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

July 14, 2020

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

RE: **Notice of Exempt Modification for AT&T - 876383**
7 Sherwood Forest Lane, Killingworth, CT 06419
Latitude: 41° 20′ 17.24″ / Longitude: -72° 33′ 23.44″

Dear Ms. Bachman:

AT&T currently maintains nine (9) antennas at the 140-foot mount on the existing 150-foot Monopole Tower, located at 7 Sherwood Forest Lane, Killingworth, CT. The property is owned by the Anderson Family Trust and the Tower is owned by Crown Castle. AT&T now intends to remove and replace six (6) existing antennas with six (6) new 700/850/1900 MHz antennas. The new antennas will be installed at the 140-ft level of the tower.

This facility was approved by the Town of Killingworth Planning and Zoning Commission on March 21, 2000 by way of a Special Exception. This approval was given with conditions which this exempt modification is in compliance with.

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 Catherine Iino, First Selectwoman for the Town of Killingworth, Cathie Jefferson, Zoning Enforcement Officer, the Anderson Family Trust as the property owners and Crown Castle is the tower owner.

1. The proposed modifications will not result in an increase in the height of the existing tower.

2. The proposed modifications will not require the extension of the site boundary.

3. The proposed modification will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communication Commission safety standard.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. The existing structure and its foundation can support the proposed loading.

For the foregoing reasons, AT&T respectfully submits that the proposed modifications to the above-reference telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). 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:

The Honorable Catherine Iino, First Selectwoman (*via email only to ciino@townofkillingworth.com*)
Town of Killingworth
323 Route 81
Killingworth, CT 06419

Cathie S. Jefferson, Zoning Enforcement Officer (*via email only to cjefferson@townofkillingworth.com*)
Town of Killingworth
323 Route 81
Killingworth, CT 06419

Anderson Family Trust
380 May Apple Lane
Martinsburg, WV 25403

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: 14JUL20
ACTWGT: 1.00 LB
CAD: 104924194/INET4220

BILL SENDER

TO **ANDERSON FAMILY TRUST**

380 MAY APPLE LANE

MARTINSBURG WV 25403

(201) 236-9224
INV:
PO:
REF 1734.7680
DEPT:

FedEx Express

J201120042401uv

56BJ3/C6A6/FE4A

WED - 15 JUL 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7709 4632 8985**

EP WDBA

25403
IAD
WV-US

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

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

From: Zsamba, Anne Marie
To: ciino@townofkillingworth.com
Subject: Notice of Exempt Modification - AT&T - 7 Sherwood Forest Lane, Killingworth
Date: Tuesday, July 14, 2020 3:08:00 PM
Attachments: EM-AT&T-7 Sherwood Forest Ln Killingworth-876383-10041784_notice.pdf

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Dear First Selectwoman Iino:

Attached please find AT&T's exempt modification application that is being submitted to the Connecticut Siting Council, today July 14, 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

From: Zsamba, Anne Marie
To: cjefferson@townofkillingworth.com
Subject: Notice of Exempt Modification - AT&T - 7 Sherwood Forest Lane, Killingworth
Date: Tuesday, July 14, 2020 3:08:00 PM
Attachments: EM-AT&T-7 Sherwood Forest Ln Killingworth-876383-10041784_notice.pdf

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Dear ZEO Jefferson:

Attached please find AT&T's exempt modification application that is being submitted to the Connecticut Siting Council, today July 14, 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.

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Anne Marie Zsamba

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CROWN CASTLE
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065
CrownCastle.com

Exhibit A

Original Facility Approval

Town of Killingworth
Inland Wetlands and Watercourses Commission
Killingworth, Connecticut 06419

Certified # Z 455 232 287

Memorandum of Decision

At its Regular Meeting of February 22, 2000, the Commission approved the application of Sherwood R. Anderson (applicant, Sprint Spectrum, L.P.) for construction of a telecommunication facility, a 150 foot monopole, and upgrading of an existing woods road on Route 81, Map 37, Parcel 3.

This permit is granted subject to the following conditions:

1. The work is to be done exactly as shown on the revised plan "Sprint PCS, Anderson Property, Clinton Road (Connecticut Route 81), Killingworth, CT CT33XC543" prepared by Goodkind & O'Dea, Inc. Consulting Engineers and Planners, dated 11/19/99, with two revisions (12/15/99 and 2/22/00), consisting of 10 sheets.

2. All construction is to be carried out in a workman-like manner.

3. During construction, appropriate and effective measures must be taken to prevent silting and water discoloration downstream.

4. If during construction, it becomes apparent that rain and surface drainage runoff will cause silting or water discoloration of the adjacent wetlands and/or watercourse, then appropriate and effective protection against these conditions must be taken.

5. No excavation may commence until all erosion and sedimentation controls, as defined on the approved plans, are in place and have been inspected and approved by the Killingworth IWWC or its agent.

6. The Commission is to be notified when this project begins and when it is completed.

7. The Commission, or its representative, shall be free to make interim inspections of the site as it deems necessary.

8. In no way is it to be construed that this permit allows the applicant to perform any other activity than that which is stated above. Any additional activity requires an additional permit or an amendment to this permit.

9. This permit shall be valid for five (5) years from the date of the legal notice publication. However, the regulated activity or use authorized by the permit must be completed within two (2) years from the time such activity is commenced, unless otherwise specified.

10. Any application to renew this permit should be submitted at least sixty-five (65) days prior to the expiration date.

This permit is granted in the belief that there will be minimal adverse impact on the environment.

For the Commission,

Wayne Addy
Chairman

IN RE APPLICATION
SPECIAL EXCEPTION
SPRINT SPECTRUM L.P.

KILLINGWORTH PLANNING
AND ZONING COMMISSION
MARCH 21, 2000

MEMORANDUM OF DECISION

An application #149 of SPRINT SPECTRUM L.P. for a Special Exception under Section 120 of the Zoning Regulations for Communication Tower was submitted to the Planning & Zoning Commission at its meeting of February 1, 2000. The property is located at Route 81 and is shown on Tax Map 37, Parcel 3. The owner as recorded in the Killingworth Land Records (Volume 87, Page 642) is Sherwood R. Anderson. The application was considered under the standards prescribed in Section 120G of the Zoning Regulations.

The Commission, at its meeting of March 21, 2000, voted to approve the application for Special Exception with the following conditions:

1. *Leased area must encompass the fall zone of the tower.*
2. *Lighting be limited to time of service repairs.*

Charles E. Martens
Charles E. Martens, Chairman

Dated at Killingworth, Connecticut this 3rd day of April, 2000.

Certified a true and correct copy of that
which is on file with the Killingworth
Planning & Zoning Commission

Date: 4/5/00 Time: 12:50 pm

Clerk of KP&ZC: Judith R. Brown

Rec'd 4/5/00 at 12:50 p M

[redacted]

IN RE APPLICATION
SPECIAL EXCEPTION
SPRINT SPECTRUM L.P.

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AND ZONING COMMISSION
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Certified a true and correct copy of that
which is on file with the Killingworth
Planning & Zoning Commission

Date: 4/5/00 Time: 12:50 PM

Clerk of KP&ZC: Judith R. Brown

Received for record April 6, 2000
at 10 h 00 m A M and recorded by
Town Clerk

08

KILLINGWORTH PLANNING & ZONING COMMISSION

TOWN OFFICE BUILDING
323 ROUTE 81
KILLINGWORTH, CONNECTICUT 06419-1298

April 5, 2000

Sprint Spectrum LP
1 International Boulevard
Mahwah, NJ 07495

RE: **Memorandum of Decision**
March 21, 2000

Gentlemen:

Please be advised that your application for Special Exception for Telecommunications Tower dated 1/18/00 was approved with conditions by the Planning & Zoning Commission at its March 21, 2000 meeting. A copy of the Memorandum of Decision is enclosed. The Notice of Decision was published in The Hartford Courant on Friday, March 31, 2000.

Sincerely,

Charles E. Martens Jr.

Charles E. Martens, Jr. (jrb)
Chairman

CEM/jrb

CERTIFIED MAIL, RRR
Z 285 870 490

Exhibit B

Property Card

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2016.

Information on the Property Records for the Municipality of Killingworth was last updated on 7/11/2020.

Property Summary Information

Parcel Data And Values | Sales | Permits

Parcel Information

Location:	7 SHERWOOD FOREST LANE	Property Use:	Residential	Primary Use:	Residential
Unique ID:	00247300	Map Block Lot:	37-03	Acres:	2.14
490 Acres:	0.00	Zone:	R-2	Volume / Page:	0218/0491
Developers Map / Lot:	SM1902/SPRINT E	Census:	6401		

Value Information

	Appraised Value	Assessed Value
Land	247,499	173,250
Buildings	0	0

	Appraised Value	Assessed Value
Detached Outbuildings	0	0
Total	247,499	173,250

Owner's Information

Owner's Data
ANDERSON SHERWOOD & DIAN TRUSTEES GLOBAL SIGNAL ACQ II LLC PMB 331, 4017 WASHINGTON RD MCMURRAY PA 15317

Back To Search (JavaScript:window.history.back(1);)

Print View (PrintPage.aspx?towncode=070&uniqueid=00247300)

Information Published With Permission From The Assessor

Summary
7 SHERWOOD FOREST LANE
ANDERSON SHERWOOD &
Parcel_ID: 37-03 View Details
3F
6.54 AC
3
2.14 AC
7
9
11
17
18
21
22
85
81
77
ROUTE 81
SHERWOOD FOREST LANE

Exhibit C

Construction Drawings

AT&T

AT&T SITE NUMBER:	**CTL02057**	**BUSINESS UNIT #:**	**876383**
AT&T SITE NAME:	**KILLINGWORTH-CLINTON ROAD**	**SITE ADDRESS:**	**78 CLINTON ROAD KILLINGWORTH, CT 06419**
AT&T FA CODE:	**10041784**		
AT&T PACE NUMBER:	**MRCT047330, MRCTB047181, MRCTB047337**	**COUNTY:**	**MIDDLESEX**
		TOWER HEIGHT:	**150'-0"**
SITE TYPE:	**MONOPOLE**		

PROJECT: AT&T LTE 3C, 4TX4RX, 5G NR

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	CLINTON/ANDERSON'S PROPERTY
SITE ADDRESS:	78 CLINTON ROAD KILLINGWORTH, CT 06419
COUNTY:	MIDDLESEX
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.3381111
LONGITUDE:	-72.5565131
LAT/LONG TYPE:	NAD83
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	AT&T MOBILITY ONE AT&T WAY BEDMINSTER, NJ 07921
CROWN CASTLE USA INC. APPLICATION ID:	517076

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 SOUTH BOULDER, SUITE 300 TULSA, OK 74119 MIKE OAKES (918) 217-6574
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3200 HORIZON DRIVE, SUITE 150 KING OF PRUSSIA, PA 19406

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	EQUIPMENT PLAN
C-3	TOWER ELEVATIONS
C-4	ANTENNA ORIENTATION
C-5	ANTENNA SCHEDULE
C-6	ANTENNA AND RRH SPECS.
C-7	ANTENNA AND RRH DETAIL
C-8	PLUMBING DIAGRAM
C-9	COLOR CODE STANDARD
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11x17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

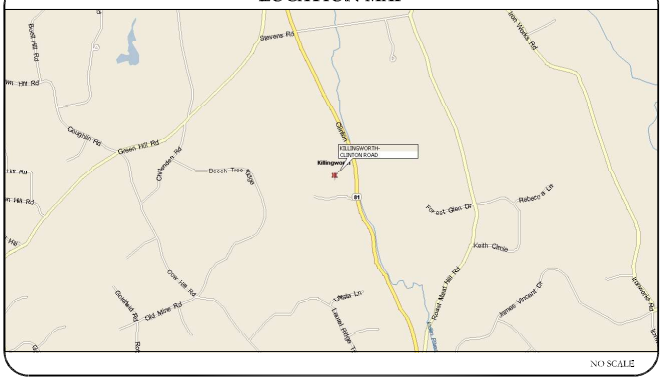
PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO PROPOSE AN ANTENNA MODIFICATION ON AN EXISTING WIRELESS SITE.

TOWER SCOPE OF WORK
- REMOVE (6) POWERWAVE 7770 ANTENNAS
- REMOVE (3) ERICSSON RRUS11 B12 RRHS
- REMOVE (6) POWERWAVE LGP 21901 DIPLEXERS
- REMOVE (6) LGP 21401 TMAS
- RELOCATE (1) CCI HPA-65R-BUU-H6 ANTENNA
- RELOCATE (2) CCI HPA-65R-BUU-H8 ANTENNAS
- INSTALL (1) CCI DMP65R-BU8DA ANTENNA
- INSTALL (1) CCI OPA65R-BU8DA ANTENNA
- INSTALL (2) CCI DMP65R-BU8DA ANTENNAS
- INSTALL (2) CCI OPA65R-BU8DA ANTENNAS
- INSTALL (3) ERICSSON 4449 B5/B12 RRH
- INSTALL (3) ERICSSON 4478 B14 RRH
- INSTALL (1) RAYCAP DC6-48-60-18-8C-EV SURGE SUPPRESSOR
- INSTALL (3) RRUDSM RRH DUAL MOUNTS
- INSTALL (2) DC TRUNKS
- INSTALL (1) ROSENBERGER LEONTI0-1988-034-5X5X FIBER TRUNK

GROUND SCOPE OF WORK
- REMOVE (6) POWERWAVE LGP 21901 DIPLEXERS
- INSTALL (1) BB 6630 – ID1e

LOCATION MAP



NO SCALE

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2018 CT STATE BUILDING CODE
MECHANICAL	2018 CT STATE BUILDING CODE
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: CROWN CASTLE APRIL 28, 2020

MOUNT ANALYSIS: TOWER ENGINEERING PROFESSIONALS APRIL 20, 2020

DESIGN PACKAGE BASED ON THE RFDS
REVISION: 2.00
DATE: 6/22/20

DESIGN PACKAGE BASED ON THE APPLICATION
ID: 517076
REVISION: 0

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

CALL CONNECTICUT ONE CALL
(800) 922-4455
CALL 3 WORKING DAYS
BEFORE YOU DIG!

AT&T
ONE AT&T WAY
BEDMINSTER, NJ 07921

CROWN CASTLE
3200 HORIZON DRIVE, SUITE 150
KING OF PRUSSIA, PA 19406

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

AT&T SITE NUMBER:
CTL02057

BU #: **876383**
CLINTON/ANDERSON'S PROPERTY

78 CLINTON ROAD
KILLINGWORTH, CT 06419

EXISTING 150'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	6/22/20	STM	CONSTRUCTION	RZN.
1	6/25/20	GZH	CONSTRUCTION	RZN.
2	7/6/20	BEL	CONSTRUCTION	RZN.

STATE OF CONNECTICUT
31627
LICENSED
PROFESSIONAL ENGINEER
7/6/20

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

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

SHEET NUMBER: T-1
REVISION: 2

142862_876383_Clinton Anderson's Property.dwg – Sheet:T-1 – User: rcarson – Jul 06, 2020 – 7:49am

SITE WORK GENERAL NOTES:

1. THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
2. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION.
3. ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE" AND LATEST VERSION OF TIA 1019 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
4. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS.
5. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
6. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
7. THE SUBCONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE.
8. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
9. 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.
10. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
11. 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 PROJECT SPECIFICATIONS.
12. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
13. NOTICE TO PROCEED– NO WORK TO COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF A PURCHASE ORDER.
14. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN STANDARD CED-STD-10253 INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH THE ANSI/TIA-322 (LATEST EDITION).

STRUCTURAL STEEL NOTES:

1. ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH ASTM A36 UNLESS OTHERWISE NOTED.
2. BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE (3/4"ø) CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
3. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8"ø ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
4. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL WHEN DRILLING HOLES IN CONCRETE. SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES, SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURER'S MAXIMUM ALLOWABLE LOADS.

CONCRETE AND REINFORCING STEEL NOTES:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE. SLAB FOUNDATION DESIGN ASSUMING ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF.
3. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

   CONCRETE CAST AGAINST EARTH..................3 IN.
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 AND LARGER..................................2 IN.
   #5 AND SMALLER & WWF...................1 1/2 IN.
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:
   SLAB AND WALLS................................3/4 IN.
   BEAMS AND COLUMNS........................1 1/2 IN.

5. A CHAMFER 3/4" SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

MASONRY NOTES:

1. HOLLOW CONCRETE MASONRY UNITS SHALL MEET A.S.T.M. SPECIFICATION C90, GRADE N. TYPE 1. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (F'm) SHALL BE 1500 PSI.
2. MORTAR SHALL MEET THE PROPERTY SPECIFICATION OF A.S.T.M. C270 TYP. "S" MORTAR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
3. GROUT SHALL MEET A.S.T.M. SPECIFICATION C475 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.
4. CONCRETE MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND.
5. WALL SHALL RECEIVE TEMPORARY BRACING. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL GROUT IS FULLY CURED.

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR– ___________
   SUBCONTRACTOR– GENERAL CONTRACTOR (CONSTRUCTION)
   CARRIER– AT&T
   TOWER OWNER– CROWN CASTLE USA INC.
   OEM– ORIGINAL EQUIPMENT MANUFACTURER
2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR AND CROWN CASTLE USA INC.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
4. DRAWINGS PROVIDED HERE ARE NOT TO SCALE AND ARE INTENDED TO SHOW OUTLINE ONLY.
5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CONTRACTOR AND CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWINGS.
10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
11. SUBCONTRACTOR 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.
12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

ABBREVIATIONS AND SYMBOLS:

ABBREVIATIONS:

AGL	ABOVE GRADE LEVEL
BTS	BASE TRANSCEIVER STATION
EXISTING	EXISTING
MIN.	MINIMUM
REF	REFERENCE
RF	RADIO FREQUENCY
T.B.D.	TO BE DETERMINED
T.B.R.	TO BE RESOLVED
TYP	TYPICAL
REQ	REQUIRED
EGR	EQUIPMENT GROUND RING
AWG	AMERICAN WIRE GAUGE
MGB	MASTER GROUND BAR
EG	EQUIPMENT GROUND
BCW	BARE COPPER WIRE
SIAD	SMART INTEGRATED ACCESS DEVICE
GEN	GENERATOR
IGR	INTERIOR GROUND RING (HALO)
RBS	RADIO BASE STATION

SYMBOLS:

- S/G — SOLID GROUND BUS BAR
- S/N — SOLID NEUTRAL BUS BAR
- SUPPLEMENTAL GROUND CONDUCTOR
- 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- CHEMICAL GROUND ROD
- TEST WELL
- DISCONNECT SWITCH
- M — METER
- EXOTHERMIC WELD (CADWELD) (UNLESS OTHERWISE NOTED)
- MECHANICAL CONNECTION
- GROUNDING WIRE

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC. HILTI EPOXY ANCHORS ARE REQUIRED BY CROWN CASTLE USA INC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
5. CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
6. EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOTS), GROUNDING AND T1 CONDUCTOR AND 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.
7. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH PLASTIC TAPE PER COLOR SCHEDULE. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (I.E. PANEL BOARD AND CIRCUIT ID'S).
8. PANEL BOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
9. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
10. POWER, CONTROL AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90° C (WET & DRY) OPERATION LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED UNLESS OTHERWISE SPECIFIED.
11. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION CLASS B STRANDED COPPER CABLE RATED FOR 90° C (WET AND DRY) OPERATION LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90° C (WET AND DRY) OPERATION WITH OUTER JACKET LISTED OR LABELED FOR THE LOCATION USED UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E. RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT) OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
21. WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER).
22. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON-PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES 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 BUSHIN ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
23. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL; SHALL MEET OR EXCEED UL 50 AND RATED NEMA 1 (OR BETTER) INDOORS OR NEMA 3R (OR BETTER) OUTDOORS.
24. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
25. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
26. THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
27. THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
28. INSTALL PLASTIC LABEL ON THE METER CENTER TO SHOW "AT&T".
29. ALL CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

GREENFIELD GROUNDING NOTES:

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

NEC INSULATOR COLOR CODE		
DESCRIPTION	PHASE/CODE LETTER	WIRE COLOR
240/120 1Ø	LEG 1	BLACK
	LEG 2	RED
AC NEUTRAL	N	WHITE
GROUND (EGC)	G	GREEN
VDC POS	+	*RED-POLARITY MARK AT TERMINATION
VDC NEG	–	*BLACK-POLARITY MARK AT TERMINATION
240V OR 208V, 3Ø	PHASE A	BLACK
	PHASE B	RED(ORG. IF HI LEG)
	PHASE C	BLUE
480V, 3Ø	PHASE A	BROWN
	PHASE B	ORANGE OR PURPLE
	PHASE C	YELLOW

* SEE NEC 210.5(C)(1) AND (2)

ONE AT&T WAY
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CROWN CASTLE
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1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

AT&T SITE NUMBER:
CTL02057

BU #: **876383**
CLINTON/ANDERSON'S PROPERTY

78 CLINTON ROAD
KILLINGWORTH, CT 06419

EXISTING 150'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	6/2/20	STH	CONSTRUCTION	RMC
1	6/25/20	GEH	CONSTRUCTION	RMC
2	7/6/20	BEL	CONSTRUCTION	RMC

STATE OF CONNECTICUT
31627
LICENSED PROFESSIONAL ENGINEER
7/6/20

B&T ENGINEERING, INC.
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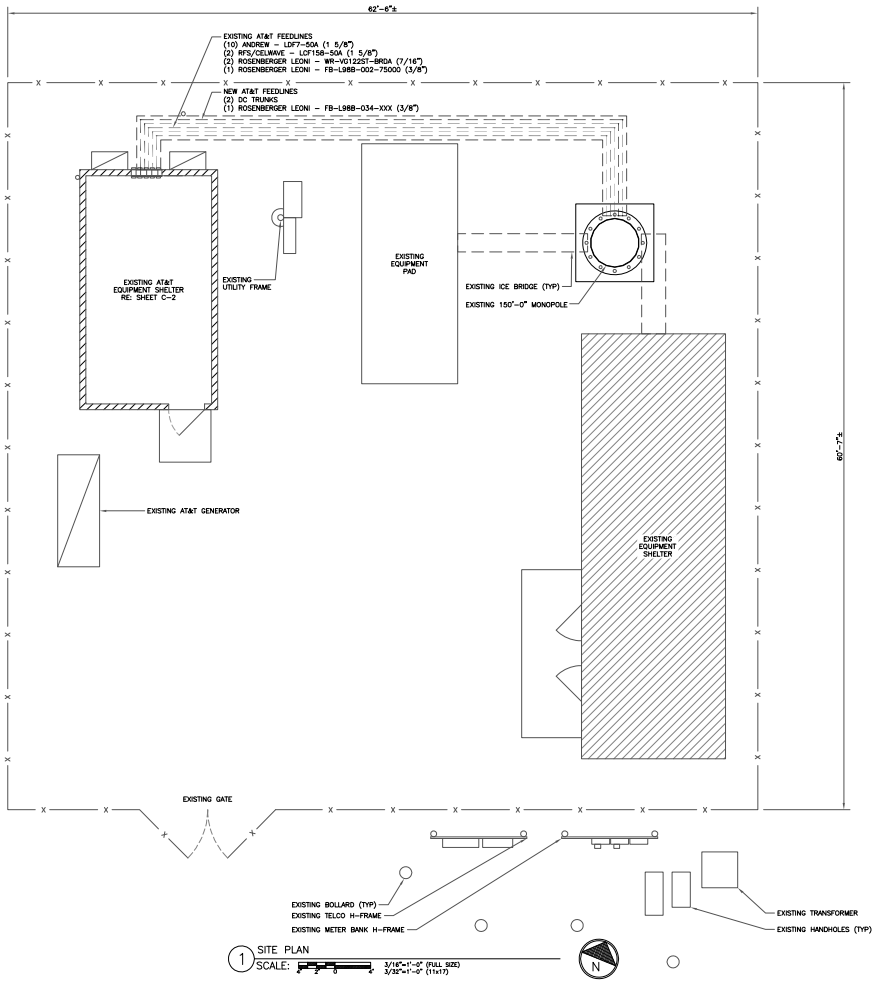
SHEET NUMBER: T-2
REVISION: 2



1 SITE PLAN
SCALE: 3/16"=1'-0" (FULL SIZE) 3/32"=1'-0" (11x17)

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1	6/25/20	GEM	CONSTRUCTION	RJN.
2	7/6/20	BEL	CONSTRUCTION	RJN.

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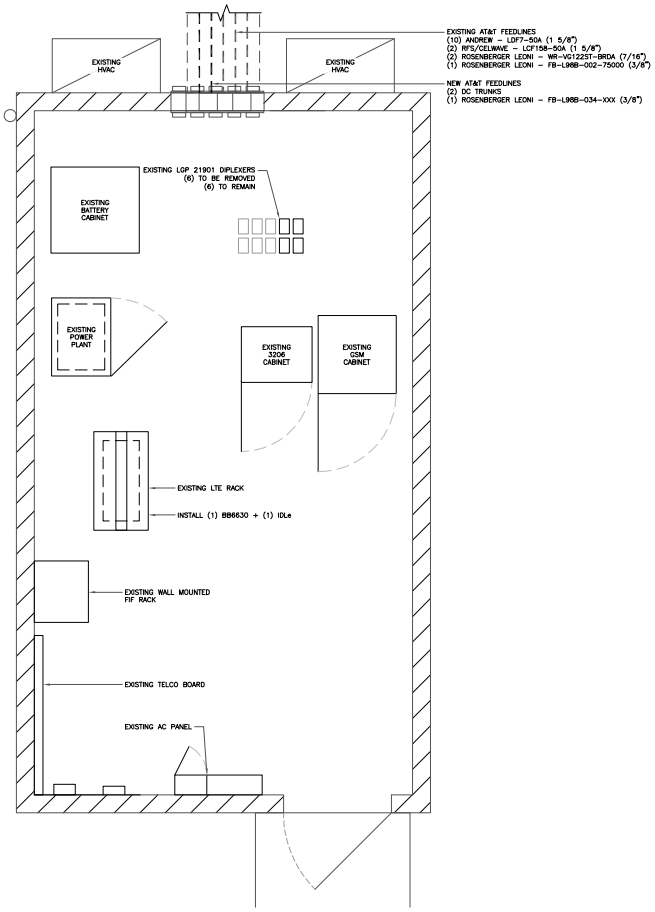
SHEET NUMBER: C-1
REVISION: 2

142862_876383_Clinton Anderson's Property.dwg – SheetC-1 – User: rcarson – Jul 06, 2020 – 7:49am



1 EXISTING EQUIPMENT PLAN
SCALE: 3/4"=1'-0" (FULL SIZE) 3/8"=1'-0" (11x17)

N

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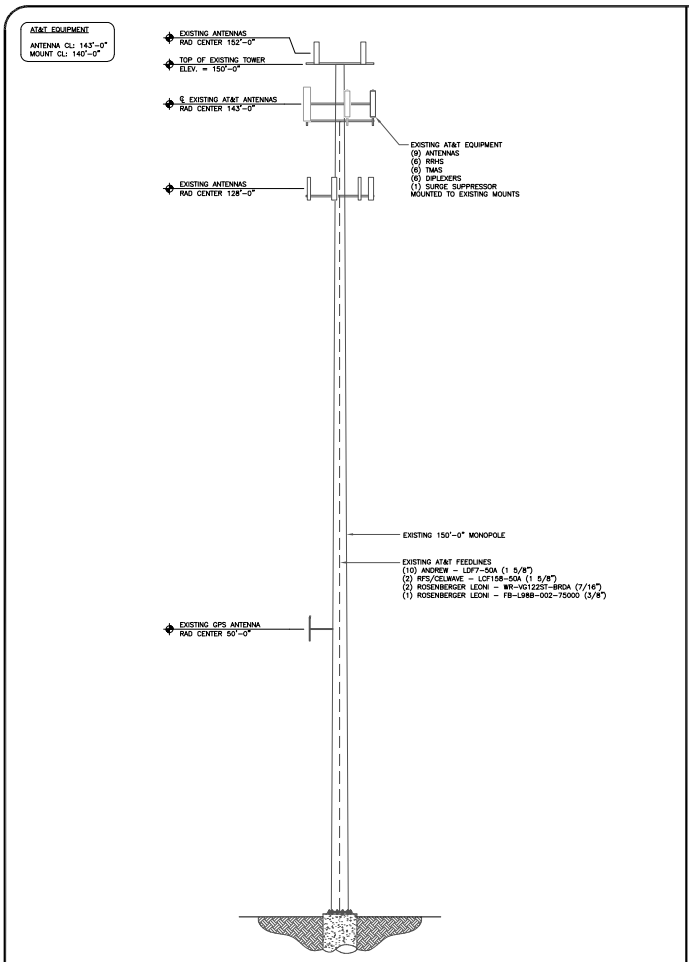
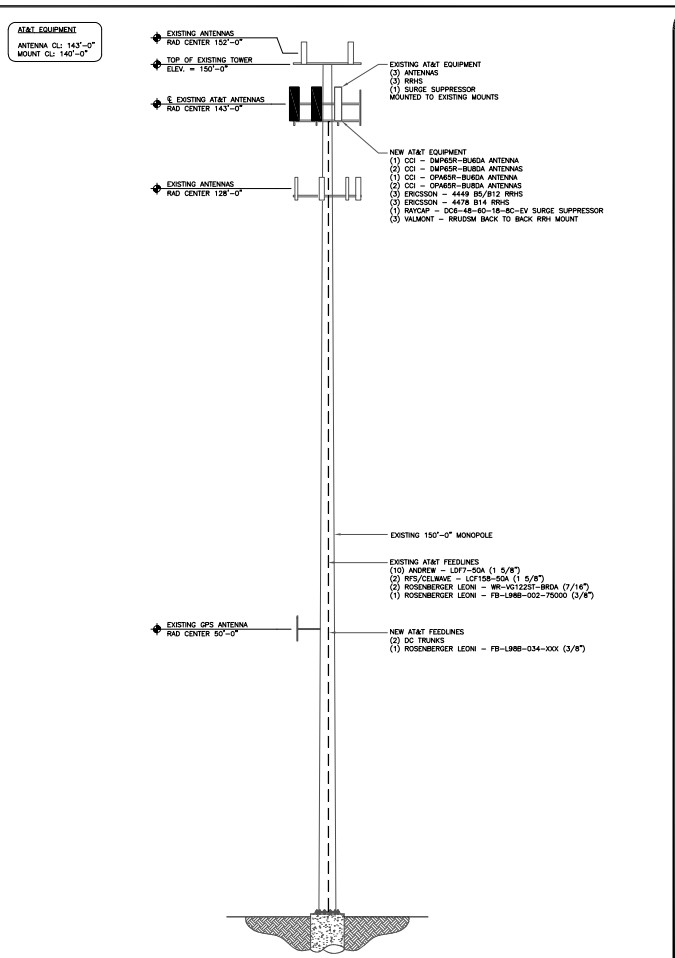
SHEET NUMBER: C-2
REVISION: 2

142862_876383_Clinton Anderson's Property.dwg – SheetC-2 – User: rcarson – Jul 06, 2020 – 7:49am



1 EXISTING ELEVATION
SCALE: NOT TO SCALE



2 FINAL ELEVATION
SCALE: NOT TO SCALE

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SHEET NUMBER: C-3
REVISION: 2

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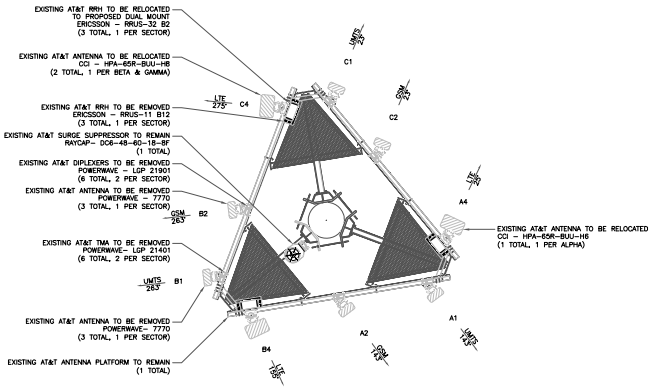
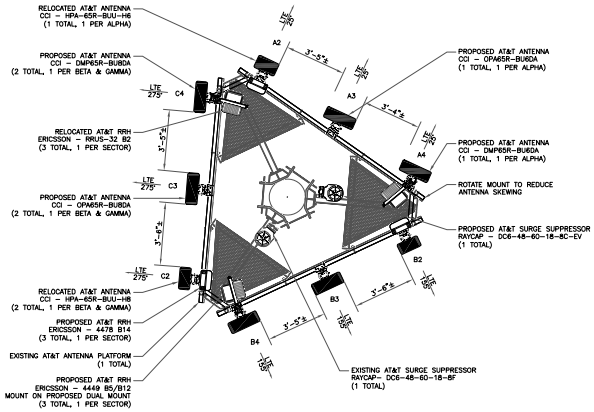


1 EXISTING ANTENNA LAYOUT
SCALE: 3/8"=1'-0" (FULL SIZE) 3/16"=1'-0" (11x17)



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

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SHEET NUMBER: C-4
REVISION: 2

142862_876383_Clinton Anderson's Property.dwg – SheetC-4 – User: rcarson – Jul 06, 2020 – 7:49am

FINAL ANTENNA AND COAXIAL CABLE SCHEDULE

POS.	TECH	STATUS	AZIMUTH	ANTENNA TYPE	ANTENNA RAD CENTER	MECHANICAL DOWNTILT	ELECTRICAL DOWNTILT	MAIN COAX SIZE	MAIN COAX LENGTH	COAX QTY	TMA QTY AND MODEL	RAYCAP	DC (WR-VG86ST-BRD) FIBER CABLES (FB-L98B-034-XXXXXX)	RRHS	DIPLEXER	REV CABLE
ALPHA SECTOR																
A1	–	–	–	–	–	–	–	–	–	–	–	DC6-48-60-18-8F	(1) FIBER (2) DC LINES	–	–	–
A2	UMTS	EXISTING	25°	CCI HPA-65R-BUU-H6	143'-0"	0°	–	–	–	–	–			–	(2) LGP 21901 (SHELTER)	Y
A3	LTE	NEW	25°	CCI OPA65R-BU6DA	143'-0"	0°	6°	–	–	–	–			(1) 4478 B14	–	Y
A4	LTE	NEW	25°	CCI DMP65R-BU6DA	143'-0"	0°	6°/6°/4°/4°/6°	–	–	–	–			(1) 4449 B5/B12 (1) RRUS-32 B2	–	Y
BETA SECTOR																
B1	–	–	–	–	–	–	–	–	–	–	–	DC6-48-60-18-8C-EV	(1) FIBER (2) DC LINES	–	–	–
B2	UMTS	EXISTING	155°	CCI HPA-65R-BUU-H8	143'-0"	0°	–	–	–	–	–			–	(2) LGP 21901 (SHELTER)	Y
B3	LTE	NEW	155°	CCI OPA65R-BU8DA	143'-0"	0°	5°	–	–	–	–			(1) 4478 B14	–	Y
B4	LTE	NEW	155°	CCI DMP65R-BU8DA	143'-0"	0°	5°/5°/2°/2°/5°	–	–	–	–			(1) 4449 B5/B12 (1) RRUS-32 B2	–	Y
GAMMA SECTOR																
C1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
C2	UMTS	EXISTING	275°	CCI HPA-65R-BUU-H8	143'-0"	0°	–	–	–	–	–			–	(2) LGP 21901 (SHELTER)	Y
C3	LTE	NEW	275°	CCI OPA65R-BU8DA	143'-0"	0°	2°	–	–	–	–			(1) 4478 B14	–	Y
C4	LTE	NEW	275°	CCI DMP65R-BU8DA	143'-0"	0°	2°/2°/6°/6°/2°	–	–	–	–			(1) 4449 B5/B12 (1) RRUS-32 B2	–	Y

NOTE: BOLD DENOTES NEW EQUIPMENT

1 FINAL ANTENNA AND COAXIAL CABLE SCHEDULE
SCALE: NOT TO SCALE

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BEDMINSTER, NJ 07921

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KING OF PRUSSIA, PA 19406

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SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
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AT&T SITE NUMBER:
CTL02057

BU #: **876383**
CLINTON/ANDERSON'S PROPERTY

78 CLINTON ROAD
KILLINGWORTH, CT 06419

EXISTING 150'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QES/QA
0	6/2/20	STM	CONSTRUCTION	RZN.
1	6/25/20	GEH	CONSTRUCTION	RZN.
2	7/6/20	BEL	CONSTRUCTION	RZN.

STATE OF CONNECTICUT
31627
LICENSED
PROFESSIONAL ENGINEER
7/6/20

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

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SHEET NUMBER: C-5
REVISION: 2

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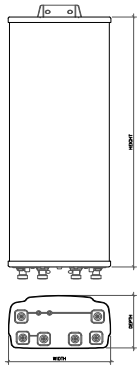
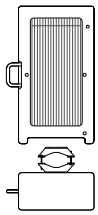


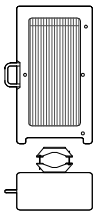
ANTENNA DIMENSIONS (INCHES)				
MODEL	HEIGHT	WIDTH	DEPTH	WEIGHT
DMP65R-BU8DA	96"	20.7"	7.7"	95.7 lbs
OPA65R-BU8DA	96"	21"	7.8"	76.5 lbs
DMP65R-BU6DA	71.2"	20.7"	7.7"	79.4 lbs
OPA65R-BU8DA	71.2"	21"	7.8"	60.2 lbs

1 ANTENNA DETAIL
SCALE: NOT TO SCALE



ERICSSON – 4449 B5/B12
WEIGHT (FULLY EQUIPPED): 71.0 LBS
SIZE (HxWxD): 17.9x13.19x9.44 IN.

2 RRH DETAIL
SCALE: NOT TO SCALE



ERICSSON – 4478 B14
WEIGHT (FULLY EQUIPPED): 59.4 LBS
SIZE (HxWxD): 18.1x13.4x8.26 IN.

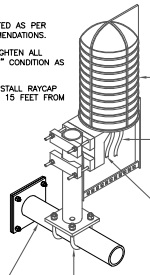
3 RRH DETAIL
SCALE: NOT TO SCALE

NOTES:

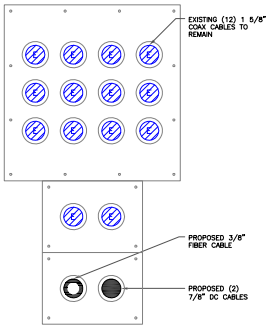
1. UNIT SHALL BE MOUNTED AS PER MANUFACTURER'S RECOMMENDATIONS.

2. CONTRACTOR SHALL TIGHTEN ALL BOLTS TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC.

3. CONTRACTOR SHALL INSTALL RAYCAP DISTRIBUTION UNIT WITHIN 15 FEET FROM ALL RRHS.



4 SURGE SUPPRESSOR DETAIL
SCALE: NOT TO SCALE



5 PROPOSED HATCH PLATE LAYOUT
SCALE: NOT TO SCALE

EQUIPMENT LEGEND	
EMPTY PORT	EXISTING FIBER CABLE
EXISTING COAX TO REMAIN	PROPOSED FIBER CABLE
EXISTING COAX TO BE REMOVED	PROPOSED COAX
EW EXISTING EWG	PROPOSED EWG

NOTES:

1. ALL VIEWS ARE LOOKING FROM THE TOWER TOWARDS THE SHELTER. ANALOG COAX (IF APPLICABLE) TO BE REMOVED IS LABELED WITH GREEN TAPE.
2. COAX LOCATIONS ARE SHOWN FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE BASED ON FIELD CONDITIONS.

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BU #: **876383**
CLINTON/ANDERSON'S PROPERTY

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KILLINGWORTH, CT 06419

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

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1	6/25/20	CZG	CONSTRUCTION	RJW
2	7/6/20	BEL	CONSTRUCTION	RJW

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SHEET NUMBER: C-6
REVISION: 2

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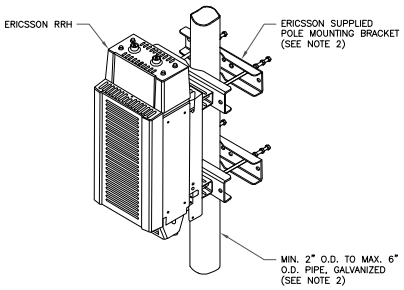
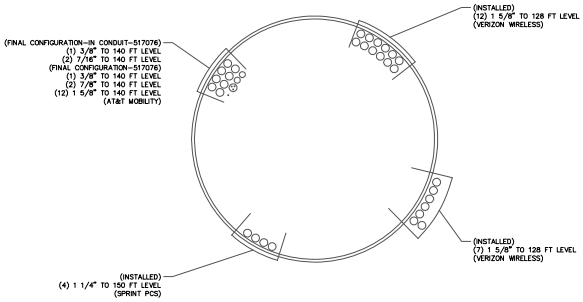
NOTES:

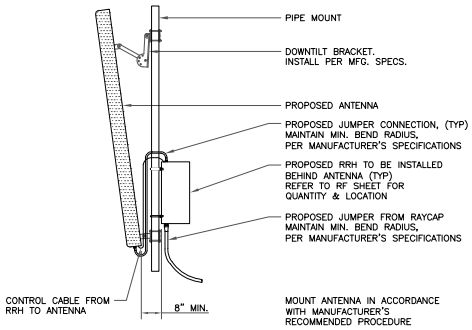
1. ERICSSON VIA AT&T SUPPLIES RRH, RRH POLE-MOUNTING BRACKET. SUBCONTRACTOR SHALL SUPPLY POLE/PIPE AND INSTALL ALL MOUNTING HARDWARE INCLUDING ERICSSON RRH POLE-MOUNTING BRACKET. ERICSSON INSTALLS RRH AND MAKES CABLE TERMINATIONS.
2. FOR POLE DIAMETERS FROM 6" TO 15", ERICSSON CAN SUPPLY A PAIR OF POLE MOUNTING METAL BANDS WITH BOLTING WELDMENT.
3. NO PAINTING OF THE RRH OR SOLAR SHIELD IS ALLOWED



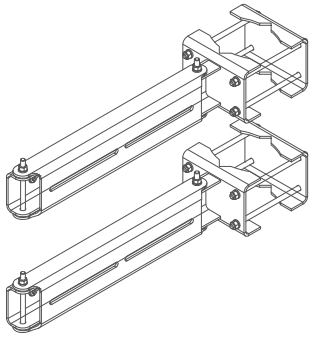
1 RRH MOUNTING DETAIL
SCALE: NOT TO SCALE



2 BASE LEVEL DRAWING
SCALE: NOT TO SCALE



3 ANTENNA MOUNTING DETAIL
SCALE: NOT TO SCALE



4 VALMONT – RRUDSM
SCALE: NOT TO SCALE

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SHEET NUMBER: C-7
REVISION: 2

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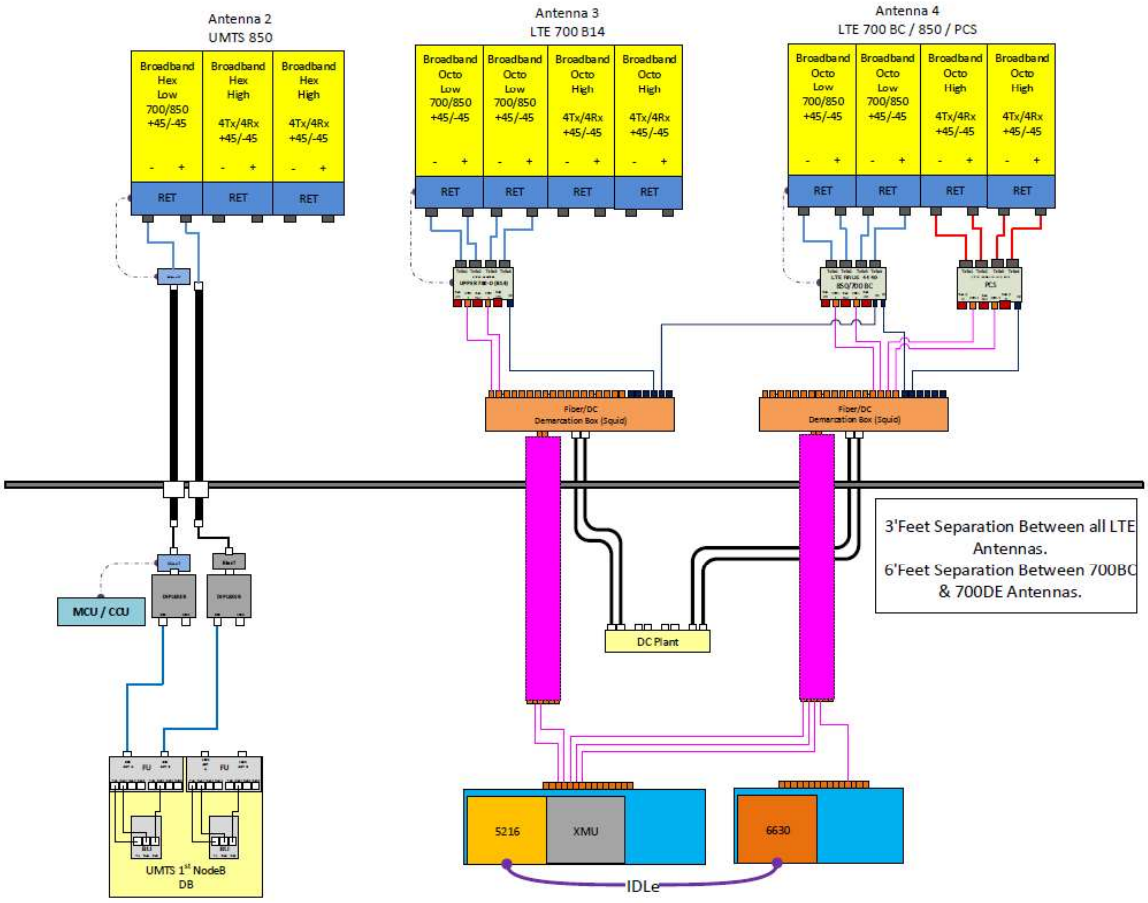

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

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SHEET NUMBER: C-8
REVISION: 2

142862_876383_Clinton Anderson's Property.dwg – SheetC-8 – User: rcarson – Jul 06, 2020 – 7:49am

SECTOR	TECHNOLOGY	FREQUENCY BAND	COLOR CODE – SECTOR DESIGNATION FOR SECTOR SPLIT	COLOR CODE – SECTOR (AMOUNT OF BANDS BASED ON POSITION)	COLOR CODE – FREQUENCY			45 + COAX	45 – COAX
A	LTE	700 (B/C)	BLANK	GREEN	VIOLET		BLANK	YELLOW	BLANK
A	LTE	850	BLANK	GREEN	YELLOW		BLANK	YELLOW	BLANK
A	LTE	850 – 2ND BLOCK	BLANK	GREEN	YELLOW	YELLOW	BLANK	YELLOW	BLANK
A	LTE	1900 (PCS)	BLANK	GREEN	RED		BLANK	YELLOW	BLANK
A	LTE	1900 (PCS) – 2ND BLOCK	BLANK	GREEN	RED	RED	BLANK	YELLOW	BLANK
A	LTE	2100 (AWS)	BLANK	GREEN	ORANGE		BLANK	YELLOW	BLANK
A	LTE	2100 (AWS) – 2ND BLOCK	BLANK	GREEN	ORANGE	ORANGE	BLANK	YELLOW	BLANK
A	LTE	2300 (WCS)	BLANK	GREEN	SLATE		BLANK	YELLOW	BLANK
A	LTE	2300 (WCS) – 2ND BLOCK	BLANK	GREEN	BROWN		BLANK	YELLOW	BLANK
A	LTE	2300 (WCS) – SXM REPEATER	BLANK	GREEN	BROWN	BROWN	BLANK	YELLOW	BLANK
A	LTE	700 (D/E)	BLANK	GREEN	BROWN	BROWN	BROWN	YELLOW	BLANK
A	LTE	700 FIRSTNET	BLANK	GREEN	VIOLET	BLUE	BLANK	YELLOW	BLANK
A	LTE	700 (B/C) / 700 FIRSTNET (DUAL RRH)	BLANK	GREEN	VIOLET	VIOLET	BLUE	YELLOW	BLANK
A	LTE	1900 (PCS) / 2100 (AWS) (DUAL RRH)	BLANK	GREEN	RED	ORANGE	BLANK	YELLOW	BLANK
A	LTE	8500 / 700 D/E (DUAL RRH)	BLANK	GREEN	YELLOW	SLATE	BLANK	YELLOW	BLANK
A – SPLIT	LTE	700 (B/C)	GREEN	ORANGE	VIOLET		BLANK	YELLOW	BLANK
A – SPLIT	LTE	850	GREEN	ORANGE	YELLOW		BLANK	YELLOW	BLANK
A – SPLIT	LTE	850 – 2ND BLOCK	GREEN	ORANGE	YELLOW	YELLOW	BLANK	YELLOW	BLANK
A – SPLIT	LTE	1900 (PCS)	GREEN	ORANGE	RED		BLANK	YELLOW	BLANK
A – SPLIT	LTE	1900 (PCS) – 2ND BLOCK	GREEN	ORANGE	RED	RED	BLANK	YELLOW	BLANK
A – SPLIT	LTE	2100 (AWS)	GREEN	ORANGE	ORANGE		BLANK	YELLOW	BLANK
A – SPLIT	LTE	2100 (AWS) – 2ND BLOCK	GREEN	ORANGE	ORANGE	ORANGE	BLANK	YELLOW	BLANK
A – SPLIT	LTE	2300 (WCS)	GREEN	ORANGE	SLATE		BLANK	YELLOW	BLANK
A – SPLIT	LTE	2300 (WCS) – 2ND BLOCK	GREEN	ORANGE	BROWN		BLANK	YELLOW	BLANK
A – SPLIT	LTE	2300 (WCS) – SXM REPEATER	GREEN	ORANGE	BROWN	BROWN	BLANK	YELLOW	BLANK
A – SPLIT	LTE	700 (D/E)	GREEN	ORANGE	BROWN	BROWN	BROWN	YELLOW	BLANK
A – SPLIT	LTE	700 FIRSTNET	GREEN	ORANGE	VIOLET	BLUE	BLANK	YELLOW	BLANK
A – SPLIT	LTE	700 (B/C) / 700 FIRSTNET (DUAL RRH)	GREEN	ORANGE	VIOLET	VIOLET	BLUE	YELLOW	BLANK
A – SPLIT	LTE	1900 (PCS) / 2100 (AWS) (DUAL RRH)	GREEN	ORANGE	RED	ORANGE	BLANK	YELLOW	BLANK
A – SPLIT	LTE	8500 / 700 D/E (DUAL RRH)	GREEN	ORANGE	YELLOW	SLATE	BLANK	YELLOW	BLANK
B	LTE	700 (B/C)	BLANK	BLUE	VIOLET		BLANK	YELLOW	BLANK
B	LTE	850	BLANK	BLUE	YELLOW		BLANK	YELLOW	BLANK
B	LTE	850 – 2ND BLOCK	BLANK	BLUE	YELLOW	YELLOW	BLANK	YELLOW	BLANK
B	LTE	1900 (PCS)	BLANK	BLUE	RED		BLANK	YELLOW	BLANK
B	LTE	1900 (PCS) – 2ND BLOCK	BLANK	BLUE	RED	RED	BLANK	YELLOW	BLANK
B	LTE	2100 (AWS)	BLANK	BLUE	ORANGE		BLANK	YELLOW	BLANK
B	LTE	2100 (AWS) – 2ND BLOCK	BLANK	BLUE	ORANGE	ORANGE	BLANK	YELLOW	BLANK
B	LTE	2300 (WCS)	BLANK	BLUE	SLATE		BLANK	YELLOW	BLANK
B	LTE	2300 (WCS) – 2ND BLOCK	BLANK	BLUE	BROWN		BLANK	YELLOW	BLANK
B	LTE	2300 (WCS) – SXM REPEATER	BLANK	BLUE	BROWN	BROWN	BLANK	YELLOW	BLANK
B	LTE	700 (D/E)	BLANK	BLUE	BROWN	BROWN	BROWN	YELLOW	BLANK
B	LTE	700 FIRSTNET	BLANK	BLUE	VIOLET	BLUE	BLANK	YELLOW	BLANK
B	LTE	700 (B/C) / 700 FIRSTNET (DUAL RRH)	BLANK	BLUE	VIOLET	VIOLET	BLUE	YELLOW	BLANK
B	LTE	1900 (PCS) / 2100 (AWS) (DUAL RRH)	BLANK	BLUE	RED	ORANGE	BLANK	YELLOW	BLANK
B	LTE	8500 / 700 D/E (DUAL RRH)	BLANK	BLUE	YELLOW	SLATE	BLANK	YELLOW	BLANK
B – SPLIT	LTE	700 (B/C)	BLUE	BROWN	VIOLET		BLANK	YELLOW	BLANK
B – SPLIT	LTE	850	BLUE	BROWN	YELLOW		BLANK	YELLOW	BLANK
B – SPLIT	LTE	850 – 2ND BLOCK	BLUE	BROWN	YELLOW	YELLOW	BLANK	YELLOW	BLANK
B – SPLIT	LTE	1900 (PCS)	BLUE	BROWN	RED		BLANK	YELLOW	BLANK
B – SPLIT	LTE	1900 (PCS) – 2ND BLOCK	BLUE	BROWN	RED	RED	BLANK	YELLOW	BLANK
B – SPLIT	LTE	2100 (AWS)	BLUE	BROWN	ORANGE		BLANK	YELLOW	BLANK
B – SPLIT	LTE	2100 (AWS) – 2ND BLOCK	BLUE	BROWN	ORANGE	ORANGE	BLANK	YELLOW	BLANK
B – SPLIT	LTE	2300 (WCS)	BLUE	BROWN	SLATE		BLANK	YELLOW	BLANK
B – SPLIT	LTE	2300 (WCS) – 2ND BLOCK	BLUE	BROWN	BROWN		BLANK	YELLOW	BLANK
B – SPLIT	LTE	2300 (WCS) – SXM REPEATER	BLUE	BROWN	BROWN	BROWN	BLANK	YELLOW	BLANK
B – SPLIT	LTE	700 (D/E)	BLUE	BROWN	BROWN	BROWN	BROWN	YELLOW	BLANK
B – SPLIT	LTE	700 FIRSTNET	BLUE	BROWN	VIOLET	BLUE	BLANK	YELLOW	BLANK
B – SPLIT	LTE	700 (B/C) / 700 FIRSTNET (DUAL RRH)	BLUE	BROWN	VIOLET	VIOLET	BLUE	YELLOW	BLANK
B – SPLIT	LTE	1900 (PCS) / 2100 (AWS) (DUAL RRH)	BLUE	BROWN	RED	ORANGE	BLANK	YELLOW	BLANK
B – SPLIT	LTE	8500 / 700 D/E (DUAL RRH)	BLUE	BROWN	YELLOW	SLATE	BLANK	YELLOW	BLANK
C	LTE	700 (B/C)	BLANK	WHITE	VIOLET		BLANK	YELLOW	BLANK
C	LTE	850	BLANK	WHITE	YELLOW		BLANK	YELLOW	BLANK
C	LTE	850 – 2ND BLOCK	BLANK	WHITE	YELLOW	YELLOW	BLANK	YELLOW	BLANK
C	LTE	1900 (PCS)	BLANK	WHITE	RED		BLANK	YELLOW	BLANK
C	LTE	1900 (PCS) – 2ND BLOCK	BLANK	WHITE	RED	RED	BLANK	YELLOW	BLANK
C	LTE	2100 (AWS)	BLANK	WHITE	ORANGE		BLANK	YELLOW	BLANK
C	LTE	2100 (AWS) – 2ND BLOCK	BLANK	WHITE	ORANGE	ORANGE	BLANK	YELLOW	BLANK
C	LTE	2300 (WCS)	BLANK	WHITE	SLATE		BLANK	YELLOW	BLANK
C	LTE	2300 (WCS) – 2ND BLOCK	BLANK	WHITE	BROWN		BLANK	YELLOW	BLANK
C	LTE	2300 (WCS) – SXM REPEATER	BLANK	WHITE	BROWN	BROWN	BLANK	YELLOW	BLANK
C	LTE	700 (D/E)	BLANK	WHITE	BROWN	BROWN	BROWN	YELLOW	BLANK
C	LTE	700 FIRSTNET	BLANK	WHITE	VIOLET	BLUE	BLANK	YELLOW	BLANK
C	LTE	700 (B/C) / 700 FIRSTNET (DUAL RRH)	BLANK	WHITE	VIOLET	VIOLET	BLUE	YELLOW	BLANK
C	LTE	1900 (PCS) / 2100 (AWS) (DUAL RRH)	BLANK	WHITE	RED	ORANGE	BLANK	YELLOW	BLANK
C	LTE	8500 / 700 D/E (DUAL RRH)	BLANK	WHITE	YELLOW	SLATE	BLANK	YELLOW	BLANK
C – SPLIT	LTE	700 (B/C)	WHITE	VIOLET	VIOLET		BLANK	YELLOW	BLANK
C – SPLIT	LTE	850	WHITE	VIOLET	YELLOW		BLANK	YELLOW	BLANK
C – SPLIT	LTE	850 – 2ND BLOCK	WHITE	VIOLET	YELLOW	YELLOW	BLANK	YELLOW	BLANK
C – SPLIT	LTE	1900 (PCS)	WHITE	VIOLET	RED		BLANK	YELLOW	BLANK
C – SPLIT	LTE	1900 (PCS) – 2ND BLOCK	WHITE	VIOLET	RED	RED	BLANK	YELLOW	BLANK
C – SPLIT	LTE	2100 (AWS)	WHITE	VIOLET	ORANGE		BLANK	YELLOW	BLANK
C – SPLIT	LTE	2100 (AWS) – 2ND BLOCK	WHITE	VIOLET	ORANGE	ORANGE	BLANK	YELLOW	BLANK
C – SPLIT	LTE	2300 (WCS)	WHITE	VIOLET	SLATE		BLANK	YELLOW	BLANK
C – SPLIT	LTE	2300 (WCS) – 2ND BLOCK	WHITE	VIOLET	BROWN		BLANK	YELLOW	BLANK
C – SPLIT	LTE	2300 (WCS) – SXM REPEATER	WHITE	VIOLET	BROWN	BROWN	BLANK	YELLOW	BLANK
C – SPLIT	LTE	700 (D/E)	WHITE	VIOLET	BROWN	BROWN	BROWN	YELLOW	BLANK
C – SPLIT	LTE	700 FIRSTNET	WHITE	VIOLET	VIOLET	BLUE	BLANK	YELLOW	BLANK
C – SPLIT	LTE	700 (B/C) / 700 FIRSTNET (DUAL RRH)	WHITE	VIOLET	VIOLET	VIOLET	BLUE	YELLOW	BLANK
C – SPLIT	LTE	1900 (PCS) / 2100 (AWS) (DUAL RRH)	WHITE	VIOLET	RED	ORANGE	BLANK	YELLOW	BLANK
C – SPLIT	LTE	8500 / 700 D/E (DUAL RRH)	WHITE	VIOLET	YELLOW	SLATE	BLANK	YELLOW	BLANK
D	LTE	700 (B/C)	BLANK	ORANGE	VIOLET		BLANK	YELLOW	BLANK
D	LTE	850	BLANK	ORANGE	YELLOW		BLANK	YELLOW	BLANK
D	LTE	850 – 2ND BLOCK	BLANK	ORANGE	YELLOW	YELLOW	BLANK	YELLOW	BLANK
D	LTE	1900 (PCS)	BLANK	ORANGE	RED		BLANK	YELLOW	BLANK
D	LTE	1900 (PCS) – 2ND BLOCK	BLANK	ORANGE	RED	RED	BLANK	YELLOW	BLANK
D	LTE	2100 (AWS)	BLANK	ORANGE	ORANGE		BLANK	YELLOW	BLANK
D	LTE	2100 (AWS) – 2ND BLOCK	BLANK	ORANGE	ORANGE	ORANGE	BLANK	YELLOW	BLANK
D	LTE	2300 (WCS)	BLANK	ORANGE	SLATE		BLANK	YELLOW	BLANK
D	LTE	2300 (WCS) – 2ND BLOCK	BLANK	ORANGE	BROWN		BLANK	YELLOW	BLANK
D	LTE	2300 (WCS) – SXM REPEATER	BLANK	ORANGE	BROWN	BROWN	BLANK	YELLOW	BLANK
D	LTE	700 (D/E)	BLANK	ORANGE	BROWN	BROWN	BROWN	YELLOW	BLANK
D	LTE	700 FIRSTNET	BLANK	ORANGE	VIOLET	BLUE	BLANK	YELLOW	BLANK
D	LTE	700 (B/C) / 700 FIRSTNET (DUAL RRH)	BLANK	ORANGE	VIOLET	VIOLET	BLUE	YELLOW	BLANK
D	LTE	1900 (PCS) / 2100 (AWS) (DUAL RRH)	BLANK	ORANGE	RED	ORANGE	BLANK	YELLOW	BLANK
D	LTE	8500 / 700 D/E (DUAL RRH)	BLANK	ORANGE	YELLOW	SLATE	BLANK	YELLOW	BLANK
E	LTE	700 (B/C)	BLANK	BROWN	VIOLET		BLANK	YELLOW	BLANK
E	LTE	850	BLANK	BROWN	YELLOW		BLANK	YELLOW	BLANK
E	LTE	850 – 2ND BLOCK	BLANK	BROWN	YELLOW	YELLOW	BLANK	YELLOW	BLANK
E	LTE	1900 (PCS)	BLANK	BROWN	RED		BLANK	YELLOW	BLANK
E	LTE	1900 (PCS) – 2ND BLOCK	BLANK	BROWN	RED	RED	BLANK	YELLOW	BLANK
E	LTE	2100 (AWS)	BLANK	BROWN	ORANGE		BLANK	YELLOW	BLANK
E	LTE	2100 (AWS) – 2ND BLOCK	BLANK	BROWN	ORANGE	ORANGE	BLANK	YELLOW	BLANK
E	LTE	2300 (WCS)	BLANK	BROWN	SLATE		BLANK	YELLOW	BLANK
E	LTE	2300 (WCS) – 2ND BLOCK	BLANK	BROWN	BROWN		BLANK	YELLOW	BLANK
E	LTE	2300 (WCS) – SXM REPEATER	BLANK	BROWN	BROWN	BROWN	BLANK	YELLOW	BLANK
E	LTE	700 (D/E)	BLANK	BROWN	BROWN	BROWN	BROWN	YELLOW	BLANK
E	LTE	700 FIRSTNET	BLANK	BROWN	VIOLET	BLUE	BLANK	YELLOW	BLANK
E	LTE	700 (B/C) / 700 FIRSTNET (DUAL RRH)	BLANK	BROWN	VIOLET	VIOLET	BLUE	YELLOW	BLANK
E	LTE	1900 (PCS) / 2100 (AWS) (DUAL RRH)	BLANK	BROWN	RED	ORANGE	BLANK	YELLOW	BLANK
E	LTE	8500 / 700 D/E (DUAL RRH)	BLANK	BROWN	YELLOW	SLATE	BLANK	YELLOW	BLANK
F	LTE	700 (B/C)	BLANK	VIOLET	VIOLET		BLANK	YELLOW	BLANK
F	LTE	850	BLANK	VIOLET	YELLOW		BLANK	YELLOW	BLANK
F	LTE	850 – 2ND BLOCK	BLANK	VIOLET	YELLOW	YELLOW	BLANK	YELLOW	BLANK
F	LTE	1900 (PCS)	BLANK	VIOLET	RED		BLANK	YELLOW	BLANK
F	LTE	1900 (PCS) – 2ND BLOCK	BLANK	VIOLET	RED	RED	BLANK	YELLOW	BLANK
F	LTE	2100 (AWS)	BLANK	VIOLET	ORANGE		BLANK	YELLOW	BLANK
F	LTE	2100 (AWS) – 2ND BLOCK	BLANK	VIOLET	ORANGE	ORANGE	BLANK	YELLOW	BLANK
F	LTE	2300 (WCS)	BLANK	VIOLET	SLATE		BLANK	YELLOW	BLANK
F	LTE	2300 (WCS) – 2ND BLOCK	BLANK	VIOLET	BROWN		BLANK	YELLOW	BLANK
F	LTE	2300 (WCS) – SXM REPEATER	BLANK	VIOLET	BROWN	BROWN	BLANK	YELLOW	BLANK
F	LTE	700 (D/E)	BLANK	VIOLET	BROWN	BROWN	BROWN	YELLOW	BLANK
F	LTE	700 FIRSTNET	BLANK	VIOLET	VIOLET	BLUE	BLANK	YELLOW	BLANK
F	LTE	700 (B/C) / 700 FIRSTNET (DUAL RRH)	BLANK	VIOLET	VIOLET	VIOLET	BLUE	YELLOW	BLANK
F	LTE	1900 (PCS) / 2100 (AWS) (DUAL RRH)	BLANK	VIOLET	RED	ORANGE	BLANK	YELLOW	BLANK
F	LTE	8500 / 700 D/E (DUAL RRH)	BLANK	VIOLET	YELLOW	SLATE	BLANK	YELLOW	BLANK

NOTE 1: PRODUCTS ARE ONLY TO BE USED WHEN ADEQUATE PHYSICAL SPACE EXISTS FOR PROPER INSTALLATION.

NOTE 2: HEAT SHRINK MAY ONLY BE USED AT GROUND LEVEL OR ROOFTOP SITES WHEN APPLIED WITH A HEAT GUN. USE ON TOWERS OR INSTALLING WITH AN OPEN FLAME DEVICE, SUCH AS A TORCH, IS PROHIBITED DUE TO POTENTIAL DAMAGE TO CONNECTORS AND CABLES. HEAT SHRINK IS NOT ALLOWED ON CONNECTIONS TO TOWER TOP EQUIPMENT EVEN IF THE HEAT SHRINK IS APPLIED ON THE GROUND PRIOR TO INSTALLING THE EQUIPMENT ON THE TOWER TOP.

NOTE 3: HEAT SHRINK IS NOT TO BE USED ON RET/AISG CONNECTORS FOUND ON RF DEVICES (RRH/RRU, ANTENNAS, ETC.), DUE TO POSSIBLE DAMAGE BEING CAUSED TO THE DEVICE. IT MAY BE USED ON CONNECTORS ATTACHED TO RET SURGE PROTECTORS.

NOTE 4: WHEN GAMMA ELECTRONICS COLD SHRINK IS USED ON FULLY THREADED DIN CONNECTORS THE THREADS MUST HAVE EITHER ROSENBERGER THREAD ADAPTER OR BUTYL APPLIED PRIOR TO THE COLD SHRINK BEING INSTALLED. REFER TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDED WITH THE PRODUCT FOR DETAILS.

TABLE 1: E/ PA / S. NJ / DE – COAX COLOR CODE

SECTOR	ALPHA	GREEN		
	A–SPLIT	GREEN	ORANGE	BLANK
	BETA	BLUE		
	B–SPLIT	BROWN	BROWN	BLANK
	GAMMA	WHITE		
	C–SPLIT	WHITE	VIOLET	BLANK
	D	ORANGE		
	E	BROWN		
	F	VIOLET		
DC TRUCNK / DC JUMPER / FIRST FIBER JUMPER				
FREQUENCY BAND	700 (B/C)	VIOLET		
	850	YELLOW		
	850 – 2ND BLOCK	YELLOW	YELLOW	BLANK
	1900 (PCS)	RED		
	1900 (PCS) – 2ND BLOCK	RED	RED	BLANK
	2100 (AWS)	ORANGE		
	2100 (AWS) – 2ND BLOCK	ORANGE	ORANGE	BLANK
	2300 (WCS)	BROWN		
	2300 (WCS) – 2ND BLOCK	BROWN	BROWN	BLANK
	2300 (WCS) – SXM REPEATER	BROWN	BROWN	BROWN
	700 (D/E)	SLATE		
	700 FIRSTNET	VIOLET	BLUE	BLANK
	700 (B/C) / 700 FIRSTNET (DUAL RRH)	VIOLET	VIOLET	BLUE
	1900 (PCS) / 2100 (AWS) (DUAL RRH)	RED	ORANGE	BLANK
	8500 / 700 D/E (DUAL RRH)	YELLOW	SLATE	BLANK

WEATHERPROOFING PRODUCT APPLICATION TABLE

PRODUCT	APPLICATION					
	HARDLINE TO JUMPER CONNECTION	7–16 DIN RF CONNECTOR	4.3–10 RF CONNECTOR	RRH/RRU DC CONNECTOR	RRH/RRU FIBER CONNECTOR	RET/AISG
TAPE & BUTYL	YES	YES (1)	YES (1)	NO	NO	NO
SELF–FUSING TAPE	YES	YES (1)	YES (1)	YES	NO	YES
JUMPER BOOT	NO	YES	YES	NO	NO	NO

TORQUE VALUES FOR CONNECTORS

CONNECTOR TYPE	TORQUE Ft–lbs	TORQUE In–lbs
7–16 DIN	19–22	221–265
4.3–10	3.67	44
N	1.25	15
SMA	0.42	5
TNC	0.42	5
RET/AISG	HAND TIGHTEN	HAND TIGHTEN

MINIMUM BENDING RADIUS FOR GROUNDING CONDUCTORS

GROUNDING CONDUCTOR SIZE	MINIMUM BENDING RADIUS (INCHES)
6 AWG	2
4 AWG	3
2 AWG	3
1/0 AWG	4
4/0 AWG	4
750 KCML	7

1 COLOR CODE STANDARD
SCALE: NOT TO SCALE

AT&T
ONE AT&T WAY
BEDMINSTER, NJ 07921

CROWN CASTLE
3200 HORIZON DRIVE, SUITE 150
KING OF PRUSSIA, PA 19406

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

AT&T SITE NUMBER:
CTL02057

BU #: **876383**
CLINTON/ANDERSON'S PROPERTY

78 CLINTON ROAD
KILLINGWORTH, CT 06419

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	6/2/20	STH	CONSTRUCTION	RMC
1	6/25/20	GEH	CONSTRUCTION	RMC
2	7/6/20	BEL	CONSTRUCTION	RMC

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SHEET NUMBER: C-9
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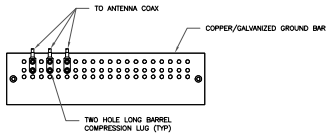
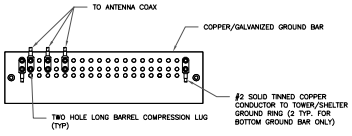


NOTES:

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 TOWER STEEL.

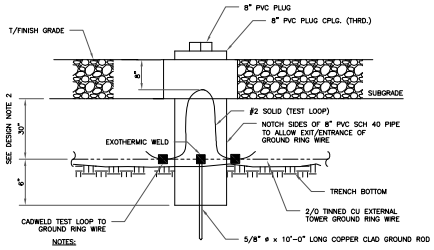
1 ANTENNA GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

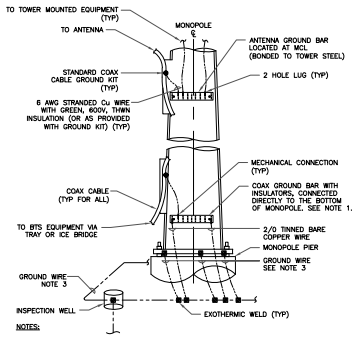
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

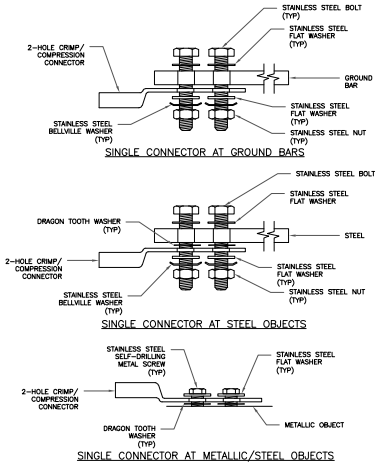
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



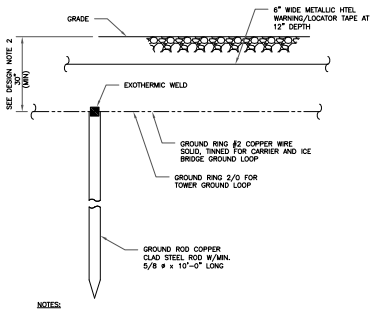
NOTES:

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

4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

AT&T
ONE AT&T WAY
BEDMINSTER, NJ 07921

CROWN CASTLE
3200 HORIZON DRIVE, SUITE 150
KING OF PRUSSIA, PA 19406

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

AT&T SITE NUMBER:
CTL02057

BU #: **876383**
CLINTON/ANDERSON'S PROPERTY

78 CLINTON ROAD
KILLINGWORTH, CT 06419

EXISTING 150'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	6/2/20	STM	CONSTRUCTION	RZN.
1	6/25/20	GZH	CONSTRUCTION	RZN.
2	7/6/20	BEL	CONSTRUCTION	RZN.

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31627
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PROFESSIONAL ENGINEER
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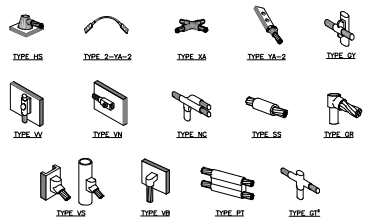
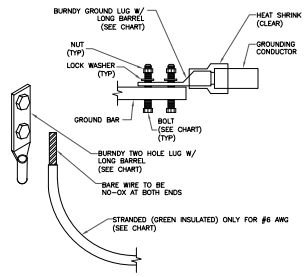


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

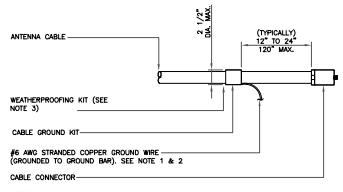
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

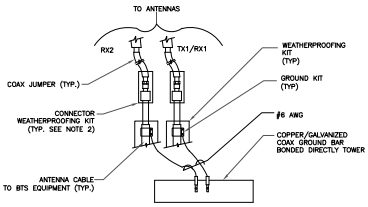
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

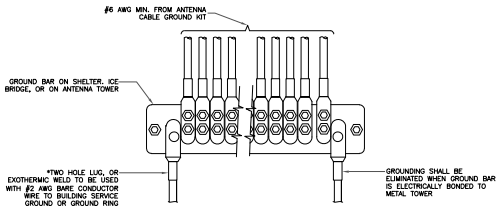
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



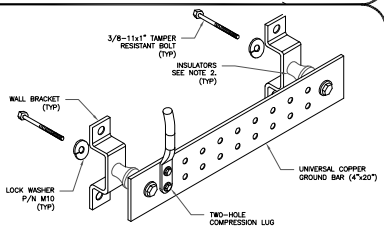
NOTES:

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

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



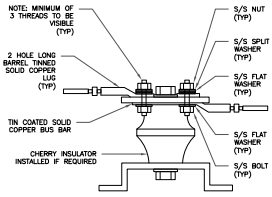
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



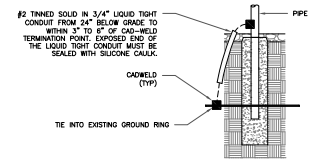
NOTES:

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

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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ONE AT&T WAY
BEDMINSTER, NJ 07921

CROWN CASTLE
3200 HORIZON DRIVE, SUITE 150
KING OF PRUSSIA, PA 19406

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EXISTING 150'-0"
MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	QES/QA
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1	6/25/20	GZH	CONSTRUCTION	BZN.
2	7/6/20	BEL	CONSTRUCTION	BZN.

STATE OF CONNECTICUT
31627
LICENSED
PROFESSIONAL ENGINEER
7/6/20

B&T ENGINEERING, INC.
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Exhibit D

Structural Analysis Report

Date: **June 27, 2020**

Darcy Tarr
Crown Castle
6325 Ardrey Kell Rd Suite 600
Charlotte, NC 28277

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

Subject:	**Structural Analysis Report**	
Carrier Designation:	***AT&T Mobility* Co-Locate**	
	Carrier Site Number:	10041784
	Carrier Site Name:	KILLINGWORTH-CLINTON ROAD
Crown Castle Designation:	**Crown Castle BU Number:**	876383
	Crown Castle Site Name:	CLINTON / ANDERSON'S PROPERTY
	Crown Castle JDE Job Number:	615451
	Crown Castle Work Order Number:	1864573
	Crown Castle Order Number:	525249 Rev. 1
Engineering Firm Designation:	**Crown Castle Project Number:**	1864573
Site Data:	**7 Sherwood Forest Lane, KILLINGWORTH, Middlesex County, CT**	
	Latitude *41° 20' 17.24"*, Longitude *-72° 33' 23.44"*	
	149.854 Foot - Monopole Tower	

Dear Darcy Tarr,

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:

LC5: Proposed Equipment Configuration **Sufficient Capacity – 75.7 %**

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: Daniel Chen

Respectfully submitted by:

STATE OF CONNECTICUT
TERRY P. STYRAN
31522
LICENSED
PROFESSIONAL ENGINEER

Terry P. Styran, P.E.
Senior Project Engineer

6/29/2020

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4) ANALYSIS RESULTS
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4.1) Recommendations

5) APPENDIX A
tnxTower Output

6) APPENDIX B
Base Level Drawing

7) APPENDIX C
Additional Calculations

1) INTRODUCTION

This tower is a 149.854 ft Monopole tower designed by Engineered Endeavors, Inc.

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
Seismic Ss:	0.173
Seismic S1:	0.061
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)
140.0	143.0	1	cci antennas	DMP65R-BU6D w/ Mount Pipe	2 2 2 6 1	3/8 7/16 7/8 1-5/8 Conduit
		2	cci antennas	DMP65R-BU8D w/ Mount Pipe		
		1	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe		
		2	cci antennas	HPA-65R-BUU-H8 w/ Mount Pipe		
		1	cci antennas	OPA65R-BU6D w/ Mount Pipe		
		2	cci antennas	OPA65R-BU8D w/ Mount Pipe		
		3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS 4449 B5/B12		
		3	ericsson	RRUS 4478 B14_CCIV2		
		3	powerwave technologies	1001940		
		1	raycap	DC6-48-60-18-8C-EV		
		1	raycap	DC6-48-60-18-8F		
	140.0	1	tower mounts	Platform Mount [LP 303-1_HR-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)
150.0	152.0	3	alcatel lucent	PCS 1900MHZ 4X45W-65MHZ	4	1-1/4
		6	alcatel lucent	RRH2X50-800		
		3	alcatel lucent	TD-RRH8X20-25		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	commscope	NNVV-65B-R4 w/ Mount Pipe		
		3	rfs celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
	150.0	1	tower mounts	Platform Mount [LP 602-1]		
128.0	128.0	3	alcatel lucent	RRH2X40-AWS	19	1-5/8
		6	andrew	DB846F65ZAXY w/ Mount Pipe		
		3	antel	BXA-70063/6CF w/ Mount Pipe		
		6	kathrein	742 213 w/ Mount Pipe		
		1	rfs celwave	DB-T1-6Z-8AB-0Z		
		1	tower mounts	T-Arm Mount [TA 602-3]		
50.0	51.0	1	lucent	KS24019-L112A	-	-
	50.0	1	tower mounts	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
4-GEOTECHNICAL REPORTS	Goodkind & O'Dea, Inc.	2122536	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	Engineered Endeavors, Inc.	1440547	CCISITES
4-TOWER MANUFACTURER DRAWINGS	Engineered Endeavors, Inc.	1613582	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	Semaan Engineering Solutions, Inc.	1595940	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	Paul J. Ford and Company.	2418226	CCISITES
4-POST-MODIFICATION INSPECTION	Paul J. Ford and Company.	2471721	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 maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. 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	149.854 - 111.934	Pole	TP26.59x18x0.1875	1	-9.79	933.44	74.5	Pass
L2	111.934 - 76.434	Pole	TP34.14x25.3474x0.3125	2	-15.56	1995.19	62.8	Pass
L3	76.434 - 43.014	Pole	TP40.97x32.4352x0.3125	3	-22.63	2400.02	75.7	Pass
L4	43.014 - 0	Pole	TP50x39.0798x0.375	4	-36.43	3628.14	67.9	Pass
							Summary	
						Pole (L3)	75.7	Pass
						Rating =	75.7	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC5

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	69.6	Pass
1	Base Plate	0	71.9	Pass
1	Base Foundation Structure	0	60.1	Pass
1	Base Foundation Soil Interaction	0	65.7	Pass

Structure Rating (max from all components) =	75.7%

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

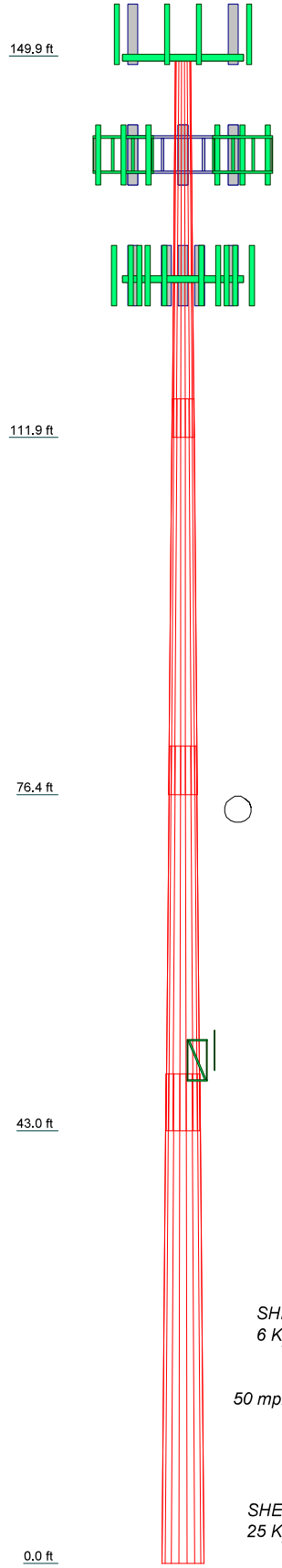
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	37.92	18	0.1875	3.83	18.0000	26.5900	A572-65	1.7
2	39.33	18	0.3125	4.83	25.3474	34.1400		3.9
3	38.25	18	0.3125	5.67	32.4352	40.9700		4.7
4	48.68	18	0.3750		39.0798	50.0000		8.7
								19.0



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: 75.7%

ALL REACTIONS ARE FACTORED

AXIAL 63 K

SHEAR 6 K

MOMENT 678 kip-ft

TORQUE 0 kip-ft

50 mph WIND - 1.5000 in ICE

AXIAL 36 K

SHEAR 25 K

MOMENT 2850 kip-ft

TORQUE 1 kip-ft

REACTIONS - 130 mph WIND

CROWN CASTLE
The Pathway to Possible

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

Job: **BU# 876383**			
Project:			
Client: Crown Castle	Drawn by: Daniel Chen	App'd:	
Code: TIA-222-H	Date: 06/27/20	Scale: NTS	
Path: R:\SA Models - Letters\Work Area\DChen\WIP\876383 WO 1864573\876383.eri		Dwg No. E-1	

Tower Input Data

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

1) Tower is located in Middlesex County, Connecticut.
2) Tower base elevation above sea level: 288.00 ft.
3) Basic wind speed of 130 mph.
4) Risk Category II.
5) Exposure Category B.
6) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
7) Topographic Category: 1.
8) Crest Height: 0.00 ft.
9) Nominal ice thickness of 1.5000 in.
10) Ice thickness is considered to increase with height.
11) Ice density of 56 pcf.
12) A wind speed of 50 mph is used in combination with ice.
13) Temperature drop of 50 °F.
14) Deflections calculated using a wind speed of 60 mph.
15) A non-linear (P-delta) analysis was used.
16) Pressures are calculated at each section.
17) Stress ratio used in pole design is 1.05.
18) Tower analysis based on target reliabilities in accordance with Annex S.
19) Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
20) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

Consider Moments - Legs
Consider Moments - Horizontals
Consider Moments - Diagonals
Use Moment Magnification
Use Code Stress Ratios
√ Use Code Safety Factors - Guys
Escalate Ice
Always Use Max Kz
Use Special Wind Profile

Include Bolts In Member Capacity

Leg Bolts Are At Top Of Section
Secondary Horizontal Braces Leg
Use Diamond Inner Bracing (4 Sided)
SR Members Have Cut Ends
SR Members Are Concentric

Distribute Leg Loads As Uniform
Assume Legs Pinned
√ Assume Rigid Index Plate
√ Use Clear Spans For Wind Area
Use Clear Spans For KL/r
Retension Guys To Initial Tension
√ Bypass Mast Stability Checks
√ Use Azimuth Dish Coefficients
√ Project Wind Area of Appurt.

Autocalc Torque Arm Areas

Add IBC .6D+W Combination
√ Sort Capacity Reports By Component
Triangulate Diamond Inner Bracing
Treat Feed Line Bundles As Cylinder
Ignore KL/ry For 60 Deg. Angle Legs

Use ASCE 10 X-Brace Ly Rules
Calculate Redundant Bracing Forces
Ignore Redundant Members in FEA
SR Leg Bolts Resist Compression
All Leg Panels Have Same Allowable
Offset Girt At Foundation
√ Consider Feed Line Torque
Include Angle Block Shear Check
Use TIA-222-H Bracing Resist. Exemption
Use TIA-222-H Tension Splice Exemption

Poles

√ Include Shear-Torsion Interaction
Always Use Sub-Critical Flow
Use Top Mounted Sockets
Pole Without Linear Attachments
Pole With Shroud Or No Appurtenances
Outside and Inside Corner Radii Are Known

Tapered Pole Section Geometry

Section	*Elevation* ft	*Section Length* ft	*Splice Length* ft	*Number of Sides*	*Top Diameter* in	*Bottom Diameter* in	*Wall Thickness* in	*Bend Radius* in	*Pole Grade*
L1	149.85-111.93	37.92	3.83	18	18.0000	26.5900	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	111.93-76.43	39.33	4.83	18	25.3474	34.1400	0.3125	1.2500	A572-65 (65 ksi)
L3	76.43-43.01	38.25	5.67	18	32.4352	40.9700	0.3125	1.2500	A572-65 (65 ksi)
L4	43.01-0.00	48.68		18	39.0798	50.0000	0.3750	1.5000	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	18.2488	10.6007	424.9328	6.3234	9.1440	46.4712	850.4248	5.3013	2.8380	15.136
	26.9713	15.7128	1383.8238	9.3729	13.5077	102.4469	2769.4685	7.8579	4.3498	23.199
L2	26.5597	24.8315	1966.2175	8.8874	12.8765	152.6984	3935.0222	12.4181	3.9111	12.516
	34.6185	33.5527	4850.6965	12.0088	17.3431	279.6900	9707.7757	16.7795	5.4586	17.468
L3	33.9817	31.8617	4153.6583	11.4036	16.4771	252.0870	8312.7820	15.9339	5.1586	16.508
	41.5538	40.3272	8422.0227	14.4334	20.8128	404.6567	16855.1273	20.1674	6.6607	21.314
L4	40.9163	46.0684	8719.0978	13.7402	19.8526	439.1926	17449.6683	23.0386	6.2181	16.581
	50.7135	59.0662	18377.1094	17.6169	25.4000	723.5082	36778.3998	29.5387	8.1400	21.707

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 149.85-111.93				1	1	1			
L2 111.93-76.43				1	1	1			
L3 76.43-43.01				1	1	1			
L4 43.01-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
AVA7-50(1-5/8) ****	C	No	Surface Ar (CaAa)	128.00 - 0.00	7	6	-0.500 -0.350	2.0100		0.70

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
HB114-13U3M12-XXXF(1-1/4)	C	No	No	Inside Pole	149.85 - 0.00	2	No Ice	0.00	0.99
							1/2" Ice	0.00	0.99
							1" Ice	0.00	0.99
							2" Ice	0.00	0.99
HB114-13U3M12-	C	No	No	Inside Pole	149.85 - 0.00	2	No Ice	0.00	0.99

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft²/ft	Weight plf
XXXF(1-1/4)							1/2" Ice	0.00	0.99
							1" Ice	0.00	0.99
							2" Ice	0.00	0.99
***									
AVA7-50(1-5/8)	B	No	No	Inside Pole	128.00 - 0.00	12	No Ice	0.00	0.70
							1/2" Ice	0.00	0.70
							1" Ice	0.00	0.70
							2" Ice	0.00	0.70
***									
LDF7-50A(1-5/8)	A	No	No	Inside Pole	140.00 - 0.00	6	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
FB-L98B-002-75000(3/8)	A	No	No	Inside Pole	140.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG122ST-BRDA(7/16)	A	No	No	Inside Pole	140.00 - 0.00	2	No Ice	0.00	0.14
							1/2" Ice	0.00	0.14
							1" Ice	0.00	0.14
							2" Ice	0.00	0.14
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	140.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG66ST-BRD_CCIV2(7/8)	A	No	No	Inside Pole	140.00 - 0.00	2	No Ice	0.00	0.88
							1/2" Ice	0.00	0.88
							1" Ice	0.00	0.88
							2" Ice	0.00	0.88
2" Rigid Conduit	A	No	No	Inside Pole	140.00 - 0.00	1	No Ice	0.00	2.80
							1/2" Ice	0.00	2.80
							1" Ice	0.00	2.80
							2" Ice	0.00	2.80
****									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
L1	149.85-111.93	A	0.000	0.000	0.000	0.000	0.28
		B	0.000	0.000	0.000	0.000	0.13
		C	0.000	0.000	19.376	0.000	0.23
L2	111.93-76.43	A	0.000	0.000	0.000	0.000	0.35
		B	0.000	0.000	0.000	0.000	0.30
		C	0.000	0.000	42.813	0.000	0.31
L3	76.43-43.01	A	0.000	0.000	0.000	0.000	0.33
		B	0.000	0.000	0.000	0.000	0.28
		C	0.000	0.000	40.305	0.000	0.30
L4	43.01-0.00	A	0.000	0.000	0.000	0.000	0.42
		B	0.000	0.000	0.000	0.000	0.36
		C	0.000	0.000	51.875	0.000	0.38

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
L1	149.85-111.93	A	1.462	0.000	0.000	0.000	0.000	0.28
		B		0.000	0.000	0.000	0.000	0.13

Tower Section n	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
		C		0.000	0.000	30.092	0.000	0.57
L2	111.93-76.43	A	1.415	0.000	0.000	0.000	0.000	0.35
		B		0.000	0.000	0.000	0.000	0.30
		C		0.000	0.000	66.493	0.000	1.08
L3	76.43-43.01	A	1.352	0.000	0.000	0.000	0.000	0.33
		B		0.000	0.000	0.000	0.000	0.28
		C		0.000	0.000	62.204	0.000	0.99
L4	43.01-0.00	A	1.218	0.000	0.000	0.000	0.000	0.42
		B		0.000	0.000	0.000	0.000	0.36
		C		0.000	0.000	79.387	0.000	1.23

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	149.85-111.93	3.0302	2.4538	2.4604	1.9924
L2	111.93-76.43	5.2246	4.2308	4.2603	3.4499
L3	76.43-43.01	5.5190	4.4692	4.5727	3.7029
L4	43.01-0.00	5.7735	4.6753	4.8417	3.9207

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

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L1	6	AVA7-50(1-5/8)	111.93 - 128.00	1.0000	1.0000
L2	6	AVA7-50(1-5/8)	76.43 - 111.93	1.0000	1.0000
L3	6	AVA7-50(1-5/8)	43.01 - 76.43	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft²	C_AA_A Side ft²	Weight K
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	150.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.00 0.00	0.0000	150.00	No Ice 1/2"	4.09 4.48	2.86 3.23	0.08 0.13

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			2.00			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	0.0000	150.00	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	0.0000	150.00	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	0.0000	150.00	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	0.0000	150.00	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	0.0000	150.00	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	0.0000	150.00	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	0.0000	150.00	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			
TD-RRH8X20-25	A	From Leg	4.00	0.0000	150.00	No Ice	4.05	1.53	0.07
			0.00			1/2"	4.30	1.71	0.10
			2.00			Ice	4.56	1.90	0.13
						1" Ice	5.10	2.30	0.20
						2" Ice			
TD-RRH8X20-25	B	From Leg	4.00	0.0000	150.00	No Ice	4.05	1.53	0.07
			0.00			1/2"	4.30	1.71	0.10
			2.00			Ice	4.56	1.90	0.13
						1" Ice	5.10	2.30	0.20
						2" Ice			
TD-RRH8X20-25	C	From Leg	4.00	0.0000	150.00	No Ice	4.05	1.53	0.07
			0.00			1/2"	4.30	1.71	0.10
			2.00			Ice	4.56	1.90	0.13
						1" Ice	5.10	2.30	0.20
						2" Ice			
PCS 1900MHZ 4X45W-65MHZ	A	From Leg	4.00	0.0000	150.00	No Ice	2.32	2.24	0.06
			0.00			1/2"	2.53	2.44	0.08
			2.00			Ice	2.74	2.65	0.11
						1" Ice	3.19	3.09	0.17
						2" Ice			
PCS 1900MHZ 4X45W-65MHZ	B	From Leg	4.00	0.0000	150.00	No Ice	2.32	2.24	0.06
			0.00			1/2"	2.53	2.44	0.08
			2.00			Ice	2.74	2.65	0.11
						1" Ice	3.19	3.09	0.17
						2" Ice			
PCS 1900MHZ 4X45W-65MHZ	C	From Leg	4.00	0.0000	150.00	No Ice	2.32	2.24	0.06
			0.00			1/2"	2.53	2.44	0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			2.00			Ice	2.74	2.65	0.11
						1" Ice	3.19	3.09	0.17
						2" Ice			
6' x 2" Mount Pipe	A	From Face	4.00	0.0000	150.00	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			
6' x 2" Mount Pipe	B	From Face	4.00	0.0000	150.00	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			
6' x 2" Mount Pipe	C	From Face	4.00	0.0000	150.00	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			
Transition Ladder	A	From Face	2.00	0.0000	150.00	No Ice	6.00	6.00	0.16
			0.00			1/2"	8.00	8.00	0.24
			0.00			Ice	10.00	10.00	0.32
						1" Ice	14.00	14.00	0.48
						2" Ice			
Platform Mount [LP 602-1]	C	None		0.0000	150.00	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" Ice			
**									
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.00	0.0000	140.00	No Ice	9.22	6.25	0.07
			0.00			1/2"	9.98	6.96	0.14
			3.00			Ice	10.76	7.70	0.22
						1" Ice	12.36	9.22	0.42
						2" Ice			
HPA-65R-BUU-H8 w/ Mount Pipe	C	From Leg	4.00	0.0000	140.00	No Ice	12.25	8.33	0.10
			0.00			1/2"	13.19	9.23	0.19
			3.00			Ice	14.16	10.15	0.30
						1" Ice	16.14	12.05	0.54
						2" Ice			
HPA-65R-BUU-H8 w/ Mount Pipe	B	From Leg	4.00	0.0000	140.00	No Ice	12.25	8.33	0.10
			0.00			1/2"	13.19	9.23	0.19
			3.00			Ice	14.16	10.15	0.30
						1" Ice	16.14	12.05	0.54
						2" Ice			
OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.00	0.0000	140.00	No Ice	12.25	6.05	0.09
			0.00			1/2"	13.00	6.71	0.18
			3.00			Ice	13.76	7.39	0.27
						1" Ice	15.34	8.79	0.51
						2" Ice			
OPA65R-BU8D w/ Mount Pipe	B	From Leg	4.00	0.0000	140.00	No Ice	17.46	8.58	0.11
			0.00			1/2"	18.46	9.49	0.22
			3.00			Ice	19.48	10.42	0.35
						1" Ice	21.58	12.33	0.66
						2" Ice			
OPA65R-BU8D w/ Mount Pipe	C	From Leg	4.00	0.0000	140.00	No Ice	17.46	8.58	0.11
			0.00			1/2"	18.46	9.49	0.22
			3.00			Ice	19.48	10.42	0.35
						1" Ice	21.58	12.33	0.66
						2" Ice			
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.00	0.0000	140.00	No Ice	11.96	5.97	0.11
			0.00			1/2"	12.70	6.63	0.20
			3.00			Ice	13.46	7.30	0.30
						1" Ice	15.02	8.69	0.53
						2" Ice			
DMP65R-BU8D w/ Mount	B	From Leg	4.00	0.0000	140.00	No Ice	15.89	7.89	0.14

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Pipe			0.00			1/2"	16.81	8.74	0.25
			3.00			Ice	17.76	9.60	0.38
						1" Ice	19.70	11.37	0.68
						2" Ice			
DMP65R-BU8D w/ Mount Pipe	C	From Leg	4.00	0.0000	140.00	No Ice	15.89	7.89	0.14
			0.00			1/2"	16.81	8.74	0.25
			3.00			Ice	17.76	9.60	0.38
						1" Ice	19.70	11.37	0.68
						2" Ice			
RRUS 32 B2	A	From Leg	4.00	0.0000	140.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			3.00			Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
						2" Ice			
RRUS 32 B2	B	From Leg	4.00	0.0000	140.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			3.00			Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
						2" Ice			
RRUS 32 B2	C	From Leg	4.00	0.0000	140.00	No Ice	2.73	1.67	0.05
			0.00			1/2"	2.95	1.86	0.07
			3.00			Ice	3.18	2.05	0.10
						1" Ice	3.66	2.46	0.16
						2" Ice			
DC6-48-60-18-8F	B	From Leg	4.00	0.0000	140.00	No Ice	1.21	1.21	0.02
			0.00			1/2"	1.89	1.89	0.04
			3.00			Ice	2.11	2.11	0.07
						1" Ice	2.57	2.57	0.13
						2" Ice			
RRUS 4449 B5/B12	A	From Leg	4.00	0.0000	140.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			3.00			Ice	2.33	1.73	0.11
						1" Ice	2.72	2.07	0.16
						2" Ice			
RRUS 4449 B5/B12	B	From Leg	4.00	0.0000	140.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			3.00			Ice	2.33	1.73	0.11
						1" Ice	2.72	2.07	0.16
						2" Ice			
RRUS 4449 B5/B12	C	From Leg	4.00	0.0000	140.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			3.00			Ice	2.33	1.73	0.11
						1" Ice	2.72	2.07	0.16
						2" Ice			
RRUS 4478 B14_CCIV2	A	From Leg	4.00	0.0000	140.00	No Ice	2.02	1.25	0.06
			0.00			1/2"	2.20	1.40	0.08
			3.00			Ice	2.39	1.55	0.10
						1" Ice	2.78	1.89	0.15
						2" Ice			
RRUS 4478 B14_CCIV2	B	From Leg	4.00	0.0000	140.00	No Ice	2.02	1.25	0.06
			0.00			1/2"	2.20	1.40	0.08
			3.00			Ice	2.39	1.55	0.10
						1" Ice	2.78	1.89	0.15
						2" Ice			
RRUS 4478 B14_CCIV2	C	From Leg	4.00	0.0000	140.00	No Ice	2.02	1.25	0.06
			0.00			1/2"	2.20	1.40	0.08
			3.00			Ice	2.39	1.55	0.10
						1" Ice	2.78	1.89	0.15
						2" Ice			
DC6-48-60-18-8C-EV	C	From Leg	4.00	0.0000	140.00	No Ice	1.14	1.14	0.03
			0.00			1/2"	1.79	1.79	0.05
			3.00			Ice	2.00	2.00	0.07
						1" Ice	2.45	2.45	0.13
						2" Ice			
1001940	A	From Leg	4.00	0.0000	140.00	No Ice	0.18	0.08	0.00

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1/2"	0.23	0.13	0.00
			3.00			Ice	0.30	0.18	0.01
						1" Ice	0.44	0.30	0.01
						2" Ice			
1001940	B	From Leg	4.00	0.0000	140.00	No Ice	0.18	0.08	0.00
			0.00			1/2"	0.23	0.13	0.00
			3.00			Ice	0.30	0.18	0.01
						1" Ice	0.44	0.30	0.01
						2" Ice			
1001940	C	From Leg	4.00	0.0000	140.00	No Ice	0.18	0.08	0.00
			0.00			1/2"	0.23	0.13	0.00
			3.00			Ice	0.30	0.18	0.01
						1" Ice	0.44	0.30	0.01
						2" Ice			
6' x 2" Mount Pipe	B	From Leg	1.00	0.0000	140.00	No Ice	1.43	1.43	0.02
			0.00			1/2"	1.92	1.92	0.03
			3.00			Ice	2.29	2.29	0.05
						1" Ice	3.06	3.06	0.09
						2" Ice			
Platform Mount [LP 303-1_HR-1]	C	None		0.0000	140.00	No Ice	17.09	17.09	1.50
						1/2"	21.47	21.47	1.88
						Ice	25.72	25.72	2.35
						1" Ice	33.96	33.96	3.52
						2" Ice			
**									
(2) DB846F65ZAXY w/ Mount Pipe	A	From Leg	4.00	0.0000	128.00	No Ice	6.10	6.81	0.06
			0.00			1/2"	6.80	7.52	0.12
			0.00			Ice	7.51	8.24	0.19
						1" Ice	8.98	9.73	0.37
						2" Ice			
(2) DB846F65ZAXY w/ Mount Pipe	B	From Leg	4.00	0.0000	128.00	No Ice	6.10	6.81	0.06
			0.00			1/2"	6.80	7.52	0.12
			0.00			Ice	7.51	8.24	0.19
						1" Ice	8.98	9.73	0.37
						2" Ice			
(2) DB846F65ZAXY w/ Mount Pipe	C	From Leg	4.00	0.0000	128.00	No Ice	6.10	6.81	0.06
			0.00			1/2"	6.80	7.52	0.12
			0.00			Ice	7.51	8.24	0.19
						1" Ice	8.98	9.73	0.37
						2" Ice			
(2) 742 213 w/ Mount Pipe	A	From Leg	4.00	0.0000	128.00	No Ice	3.54	2.98	0.05
			0.00			1/2"	4.13	3.57	0.09
			0.00			Ice	4.74	4.17	0.14
						1" Ice	6.01	5.42	0.27
						2" Ice			
(2) 742 213 w/ Mount Pipe	B	From Leg	4.00	0.0000	128.00	No Ice	3.54	2.98	0.05
			0.00			1/2"	4.13	3.57	0.09
			0.00			Ice	4.74	4.17	0.14
						1" Ice	6.01	5.42	0.27
						2" Ice			
(2) 742 213 w/ Mount Pipe	C	From Leg	4.00	0.0000	128.00	No Ice	3.54	2.98	0.05
			0.00			1/2"	4.13	3.57	0.09
			0.00			Ice	4.74	4.17	0.14
						1" Ice	6.01	5.42	0.27
						2" Ice			
BXA-70063/6CF w/ Mount Pipe	A	From Leg	4.00	0.0000	128.00	No Ice	7.82	5.70	0.04
			0.00			1/2"	8.37	6.85	0.10
			0.00			Ice	8.89	7.71	0.17
						1" Ice	9.94	9.50	0.33
						2" Ice			
BXA-70063/6CF w/ Mount Pipe	B	From Leg	4.00	0.0000	128.00	No Ice	7.82	5.70	0.04
			0.00			1/2"	8.37	6.85	0.10
			0.00			Ice	8.89	7.71	0.17
						1" Ice	9.94	9.50	0.33
						2" Ice			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
BXA-70063/6CF w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.82 8.37 8.89 9.94	5.70 6.85 7.71 9.50	0.04 0.10 0.17 0.33
RRH2X40-AWS	A	From Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.16 2.36 2.57 3.00	1.42 1.59 1.77 2.14	0.04 0.06 0.08 0.13
RRH2X40-AWS	B	From Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.16 2.36 2.57 3.00	1.42 1.59 1.77 2.14	0.04 0.06 0.08 0.13
RRH2X40-AWS	C	From Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.16 2.36 2.57 3.00	1.42 1.59 1.77 2.14	0.04 0.06 0.08 0.13
DB-T1-6Z-8AB-0Z	A	From Leg	4.00 0.00 0.00	0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.80 5.07 5.35 5.93	2.00 2.19 2.39 2.81	0.04 0.08 0.12 0.21
T-Arm Mount [TA 602-3] **	C	None		0.0000	128.00	No Ice 1/2" Ice 1" Ice 2" Ice	13.40 16.44 19.70 25.86	13.40 16.44 19.70 25.86	0.77 1.00 1.29 2.05
KS24019-L112A	B	From Leg	2.00 0.00 1.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.10 0.18 0.26 0.42	0.10 0.18 0.26 0.42	0.01 0.01 0.01 0.01
Side Arm Mount [SO 701-1]	B	From Leg	0.00 0.00 0.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.85 1.14 1.43 2.01	1.67 2.34 3.01 4.35	0.07 0.08 0.09 0.12
2' x 2" Pipe Mount ****	B	From Leg	2.00 0.00 0.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.02 0.05 0.09 0.19	0.02 0.05 0.09 0.19	0.01 0.01 0.01 0.01

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

Comb. No.	Description
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	149.854 - 111.934	Pole	Max Tension	26	0.00	-0.00	0.00
			Max. Compression	26	-27.42	1.04	-1.50
			Max. Mx	20	-9.79	408.31	-0.18
			Max. My	14	-9.81	0.45	-403.35
			Max. Vy	20	-16.68	408.31	-0.18
			Max. Vx	14	16.56	0.45	-403.35
			Max. Torque	11			-1.18
L2	111.934 - 76.434	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-35.53	1.11	-3.03
			Max. Mx	20	-15.56	1028.58	-0.50
			Max. My	14	-15.58	0.49	-1019.84
			Max. Vy	20	-19.28	1028.58	-0.50
			Max. Vx	14	19.17	0.49	-1019.84
			Max. Torque	12			-0.86
L3	76.434 - 43.014	Pole	Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	26	-45.14	0.92	-4.83
			Max. Mx	20	-22.64	1696.85	-0.95
			Max. My	14	-22.65	0.37	-1684.92
			Max. Vy	20	-21.71	1696.85	-0.95
			Max. Vx	14	21.61	0.37	-1684.92
			Max. Torque	12			-0.86
L4	43.014 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.83	0.92	-7.38
			Max. Mx	20	-36.43	2832.84	-2.14
			Max. My	14	-36.43	0.97	-2816.71
			Max. Vy	20	-24.90	2832.84	-2.14
			Max. Vx	14	24.80	0.97	-2816.71
			Max. Torque	11			-0.85

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	33	62.83	0.00	-5.74
	Max. H_x	21	27.34	24.86	-0.01
	Max. H_z	3	27.34	-0.01	24.77
	Max. M_x	2	2813.66	-0.01	24.77
	Max. M_z	8	2832.13	-24.86	0.01
	Max. Torsion	23	0.82	21.53	12.37
	Min. Vert	13	27.34	-12.42	-21.45
	Min. H_x	9	27.34	-24.86	0.01
	Min. H_z	15	27.34	0.01	-24.77
	Min. M_x	14	-2816.71	0.01	-24.77
	Min. M_z	20	-2832.84	24.86	-0.01
	Min. Torsion	11	-0.85	-21.53	-12.37

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	30.38	0.00	0.00	1.22	0.27	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	36.45	0.01	-24.77	-2813.66	-0.27	-0.53
0.9 Dead+1.0 Wind 0 deg - No Ice	27.34	0.01	-24.77	-2776.15	-0.37	-0.52
1.2 Dead+1.0 Wind 30 deg - No Ice	36.45	12.60	-21.73	-2461.12	-1430.53	-0.15
0.9 Dead+1.0 Wind 30 deg - No Ice	27.34	12.60	-21.73	-2428.46	-1411.40	-0.13
1.2 Dead+1.0 Wind 60 deg - No Ice	36.45	21.65	-12.46	-1412.72	-2463.66	0.28
0.9 Dead+1.0 Wind 60 deg - No Ice	27.34	21.65	-12.46	-1394.11	-2430.59	0.31
1.2 Dead+1.0 Wind 90 deg - No Ice	36.45	24.86	-0.01	0.90	-2832.13	0.65
0.9 Dead+1.0 Wind 90 deg - No Ice	27.34	24.86	-0.01	0.50	-2794.04	0.67
1.2 Dead+1.0 Wind 120 deg - No Ice	36.45	21.53	12.37	1408.52	-2452.37	0.84
0.9 Dead+1.0 Wind 120 deg - No Ice	27.34	21.53	12.37	1389.19	-2419.40	0.85
1.2 Dead+1.0 Wind 150 deg - No Ice	36.45	12.42	21.45	2439.21	-1415.40	0.80
0.9 Dead+1.0 Wind 150 deg	27.34	12.42	21.45	2405.99	-1396.41	0.80

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
- No Ice						
1.2 Dead+1.0 Wind 180 deg - No Ice	36.45	-0.01	24.77	2816.71	0.97	0.53
0.9 Dead+1.0 Wind 180 deg - No Ice	27.34	-0.01	24.77	2778.41	0.87	0.52
1.2 Dead+1.0 Wind 210 deg - No Ice	36.45	-12.60	21.73	2464.17	1431.23	0.12
0.9 Dead+1.0 Wind 210 deg - No Ice	27.34	-12.60	21.73	2430.72	1411.91	0.10
1.2 Dead+1.0 Wind 240 deg - No Ice	36.45	-21.65	12.46	1415.77	2464.37	-0.31
0.9 Dead+1.0 Wind 240 deg - No Ice	27.34	-21.65	12.46	1396.36	2431.10	-0.34
1.2 Dead+1.0 Wind 270 deg - No Ice	36.45	-24.86	0.01	2.14	2832.84	-0.65
0.9 Dead+1.0 Wind 270 deg - No Ice	27.34	-24.86	0.01	1.75	2794.56	-0.67
1.2 Dead+1.0 Wind 300 deg - No Ice	36.45	-21.53	-12.37	-1405.49	2453.08	-0.81
0.9 Dead+1.0 Wind 300 deg - No Ice	27.34	-21.53	-12.37	-1386.94	2419.91	-0.82
1.2 Dead+1.0 Wind 330 deg - No Ice	36.45	-12.42	-21.45	-2436.17	1416.10	-0.77
0.9 Dead+1.0 Wind 330 deg - No Ice	27.34	-12.42	-21.45	-2403.74	1396.91	-0.76
1.2 Dead+1.0 Ice+1.0 Temp	62.83	-0.00	0.00	7.38	0.92	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	62.83	0.00	-5.74	-662.89	0.73	-0.18
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	62.83	2.88	-4.98	-573.18	-335.69	-0.12
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	62.83	4.99	-2.88	-327.88	-581.91	-0.02
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	62.83	5.75	-0.00	7.28	-671.95	0.07
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	62.83	4.98	2.87	342.50	-581.69	0.15
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	62.83	2.87	4.97	587.96	-335.32	0.19
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	62.83	-0.00	5.74	677.88	1.15	0.18
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	62.83	-2.88	4.98	588.17	337.57	0.12
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	62.83	-4.99	2.88	342.87	583.79	0.02
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	62.83	-5.75	0.00	7.70	673.83	-0.07
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	62.83	-4.98	-2.87	-327.52	583.58	-0.15
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	62.83	-2.87	-4.97	-572.97	337.20	-0.19
Dead+Wind 0 deg - Service	30.38	0.00	-4.97	-559.86	0.17	-0.11
Dead+Wind 30 deg - Service	30.38	2.53	-4.36	-489.62	-284.93	-0.03
Dead+Wind 60 deg - Service	30.38	4.34	-2.50	-280.63	-490.87	0.06
Dead+Wind 90 deg - Service	30.38	4.99	-0.00	1.15	-564.31	0.14
Dead+Wind 120 deg - Service	30.38	4.32	2.48	281.73	-488.61	0.17
Dead+Wind 150 deg - Service	30.38	2.49	4.30	487.17	-281.90	0.16
Dead+Wind 180 deg - Service	30.38	-0.00	4.97	562.41	0.42	0.11
Dead+Wind 210 deg - Service	30.38	-2.53	4.36	492.16	285.52	0.02
Dead+Wind 240 deg - Service	30.38	-4.34	2.50	283.18	491.45	-0.06
Dead+Wind 270 deg - Service	30.38	-4.99	0.00	1.40	564.90	-0.14
Dead+Wind 300 deg - Service	30.38	-4.32	-2.48	-279.18	489.19	-0.17
Dead+Wind 330 deg -	30.38	-2.49	-4.30	-484.62	282.49	-0.16

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Service						

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.00	-30.38	0.00	0.00	30.38	0.00	0.000%
2	0.01	-36.45	-24.77	-0.01	36.45	24.77	0.000%
3	0.01	-27.34	-24.77	-0.01	27.34	24.77	0.000%
4	12.60	-36.45	-21.73	-12.60	36.45	21.73	0.000%
5	12.60	-27.34	-21.73	-12.60	27.34	21.73	0.000%
6	21.65	-36.45	-12.46	-21.65	36.45	12.46	0.000%
7	21.65	-27.34	-12.46	-21.65	27.34	12.46	0.000%
8	24.86	-36.45	-0.01	-24.86	36.45	0.01	0.000%
9	24.86	-27.34	-0.01	-24.86	27.34	0.01	0.000%
10	21.53	-36.45	12.37	-21.53	36.45	-12.37	0.000%
11	21.53	-27.34	12.37	-21.53	27.34	-12.37	0.000%
12	12.42	-36.45	21.45	-12.42	36.45	-21.45	0.000%
13	12.42	-27.34	21.45	-12.42	27.34	-21.45	0.000%
14	-0.01	-36.45	24.77	0.01	36.45	-24.77	0.000%
15	-0.01	-27.34	24.77	0.01	27.34	-24.77	0.000%
16	-12.60	-36.45	21.73	12.60	36.45	-21.73	0.000%
17	-12.60	-27.34	21.73	12.60	27.34	-21.73	0.000%
18	-21.65	-36.45	12.46	21.65	36.45	-12.46	0.000%
19	-21.65	-27.34	12.46	21.65	27.34	-12.46	0.000%
20	-24.86	-36.45	0.01	24.86	36.45	-0.01	0.000%
21	-24.86	-27.34	0.01	24.86	27.34	-0.01	0.000%
22	-21.53	-36.45	-12.37	21.53	36.45	12.37	0.000%
23	-21.53	-27.34	-12.37	21.53	27.34	12.37	0.000%
24	-12.42	-36.45	-21.45	12.42	36.45	21.45	0.000%
25	-12.42	-27.34	-21.45	12.42	27.34	21.45	0.000%
26	0.00	-62.83	0.00	0.00	62.83	-0.00	0.000%
27	0.00	-62.83	-5.74	-0.00	62.83	5.74	0.000%
28	2.88	-62.83	-4.98	-2.88	62.83	4.98	0.000%
29	4.99	-62.83	-2.88	-4.99	62.83	2.88	0.000%
30	5.75	-62.83	-0.00	-5.75	62.83	0.00	0.000%
31	4.98	-62.83	2.87	-4.98	62.83	-2.87	0.000%
32	2.87	-62.83	4.97	-2.87	62.83	-4.97	0.000%
33	-0.00	-62.83	5.74	0.00	62.83	-5.74	0.000%
34	-2.88	-62.83	4.98	2.88	62.83	-4.98	0.000%
35	-4.99	-62.83	2.88	4.99	62.83	-2.88	0.000%
36	-5.75	-62.83	0.00	5.75	62.83	-0.00	0.000%
37	-4.98	-62.83	-2.87	4.98	62.83	2.87	0.000%
38	-2.87	-62.83	-4.97	2.87	62.83	4.97	0.000%
39	0.00	-30.38	-4.97	-0.00	30.38	4.97	0.000%
40	2.53	-30.38	-4.36	-2.53	30.38	4.36	0.000%
41	4.34	-30.38	-2.50	-4.34	30.38	2.50	0.000%
42	4.99	-30.38	-0.00	-4.99	30.38	0.00	0.000%
43	4.32	-30.38	2.48	-4.32	30.38	-2.48	0.000%
44	2.49	-30.38	4.30	-2.49	30.38	-4.30	0.000%
45	-0.00	-30.38	4.97	0.00	30.38	-4.97	0.000%
46	-2.53	-30.38	4.36	2.53	30.38	-4.36	0.000%
47	-4.34	-30.38	2.50	4.34	30.38	-2.50	0.000%
48	-4.99	-30.38	0.00	4.99	30.38	-0.00	0.000%
49	-4.32	-30.38	-2.48	4.32	30.38	2.48	0.000%
50	-2.49	-30.38	-4.30	2.49	30.38	4.30	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	0.00007980
3	Yes	4	0.00000001	0.00087503
4	Yes	6	0.00000001	0.00024006
5	Yes	6	0.00000001	0.00006960
6	Yes	6	0.00000001	0.00023925
7	Yes	6	0.00000001	0.00006938
8	Yes	5	0.00000001	0.00008303
9	Yes	4	0.00000001	0.00094171
10	Yes	6	0.00000001	0.00024349
11	Yes	6	0.00000001	0.00007104
12	Yes	6	0.00000001	0.00023537
13	Yes	6	0.00000001	0.00006825
14	Yes	5	0.00000001	0.00008169
15	Yes	4	0.00000001	0.00089209
16	Yes	6	0.00000001	0.00024224
17	Yes	6	0.00000001	0.00007021
18	Yes	6	0.00000001	0.00024190
19	Yes	6	0.00000001	0.00007028
20	Yes	5	0.00000001	0.00008503
21	Yes	4	0.00000001	0.00096020
22	Yes	6	0.00000001	0.00023586
23	Yes	6	0.00000001	0.00006834
24	Yes	6	0.00000001	0.00024309
25	Yes	6	0.00000001	0.00007095
26	Yes	4	0.00000001	0.00010381
27	Yes	6	0.00000001	0.00017409
28	Yes	6	0.00000001	0.00023869
29	Yes	6	0.00000001	0.00023986
30	Yes	6	0.00000001	0.00017635
31	Yes	6	0.00000001	0.00024817
32	Yes	6	0.00000001	0.00024481
33	Yes	6	0.00000001	0.00017847
34	Yes	6	0.00000001	0.00024961
35	Yes	6	0.00000001	0.00024909
36	Yes	6	0.00000001	0.00017784
37	Yes	6	0.00000001	0.00024065
38	Yes	6	0.00000001	0.00024316
39	Yes	4	0.00000001	0.00011654
40	Yes	4	0.00000001	0.00082094
41	Yes	4	0.00000001	0.00081343
42	Yes	4	0.00000001	0.00012072
43	Yes	4	0.00000001	0.00087199
44	Yes	4	0.00000001	0.00078655
45	Yes	4	0.00000001	0.00011739
46	Yes	4	0.00000001	0.00085346
47	Yes	4	0.00000001	0.00085294
48	Yes	4	0.00000001	0.00012142
49	Yes	4	0.00000001	0.00078632
50	Yes	4	0.00000001	0.00086423

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	149.854 - 111.934	25.512	47	1.6447	0.0038
L2	115.764 - 76.434	14.689	46	1.2848	0.0013
L3	81.264 - 43.014	6.881	46	0.8540	0.0006
L4	48.684 - 0	2.348	46	0.4531	0.0002

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	APXVTM14-ALU-I20 w/ Mount Pipe	47	25.512	1.6447	0.0038	23922
140.00	HPA-65R-BUU-H6 w/ Mount Pipe	47	22.205	1.5451	0.0029	12138
128.00	(2) DB846F65ZAXY w/ Mount Pipe	46	18.322	1.4203	0.0020	5472
50.00	KS24019-L112A	46	2.475	0.4678	0.0002	4222

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	149.854 - 111.934	127.497	20	8.2280	0.0193
L2	115.764 - 76.434	73.517	16	6.4415	0.0065
L3	81.264 - 43.014	34.472	16	4.2824	0.0028
L4	48.684 - 0	11.763	16	2.2715	0.0011

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
150.00	APXVTM14-ALU-I20 w/ Mount Pipe	20	127.497	8.2280	0.0193	4964
140.00	HPA-65R-BUU-H6 w/ Mount Pipe	18	111.004	7.7347	0.0149	2517
128.00	(2) DB846F65ZAXY w/ Mount Pipe	16	91.637	7.1158	0.0101	1132
50.00	KS24019-L112A	16	12.403	2.3451	0.0012	845

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	149.854 - 111.934 (1)	TP26.59x18x0.1875	37.92	0.00	0.0	15.1965	-9.79	888.99	0.011
L2	111.934 - 76.434 (2)	TP34.14x25.3474x0.3125	39.33	0.00	0.0	32.4816	-15.56	1900.18	0.008
L3	76.434 - 43.014 (3)	TP40.97x32.4352x0.3125	38.25	0.00	0.0	39.0723	-22.63	2285.73	0.010
L4	43.014 - 0 (4)	TP50x39.0798x0.375	48.68	0.00	0.0	59.0662	-36.43	3455.37	0.011

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	149.854 - 111.934 (1)	TP26.59x18x0.1875	408.31	531.97	0.768	0.00	531.97	0.000
L2	111.934 - 76.434 (2)	TP34.14x25.3474x0.3125	1028.58	1582.77	0.650	0.00	1582.77	0.000
L3	76.434 - 43.014 (3)	TP40.97x32.4352x0.3125	1700.93	2168.53	0.784	0.00	2168.53	0.000
L4	43.014 - 0 (4)	TP50x39.0798x0.375	2849.66	4060.77	0.702	0.00	4060.77	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	149.854 - 111.934 (1)	TP26.59x18x0.1875	16.68	266.70	0.063	0.60	596.39	0.001
L2	111.934 - 76.434 (2)	TP34.14x25.3474x0.3125	19.28	570.05	0.034	0.59	1634.84	0.000
L3	76.434 - 43.014 (3)	TP40.97x32.4352x0.3125	21.95	685.72	0.032	0.23	2365.58	0.000
L4	43.014 - 0 (4)	TP50x39.0798x0.375	25.15	1036.61	0.024	0.12	4505.02	0.000

Pole Interaction Design Data

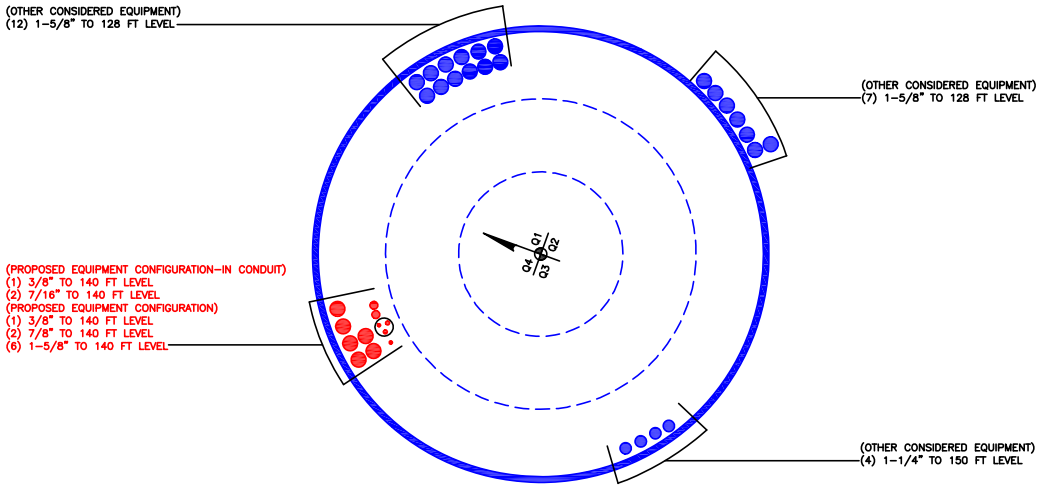
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	149.854 - 111.934 (1)	0.011	0.768	0.000	0.063	0.001	0.783	1.050	4.8.2
L2	111.934 - 76.434 (2)	0.008	0.650	0.000	0.034	0.000	0.659	1.050	4.8.2
L3	76.434 - 43.014 (3)	0.010	0.784	0.000	0.032	0.000	0.795	1.050	4.8.2
L4	43.014 - 0 (4)	0.011	0.702	0.000	0.024	0.000	0.713	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	149.854 - 111.934	Pole	TP26.59x18x0.1875	1	-9.79	933.44	74.5	Pass
L2	111.934 - 76.434	Pole	TP34.14x25.3474x0.3125	2	-15.56	1995.19	62.8	Pass
L3	76.434 - 43.014	Pole	TP40.97x32.4352x0.3125	3	-22.63	2400.02	75.7	Pass
L4	43.014 - 0	Pole	TP50x39.0798x0.375	4	-36.43	3628.14	67.9	Pass
							Summary	
						Pole (L3)	75.7	Pass
						RATING =	**75.7**	**Pass**

APPENDIX B

BASE LEVEL DRAWING


(OTHER CONSIDERED EQUIPMENT)
(12) 1-5/8" TO 128 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(7) 1-5/8" TO 128 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION-IN CONDUIT)
(1) 3/8" TO 140 FT LEVEL
(2) 7/16" TO 140 FT LEVEL
(PROPOSED EQUIPMENT CONFIGURATION)
(1) 3/8" TO 140 FT LEVEL
(2) 7/8" TO 140 FT LEVEL
(6) 1-5/8" TO 140 FT LEVEL
Q1
Q2
Q3
Q4
(OTHER CONSIDERED EQUIPMENT)
(4) 1-1/4" TO 150 FT LEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

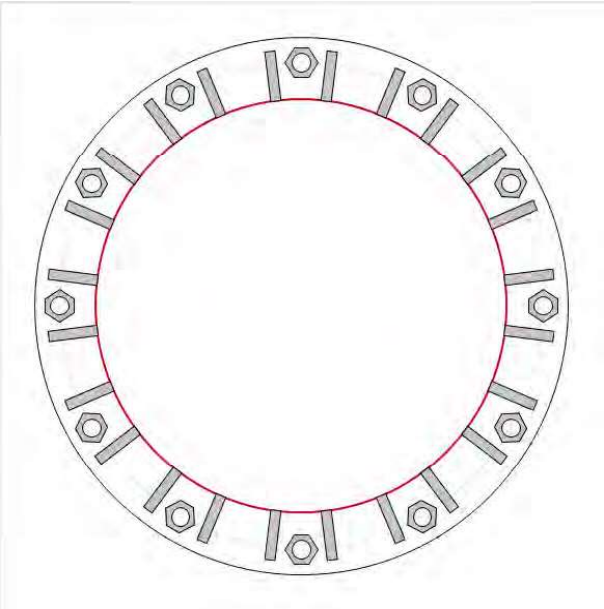
Monopole Base Plate Connection

Site Info	
BU #	876383
Site Name	ton / Anderson's Prop
Order #	525249 Rev 1

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	0

Applied Loads	
Moment (kip-ft)	2849.66
Axial Force (kips)	36.43
Shear Force (kips)	25.15

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 59" BC

Base Plate Data

65" OD x 1.75" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)

Stiffener Data

(24) 18"H x 6"W x 1.25"T, Notch: 0.75"
plate: Fy= 50 ksi ; weld: Fy= 70 ksi
horiz. weld: 0.5" groove, 45° dbl bevel, 0.5" fillet
vert. weld: 0.375" fillet

Pole Data

50" x 0.375" 18-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)

Analysis Results

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

Pu_c = 196.12	ϕPn_c = 268.39	**Stress Rating**
Vu = 2.1	ϕVn = 120.77	**69.6%**
Mu = n/a	ϕMn = n/a	**Pass**

Base Plate Summary

Max Stress (ksi):	40.79	(Roark's Flexural)
Allowable Stress (ksi):	54	
Stress Rating:	**71.9%**	**Pass**

Stiffener Summary

Horizontal Weld:	**44.4%**	**Pass**
Vertical Weld:	**29.6%**	**Pass**
Plate Flexure+Shear:	**5.6%**	**Pass**
Plate Tension+Shear:	**26.6%**	**Pass**
Plate Compression:	**28.2%**	**Pass**

Pole Summary

Punching Shear:	**8.0%**	**Pass**

Pier and Pad Foundation

BU # :	876383
Site Name:	Clinton / Anderson'
App. Number:	525249 Rev 1

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	36	kips
Base Shear, Vu_comp:	25	kips
Moment, M_u:	2850	ft-kips
Tower Height, **H**:	150	ft
BP Dist. Above Fdn, bp_{dist}:	4	in

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	143.93	25.00	**16.5%**	**Pass**
Bearing Pressure (ksf)	15.00	3.06	**20.4%**	**Pass**
*Overturning (kip*ft)*	4559.12	2995.83	**65.7%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	4616.29	2912.50	**60.1%**	**Pass**
Pier Compression (kip)	26891.28	55.01	**0.2%**	**Pass**
*Pad Flexure (kip*ft)*	4344.44	1225.41	**26.9%**	**Pass**
Pad Shear - 1-way (kips)	878.58	187.76	**20.4%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.030	**15.3%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	4663.98	1747.50	**35.7%**	**Pass**

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

Soil Rating*:	**65.7%**
Structural Rating*:	**60.1%**

Pier Properties

Pier Shape:	Square	
Pier Diameter, **dpier**:	6.5	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	8	
Pier Rebar Quantity, **mc**:	39	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	7	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties

Depth, **D**:	5	ft
Pad Width, **W**:	24.5	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Top), Sp_{top}:	8	
Pad Top Rebar Quantity (Top), mp_{top}:	28	
Pad Rebar Size (Bottom), **Sp**:	8	
Pad Rebar Quantity (Bottom), **mp**:	40	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties

Total Soil Unit Weight, γ:	100	pcf
Ultimate Gross Bearing, Qult:	20.000	ksf
Cohesion, **Cu**:		ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:	6	
Base Friction, μ:		
Neglected Depth, **N**:	3.30	ft
Foundation Bearing on Rock?	Yes	
Groundwater Depth, **gw**:	n/a	ft

<--Toggle between Gross and Net

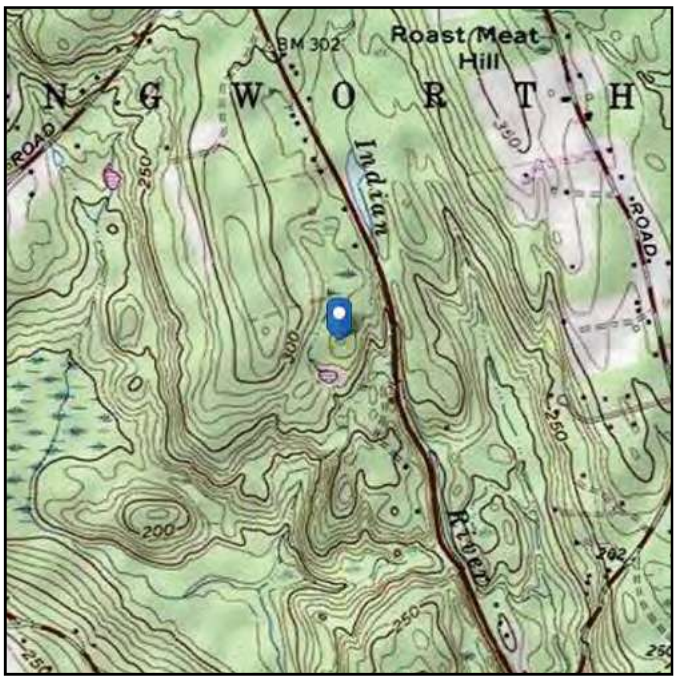
Version 3.3.2

ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 288.38 ft (NAVD 88)
Latitude: 41.338122
Longitude: -72.556511



Ice

Results:

Ice Thickness:	0.75 in.
Concurrent Temperature:	15 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Fri Jun 26 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.

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BU:	876383	Structure:	A
WO:	1864573		
Order:	525249	Rev:	1

Location

	Decimal Degrees		Deg	Min	Sec
Lat:	41.338122	+	41	20	17.24
Long:	-72.556511	-	72	33	23.44

Code and Site Parameters

Seismic Design Code:	ASCE 7-10	
Site Soil:	D	Stiff Soil (Default)
Risk Category:	II	

USGS Seismic Reference			
	S_S:	0.1730	g
	S_1:	0.0610	g
	T_L:	6	s

Seismic Design Category Determination

Importance Factor, I_e:	1	
Acceleration-based site coefficient, F_a:	1.6000	
Velocity-based site coefficient, F_v:	2.4000	
Design spectral response acceleration short period, S_{DS}:	0.1845	g
Design spectral response acceleration 1 s period, S_{D1}:	0.0976	g
Seismic Design Category Based on S_{DS}:	B	
Seismic Design Category Based on S_{D1}:	B	
Seismic Design Category Based on S_1:	N/A	
Controlling Seismic Design Category:	B	

Exhibit E

Mount Analysis

Date: **June 25, 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
mhoudeshell@podgrp.com

Subject:	**Mount Analysis Report**	
Carrier Designation:	**AT&T Mobility**	
	Carrier Site Number:	**10041784**
	Carrier Site Name:	**KILLINGWORTH-CLINTON ROAD**
	FA Number:	**10041784**
	PACE Ref#:	**MRCTB047330**
Crown Castle Designation:	**Crown Castle BU Number:**	**876383**
	Crown Castle Site Name:	**CLINTON / ANDERSON'S PROPERTY**
	Crown Castle JDE Job Number:	**615451**
	Crown Castle Order Number:	**525249 Rev 1**
Engineering Firm Designation:	**POD Report Designation:**	**20-65932**
Site Data:	**7 Sherwood Forest Lane, Killingworth, Middlesex County, CT 06419**	
	Latitude 41°20'17.24" Longitude -72°33'23.44"	
Structure Information:	**Tower Height & Type:**	**150 ft Monopole**
	Mount Elevation:	**140 ft**
	Mount Type:	**12.5 ft. Platform with Support Rails**

Dear Darcy Tarr,

POD Group is pleased to submit this "Mount Analysis Report" to determine the structural integrity of AT&T'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 analysis has been performed in accordance with the TIA-222-H Standard based upon an ultimate 3-second gust wind speed of 123 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Uma Toluganti

Respectfully submitted by:

6/25/2020

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032793
LICENSED
PROFESSIONAL ENGINEER

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

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1) INTRODUCTION

This mount is an existing 12.5 ft Platform with Support Rails. This mount is installed at the 140 ft elevation on the 150 ft Monopole.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	123 mph
Exposure Category:	B
Topographic Factor at Base:	1.00
Topographic Factor at Mount:	1.00
Ice Thickness:	1 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.209
Seismic S_1:	0.054
Live Loading Wind Speed:	30 mph
Man Live Load at Mid/End-Points:	250 lb
Man Live Load at Mount Pipes:	500 lb

Table 1 - Final Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
140	143	1	CCI ANTENNAS	DMP65R-BU6D	12.5 Ft. Platform with Support Rails	-
		2	CCI ANTENNAS	DMP65R-BU8D		
		1	CCI ANTENNAS	HPA-65R-BUU-H6		
		2	CCI ANTENNAS	HPA-65R-BUU-H8		
		1	CCI ANTENNAS	OPA65R-BU6D		
		2	CCI ANTENNAS	OPA65R-BU8D		
		3	ERICSSON	RRUS 32 B2		
		3	ERICSSON	RRUS 4449 B5/B12		
		3	ERICSSON	RRUS 4478 B14_CCIV2		
		3	POWERWAVE TECHNOLOGIES	1001940		
		1	RAYCAP	DC6-48-60-18-8C-EV		
		1	RAYCAP	DC6-48-60-18-8F		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Crown Application	-	Crown Castle APP ID: 525249 Rev 1 Dated: 07/23/2019	Crown Castle
Previous Mount Analysis	-	Tower Engineering Professionals Project #: 217201.406183 Dated: 04/20/2020	Crown Castle
RFDS	-	AT&T RFDS ID: 3719968 Dated: 06/22/2020	Crown Castle

3.1) Analysis Method

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

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

This analysis was performed in accordance with Crown Castle's ENG-SOW-10208 Tower Mount Analysis (Revision B). In addition, this analysis is in accordance with AT&T's mount technical directive.

3.2) Assumptions

1) The antenna mounting system was properly fabricated, installed, and maintained in good condition in accordance with its original design, TIA Standards, and/or manufacturer's specifications.
2) The configuration of antennas, mounts, and other appurtenances are as specified in Table 1 and the referenced drawings.
3) All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
4) The weight of the mount was increased 10% in the analysis to account for connections, coax, and jumpers.
5) Member sizes have been assumed from photos of the site and experience with similar mounting systems. If the sizes assumed in this report differ from the actual member sizes, POD Group shall be contacted immediately, and the results of the analysis shall be considered null and void.
6) All structural members shall be verified in accordance with AT&T Mount Technical Directive.
7) The analysis will be required to be revised if the existing conditions in the field differ from those shown in the above-referenced documents or assumed in this analysis. No allowance was made for any damaged, missing, or rusted members.
8) Prior structural modifications to the tower mounting system are assumed to be installed as shown per available data.
9) Steel grades have been assumed as follows, unless noted otherwise:
   a. Angle, Plate — ASTM A36 (GR 36)
   b. HSS (Rectangular) — ASTM 500 (GR B-46)
   c. Pipe — ASTM A53 (GR 35)
   d. Connection Bolts — ASTM A325

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

4) ANALYSIS RESULTS

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

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
	Angle	ANGLE3	143	65.5	Pass
	Plate	PLATE1		64.5	Pass
	Mount Pipe	MP GAMMA2		61.6	Pass
	Rail	RAIL3		48.2	Pass
	Standoff	SO3		39.2	Pass
	Support	SUP2A		21.3	Pass
	Face	FACE2		19.7	Pass
1	Flange Plate	-	-	52.7	Pass
1	Flange Bolts	-	-	7.7	Pass

Structure Rating (max from all components) =	65.5 %

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. No modifications are required at this time.

Table 4 – AT&T Specification

Wind Speed (mph)	Ice Thickness (in)	Height (ft)	Exposure	Class	Topo	# of Pipes	Allowable EPA per Pipe (ft sq.)	Allowable Weight per Sector (lbs)
123	1	143	B	II	1	3	11.00	2300

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.

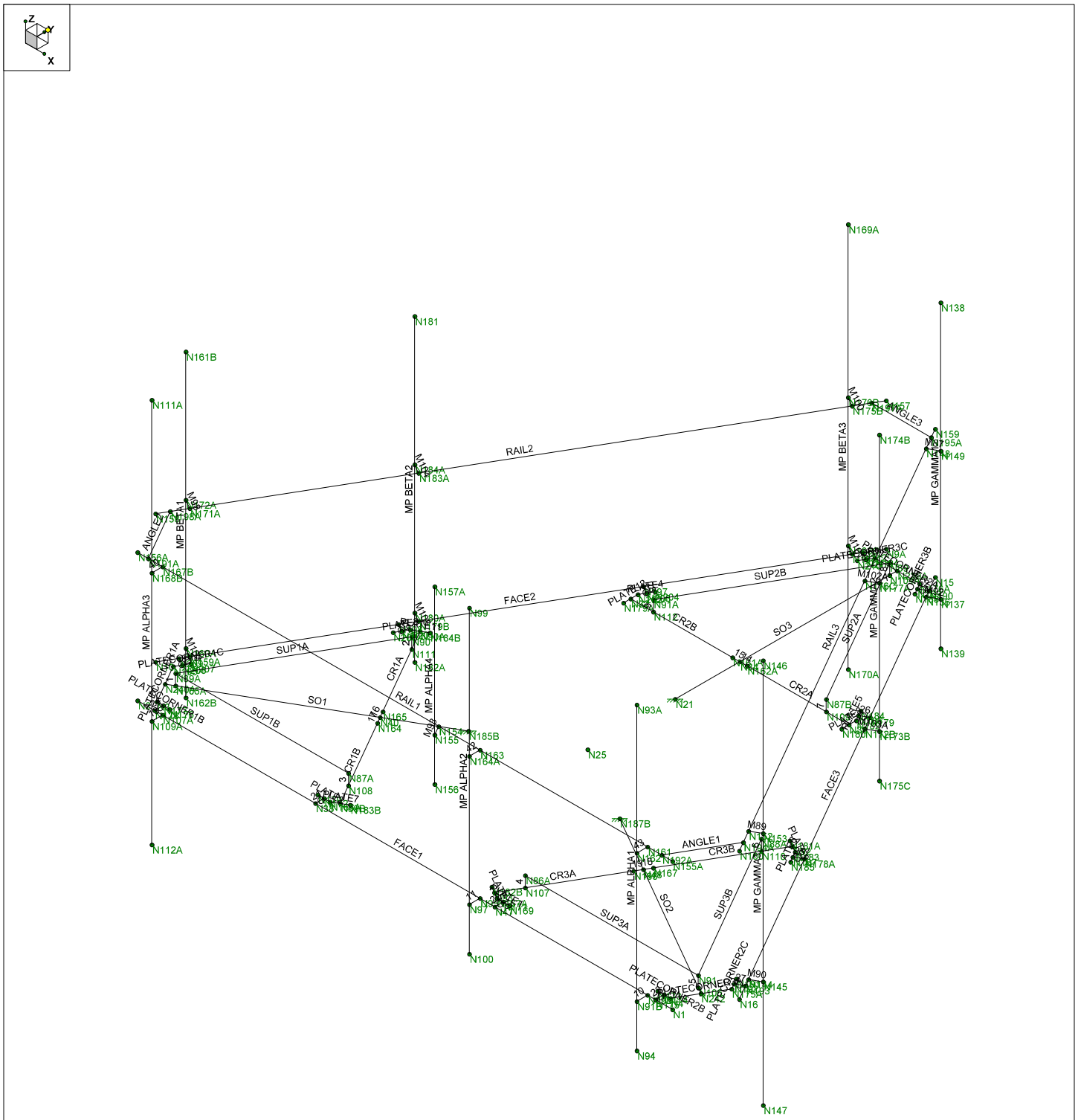
It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

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



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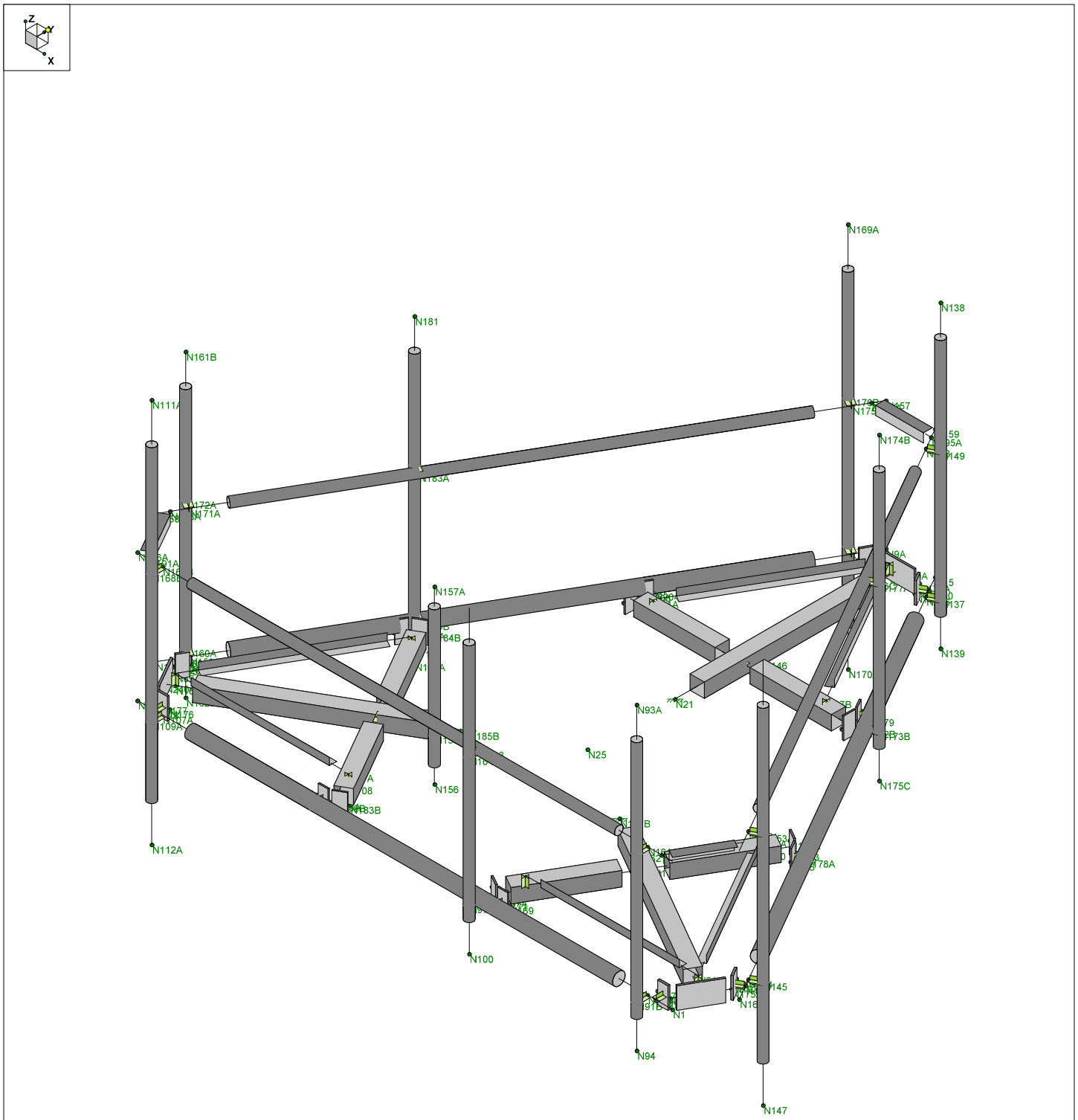
UT		June 25, 2020 at 3:06 PM
20-65932		876383.r3d



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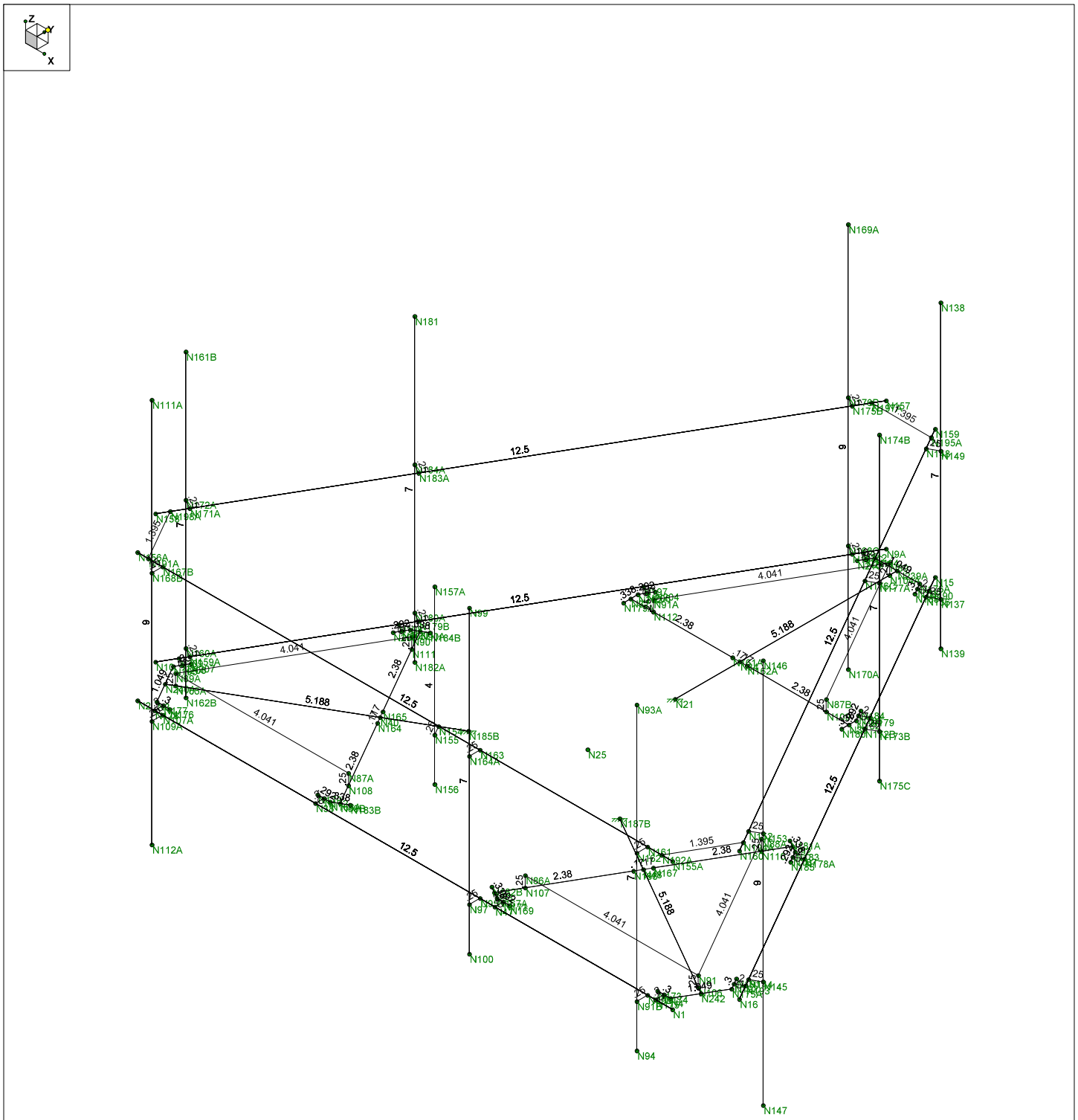
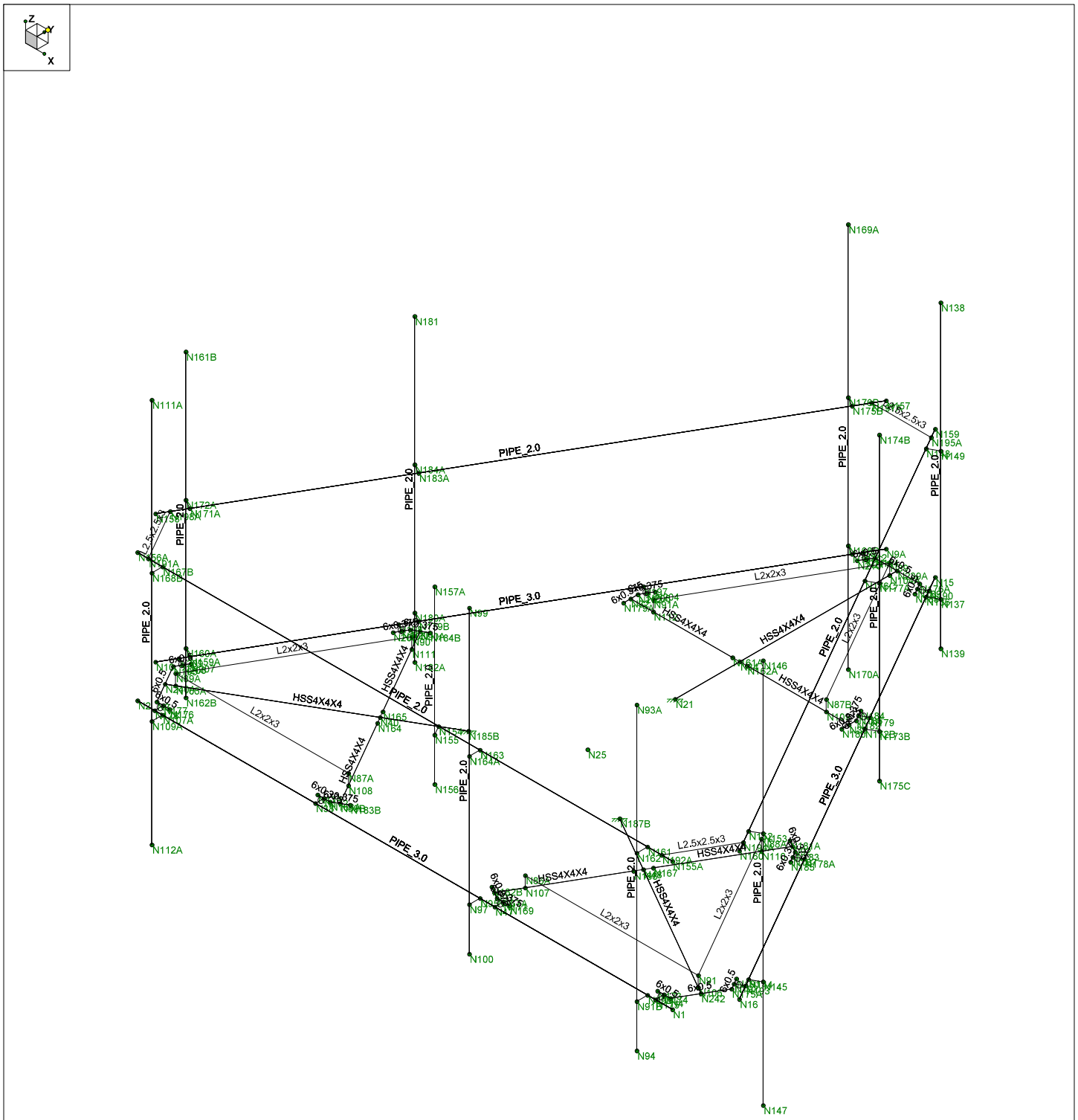
UT		June 25, 2020 at 3:06 PM
20-65932		876383.r3d



Member Length (ft) Displayed

POD	876383	SK - 4
UT		June 25, 2020 at 3:07 PM
20-65932		876383.r3d



POD	876383	SK - 3
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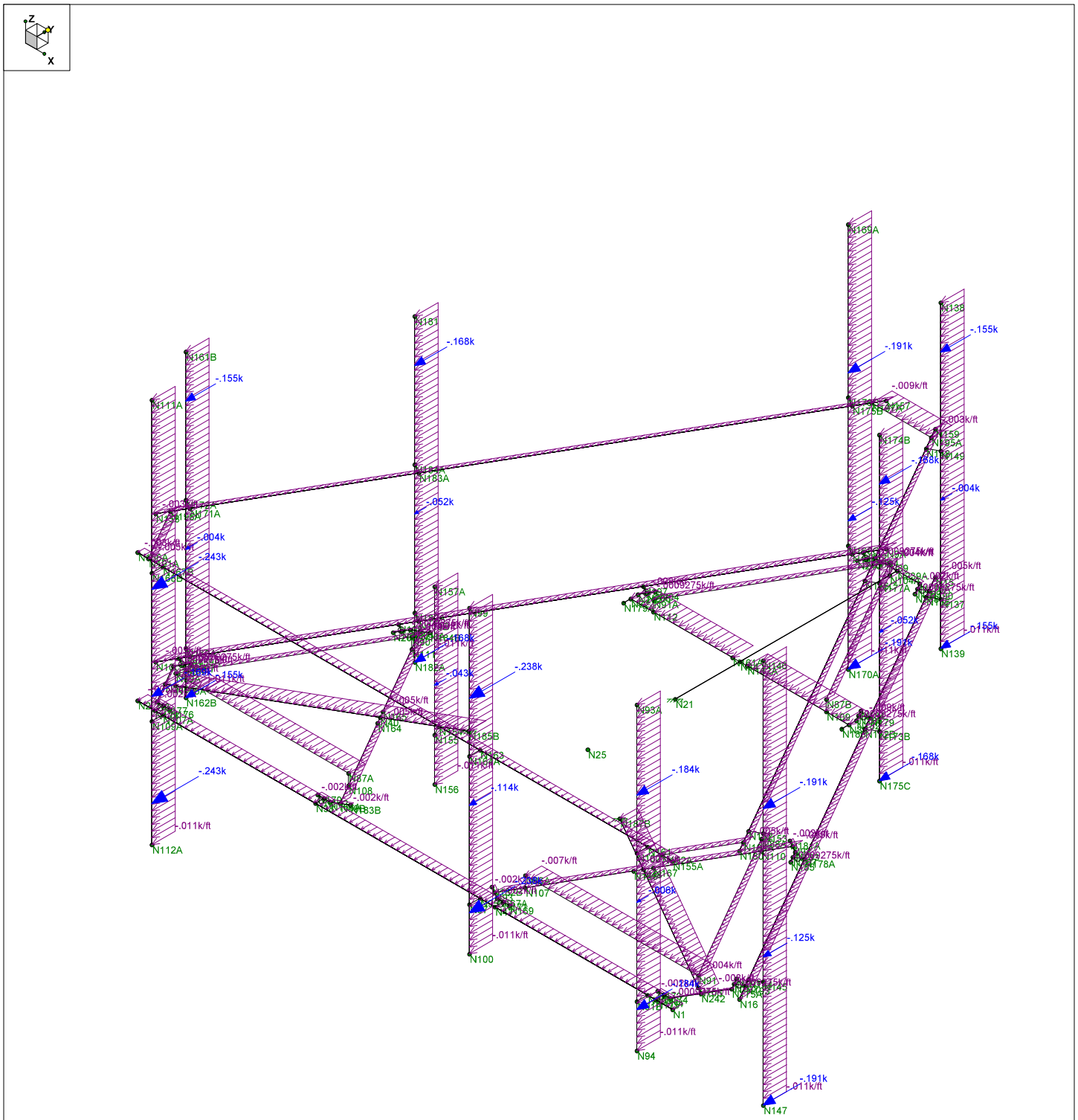
20-65932		876383.r3d



Loads: BLC 2, Wind Load (0)

POD	876383	SK - 5
UT		June 25, 2020 at 3:07 PM
20-65932		876383.r3d

APPENDIX B

Software Input Calculations

POD Job #	**20-65932**
Site Number	**876383**
Site Name	**CLINTON / ANDERSON'S PROPERTY**

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1
V (Wind Speed)	123	I(ice)	1	Sms	0.334
Z_s	293			Sm1	0.130
ti	1	Ss	0.209	Sds	0.223
Vi	50	S1	0.054	Sd1	0.086
Kzt	1	Soil Site Class	D	Seismic Design Category	
Exposure	B	Fa	1.600	B	
zg	1200	Fv	2.400	Seismic Analysis Not Required	
α	7			R	2 TIA-222-H 16.7
Kmin	0.7	Tower Type	Monopole	As	1 TIA-222-H 16.7
G_H	1	Tower Height	150	Cs, Min	0.03 TIA-222-H 2.7.7.1.1
Ke	0.99			Cs	0.111466667 TIA-222-H 2.7.7.1.1
K_D	0.95				
K_e	0.9				

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity		MP #
DMP65R-BU6D			143	3	52	0	A	1	2	
DMP65R-BU8D			143	3	72	0	B/C	1	2	
HPA-65R-BUU-H6			143	3	52	0	A	1	1	
HPA-65R-BUU-H8			143	3	72	0	B/C	1	1	
OPA65R-BU6D			143	3	52	0	A	1	3	
OPA65R-BU8D			143	3	72	0	B/C	1	3	
RRUS 32 B2			143	3	0	0	A/B/C	1	3	
RRUS 4449 B5/B12			143	3	0	0	A/B/C	1	3	
RRUS 4478 B14_CCIV2			143	3	0	0	A/B/C	1	2	
DC6-48-60-18-8C-EV			143	3	0	0	A	1	2	
DC6-48-60-18-8F			143	2	0	0	A	1	4	
1001940			143	3	0	0	A/B/C	1	1	

Mount Information

Elevation (ft)	140	Grating Thickness (in)	1
K_z	1.09	Grating Ice Weight (k/ft^)	0.014
Kiz	1.16		
tiz	1.16		

	Length (ft)	Width (in)	Centerline
Mount Pipes	8	2.375	140

Round Members

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

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D		Frame Member	# of Members
Support	4.041	2	Angle	2	0.1875				No	6
Standoff	5.188	4	Square HSS	4	0.25	4			No	3
Plate	1.049	0.5	Channel	0	6	0	0.5		No	21
Corner	2.38	4	Square HSS	4	0.25	4			No	6
Angle	1.395	2.5	Angle	2.5	0.1875				No	3

Version 3.2

Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
DMP65R-BU6D	71.2	20.7	7.7	89.3	1.09	39.85	11.93	4.48	0.475	0.178	0.401	0.401	0.178
DMP65R-BU8D	96.0	20.7	7.7	105.6	1.09	39.85	15.86	5.95	0.632	0.237	0.533	0.533	0.237
HPA-65R-BUU-H6	72.0	14.8	9.0	47.9	1.09	39.85	9.22	4.65	0.367	0.185	0.322	0.322	0.185
HPA-65R-BUU-H8	92.4	14.8	7.4	73.0	1.09	39.85	12.26	6.30	0.489	0.251	0.429	0.429	0.251
OPA65R-BU6D	71.2	21.0	7.8	63.5	1.09	39.85	12.22	4.54	0.487	0.181	0.410	0.410	0.181
OPA65R-BU8D	96.0	21.0	7.8	76.5	1.09	39.85	16.28	7.38	0.649	0.294	0.560	0.560	0.294
RRUS 32 B2	27.2	12.1	7.0	52.9	1.09	39.85	2.46	1.50	0.098	0.060	0.088	0.088	0.060
RRUS 4449 B5/B12	17.9	13.2	9.4	71.0	1.09	39.85	1.77	1.27	0.071	0.051	0.066	0.066	0.051
RRUS 4478 B14_CCIV2	18.1	13.4	8.3	59.4	1.09	39.85	1.82	1.12	0.072	0.045	0.066	0.066	0.045
DC6-48-60-18-8C-EV	31.4	10.2	10.2	26.2	1.09	39.85	1.03	1.14	0.041	0.046	0.042	0.042	0.046

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
DMP65R-BU6D	1.16	73.52	23.02	10.02	181.44	1.16	6.58	12.33	5.40	0.081	0.036	0.070	0.070	0.036
DMP65R-BU8D	1.16	98.32	23.02	10.02	238.61	1.16	6.58	16.26	7.12	0.107	0.047	0.092	0.092	0.047
HPA-65R-BUU-H6	1.16	74.32	17.12	11.32	155.66	1.16	6.58	9.94	5.70	0.065	0.038	0.058	0.058	0.038
HPA-65R-BUU-H8	1.16	94.72	17.12	9.72	182.49	1.16	6.58	13.08	7.58	0.086	0.050	0.077	0.077	0.050
OPA65R-BU6D	1.16	73.52	23.32	10.12	183.97	1.16	6.58	12.61	5.47	0.083	0.036	0.071	0.071	0.036
OPA65R-BU8D	1.16	98.32	23.32	10.12	241.89	1.16	6.58	10.58	5.35	0.070	0.035	0.061	0.061	0.035
RRUS 32 B2	1.16	29.52	14.37	9.32	53.66	1.16	6.58	1.86	1.23	0.012	0.008	0.011	0.011	0.008
RRUS 4449 B5/B12	1.16	20.22	15.51	11.76	47.19	1.16	6.58	1.37	1.04	0.009	0.007	0.008	0.008	0.007
RRUS 4478 B14_CCIV2	1.16	20.42	15.72	10.58	45.04	1.16	6.58	1.41	0.95	0.009	0.006	0.009	0.009	0.006
DC6-48-60-18-8C-EV	1.16	33.72	12.56	12.56	65.55	1.16	6.58	1.86	1.86	0.012	0.012	0.012	0.012	0.012
DC6-48-60-18-8F	1.16	33.57	13.32	13.32	70.34	1.16	6.58	1.96	1.96	0.013	0.013	0.013	0.013	0.013
1001940	1.16	8.02	6.02	4.02	5.11	1.16	6.58	0.21	0.14	0.001	0.001	0.001	0.001	0.001

Round Members

Member	Wind Calculations q_z (lb/ft^2)	Ar	C	Rr	Cf	EPA (ft^2)	Load (k/ft)	Ice Calculations Width (in)	Weight (k/ft)	q_z (lb/ft^2)	Arice	Rrice	Cf	EPA (ft^2)	Load (k/ft)
Rail On	39.61	4.95	24.75	0.61	1.20	1.62	0.005	4.69	0.00	6.54	9.76	0.71	1.20	3.73	0.002
Rail Off	39.61	2.47	24.75	0.61	1.20	1.62	0.003	4.69	0.00	6.54	4.88	0.71	1.20	3.73	0.001
Face On	39.61	7.29	36.47	0.61	1.20	2.39	0.008	5.81	0.01	6.54	12.11	0.71	1.20	4.62	0.002
Face Off	39.61	3.65	36.47	0.61	1.20	2.39	0.004	5.81	0.01	6.54	6.05	0.71	1.20	4.62	0.001

Flat Members

Member	Wind Calculations q_z (lb/ft^2)	Af	Cf	EPA	Load (k/ft)	Ice Calculations Width (in)	Weight (k/ft)	q_z (lb/ft^2)	Arice	Rrice	Cf	EPA	Load (k/ft)
Support	39.61	4.04	2.00	1.21	0.006	4.31	0.01	6.54	8.71	0.71	2.00	1.85	0.001
Standoff	39.61	5.19	1.25	1.95	0.007	6.31	0.01	6.54	8.19	0.71	1.25	2.17	0.001
Plate	39.61	0.92	2.00	0.08	0.001	2.81	0.01	6.54	5.16	0.71	2.00	0.31	0.001
Corner	39.61	4.76	1.25	0.89	0.007	6.31	0.01	6.54	7.51	0.71	1.25	1.00	0.001
Angle	39.61	0.87	2.00	0.52	0.007	4.81	0.01	6.54	1.68	0.71	2.00	0.71	0.002

Appurtenance Seismic Calculations

Model	Weight	Sds	ρ	Cs	As	Ev	Eh
DMP65R-BU6D	89.3	0.223	1.000	0.111	1.000	0.004	0.010
DMP65R-BU8D	105.6	0.223	1.000	0.111	1.000	0.005	0.012
HPA-65R-BUU-H6	47.9	0.223	1.000	0.111	1.000	0.002	0.005
HPA-65R-BUU-H8	73.0	0.223	1.000	0.111	1.000	0.003	0.008
OPA65R-BU6D	63.5	0.223	1.000	0.111	1.000	0.003	0.007
OPA65R-BU8D	76.5	0.223	1.000	0.111	1.000	0.003	0.009
RRUS 32 B2	52.9	0.223	1.000	0.111	1.000	0.002	0.006
RRUS 4449 B5/B12	71.0	0.223	1.000	0.111	1.000	0.003	0.008
RRUS 4478 B14_CCIV2	59.4	0.223	1.000	0.111	1.000	0.003	0.007
DC6-48-60-18-8C-EV	26.2	0.223	1.000	0.111	1.000	0.001	0.003
DC6-48-60-18-8F	32.8	0.223	1.000	0.111	1.000	0.001	0.004
1001940	2.0	0.223	1.000	0.111	1.000	0.000	0.000

Version 3.2

APPENDIX C

Software Analysis Output

Hot Rolled Steel Design Parameters

	Label	Shape	Lengt...	Lbyy[ft]	Lbzz[ft]	Lcomp t...	Lcomp b...	L-tor...	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	HSS4X4...	5.188			Lbyy						Lateral
8	SO2	HSS4X4...	5.188			Lbyy						Lateral
9	SO1	HSS4X4...	5.188			Lbyy						Lateral
10	PLATECORNER3C	6x0.5	.3			Lbyy						Lateral
11	PLATECORNER3B	6x0.5	.3			Lbyy						Lateral
12	PLATECORNER3A	6x0.5	1.049			Lbyy						Lateral
13	PLATECORNER2C	6x0.5	.3			Lbyy						Lateral
14	PLATECORNER2B	6x0.5	.3			Lbyy						Lateral
15	PLATECORNER2A	6x0.5	1.049			Lbyy						Lateral
16	PLATECORNER1C	6x0.5	.3			Lbyy						Lateral
17	PLATECORNER1B	6x0.5	.3			Lbyy						Lateral
18	PLATECORNER1A	6x0.5	1.049			Lbyy						Lateral
19	PLATE12	6x0.375	.338			Lbyy						Lateral
20	PLATE11	6x0.375	.338			Lbyy						Lateral
21	PLATE10	6x0.375	.338			Lbyy						Lateral
22	PLATE9	6x0.375	.338			Lbyy						Lateral
23	PLATE8	6x0.375	.338			Lbyy						Lateral
24	PLATE7	6x0.375	.338			Lbyy						Lateral
25	PLATE6	6x0.375	.292			Lbyy						Lateral
26	PLATE5	6x0.375	.292			Lbyy						Lateral
27	PLATE4	6x0.375	.292			Lbyy						Lateral
28	PLATE3	6x0.375	.292			Lbyy						Lateral
29	PLATE2	6x0.375	.292			Lbyy						Lateral
30	PLATE1	6x0.375	.292			Lbyy						Lateral
31	MP ALPHA3	PIPE_2.0	9			Lbyy						Lateral
32	MP ALPHA2	PIPE_2.0	7			Lbyy						Lateral
33	MP ALPHA1	PIPE_2.0	7			Lbyy						Lateral
34	RAIL3	PIPE_2.0	12.5			Lbyy						Lateral
35	RAIL2	PIPE_2.0	12.5			Lbyy						Lateral
36	RAIL1	PIPE_2.0	12.5			Lbyy						Lateral
37	FACE3	PIPE_3.0	12.5			Lbyy						Lateral
38	FACE2	PIPE_3.0	12.5			Lbyy						Lateral
39	FACE1	PIPE_3.0	12.5			Lbyy						Lateral
40	CR3B	HSS4X4...	2.38			Lbyy						Lateral
41	CR3A	HSS4X4...	2.38			Lbyy						Lateral
42	CR2B	HSS4X4...	2.38			Lbyy						Lateral
43	CR2A	HSS4X4...	2.38			Lbyy						Lateral
44	CR1B	HSS4X4...	2.38			Lbyy						Lateral
45	CR1A	HSS4X4...	2.38			Lbyy						Lateral
46	ANGLE3	L2.5x2.5...	1.395			Lbyy						Lateral
47	ANGLE2	L2.5x2.5...	1.395			Lbyy						Lateral
48	ANGLE1	L2.5x2.5...	1.395			Lbyy						Lateral
49	MP GAMMA3	PIPE_2.0	9			Lbyy						Lateral
50	MP GAMMA2	PIPE_2.0	7			Lbyy						Lateral
51	MP GAMMA1	PIPE_2.0	7			Lbyy						Lateral
52	MP ALPHA4	PIPE_2.0	4			Lbyy						Lateral
53	MP BETA3	PIPE_2.0	9			Lbyy						Lateral
54	MP BETA2	PIPE_2.0	7			Lbyy						Lateral
55	MP BETA1	PIPE_2.0	7			Lbyy						Lateral

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	6x0.5	Beam	RECT	A36 Gr.36	Typical
11	PLATECO...	N188	N176A		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
12	PLATECO...	N4	N175A		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
13	PLATECO...	N175A	N191		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
14	PLATECO...	N173	N4		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
15	PLATECO...	N176A	N194		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
16	PLATECO...	N207	N195		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
17	PLATECO...	N3	N176		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
18	PLATECO...	N195	N3		90	6x0.5	Beam	RECT	A36 Gr.36	Typical
19	PLATE12	N179A	N202		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
20	PLATE11	N184B	N201		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
21	PLATE10	N182B	N167A		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
22	PLATE9	N181A	N183		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
23	PLATE8	N180	N182		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
24	PLATE7	N183B	N168A		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
25	PLATE6	N185	N183		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
26	PLATE5	N182	N184		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
27	PLATE4	N204	N202		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
28	PLATE3	N201	N203		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
29	PLATE2	N170	N168A		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
30	PLATE1	N167A	N169		90	6x0.375	Beam	RECT	A36 Gr.36	Typical
31	MP ALPHA3	N112A	N111A			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
32	MP ALPHA2	N100	N99			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
33	MP ALPHA1	N94	N93A			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
34	RAIL3	N159	N160			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
35	RAIL2	N158	N157			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
36	RAIL1	N156A	N155A			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
37	FACE3	N15	N16			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
38	FACE2	N10	N9A			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
39	FACE1	N2	N1			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
40	CR3B	N92	N167			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
41	CR3A	N168	N93			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
42	CR2B	N32	N161A			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
43	CR2A	N33	N162A			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
44	CR1B	N164	N89B			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
45	CR1A	N165	N90A			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
46	ANGLE3	N197A	N195A		270	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
47	ANGLE2	N191A	N198A		90	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
48	ANGLE1	N194A	N192A		90	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
49	52	N189	N190			RIGID	None	None	RIGID	Typical
50	43	N161	N162			RIGID	None	None	RIGID	Typical
51	42	N163	N164A			RIGID	None	None	RIGID	Typical
52	40	N167B	N168B			RIGID	None	None	RIGID	Typical
53	31	N211	N212			RIGID	None	None	RIGID	Typical
54	30	N208	N209			RIGID	None	None	RIGID	Typical
55	29	N205	N198			RIGID	None	None	RIGID	Typical
56	28	N206	N197			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design R...
57	27	N192	N193			RIGID	None	None	RIGID	Typical
58	26	N186	N179			RIGID	None	None	RIGID	Typical
59	25	N187	N178A			RIGID	None	None	RIGID	Typical
60	24	N177	N178			RIGID	None	None	RIGID	Typical
61	23	N174	N175			RIGID	None	None	RIGID	Typical
62	22	N171	N47			RIGID	None	None	RIGID	Typical
63	21	N172	N38			RIGID	None	None	RIGID	Typical
64	19	N48	N168			RIGID	None	None	RIGID	Typical
65	18	N167	N48			RIGID	None	None	RIGID	Typical
66	17	N164	N40			RIGID	None	None	RIGID	Typical
67	16	N165	N40			RIGID	None	None	RIGID	Typical
68	15	N34	N161A			RIGID	None	None	RIGID	Typical
69	14	N34	N162A			RIGID	None	None	RIGID	Typical
70	13	N107A	N109A			RIGID	None	None	RIGID	Typical
71	11	N95	N97			RIGID	None	None	RIGID	Typical
72	10	N89D	N91B			RIGID	None	None	RIGID	Typical
73	9	N112	N91A			RIGID	None	None	RIGID	Typical
74	8	N104A	N89			RIGID	None	None	RIGID	Typical
75	7	N109	N87B			RIGID	None	None	RIGID	Typical
76	6	N110	N88A			RIGID	None	None	RIGID	Typical
77	5	N106	N91			RIGID	None	None	RIGID	Typical
78	4	N107	N86A			RIGID	None	None	RIGID	Typical
79	3	N108	N87A			RIGID	None	None	RIGID	Typical
80	2	N111	N90			RIGID	None	None	RIGID	Typical
81	1	N105A	N89A			RIGID	None	None	RIGID	Typical
82	MP GAMM...	N147	N146			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
83	MP GAMM...	N175C	N174B			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
84	MP GAMM...	N139	N138			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
85	M87	N148	N149			RIGID	None	None	RIGID	Typical
86	M89	N152	N153			RIGID	None	None	RIGID	Typical
87	M90	N144	N145			RIGID	None	None	RIGID	Typical
88	M92	N136	N137			RIGID	None	None	RIGID	Typical
89	M93	N154	N155			RIGID	None	None	RIGID	Typical
90	MP ALPHA4	N156	N157A			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
91	MP BETA3	N170A	N169A			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
92	MP BETA2	N182A	N181			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
93	MP BETA1	N162B	N161B			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
94	M98	N171A	N172A			RIGID	None	None	RIGID	Typical
95	M100	N175B	N176B			RIGID	None	None	RIGID	Typical
96	M101	N167C	N168C			RIGID	None	None	RIGID	Typical
97	M103	N159A	N160A			RIGID	None	None	RIGID	Typical
98	M102A	N176C	N177A			RIGID	None	None	RIGID	Typical
99	M103A	N172B	N173B			RIGID	None	None	RIGID	Typical
100	M104	N183A	N184A			RIGID	None	None	RIGID	Typical
101	M105	N179B	N180A			RIGID	None	None	RIGID	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

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...
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 ALP...						Yes				None
32	MP ALP...						Yes				None
33	MP ALP...						Yes				None
34	RAIL3						Yes				None
35	RAIL2						Yes				None
36	RAIL1						Yes				None
37	FACE3						Yes				None
38	FACE2						Yes				None
39	FACE1						Yes				None
40	CR3B						Yes				None
41	CR3A						Yes				None
42	CR2B						Yes				None
43	CR2A						Yes				None
44	CR1B						Yes				None
45	CR1A						Yes				None
46	ANGLE3						Yes				None
47	ANGLE2						Yes				None
48	ANGLE1						Yes				None
49	52		OOOXOO				Yes	** NA **			None
50	43						Yes	** NA **			None
51	42						Yes	** NA **			None
52	40						Yes	** NA **			None
53	31		OOOXOO				Yes	** NA **			None
54	30		OOOXOO				Yes	** NA **			None
55	29		OOOXOO				Yes	** NA **			None
56	28		OOOXOO				Yes	** NA **			None
57	27		OOOXOO				Yes	** NA **			None
58	26		OOOXOO				Yes	** NA **			None
59	25		OOOXOO				Yes	** NA **			None
60	24		OOOXOO				Yes	** NA **			None
61	23		OOOXOO				Yes	** NA **			None
62	22		OOOXOO				Yes	** NA **			None
63	21		OOOXOO				Yes	** NA **			None
64	19						Yes	** NA **			None

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...
65	18						Yes	** NA **			None
66	17						Yes	** NA **			None
67	16						Yes	** NA **			None
68	15						Yes	** NA **			None
69	14						Yes	** NA **			None
70	13						Yes	** NA **			None
71	11						Yes	** NA **			None
72	10						Yes	** NA **			None
73	9						Yes	** NA **			None
74	8						Yes	** NA **			None
75	7						Yes	** NA **			None
76	6						Yes	** NA **			None
77	5						Yes	** NA **			None
78	4						Yes	** NA **			None
79	3						Yes	** NA **			None
80	2						Yes	** NA **			None
81	1						Yes	** NA **			None
82	MP GAM...						Yes				None
83	MP GAM...						Yes				None
84	MP GAM...						Yes				None
85	M87						Yes	** NA **			None
86	M89						Yes	** NA **			None
87	M90						Yes	** NA **			None
88	M92						Yes	** NA **			None
89	M93						Yes	** NA **			None
90	MP ALP...						Yes				None
91	MP BETA3						Yes				None
92	MP BETA2						Yes				None
93	MP BETA1						Yes				None
94	M98						Yes	** NA **			None
95	M100						Yes	** NA **			None
96	M101						Yes	** NA **			None
97	M103						Yes	** NA **			None
98	M102A						Yes	** NA **			None
99	M103A						Yes	** NA **			None
100	M104						Yes	** NA **			None
101	M105						Yes	** NA **			None

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	FACE1	Z	-.5	0

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.238	5.167
2	MP ALPHA2	Y	-.238	.833
3	MP BETA2	Y	-.168	6
4	MP BETA2	Y	-.168	0
5	MP GAMMA2	Y	-.168	6
6	MP GAMMA2	Y	-.168	0
7	MP ALPHA1	Y	-.184	5.167
8	MP ALPHA1	Y	-.184	.833
9	MP BETA1	Y	-.155	6
10	MP BETA1	Y	-.155	0
11	MP GAMMA1	Y	-.155	6
12	MP GAMMA1	Y	-.155	0
13	MP ALPHA3	Y	-.243	5.167
14	MP ALPHA3	Y	-.243	.833
15	MP BETA3	Y	-.191	6
16	MP BETA3	Y	-.191	0
17	MP GAMMA3	Y	-.191	6
18	MP GAMMA3	Y	-.191	0
19	MP ALPHA3	Y	-.098	3
20	MP BETA3	Y	-.069	3
21	MP GAMMA3	Y	-.069	3
22	MP ALPHA3	Y	-.071	3
23	MP BETA3	Y	-.056	3
24	MP GAMMA3	Y	-.056	3
25	MP ALPHA2	Y	-.072	3
26	MP BETA2	Y	-.052	3
27	MP GAMMA2	Y	-.052	3
28	MP ALPHA2	Y	-.041	3
29	MP ALPHA4	Y	-.043	2
30	MP ALPHA1	Y	-.006	3
31	MP BETA1	Y	-.004	3
32	MP GAMMA1	Y	-.004	3

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Z	-.045	5.167
2	MP ALPHA2	Z	-.045	.833
3	MP BETA2	Z	-.053	6
4	MP BETA2	Z	-.053	0
5	MP GAMMA2	Z	-.053	6
6	MP GAMMA2	Z	-.053	0
7	MP ALPHA1	Z	-.024	5.167
8	MP ALPHA1	Z	-.024	.833
9	MP BETA1	Z	-.036	6
10	MP BETA1	Z	-.036	0
11	MP GAMMA1	Z	-.036	6
12	MP GAMMA1	Z	-.036	0
13	MP ALPHA3	Z	-.032	5.167
14	MP ALPHA3	Z	-.032	.833
15	MP BETA3	Z	-.038	6
16	MP BETA3	Z	-.038	0
17	MP GAMMA3	Z	-.038	6
18	MP GAMMA3	Z	-.038	0
19	MP ALPHA3	Z	-.053	3
20	MP BETA3	Z	-.053	3
21	MP GAMMA3	Z	-.053	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP ALPHA3	Z	-.071	3
23	MP BETA3	Z	-.071	3
24	MP GAMMA3	Z	-.071	3
25	MP ALPHA2	Z	-.059	3
26	MP BETA2	Z	-.059	3
27	MP GAMMA2	Z	-.059	3
28	MP ALPHA2	Z	-.026	3
29	MP ALPHA4	Z	-.033	2
30	MP ALPHA1	Z	-.002	3
31	MP BETA1	Z	-.002	3
32	MP GAMMA1	Z	-.002	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.174	5.167
2	MP ALPHA2	Y	-.174	.833
3	MP ALPHA2	X	-.1	5.167
4	MP ALPHA2	X	-.1	.833
5	MP BETA2	Y	-.103	6
6	MP BETA2	Y	-.103	0
7	MP BETA2	X	-.059	6
8	MP BETA2	X	-.059	0
9	MP GAMMA2	Y	-.231	6
10	MP GAMMA2	Y	-.231	0
11	MP GAMMA2	X	-.133	6
12	MP GAMMA2	X	-.133	0
13	MP ALPHA1	Y	-.139	5.167
14	MP ALPHA1	Y	-.139	.833
15	MP ALPHA1	X	-.08	5.167
16	MP ALPHA1	X	-.08	.833
17	MP BETA1	Y	-.109	6
18	MP BETA1	Y	-.109	0
19	MP BETA1	X	-.063	6
20	MP BETA1	X	-.063	0
21	MP GAMMA1	Y	-.186	6
22	MP GAMMA1	Y	-.186	0
23	MP GAMMA1	X	-.107	6
24	MP GAMMA1	X	-.107	0
25	MP ALPHA3	Y	-.178	5.167
26	MP ALPHA3	Y	-.178	.833
27	MP ALPHA3	X	-.103	5.167
28	MP ALPHA3	X	-.103	.833
29	MP BETA3	Y	-.127	6
30	MP BETA3	Y	-.127	0
31	MP BETA3	X	-.074	6
32	MP BETA3	X	-.074	0
33	MP GAMMA3	Y	-.243	6
34	MP GAMMA3	Y	-.243	0
35	MP GAMMA3	X	-.14	6
36	MP GAMMA3	X	-.14	0
37	MP ALPHA3	Y	-.077	3
38	MP ALPHA3	X	-.044	3
39	MP BETA3	Y	-.052	3
40	MP BETA3	X	-.03	3
41	MP GAMMA3	Y	-.077	3
42	MP GAMMA3	X	-.044	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
43	MP ALPHA3	Y	-.057	3
44	MP ALPHA3	X	-.033	3
45	MP BETA3	Y	-.044	3
46	MP BETA3	X	-.025	3
47	MP GAMMA3	Y	-.057	3
48	MP GAMMA3	X	-.033	3
49	MP ALPHA2	Y	-.057	3
50	MP ALPHA2	X	-.033	3
51	MP BETA2	Y	-.039	3
52	MP BETA2	X	-.022	3
53	MP GAMMA2	Y	-.057	3
54	MP GAMMA2	X	-.033	3
55	MP ALPHA2	Y	-.037	3
56	MP ALPHA2	X	-.021	3
57	MP ALPHA4	Y	-.039	2
58	MP ALPHA4	X	-.022	2
59	MP ALPHA1	Y	-.005	3
60	MP ALPHA1	X	-.003	3
61	MP BETA1	Y	-.003	3
62	MP BETA1	X	-.001	3
63	MP GAMMA1	Y	-.005	3
64	MP GAMMA1	X	-.003	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.063	5.167
2	MP ALPHA2	Y	-.063	.833
3	MP ALPHA2	X	-.109	5.167
4	MP ALPHA2	X	-.109	.833
5	MP BETA2	Y	-.084	6
6	MP BETA2	Y	-.084	0
7	MP BETA2	X	-.145	6
8	MP BETA2	X	-.145	0
9	MP GAMMA2	Y	-.158	6
10	MP GAMMA2	Y	-.158	0
11	MP GAMMA2	X	-.274	6
12	MP GAMMA2	X	-.274	0
13	MP ALPHA1	Y	-.058	5.167
14	MP ALPHA1	Y	-.058	.833
15	MP ALPHA1	X	-.1	5.167
16	MP ALPHA1	X	-.1	.833
17	MP BETA1	Y	-.078	6
18	MP BETA1	Y	-.078	0
19	MP BETA1	X	-.134	6
20	MP BETA1	X	-.134	0
21	MP GAMMA1	Y	-.122	6
22	MP GAMMA1	Y	-.122	0
23	MP GAMMA1	X	-.212	6
24	MP GAMMA1	X	-.212	0
25	MP ALPHA3	Y	-.064	5.167
26	MP ALPHA3	Y	-.064	.833
27	MP ALPHA3	X	-.111	5.167
28	MP ALPHA3	X	-.111	.833
29	MP BETA3	Y	-.096	6
30	MP BETA3	Y	-.096	0
31	MP BETA3	X	-.166	6

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
32	MP BETA3	X	-.166	0
33	MP GAMMA3	Y	-.162	6
34	MP GAMMA3	Y	-.162	0
35	MP GAMMA3	X	-.281	6
36	MP GAMMA3	X	-.281	0
37	MP ALPHA3	Y	-.035	3
38	MP ALPHA3	X	-.06	3
39	MP BETA3	Y	-.035	3
40	MP BETA3	X	-.06	3
41	MP GAMMA3	Y	-.049	3
42	MP GAMMA3	X	-.085	3
43	MP ALPHA3	Y	-.028	3
44	MP ALPHA3	X	-.048	3
45	MP BETA3	Y	-.028	3
46	MP BETA3	X	-.048	3
47	MP GAMMA3	Y	-.035	3
48	MP GAMMA3	X	-.061	3
49	MP ALPHA2	Y	-.026	3
50	MP ALPHA2	X	-.045	3
51	MP BETA2	Y	-.026	3
52	MP BETA2	X	-.045	3
53	MP GAMMA2	Y	-.036	3
54	MP GAMMA2	X	-.063	3
55	MP ALPHA2	Y	-.022	3
56	MP ALPHA2	X	-.039	3
57	MP ALPHA4	Y	-.024	2
58	MP ALPHA4	X	-.041	2
59	MP ALPHA1	Y	-.002	3
60	MP ALPHA1	X	-.003	3
61	MP BETA1	Y	-.002	3
62	MP BETA1	X	-.003	3
63	MP GAMMA1	Y	-.003	3
64	MP GAMMA1	X	-.005	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	X	-.089	5.167
2	MP ALPHA2	X	-.089	.833
3	MP BETA2	X	-.267	6
4	MP BETA2	X	-.267	0
5	MP GAMMA2	X	-.267	6
6	MP GAMMA2	X	-.267	0
7	MP ALPHA1	X	-.093	5.167
8	MP ALPHA1	X	-.093	.833
9	MP BETA1	X	-.215	6
10	MP BETA1	X	-.215	0
11	MP GAMMA1	X	-.215	6
12	MP GAMMA1	X	-.215	0
13	MP ALPHA3	X	-.091	5.167
14	MP ALPHA3	X	-.091	.833
15	MP BETA3	X	-.28	6
16	MP BETA3	X	-.28	0
17	MP GAMMA3	X	-.28	6
18	MP GAMMA3	X	-.28	0
19	MP ALPHA3	X	-.06	3
20	MP BETA3	X	-.088	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
21	MP GAMMA3	X	-.088	3
22	MP ALPHA3	X	-.051	3
23	MP BETA3	X	-.066	3
24	MP GAMMA3	X	-.066	3
25	MP ALPHA2	X	-.045	3
26	MP BETA2	X	-.066	3
27	MP GAMMA2	X	-.066	3
28	MP ALPHA2	X	-.046	3
29	MP ALPHA4	X	-.048	2
30	MP ALPHA1	X	-.003	3
31	MP BETA1	X	-.005	3
32	MP GAMMA1	X	-.005	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.063	5.167
2	MP ALPHA2	Y	.063	.833
3	MP ALPHA2	X	-.109	5.167
4	MP ALPHA2	X	-.109	.833
5	MP BETA2	Y	.158	6
6	MP BETA2	Y	.158	0
7	MP BETA2	X	-.274	6
8	MP BETA2	X	-.274	0
9	MP GAMMA2	Y	.084	6
10	MP GAMMA2	Y	.084	0
11	MP GAMMA2	X	-.145	6
12	MP GAMMA2	X	-.145	0
13	MP ALPHA1	Y	.058	5.167
14	MP ALPHA1	Y	.058	.833
15	MP ALPHA1	X	-.1	5.167
16	MP ALPHA1	X	-.1	.833
17	MP BETA1	Y	.122	6
18	MP BETA1	Y	.122	0
19	MP BETA1	X	-.212	6
20	MP BETA1	X	-.212	0
21	MP GAMMA1	Y	.078	6
22	MP GAMMA1	Y	.078	0
23	MP GAMMA1	X	-.134	6
24	MP GAMMA1	X	-.134	0
25	MP ALPHA3	Y	.064	5.167
26	MP ALPHA3	Y	.064	.833
27	MP ALPHA3	X	-.111	5.167
28	MP ALPHA3	X	-.111	.833
29	MP BETA3	Y	.162	6
30	MP BETA3	Y	.162	0
31	MP BETA3	X	-.281	6
32	MP BETA3	X	-.281	0
33	MP GAMMA3	Y	.096	6
34	MP GAMMA3	Y	.096	0
35	MP GAMMA3	X	-.166	6
36	MP GAMMA3	X	-.166	0
37	MP ALPHA3	Y	.035	3
38	MP ALPHA3	X	-.06	3
39	MP BETA3	Y	.049	3
40	MP BETA3	X	-.085	3
41	MP GAMMA3	Y	.035	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
42	MP GAMMA3	X	-.06	3
43	MP ALPHA3	Y	.028	3
44	MP ALPHA3	X	-.048	3
45	MP BETA3	Y	.035	3
46	MP BETA3	X	-.061	3
47	MP GAMMA3	Y	.028	3
48	MP GAMMA3	X	-.048	3
49	MP ALPHA2	Y	.026	3
50	MP ALPHA2	X	-.045	3
51	MP BETA2	Y	.036	3
52	MP BETA2	X	-.063	3
53	MP GAMMA2	Y	.026	3
54	MP GAMMA2	X	-.045	3
55	MP ALPHA2	Y	.022	3
56	MP ALPHA2	X	-.039	3
57	MP ALPHA4	Y	.024	2
58	MP ALPHA4	X	-.041	2
59	MP ALPHA1	Y	.002	3
60	MP ALPHA1	X	-.003	3
61	MP BETA1	Y	.003	3
62	MP BETA1	X	-.005	3
63	MP GAMMA1	Y	.002	3
64	MP GAMMA1	X	-.003	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.174	5.167
2	MP ALPHA2	Y	.174	.833
3	MP ALPHA2	X	-.1	5.167
4	MP ALPHA2	X	-.1	.833
5	MP BETA2	Y	.231	6
6	MP BETA2	Y	.231	0
7	MP BETA2	X	-.133	6
8	MP BETA2	X	-.133	0
9	MP GAMMA2	Y	.103	6
10	MP GAMMA2	Y	.103	0
11	MP GAMMA2	X	-.059	6
12	MP GAMMA2	X	-.059	0
13	MP ALPHA1	Y	.139	5.167
14	MP ALPHA1	Y	.139	.833
15	MP ALPHA1	X	-.08	5.167
16	MP ALPHA1	X	-.08	.833
17	MP BETA1	Y	.186	6
18	MP BETA1	Y	.186	0
19	MP BETA1	X	-.107	6
20	MP BETA1	X	-.107	0
21	MP GAMMA1	Y	.109	6
22	MP GAMMA1	Y	.109	0
23	MP GAMMA1	X	-.063	6
24	MP GAMMA1	X	-.063	0
25	MP ALPHA3	Y	.178	5.167
26	MP ALPHA3	Y	.178	.833
27	MP ALPHA3	X	-.103	5.167
28	MP ALPHA3	X	-.103	.833
29	MP BETA3	Y	.243	6
30	MP BETA3	Y	.243	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
31	MP BETA3	X	-.14	6
32	MP BETA3	X	-.14	0
33	MP GAMMA3	Y	.127	6
34	MP GAMMA3	Y	.127	0
35	MP GAMMA3	X	-.074	6
36	MP GAMMA3	X	-.074	0
37	MP ALPHA3	Y	.077	3
38	MP ALPHA3	X	-.044	3
39	MP BETA3	Y	.077	3
40	MP BETA3	X	-.044	3
41	MP GAMMA3	Y	.052	3
42	MP GAMMA3	X	-.03	3
43	MP ALPHA3	Y	.057	3
44	MP ALPHA3	X	-.033	3
45	MP BETA3	Y	.057	3
46	MP BETA3	X	-.033	3
47	MP GAMMA3	Y	.044	3
48	MP GAMMA3	X	-.025	3
49	MP ALPHA2	Y	.057	3
50	MP ALPHA2	X	-.033	3
51	MP BETA2	Y	.057	3
52	MP BETA2	X	-.033	3
53	MP GAMMA2	Y	.039	3
54	MP GAMMA2	X	-.022	3
55	MP ALPHA2	Y	.037	3
56	MP ALPHA2	X	-.021	3
57	MP ALPHA4	Y	.039	2
58	MP ALPHA4	X	-.022	2
59	MP ALPHA1	Y	.005	3
60	MP ALPHA1	X	-.003	3
61	MP BETA1	Y	.005	3
62	MP BETA1	X	-.003	3
63	MP GAMMA1	Y	.003	3
64	MP GAMMA1	X	-.001	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.238	5.167
2	MP ALPHA2	Y	.238	.833
3	MP BETA2	Y	.168	6
4	MP BETA2	Y	.168	0
5	MP GAMMA2	Y	.168	6
6	MP GAMMA2	Y	.168	0
7	MP ALPHA1	Y	.184	5.167
8	MP ALPHA1	Y	.184	.833
9	MP BETA1	Y	.155	6
10	MP BETA1	Y	.155	0
11	MP GAMMA1	Y	.155	6
12	MP GAMMA1	Y	.155	0
13	MP ALPHA3	Y	.243	5.167
14	MP ALPHA3	Y	.243	.833
15	MP BETA3	Y	.191	6
16	MP BETA3	Y	.191	0
17	MP GAMMA3	Y	.191	6
18	MP GAMMA3	Y	.191	0
19	MP ALPHA3	Y	.098	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP BETA3	Y	.069	3
21	MP GAMMA3	Y	.069	3
22	MP ALPHA3	Y	.071	3
23	MP BETA3	Y	.056	3
24	MP GAMMA3	Y	.056	3
25	MP ALPHA2	Y	.072	3
26	MP BETA2	Y	.052	3
27	MP GAMMA2	Y	.052	3
28	MP ALPHA2	Y	.041	3
29	MP ALPHA4	Y	.043	2
30	MP ALPHA1	Y	.006	3
31	MP BETA1	Y	.004	3
32	MP GAMMA1	Y	.004	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.174	5.167
2	MP ALPHA2	Y	.174	.833
3	MP ALPHA2	X	.1	5.167
4	MP ALPHA2	X	.1	.833
5	MP BETA2	Y	.103	6
6	MP BETA2	Y	.103	0
7	MP BETA2	X	.059	6
8	MP BETA2	X	.059	0
9	MP GAMMA2	Y	.231	6
10	MP GAMMA2	Y	.231	0
11	MP GAMMA2	X	.133	6
12	MP GAMMA2	X	.133	0
13	MP ALPHA1	Y	.139	5.167
14	MP ALPHA1	Y	.139	.833
15	MP ALPHA1	X	.08	5.167
16	MP ALPHA1	X	.08	.833
17	MP BETA1	Y	.109	6
18	MP BETA1	Y	.109	0
19	MP BETA1	X	.063	6
20	MP BETA1	X	.063	0
21	MP GAMMA1	Y	.186	6
22	MP GAMMA1	Y	.186	0
23	MP GAMMA1	X	.107	6
24	MP GAMMA1	X	.107	0
25	MP ALPHA3	Y	.178	5.167
26	MP ALPHA3	Y	.178	.833
27	MP ALPHA3	X	.103	5.167
28	MP ALPHA3	X	.103	.833
29	MP BETA3	Y	.127	6
30	MP BETA3	Y	.127	0
31	MP BETA3	X	.074	6
32	MP BETA3	X	.074	0
33	MP GAMMA3	Y	.243	6
34	MP GAMMA3	Y	.243	0
35	MP GAMMA3	X	.14	6
36	MP GAMMA3	X	.14	0
37	MP ALPHA3	Y	.077	3
38	MP ALPHA3	X	.044	3
39	MP BETA3	Y	.052	3
40	MP BETA3	X	.03	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
41	MP GAMMA3	Y	.077	3
42	MP GAMMA3	X	.044	3
43	MP ALPHA3	Y	.057	3
44	MP ALPHA3	X	.033	3
45	MP BETA3	Y	.044	3
46	MP BETA3	X	.025	3
47	MP GAMMA3	Y	.057	3
48	MP GAMMA3	X	.033	3
49	MP ALPHA2	Y	.057	3
50	MP ALPHA2	X	.033	3
51	MP BETA2	Y	.039	3
52	MP BETA2	X	.022	3
53	MP GAMMA2	Y	.057	3
54	MP GAMMA2	X	.033	3
55	MP ALPHA2	Y	.037	3
56	MP ALPHA2	X	.021	3
57	MP ALPHA4	Y	.039	2
58	MP ALPHA4	X	.022	2
59	MP ALPHA1	Y	.005	3
60	MP ALPHA1	X	.003	3
61	MP BETA1	Y	.003	3
62	MP BETA1	X	.001	3
63	MP GAMMA1	Y	.005	3
64	MP GAMMA1	X	.003	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.063	5.167
2	MP ALPHA2	Y	.063	.833
3	MP ALPHA2	X	.109	5.167
4	MP ALPHA2	X	.109	.833
5	MP BETA2	Y	.084	6
6	MP BETA2	Y	.084	0
7	MP BETA2	X	.145	6
8	MP BETA2	X	.145	0
9	MP GAMMA2	Y	.158	6
10	MP GAMMA2	Y	.158	0
11	MP GAMMA2	X	.274	6
12	MP GAMMA2	X	.274	0
13	MP ALPHA1	Y	.058	5.167
14	MP ALPHA1	Y	.058	.833
15	MP ALPHA1	X	.1	5.167
16	MP ALPHA1	X	.1	.833
17	MP BETA1	Y	.078	6
18	MP BETA1	Y	.078	0
19	MP BETA1	X	.134	6
20	MP BETA1	X	.134	0
21	MP GAMMA1	Y	.122	6
22	MP GAMMA1	Y	.122	0
23	MP GAMMA1	X	.212	6
24	MP GAMMA1	X	.212	0
25	MP ALPHA3	Y	.064	5.167
26	MP ALPHA3	Y	.064	.833
27	MP ALPHA3	X	.111	5.167
28	MP ALPHA3	X	.111	.833
29	MP BETA3	Y	.096	6

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
30	MP BETA3	Y	.096	0
31	MP BETA3	X	.166	6
32	MP BETA3	X	.166	0
33	MP GAMMA3	Y	.162	6
34	MP GAMMA3	Y	.162	0
35	MP GAMMA3	X	.281	6
36	MP GAMMA3	X	.281	0
37	MP ALPHA3	Y	.035	3
38	MP ALPHA3	X	.06	3
39	MP BETA3	Y	.035	3
40	MP BETA3	X	.06	3
41	MP GAMMA3	Y	.049	3
42	MP GAMMA3	X	.085	3
43	MP ALPHA3	Y	.028	3
44	MP ALPHA3	X	.048	3
45	MP BETA3	Y	.028	3
46	MP BETA3	X	.048	3
47	MP GAMMA3	Y	.035	3
48	MP GAMMA3	X	.061	3
49	MP ALPHA2	Y	.026	3
50	MP ALPHA2	X	.045	3
51	MP BETA2	Y	.026	3
52	MP BETA2	X	.045	3
53	MP GAMMA2	Y	.036	3
54	MP GAMMA2	X	.063	3
55	MP ALPHA2	Y	.022	3
56	MP ALPHA2	X	.039	3
57	MP ALPHA4	Y	.024	2
58	MP ALPHA4	X	.041	2
59	MP ALPHA1	Y	.002	3
60	MP ALPHA1	X	.003	3
61	MP BETA1	Y	.002	3
62	MP BETA1	X	.003	3
63	MP GAMMA1	Y	.003	3
64	MP GAMMA1	X	.005	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	X	.089	5.167
2	MP ALPHA2	X	.089	.833
3	MP BETA2	X	.267	6
4	MP BETA2	X	.267	0
5	MP GAMMA2	X	.267	6
6	MP GAMMA2	X	.267	0
7	MP ALPHA1	X	.093	5.167
8	MP ALPHA1	X	.093	.833
9	MP BETA1	X	.215	6
10	MP BETA1	X	.215	0
11	MP GAMMA1	X	.215	6
12	MP GAMMA1	X	.215	0
13	MP ALPHA3	X	.091	5.167
14	MP ALPHA3	X	.091	.833
15	MP BETA3	X	.28	6
16	MP BETA3	X	.28	0
17	MP GAMMA3	X	.28	6
18	MP GAMMA3	X	.28	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
19	MP ALPHA3	X	.06	3
20	MP BETA3	X	.088	3
21	MP GAMMA3	X	.088	3
22	MP ALPHA3	X	.051	3
23	MP BETA3	X	.066	3
24	MP GAMMA3	X	.066	3
25	MP ALPHA2	X	.045	3
26	MP BETA2	X	.066	3
27	MP GAMMA2	X	.066	3
28	MP ALPHA2	X	.046	3
29	MP ALPHA4	X	.048	2
30	MP ALPHA1	X	.003	3
31	MP BETA1	X	.005	3
32	MP GAMMA1	X	.005	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.063	5.167
2	MP ALPHA2	Y	-.063	.833
3	MP ALPHA2	X	.109	5.167
4	MP ALPHA2	X	.109	.833
5	MP BETA2	Y	-.158	6
6	MP BETA2	Y	-.158	0
7	MP BETA2	X	.274	6
8	MP BETA2	X	.274	0
9	MP GAMMA2	Y	-.084	6
10	MP GAMMA2	Y	-.084	0
11	MP GAMMA2	X	.145	6
12	MP GAMMA2	X	.145	0
13	MP ALPHA1	Y	-.058	5.167
14	MP ALPHA1	Y	-.058	.833
15	MP ALPHA1	X	.1	5.167
16	MP ALPHA1	X	.1	.833
17	MP BETA1	Y	-.122	6
18	MP BETA1	Y	-.122	0
19	MP BETA1	X	.212	6
20	MP BETA1	X	.212	0
21	MP GAMMA1	Y	-.078	6
22	MP GAMMA1	Y	-.078	0
23	MP GAMMA1	X	.134	6
24	MP GAMMA1	X	.134	0
25	MP ALPHA3	Y	-.064	5.167
26	MP ALPHA3	Y	-.064	.833
27	MP ALPHA3	X	.111	5.167
28	MP ALPHA3	X	.111	.833
29	MP BETA3	Y	-.162	6
30	MP BETA3	Y	-.162	0
31	MP BETA3	X	.281	6
32	MP BETA3	X	.281	0
33	MP GAMMA3	Y	-.096	6
34	MP GAMMA3	Y	-.096	0
35	MP GAMMA3	X	.166	6
36	MP GAMMA3	X	.166	0
37	MP ALPHA3	Y	-.035	3
38	MP ALPHA3	X	.06	3
39	MP BETA3	Y	-.049	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
40	MP BETA3	X	.085	3
41	MP GAMMA3	Y	-.035	3
42	MP GAMMA3	X	.06	3
43	MP ALPHA3	Y	-.028	3
44	MP ALPHA3	X	.048	3
45	MP BETA3	Y	-.035	3
46	MP BETA3	X	.061	3
47	MP GAMMA3	Y	-.028	3
48	MP GAMMA3	X	.048	3
49	MP ALPHA2	Y	-.026	3
50	MP ALPHA2	X	.045	3
51	MP BETA2	Y	-.036	3
52	MP BETA2	X	.063	3
53	MP GAMMA2	Y	-.026	3
54	MP GAMMA2	X	.045	3
55	MP ALPHA2	Y	-.022	3
56	MP ALPHA2	X	.039	3
57	MP ALPHA4	Y	-.024	2
58	MP ALPHA4	X	.041	2
59	MP ALPHA1	Y	-.002	3
60	MP ALPHA1	X	.003	3
61	MP BETA1	Y	-.003	3
62	MP BETA1	X	.005	3
63	MP GAMMA1	Y	-.002	3
64	MP GAMMA1	X	.003	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.174	5.167
2	MP ALPHA2	Y	-.174	.833
3	MP ALPHA2	X	.1	5.167
4	MP ALPHA2	X	.1	.833
5	MP BETA2	Y	-.231	6
6	MP BETA2	Y	-.231	0
7	MP BETA2	X	.133	6
8	MP BETA2	X	.133	0
9	MP GAMMA2	Y	-.103	6
10	MP GAMMA2	Y	-.103	0
11	MP GAMMA2	X	.059	6
12	MP GAMMA2	X	.059	0
13	MP ALPHA1	Y	-.139	5.167
14	MP ALPHA1	Y	-.139	.833
15	MP ALPHA1	X	.08	5.167
16	MP ALPHA1	X	.08	.833
17	MP BETA1	Y	-.186	6
18	MP BETA1	Y	-.186	0
19	MP BETA1	X	.107	6
20	MP BETA1	X	.107	0
21	MP GAMMA1	Y	-.109	6
22	MP GAMMA1	Y	-.109	0
23	MP GAMMA1	X	.063	6
24	MP GAMMA1	X	.063	0
25	MP ALPHA3	Y	-.178	5.167
26	MP ALPHA3	Y	-.178	.833
27	MP ALPHA3	X	.103	5.167
28	MP ALPHA3	X	.103	.833

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
29	MP BETA3	Y	-.243	6
30	MP BETA3	Y	-.243	0
31	MP BETA3	X	.14	6
32	MP BETA3	X	.14	0
33	MP GAMMA3	Y	-.127	6
34	MP GAMMA3	Y	-.127	0
35	MP GAMMA3	X	.074	6
36	MP GAMMA3	X	.074	0
37	MP ALPHA3	Y	-.077	3
38	MP ALPHA3	X	.044	3
39	MP BETA3	Y	-.077	3
40	MP BETA3	X	.044	3
41	MP GAMMA3	Y	-.052	3
42	MP GAMMA3	X	.03	3
43	MP ALPHA3	Y	-.057	3
44	MP ALPHA3	X	.033	3
45	MP BETA3	Y	-.057	3
46	MP BETA3	X	.033	3
47	MP GAMMA3	Y	-.044	3
48	MP GAMMA3	X	.025	3
49	MP ALPHA2	Y	-.057	3
50	MP ALPHA2	X	.033	3
51	MP BETA2	Y	-.057	3
52	MP BETA2	X	.033	3
53	MP GAMMA2	Y	-.039	3
54	MP GAMMA2	X	.022	3
55	MP ALPHA2	Y	-.037	3
56	MP ALPHA2	X	.021	3
57	MP ALPHA4	Y	-.039	2
58	MP ALPHA4	X	.022	2
59	MP ALPHA1	Y	-.005	3
60	MP ALPHA1	X	.003	3
61	MP BETA1	Y	-.005	3
62	MP BETA1	X	.003	3
63	MP GAMMA1	Y	-.003	3
64	MP GAMMA1	X	.001	3

Member Point Loads (BLC 15 : Maintanence (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.014	5.167
2	MP ALPHA2	Y	-.014	.833
3	MP BETA2	Y	-.01	6
4	MP BETA2	Y	-.01	0
5	MP GAMMA2	Y	-.01	6
6	MP GAMMA2	Y	-.01	0
7	MP ALPHA1	Y	-.011	5.167
8	MP ALPHA1	Y	-.011	.833
9	MP BETA1	Y	-.009	6
10	MP BETA1	Y	-.009	0
11	MP GAMMA1	Y	-.009	6
12	MP GAMMA1	Y	-.009	0
13	MP ALPHA3	Y	-.014	5.167
14	MP ALPHA3	Y	-.014	.833
15	MP BETA3	Y	-.011	6
16	MP BETA3	Y	-.011	0
17	MP GAMMA3	Y	-.011	6

Member Point Loads (BLC 15 : Maintanence (0)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP GAMMA3	Y	-.011	0
19	MP ALPHA3	Y	-.006	3
20	MP BETA3	Y	-.004	3
21	MP GAMMA3	Y	-.004	3
22	MP ALPHA3	Y	-.004	3
23	MP BETA3	Y	-.003	3
24	MP GAMMA3	Y	-.003	3
25	MP ALPHA2	Y	-.004	3
26	MP BETA2	Y	-.003	3
27	MP GAMMA2	Y	-.003	3
28	MP ALPHA2	Y	-.002	3
29	MP ALPHA4	Y	-.003	2
30	MP ALPHA1	Y	-.000375	3
31	MP BETA1	Y	-.000227	3
32	MP GAMMA1	Y	-.000227	3

Member Point Loads (BLC 16 : Maintanence (30))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.01	5.167
2	MP ALPHA2	Y	-.01	.833
3	MP ALPHA2	X	-.006	5.167
4	MP ALPHA2	X	-.006	.833
5	MP BETA2	Y	-.006	6
6	MP BETA2	Y	-.006	0
7	MP BETA2	X	-.004	6
8	MP BETA2	X	-.004	0
9	MP GAMMA2	Y	-.014	6
10	MP GAMMA2	Y	-.014	0
11	MP GAMMA2	X	-.008	6
12	MP GAMMA2	X	-.008	0
13	MP ALPHA1	Y	-.008	5.167
14	MP ALPHA1	Y	-.008	.833
15	MP ALPHA1	X	-.005	5.167
16	MP ALPHA1	X	-.005	.833
17	MP BETA1	Y	-.006	6
18	MP BETA1	Y	-.006	0
19	MP BETA1	X	-.004	6
20	MP BETA1	X	-.004	0
21	MP GAMMA1	Y	-.011	6
22	MP GAMMA1	Y	-.011	0
23	MP GAMMA1	X	-.006	6
24	MP GAMMA1	X	-.006	0
25	MP ALPHA3	Y	-.011	5.167
26	MP ALPHA3	Y	-.011	.833
27	MP ALPHA3	X	-.006	5.167
28	MP ALPHA3	X	-.006	.833
29	MP BETA3	Y	-.008	6
30	MP BETA3	Y	-.008	0
31	MP BETA3	X	-.004	6
32	MP BETA3	X	-.004	0
33	MP GAMMA3	Y	-.014	6
34	MP GAMMA3	Y	-.014	0
35	MP GAMMA3	X	-.008	6
36	MP GAMMA3	X	-.008	0
37	MP ALPHA3	Y	-.005	3
38	MP ALPHA3	X	-.003	3

Member Point Loads (BLC 16 : Maintanence (30)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
39	MP BETA3	Y	-.003	3
40	MP BETA3	X	-.002	3
41	MP GAMMA3	Y	-.005	3
42	MP GAMMA3	X	-.003	3
43	MP ALPHA3	Y	-.003	3
44	MP ALPHA3	X	-.002	3
45	MP BETA3	Y	-.003	3
46	MP BETA3	X	-.002	3
47	MP GAMMA3	Y	-.003	3
48	MP GAMMA3	X	-.002	3
49	MP ALPHA2	Y	-.003	3
50	MP ALPHA2	X	-.002	3
51	MP BETA2	Y	-.002	3
52	MP BETA2	X	-.001	3
53	MP GAMMA2	Y	-.003	3
54	MP GAMMA2	X	-.002	3
55	MP ALPHA2	Y	-.002	3
56	MP ALPHA2	X	-.001	3
57	MP ALPHA4	Y	-.002	2
58	MP ALPHA4	X	-.001	2
59	MP ALPHA1	Y	-.000282	3
60	MP ALPHA1	X	-.000163	3
61	MP BETA1	Y	-.000154	3
62	MP BETA1	X	-8.9e-5	3
63	MP GAMMA1	Y	-.000282	3
64	MP GAMMA1	X	-.000163	3

Member Point Loads (BLC 17 : Maintanence (60))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.004	5.167
2	MP ALPHA2	Y	-.004	.833
3	MP ALPHA2	X	-.007	5.167
4	MP ALPHA2	X	-.007	.833
5	MP BETA2	Y	-.005	6
6	MP BETA2	Y	-.005	0
7	MP BETA2	X	-.009	6
8	MP BETA2	X	-.009	0
9	MP GAMMA2	Y	-.009	6
10	MP GAMMA2	Y	-.009	0
11	MP GAMMA2	X	-.016	6
12	MP GAMMA2	X	-.016	0
13	MP ALPHA1	Y	-.003	5.167
14	MP ALPHA1	Y	-.003	.833
15	MP ALPHA1	X	-.006	5.167
16	MP ALPHA1	X	-.006	.833
17	MP BETA1	Y	-.005	6
18	MP BETA1	Y	-.005	0
19	MP BETA1	X	-.008	6
20	MP BETA1	X	-.008	0
21	MP GAMMA1	Y	-.007	6
22	MP GAMMA1	Y	-.007	0
23	MP GAMMA1	X	-.013	6
24	MP GAMMA1	X	-.013	0
25	MP ALPHA3	Y	-.004	5.167
26	MP ALPHA3	Y	-.004	.833
27	MP ALPHA3	X	-.007	5.167

Member Point Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP ALPHA3	X	-.007	.833
29	MP BETA3	Y	-.006	6
30	MP BETA3	Y	-.006	0
31	MP BETA3	X	-.01	6
32	MP BETA3	X	-.01	0
33	MP GAMMA3	Y	-.01	6
34	MP GAMMA3	Y	-.01	0
35	MP GAMMA3	X	-.017	6
36	MP GAMMA3	X	-.017	0
37	MP ALPHA3	Y	-.002	3
38	MP ALPHA3	X	-.004	3
39	MP BETA3	Y	-.002	3
40	MP BETA3	X	-.004	3
41	MP GAMMA3	Y	-.003	3
42	MP GAMMA3	X	-.005	3
43	MP ALPHA3	Y	-.002	3
44	MP ALPHA3	X	-.003	3
45	MP BETA3	Y	-.002	3
46	MP BETA3	X	-.003	3
47	MP GAMMA3	Y	-.002	3
48	MP GAMMA3	X	-.004	3
49	MP ALPHA2	Y	-.002	3
50	MP ALPHA2	X	-.003	3
51	MP BETA2	Y	-.002	3
52	MP BETA2	X	-.003	3
53	MP GAMMA2	Y	-.002	3
54	MP GAMMA2	X	-.004	3
55	MP ALPHA2	Y	-.001	3
56	MP ALPHA2	X	-.002	3
57	MP ALPHA4	Y	-.001	2
58	MP ALPHA4	X	-.002	2
59	MP ALPHA1	Y	-.000114	3
60	MP ALPHA1	X	-.000197	3
61	MP BETA1	Y	-.000114	3
62	MP BETA1	X	-.000197	3
63	MP GAMMA1	Y	-.000187	3
64	MP GAMMA1	X	-.000325	3

Member Point Loads (BLC 18 : Maintanence (90))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	X	-.005	5.167
2	MP ALPHA2	X	-.005	.833
3	MP BETA2	X	-.016	6
4	MP BETA2	X	-.016	0
5	MP GAMMA2	X	-.016	6
6	MP GAMMA2	X	-.016	0
7	MP ALPHA1	X	-.006	5.167
8	MP ALPHA1	X	-.006	.833
9	MP BETA1	X	-.013	6
10	MP BETA1	X	-.013	0
11	MP GAMMA1	X	-.013	6
12	MP GAMMA1	X	-.013	0
13	MP ALPHA3	X	-.005	5.167
14	MP ALPHA3	X	-.005	.833
15	MP BETA3	X	-.017	6
16	MP BETA3	X	-.017	0

Member Point Loads (BLC 18 : Maintanence (90)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP GAMMA3	X	-.017	6
18	MP GAMMA3	X	-.017	0
19	MP ALPHA3	X	-.004	3
20	MP BETA3	X	-.005	3
21	MP GAMMA3	X	-.005	3
22	MP ALPHA3	X	-.003	3
23	MP BETA3	X	-.004	3
24	MP GAMMA3	X	-.004	3
25	MP ALPHA2	X	-.003	3
26	MP BETA2	X	-.004	3
27	MP GAMMA2	X	-.004	3
28	MP ALPHA2	X	-.003	3
29	MP ALPHA4	X	-.003	2
30	MP ALPHA1	X	-.000178	3
31	MP BETA1	X	-.000326	3
32	MP GAMMA1	X	-.000326	3

Member Point Loads (BLC 19 : Maintanence (120))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.004	5.167
2	MP ALPHA2	Y	.004	.833
3	MP ALPHA2	X	-.007	5.167
4	MP ALPHA2	X	-.007	.833
5	MP BETA2	Y	.009	6
6	MP BETA2	Y	.009	0
7	MP BETA2	X	-.016	6
8	MP BETA2	X	-.016	0
9	MP GAMMA2	Y	.005	6
10	MP GAMMA2	Y	.005	0
11	MP GAMMA2	X	-.009	6
12	MP GAMMA2	X	-.009	0
13	MP ALPHA1	Y	.003	5.167
14	MP ALPHA1	Y	.003	.833
15	MP ALPHA1	X	-.006	5.167
16	MP ALPHA1	X	-.006	.833
17	MP BETA1	Y	.007	6
18	MP BETA1	Y	.007	0
19	MP BETA1	X	-.013	6
20	MP BETA1	X	-.013	0
21	MP GAMMA1	Y	.005	6
22	MP GAMMA1	Y	.005	0
23	MP GAMMA1	X	-.008	6
24	MP GAMMA1	X	-.008	0
25	MP ALPHA3	Y	.004	5.167
26	MP ALPHA3	Y	.004	.833
27	MP ALPHA3	X	-.007	5.167
28	MP ALPHA3	X	-.007	.833
29	MP BETA3	Y	.01	6
30	MP BETA3	Y	.01	0
31	MP BETA3	X	-.017	6
32	MP BETA3	X	-.017	0
33	MP GAMMA3	Y	.006	6
34	MP GAMMA3	Y	.006	0
35	MP GAMMA3	X	-.01	6
36	MP GAMMA3	X	-.01	0
37	MP ALPHA3	Y	.002	3

Member Point Loads (BLC 19 : Maintanence (120)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
38	MP ALPHA3	X	-.004	3
39	MP BETA3	Y	.003	3
40	MP BETA3	X	-.005	3
41	MP GAMMA3	Y	.002	3
42	MP GAMMA3	X	-.004	3
43	MP ALPHA3	Y	.002	3
44	MP ALPHA3	X	-.003	3
45	MP BETA3	Y	.002	3
46	MP BETA3	X	-.004	3
47	MP GAMMA3	Y	.002	3
48	MP GAMMA3	X	-.003	3
49	MP ALPHA2	Y	.002	3
50	MP ALPHA2	X	-.003	3
51	MP BETA2	Y	.002	3
52	MP BETA2	X	-.004	3
53	MP GAMMA2	Y	.002	3
54	MP GAMMA2	X	-.003	3
55	MP ALPHA2	Y	.001	3
56	MP ALPHA2	X	-.002	3
57	MP ALPHA4	Y	.001	2
58	MP ALPHA4	X	-.002	2
59	MP ALPHA1	Y	.000114	3
60	MP ALPHA1	X	-.000197	3
61	MP BETA1	Y	.000187	3
62	MP BETA1	X	-.000325	3
63	MP GAMMA1	Y	.000114	3
64	MP GAMMA1	X	-.000197	3

Member Point Loads (BLC 20 : Maintanence (150))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.01	5.167
2	MP ALPHA2	Y	.01	.833
3	MP ALPHA2	X	-.006	5.167
4	MP ALPHA2	X	-.006	.833
5	MP BETA2	Y	.014	6
6	MP BETA2	Y	.014	0
7	MP BETA2	X	-.008	6
8	MP BETA2	X	-.008	0
9	MP GAMMA2	Y	.006	6
10	MP GAMMA2	Y	.006	0
11	MP GAMMA2	X	-.004	6
12	MP GAMMA2	X	-.004	0
13	MP ALPHA1	Y	.008	5.167
14	MP ALPHA1	Y	.008	.833
15	MP ALPHA1	X	-.005	5.167
16	MP ALPHA1	X	-.005	.833
17	MP BETA1	Y	.011	6
18	MP BETA1	Y	.011	0
19	MP BETA1	X	-.006	6
20	MP BETA1	X	-.006	0
21	MP GAMMA1	Y	.006	6
22	MP GAMMA1	Y	.006	0
23	MP GAMMA1	X	-.004	6
24	MP GAMMA1	X	-.004	0
25	MP ALPHA3	Y	.011	5.167
26	MP ALPHA3	Y	.011	.833

Member Point Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP ALPHA3	X	-.006	5.167
28	MP ALPHA3	X	-.006	.833
29	MP BETA3	Y	.014	6
30	MP BETA3	Y	.014	0
31	MP BETA3	X	-.008	6
32	MP BETA3	X	-.008	0
33	MP GAMMA3	Y	.008	6
34	MP GAMMA3	Y	.008	0
35	MP GAMMA3	X	-.004	6
36	MP GAMMA3	X	-.004	0
37	MP ALPHA3	Y	.005	3
38	MP ALPHA3	X	-.003	3
39	MP BETA3	Y	.005	3
40	MP BETA3	X	-.003	3
41	MP GAMMA3	Y	.003	3
42	MP GAMMA3	X	-.002	3
43	MP ALPHA3	Y	.003	3
44	MP ALPHA3	X	-.002	3
45	MP BETA3	Y	.003	3
46	MP BETA3	X	-.002	3
47	MP GAMMA3	Y	.003	3
48	MP GAMMA3	X	-.002	3
49	MP ALPHA2	Y	.003	3
50	MP ALPHA2	X	-.002	3
51	MP BETA2	Y	.003	3
52	MP BETA2	X	-.002	3
53	MP GAMMA2	Y	.002	3
54	MP GAMMA2	X	-.001	3
55	MP ALPHA2	Y	.002	3
56	MP ALPHA2	X	-.001	3
57	MP ALPHA4	Y	.002	2
58	MP ALPHA4	X	-.001	2
59	MP ALPHA1	Y	.000282	3
60	MP ALPHA1	X	-.000163	3
61	MP BETA1	Y	.000282	3
62	MP BETA1	X	-.000163	3
63	MP GAMMA1	Y	.000154	3
64	MP GAMMA1	X	-8.9e-5	3

Member Point Loads (BLC 21 : Maintanence (180))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.014	5.167
2	MP ALPHA2	Y	.014	.833
3	MP BETA2	Y	.01	6
4	MP BETA2	Y	.01	0
5	MP GAMMA2	Y	.01	6
6	MP GAMMA2	Y	.01	0
7	MP ALPHA1	Y	.011	5.167
8	MP ALPHA1	Y	.011	.833
9	MP BETA1	Y	.009	6
10	MP BETA1	Y	.009	0
11	MP GAMMA1	Y	.009	6
12	MP GAMMA1	Y	.009	0
13	MP ALPHA3	Y	.014	5.167
14	MP ALPHA3	Y	.014	.833
15	MP BETA3	Y	.011	6

Member Point Loads (BLC 21 : Maintanence (180)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP BETA3	Y	.011	0
17	MP GAMMA3	Y	.011	6
18	MP GAMMA3	Y	.011	0
19	MP ALPHA3	Y	.006	3
20	MP BETA3	Y	.004	3
21	MP GAMMA3	Y	.004	3
22	MP ALPHA3	Y	.004	3
23	MP BETA3	Y	.003	3
24	MP GAMMA3	Y	.003	3
25	MP ALPHA2	Y	.004	3
26	MP BETA2	Y	.003	3
27	MP GAMMA2	Y	.003	3
28	MP ALPHA2	Y	.002	3
29	MP ALPHA4	Y	.003	2
30	MP ALPHA1	Y	.000375	3
31	MP BETA1	Y	.000227	3
32	MP GAMMA1	Y	.000227	3

Member Point Loads (BLC 22 : Maintanence (210))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.01	5.167
2	MP ALPHA2	Y	.01	.833
3	MP ALPHA2	X	.006	5.167
4	MP ALPHA2	X	.006	.833
5	MP BETA2	Y	.006	6
6	MP BETA2	Y	.006	0
7	MP BETA2	X	.004	6
8	MP BETA2	X	.004	0
9	MP GAMMA2	Y	.014	6
10	MP GAMMA2	Y	.014	0
11	MP GAMMA2	X	.008	6
12	MP GAMMA2	X	.008	0
13	MP ALPHA1	Y	.008	5.167
14	MP ALPHA1	Y	.008	.833
15	MP ALPHA1	X	.005	5.167
16	MP ALPHA1	X	.005	.833
17	MP BETA1	Y	.006	6
18	MP BETA1	Y	.006	0
19	MP BETA1	X	.004	6
20	MP BETA1	X	.004	0
21	MP GAMMA1	Y	.011	6
22	MP GAMMA1	Y	.011	0
23	MP GAMMA1	X	.006	6
24	MP GAMMA1	X	.006	0
25	MP ALPHA3	Y	.011	5.167
26	MP ALPHA3	Y	.011	.833
27	MP ALPHA3	X	.006	5.167
28	MP ALPHA3	X	.006	.833
29	MP BETA3	Y	.008	6
30	MP BETA3	Y	.008	0
31	MP BETA3	X	.004	6
32	MP BETA3	X	.004	0
33	MP GAMMA3	Y	.014	6
34	MP GAMMA3	Y	.014	0
35	MP GAMMA3	X	.008	6
36	MP GAMMA3	X	.008	0

Member Point Loads (BLC 22 : Maintanence (210)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
37	MP ALPHA3	Y	.005	3
38	MP ALPHA3	X	.003	3
39	MP BETA3	Y	.003	3
40	MP BETA3	X	.002	3
41	MP GAMMA3	Y	.005	3
42	MP GAMMA3	X	.003	3
43	MP ALPHA3	Y	.003	3
44	MP ALPHA3	X	.002	3
45	MP BETA3	Y	.003	3
46	MP BETA3	X	.002	3
47	MP GAMMA3	Y	.003	3
48	MP GAMMA3	X	.002	3
49	MP ALPHA2	Y	.003	3
50	MP ALPHA2	X	.002	3
51	MP BETA2	Y	.002	3
52	MP BETA2	X	.001	3
53	MP GAMMA2	Y	.003	3
54	MP GAMMA2	X	.002	3
55	MP ALPHA2	Y	.002	3
56	MP ALPHA2	X	.001	3
57	MP ALPHA4	Y	.002	2
58	MP ALPHA4	X	.001	2
59	MP ALPHA1	Y	.000282	3
60	MP ALPHA1	X	.000163	3
61	MP BETA1	Y	.000154	3
62	MP BETA1	X	8.9e-5	3
63	MP GAMMA1	Y	.000282	3
64	MP GAMMA1	X	.000163	3

Member Point Loads (BLC 23 : Maintanence (240))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.004	5.167
2	MP ALPHA2	Y	.004	.833
3	MP ALPHA2	X	.007	5.167
4	MP ALPHA2	X	.007	.833
5	MP BETA2	Y	.005	6
6	MP BETA2	Y	.005	0
7	MP BETA2	X	.009	6
8	MP BETA2	X	.009	0
9	MP GAMMA2	Y	.009	6
10	MP GAMMA2	Y	.009	0
11	MP GAMMA2	X	.016	6
12	MP GAMMA2	X	.016	0
13	MP ALPHA1	Y	.003	5.167
14	MP ALPHA1	Y	.003	.833
15	MP ALPHA1	X	.006	5.167
16	MP ALPHA1	X	.006	.833
17	MP BETA1	Y	.005	6
18	MP BETA1	Y	.005	0
19	MP BETA1	X	.008	6
20	MP BETA1	X	.008	0
21	MP GAMMA1	Y	.007	6
22	MP GAMMA1	Y	.007	0
23	MP GAMMA1	X	.013	6
24	MP GAMMA1	X	.013	0
25	MP ALPHA3	Y	.004	5.167

Member Point Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
26	MP ALPHA3	Y	.004	.833
27	MP ALPHA3	X	.007	5.167
28	MP ALPHA3	X	.007	.833
29	MP BETA3	Y	.006	6
30	MP BETA3	Y	.006	0
31	MP BETA3	X	.01	6
32	MP BETA3	X	.01	0
33	MP GAMMA3	Y	.01	6
34	MP GAMMA3	Y	.01	0
35	MP GAMMA3	X	.017	6
36	MP GAMMA3	X	.017	0
37	MP ALPHA3	Y	.002	3
38	MP ALPHA3	X	.004	3
39	MP BETA3	Y	.002	3
40	MP BETA3	X	.004	3
41	MP GAMMA3	Y	.003	3
42	MP GAMMA3	X	.005	3
43	MP ALPHA3	Y	.002	3
44	MP ALPHA3	X	.003	3
45	MP BETA3	Y	.002	3
46	MP BETA3	X	.003	3
47	MP GAMMA3	Y	.002	3
48	MP GAMMA3	X	.004	3
49	MP ALPHA2	Y	.002	3
50	MP ALPHA2	X	.003	3
51	MP BETA2	Y	.002	3
52	MP BETA2	X	.003	3
53	MP GAMMA2	Y	.002	3
54	MP GAMMA2	X	.004	3
55	MP ALPHA2	Y	.001	3
56	MP ALPHA2	X	.002	3
57	MP ALPHA4	Y	.001	2
58	MP ALPHA4	X	.002	2
59	MP ALPHA1	Y	.000114	3
60	MP ALPHA1	X	.000197	3
61	MP BETA1	Y	.000114	3
62	MP BETA1	X	.000197	3
63	MP GAMMA1	Y	.000187	3
64	MP GAMMA1	X	.000325	3

Member Point Loads (BLC 24 : Maintanence (270))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	X	.005	5.167
2	MP ALPHA2	X	.005	.833
3	MP BETA2	X	.016	6
4	MP BETA2	X	.016	0
5	MP GAMMA2	X	.016	6
6	MP GAMMA2	X	.016	0
7	MP ALPHA1	X	.006	5.167
8	MP ALPHA1	X	.006	.833
9	MP BETA1	X	.013	6
10	MP BETA1	X	.013	0
11	MP GAMMA1	X	.013	6
12	MP GAMMA1	X	.013	0
13	MP ALPHA3	X	.005	5.167
14	MP ALPHA3	X	.005	.833

Member Point Loads (BLC 24 : Maintanence (270)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP BETA3	X	.017	6
16	MP BETA3	X	.017	0
17	MP GAMMA3	X	.017	6
18	MP GAMMA3	X	.017	0
19	MP ALPHA3	X	.004	3
20	MP BETA3	X	.005	3
21	MP GAMMA3	X	.005	3
22	MP ALPHA3	X	.003	3
23	MP BETA3	X	.004	3
24	MP GAMMA3	X	.004	3
25	MP ALPHA2	X	.003	3
26	MP BETA2	X	.004	3
27	MP GAMMA2	X	.004	3
28	MP ALPHA2	X	.003	3
29	MP ALPHA4	X	.003	2
30	MP ALPHA1	X	.000178	3
31	MP BETA1	X	.000326	3
32	MP GAMMA1	X	.000326	3

Member Point Loads (BLC 25 : Maintanence (300))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.004	5.167
2	MP ALPHA2	Y	-.004	.833
3	MP ALPHA2	X	.007	5.167
4	MP ALPHA2	X	.007	.833
5	MP BETA2	Y	-.009	6
6	MP BETA2	Y	-.009	0
7	MP BETA2	X	.016	6
8	MP BETA2	X	.016	0
9	MP GAMMA2	Y	-.005	6
10	MP GAMMA2	Y	-.005	0
11	MP GAMMA2	X	.009	6
12	MP GAMMA2	X	.009	0
13	MP ALPHA1	Y	-.003	5.167
14	MP ALPHA1	Y	-.003	.833
15	MP ALPHA1	X	.006	5.167
16	MP ALPHA1	X	.006	.833
17	MP BETA1	Y	-.007	6
18	MP BETA1	Y	-.007	0
19	MP BETA1	X	.013	6
20	MP BETA1	X	.013	0
21	MP GAMMA1	Y	-.005	6
22	MP GAMMA1	Y	-.005	0
23	MP GAMMA1	X	.008	6
24	MP GAMMA1	X	.008	0
25	MP ALPHA3	Y	-.004	5.167
26	MP ALPHA3	Y	-.004	.833
27	MP ALPHA3	X	.007	5.167
28	MP ALPHA3	X	.007	.833
29	MP BETA3	Y	-.01	6
30	MP BETA3	Y	-.01	0
31	MP BETA3	X	.017	6
32	MP BETA3	X	.017	0
33	MP GAMMA3	Y	-.006	6
34	MP GAMMA3	Y	-.006	0
35	MP GAMMA3	X	.01	6

Member Point Loads (BLC 25 : Maintanence (300)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
36	MP GAMMA3	X	.01	0
37	MP ALPHA3	Y	-.002	3
38	MP ALPHA3	X	.004	3
39	MP BETA3	Y	-.003	3
40	MP BETA3	X	.005	3
41	MP GAMMA3	Y	-.002	3
42	MP GAMMA3	X	.004	3
43	MP ALPHA3	Y	-.002	3
44	MP ALPHA3	X	.003	3
45	MP BETA3	Y	-.002	3
46	MP BETA3	X	.004	3
47	MP GAMMA3	Y	-.002	3
48	MP GAMMA3	X	.003	3
49	MP ALPHA2	Y	-.002	3
50	MP ALPHA2	X	.003	3
51	MP BETA2	Y	-.002	3
52	MP BETA2	X	.004	3
53	MP GAMMA2	Y	-.002	3
54	MP GAMMA2	X	.003	3
55	MP ALPHA2	Y	-.001	3
56	MP ALPHA2	X	.002	3
57	MP ALPHA4	Y	-.001	2
58	MP ALPHA4	X	.002	2
59	MP ALPHA1	Y	-.000114	3
60	MP ALPHA1	X	.000197	3
61	MP BETA1	Y	-.000187	3
62	MP BETA1	X	.000325	3
63	MP GAMMA1	Y	-.000114	3
64	MP GAMMA1	X	.000197	3

Member Point Loads (BLC 26 : Maintanence (330))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.01	5.167
2	MP ALPHA2	Y	-.01	.833
3	MP ALPHA2	X	.006	5.167
4	MP ALPHA2	X	.006	.833
5	MP BETA2	Y	-.014	6
6	MP BETA2	Y	-.014	0
7	MP BETA2	X	.008	6
8	MP BETA2	X	.008	0
9	MP GAMMA2	Y	-.006	6
10	MP GAMMA2	Y	-.006	0
11	MP GAMMA2	X	.004	6
12	MP GAMMA2	X	.004	0
13	MP ALPHA1	Y	-.008	5.167
14	MP ALPHA1	Y	-.008	.833
15	MP ALPHA1	X	.005	5.167
16	MP ALPHA1	X	.005	.833
17	MP BETA1	Y	-.011	6
18	MP BETA1	Y	-.011	0
19	MP BETA1	X	.006	6
20	MP BETA1	X	.006	0
21	MP GAMMA1	Y	-.006	6
22	MP GAMMA1	Y	-.006	0
23	MP GAMMA1	X	.004	6
24	MP GAMMA1	X	.004	0

Member Point Loads (BLC 26 : Maintanence (330)) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP ALPHA3	Y	-.011	5.167
26	MP ALPHA3	Y	-.011	.833
27	MP ALPHA3	X	.006	5.167
28	MP ALPHA3	X	.006	.833
29	MP BETA3	Y	-.014	6
30	MP BETA3	Y	-.014	0
31	MP BETA3	X	.008	6
32	MP BETA3	X	.008	0
33	MP GAMMA3	Y	-.008	6
34	MP GAMMA3	Y	-.008	0
35	MP GAMMA3	X	.004	6
36	MP GAMMA3	X	.004	0
37	MP ALPHA3	Y	-.005	3
38	MP ALPHA3	X	.003	3
39	MP BETA3	Y	-.005	3
40	MP BETA3	X	.003	3
41	MP GAMMA3	Y	-.003	3
42	MP GAMMA3	X	.002	3
43	MP ALPHA3	Y	-.003	3
44	MP ALPHA3	X	.002	3
45	MP BETA3	Y	-.003	3
46	MP BETA3	X	.002	3
47	MP GAMMA3	Y	-.003	3
48	MP GAMMA3	X	.002	3
49	MP ALPHA2	Y	-.003	3
50	MP ALPHA2	X	.002	3
51	MP BETA2	Y	-.003	3
52	MP BETA2	X	.002	3
53	MP GAMMA2	Y	-.002	3
54	MP GAMMA2	X	.001	3
55	MP ALPHA2	Y	-.002	3
56	MP ALPHA2	X	.001	3
57	MP ALPHA4	Y	-.002	2
58	MP ALPHA4	X	.001	2
59	MP ALPHA1	Y	-.000282	3
60	MP ALPHA1	X	.000163	3
61	MP BETA1	Y	-.000282	3
62	MP BETA1	X	.000163	3
63	MP GAMMA1	Y	-.000154	3
64	MP GAMMA1	X	8.9e-5	3

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Z	-.091	5.167
2	MP ALPHA2	Z	-.091	.833
3	MP BETA2	Z	-.119	6
4	MP BETA2	Z	-.119	0
5	MP GAMMA2	Z	-.119	6
6	MP GAMMA2	Z	-.119	0
7	MP ALPHA1	Z	-.078	5.167
8	MP ALPHA1	Z	-.078	.833
9	MP BETA1	Z	-.091	6
10	MP BETA1	Z	-.091	0
11	MP GAMMA1	Z	-.091	6
12	MP GAMMA1	Z	-.091	0
13	MP ALPHA3	Z	-.092	5.167

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
14	MP ALPHA3	Z	-.092	.833
15	MP BETA3	Z	-.121	6
16	MP BETA3	Z	-.121	0
17	MP GAMMA3	Z	-.121	6
18	MP GAMMA3	Z	-.121	0
19	MP ALPHA3	Z	-.054	3
20	MP BETA3	Z	-.054	3
21	MP GAMMA3	Z	-.054	3
22	MP ALPHA3	Z	-.047	3
23	MP BETA3	Z	-.047	3
24	MP GAMMA3	Z	-.047	3
25	MP ALPHA2	Z	-.045	3
26	MP BETA2	Z	-.045	3
27	MP GAMMA2	Z	-.045	3
28	MP ALPHA2	Z	-.066	3
29	MP ALPHA4	Z	-.07	2
30	MP ALPHA1	Z	-.005	3
31	MP BETA1	Z	-.005	3
32	MP GAMMA1	Z	-.005	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.041	5.167
2	MP ALPHA2	Y	-.041	.833
3	MP BETA2	Y	-.031	6
4	MP BETA2	Y	-.031	0
5	MP GAMMA2	Y	-.031	6
6	MP GAMMA2	Y	-.031	0
7	MP ALPHA1	Y	-.033	5.167
8	MP ALPHA1	Y	-.033	.833
9	MP BETA1	Y	-.029	6
10	MP BETA1	Y	-.029	0
11	MP GAMMA1	Y	-.029	6
12	MP GAMMA1	Y	-.029	0
13	MP ALPHA3	Y	-.042	5.167
14	MP ALPHA3	Y	-.042	.833
15	MP BETA3	Y	-.022	6
16	MP BETA3	Y	-.022	0
17	MP GAMMA3	Y	-.022	6
18	MP GAMMA3	Y	-.022	0
19	MP ALPHA3	Y	-.012	3
20	MP BETA3	Y	-.009	3
21	MP GAMMA3	Y	-.009	3
22	MP ALPHA3	Y	-.009	3
23	MP BETA3	Y	-.007	3
24	MP GAMMA3	Y	-.007	3
25	MP ALPHA2	Y	-.009	3
26	MP BETA2	Y	-.007	3
27	MP GAMMA2	Y	-.007	3
28	MP ALPHA2	Y	-.012	3
29	MP ALPHA4	Y	-.013	2
30	MP ALPHA1	Y	-.001	3
31	MP BETA1	Y	-.001	3
32	MP GAMMA1	Y	-.001	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.03	5.167
2	MP ALPHA2	Y	-.03	.833
3	MP ALPHA2	X	-.017	5.167
4	MP ALPHA2	X	-.017	.833
5	MP BETA2	Y	-.02	6
6	MP BETA2	Y	-.02	0
7	MP BETA2	X	-.012	6
8	MP BETA2	X	-.012	0
9	MP GAMMA2	Y	-.04	6
10	MP GAMMA2	Y	-.04	0
11	MP GAMMA2	X	-.023	6
12	MP GAMMA2	X	-.023	0
13	MP ALPHA1	Y	-.025	5.167
14	MP ALPHA1	Y	-.025	.833
15	MP ALPHA1	X	-.015	5.167
16	MP ALPHA1	X	-.015	.833
17	MP BETA1	Y	-.022	6
18	MP BETA1	Y	-.022	0
19	MP BETA1	X	-.012	6
20	MP BETA1	X	-.012	0
21	MP GAMMA1	Y	-.033	6
22	MP GAMMA1	Y	-.033	0
23	MP GAMMA1	X	-.019	6
24	MP GAMMA1	X	-.019	0
25	MP ALPHA3	Y	-.031	5.167
26	MP ALPHA3	Y	-.031	.833
27	MP ALPHA3	X	-.018	5.167
28	MP ALPHA3	X	-.018	.833
29	MP BETA3	Y	-.015	6
30	MP BETA3	Y	-.015	0
31	MP BETA3	X	-.009	6
32	MP BETA3	X	-.009	0
33	MP GAMMA3	Y	-.026	6
34	MP GAMMA3	Y	-.026	0
35	MP GAMMA3	X	-.015	6
36	MP GAMMA3	X	-.015	0
37	MP ALPHA3	Y	-.01	3
38	MP ALPHA3	X	-.006	3
39	MP BETA3	Y	-.007	3
40	MP BETA3	X	-.004	3
41	MP GAMMA3	Y	-.01	3
42	MP GAMMA3	X	-.006	3
43	MP ALPHA3	Y	-.007	3
44	MP ALPHA3	X	-.004	3
45	MP BETA3	Y	-.006	3
46	MP BETA3	X	-.003	3
47	MP GAMMA3	Y	-.007	3
48	MP GAMMA3	X	-.004	3
49	MP ALPHA2	Y	-.007	3
50	MP ALPHA2	X	-.004	3
51	MP BETA2	Y	-.005	3
52	MP BETA2	X	-.003	3
53	MP GAMMA2	Y	-.007	3
54	MP GAMMA2	X	-.004	3
55	MP ALPHA2	Y	-.011	3
56	MP ALPHA2	X	-.006	3
57	MP ALPHA4	Y	-.011	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP ALPHA4	X	-.006	2
59	MP ALPHA1	Y	-.001	3
60	MP ALPHA1	X	-.000645	3
61	MP BETA1	Y	-.000816	3
62	MP BETA1	X	-.000471	3
63	MP GAMMA1	Y	-.001	3
64	MP GAMMA1	X	-.000645	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.012	5.167
2	MP ALPHA2	Y	-.012	.833
3	MP ALPHA2	X	-.02	5.167
4	MP ALPHA2	X	-.02	.833
5	MP BETA2	Y	-.015	6
6	MP BETA2	Y	-.015	0
7	MP BETA2	X	-.027	6
8	MP BETA2	X	-.027	0
9	MP GAMMA2	Y	-.027	6
10	MP GAMMA2	Y	-.027	0
11	MP GAMMA2	X	-.046	6
12	MP GAMMA2	X	-.046	0
13	MP ALPHA1	Y	-.011	5.167
14	MP ALPHA1	Y	-.011	.833
15	MP ALPHA1	X	-.019	5.167
16	MP ALPHA1	X	-.019	.833
17	MP BETA1	Y	-.015	6
18	MP BETA1	Y	-.015	0
19	MP BETA1	X	-.026	6
20	MP BETA1	X	-.026	0
21	MP GAMMA1	Y	-.022	6
22	MP GAMMA1	Y	-.022	0
23	MP GAMMA1	X	-.037	6
24	MP GAMMA1	X	-.037	0
25	MP ALPHA3	Y	-.012	5.167
26	MP ALPHA3	Y	-.012	.833
27	MP ALPHA3	X	-.021	5.167
28	MP ALPHA3	X	-.021	.833
29	MP BETA3	Y	-.011	6
30	MP BETA3	Y	-.011	0
31	MP BETA3	X	-.019	6
32	MP BETA3	X	-.019	0
33	MP GAMMA3	Y	-.017	6
34	MP GAMMA3	Y	-.017	0
35	MP GAMMA3	X	-.03	6
36	MP GAMMA3	X	-.03	0
37	MP ALPHA3	Y	-.005	3
38	MP ALPHA3	X	-.008	3
39	MP BETA3	Y	-.005	3
40	MP BETA3	X	-.008	3
41	MP GAMMA3	Y	-.006	3
42	MP GAMMA3	X	-.011	3
43	MP ALPHA3	Y	-.004	3
44	MP ALPHA3	X	-.006	3
45	MP BETA3	Y	-.004	3
46	MP BETA3	X	-.006	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMMA3	Y	-.005	3
48	MP GAMMA3	X	-.008	3
49	MP ALPHA2	Y	-.003	3
50	MP ALPHA2	X	-.006	3
51	MP BETA2	Y	-.003	3
52	MP BETA2	X	-.006	3
53	MP GAMMA2	Y	-.005	3
54	MP GAMMA2	X	-.008	3
55	MP ALPHA2	Y	-.006	3
56	MP ALPHA2	X	-.011	3
57	MP ALPHA4	Y	-.006	2
58	MP ALPHA4	X	-.011	2
59	MP ALPHA1	Y	-.000529	3
60	MP ALPHA1	X	-.000916	3
61	MP BETA1	Y	-.000529	3
62	MP BETA1	X	-.000916	3
63	MP GAMMA1	Y	-.000702	3
64	MP GAMMA1	X	-.001	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	X	-.018	5.167
2	MP ALPHA2	X	-.018	.833
3	MP BETA2	X	-.046	6
4	MP BETA2	X	-.046	0
5	MP GAMMA2	X	-.046	6
6	MP GAMMA2	X	-.046	0
7	MP ALPHA1	X	-.019	5.167
8	MP ALPHA1	X	-.019	.833
9	MP BETA1	X	-.039	6
10	MP BETA1	X	-.039	0
11	MP GAMMA1	X	-.039	6
12	MP GAMMA1	X	-.039	0
13	MP ALPHA3	X	-.018	5.167
14	MP ALPHA3	X	-.018	.833
15	MP BETA3	X	-.031	6
16	MP BETA3	X	-.031	0
17	MP GAMMA3	X	-.031	6
18	MP GAMMA3	X	-.031	0
19	MP ALPHA3	X	-.008	3
20	MP BETA3	X	-.011	3
21	MP GAMMA3	X	-.011	3
22	MP ALPHA3	X	-.007	3
23	MP BETA3	X	-.009	3
24	MP GAMMA3	X	-.009	3
25	MP ALPHA2	X	-.006	3
26	MP BETA2	X	-.009	3
27	MP GAMMA2	X	-.009	3
28	MP ALPHA2	X	-.012	3
29	MP ALPHA4	X	-.013	2
30	MP ALPHA1	X	-.000943	3
31	MP BETA1	X	-.001	3
32	MP GAMMA1	X	-.001	3

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.012	5.167
2	MP ALPHA2	Y	.012	.833
3	MP ALPHA2	X	-.02	5.167
4	MP ALPHA2	X	-.02	.833
5	MP BETA2	Y	.027	6
6	MP BETA2	Y	.027	0
7	MP BETA2	X	-.046	6
8	MP BETA2	X	-.046	0
9	MP GAMMA2	Y	.015	6
10	MP GAMMA2	Y	.015	0
11	MP GAMMA2	X	-.027	6
12	MP GAMMA2	X	-.027	0
13	MP ALPHA1	Y	.011	5.167
14	MP ALPHA1	Y	.011	.833
15	MP ALPHA1	X	-.019	5.167
16	MP ALPHA1	X	-.019	.833
17	MP BETA1	Y	.022	6
18	MP BETA1	Y	.022	0
19	MP BETA1	X	-.037	6
20	MP BETA1	X	-.037	0
21	MP GAMMA1	Y	.015	6
22	MP GAMMA1	Y	.015	0
23	MP GAMMA1	X	-.026	6
24	MP GAMMA1	X	-.026	0
25	MP ALPHA3	Y	.012	5.167
26	MP ALPHA3	Y	.012	.833
27	MP ALPHA3	X	-.021	5.167
28	MP ALPHA3	X	-.021	.833
29	MP BETA3	Y	.017	6
30	MP BETA3	Y	.017	0
31	MP BETA3	X	-.03	6
32	MP BETA3	X	-.03	0
33	MP GAMMA3	Y	.011	6
34	MP GAMMA3	Y	.011	0
35	MP GAMMA3	X	-.019	6
36	MP GAMMA3	X	-.019	0
37	MP ALPHA3	Y	.005	3
38	MP ALPHA3	X	-.008	3
39	MP BETA3	Y	.006	3
40	MP BETA3	X	-.011	3
41	MP GAMMA3	Y	.005	3
42	MP GAMMA3	X	-.008	3
43	MP ALPHA3	Y	.004	3
44	MP ALPHA3	X	-.006	3
45	MP BETA3	Y	.005	3
46	MP BETA3	X	-.008	3
47	MP GAMMA3	Y	.004	3
48	MP GAMMA3	X	-.006	3
49	MP ALPHA2	Y	.003	3
50	MP ALPHA2	X	-.006	3
51	MP BETA2	Y	.005	3
52	MP BETA2	X	-.008	3
53	MP GAMMA2	Y	.003	3
54	MP GAMMA2	X	-.006	3
55	MP ALPHA2	Y	.006	3
56	MP ALPHA2	X	-.011	3
57	MP ALPHA4	Y	.006	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP ALPHA4	X	-.011	2
59	MP ALPHA1	Y	.000529	3
60	MP ALPHA1	X	-.000916	3
61	MP BETA1	Y	.000702	3
62	MP BETA1	X	-.001	3
63	MP GAMMA1	Y	.000529	3
64	MP GAMMA1	X	-.000916	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.03	5.167
2	MP ALPHA2	Y	.03	.833
3	MP ALPHA2	X	-.017	5.167
4	MP ALPHA2	X	-.017	.833
5	MP BETA2	Y	.04	6
6	MP BETA2	Y	.04	0
7	MP BETA2	X	-.023	6
8	MP BETA2	X	-.023	0
9	MP GAMMA2	Y	.02	6
10	MP GAMMA2	Y	.02	0
11	MP GAMMA2	X	-.012	6
12	MP GAMMA2	X	-.012	0
13	MP ALPHA1	Y	.025	5.167
14	MP ALPHA1	Y	.025	.833
15	MP ALPHA1	X	-.015	5.167
16	MP ALPHA1	X	-.015	.833
17	MP BETA1	Y	.033	6
18	MP BETA1	Y	.033	0
19	MP BETA1	X	-.019	6
20	MP BETA1	X	-.019	0
21	MP GAMMA1	Y	.022	6
22	MP GAMMA1	Y	.022	0
23	MP GAMMA1	X	-.012	6
24	MP GAMMA1	X	-.012	0
25	MP ALPHA3	Y	.031	5.167
26	MP ALPHA3	Y	.031	.833
27	MP ALPHA3	X	-.018	5.167
28	MP ALPHA3	X	-.018	.833
29	MP BETA3	Y	.026	6
30	MP BETA3	Y	.026	0
31	MP BETA3	X	-.015	6
32	MP BETA3	X	-.015	0
33	MP GAMMA3	Y	.015	6
34	MP GAMMA3	Y	.015	0
35	MP GAMMA3	X	-.009	6
36	MP GAMMA3	X	-.009	0
37	MP ALPHA3	Y	.01	3
38	MP ALPHA3	X	-.006	3
39	MP BETA3	Y	.01	3
40	MP BETA3	X	-.006	3
41	MP GAMMA3	Y	.007	3
42	MP GAMMA3	X	-.004	3
43	MP ALPHA3	Y	.007	3
44	MP ALPHA3	X	-.004	3
45	MP BETA3	Y	.007	3
46	MP BETA3	X	-.004	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMMA3	Y	.006	3
48	MP GAMMA3	X	-.003	3
49	MP ALPHA2	Y	.007	3
50	MP ALPHA2	X	-.004	3
51	MP BETA2	Y	.007	3
52	MP BETA2	X	-.004	3
53	MP GAMMA2	Y	.005	3
54	MP GAMMA2	X	-.003	3
55	MP ALPHA2	Y	.011	3
56	MP ALPHA2	X	-.006	3
57	MP ALPHA4	Y	.011	2
58	MP ALPHA4	X	-.006	2
59	MP ALPHA1	Y	.001	3
60	MP ALPHA1	X	-.000645	3
61	MP BETA1	Y	.001	3
62	MP BETA1	X	-.000645	3
63	MP GAMMA1	Y	.000816	3
64	MP GAMMA1	X	-.000471	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.041	5.167
2	MP ALPHA2	Y	.041	.833
3	MP BETA2	Y	.031	6
4	MP BETA2	Y	.031	0
5	MP GAMMA2	Y	.031	6
6	MP GAMMA2	Y	.031	0
7	MP ALPHA1	Y	.033	5.167
8	MP ALPHA1	Y	.033	.833
9	MP BETA1	Y	.029	6
10	MP BETA1	Y	.029	0
11	MP GAMMA1	Y	.029	6
12	MP GAMMA1	Y	.029	0
13	MP ALPHA3	Y	.042	5.167
14	MP ALPHA3	Y	.042	.833
15	MP BETA3	Y	.022	6
16	MP BETA3	Y	.022	0
17	MP GAMMA3	Y	.022	6
18	MP GAMMA3	Y	.022	0
19	MP ALPHA3	Y	.012	3
20	MP BETA3	Y	.009	3
21	MP GAMMA3	Y	.009	3
22	MP ALPHA3	Y	.009	3
23	MP BETA3	Y	.007	3
24	MP GAMMA3	Y	.007	3
25	MP ALPHA2	Y	.009	3
26	MP BETA2	Y	.007	3
27	MP GAMMA2	Y	.007	3
28	MP ALPHA2	Y	.012	3
29	MP ALPHA4	Y	.013	2
30	MP ALPHA1	Y	.001	3
31	MP BETA1	Y	.001	3
32	MP GAMMA1	Y	.001	3

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.03	5.167
2	MP ALPHA2	Y	.03	.833
3	MP ALPHA2	X	.017	5.167
4	MP ALPHA2	X	.017	.833
5	MP BETA2	Y	.02	6
6	MP BETA2	Y	.02	0
7	MP BETA2	X	.012	6
8	MP BETA2	X	.012	0
9	MP GAMMA2	Y	.04	6
10	MP GAMMA2	Y	.04	0
11	MP GAMMA2	X	.023	6
12	MP GAMMA2	X	.023	0
13	MP ALPHA1	Y	.025	5.167
14	MP ALPHA1	Y	.025	.833
15	MP ALPHA1	X	.015	5.167
16	MP ALPHA1	X	.015	.833
17	MP BETA1	Y	.022	6
18	MP BETA1	Y	.022	0
19	MP BETA1	X	.012	6
20	MP BETA1	X	.012	0
21	MP GAMMA1	Y	.033	6
22	MP GAMMA1	Y	.033	0
23	MP GAMMA1	X	.019	6
24	MP GAMMA1	X	.019	0
25	MP ALPHA3	Y	.031	5.167
26	MP ALPHA3	Y	.031	.833
27	MP ALPHA3	X	.018	5.167
28	MP ALPHA3	X	.018	.833
29	MP BETA3	Y	.015	6
30	MP BETA3	Y	.015	0
31	MP BETA3	X	.009	6
32	MP BETA3	X	.009	0
33	MP GAMMA3	Y	.026	6
34	MP GAMMA3	Y	.026	0
35	MP GAMMA3	X	.015	6
36	MP GAMMA3	X	.015	0
37	MP ALPHA3	Y	.01	3
38	MP ALPHA3	X	.006	3
39	MP BETA3	Y	.007	3
40	MP BETA3	X	.004	3
41	MP GAMMA3	Y	.01	3
42	MP GAMMA3	X	.006	3
43	MP ALPHA3	Y	.007	3
44	MP ALPHA3	X	.004	3
45	MP BETA3	Y	.006	3
46	MP BETA3	X	.003	3
47	MP GAMMA3	Y	.007	3
48	MP GAMMA3	X	.004	3
49	MP ALPHA2	Y	.007	3
50	MP ALPHA2	X	.004	3
51	MP BETA2	Y	.005	3
52	MP BETA2	X	.003	3
53	MP GAMMA2	Y	.007	3
54	MP GAMMA2	X	.004	3
55	MP ALPHA2	Y	.011	3
56	MP ALPHA2	X	.006	3
57	MP ALPHA4	Y	.011	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP ALPHA4	X	.006	2
59	MP ALPHA1	Y	.001	3
60	MP ALPHA1	X	.000645	3
61	MP BETA1	Y	.000816	3
62	MP BETA1	X	.000471	3
63	MP GAMMA1	Y	.001	3
64	MP GAMMA1	X	.000645	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	.012	5.167
2	MP ALPHA2	Y	.012	.833
3	MP ALPHA2	X	.02	5.167
4	MP ALPHA2	X	.02	.833
5	MP BETA2	Y	.015	6
6	MP BETA2	Y	.015	0
7	MP BETA2	X	.027	6
8	MP BETA2	X	.027	0
9	MP GAMMA2	Y	.027	6
10	MP GAMMA2	Y	.027	0
11	MP GAMMA2	X	.046	6
12	MP GAMMA2	X	.046	0
13	MP ALPHA1	Y	.011	5.167
14	MP ALPHA1	Y	.011	.833
15	MP ALPHA1	X	.019	5.167
16	MP ALPHA1	X	.019	.833
17	MP BETA1	Y	.015	6
18	MP BETA1	Y	.015	0
19	MP BETA1	X	.026	6
20	MP BETA1	X	.026	0
21	MP GAMMA1	Y	.022	6
22	MP GAMMA1	Y	.022	0
23	MP GAMMA1	X	.037	6
24	MP GAMMA1	X	.037	0
25	MP ALPHA3	Y	.012	5.167
26	MP ALPHA3	Y	.012	.833
27	MP ALPHA3	X	.021	5.167
28	MP ALPHA3	X	.021	.833
29	MP BETA3	Y	.011	6
30	MP BETA3	Y	.011	0
31	MP BETA3	X	.019	6
32	MP BETA3	X	.019	0
33	MP GAMMA3	Y	.017	6
34	MP GAMMA3	Y	.017	0
35	MP GAMMA3	X	.03	6
36	MP GAMMA3	X	.03	0
37	MP ALPHA3	Y	.005	3
38	MP ALPHA3	X	.008	3
39	MP BETA3	Y	.005	3
40	MP BETA3	X	.008	3
41	MP GAMMA3	Y	.006	3
42	MP GAMMA3	X	.011	3
43	MP ALPHA3	Y	.004	3
44	MP ALPHA3	X	.006	3
45	MP BETA3	Y	.004	3
46	MP BETA3	X	.006	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMMA3	Y	.005	3
48	MP GAMMA3	X	.008	3
49	MP ALPHA2	Y	.003	3
50	MP ALPHA2	X	.006	3
51	MP BETA2	Y	.003	3
52	MP BETA2	X	.006	3
53	MP GAMMA2	Y	.005	3
54	MP GAMMA2	X	.008	3
55	MP ALPHA2	Y	.006	3
56	MP ALPHA2	X	.011	3
57	MP ALPHA4	Y	.006	2
58	MP ALPHA4	X	.011	2
59	MP ALPHA1	Y	.000529	3
60	MP ALPHA1	X	.000916	3
61	MP BETA1	Y	.000529	3
62	MP BETA1	X	.000916	3
63	MP GAMMA1	Y	.000702	3
64	MP GAMMA1	X	.001	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	X	.018	5.167
2	MP ALPHA2	X	.018	.833
3	MP BETA2	X	.046	6
4	MP BETA2	X	.046	0
5	MP GAMMA2	X	.046	6
6	MP GAMMA2	X	.046	0
7	MP ALPHA1	X	.019	5.167
8	MP ALPHA1	X	.019	.833
9	MP BETA1	X	.039	6
10	MP BETA1	X	.039	0
11	MP GAMMA1	X	.039	6
12	MP GAMMA1	X	.039	0
13	MP ALPHA3	X	.018	5.167
14	MP ALPHA3	X	.018	.833
15	MP BETA3	X	.031	6
16	MP BETA3	X	.031	0
17	MP GAMMA3	X	.031	6
18	MP GAMMA3	X	.031	0
19	MP ALPHA3	X	.008	3
20	MP BETA3	X	.011	3
21	MP GAMMA3	X	.011	3
22	MP ALPHA3	X	.007	3
23	MP BETA3	X	.009	3
24	MP GAMMA3	X	.009	3
25	MP ALPHA2	X	.006	3
26	MP BETA2	X	.009	3
27	MP GAMMA2	X	.009	3
28	MP ALPHA2	X	.012	3
29	MP ALPHA4	X	.013	2
30	MP ALPHA1	X	.000943	3
31	MP BETA1	X	.001	3
32	MP GAMMA1	X	.001	3

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.012	5.167
2	MP ALPHA2	Y	-.012	.833
3	MP ALPHA2	X	.02	5.167
4	MP ALPHA2	X	.02	.833
5	MP BETA2	Y	-.027	6
6	MP BETA2	Y	-.027	0
7	MP BETA2	X	.046	6
8	MP BETA2	X	.046	0
9	MP GAMMA2	Y	-.015	6
10	MP GAMMA2	Y	-.015	0
11	MP GAMMA2	X	.027	6
12	MP GAMMA2	X	.027	0
13	MP ALPHA1	Y	-.011	5.167
14	MP ALPHA1	Y	-.011	.833
15	MP ALPHA1	X	.019	5.167
16	MP ALPHA1	X	.019	.833
17	MP BETA1	Y	-.022	6
18	MP BETA1	Y	-.022	0
19	MP BETA1	X	.037	6
20	MP BETA1	X	.037	0
21	MP GAMMA1	Y	-.015	6
22	MP GAMMA1	Y	-.015	0
23	MP GAMMA1	X	.026	6
24	MP GAMMA1	X	.026	0
25	MP ALPHA3	Y	-.012	5.167
26	MP ALPHA3	Y	-.012	.833
27	MP ALPHA3	X	.021	5.167
28	MP ALPHA3	X	.021	.833
29	MP BETA3	Y	-.017	6
30	MP BETA3	Y	-.017	0
31	MP BETA3	X	.03	6
32	MP BETA3	X	.03	0
33	MP GAMMA3	Y	-.011	6
34	MP GAMMA3	Y	-.011	0
35	MP GAMMA3	X	.019	6
36	MP GAMMA3	X	.019	0
37	MP ALPHA3	Y	-.005	3
38	MP ALPHA3	X	.008	3
39	MP BETA3	Y	-.006	3
40	MP BETA3	X	.011	3
41	MP GAMMA3	Y	-.005	3
42	MP GAMMA3	X	.008	3
43	MP ALPHA3	Y	-.004	3
44	MP ALPHA3	X	.006	3
45	MP BETA3	Y	-.005	3
46	MP BETA3	X	.008	3
47	MP GAMMA3	Y	-.004	3
48	MP GAMMA3	X	.006	3
49	MP ALPHA2	Y	-.003	3
50	MP ALPHA2	X	.006	3
51	MP BETA2	Y	-.005	3
52	MP BETA2	X	.008	3
53	MP GAMMA2	Y	-.003	3
54	MP GAMMA2	X	.006	3
55	MP ALPHA2	Y	-.006	3
56	MP ALPHA2	X	.011	3
57	MP ALPHA4	Y	-.006	2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP ALPHA4	X	.011	2
59	MP ALPHA1	Y	-.000529	3
60	MP ALPHA1	X	.000916	3
61	MP BETA1	Y	-.000702	3
62	MP BETA1	X	.001	3
63	MP GAMMA1	Y	-.000529	3
64	MP GAMMA1	X	.000916	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.03	5.167
2	MP ALPHA2	Y	-.03	.833
3	MP ALPHA2	X	.017	5.167
4	MP ALPHA2	X	.017	.833
5	MP BETA2	Y	-.04	6
6	MP BETA2	Y	-.04	0
7	MP BETA2	X	.023	6
8	MP BETA2	X	.023	0
9	MP GAMMA2	Y	-.02	6
10	MP GAMMA2	Y	-.02	0
11	MP GAMMA2	X	.012	6
12	MP GAMMA2	X	.012	0
13	MP ALPHA1	Y	-.025	5.167
14	MP ALPHA1	Y	-.025	.833
15	MP ALPHA1	X	.015	5.167
16	MP ALPHA1	X	.015	.833
17	MP BETA1	Y	-.033	6
18	MP BETA1	Y	-.033	0
19	MP BETA1	X	.019	6
20	MP BETA1	X	.019	0
21	MP GAMMA1	Y	-.022	6
22	MP GAMMA1	Y	-.022	0
23	MP GAMMA1	X	.012	6
24	MP GAMMA1	X	.012	0
25	MP ALPHA3	Y	-.031	5.167
26	MP ALPHA3	Y	-.031	.833
27	MP ALPHA3	X	.018	5.167
28	MP ALPHA3	X	.018	.833
29	MP BETA3	Y	-.026	6
30	MP BETA3	Y	-.026	0
31	MP BETA3	X	.015	6
32	MP BETA3	X	.015	0
33	MP GAMMA3	Y	-.015	6
34	MP GAMMA3	Y	-.015	0
35	MP GAMMA3	X	.009	6
36	MP GAMMA3	X	.009	0
37	MP ALPHA3	Y	-.01	3
38	MP ALPHA3	X	.006	3
39	MP BETA3	Y	-.01	3
40	MP BETA3	X	.006	3
41	MP GAMMA3	Y	-.007	3
42	MP GAMMA3	X	.004	3
43	MP ALPHA3	Y	-.007	3
44	MP ALPHA3	X	.004	3
45	MP BETA3	Y	-.007	3
46	MP BETA3	X	.004	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
47	MP GAMMA3	Y	-.006	3
48	MP GAMMA3	X	.003	3
49	MP ALPHA2	Y	-.007	3
50	MP ALPHA2	X	.004	3
51	MP BETA2	Y	-.007	3
52	MP BETA2	X	.004	3
53	MP GAMMA2	Y	-.005	3
54	MP GAMMA2	X	.003	3
55	MP ALPHA2	Y	-.011	3
56	MP ALPHA2	X	.006	3
57	MP ALPHA4	Y	-.011	2
58	MP ALPHA4	X	.006	2
59	MP ALPHA1	Y	-.001	3
60	MP ALPHA1	X	.000645	3
61	MP BETA1	Y	-.001	3
62	MP BETA1	X	.000645	3
63	MP GAMMA1	Y	-.000816	3
64	MP GAMMA1	X	.000471	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	X	-.005	5.167
2	MP ALPHA2	X	-.005	.833
3	MP BETA2	X	-.006	6
4	MP BETA2	X	-.006	0
5	MP GAMMA2	X	-.006	6
6	MP GAMMA2	X	-.006	0
7	MP ALPHA1	X	-.003	5.167
8	MP ALPHA1	X	-.003	.833
9	MP BETA1	X	-.004	6
10	MP BETA1	X	-.004	0
11	MP GAMMA1	X	-.004	6
12	MP GAMMA1	X	-.004	0
13	MP ALPHA3	X	-.004	5.167
14	MP ALPHA3	X	-.004	.833
15	MP BETA3	X	-.004	6
16	MP BETA3	X	-.004	0
17	MP GAMMA3	X	-.004	6
18	MP GAMMA3	X	-.004	0
19	MP ALPHA3	X	-.006	3
20	MP BETA3	X	-.006	3
21	MP GAMMA3	X	-.006	3
22	MP ALPHA3	X	-.008	3
23	MP BETA3	X	-.008	3
24	MP GAMMA3	X	-.008	3
25	MP ALPHA2	X	-.007	3
26	MP BETA2	X	-.007	3
27	MP GAMMA2	X	-.007	3
28	MP ALPHA2	X	-.003	3
29	MP ALPHA4	X	-.004	2
30	MP ALPHA1	X	-.000223	3
31	MP BETA1	X	-.000223	3
32	MP GAMMA1	X	-.000223	3

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Y	-.005	5.167
2	MP ALPHA2	Y	-.005	.833
3	MP BETA2	Y	-.006	6
4	MP BETA2	Y	-.006	0
5	MP GAMMA2	Y	-.006	6
6	MP GAMMA2	Y	-.006	0
7	MP ALPHA1	Y	-.003	5.167
8	MP ALPHA1	Y	-.003	.833
9	MP BETA1	Y	-.004	6
10	MP BETA1	Y	-.004	0
11	MP GAMMA1	Y	-.004	6
12	MP GAMMA1	Y	-.004	0
13	MP ALPHA3	Y	-.004	5.167
14	MP ALPHA3	Y	-.004	.833
15	MP BETA3	Y	-.004	6
16	MP BETA3	Y	-.004	0
17	MP GAMMA3	Y	-.004	6
18	MP GAMMA3	Y	-.004	0
19	MP ALPHA3	Y	-.006	3
20	MP BETA3	Y	-.006	3
21	MP GAMMA3	Y	-.006	3
22	MP ALPHA3	Y	-.008	3
23	MP BETA3	Y	-.008	3
24	MP GAMMA3	Y	-.008	3
25	MP ALPHA2	Y	-.007	3
26	MP BETA2	Y	-.007	3
27	MP GAMMA2	Y	-.007	3
28	MP ALPHA2	Y	-.003	3
29	MP ALPHA4	Y	-.004	2
30	MP ALPHA1	Y	-.000223	3
31	MP BETA1	Y	-.000223	3
32	MP GAMMA1	Y	-.000223	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Z	-.002	5.167
2	MP ALPHA2	Z	-.002	.833
3	MP BETA2	Z	-.002	6
4	MP BETA2	Z	-.002	0
5	MP GAMMA2	Z	-.002	6
6	MP GAMMA2	Z	-.002	0
7	MP ALPHA1	Z	-.001	5.167
8	MP ALPHA1	Z	-.001	.833
9	MP BETA1	Z	-.002	6
10	MP BETA1	Z	-.002	0
11	MP GAMMA1	Z	-.002	6
12	MP GAMMA1	Z	-.002	0
13	MP ALPHA3	Z	-.001	5.167
14	MP ALPHA3	Z	-.001	.833
15	MP BETA3	Z	-.002	6
16	MP BETA3	Z	-.002	0
17	MP GAMMA3	Z	-.002	6
18	MP GAMMA3	Z	-.002	0
19	MP ALPHA3	Z	-.002	3
20	MP BETA3	Z	-.002	3
21	MP GAMMA3	Z	-.002	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
22	MP ALPHA3	Z	-.003	3
23	MP BETA3	Z	-.003	3
24	MP GAMMA3	Z	-.003	3
25	MP ALPHA2	Z	-.003	3
26	MP BETA2	Z	-.003	3
27	MP GAMMA2	Z	-.003	3
28	MP ALPHA2	Z	-.001	3
29	MP ALPHA4	Z	-.001	2
30	MP ALPHA1	Z	-8.9e-5	3
31	MP BETA1	Z	-8.9e-5	3
32	MP GAMMA1	Z	-8.9e-5	3

Member Distributed Loads (BLC 2 : 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	-.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	-.009	-.009	0	0
8	SO2	PY	-.009	-.009	0	0
9	SO1	PY	-.009	-.009	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	-.002	-.002	0	0
17	PLATECORNER1B	PY	-.002	-.002	0	0
18	PLATECORNER1A	PY	-.002	-.002	0	0
19	PLATE12	PY	-.002	-.002	0	0
20	PLATE11	PY	-.002	-.002	0	0
21	PLATE10	PY	-.002	-.002	0	0
22	PLATE9	PY	-.002	-.002	0	0
23	PLATE8	PY	-.002	-.002	0	0
24	PLATE7	PY	-.002	-.002	0	0
25	PLATE6	PY	-.002	-.002	0	0
26	PLATE5	PY	-.002	-.002	0	0
27	PLATE4	PY	-.002	-.002	0	0
28	PLATE3	PY	-.002	-.002	0	0
29	PLATE2	PY	-.002	-.002	0	0
30	PLATE1	PY	-.002	-.002	0	0
31	MP ALPHA3	PY	-.011	-.011	0	0
32	MP ALPHA2	PY	-.011	-.011	0	0
33	MP ALPHA1	PY	-.011	-.011	0	0
34	RAIL3	PY	-.006	-.006	0	0
35	RAIL2	PY	-.006	-.006	0	0
36	RAIL1	PY	-.003	-.003	0	0
37	FACE3	PY	-.009	-.009	0	0
38	FACE2	PY	-.009	-.009	0	0
39	FACE1	PY	-.005	-.005	0	0
40	CR3B	PY	-.009	-.009	0	0
41	CR3A	PY	-.009	-.009	0	0

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,%]
42	CR2B	PY	-.009	-.009	0	0
43	CR2A	PY	-.009	-.009	0	0
44	CR1B	PY	-.009	-.009	0	0
45	CR1A	PY	-.009	-.009	0	0
46	ANGLE3	PY	-.009	-.009	0	0
47	ANGLE2	PY	-.009	-.009	0	0
48	ANGLE1	PY	-.009	-.009	0	0
49	MP GAMMA3	PY	-.011	-.011	0	0
50	MP GAMMA2	PY	-.011	-.011	0	0
51	MP GAMMA1	PY	-.011	-.011	0	0
52	MP ALPHA4	PY	-.011	-.011	0	0
53	MP BETA3	PY	-.011	-.011	0	0
54	MP BETA2	PY	-.011	-.011	0	0
55	MP BETA1	PY	-.011	-.011	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,%]
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	-.008	-.008	0	0
8	SO2	PY	-.008	-.008	0	0
9	SO1	PY	-.008	-.008	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	-.002	-.002	0	0
17	PLATECORNER1B	PY	-.002	-.002	0	0
18	PLATECORNER1A	PY	-.002	-.002	0	0
19	PLATE12	PY	-.002	-.002	0	0
20	PLATE11	PY	-.002	-.002	0	0
21	PLATE10	PY	-.002	-.002	0	0
22	PLATE9	PY	-.002	-.002	0	0
23	PLATE8	PY	-.002	-.002	0	0
24	PLATE7	PY	-.002	-.002	0	0
25	PLATE6	PY	-.002	-.002	0	0
26	PLATE5	PY	-.002	-.002	0	0
27	PLATE4	PY	-.002	-.002	0	0
28	PLATE3	PY	-.002	-.002	0	0
29	PLATE2	PY	-.002	-.002	0	0
30	PLATE1	PY	-.002	-.002	0	0
31	MP ALPHA3	PY	-.009	-.009	0	0
32	MP ALPHA2	PY	-.009	-.009	0	0
33	MP ALPHA1	PY	-.009	-.009	0	0
34	RAIL3	PY	-.006	-.006	0	0
35	RAIL2	PY	-.006	-.006	0	0
36	RAIL1	PY	-.003	-.003	0	0
37	FACE3	PY	-.008	-.008	0	0
38	FACE2	PY	-.008	-.008	0	0
39	FACE1	PY	-.004	-.004	0	0

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,%]
40	CR3B	PY	-.008	-.008	0	0
41	CR3A	PY	-.008	-.008	0	0
42	CR2B	PY	-.008	-.008	0	0
43	CR2A	PY	-.008	-.008	0	0
44	CR1B	PY	-.008	-.008	0	0
45	CR1A	PY	-.008	-.008	0	0
46	ANGLE3	PY	-.008	-.008	0	0
47	ANGLE2	PY	-.008	-.008	0	0
48	ANGLE1	PY	-.008	-.008	0	0
49	MP GAMMA3	PY	-.009	-.009	0	0
50	MP GAMMA2	PY	-.009	-.009	0	0
51	MP GAMMA1	PY	-.009	-.009	0	0
52	MP ALPHA4	PY	-.009	-.009	0	0
53	MP BETA3	PY	-.009	-.009	0	0
54	MP BETA2	PY	-.009	-.009	0	0
55	MP BETA1	PY	-.009	-.009	0	0
56	SUP3B	PX	-.004	-.004	0	0
57	SUP3A	PX	-.004	-.004	0	0
58	SUP2B	PX	-.004	-.004	0	0
59	SUP2A	PX	-.004	-.004	0	0
60	SUP1B	PX	-.004	-.004	0	0
61	SUP1A	PX	-.004	-.004	0	0
62	SO3	PX	-.005	-.005	0	0
63	SO2	PX	-.005	-.005	0	0
64	SO1	PX	-.005	-.005	0	0
65	PLATECORNER3C	PX	-.000927	-.000927	0	0
66	PLATECORNER3B	PX	-.000927	-.000927	0	0
67	PLATECORNER3A	PX	-.000927	-.000927	0	0
68	PLATECORNER2C	PX	-.000927	-.000927	0	0
69	PLATECORNER2B	PX	-.000927	-.000927	0	0
70	PLATECORNER2A	PX	-.000927	-.000927	0	0
71	PLATECORNER1C	PX	-.000927	-.000927	0	0
72	PLATECORNER1B	PX	-.000927	-.000927	0	0
73	PLATECORNER1A	PX	-.000927	-.000927	0	0
74	PLATE12	PX	-.000927	-.000927	0	0
75	PLATE11	PX	-.000927	-.000927	0	0
76	PLATE10	PX	-.000927	-.000927	0	0
77	PLATE9	PX	-.000927	-.000927	0	0
78	PLATE8	PX	-.000927	-.000927	0	0
79	PLATE7	PX	-.000927	-.000927	0	0
80	PLATE6	PX	-.000927	-.000927	0	0
81	PLATE5	PX	-.000927	-.000927	0	0
82	PLATE4	PX	-.000927	-.000927	0	0
83	PLATE3	PX	-.000927	-.000927	0	0
84	PLATE2	PX	-.000927	-.000927	0	0
85	PLATE1	PX	-.000927	-.000927	0	0
86	MP ALPHA3	PX	-.005	-.005	0	0
87	MP ALPHA2	PX	-.005	-.005	0	0
88	MP ALPHA1	PX	-.005	-.005	0	0
89	RAIL3	PX	-.003	-.003	0	0
90	RAIL2	PX	-.003	-.003	0	0
91	RAIL1	PX	-.002	-.002	0	0
92	FACE3	PX	-.005	-.005	0	0
93	FACE2	PX	-.005	-.005	0	0
94	FACE1	PX	-.002	-.002	0	0
95	CR3B	PX	-.005	-.005	0	0
96	CR3A	PX	-.005	-.005	0	0

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,%]
97	CR2B	PX	-.005	-.005	0	0
98	CR2A	PX	-.005	-.005	0	0
99	CR1B	PX	-.005	-.005	0	0
100	CR1A	PX	-.005	-.005	0	0
101	ANGLE3	PX	-.005	-.005	0	0
102	ANGLE2	PX	-.005	-.005	0	0
103	ANGLE1	PX	-.005	-.005	0	0
104	MP GAMMA3	PX	-.005	-.005	0	0
105	MP GAMMA2	PX	-.005	-.005	0	0
106	MP GAMMA1	PX	-.005	-.005	0	0
107	MP ALPHA4	PX	-.005	-.005	0	0
108	MP BETA3	PX	-.005	-.005	0	0
109	MP BETA2	PX	-.005	-.005	0	0
110	MP BETA1	PX	-.005	-.005	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	-.004	-.004	0	0
2	SUP3A	PY	-.004	-.004	0	0
3	SUP2B	PY	-.004	-.004	0	0
4	SUP2A	PY	-.004	-.004	0	0
5	SUP1B	PY	-.004	-.004	0	0
6	SUP1A	PY	-.004	-.004	0	0
7	SO3	PY	-.005	-.005	0	0
8	SO2	PY	-.005	-.005	0	0
9	SO1	PY	-.005	-.005	0	0
10	PLATECORNER3C	PY	-.000927	-.000927	0	0
11	PLATECORNER3B	PY	-.000927	-.000927	0	0
12	PLATECORNER3A	PY	-.000927	-.000927	0	0
13	PLATECORNER2C	PY	-.000927	-.000927	0	0
14	PLATECORNER2B	PY	-.000927	-.000927	0	0
15	PLATECORNER2A	PY	-.000927	-.000927	0	0
16	PLATECORNER1C	PY	-.000927	-.000927	0	0
17	PLATECORNER1B	PY	-.000927	-.000927	0	0
18	PLATECORNER1A	PY	-.000927	-.000927	0	0
19	PLATE12	PY	-.000927	-.000927	0	0
20	PLATE11	PY	-.000927	-.000927	0	0
21	PLATE10	PY	-.000927	-.000927	0	0
22	PLATE9	PY	-.000927	-.000927	0	0
23	PLATE8	PY	-.000927	-.000927	0	0
24	PLATE7	PY	-.000927	-.000927	0	0
25	PLATE6	PY	-.000927	-.000927	0	0
26	PLATE5	PY	-.000927	-.000927	0	0
27	PLATE4	PY	-.000927	-.000927	0	0
28	PLATE3	PY	-.000927	-.000927	0	0
29	PLATE2	PY	-.000927	-.000927	0	0
30	PLATE1	PY	-.000927	-.000927	0	0
31	MP ALPHA3	PY	-.005	-.005	0	0
32	MP ALPHA2	PY	-.005	-.005	0	0
33	MP ALPHA1	PY	-.005	-.005	0	0
34	RAIL3	PY	-.003	-.003	0	0
35	RAIL2	PY	-.003	-.003	0	0
36	RAIL1	PY	-.002	-.002	0	0
37	FACE3	PY	-.005	-.005	0	0
38	FACE2	PY	-.005	-.005	0	0
39	FACE1	PY	-.002	-.002	0	0

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,%]
40	CR3B	PY	-.005	-.005	0	0
41	CR3A	PY	-.005	-.005	0	0
42	CR2B	PY	-.005	-.005	0	0
43	CR2A	PY	-.005	-.005	0	0
44	CR1B	PY	-.005	-.005	0	0
45	CR1A	PY	-.005	-.005	0	0
46	ANGLE3	PY	-.005	-.005	0	0
47	ANGLE2	PY	-.005	-.005	0	0
48	ANGLE1	PY	-.005	-.005	0	0
49	MP GAMMA3	PY	-.005	-.005	0	0
50	MP GAMMA2	PY	-.005	-.005	0	0
51	MP GAMMA1	PY	-.005	-.005	0	0
52	MP ALPHA4	PY	-.005	-.005	0	0
53	MP BETA3	PY	-.005	-.005	0	0
54	MP BETA2	PY	-.005	-.005	0	0
55	MP BETA1	PY	-.005	-.005	0	0
56	SUP3B	PX	-.006	-.006	0	0
57	SUP3A	PX	-.006	-.006	0	0
58	SUP2B	PX	-.006	-.006	0	0
59	SUP2A	PX	-.006	-.006	0	0
60	SUP1B	PX	-.006	-.006	0	0
61	SUP1A	PX	-.006	-.006	0	0
62	SO3	PX	-.008	-.008	0	0
63	SO2	PX	-.008	-.008	0	0
64	SO1	PX	-.008	-.008	0	0
65	PLATECORNER3C	PX	-.002	-.002	0	0
66	PLATECORNER3B	PX	-.002	-.002	0	0
67	PLATECORNER3A	PX	-.002	-.002	0	0
68	PLATECORNER2C	PX	-.002	-.002	0	0
69	PLATECORNER2B	PX	-.002	-.002	0	0
70	PLATECORNER2A	PX	-.002	-.002	0	0
71	PLATECORNER1C	PX	-.002	-.002	0	0
72	PLATECORNER1B	PX	-.002	-.002	0	0
73	PLATECORNER1A	PX	-.002	-.002	0	0
74	PLATE12	PX	-.002	-.002	0	0
75	PLATE11	PX	-.002	-.002	0	0
76	PLATE10	PX	-.002	-.002	0	0
77	PLATE9	PX	-.002	-.002	0	0
78	PLATE8	PX	-.002	-.002	0	0
79	PLATE7	PX	-.002	-.002	0	0
80	PLATE6	PX	-.002	-.002	0	0
81	PLATE5	PX	-.002	-.002	0	0
82	PLATE4	PX	-.002	-.002	0	0
83	PLATE3	PX	-.002	-.002	0	0
84	PLATE2	PX	-.002	-.002	0	0
85	PLATE1	PX	-.002	-.002	0	0
86	MP ALPHA3	PX	-.009	-.009	0	0
87	MP ALPHA2	PX	-.009	-.009	0	0
88	MP ALPHA1	PX	-.009	-.009	0	0
89	RAIL3	PX	-.006	-.006	0	0
90	RAIL2	PX	-.006	-.006	0	0
91	RAIL1	PX	-.003	-.003	0	0
92	FACE3	PX	-.008	-.008	0	0
93	FACE2	PX	-.008	-.008	0	0
94	FACE1	PX	-.004	-.004	0	0
95	CR3B	PX	-.008	-.008	0	0
96	CR3A	PX	-.008	-.008	0	0

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,%]
97	CR2B	PX	-.008	-.008	0	0
98	CR2A	PX	-.008	-.008	0	0
99	CR1B	PX	-.008	-.008	0	0
100	CR1A	PX	-.008	-.008	0	0
101	ANGLE3	PX	-.008	-.008	0	0
102	ANGLE2	PX	-.008	-.008	0	0
103	ANGLE1	PX	-.008	-.008	0	0
104	MP GAMMA3	PX	-.009	-.009	0	0
105	MP GAMMA2	PX	-.009	-.009	0	0
106	MP GAMMA1	PX	-.009	-.009	0	0
107	MP ALPHA4	PX	-.009	-.009	0	0
108	MP BETA3	PX	-.009	-.009	0	0
109	MP BETA2	PX	-.009	-.009	0	0
110	MP BETA1	PX	-.009	-.009	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	-.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	-.009	-.009	0	0
8	SO2	PX	-.009	-.009	0	0
9	SO1	PX	-.009	-.009	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	-.002	-.002	0	0
17	PLATECORNER1B	PX	-.002	-.002	0	0
18	PLATECORNER1A	PX	-.002	-.002	0	0
19	PLATE12	PX	-.002	-.002	0	0
20	PLATE11	PX	-.002	-.002	0	0
21	PLATE10	PX	-.002	-.002	0	0
22	PLATE9	PX	-.002	-.002	0	0
23	PLATE8	PX	-.002	-.002	0	0
24	PLATE7	PX	-.002	-.002	0	0
25	PLATE6	PX	-.002	-.002	0	0
26	PLATE5	PX	-.002	-.002	0	0
27	PLATE4	PX	-.002	-.002	0	0
28	PLATE3	PX	-.002	-.002	0	0
29	PLATE2	PX	-.002	-.002	0	0
30	PLATE1	PX	-.002	-.002	0	0
31	MP ALPHA3	PX	-.011	-.011	0	0
32	MP ALPHA2	PX	-.011	-.011	0	0
33	MP ALPHA1	PX	-.011	-.011	0	0
34	RAIL3	PX	-.006	-.006	0	0
35	RAIL2	PX	-.006	-.006	0	0
36	RAIL1	PX	-.003	-.003	0	0
37	FACE3	PX	-.009	-.009	0	0
38	FACE2	PX	-.009	-.009	0	0
39	FACE1	PX	-.005	-.005	0	0

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,%]
40	CR3B	PX	-.009	-.009	0	0
41	CR3A	PX	-.009	-.009	0	0
42	CR2B	PX	-.009	-.009	0	0
43	CR2A	PX	-.009	-.009	0	0
44	CR1B	PX	-.009	-.009	0	0
45	CR1A	PX	-.009	-.009	0	0
46	ANGLE3	PX	-.009	-.009	0	0
47	ANGLE2	PX	-.009	-.009	0	0
48	ANGLE1	PX	-.009	-.009	0	0
49	MP GAMMA3	PX	-.011	-.011	0	0
50	MP GAMMA2	PX	-.011	-.011	0	0
51	MP GAMMA1	PX	-.011	-.011	0	0
52	MP ALPHA4	PX	-.011	-.011	0	0
53	MP BETA3	PX	-.011	-.011	0	0
54	MP BETA2	PX	-.011	-.011	0	0
55	MP BETA1	PX	-.011	-.011	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	.004	.004	0	0
2	SUP3A	PY	.004	.004	0	0
3	SUP2B	PY	.004	.004	0	0
4	SUP2A	PY	.004	.004	0	0
5	SUP1B	PY	.004	.004	0	0
6	SUP1A	PY	.004	.004	0	0
7	SO3	PY	.005	.005	0	0
8	SO2	PY	.005	.005	0	0
9	SO1	PY	.005	.005	0	0
10	PLATECORNER3C	PY	.000927	.000927	0	0
11	PLATECORNER3B	PY	.000927	.000927	0	0
12	PLATECORNER3A	PY	.000927	.000927	0	0
13	PLATECORNER2C	PY	.000927	.000927	0	0
14	PLATECORNER2B	PY	.000927	.000927	0	0
15	PLATECORNER2A	PY	.000927	.000927	0	0
16	PLATECORNER1C	PY	.000927	.000927	0	0
17	PLATECORNER1B	PY	.000927	.000927	0	0
18	PLATECORNER1A	PY	.000927	.000927	0	0
19	PLATE12	PY	.000927	.000927	0	0
20	PLATE11	PY	.000927	.000927	0	0
21	PLATE10	PY	.000927	.000927	0	0
22	PLATE9	PY	.000927	.000927	0	0
23	PLATE8	PY	.000927	.000927	0	0
24	PLATE7	PY	.000927	.000927	0	0
25	PLATE6	PY	.000927	.000927	0	0
26	PLATE5	PY	.000927	.000927	0	0
27	PLATE4	PY	.000927	.000927	0	0
28	PLATE3	PY	.000927	.000927	0	0
29	PLATE2	PY	.000927	.000927	0	0
30	PLATE1	PY	.000927	.000927	0	0
31	MP ALPHA3	PY	.005	.005	0	0
32	MP ALPHA2	PY	.005	.005	0	0
33	MP ALPHA1	PY	.005	.005	0	0
34	RAIL3	PY	.003	.003	0	0
35	RAIL2	PY	.003	.003	0	0
36	RAIL1	PY	.002	.002	0	0
37	FACE3	PY	.005	.005	0	0

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,%]
38	FACE2	PY	.005	.005	0	0
39	FACE1	PY	.002	.002	0	0
40	CR3B	PY	.005	.005	0	0
41	CR3A	PY	.005	.005	0	0
42	CR2B	PY	.005	.005	0	0
43	CR2A	PY	.005	.005	0	0
44	CR1B	PY	.005	.005	0	0
45	CR1A	PY	.005	.005	0	0
46	ANGLE3	PY	.005	.005	0	0
47	ANGLE2	PY	.005	.005	0	0
48	ANGLE1	PY	.005	.005	0	0
49	MP GAMMA3	PY	.005	.005	0	0
50	MP GAMMA2	PY	.005	.005	0	0
51	MP GAMMA1	PY	.005	.005	0	0
52	MP ALPHA4	PY	.005	.005	0	0
53	MP BETA3	PY	.005	.005	0	0
54	MP BETA2	PY	.005	.005	0	0
55	MP BETA1	PY	.005	.005	0	0
56	SUP3B	PX	-.006	-.006	0	0
57	SUP3A	PX	-.006	-.006	0	0
58	SUP2B	PX	-.006	-.006	0	0
59	SUP2A	PX	-.006	-.006	0	0
60	SUP1B	PX	-.006	-.006	0	0
61	SUP1A	PX	-.006	-.006	0	0
62	SO3	PX	-.008	-.008	0	0
63	SO2	PX	-.008	-.008	0	0
64	SO1	PX	-.008	-.008	0	0
65	PLATECORNER3C	PX	-.002	-.002	0	0
66	PLATECORNER3B	PX	-.002	-.002	0	0
67	PLATECORNER3A	PX	-.002	-.002	0	0
68	PLATECORNER2C	PX	-.002	-.002	0	0
69	PLATECORNER2B	PX	-.002	-.002	0	0
70	PLATECORNER2A	PX	-.002	-.002	0	0
71	PLATECORNER1C	PX	-.002	-.002	0	0
72	PLATECORNER1B	PX	-.002	-.002	0	0
73	PLATECORNER1A	PX	-.002	-.002	0	0
74	PLATE12	PX	-.002	-.002	0	0
75	PLATE11	PX	-.002	-.002	0	0
76	PLATE10	PX	-.002	-.002	0	0
77	PLATE9	PX	-.002	-.002	0	0
78	PLATE8	PX	-.002	-.002	0	0
79	PLATE7	PX	-.002	-.002	0	0
80	PLATE6	PX	-.002	-.002	0	0
81	PLATE5	PX	-.002	-.002	0	0
82	PLATE4	PX	-.002	-.002	0	0
83	PLATE3	PX	-.002	-.002	0	0
84	PLATE2	PX	-.002	-.002	0	0
85	PLATE1	PX	-.002	-.002	0	0
86	MP ALPHA3	PX	-.009	-.009	0	0
87	MP ALPHA2	PX	-.009	-.009	0	0
88	MP ALPHA1	PX	-.009	-.009	0	0
89	RAIL3	PX	-.006	-.006	0	0
90	RAIL2	PX	-.006	-.006	0	0
91	RAIL1	PX	-.003	-.003	0	0
92	FACE3	PX	-.008	-.008	0	0
93	FACE2	PX	-.008	-.008	0	0
94	FACE1	PX	-.004	-.004	0	0

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,%]
95	CR3B	PX	-.008	-.008	0	0
96	CR3A	PX	-.008	-.008	0	0
97	CR2B	PX	-.008	-.008	0	0
98	CR2A	PX	-.008	-.008	0	0
99	CR1B	PX	-.008	-.008	0	0
100	CR1A	PX	-.008	-.008	0	0
101	ANGLE3	PX	-.008	-.008	0	0
102	ANGLE2	PX	-.008	-.008	0	0
103	ANGLE1	PX	-.008	-.008	0	0
104	MP GAMMA3	PX	-.009	-.009	0	0
105	MP GAMMA2	PX	-.009	-.009	0	0
106	MP GAMMA1	PX	-.009	-.009	0	0
107	MP ALPHA4	PX	-.009	-.009	0	0
108	MP BETA3	PX	-.009	-.009	0	0
109	MP BETA2	PX	-.009	-.009	0	0
110	MP BETA1	PX	-.009	-.009	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,%]
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	.008	.008	0	0
8	SO2	PY	.008	.008	0	0
9	SO1	PY	.008	.008	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	.002	.002	0	0
17	PLATECORNER1B	PY	.002	.002	0	0
18	PLATECORNER1A	PY	.002	.002	0	0
19	PLATE12	PY	.002	.002	0	0
20	PLATE11	PY	.002	.002	0	0
21	PLATE10	PY	.002	.002	0	0
22	PLATE9	PY	.002	.002	0	0
23	PLATE8	PY	.002	.002	0	0
24	PLATE7	PY	.002	.002	0	0
25	PLATE6	PY	.002	.002	0	0
26	PLATE5	PY	.002	.002	0	0
27	PLATE4	PY	.002	.002	0	0
28	PLATE3	PY	.002	.002	0	0
29	PLATE2	PY	.002	.002	0	0
30	PLATE1	PY	.002	.002	0	0
31	MP ALPHA3	PY	.009	.009	0	0
32	MP ALPHA2	PY	.009	.009	0	0
33	MP ALPHA1	PY	.009	.009	0	0
34	RAIL3	PY	.006	.006	0	0
35	RAIL2	PY	.006	.006	0	0
36	RAIL1	PY	.003	.003	0	0
37	FACE3	PY	.008	.008	0	0

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,%]
38	FACE2	PY	.008	.008	0	0
39	FACE1	PY	.004	.004	0	0
40	CR3B	PY	.008	.008	0	0
41	CR3A	PY	.008	.008	0	0
42	CR2B	PY	.008	.008	0	0
43	CR2A	PY	.008	.008	0	0
44	CR1B	PY	.008	.008	0	0
45	CR1A	PY	.008	.008	0	0
46	ANGLE3	PY	.008	.008	0	0
47	ANGLE2	PY	.008	.008	0	0
48	ANGLE1	PY	.008	.008	0	0
49	MP GAMMA3	PY	.009	.009	0	0
50	MP GAMMA2	PY	.009	.009	0	0
51	MP GAMMA1	PY	.009	.009	0	0
52	MP ALPHA4	PY	.009	.009	0	0
53	MP BETA3	PY	.009	.009	0	0
54	MP BETA2	PY	.009	.009	0	0
55	MP BETA1	PY	.009	.009	0	0
56	SUP3B	PX	-.004	-.004	0	0
57	SUP3A	PX	-.004	-.004	0	0
58	SUP2B	PX	-.004	-.004	0	0
59	SUP2A	PX	-.004	-.004	0	0
60	SUP1B	PX	-.004	-.004	0	0
61	SUP1A	PX	-.004	-.004	0	0
62	SO3	PX	-.005	-.005	0	0
63	SO2	PX	-.005	-.005	0	0
64	SO1	PX	-.005	-.005	0	0
65	PLATECORNER3C	PX	-.000927	-.000927	0	0
66	PLATECORNER3B	PX	-.000927	-.000927	0	0
67	PLATECORNER3A	PX	-.000927	-.000927	0	0
68	PLATECORNER2C	PX	-.000927	-.000927	0	0
69	PLATECORNER2B	PX	-.000927	-.000927	0	0
70	PLATECORNER2A	PX	-.000927	-.000927	0	0
71	PLATECORNER1C	PX	-.000927	-.000927	0	0
72	PLATECORNER1B	PX	-.000927	-.000927	0	0
73	PLATECORNER1A	PX	-.000927	-.000927	0	0
74	PLATE12	PX	-.000927	-.000927	0	0
75	PLATE11	PX	-.000927	-.000927	0	0
76	PLATE10	PX	-.000927	-.000927	0	0
77	PLATE9	PX	-.000927	-.000927	0	0
78	PLATE8	PX	-.000927	-.000927	0	0
79	PLATE7	PX	-.000927	-.000927	0	0
80	PLATE6	PX	-.000927	-.000927	0	0
81	PLATE5	PX	-.000927	-.000927	0	0
82	PLATE4	PX	-.000927	-.000927	0	0
83	PLATE3	PX	-.000927	-.000927	0	0
84	PLATE2	PX	-.000927	-.000927	0	0
85	PLATE1	PX	-.000927	-.000927	0	0
86	MP ALPHA3	PX	-.005	-.005	0	0
87	MP ALPHA2	PX	-.005	-.005	0	0
88	MP ALPHA1	PX	-.005	-.005	0	0
89	RAIL3	PX	-.003	-.003	0	0
90	RAIL2	PX	-.003	-.003	0	0
91	RAIL1	PX	-.002	-.002	0	0
92	FACE3	PX	-.005	-.005	0	0
93	FACE2	PX	-.005	-.005	0	0
94	FACE1	PX	-.002	-.002	0	0

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,%]
95	CR3B	PX	-.005	-.005	0	0
96	CR3A	PX	-.005	-.005	0	0
97	CR2B	PX	-.005	-.005	0	0
98	CR2A	PX	-.005	-.005	0	0
99	CR1B	PX	-.005	-.005	0	0
100	CR1A	PX	-.005	-.005	0	0
101	ANGLE3	PX	-.005	-.005	0	0
102	ANGLE2	PX	-.005	-.005	0	0
103	ANGLE1	PX	-.005	-.005	0	0
104	MP GAMMA3	PX	-.005	-.005	0	0
105	MP GAMMA2	PX	-.005	-.005	0	0
106	MP GAMMA1	PX	-.005	-.005	0	0
107	MP ALPHA4	PX	-.005	-.005	0	0
108	MP BETA3	PX	-.005	-.005	0	0
109	MP BETA2	PX	-.005	-.005	0	0
110	MP BETA1	PX	-.005	-.005	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	.009	.009	0	0
8	SO2	PY	.009	.009	0	0
9	SO1	PY	.009	.009	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	.002	.002	0	0
17	PLATECORNER1B	PY	.002	.002	0	0
18	PLATECORNER1A	PY	.002	.002	0	0
19	PLATE12	PY	.002	.002	0	0
20	PLATE11	PY	.002	.002	0	0
21	PLATE10	PY	.002	.002	0	0
22	PLATE9	PY	.002	.002	0	0
23	PLATE8	PY	.002	.002	0	0
24	PLATE7	PY	.002	.002	0	0
25	PLATE6	PY	.002	.002	0	0
26	PLATE5	PY	.002	.002	0	0
27	PLATE4	PY	.002	.002	0	0
28	PLATE3	PY	.002	.002	0	0
29	PLATE2	PY	.002	.002	0	0
30	PLATE1	PY	.002	.002	0	0
31	MP ALPHA3	PY	.011	.011	0	0
32	MP ALPHA2	PY	.011	.011	0	0
33	MP ALPHA1	PY	.011	.011	0	0
34	RAIL3	PY	.006	.006	0	0
35	RAIL2	PY	.006	.006	0	0
36	RAIL1	PY	.003	.003	0	0
37	FACE3	PY	.009	.009	0	0

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,%]
38	FACE2	PY	.009	.009	0	0
39	FACE1	PY	.005	.005	0	0
40	CR3B	PY	.009	.009	0	0
41	CR3A	PY	.009	.009	0	0
42	CR2B	PY	.009	.009	0	0
43	CR2A	PY	.009	.009	0	0
44	CR1B	PY	.009	.009	0	0
45	CR1A	PY	.009	.009	0	0
46	ANGLE3	PY	.009	.009	0	0
47	ANGLE2	PY	.009	.009	0	0
48	ANGLE1	PY	.009	.009	0	0
49	MP GAMMA3	PY	.011	.011	0	0
50	MP GAMMA2	PY	.011	.011	0	0
51	MP GAMMA1	PY	.011	.011	0	0
52	MP ALPHA4	PY	.011	.011	0	0
53	MP BETA3	PY	.011	.011	0	0
54	MP BETA2	PY	.011	.011	0	0
55	MP BETA1	PY	.011	.011	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	.008	.008	0	0
8	SO2	PY	.008	.008	0	0
9	SO1	PY	.008	.008	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	.002	.002	0	0
17	PLATECORNER1B	PY	.002	.002	0	0
18	PLATECORNER1A	PY	.002	.002	0	0
19	PLATE12	PY	.002	.002	0	0
20	PLATE11	PY	.002	.002	0	0
21	PLATE10	PY	.002	.002	0	0
22	PLATE9	PY	.002	.002	0	0
23	PLATE8	PY	.002	.002	0	0
24	PLATE7	PY	.002	.002	0	0
25	PLATE6	PY	.002	.002	0	0
26	PLATE5	PY	.002	.002	0	0
27	PLATE4	PY	.002	.002	0	0
28	PLATE3	PY	.002	.002	0	0
29	PLATE2	PY	.002	.002	0	0
30	PLATE1	PY	.002	.002	0	0
31	MP ALPHA3	PY	.009	.009	0	0
32	MP ALPHA2	PY	.009	.009	0	0
33	MP ALPHA1	PY	.009	.009	0	0
34	RAIL3	PY	.006	.006	0	0
35	RAIL2	PY	.006	.006	0	0

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,%]
36	RAIL1	PY	.003	.003	0	0
37	FACE3	PY	.008	.008	0	0
38	FACE2	PY	.008	.008	0	0
39	FACE1	PY	.004	.004	0	0
40	CR3B	PY	.008	.008	0	0
41	CR3A	PY	.008	.008	0	0
42	CR2B	PY	.008	.008	0	0
43	CR2A	PY	.008	.008	0	0
44	CR1B	PY	.008	.008	0	0
45	CR1A	PY	.008	.008	0	0
46	ANGLE3	PY	.008	.008	0	0
47	ANGLE2	PY	.008	.008	0	0
48	ANGLE1	PY	.008	.008	0	0
49	MP GAMMA3	PY	.009	.009	0	0
50	MP GAMMA2	PY	.009	.009	0	0
51	MP GAMMA1	PY	.009	.009	0	0
52	MP ALPHA4	PY	.009	.009	0	0
53	MP BETA3	PY	.009	.009	0	0
54	MP BETA2	PY	.009	.009	0	0
55	MP BETA1	PY	.009	.009	0	0
56	SUP3B	PX	.004	.004	0	0
57	SUP3A	PX	.004	.004	0	0
58	SUP2B	PX	.004	.004	0	0
59	SUP2A	PX	.004	.004	0	0
60	SUP1B	PX	.004	.004	0	0
61	SUP1A	PX	.004	.004	0	0
62	SO3	PX	.005	.005	0	0
63	SO2	PX	.005	.005	0	0
64	SO1	PX	.005	.005	0	0
65	PLATECORNER3C	PX	.000927	.000927	0	0
66	PLATECORNER3B	PX	.000927	.000927	0	0
67	PLATECORNER3A	PX	.000927	.000927	0	0
68	PLATECORNER2C	PX	.000927	.000927	0	0
69	PLATECORNER2B	PX	.000927	.000927	0	0
70	PLATECORNER2A	PX	.000927	.000927	0	0
71	PLATECORNER1C	PX	.000927	.000927	0	0
72	PLATECORNER1B	PX	.000927	.000927	0	0
73	PLATECORNER1A	PX	.000927	.000927	0	0
74	PLATE12	PX	.000927	.000927	0	0
75	PLATE11	PX	.000927	.000927	0	0
76	PLATE10	PX	.000927	.000927	0	0
77	PLATE9	PX	.000927	.000927	0	0
78	PLATE8	PX	.000927	.000927	0	0
79	PLATE7	PX	.000927	.000927	0	0
80	PLATE6	PX	.000927	.000927	0	0
81	PLATE5	PX	.000927	.000927	0	0
82	PLATE4	PX	.000927	.000927	0	0
83	PLATE3	PX	.000927	.000927	0	0
84	PLATE2	PX	.000927	.000927	0	0
85	PLATE1	PX	.000927	.000927	0	0
86	MP ALPHA3	PX	.005	.005	0	0
87	MP ALPHA2	PX	.005	.005	0	0
88	MP ALPHA1	PX	.005	.005	0	0
89	RAIL3	PX	.003	.003	0	0
90	RAIL2	PX	.003	.003	0	0
91	RAIL1	PX	.002	.002	0	0
92	FACE3	PX	.005	.005	0	0

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,%]
93	FACE2	PX	.005	.005	0	0
94	FACE1	PX	.002	.002	0	0
95	CR3B	PX	.005	.005	0	0
96	CR3A	PX	.005	.005	0	0
97	CR2B	PX	.005	.005	0	0
98	CR2A	PX	.005	.005	0	0
99	CR1B	PX	.005	.005	0	0
100	CR1A	PX	.005	.005	0	0
101	ANGLE3	PX	.005	.005	0	0
102	ANGLE2	PX	.005	.005	0	0
103	ANGLE1	PX	.005	.005	0	0
104	MP GAMMA3	PX	.005	.005	0	0
105	MP GAMMA2	PX	.005	.005	0	0
106	MP GAMMA1	PX	.005	.005	0	0
107	MP ALPHA4	PX	.005	.005	0	0
108	MP BETA3	PX	.005	.005	0	0
109	MP BETA2	PX	.005	.005	0	0
110	MP BETA1	PX	.005	.005	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	.004	.004	0	0
2	SUP3A	PY	.004	.004	0	0
3	SUP2B	PY	.004	.004	0	0
4	SUP2A	PY	.004	.004	0	0
5	SUP1B	PY	.004	.004	0	0
6	SUP1A	PY	.004	.004	0	0
7	SO3	PY	.005	.005	0	0
8	SO2	PY	.005	.005	0	0
9	SO1	PY	.005	.005	0	0
10	PLATECORNER3C	PY	.000927	.000927	0	0
11	PLATECORNER3B	PY	.000927	.000927	0	0
12	PLATECORNER3A	PY	.000927	.000927	0	0
13	PLATECORNER2C	PY	.000927	.000927	0	0
14	PLATECORNER2B	PY	.000927	.000927	0	0
15	PLATECORNER2A	PY	.000927	.000927	0	0
16	PLATECORNER1C	PY	.000927	.000927	0	0
17	PLATECORNER1B	PY	.000927	.000927	0	0
18	PLATECORNER1A	PY	.000927	.000927	0	0
19	PLATE12	PY	.000927	.000927	0	0
20	PLATE11	PY	.000927	.000927	0	0
21	PLATE10	PY	.000927	.000927	0	0
22	PLATE9	PY	.000927	.000927	0	0
23	PLATE8	PY	.000927	.000927	0	0
24	PLATE7	PY	.000927	.000927	0	0
25	PLATE6	PY	.000927	.000927	0	0
26	PLATE5	PY	.000927	.000927	0	0
27	PLATE4	PY	.000927	.000927	0	0
28	PLATE3	PY	.000927	.000927	0	0
29	PLATE2	PY	.000927	.000927	0	0
30	PLATE1	PY	.000927	.000927	0	0
31	MP ALPHA3	PY	.005	.005	0	0
32	MP ALPHA2	PY	.005	.005	0	0
33	MP ALPHA1	PY	.005	.005	0	0
34	RAIL3	PY	.003	.003	0	0
35	RAIL2	PY	.003	.003	0	0

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,%]
36	RAIL1	PY	.002	.002	0	0
37	FACE3	PY	.005	.005	0	0
38	FACE2	PY	.005	.005	0	0
39	FACE1	PY	.002	.002	0	0
40	CR3B	PY	.005	.005	0	0
41	CR3A	PY	.005	.005	0	0
42	CR2B	PY	.005	.005	0	0
43	CR2A	PY	.005	.005	0	0
44	CR1B	PY	.005	.005	0	0
45	CR1A	PY	.005	.005	0	0
46	ANGLE3	PY	.005	.005	0	0
47	ANGLE2	PY	.005	.005	0	0
48	ANGLE1	PY	.005	.005	0	0
49	MP GAMMA3	PY	.005	.005	0	0
50	MP GAMMA2	PY	.005	.005	0	0
51	MP GAMMA1	PY	.005	.005	0	0
52	MP ALPHA4	PY	.005	.005	0	0
53	MP BETA3	PY	.005	.005	0	0
54	MP BETA2	PY	.005	.005	0	0
55	MP BETA1	PY	.005	.005	0	0
56	SUP3B	PX	.006	.006	0	0
57	SUP3A	PX	.006	.006	0	0
58	SUP2B	PX	.006	.006	0	0
59	SUP2A	PX	.006	.006	0	0
60	SUP1B	PX	.006	.006	0	0
61	SUP1A	PX	.006	.006	0	0
62	SO3	PX	.008	.008	0	0
63	SO2	PX	.008	.008	0	0
64	SO1	PX	.008	.008	0	0
65	PLATECORNER3C	PX	.002	.002	0	0
66	PLATECORNER3B	PX	.002	.002	0	0
67	PLATECORNER3A	PX	.002	.002	0	0
68	PLATECORNER2C	PX	.002	.002	0	0
69	PLATECORNER2B	PX	.002	.002	0	0
70	PLATECORNER2A	PX	.002	.002	0	0
71	PLATECORNER1C	PX	.002	.002	0	0
72	PLATECORNER1B	PX	.002	.002	0	0
73	PLATECORNER1A	PX	.002	.002	0	0
74	PLATE12	PX	.002	.002	0	0
75	PLATE11	PX	.002	.002	0	0
76	PLATE10	PX	.002	.002	0	0
77	PLATE9	PX	.002	.002	0	0
78	PLATE8	PX	.002	.002	0	0
79	PLATE7	PX	.002	.002	0	0
80	PLATE6	PX	.002	.002	0	0
81	PLATE5	PX	.002	.002	0	0
82	PLATE4	PX	.002	.002	0	0
83	PLATE3	PX	.002	.002	0	0
84	PLATE2	PX	.002	.002	0	0
85	PLATE1	PX	.002	.002	0	0
86	MP ALPHA3	PX	.009	.009	0	0
87	MP ALPHA2	PX	.009	.009	0	0
88	MP ALPHA1	PX	.009	.009	0	0
89	RAIL3	PX	.006	.006	0	0
90	RAIL2	PX	.006	.006	0	0
91	RAIL1	PX	.003	.003	0	0
92	FACE3	PX	.008	.008	0	0

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,%]
93	FACE2	PX	.008	.008	0	0
94	FACE1	PX	.004	.004	0	0
95	CR3B	PX	.008	.008	0	0
96	CR3A	PX	.008	.008	0	0
97	CR2B	PX	.008	.008	0	0
98	CR2A	PX	.008	.008	0	0
99	CR1B	PX	.008	.008	0	0
100	CR1A	PX	.008	.008	0	0
101	ANGLE3	PX	.008	.008	0	0
102	ANGLE2	PX	.008	.008	0	0
103	ANGLE1	PX	.008	.008	0	0
104	MP GAMMA3	PX	.009	.009	0	0
105	MP GAMMA2	PX	.009	.009	0	0
106	MP GAMMA1	PX	.009	.009	0	0
107	MP ALPHA4	PX	.009	.009	0	0
108	MP BETA3	PX	.009	.009	0	0
109	MP BETA2	PX	.009	.009	0	0
110	MP BETA1	PX	.009	.009	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,%]
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	.009	.009	0	0
8	SO2	PX	.009	.009	0	0
9	SO1	PX	.009	.009	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	.002	.002	0	0
17	PLATECORNER1B	PX	.002	.002	0	0
18	PLATECORNER1A	PX	.002	.002	0	0
19	PLATE12	PX	.002	.002	0	0
20	PLATE11	PX	.002	.002	0	0
21	PLATE10	PX	.002	.002	0	0
22	PLATE9	PX	.002	.002	0	0
23	PLATE8	PX	.002	.002	0	0
24	PLATE7	PX	.002	.002	0	0
25	PLATE6	PX	.002	.002	0	0
26	PLATE5	PX	.002	.002	0	0
27	PLATE4	PX	.002	.002	0	0
28	PLATE3	PX	.002	.002	0	0
29	PLATE2	PX	.002	.002	0	0
30	PLATE1	PX	.002	.002	0	0
31	MP ALPHA3	PX	.011	.011	0	0
32	MP ALPHA2	PX	.011	.011	0	0
33	MP ALPHA1	PX	.011	.011	0	0
34	RAIL3	PX	.006	.006	0	0
35	RAIL2	PX	.006	.006	0	0

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,%]
36	RAIL1	PX	.003	.003	0	0
37	FACE3	PX	.009	.009	0	0
38	FACE2	PX	.009	.009	0	0
39	FACE1	PX	.005	.005	0	0
40	CR3B	PX	.009	.009	0	0
41	CR3A	PX	.009	.009	0	0
42	CR2B	PX	.009	.009	0	0
43	CR2A	PX	.009	.009	0	0
44	CR1B	PX	.009	.009	0	0
45	CR1A	PX	.009	.009	0	0
46	ANGLE3	PX	.009	.009	0	0
47	ANGLE2	PX	.009	.009	0	0
48	ANGLE1	PX	.009	.009	0	0
49	MP GAMMA3	PX	.011	.011	0	0
50	MP GAMMA2	PX	.011	.011	0	0
51	MP GAMMA1	PX	.011	.011	0	0
52	MP ALPHA4	PX	.011	.011	0	0
53	MP BETA3	PX	.011	.011	0	0
54	MP BETA2	PX	.011	.011	0	0
55	MP BETA1	PX	.011	.011	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	-.004	-.004	0	0
2	SUP3A	PY	-.004	-.004	0	0
3	SUP2B	PY	-.004	-.004	0	0
4	SUP2A	PY	-.004	-.004	0	0
5	SUP1B	PY	-.004	-.004	0	0
6	SUP1A	PY	-.004	-.004	0	0
7	SO3	PY	-.005	-.005	0	0
8	SO2	PY	-.005	-.005	0	0
9	SO1	PY	-.005	-.005	0	0
10	PLATECORNER3C	PY	-.000927	-.000927	0	0
11	PLATECORNER3B	PY	-.000927	-.000927	0	0
12	PLATECORNER3A	PY	-.000927	-.000927	0	0
13	PLATECORNER2C	PY	-.000927	-.000927	0	0
14	PLATECORNER2B	PY	-.000927	-.000927	0	0
15	PLATECORNER2A	PY	-.000927	-.000927	0	0
16	PLATECORNER1C	PY	-.000927	-.000927	0	0
17	PLATECORNER1B	PY	-.000927	-.000927	0	0
18	PLATECORNER1A	PY	-.000927	-.000927	0	0
19	PLATE12	PY	-.000927	-.000927	0	0
20	PLATE11	PY	-.000927	-.000927	0	0
21	PLATE10	PY	-.000927	-.000927	0	0
22	PLATE9	PY	-.000927	-.000927	0	0
23	PLATE8	PY	-.000927	-.000927	0	0
24	PLATE7	PY	-.000927	-.000927	0	0
25	PLATE6	PY	-.000927	-.000927	0	0
26	PLATE5	PY	-.000927	-.000927	0	0
27	PLATE4	PY	-.000927	-.000927	0	0
28	PLATE3	PY	-.000927	-.000927	0	0
29	PLATE2	PY	-.000927	-.000927	0	0
30	PLATE1	PY	-.000927	-.000927	0	0
31	MP ALPHA3	PY	-.005	-.005	0	0
32	MP ALPHA2	PY	-.005	-.005	0	0
33	MP ALPHA1	PY	-.005	-.005	0	0

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,%]
34	RAIL3	PY	-.003	-.003	0	0
35	RAIL2	PY	-.003	-.003	0	0
36	RAIL1	PY	-.002	-.002	0	0
37	FACE3	PY	-.005	-.005	0	0
38	FACE2	PY	-.005	-.005	0	0
39	FACE1	PY	-.002	-.002	0	0
40	CR3B	PY	-.005	-.005	0	0
41	CR3A	PY	-.005	-.005	0	0
42	CR2B	PY	-.005	-.005	0	0
43	CR2A	PY	-.005	-.005	0	0
44	CR1B	PY	-.005	-.005	0	0
45	CR1A	PY	-.005	-.005	0	0
46	ANGLE3	PY	-.005	-.005	0	0
47	ANGLE2	PY	-.005	-.005	0	0
48	ANGLE1	PY	-.005	-.005	0	0
49	MP GAMMA3	PY	-.005	-.005	0	0
50	MP GAMMA2	PY	-.005	-.005	0	0
51	MP GAMMA1	PY	-.005	-.005	0	0
52	MP ALPHA4	PY	-.005	-.005	0	0
53	MP BETA3	PY	-.005	-.005	0	0
54	MP BETA2	PY	-.005	-.005	0	0
55	MP BETA1	PY	-.005	-.005	0	0
56	SUP3B	PX	.006	.006	0	0
57	SUP3A	PX	.006	.006	0	0
58	SUP2B	PX	.006	.006	0	0
59	SUP2A	PX	.006	.006	0	0
60	SUP1B	PX	.006	.006	0	0
61	SUP1A	PX	.006	.006	0	0
62	SO3	PX	.008	.008	0	0
63	SO2	PX	.008	.008	0	0
64	SO1	PX	.008	.008	0	0
65	PLATECORNER3C	PX	.002	.002	0	0
66	PLATECORNER3B	PX	.002	.002	0	0
67	PLATECORNER3A	PX	.002	.002	0	0
68	PLATECORNER2C	PX	.002	.002	0	0
69	PLATECORNER2B	PX	.002	.002	0	0
70	PLATECORNER2A	PX	.002	.002	0	0
71	PLATECORNER1C	PX	.002	.002	0	0
72	PLATECORNER1B	PX	.002	.002	0	0
73	PLATECORNER1A	PX	.002	.002	0	0
74	PLATE12	PX	.002	.002	0	0
75	PLATE11	PX	.002	.002	0	0
76	PLATE10	PX	.002	.002	0	0
77	PLATE9	PX	.002	.002	0	0
78	PLATE8	PX	.002	.002	0	0
79	PLATE7	PX	.002	.002	0	0
80	PLATE6	PX	.002	.002	0	0
81	PLATE5	PX	.002	.002	0	0
82	PLATE4	PX	.002	.002	0	0
83	PLATE3	PX	.002	.002	0	0
84	PLATE2	PX	.002	.002	0	0
85	PLATE1	PX	.002	.002	0	0
86	MP ALPHA3	PX	.009	.009	0	0
87	MP ALPHA2	PX	.009	.009	0	0
88	MP ALPHA1	PX	.009	.009	0	0
89	RAIL3	PX	.006	.006	0	0
90	RAIL2	PX	.006	.006	0	0

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,%]
91	RAIL1	PX	.003	.003	0	0
92	FACE3	PX	.008	.008	0	0
93	FACE2	PX	.008	.008	0	0
94	FACE1	PX	.004	.004	0	0
95	CR3B	PX	.008	.008	0	0
96	CR3A	PX	.008	.008	0	0
97	CR2B	PX	.008	.008	0	0
98	CR2A	PX	.008	.008	0	0
99	CR1B	PX	.008	.008	0	0
100	CR1A	PX	.008	.008	0	0
101	ANGLE3	PX	.008	.008	0	0
102	ANGLE2	PX	.008	.008	0	0
103	ANGLE1	PX	.008	.008	0	0
104	MP GAMMA3	PX	.009	.009	0	0
105	MP GAMMA2	PX	.009	.009	0	0
106	MP GAMMA1	PX	.009	.009	0	0
107	MP ALPHA4	PX	.009	.009	0	0
108	MP BETA3	PX	.009	.009	0	0
109	MP BETA2	PX	.009	.009	0	0
110	MP BETA1	PX	.009	.009	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	-.008	-.008	0	0
8	SO2	PY	-.008	-.008	0	0
9	SO1	PY	-.008	-.008	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	-.002	-.002	0	0
17	PLATECORNER1B	PY	-.002	-.002	0	0
18	PLATECORNER1A	PY	-.002	-.002	0	0
19	PLATE12	PY	-.002	-.002	0	0
20	PLATE11	PY	-.002	-.002	0	0
21	PLATE10	PY	-.002	-.002	0	0
22	PLATE9	PY	-.002	-.002	0	0
23	PLATE8	PY	-.002	-.002	0	0
24	PLATE7	PY	-.002	-.002	0	0
25	PLATE6	PY	-.002	-.002	0	0
26	PLATE5	PY	-.002	-.002	0	0
27	PLATE4	PY	-.002	-.002	0	0
28	PLATE3	PY	-.002	-.002	0	0
29	PLATE2	PY	-.002	-.002	0	0
30	PLATE1	PY	-.002	-.002	0	0
31	MP ALPHA3	PY	-.009	-.009	0	0
32	MP ALPHA2	PY	-.009	-.009	0	0
33	MP ALPHA1	PY	-.009	-.009	0	0

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,%]
34	RAIL3	PY	-.006	-.006	0	0
35	RAIL2	PY	-.006	-.006	0	0
36	RAIL1	PY	-.003	-.003	0	0
37	FACE3	PY	-.008	-.008	0	0
38	FACE2	PY	-.008	-.008	0	0
39	FACE1	PY	-.004	-.004	0	0
40	CR3B	PY	-.008	-.008	0	0
41	CR3A	PY	-.008	-.008	0	0
42	CR2B	PY	-.008	-.008	0	0
43	CR2A	PY	-.008	-.008	0	0
44	CR1B	PY	-.008	-.008	0	0
45	CR1A	PY	-.008	-.008	0	0
46	ANGLE3	PY	-.008	-.008	0	0
47	ANGLE2	PY	-.008	-.008	0	0
48	ANGLE1	PY	-.008	-.008	0	0
49	MP GAMMA3	PY	-.009	-.009	0	0
50	MP GAMMA2	PY	-.009	-.009	0	0
51	MP GAMMA1	PY	-.009	-.009	0	0
52	MP ALPHA4	PY	-.009	-.009	0	0
53	MP BETA3	PY	-.009	-.009	0	0
54	MP BETA2	PY	-.009	-.009	0	0
55	MP BETA1	PY	-.009	-.009	0	0
56	SUP3B	PX	.004	.004	0	0
57	SUP3A	PX	.004	.004	0	0
58	SUP2B	PX	.004	.004	0	0
59	SUP2A	PX	.004	.004	0	0
60	SUP1B	PX	.004	.004	0	0
61	SUP1A	PX	.004	.004	0	0
62	SO3	PX	.005	.005	0	0
63	SO2	PX	.005	.005	0	0
64	SO1	PX	.005	.005	0	0
65	PLATECORNER3C	PX	.000927	.000927	0	0
66	PLATECORNER3B	PX	.000927	.000927	0	0
67	PLATECORNER3A	PX	.000927	.000927	0	0
68	PLATECORNER2C	PX	.000927	.000927	0	0
69	PLATECORNER2B	PX	.000927	.000927	0	0
70	PLATECORNER2A	PX	.000927	.000927	0	0
71	PLATECORNER1C	PX	.000927	.000927	0	0
72	PLATECORNER1B	PX	.000927	.000927	0	0
73	PLATECORNER1A	PX	.000927	.000927	0	0
74	PLATE12	PX	.000927	.000927	0	0
75	PLATE11	PX	.000927	.000927	0	0
76	PLATE10	PX	.000927	.000927	0	0
77	PLATE9	PX	.000927	.000927	0	0
78	PLATE8	PX	.000927	.000927	0	0
79	PLATE7	PX	.000927	.000927	0	0
80	PLATE6	PX	.000927	.000927	0	0
81	PLATE5	PX	.000927	.000927	0	0
82	PLATE4	PX	.000927	.000927	0	0
83	PLATE3	PX	.000927	.000927	0	0
84	PLATE2	PX	.000927	.000927	0	0
85	PLATE1	PX	.000927	.000927	0	0
86	MP ALPHA3	PX	.005	.005	0	0
87	MP ALPHA2	PX	.005	.005	0	0
88	MP ALPHA1	PX	.005	.005	0	0
89	RAIL3	PX	.003	.003	0	0
90	RAIL2	PX	.003	.003	0	0

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,%]
91	RAIL1	PX	.002	.002	0	0
92	FACE3	PX	.005	.005	0	0
93	FACE2	PX	.005	.005	0	0
94	FACE1	PX	.002	.002	0	0
95	CR3B	PX	.005	.005	0	0
96	CR3A	PX	.005	.005	0	0
97	CR2B	PX	.005	.005	0	0
98	CR2A	PX	.005	.005	0	0
99	CR1B	PX	.005	.005	0	0
100	CR1A	PX	.005	.005	0	0
101	ANGLE3	PX	.005	.005	0	0
102	ANGLE2	PX	.005	.005	0	0
103	ANGLE1	PX	.005	.005	0	0
104	MP GAMMA3	PX	.005	.005	0	0
105	MP GAMMA2	PX	.005	.005	0	0
106	MP GAMMA1	PX	.005	.005	0	0
107	MP ALPHA4	PX	.005	.005	0	0
108	MP BETA3	PX	.005	.005	0	0
109	MP BETA2	PX	.005	.005	0	0
110	MP BETA1	PX	.005	.005	0	0

Member Distributed Loads (BLC 15 : Maintanence (0))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-.000441	-.000441	0	0
2	SUP3A	PY	-.000441	-.000441	0	0
3	SUP2B	PY	-.000441	-.000441	0	0
4	SUP2A	PY	-.000441	-.000441	0	0
5	SUP1B	PY	-.000441	-.000441	0	0
6	SUP1A	PY	-.000441	-.000441	0	0
7	SO3	PY	-.000552	-.000552	0	0
8	SO2	PY	-.000552	-.000552	0	0
9	SO1	PY	-.000552	-.000552	0	0
10	PLATECORNER3C	PY	-.00011	-.00011	0	0
11	PLATECORNER3B	PY	-.00011	-.00011	0	0
12	PLATECORNER3A	PY	-.00011	-.00011	0	0
13	PLATECORNER2C	PY	-.00011	-.00011	0	0
14	PLATECORNER2B	PY	-.00011	-.00011	0	0
15	PLATECORNER2A	PY	-.00011	-.00011	0	0
16	PLATECORNER1C	PY	-.00011	-.00011	0	0
17	PLATECORNER1B	PY	-.00011	-.00011	0	0
18	PLATECORNER1A	PY	-.00011	-.00011	0	0
19	PLATE12	PY	-.00011	-.00011	0	0
20	PLATE11	PY	-.00011	-.00011	0	0
21	PLATE10	PY	-.00011	-.00011	0	0
22	PLATE9	PY	-.00011	-.00011	0	0
23	PLATE8	PY	-.00011	-.00011	0	0
24	PLATE7	PY	-.00011	-.00011	0	0
25	PLATE6	PY	-.00011	-.00011	0	0
26	PLATE5	PY	-.00011	-.00011	0	0
27	PLATE4	PY	-.00011	-.00011	0	0
28	PLATE3	PY	-.00011	-.00011	0	0
29	PLATE2	PY	-.00011	-.00011	0	0
30	PLATE1	PY	-.00011	-.00011	0	0
31	MP ALPHA3	PY	-.000629	-.000629	0	0
32	MP ALPHA2	PY	-.000629	-.000629	0	0
33	MP ALPHA1	PY	-.000629	-.000629	0	0

Member Distributed Loads (BLC 15 : Maintanence (0)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
34	RAIL3	PY	-.000382	-.000382	0	0
35	RAIL2	PY	-.000382	-.000382	0	0
36	RAIL1	PY	-.000191	-.000191	0	0
37	FACE3	PY	-.000563	-.000563	0	0
38	FACE2	PY	-.000563	-.000563	0	0
39	FACE1	PY	-.000282	-.000282	0	0
40	CR3B	PY	-.000552	-.000552	0	0
41	CR3A	PY	-.000552	-.000552	0	0
42	CR2B	PY	-.000552	-.000552	0	0
43	CR2A	PY	-.000552	-.000552	0	0
44	CR1B	PY	-.000552	-.000552	0	0
45	CR1A	PY	-.000552	-.000552	0	0
46	ANGLE3	PY	-.000552	-.000552	0	0
47	ANGLE2	PY	-.000552	-.000552	0	0
48	ANGLE1	PY	-.000552	-.000552	0	0
49	MP GAMMA3	PY	-.000629	-.000629	0	0
50	MP GAMMA2	PY	-.000629	-.000629	0	0
51	MP GAMMA1	PY	-.000629	-.000629	0	0
52	MP ALPHA4	PY	-.000629	-.000629	0	0
53	MP BETA3	PY	-.000629	-.000629	0	0
54	MP BETA2	PY	-.000629	-.000629	0	0
55	MP BETA1	PY	-.000629	-.000629	0	0

Member Distributed Loads (BLC 16 : Maintanence (30))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-.000382	-.000382	0	0
2	SUP3A	PY	-.000382	-.000382	0	0
3	SUP2B	PY	-.000382	-.000382	0	0
4	SUP2A	PY	-.000382	-.000382	0	0
5	SUP1B	PY	-.000382	-.000382	0	0
6	SUP1A	PY	-.000382	-.000382	0	0
7	SO3	PY	-.000478	-.000478	0	0
8	SO2	PY	-.000478	-.000478	0	0
9	SO1	PY	-.000478	-.000478	0	0
10	PLATECORNER3C	PY	-9.6e-5	-9.6e-5	0	0
11	PLATECORNER3B	PY	-9.6e-5	-9.6e-5	0	0
12	PLATECORNER3A	PY	-9.6e-5	-9.6e-5	0	0
13	PLATECORNER2C	PY	-9.6e-5	-9.6e-5	0	0
14	PLATECORNER2B	PY	-9.6e-5	-9.6e-5	0	0
15	PLATECORNER2A	PY	-9.6e-5	-9.6e-5	0	0
16	PLATECORNER1C	PY	-9.6e-5	-9.6e-5	0	0
17	PLATECORNER1B	PY	-9.6e-5	-9.6e-5	0	0
18	PLATECORNER1A	PY	-9.6e-5	-9.6e-5	0	0
19	PLATE12	PY	-9.6e-5	-9.6e-5	0	0
20	PLATE11	PY	-9.6e-5	-9.6e-5	0	0
21	PLATE10	PY	-9.6e-5	-9.6e-5	0	0
22	PLATE9	PY	-9.6e-5	-9.6e-5	0	0
23	PLATE8	PY	-9.6e-5	-9.6e-5	0	0
24	PLATE7	PY	-9.6e-5	-9.6e-5	0	0
25	PLATE6	PY	-9.6e-5	-9.6e-5	0	0
26	PLATE5	PY	-9.6e-5	-9.6e-5	0	0
27	PLATE4	PY	-9.6e-5	-9.6e-5	0	0
28	PLATE3	PY	-9.6e-5	-9.6e-5	0	0
29	PLATE2	PY	-9.6e-5	-9.6e-5	0	0
30	PLATE1	PY	-9.6e-5	-9.6e-5	0	0
31	MP ALPHA3	PY	-.000545	-.000545	0	0

Member Distributed Loads (BLC 16 : Maintanence (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
32	MP ALPHA2	PY	-.000545	-.000545	0	0
33	MP ALPHA1	PY	-.000545	-.000545	0	0
34	RAIL3	PY	-.000331	-.000331	0	0
35	RAIL2	PY	-.000331	-.000331	0	0
36	RAIL1	PY	-.000165	-.000165	0	0
37	FACE3	PY	-.000488	-.000488	0	0
38	FACE2	PY	-.000488	-.000488	0	0
39	FACE1	PY	-.000244	-.000244	0	0
40	CR3B	PY	-.000478	-.000478	0	0
41	CR3A	PY	-.000478	-.000478	0	0
42	CR2B	PY	-.000478	-.000478	0	0
43	CR2A	PY	-.000478	-.000478	0	0
44	CR1B	PY	-.000478	-.000478	0	0
45	CR1A	PY	-.000478	-.000478	0	0
46	ANGLE3	PY	-.000478	-.000478	0	0
47	ANGLE2	PY	-.000478	-.000478	0	0
48	ANGLE1	PY	-.000478	-.000478	0	0
49	MP GAMMA3	PY	-.000545	-.000545	0	0
50	MP GAMMA2	PY	-.000545	-.000545	0	0
51	MP GAMMA1	PY	-.000545	-.000545	0	0
52	MP ALPHA4	PY	-.000545	-.000545	0	0
53	MP BETA3	PY	-.000545	-.000545	0	0
54	MP BETA2	PY	-.000545	-.000545	0	0
55	MP BETA1	PY	-.000545	-.000545	0	0
56	SUP3B	PX	-.000221	-.000221	0	0
57	SUP3A	PX	-.000221	-.000221	0	0
58	SUP2B	PX	-.000221	-.000221	0	0
59	SUP2A	PX	-.000221	-.000221	0	0
60	SUP1B	PX	-.000221	-.000221	0	0
61	SUP1A	PX	-.000221	-.000221	0	0
62	SO3	PX	-.000276	-.000276	0	0
63	SO2	PX	-.000276	-.000276	0	0
64	SO1	PX	-.000276	-.000276	0	0
65	PLATECORNER3C	PX	-5.5e-5	-5.5e-5	0	0
66	PLATECORNER3B	PX	-5.5e-5	-5.5e-5	0	0
67	PLATECORNER3A	PX	-5.5e-5	-5.5e-5	0	0
68	PLATECORNER2C	PX	-5.5e-5	-5.5e-5	0	0
69	PLATECORNER2B	PX	-5.5e-5	-5.5e-5	0	0
70	PLATECORNER2A	PX	-5.5e-5	-5.5e-5	0	0
71	PLATECORNER1C	PX	-5.5e-5	-5.5e-5	0	0
72	PLATECORNER1B	PX	-5.5e-5	-5.5e-5	0	0
73	PLATECORNER1A	PX	-5.5e-5	-5.5e-5	0	0
74	PLATE12	PX	-5.5e-5	-5.5e-5	0	0
75	PLATE11	PX	-5.5e-5	-5.5e-5	0	0
76	PLATE10	PX	-5.5e-5	-5.5e-5	0	0
77	PLATE9	PX	-5.5e-5	-5.5e-5	0	0
78	PLATE8	PX	-5.5e-5	-5.5e-5	0	0
79	PLATE7	PX	-5.5e-5	-5.5e-5	0	0
80	PLATE6	PX	-5.5e-5	-5.5e-5	0	0
81	PLATE5	PX	-5.5e-5	-5.5e-5	0	0
82	PLATE4	PX	-5.5e-5	-5.5e-5	0	0
83	PLATE3	PX	-5.5e-5	-5.5e-5	0	0
84	PLATE2	PX	-5.5e-5	-5.5e-5	0	0
85	PLATE1	PX	-5.5e-5	-5.5e-5	0	0
86	MP ALPHA3	PX	-.000314	-.000314	0	0
87	MP ALPHA2	PX	-.000314	-.000314	0	0
88	MP ALPHA1	PX	-.000314	-.000314	0	0

Member Distributed Loads (BLC 16 : Maintanence (30)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
89	RAIL3	PX	-.000191	-.000191	0	0
90	RAIL2	PX	-.000191	-.000191	0	0
91	RAIL1	PX	-9.6e-5	-9.6e-5	0	0
92	FACE3	PX	-.000282	-.000282	0	0
93	FACE2	PX	-.000282	-.000282	0	0
94	FACE1	PX	-.000141	-.000141	0	0
95	CR3B	PX	-.000276	-.000276	0	0
96	CR3A	PX	-.000276	-.000276	0	0
97	CR2B	PX	-.000276	-.000276	0	0
98	CR2A	PX	-.000276	-.000276	0	0
99	CR1B	PX	-.000276	-.000276	0	0
100	CR1A	PX	-.000276	-.000276	0	0
101	ANGLE3	PX	-.000276	-.000276	0	0
102	ANGLE2	PX	-.000276	-.000276	0	0
103	ANGLE1	PX	-.000276	-.000276	0	0
104	MP GAMMA3	PX	-.000314	-.000314	0	0
105	MP GAMMA2	PX	-.000314	-.000314	0	0
106	MP GAMMA1	PX	-.000314	-.000314	0	0
107	MP ALPHA4	PX	-.000314	-.000314	0	0
108	MP BETA3	PX	-.000314	-.000314	0	0
109	MP BETA2	PX	-.000314	-.000314	0	0
110	MP BETA1	PX	-.000314	-.000314	0	0

Member Distributed Loads (BLC 17 : Maintanence (60))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-.000221	-.000221	0	0
2	SUP3A	PY	-.000221	-.000221	0	0
3	SUP2B	PY	-.000221	-.000221	0	0
4	SUP2A	PY	-.000221	-.000221	0	0
5	SUP1B	PY	-.000221	-.000221	0	0
6	SUP1A	PY	-.000221	-.000221	0	0
7	SO3	PY	-.000276	-.000276	0	0
8	SO2	PY	-.000276	-.000276	0	0
9	SO1	PY	-.000276	-.000276	0	0
10	PLATECORNER3C	PY	-5.5e-5	-5.5e-5	0	0
11	PLATECORNER3B	PY	-5.5e-5	-5.5e-5	0	0
12	PLATECORNER3A	PY	-5.5e-5	-5.5e-5	0	0
13	PLATECORNER2C	PY	-5.5e-5	-5.5e-5	0	0
14	PLATECORNER2B	PY	-5.5e-5	-5.5e-5	0	0
15	PLATECORNER2A	PY	-5.5e-5	-5.5e-5	0	0
16	PLATECORNER1C	PY	-5.5e-5	-5.5e-5	0	0
17	PLATECORNER1B	PY	-5.5e-5	-5.5e-5	0	0
18	PLATECORNER1A	PY	-5.5e-5	-5.5e-5	0	0
19	PLATE12	PY	-5.5e-5	-5.5e-5	0	0
20	PLATE11	PY	-5.5e-5	-5.5e-5	0	0
21	PLATE10	PY	-5.5e-5	-5.5e-5	0	0
22	PLATE9	PY	-5.5e-5	-5.5e-5	0	0
23	PLATE8	PY	-5.5e-5	-5.5e-5	0	0
24	PLATE7	PY	-5.5e-5	-5.5e-5	0	0
25	PLATE6	PY	-5.5e-5	-5.5e-5	0	0
26	PLATE5	PY	-5.5e-5	-5.5e-5	0	0
27	PLATE4	PY	-5.5e-5	-5.5e-5	0	0
28	PLATE3	PY	-5.5e-5	-5.5e-5	0	0
29	PLATE2	PY	-5.5e-5	-5.5e-5	0	0
30	PLATE1	PY	-5.5e-5	-5.5e-5	0	0
31	MP ALPHA3	PY	-.000314	-.000314	0	0

Member Distributed Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
32	MP ALPHA2	PY	-.000314	-.000314	0	0
33	MP ALPHA1	PY	-.000314	-.000314	0	0
34	RAIL3	PY	-.000191	-.000191	0	0
35	RAIL2	PY	-.000191	-.000191	0	0
36	RAIL1	PY	-9.6e-5	-9.6e-5	0	0
37	FACE3	PY	-.000282	-.000282	0	0
38	FACE2	PY	-.000282	-.000282	0	0
39	FACE1	PY	-.000141	-.000141	0	0
40	CR3B	PY	-.000276	-.000276	0	0
41	CR3A	PY	-.000276	-.000276	0	0
42	CR2B	PY	-.000276	-.000276	0	0
43	CR2A	PY	-.000276	-.000276	0	0
44	CR1B	PY	-.000276	-.000276	0	0
45	CR1A	PY	-.000276	-.000276	0	0
46	ANGLE3	PY	-.000276	-.000276	0	0
47	ANGLE2	PY	-.000276	-.000276	0	0
48	ANGLE1	PY	-.000276	-.000276	0	0
49	MP GAMMA3	PY	-.000314	-.000314	0	0
50	MP GAMMA2	PY	-.000314	-.000314	0	0
51	MP GAMMA1	PY	-.000314	-.000314	0	0
52	MP ALPHA4	PY	-.000314	-.000314	0	0
53	MP BETA3	PY	-.000314	-.000314	0	0
54	MP BETA2	PY	-.000314	-.000314	0	0
55	MP BETA1	PY	-.000314	-.000314	0	0
56	SUP3B	PX	-.000382	-.000382	0	0
57	SUP3A	PX	-.000382	-.000382	0	0
58	SUP2B	PX	-.000382	-.000382	0	0
59	SUP2A	PX	-.000382	-.000382	0	0
60	SUP1B	PX	-.000382	-.000382	0	0
61	SUP1A	PX	-.000382	-.000382	0	0
62	SO3	PX	-.000478	-.000478	0	0
63	SO2	PX	-.000478	-.000478	0	0
64	SO1	PX	-.000478	-.000478	0	0
65	PLATECORNER3C	PX	-9.6e-5	-9.6e-5	0	0
66	PLATECORNER3B	PX	-9.6e-5	-9.6e-5	0	0
67	PLATECORNER3A	PX	-9.6e-5	-9.6e-5	0	0
68	PLATECORNER2C	PX	-9.6e-5	-9.6e-5	0	0
69	PLATECORNER2B	PX	-9.6e-5	-9.6e-5	0	0
70	PLATECORNER2A	PX	-9.6e-5	-9.6e-5	0	0
71	PLATECORNER1C	PX	-9.6e-5	-9.6e-5	0	0
72	PLATECORNER1B	PX	-9.6e-5	-9.6e-5	0	0
73	PLATECORNER1A	PX	-9.6e-5	-9.6e-5	0	0
74	PLATE12	PX	-9.6e-5	-9.6e-5	0	0
75	PLATE11	PX	-9.6e-5	-9.6e-5	0	0
76	PLATE10	PX	-9.6e-5	-9.6e-5	0	0
77	PLATE9	PX	-9.6e-5	-9.6e-5	0	0
78	PLATE8	PX	-9.6e-5	-9.6e-5	0	0
79	PLATE7	PX	-9.6e-5	-9.6e-5	0	0
80	PLATE6	PX	-9.6e-5	-9.6e-5	0	0
81	PLATE5	PX	-9.6e-5	-9.6e-5	0	0
82	PLATE4	PX	-9.6e-5	-9.6e-5	0	0
83	PLATE3	PX	-9.6e-5	-9.6e-5	0	0
84	PLATE2	PX	-9.6e-5	-9.6e-5	0	0
85	PLATE1	PX	-9.6e-5	-9.6e-5	0	0
86	MP ALPHA3	PX	-.000545	-.000545	0	0
87	MP ALPHA2	PX	-.000545	-.000545	0	0
88	MP ALPHA1	PX	-.000545	-.000545	0	0

Member Distributed Loads (BLC 17 : Maintanence (60)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
89	RAIL3	PX	-.000331	-.000331	0	0
90	RAIL2	PX	-.000331	-.000331	0	0
91	RAIL1	PX	-.000165	-.000165	0	0
92	FACE3	PX	-.000488	-.000488	0	0
93	FACE2	PX	-.000488	-.000488	0	0
94	FACE1	PX	-.000244	-.000244	0	0
95	CR3B	PX	-.000478	-.000478	0	0
96	CR3A	PX	-.000478	-.000478	0	0
97	CR2B	PX	-.000478	-.000478	0	0
98	CR2A	PX	-.000478	-.000478	0	0
99	CR1B	PX	-.000478	-.000478	0	0
100	CR1A	PX	-.000478	-.000478	0	0
101	ANGLE3	PX	-.000478	-.000478	0	0
102	ANGLE2	PX	-.000478	-.000478	0	0
103	ANGLE1	PX	-.000478	-.000478	0	0
104	MP GAMMA3	PX	-.000545	-.000545	0	0
105	MP GAMMA2	PX	-.000545	-.000545	0	0
106	MP GAMMA1	PX	-.000545	-.000545	0	0
107	MP ALPHA4	PX	-.000545	-.000545	0	0
108	MP BETA3	PX	-.000545	-.000545	0	0
109	MP BETA2	PX	-.000545	-.000545	0	0
110	MP BETA1	PX	-.000545	-.000545	0	0

Member Distributed Loads (BLC 18 : Maintanence (90))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PX	-.000441	-.000441	0	0
2	SUP3A	PX	-.000441	-.000441	0	0
3	SUP2B	PX	-.000441	-.000441	0	0
4	SUP2A	PX	-.000441	-.000441	0	0
5	SUP1B	PX	-.000441	-.000441	0	0
6	SUP1A	PX	-.000441	-.000441	0	0
7	SO3	PX	-.000552	-.000552	0	0
8	SO2	PX	-.000552	-.000552	0	0
9	SO1	PX	-.000552	-.000552	0	0
10	PLATECORNER3C	PX	-.00011	-.00011	0	0
11	PLATECORNER3B	PX	-.00011	-.00011	0	0
12	PLATECORNER3A	PX	-.00011	-.00011	0	0
13	PLATECORNER2C	PX	-.00011	-.00011	0	0
14	PLATECORNER2B	PX	-.00011	-.00011	0	0
15	PLATECORNER2A	PX	-.00011	-.00011	0	0
16	PLATECORNER1C	PX	-.00011	-.00011	0	0
17	PLATECORNER1B	PX	-.00011	-.00011	0	0
18	PLATECORNER1A	PX	-.00011	-.00011	0	0
19	PLATE12	PX	-.00011	-.00011	0	0
20	PLATE11	PX	-.00011	-.00011	0	0
21	PLATE10	PX	-.00011	-.00011	0	0
22	PLATE9	PX	-.00011	-.00011	0	0
23	PLATE8	PX	-.00011	-.00011	0	0
24	PLATE7	PX	-.00011	-.00011	0	0
25	PLATE6	PX	-.00011	-.00011	0	0
26	PLATE5	PX	-.00011	-.00011	0	0
27	PLATE4	PX	-.00011	-.00011	0	0
28	PLATE3	PX	-.00011	-.00011	0	0
29	PLATE2	PX	-.00011	-.00011	0	0
30	PLATE1	PX	-.00011	-.00011	0	0
31	MP ALPHA3	PX	-.000629	-.000629	0	0

Member Distributed Loads (BLC 18 : Maintanence (90)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
32	MP ALPHA2	PX	-.000629	-.000629	0	0
33	MP ALPHA1	PX	-.000629	-.000629	0	0
34	RAIL3	PX	-.000382	-.000382	0	0
35	RAIL2	PX	-.000382	-.000382	0	0
36	RAIL1	PX	-.000191	-.000191	0	0
37	FACE3	PX	-.000563	-.000563	0	0
38	FACE2	PX	-.000563	-.000563	0	0
39	FACE1	PX	-.000282	-.000282	0	0
40	CR3B	PX	-.000552	-.000552	0	0
41	CR3A	PX	-.000552	-.000552	0	0
42	CR2B	PX	-.000552	-.000552	0	0
43	CR2A	PX	-.000552	-.000552	0	0
44	CR1B	PX	-.000552	-.000552	0	0
45	CR1A	PX	-.000552	-.000552	0	0
46	ANGLE3	PX	-.000552	-.000552	0	0
47	ANGLE2	PX	-.000552	-.000552	0	0
48	ANGLE1	PX	-.000552	-.000552	0	0
49	MP GAMMA3	PX	-.000629	-.000629	0	0
50	MP GAMMA2	PX	-.000629	-.000629	0	0
51	MP GAMMA1	PX	-.000629	-.000629	0	0
52	MP ALPHA4	PX	-.000629	-.000629	0	0
53	MP BETA3	PX	-.000629	-.000629	0	0
54	MP BETA2	PX	-.000629	-.000629	0	0
55	MP BETA1	PX	-.000629	-.000629	0	0

Member Distributed Loads (BLC 19 : Maintanence (120))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	.000221	.000221	0	0
2	SUP3A	PY	.000221	.000221	0	0
3	SUP2B	PY	.000221	.000221	0	0
4	SUP2A	PY	.000221	.000221	0	0
5	SUP1B	PY	.000221	.000221	0	0
6	SUP1A	PY	.000221	.000221	0	0
7	SO3	PY	.000276	.000276	0	0
8	SO2	PY	.000276	.000276	0	0
9	SO1	PY	.000276	.000276	0	0
10	PLATECORNER3C	PY	5.5e-5	5.5e-5	0	0
11	PLATECORNER3B	PY	5.5e-5	5.5e-5	0	0
12	PLATECORNER3A	PY	5.5e-5	5.5e-5	0	0
13	PLATECORNER2C	PY	5.5e-5	5.5e-5	0	0
14	PLATECORNER2B	PY	5.5e-5	5.5e-5	0	0
15	PLATECORNER2A	PY	5.5e-5	5.5e-5	0	0
16	PLATECORNER1C	PY	5.5e-5	5.5e-5	0	0
17	PLATECORNER1B	PY	5.5e-5	5.5e-5	0	0
18	PLATECORNER1A	PY	5.5e-5	5.5e-5	0	0
19	PLATE12	PY	5.5e-5	5.5e-5	0	0
20	PLATE11	PY	5.5e-5	5.5e-5	0	0
21	PLATE10	PY	5.5e-5	5.5e-5	0	0
22	PLATE9	PY	5.5e-5	5.5e-5	0	0
23	PLATE8	PY	5.5e-5	5.5e-5	0	0
24	PLATE7	PY	5.5e-5	5.5e-5	0	0
25	PLATE6	PY	5.5e-5	5.5e-5	0	0
26	PLATE5	PY	5.5e-5	5.5e-5	0	0
27	PLATE4	PY	5.5e-5	5.5e-5	0	0
28	PLATE3	PY	5.5e-5	5.5e-5	0	0
29	PLATE2	PY	5.5e-5	5.5e-5	0	0

Member Distributed Loads (BLC 19 : Maintanence (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
30	PLATE1	PY	5.5e-5	5.5e-5	0	0
31	MP ALPHA3	PY	.000314	.000314	0	0
32	MP ALPHA2	PY	.000314	.000314	0	0
33	MP ALPHA1	PY	.000314	.000314	0	0
34	RAIL3	PY	.000191	.000191	0	0
35	RAIL2	PY	.000191	.000191	0	0
36	RAIL1	PY	9.6e-5	9.6e-5	0	0
37	FACE3	PY	.000282	.000282	0	0
38	FACE2	PY	.000282	.000282	0	0
39	FACE1	PY	.000141	.000141	0	0
40	CR3B	PY	.000276	.000276	0	0
41	CR3A	PY	.000276	.000276	0	0
42	CR2B	PY	.000276	.000276	0	0
43	CR2A	PY	.000276	.000276	0	0
44	CR1B	PY	.000276	.000276	0	0
45	CR1A	PY	.000276	.000276	0	0
46	ANGLE3	PY	.000276	.000276	0	0
47	ANGLE2	PY	.000276	.000276	0	0
48	ANGLE1	PY	.000276	.000276	0	0
49	MP GAMMA3	PY	.000314	.000314	0	0
50	MP GAMMA2	PY	.000314	.000314	0	0
51	MP GAMMA1	PY	.000314	.000314	0	0
52	MP ALPHA4	PY	.000314	.000314	0	0
53	MP BETA3	PY	.000314	.000314	0	0
54	MP BETA2	PY	.000314	.000314	0	0
55	MP BETA1	PY	.000314	.000314	0	0
56	SUP3B	PX	-.000382	-.000382	0	0
57	SUP3A	PX	-.000382	-.000382	0	0
58	SUP2B	PX	-.000382	-.000382	0	0
59	SUP2A	PX	-.000382	-.000382	0	0
60	SUP1B	PX	-.000382	-.000382	0	0
61	SUP1A	PX	-.000382	-.000382	0	0
62	SO3	PX	-.000478	-.000478	0	0
63	SO2	PX	-.000478	-.000478	0	0
64	SO1	PX	-.000478	-.000478	0	0
65	PLATECORNER3C	PX	-9.6e-5	-9.6e-5	0	0
66	PLATECORNER3B	PX	-9.6e-5	-9.6e-5	0	0
67	PLATECORNER3A	PX	-9.6e-5	-9.6e-5	0	0
68	PLATECORNER2C	PX	-9.6e-5	-9.6e-5	0	0
69	PLATECORNER2B	PX	-9.6e-5	-9.6e-5	0	0
70	PLATECORNER2A	PX	-9.6e-5	-9.6e-5	0	0
71	PLATECORNER1C	PX	-9.6e-5	-9.6e-5	0	0
72	PLATECORNER1B	PX	-9.6e-5	-9.6e-5	0	0
73	PLATECORNER1A	PX	-9.6e-5	-9.6e-5	0	0
74	PLATE12	PX	-9.6e-5	-9.6e-5	0	0
75	PLATE11	PX	-9.6e-5	-9.6e-5	0	0
76	PLATE10	PX	-9.6e-5	-9.6e-5	0	0
77	PLATE9	PX	-9.6e-5	-9.6e-5	0	0
78	PLATE8	PX	-9.6e-5	-9.6e-5	0	0
79	PLATE7	PX	-9.6e-5	-9.6e-5	0	0
80	PLATE6	PX	-9.6e-5	-9.6e-5	0	0
81	PLATE5	PX	-9.6e-5	-9.6e-5	0	0
82	PLATE4	PX	-9.6e-5	-9.6e-5	0	0
83	PLATE3	PX	-9.6e-5	-9.6e-5	0	0
84	PLATE2	PX	-9.6e-5	-9.6e-5	0	0
85	PLATE1	PX	-9.6e-5	-9.6e-5	0	0
86	MP ALPHA3	PX	-.000545	-.000545	0	0

Member Distributed Loads (BLC 19 : Maintanence (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
87	MP ALPHA2	PX	-.000545	-.000545	0	0
88	MP ALPHA1	PX	-.000545	-.000545	0	0
89	RAIL3	PX	-.000331	-.000331	0	0
90	RAIL2	PX	-.000331	-.000331	0	0
91	RAIL1	PX	-.000165	-.000165	0	0
92	FACE3	PX	-.000488	-.000488	0	0
93	FACE2	PX	-.000488	-.000488	0	0
94	FACE1	PX	-.000244	-.000244	0	0
95	CR3B	PX	-.000478	-.000478	0	0
96	CR3A	PX	-.000478	-.000478	0	0
97	CR2B	PX	-.000478	-.000478	0	0
98	CR2A	PX	-.000478	-.000478	0	0
99	CR1B	PX	-.000478	-.000478	0	0
100	CR1A	PX	-.000478	-.000478	0	0
101	ANGLE3	PX	-.000478	-.000478	0	0
102	ANGLE2	PX	-.000478	-.000478	0	0
103	ANGLE1	PX	-.000478	-.000478	0	0
104	MP GAMMA3	PX	-.000545	-.000545	0	0
105	MP GAMMA2	PX	-.000545	-.000545	0	0
106	MP GAMMA1	PX	-.000545	-.000545	0	0
107	MP ALPHA4	PX	-.000545	-.000545	0	0
108	MP BETA3	PX	-.000545	-.000545	0	0
109	MP BETA2	PX	-.000545	-.000545	0	0
110	MP BETA1	PX	-.000545	-.000545	0	0

Member Distributed Loads (BLC 20 : Maintanence (150))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	.000382	.000382	0	0
2	SUP3A	PY	.000382	.000382	0	0
3	SUP2B	PY	.000382	.000382	0	0
4	SUP2A	PY	.000382	.000382	0	0
5	SUP1B	PY	.000382	.000382	0	0
6	SUP1A	PY	.000382	.000382	0	0
7	SO3	PY	.000478	.000478	0	0
8	SO2	PY	.000478	.000478	0	0
9	SO1	PY	.000478	.000478	0	0
10	PLATECORNER3C	PY	9.6e-5	9.6e-5	0	0
11	PLATECORNER3B	PY	9.6e-5	9.6e-5	0	0
12	PLATECORNER3A	PY	9.6e-5	9.6e-5	0	0
13	PLATECORNER2C	PY	9.6e-5	9.6e-5	0	0
14	PLATECORNER2B	PY	9.6e-5	9.6e-5	0	0
15	PLATECORNER2A	PY	9.6e-5	9.6e-5	0	0
16	PLATECORNER1C	PY	9.6e-5	9.6e-5	0	0
17	PLATECORNER1B	PY	9.6e-5	9.6e-5	0	0
18	PLATECORNER1A	PY	9.6e-5	9.6e-5	0	0
19	PLATE12	PY	9.6e-5	9.6e-5	0	0
20	PLATE11	PY	9.6e-5	9.6e-5	0	0
21	PLATE10	PY	9.6e-5	9.6e-5	0	0
22	PLATE9	PY	9.6e-5	9.6e-5	0	0
23	PLATE8	PY	9.6e-5	9.6e-5	0	0
24	PLATE7	PY	9.6e-5	9.6e-5	0	0
25	PLATE6	PY	9.6e-5	9.6e-5	0	0
26	PLATE5	PY	9.6e-5	9.6e-5	0	0
27	PLATE4	PY	9.6e-5	9.6e-5	0	0
28	PLATE3	PY	9.6e-5	9.6e-5	0	0
29	PLATE2	PY	9.6e-5	9.6e-5	0	0

Member Distributed Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
30	PLATE1	PY	9.6e-5	9.6e-5	0	0
31	MP ALPHA3	PY	.000545	.000545	0	0
32	MP ALPHA2	PY	.000545	.000545	0	0
33	MP ALPHA1	PY	.000545	.000545	0	0
34	RAIL3	PY	.000331	.000331	0	0
35	RAIL2	PY	.000331	.000331	0	0
36	RAIL1	PY	.000165	.000165	0	0
37	FACE3	PY	.000488	.000488	0	0
38	FACE2	PY	.000488	.000488	0	0
39	FACE1	PY	.000244	.000244	0	0
40	CR3B	PY	.000478	.000478	0	0
41	CR3A	PY	.000478	.000478	0	0
42	CR2B	PY	.000478	.000478	0	0
43	CR2A	PY	.000478	.000478	0	0
44	CR1B	PY	.000478	.000478	0	0
45	CR1A	PY	.000478	.000478	0	0
46	ANGLE3	PY	.000478	.000478	0	0
47	ANGLE2	PY	.000478	.000478	0	0
48	ANGLE1	PY	.000478	.000478	0	0
49	MP GAMMA3	PY	.000545	.000545	0	0
50	MP GAMMA2	PY	.000545	.000545	0	0
51	MP GAMMA1	PY	.000545	.000545	0	0
52	MP ALPHA4	PY	.000545	.000545	0	0
53	MP BETA3	PY	.000545	.000545	0	0
54	MP BETA2	PY	.000545	.000545	0	0
55	MP BETA1	PY	.000545	.000545	0	0
56	SUP3B	PX	-.000221	-.000221	0	0
57	SUP3A	PX	-.000221	-.000221	0	0
58	SUP2B	PX	-.000221	-.000221	0	0
59	SUP2A	PX	-.000221	-.000221	0	0
60	SUP1B	PX	-.000221	-.000221	0	0
61	SUP1A	PX	-.000221	-.000221	0	0
62	SO3	PX	-.000276	-.000276	0	0
63	SO2	PX	-.000276	-.000276	0	0
64	SO1	PX	-.000276	-.000276	0	0
65	PLATECORNER3C	PX	-5.5e-5	-5.5e-5	0	0
66	PLATECORNER3B	PX	-5.5e-5	-5.5e-5	0	0
67	PLATECORNER3A	PX	-5.5e-5	-5.5e-5	0	0
68	PLATECORNER2C	PX	-5.5e-5	-5.5e-5	0	0
69	PLATECORNER2B	PX	-5.5e-5	-5.5e-5	0	0
70	PLATECORNER2A	PX	-5.5e-5	-5.5e-5	0	0
71	PLATECORNER1C	PX	-5.5e-5	-5.5e-5	0	0
72	PLATECORNER1B	PX	-5.5e-5	-5.5e-5	0	0
73	PLATECORNER1A	PX	-5.5e-5	-5.5e-5	0	0
74	PLATE12	PX	-5.5e-5	-5.5e-5	0	0
75	PLATE11	PX	-5.5e-5	-5.5e-5	0	0
76	PLATE10	PX	-5.5e-5	-5.5e-5	0	0
77	PLATE9	PX	-5.5e-5	-5.5e-5	0	0
78	PLATE8	PX	-5.5e-5	-5.5e-5	0	0
79	PLATE7	PX	-5.5e-5	-5.5e-5	0	0
80	PLATE6	PX	-5.5e-5	-5.5e-5	0	0
81	PLATE5	PX	-5.5e-5	-5.5e-5	0	0
82	PLATE4	PX	-5.5e-5	-5.5e-5	0	0
83	PLATE3	PX	-5.5e-5	-5.5e-5	0	0
84	PLATE2	PX	-5.5e-5	-5.5e-5	0	0
85	PLATE1	PX	-5.5e-5	-5.5e-5	0	0
86	MP ALPHA3	PX	-.000314	-.000314	0	0

Member Distributed Loads (BLC 20 : Maintanence (150)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
87	MP ALPHA2	PX	-.000314	-.000314	0	0
88	MP ALPHA1	PX	-.000314	-.000314	0	0
89	RAIL3	PX	-.000191	-.000191	0	0
90	RAIL2	PX	-.000191	-.000191	0	0
91	RAIL1	PX	-9.6e-5	-9.6e-5	0	0
92	FACE3	PX	-.000282	-.000282	0	0
93	FACE2	PX	-.000282	-.000282	0	0
94	FACE1	PX	-.000141	-.000141	0	0
95	CR3B	PX	-.000276	-.000276	0	0
96	CR3A	PX	-.000276	-.000276	0	0
97	CR2B	PX	-.000276	-.000276	0	0
98	CR2A	PX	-.000276	-.000276	0	0
99	CR1B	PX	-.000276	-.000276	0	0
100	CR1A	PX	-.000276	-.000276	0	0
101	ANGLE3	PX	-.000276	-.000276	0	0
102	ANGLE2	PX	-.000276	-.000276	0	0
103	ANGLE1	PX	-.000276	-.000276	0	0
104	MP GAMMA3	PX	-.000314	-.000314	0	0
105	MP GAMMA2	PX	-.000314	-.000314	0	0
106	MP GAMMA1	PX	-.000314	-.000314	0	0
107	MP ALPHA4	PX	-.000314	-.000314	0	0
108	MP BETA3	PX	-.000314	-.000314	0	0
109	MP BETA2	PX	-.000314	-.000314	0	0
110	MP BETA1	PX	-.000314	-.000314	0	0

Member Distributed Loads (BLC 21 : Maintanence (180))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	.000441	.000441	0	0
2	SUP3A	PY	.000441	.000441	0	0
3	SUP2B	PY	.000441	.000441	0	0
4	SUP2A	PY	.000441	.000441	0	0
5	SUP1B	PY	.000441	.000441	0	0
6	SUP1A	PY	.000441	.000441	0	0
7	SO3	PY	.000552	.000552	0	0
8	SO2	PY	.000552	.000552	0	0
9	SO1	PY	.000552	.000552	0	0
10	PLATECORNER3C	PY	.00011	.00011	0	0
11	PLATECORNER3B	PY	.00011	.00011	0	0
12	PLATECORNER3A	PY	.00011	.00011	0	0
13	PLATECORNER2C	PY	.00011	.00011	0	0
14	PLATECORNER2B	PY	.00011	.00011	0	0
15	PLATECORNER2A	PY	.00011	.00011	0	0
16	PLATECORNER1C	PY	.00011	.00011	0	0
17	PLATECORNER1B	PY	.00011	.00011	0	0
18	PLATECORNER1A	PY	.00011	.00011	0	0
19	PLATE12	PY	.00011	.00011	0	0
20	PLATE11	PY	.00011	.00011	0	0
21	PLATE10	PY	.00011	.00011	0	0
22	PLATE9	PY	.00011	.00011	0	0
23	PLATE8	PY	.00011	.00011	0	0
24	PLATE7	PY	.00011	.00011	0	0
25	PLATE6	PY	.00011	.00011	0	0
26	PLATE5	PY	.00011	.00011	0	0
27	PLATE4	PY	.00011	.00011	0	0
28	PLATE3	PY	.00011	.00011	0	0
29	PLATE2	PY	.00011	.00011	0	0

Member Distributed Loads (BLC 21 : Maintanence (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
30	PLATE1	PY	.00011	.00011	0	0
31	MP ALPHA3	PY	.000629	.000629	0	0
32	MP ALPHA2	PY	.000629	.000629	0	0
33	MP ALPHA1	PY	.000629	.000629	0	0
34	RAIL3	PY	.000382	.000382	0	0
35	RAIL2	PY	.000382	.000382	0	0
36	RAIL1	PY	.000191	.000191	0	0
37	FACE3	PY	.000563	.000563	0	0
38	FACE2	PY	.000563	.000563	0	0
39	FACE1	PY	.000282	.000282	0	0
40	CR3B	PY	.000552	.000552	0	0
41	CR3A	PY	.000552	.000552	0	0
42	CR2B	PY	.000552	.000552	0	0
43	CR2A	PY	.000552	.000552	0	0
44	CR1B	PY	.000552	.000552	0	0
45	CR1A	PY	.000552	.000552	0	0
46	ANGLE3	PY	.000552	.000552	0	0
47	ANGLE2	PY	.000552	.000552	0	0
48	ANGLE1	PY	.000552	.000552	0	0
49	MP GAMMA3	PY	.000629	.000629	0	0
50	MP GAMMA2	PY	.000629	.000629	0	0
51	MP GAMMA1	PY	.000629	.000629	0	0
52	MP ALPHA4	PY	.000629	.000629	0	0
53	MP BETA3	PY	.000629	.000629	0	0
54	MP BETA2	PY	.000629	.000629	0	0
55	MP BETA1	PY	.000629	.000629	0	0

Member Distributed Loads (BLC 22 : Maintanence (210))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	.000382	.000382	0	0
2	SUP3A	PY	.000382	.000382	0	0
3	SUP2B	PY	.000382	.000382	0	0
4	SUP2A	PY	.000382	.000382	0	0
5	SUP1B	PY	.000382	.000382	0	0
6	SUP1A	PY	.000382	.000382	0	0
7	SO3	PY	.000478	.000478	0	0
8	SO2	PY	.000478	.000478	0	0
9	SO1	PY	.000478	.000478	0	0
10	PLATECORNER3C	PY	9.6e-5	9.6e-5	0	0
11	PLATECORNER3B	PY	9.6e-5	9.6e-5	0	0
12	PLATECORNER3A	PY	9.6e-5	9.6e-5	0	0
13	PLATECORNER2C	PY	9.6e-5	9.6e-5	0	0
14	PLATECORNER2B	PY	9.6e-5	9.6e-5	0	0
15	PLATECORNER2A	PY	9.6e-5	9.6e-5	0	0
16	PLATECORNER1C	PY	9.6e-5	9.6e-5	0	0
17	PLATECORNER1B	PY	9.6e-5	9.6e-5	0	0
18	PLATECORNER1A	PY	9.6e-5	9.6e-5	0	0
19	PLATE12	PY	9.6e-5	9.6e-5	0	0
20	PLATE11	PY	9.6e-5	9.6e-5	0	0
21	PLATE10	PY	9.6e-5	9.6e-5	0	0
22	PLATE9	PY	9.6e-5	9.6e-5	0	0
23	PLATE8	PY	9.6e-5	9.6e-5	0	0
24	PLATE7	PY	9.6e-5	9.6e-5	0	0
25	PLATE6	PY	9.6e-5	9.6e-5	0	0
26	PLATE5	PY	9.6e-5	9.6e-5	0	0
27	PLATE4	PY	9.6e-5	9.6e-5	0	0

Member Distributed Loads (BLC 22 : Maintanence (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
28	PLATE3	PY	9.6e-5	9.6e-5	0	0
29	PLATE2	PY	9.6e-5	9.6e-5	0	0
30	PLATE1	PY	9.6e-5	9.6e-5	0	0
31	MP ALPHA3	PY	.000545	.000545	0	0
32	MP ALPHA2	PY	.000545	.000545	0	0
33	MP ALPHA1	PY	.000545	.000545	0	0
34	RAIL3	PY	.000331	.000331	0	0
35	RAIL2	PY	.000331	.000331	0	0
36	RAIL1	PY	.000165	.000165	0	0
37	FACE3	PY	.000488	.000488	0	0
38	FACE2	PY	.000488	.000488	0	0
39	FACE1	PY	.000244	.000244	0	0
40	CR3B	PY	.000478	.000478	0	0
41	CR3A	PY	.000478	.000478	0	0
42	CR2B	PY	.000478	.000478	0	0
43	CR2A	PY	.000478	.000478	0	0
44	CR1B	PY	.000478	.000478	0	0
45	CR1A	PY	.000478	.000478	0	0
46	ANGLE3	PY	.000478	.000478	0	0
47	ANGLE2	PY	.000478	.000478	0	0
48	ANGLE1	PY	.000478	.000478	0	0
49	MP GAMMA3	PY	.000545	.000545	0	0
50	MP GAMMA2	PY	.000545	.000545	0	0
51	MP GAMMA1	PY	.000545	.000545	0	0
52	MP ALPHA4	PY	.000545	.000545	0	0
53	MP BETA3	PY	.000545	.000545	0	0
54	MP BETA2	PY	.000545	.000545	0	0
55	MP BETA1	PY	.000545	.000545	0	0
56	SUP3B	PX	.000221	.000221	0	0
57	SUP3A	PX	.000221	.000221	0	0
58	SUP2B	PX	.000221	.000221	0	0
59	SUP2A	PX	.000221	.000221	0	0
60	SUP1B	PX	.000221	.000221	0	0
61	SUP1A	PX	.000221	.000221	0	0
62	SO3	PX	.000276	.000276	0	0
63	SO2	PX	.000276	.000276	0	0
64	SO1	PX	.000276	.000276	0	0
65	PLATECORNER3C	PX	5.5e-5	5.5e-5	0	0
66	PLATECORNER3B	PX	5.5e-5	5.5e-5	0	0
67	PLATECORNER3A	PX	5.5e-5	5.5e-5	0	0
68	PLATECORNER2C	PX	5.5e-5	5.5e-5	0	0
69	PLATECORNER2B	PX	5.5e-5	5.5e-5	0	0
70	PLATECORNER2A	PX	5.5e-5	5.5e-5	0	0
71	PLATECORNER1C	PX	5.5e-5	5.5e-5	0	0
72	PLATECORNER1B	PX	5.5e-5	5.5e-5	0	0
73	PLATECORNER1A	PX	5.5e-5	5.5e-5	0	0
74	PLATE12	PX	5.5e-5	5.5e-5	0	0
75	PLATE11	PX	5.5e-5	5.5e-5	0	0
76	PLATE10	PX	5.5e-5	5.5e-5	0	0
77	PLATE9	PX	5.5e-5	5.5e-5	0	0
78	PLATE8	PX	5.5e-5	5.5e-5	0	0
79	PLATE7	PX	5.5e-5	5.5e-5	0	0
80	PLATE6	PX	5.5e-5	5.5e-5	0	0
81	PLATE5	PX	5.5e-5	5.5e-5	0	0
82	PLATE4	PX	5.5e-5	5.5e-5	0	0
83	PLATE3	PX	5.5e-5	5.5e-5	0	0
84	PLATE2	PX	5.5e-5	5.5e-5	0	0

Member Distributed Loads (BLC 22 : Maintanence (210)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
85	PLATE1	PX	5.5e-5	5.5e-5	0	0
86	MP ALPHA3	PX	.000314	.000314	0	0
87	MP ALPHA2	PX	.000314	.000314	0	0
88	MP ALPHA1	PX	.000314	.000314	0	0
89	RAIL3	PX	.000191	.000191	0	0
90	RAIL2	PX	.000191	.000191	0	0
91	RAIL1	PX	9.6e-5	9.6e-5	0	0
92	FACE3	PX	.000282	.000282	0	0
93	FACE2	PX	.000282	.000282	0	0
94	FACE1	PX	.000141	.000141	0	0
95	CR3B	PX	.000276	.000276	0	0
96	CR3A	PX	.000276	.000276	0	0
97	CR2B	PX	.000276	.000276	0	0
98	CR2A	PX	.000276	.000276	0	0
99	CR1B	PX	.000276	.000276	0	0
100	CR1A	PX	.000276	.000276	0	0
101	ANGLE3	PX	.000276	.000276	0	0
102	ANGLE2	PX	.000276	.000276	0	0
103	ANGLE1	PX	.000276	.000276	0	0
104	MP GAMMA3	PX	.000314	.000314	0	0
105	MP GAMMA2	PX	.000314	.000314	0	0
106	MP GAMMA1	PX	.000314	.000314	0	0
107	MP ALPHA4	PX	.000314	.000314	0	0
108	MP BETA3	PX	.000314	.000314	0	0
109	MP BETA2	PX	.000314	.000314	0	0
110	MP BETA1	PX	.000314	.000314	0	0

Member Distributed Loads (BLC 23 : Maintanence (240))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	.000221	.000221	0	0
2	SUP3A	PY	.000221	.000221	0	0
3	SUP2B	PY	.000221	.000221	0	0
4	SUP2A	PY	.000221	.000221	0	0
5	SUP1B	PY	.000221	.000221	0	0
6	SUP1A	PY	.000221	.000221	0	0
7	SO3	PY	.000276	.000276	0	0
8	SO2	PY	.000276	.000276	0	0
9	SO1	PY	.000276	.000276	0	0
10	PLATECORNER3C	PY	5.5e-5	5.5e-5	0	0
11	PLATECORNER3B	PY	5.5e-5	5.5e-5	0	0
12	PLATECORNER3A	PY	5.5e-5	5.5e-5	0	0
13	PLATECORNER2C	PY	5.5e-5	5.5e-5	0	0
14	PLATECORNER2B	PY	5.5e-5	5.5e-5	0	0
15	PLATECORNER2A	PY	5.5e-5	5.5e-5	0	0
16	PLATECORNER1C	PY	5.5e-5	5.5e-5	0	0
17	PLATECORNER1B	PY	5.5e-5	5.5e-5	0	0
18	PLATECORNER1A	PY	5.5e-5	5.5e-5	0	0
19	PLATE12	PY	5.5e-5	5.5e-5	0	0
20	PLATE11	PY	5.5e-5	5.5e-5	0	0
21	PLATE10	PY	5.5e-5	5.5e-5	0	0
22	PLATE9	PY	5.5e-5	5.5e-5	0	0
23	PLATE8	PY	5.5e-5	5.5e-5	0	0
24	PLATE7	PY	5.5e-5	5.5e-5	0	0
25	PLATE6	PY	5.5e-5	5.5e-5	0	0
26	PLATE5	PY	5.5e-5	5.5e-5	0	0
27	PLATE4	PY	5.5e-5	5.5e-5	0	0

Member Distributed Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
28	PLATE3	PY	5.5e-5	5.5e-5	0	0
29	PLATE2	PY	5.5e-5	5.5e-5	0	0
30	PLATE1	PY	5.5e-5	5.5e-5	0	0
31	MP ALPHA3	PY	.000314	.000314	0	0
32	MP ALPHA2	PY	.000314	.000314	0	0
33	MP ALPHA1	PY	.000314	.000314	0	0
34	RAIL3	PY	.000191	.000191	0	0
35	RAIL2	PY	.000191	.000191	0	0
36	RAIL1	PY	9.6e-5	9.6e-5	0	0
37	FACE3	PY	.000282	.000282	0	0
38	FACE2	PY	.000282	.000282	0	0
39	FACE1	PY	.000141	.000141	0	0
40	CR3B	PY	.000276	.000276	0	0
41	CR3A	PY	.000276	.000276	0	0
42	CR2B	PY	.000276	.000276	0	0
43	CR2A	PY	.000276	.000276	0	0
44	CR1B	PY	.000276	.000276	0	0
45	CR1A	PY	.000276	.000276	0	0
46	ANGLE3	PY	.000276	.000276	0	0
47	ANGLE2	PY	.000276	.000276	0	0
48	ANGLE1	PY	.000276	.000276	0	0
49	MP GAMMA3	PY	.000314	.000314	0	0
50	MP GAMMA2	PY	.000314	.000314	0	0
51	MP GAMMA1	PY	.000314	.000314	0	0
52	MP ALPHA4	PY	.000314	.000314	0	0
53	MP BETA3	PY	.000314	.000314	0	0
54	MP BETA2	PY	.000314	.000314	0	0
55	MP BETA1	PY	.000314	.000314	0	0
56	SUP3B	PX	.000382	.000382	0	0
57	SUP3A	PX	.000382	.000382	0	0
58	SUP2B	PX	.000382	.000382	0	0
59	SUP2A	PX	.000382	.000382	0	0
60	SUP1B	PX	.000382	.000382	0	0
61	SUP1A	PX	.000382	.000382	0	0
62	SO3	PX	.000478	.000478	0	0
63	SO2	PX	.000478	.000478	0	0
64	SO1	PX	.000478	.000478	0	0
65	PLATECORNER3C	PX	9.6e-5	9.6e-5	0	0
66	PLATECORNER3B	PX	9.6e-5	9.6e-5	0	0
67	PLATECORNER3A	PX	9.6e-5	9.6e-5	0	0
68	PLATECORNER2C	PX	9.6e-5	9.6e-5	0	0
69	PLATECORNER2B	PX	9.6e-5	9.6e-5	0	0
70	PLATECORNER2A	PX	9.6e-5	9.6e-5	0	0
71	PLATECORNER1C	PX	9.6e-5	9.6e-5	0	0
72	PLATECORNER1B	PX	9.6e-5	9.6e-5	0	0
73	PLATECORNER1A	PX	9.6e-5	9.6e-5	0	0
74	PLATE12	PX	9.6e-5	9.6e-5	0	0
75	PLATE11	PX	9.6e-5	9.6e-5	0	0
76	PLATE10	PX	9.6e-5	9.6e-5	0	0
77	PLATE9	PX	9.6e-5	9.6e-5	0	0
78	PLATE8	PX	9.6e-5	9.6e-5	0	0
79	PLATE7	PX	9.6e-5	9.6e-5	0	0
80	PLATE6	PX	9.6e-5	9.6e-5	0	0
81	PLATE5	PX	9.6e-5	9.6e-5	0	0
82	PLATE4	PX	9.6e-5	9.6e-5	0	0
83	PLATE3	PX	9.6e-5	9.6e-5	0	0
84	PLATE2	PX	9.6e-5	9.6e-5	0	0

Member Distributed Loads (BLC 23 : Maintanence (240)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
85	PLATE1	PX	9.6e-5	9.6e-5	0	0
86	MP ALPHA3	PX	.000545	.000545	0	0
87	MP ALPHA2	PX	.000545	.000545	0	0
88	MP ALPHA1	PX	.000545	.000545	0	0
89	RAIL3	PX	.000331	.000331	0	0
90	RAIL2	PX	.000331	.000331	0	0
91	RAIL1	PX	.000165	.000165	0	0
92	FACE3	PX	.000488	.000488	0	0
93	FACE2	PX	.000488	.000488	0	0
94	FACE1	PX	.000244	.000244	0	0
95	CR3B	PX	.000478	.000478	0	0
96	CR3A	PX	.000478	.000478	0	0
97	CR2B	PX	.000478	.000478	0	0
98	CR2A	PX	.000478	.000478	0	0
99	CR1B	PX	.000478	.000478	0	0
100	CR1A	PX	.000478	.000478	0	0
101	ANGLE3	PX	.000478	.000478	0	0
102	ANGLE2	PX	.000478	.000478	0	0
103	ANGLE1	PX	.000478	.000478	0	0
104	MP GAMMA3	PX	.000545	.000545	0	0
105	MP GAMMA2	PX	.000545	.000545	0	0
106	MP GAMMA1	PX	.000545	.000545	0	0
107	MP ALPHA4	PX	.000545	.000545	0	0
108	MP BETA3	PX	.000545	.000545	0	0
109	MP BETA2	PX	.000545	.000545	0	0
110	MP BETA1	PX	.000545	.000545	0	0

Member Distributed Loads (BLC 24 : Maintanence (270))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PX	.000441	.000441	0	0
2	SUP3A	PX	.000441	.000441	0	0
3	SUP2B	PX	.000441	.000441	0	0
4	SUP2A	PX	.000441	.000441	0	0
5	SUP1B	PX	.000441	.000441	0	0
6	SUP1A	PX	.000441	.000441	0	0
7	SO3	PX	.000552	.000552	0	0
8	SO2	PX	.000552	.000552	0	0
9	SO1	PX	.000552	.000552	0	0
10	PLATECORNER3C	PX	.00011	.00011	0	0
11	PLATECORNER3B	PX	.00011	.00011	0	0
12	PLATECORNER3A	PX	.00011	.00011	0	0
13	PLATECORNER2C	PX	.00011	.00011	0	0
14	PLATECORNER2B	PX	.00011	.00011	0	0
15	PLATECORNER2A	PX	.00011	.00011	0	0
16	PLATECORNER1C	PX	.00011	.00011	0	0
17	PLATECORNER1B	PX	.00011	.00011	0	0
18	PLATECORNER1A	PX	.00011	.00011	0	0
19	PLATE12	PX	.00011	.00011	0	0
20	PLATE11	PX	.00011	.00011	0	0
21	PLATE10	PX	.00011	.00011	0	0
22	PLATE9	PX	.00011	.00011	0	0
23	PLATE8	PX	.00011	.00011	0	0
24	PLATE7	PX	.00011	.00011	0	0
25	PLATE6	PX	.00011	.00011	0	0
26	PLATE5	PX	.00011	.00011	0	0
27	PLATE4	PX	.00011	.00011	0	0

Member Distributed Loads (BLC 24 : Maintanence (270)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
28	PLATE3	PX	.00011	.00011	0	0
29	PLATE2	PX	.00011	.00011	0	0
30	PLATE1	PX	.00011	.00011	0	0
31	MP ALPHA3	PX	.000629	.000629	0	0
32	MP ALPHA2	PX	.000629	.000629	0	0
33	MP ALPHA1	PX	.000629	.000629	0	0
34	RAIL3	PX	.000382	.000382	0	0
35	RAIL2	PX	.000382	.000382	0	0
36	RAIL1	PX	.000191	.000191	0	0
37	FACE3	PX	.000563	.000563	0	0
38	FACE2	PX	.000563	.000563	0	0
39	FACE1	PX	.000282	.000282	0	0
40	CR3B	PX	.000552	.000552	0	0
41	CR3A	PX	.000552	.000552	0	0
42	CR2B	PX	.000552	.000552	0	0
43	CR2A	PX	.000552	.000552	0	0
44	CR1B	PX	.000552	.000552	0	0
45	CR1A	PX	.000552	.000552	0	0
46	ANGLE3	PX	.000552	.000552	0	0
47	ANGLE2	PX	.000552	.000552	0	0
48	ANGLE1	PX	.000552	.000552	0	0
49	MP GAMMA3	PX	.000629	.000629	0	0
50	MP GAMMA2	PX	.000629	.000629	0	0
51	MP GAMMA1	PX	.000629	.000629	0	0
52	MP ALPHA4	PX	.000629	.000629	0	0
53	MP BETA3	PX	.000629	.000629	0	0
54	MP BETA2	PX	.000629	.000629	0	0
55	MP BETA1	PX	.000629	.000629	0	0

Member Distributed Loads (BLC 25 : Maintanence (300))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-.000221	-.000221	0	0
2	SUP3A	PY	-.000221	-.000221	0	0
3	SUP2B	PY	-.000221	-.000221	0	0
4	SUP2A	PY	-.000221	-.000221	0	0
5	SUP1B	PY	-.000221	-.000221	0	0
6	SUP1A	PY	-.000221	-.000221	0	0
7	SO3	PY	-.000276	-.000276	0	0
8	SO2	PY	-.000276	-.000276	0	0
9	SO1	PY	-.000276	-.000276	0	0
10	PLATECORNER3C	PY	-5.5e-5	-5.5e-5	0	0
11	PLATECORNER3B	PY	-5.5e-5	-5.5e-5	0	0
12	PLATECORNER3A	PY	-5.5e-5	-5.5e-5	0	0
13	PLATECORNER2C	PY	-5.5e-5	-5.5e-5	0	0
14	PLATECORNER2B	PY	-5.5e-5	-5.5e-5	0	0
15	PLATECORNER2A	PY	-5.5e-5	-5.5e-5	0	0
16	PLATECORNER1C	PY	-5.5e-5	-5.5e-5	0	0
17	PLATECORNER1B	PY	-5.5e-5	-5.5e-5	0	0
18	PLATECORNER1A	PY	-5.5e-5	-5.5e-5	0	0
19	PLATE12	PY	-5.5e-5	-5.5e-5	0	0
20	PLATE11	PY	-5.5e-5	-5.5e-5	0	0
21	PLATE10	PY	-5.5e-5	-5.5e-5	0	0
22	PLATE9	PY	-5.5e-5	-5.5e-5	0	0
23	PLATE8	PY	-5.5e-5	-5.5e-5	0	0
24	PLATE7	PY	-5.5e-5	-5.5e-5	0	0
25	PLATE6	PY	-5.5e-5	-5.5e-5	0	0

Member Distributed Loads (BLC 25 : Maintanence (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
26	PLATE5	PY	-5.5e-5	-5.5e-5	0	0
27	PLATE4	PY	-5.5e-5	-5.5e-5	0	0
28	PLATE3	PY	-5.5e-5	-5.5e-5	0	0
29	PLATE2	PY	-5.5e-5	-5.5e-5	0	0
30	PLATE1	PY	-5.5e-5	-5.5e-5	0	0
31	MP ALPHA3	PY	-.000314	-.000314	0	0
32	MP ALPHA2	PY	-.000314	-.000314	0	0
33	MP ALPHA1	PY	-.000314	-.000314	0	0
34	RAIL3	PY	-.000191	-.000191	0	0
35	RAIL2	PY	-.000191	-.000191	0	0
36	RAIL1	PY	-9.6e-5	-9.6e-5	0	0
37	FACE3	PY	-.000282	-.000282	0	0
38	FACE2	PY	-.000282	-.000282	0	0
39	FACE1	PY	-.000141	-.000141	0	0
40	CR3B	PY	-.000276	-.000276	0	0
41	CR3A	PY	-.000276	-.000276	0	0
42	CR2B	PY	-.000276	-.000276	0	0
43	CR2A	PY	-.000276	-.000276	0	0
44	CR1B	PY	-.000276	-.000276	0	0
45	CR1A	PY	-.000276	-.000276	0	0
46	ANGLE3	PY	-.000276	-.000276	0	0
47	ANGLE2	PY	-.000276	-.000276	0	0
48	ANGLE1	PY	-.000276	-.000276	0	0
49	MP GAMMA3	PY	-.000314	-.000314	0	0
50	MP GAMMA2	PY	-.000314	-.000314	0	0
51	MP GAMMA1	PY	-.000314	-.000314	0	0
52	MP ALPHA4	PY	-.000314	-.000314	0	0
53	MP BETA3	PY	-.000314	-.000314	0	0
54	MP BETA2	PY	-.000314	-.000314	0	0
55	MP BETA1	PY	-.000314	-.000314	0	0
56	SUP3B	PX	.000382	.000382	0	0
57	SUP3A	PX	.000382	.000382	0	0
58	SUP2B	PX	.000382	.000382	0	0
59	SUP2A	PX	.000382	.000382	0	0
60	SUP1B	PX	.000382	.000382	0	0
61	SUP1A	PX	.000382	.000382	0	0
62	SO3	PX	.000478	.000478	0	0
63	SO2	PX	.000478	.000478	0	0
64	SO1	PX	.000478	.000478	0	0
65	PLATECORNER3C	PX	9.6e-5	9.6e-5	0	0
66	PLATECORNER3B	PX	9.6e-5	9.6e-5	0	0
67	PLATECORNER3A	PX	9.6e-5	9.6e-5	0	0
68	PLATECORNER2C	PX	9.6e-5	9.6e-5	0	0
69	PLATECORNER2B	PX	9.6e-5	9.6e-5	0	0
70	PLATECORNER2A	PX	9.6e-5	9.6e-5	0	0
71	PLATECORNER1C	PX	9.6e-5	9.6e-5	0	0
72	PLATECORNER1B	PX	9.6e-5	9.6e-5	0	0
73	PLATECORNER1A	PX	9.6e-5	9.6e-5	0	0
74	PLATE12	PX	9.6e-5	9.6e-5	0	0
75	PLATE11	PX	9.6e-5	9.6e-5	0	0
76	PLATE10	PX	9.6e-5	9.6e-5	0	0
77	PLATE9	PX	9.6e-5	9.6e-5	0	0
78	PLATE8	PX	9.6e-5	9.6e-5	0	0
79	PLATE7	PX	9.6e-5	9.6e-5	0	0
80	PLATE6	PX	9.6e-5	9.6e-5	0	0
81	PLATE5	PX	9.6e-5	9.6e-5	0	0
82	PLATE4	PX	9.6e-5	9.6e-5	0	0

Member Distributed Loads (BLC 25 : Maintanence (300)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
83	PLATE3	PX	9.6e-5	9.6e-5	0	0
84	PLATE2	PX	9.6e-5	9.6e-5	0	0
85	PLATE1	PX	9.6e-5	9.6e-5	0	0
86	MP ALPHA3	PX	.000545	.000545	0	0
87	MP ALPHA2	PX	.000545	.000545	0	0
88	MP ALPHA1	PX	.000545	.000545	0	0
89	RAIL3	PX	.000331	.000331	0	0
90	RAIL2	PX	.000331	.000331	0	0
91	RAIL1	PX	.000165	.000165	0	0
92	FACE3	PX	.000488	.000488	0	0
93	FACE2	PX	.000488	.000488	0	0
94	FACE1	PX	.000244	.000244	0	0
95	CR3B	PX	.000478	.000478	0	0
96	CR3A	PX	.000478	.000478	0	0
97	CR2B	PX	.000478	.000478	0	0
98	CR2A	PX	.000478	.000478	0	0
99	CR1B	PX	.000478	.000478	0	0
100	CR1A	PX	.000478	.000478	0	0
101	ANGLE3	PX	.000478	.000478	0	0
102	ANGLE2	PX	.000478	.000478	0	0
103	ANGLE1	PX	.000478	.000478	0	0
104	MP GAMMA3	PX	.000545	.000545	0	0
105	MP GAMMA2	PX	.000545	.000545	0	0
106	MP GAMMA1	PX	.000545	.000545	0	0
107	MP ALPHA4	PX	.000545	.000545	0	0
108	MP BETA3	PX	.000545	.000545	0	0
109	MP BETA2	PX	.000545	.000545	0	0
110	MP BETA1	PX	.000545	.000545	0	0

Member Distributed Loads (BLC 26 : Maintanence (330))

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
1	SUP3B	PY	-.000382	-.000382	0	0
2	SUP3A	PY	-.000382	-.000382	0	0
3	SUP2B	PY	-.000382	-.000382	0	0
4	SUP2A	PY	-.000382	-.000382	0	0
5	SUP1B	PY	-.000382	-.000382	0	0
6	SUP1A	PY	-.000382	-.000382	0	0
7	SO3	PY	-.000478	-.000478	0	0
8	SO2	PY	-.000478	-.000478	0	0
9	SO1	PY	-.000478	-.000478	0	0
10	PLATECORNER3C	PY	-9.6e-5	-9.6e-5	0	0
11	PLATECORNER3B	PY	-9.6e-5	-9.6e-5	0	0
12	PLATECORNER3A	PY	-9.6e-5	-9.6e-5	0	0
13	PLATECORNER2C	PY	-9.6e-5	-9.6e-5	0	0
14	PLATECORNER2B	PY	-9.6e-5	-9.6e-5	0	0
15	PLATECORNER2A	PY	-9.6e-5	-9.6e-5	0	0
16	PLATECORNER1C	PY	-9.6e-5	-9.6e-5	0	0
17	PLATECORNER1B	PY	-9.6e-5	-9.6e-5	0	0
18	PLATECORNER1A	PY	-9.6e-5	-9.6e-5	0	0
19	PLATE12	PY	-9.6e-5	-9.6e-5	0	0
20	PLATE11	PY	-9.6e-5	-9.6e-5	0	0
21	PLATE10	PY	-9.6e-5	-9.6e-5	0	0
22	PLATE9	PY	-9.6e-5	-9.6e-5	0	0
23	PLATE8	PY	-9.6e-5	-9.6e-5	0	0
24	PLATE7	PY	-9.6e-5	-9.6e-5	0	0
25	PLATE6	PY	-9.6e-5	-9.6e-5	0	0

Member Distributed Loads (BLC 26 : Maintanence (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
26	PLATE5	PY	-9.6e-5	-9.6e-5	0	0
27	PLATE4	PY	-9.6e-5	-9.6e-5	0	0
28	PLATE3	PY	-9.6e-5	-9.6e-5	0	0
29	PLATE2	PY	-9.6e-5	-9.6e-5	0	0
30	PLATE1	PY	-9.6e-5	-9.6e-5	0	0
31	MP ALPHA3	PY	-.000545	-.000545	0	0
32	MP ALPHA2	PY	-.000545	-.000545	0	0
33	MP ALPHA1	PY	-.000545	-.000545	0	0
34	RAIL3	PY	-.000331	-.000331	0	0
35	RAIL2	PY	-.000331	-.000331	0	0
36	RAIL1	PY	-.000165	-.000165	0	0
37	FACE3	PY	-.000488	-.000488	0	0
38	FACE2	PY	-.000488	-.000488	0	0
39	FACE1	PY	-.000244	-.000244	0	0
40	CR3B	PY	-.000478	-.000478	0	0
41	CR3A	PY	-.000478	-.000478	0	0
42	CR2B	PY	-.000478	-.000478	0	0
43	CR2A	PY	-.000478	-.000478	0	0
44	CR1B	PY	-.000478	-.000478	0	0
45	CR1A	PY	-.000478	-.000478	0	0
46	ANGLE3	PY	-.000478	-.000478	0	0
47	ANGLE2	PY	-.000478	-.000478	0	0
48	ANGLE1	PY	-.000478	-.000478	0	0
49	MP GAMMA3	PY	-.000545	-.000545	0	0
50	MP GAMMA2	PY	-.000545	-.000545	0	0
51	MP GAMMA1	PY	-.000545	-.000545	0	0
52	MP ALPHA4	PY	-.000545	-.000545	0	0
53	MP BETA3	PY	-.000545	-.000545	0	0
54	MP BETA2	PY	-.000545	-.000545	0	0
55	MP BETA1	PY	-.000545	-.000545	0	0
56	SUP3B	PX	.000221	.000221	0	0
57	SUP3A	PX	.000221	.000221	0	0
58	SUP2B	PX	.000221	.000221	0	0
59	SUP2A	PX	.000221	.000221	0	0
60	SUP1B	PX	.000221	.000221	0	0
61	SUP1A	PX	.000221	.000221	0	0
62	SO3	PX	.000276	.000276	0	0
63	SO2	PX	.000276	.000276	0	0
64	SO1	PX	.000276	.000276	0	0
65	PLATECORNER3C	PX	5.5e-5	5.5e-5	0	0
66	PLATECORNER3B	PX	5.5e-5	5.5e-5	0	0
67	PLATECORNER3A	PX	5.5e-5	5.5e-5	0	0
68	PLATECORNER2C	PX	5.5e-5	5.5e-5	0	0
69	PLATECORNER2B	PX	5.5e-5	5.5e-5	0	0
70	PLATECORNER2A	PX	5.5e-5	5.5e-5	0	0
71	PLATECORNER1C	PX	5.5e-5	5.5e-5	0	0
72	PLATECORNER1B	PX	5.5e-5	5.5e-5	0	0
73	PLATECORNER1A	PX	5.5e-5	5.5e-5	0	0
74	PLATE12	PX	5.5e-5	5.5e-5	0	0
75	PLATE11	PX	5.5e-5	5.5e-5	0	0
76	PLATE10	PX	5.5e-5	5.5e-5	0	0
77	PLATE9	PX	5.5e-5	5.5e-5	0	0
78	PLATE8	PX	5.5e-5	5.5e-5	0	0
79	PLATE7	PX	5.5e-5	5.5e-5	0	0
80	PLATE6	PX	5.5e-5	5.5e-5	0	0
81	PLATE5	PX	5.5e-5	5.5e-5	0	0
82	PLATE4	PX	5.5e-5	5.5e-5	0	0

Member Distributed Loads (BLC 26 : Maintanence (330)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/f...	Start Location[ft,%]	End Location[ft,%]
83	PLATE3	PX	5.5e-5	5.5e-5	0	0
84	PLATE2	PX	5.5e-5	5.5e-5	0	0
85	PLATE1	PX	5.5e-5	5.5e-5	0	0
86	MP ALPHA3	PX	.000314	.000314	0	0
87	MP ALPHA2	PX	.000314	.000314	0	0
88	MP ALPHA1	PX	.000314	.000314	0	0
89	RAIL3	PX	.000191	.000191	0	0
90	RAIL2	PX	.000191	.000191	0	0
91	RAIL1	PX	9.6e-5	9.6e-5	0	0
92	FACE3	PX	.000282	.000282	0	0
93	FACE2	PX	.000282	.000282	0	0
94	FACE1	PX	.000141	.000141	0	0
95	CR3B	PX	.000276	.000276	0	0
96	CR3A	PX	.000276	.000276	0	0
97	CR2B	PX	.000276	.000276	0	0
98	CR2A	PX	.000276	.000276	0	0
99	CR1B	PX	.000276	.000276	0	0
100	CR1A	PX	.000276	.000276	0	0
101	ANGLE3	PX	.000276	.000276	0	0
102	ANGLE2	PX	.000276	.000276	0	0
103	ANGLE1	PX	.000276	.000276	0	0
104	MP GAMMA3	PX	.000314	.000314	0	0
105	MP GAMMA2	PX	.000314	.000314	0	0
106	MP GAMMA1	PX	.000314	.000314	0	0
107	MP ALPHA4	PX	.000314	.000314	0	0
108	MP BETA3	PX	.000314	.000314	0	0
109	MP BETA2	PX	.000314	.000314	0	0
110	MP BETA1	PX	.000314	.000314	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	-.006	-.006	0	0
2	SUP3A	Z	-.006	-.006	0	0
3	SUP2B	Z	-.006	-.006	0	0
4	SUP2A	Z	-.006	-.006	0	0
5	SUP1B	Z	-.006	-.006	0	0
6	SUP1A	Z	-.006	-.006	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	-.008	-.008	0	0
11	PLATECORNER3B	Z	-.008	-.008	0	0
12	PLATECORNER3A	Z	-.008	-.008	0	0
13	PLATECORNER2C	Z	-.008	-.008	0	0
14	PLATECORNER2B	Z	-.008	-.008	0	0
15	PLATECORNER2A	Z	-.008	-.008	0	0
16	PLATECORNER1C	Z	-.008	-.008	0	0
17	PLATECORNER1B	Z	-.008	-.008	0	0
18	PLATECORNER1A	Z	-.008	-.008	0	0
19	PLATE12	Z	-.008	-.008	0	0
20	PLATE11	Z	-.008	-.008	0	0
21	PLATE10	Z	-.008	-.008	0	0
22	PLATE9	Z	-.008	-.008	0	0
23	PLATE8	Z	-.008	-.008	0	0
24	PLATE7	Z	-.008	-.008	0	0
25	PLATE6	Z	-.008	-.008	0	0

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,%]
26	PLATE5	Z	-.008	-.008	0	0
27	PLATE4	Z	-.008	-.008	0	0
28	PLATE3	Z	-.008	-.008	0	0
29	PLATE2	Z	-.008	-.008	0	0
30	PLATE1	Z	-.008	-.008	0	0
31	MP ALPHA3	Z	-.005	-.005	0	0
32	MP ALPHA2	Z	-.005	-.005	0	0
33	MP ALPHA1	Z	-.005	-.005	0	0
34	RAIL3	Z	-.005	-.005	0	0
35	RAIL2	Z	-.005	-.005	0	0
36	RAIL1	Z	-.005	-.005	0	0
37	FACE3	Z	-.007	-.007	0	0
38	FACE2	Z	-.007	-.007	0	0
39	FACE1	Z	-.007	-.007	0	0
40	CR3B	Z	-.009	-.009	0	0
41	CR3A	Z	-.009	-.009	0	0
42	CR2B	Z	-.009	-.009	0	0
43	CR2A	Z	-.009	-.009	0	0
44	CR1B	Z	-.009	-.009	0	0
45	CR1A	Z	-.009	-.009	0	0
46	ANGLE3	Z	-.007	-.007	0	0
47	ANGLE2	Z	-.007	-.007	0	0
48	ANGLE1	Z	-.007	-.007	0	0
49	MP GAMMA3	Z	-.005	-.005	0	0
50	MP GAMMA2	Z	-.005	-.005	0	0
51	MP GAMMA1	Z	-.005	-.005	0	0
52	MP ALPHA4	Z	-.005	-.005	0	0
53	MP BETA3	Z	-.005	-.005	0	0
54	MP BETA2	Z	-.005	-.005	0	0
55	MP BETA1	Z	-.005	-.005	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	-.002	-.002	0	0
2	SUP3A	PY	-.002	-.002	0	0
3	SUP2B	PY	-.002	-.002	0	0
4	SUP2A	PY	-.002	-.002	0	0
5	SUP1B	PY	-.002	-.002	0	0
6	SUP1A	PY	-.002	-.002	0	0
7	SO3	PY	-.002	-.002	0	0
8	SO2	PY	-.002	-.002	0	0
9	SO1	PY	-.002	-.002	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	-.001	-.001	0	0
17	PLATECORNER1B	PY	-.001	-.001	0	0
18	PLATECORNER1A	PY	-.001	-.001	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

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,%]
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 ALPHA3	PY	-.004	-.004	0	0
32	MP ALPHA2	PY	-.004	-.004	0	0
33	MP ALPHA1	PY	-.004	-.004	0	0
34	RAIL3	PY	-.002	-.002	0	0
35	RAIL2	PY	-.002	-.002	0	0
36	RAIL1	PY	-.001	-.001	0	0
37	FACE3	PY	-.003	-.003	0	0
38	FACE2	PY	-.003	-.003	0	0
39	FACE1	PY	-.002	-.002	0	0
40	CR3B	PY	-.002	-.002	0	0
41	CR3A	PY	-.002	-.002	0	0
42	CR2B	PY	-.002	-.002	0	0
43	CR2A	PY	-.002	-.002	0	0
44	CR1B	PY	-.002	-.002	0	0
45	CR1A	PY	-.002	-.002	0	0
46	ANGLE3	PY	-.002	-.002	0	0
47	ANGLE2	PY	-.002	-.002	0	0
48	ANGLE1	PY	-.002	-.002	0	0
49	MP GAMMA3	PY	-.004	-.004	0	0
50	MP GAMMA2	PY	-.004	-.004	0	0
51	MP GAMMA1	PY	-.004	-.004	0	0
52	MP ALPHA4	PY	-.004	-.004	0	0
53	MP BETA3	PY	-.004	-.004	0	0
54	MP BETA2	PY	-.004	-.004	0	0
55	MP BETA1	PY	-.004	-.004	0	0

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	-.002	-.002	0	0
2	SUP3A	PY	-.002	-.002	0	0
3	SUP2B	PY	-.002	-.002	0	0
4	SUP2A	PY	-.002	-.002	0	0
5	SUP1B	PY	-.002	-.002	0	0
6	SUP1A	PY	-.002	-.002	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	-.001	-.001	0	0
17	PLATECORNER1B	PY	-.001	-.001	0	0
18	PLATECORNER1A	PY	-.001	-.001	0	0
19	PLATE12	PY	-.001	-.001	0	0
20	PLATE11	PY	-.001	-.001	0	0
21	PLATE10	PY	-.001	-.001	0	0

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,%]
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 ALPHA3	PY	-.003	-.003	0	0
32	MP ALPHA2	PY	-.003	-.003	0	0
33	MP ALPHA1	PY	-.003	-.003	0	0
34	RAIL3	PY	-.002	-.002	0	0
35	RAIL2	PY	-.002	-.002	0	0
36	RAIL1	PY	-.001	-.001	0	0
37	FACE3	PY	-.003	-.003	0	0
38	FACE2	PY	-.003	-.003	0	0
39	FACE1	PY	-.001	-.001	0	0
40	CR3B	PY	-.001	-.001	0	0
41	CR3A	PY	-.001	-.001	0	0
42	CR2B	PY	-.001	-.001	0	0
43	CR2A	PY	-.001	-.001	0	0
44	CR1B	PY	-.001	-.001	0	0
45	CR1A	PY	-.001	-.001	0	0
46	ANGLE3	PY	-.002	-.002	0	0
47	ANGLE2	PY	-.002	-.002	0	0
48	ANGLE1	PY	-.002	-.002	0	0
49	MP GAMMA3	PY	-.003	-.003	0	0
50	MP GAMMA2	PY	-.003	-.003	0	0
51	MP GAMMA1	PY	-.003	-.003	0	0
52	MP ALPHA4	PY	-.003	-.003	0	0
53	MP BETA3	PY	-.003	-.003	0	0
54	MP BETA2	PY	-.003	-.003	0	0
55	MP BETA1	PY	-.003	-.003	0	0
56	SUP3B	PX	-.000934	-.000934	0	0
57	SUP3A	PX	-.000934	-.000934	0	0
58	SUP2B	PX	-.000934	-.000934	0	0
59	SUP2A	PX	-.000934	-.000934	0	0
60	SUP1B	PX	-.000934	-.000934	0	0
61	SUP1A	PX	-.000934	-.000934	0	0
62	SO3	PX	-.000855	-.000855	0	0
63	SO2	PX	-.000855	-.000855	0	0
64	SO1	PX	-.000855	-.000855	0	0
65	PLATECORNER3C	PX	-.000609	-.000609	0	0
66	PLATECORNER3B	PX	-.000609	-.000609	0	0
67	PLATECORNER3A	PX	-.000609	-.000609	0	0
68	PLATECORNER2C	PX	-.000609	-.000609	0	0
69	PLATECORNER2B	PX	-.000609	-.000609	0	0
70	PLATECORNER2A	PX	-.000609	-.000609	0	0
71	PLATECORNER1C	PX	-.000609	-.000609	0	0
72	PLATECORNER1B	PX	-.000609	-.000609	0	0
73	PLATECORNER1A	PX	-.000609	-.000609	0	0
74	PLATE12	PX	-.000609	-.000609	0	0
75	PLATE11	PX	-.000609	-.000609	0	0
76	PLATE10	PX	-.000609	-.000609	0	0
77	PLATE9	PX	-.000609	-.000609	0	0
78	PLATE8	PX	-.000609	-.000609	0	0

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,%]
79	PLATE7	PX	-.000609	-.000609	0	0
80	PLATE6	PX	-.000609	-.000609	0	0
81	PLATE5	PX	-.000609	-.000609	0	0
82	PLATE4	PX	-.000609	-.000609	0	0
83	PLATE3	PX	-.000609	-.000609	0	0
84	PLATE2	PX	-.000609	-.000609	0	0
85	PLATE1	PX	-.000609	-.000609	0	0
86	MP ALPHA3	PX	-.002	-.002	0	0
87	MP ALPHA2	PX	-.002	-.002	0	0
88	MP ALPHA1	PX	-.002	-.002	0	0
89	RAIL3	PX	-.001	-.001	0	0
90	RAIL2	PX	-.001	-.001	0	0
91	RAIL1	PX	-.000609	-.000609	0	0
92	FACE3	PX	-.002	-.002	0	0
93	FACE2	PX	-.002	-.002	0	0
94	FACE1	PX	-.000756	-.000756	0	0
95	CR3B	PX	-.000855	-.000855	0	0
96	CR3A	PX	-.000855	-.000855	0	0
97	CR2B	PX	-.000855	-.000855	0	0
98	CR2A	PX	-.000855	-.000855	0	0
99	CR1B	PX	-.000855	-.000855	0	0
100	CR1A	PX	-.000855	-.000855	0	0
101	ANGLE3	PX	-.001	-.001	0	0
102	ANGLE2	PX	-.001	-.001	0	0
103	ANGLE1	PX	-.001	-.001	0	0
104	MP GAMMA3	PX	-.002	-.002	0	0
105	MP GAMMA2	PX	-.002	-.002	0	0
106	MP GAMMA1	PX	-.002	-.002	0	0
107	MP ALPHA4	PX	-.002	-.002	0	0
108	MP BETA3	PX	-.002	-.002	0	0
109	MP BETA2	PX	-.002	-.002	0	0
110	MP BETA1	PX	-.002	-.002	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	-.000934	-.000934	0	0
2	SUP3A	PY	-.000934	-.000934	0	0
3	SUP2B	PY	-.000934	-.000934	0	0
4	SUP2A	PY	-.000934	-.000934	0	0
5	SUP1B	PY	-.000934	-.000934	0	0
6	SUP1A	PY	-.000934	-.000934	0	0
7	SO3	PY	-.000855	-.000855	0	0
8	SO2	PY	-.000855	-.000855	0	0
9	SO1	PY	-.000855	-.000855	0	0
10	PLATECORNER3C	PY	-.000609	-.000609	0	0
11	PLATECORNER3B	PY	-.000609	-.000609	0	0
12	PLATECORNER3A	PY	-.000609	-.000609	0	0
13	PLATECORNER2C	PY	-.000609	-.000609	0	0
14	PLATECORNER2B	PY	-.000609	-.000609	0	0
15	PLATECORNER2A	PY	-.000609	-.000609	0	0
16	PLATECORNER1C	PY	-.000609	-.000609	0	0
17	PLATECORNER1B	PY	-.000609	-.000609	0	0
18	PLATECORNER1A	PY	-.000609	-.000609	0	0
19	PLATE12	PY	-.000609	-.000609	0	0
20	PLATE11	PY	-.000609	-.000609	0	0
21	PLATE10	PY	-.000609	-.000609	0	0

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,%]
22	PLATE9	PY	-.000609	-.000609	0	0
23	PLATE8	PY	-.000609	-.000609	0	0
24	PLATE7	PY	-.000609	-.000609	0	0
25	PLATE6	PY	-.000609	-.000609	0	0
26	PLATE5	PY	-.000609	-.000609	0	0
27	PLATE4	PY	-.000609	-.000609	0	0
28	PLATE3	PY	-.000609	-.000609	0	0
29	PLATE2	PY	-.000609	-.000609	0	0
30	PLATE1	PY	-.000609	-.000609	0	0
31	MP ALPHA3	PY	-.002	-.002	0	0
32	MP ALPHA2	PY	-.002	-.002	0	0
33	MP ALPHA1	PY	-.002	-.002	0	0
34	RAIL3	PY	-.001	-.001	0	0
35	RAIL2	PY	-.001	-.001	0	0
36	RAIL1	PY	-.000609	-.000609	0	0
37	FACE3	PY	-.002	-.002	0	0
38	FACE2	PY	-.002	-.002	0	0
39	FACE1	PY	-.000756	-.000756	0	0
40	CR3B	PY	-.000855	-.000855	0	0
41	CR3A	PY	-.000855	-.000855	0	0
42	CR2B	PY	-.000855	-.000855	0	0
43	CR2A	PY	-.000855	-.000855	0	0
44	CR1B	PY	-.000855	-.000855	0	0
45	CR1A	PY	-.000855	-.000855	0	0
46	ANGLE3	PY	-.001	-.001	0	0
47	ANGLE2	PY	-.001	-.001	0	0
48	ANGLE1	PY	-.001	-.001	0	0
49	MP GAMMA3	PY	-.002	-.002	0	0
50	MP GAMMA2	PY	-.002	-.002	0	0
51	MP GAMMA1	PY	-.002	-.002	0	0
52	MP ALPHA4	PY	-.002	-.002	0	0
53	MP BETA3	PY	-.002	-.002	0	0
54	MP BETA2	PY	-.002	-.002	0	0
55	MP BETA1	PY	-.002	-.002	0	0
56	SUP3B	PX	-.002	-.002	0	0
57	SUP3A	PX	-.002	-.002	0	0
58	SUP2B	PX	-.002	-.002	0	0
59	SUP2A	PX	-.002	-.002	0	0
60	SUP1B	PX	-.002	-.002	0	0
61	SUP1A	PX	-.002	-.002	0	0
62	SO3	PX	-.001	-.001	0	0
63	SO2	PX	-.001	-.001	0	0
64	SO1	PX	-.001	-.001	0	0
65	PLATECORNER3C	PX	-.001	-.001	0	0
66	PLATECORNER3B	PX	-.001	-.001	0	0
67	PLATECORNER3A	PX	-.001	-.001	0	0
68	PLATECORNER2C	PX	-.001	-.001	0	0
69	PLATECORNER2B	PX	-.001	-.001	0	0
70	PLATECORNER2A	PX	-.001	-.001	0	0
71	PLATECORNER1C	PX	-.001	-.001	0	0
72	PLATECORNER1B	PX	-.001	-.001	0	0
73	PLATECORNER1A	PX	-.001	-.001	0	0
74	PLATE12	PX	-.001	-.001	0	0
75	PLATE11	PX	-.001	-.001	0	0
76	PLATE10	PX	-.001	-.001	0	0
77	PLATE9	PX	-.001	-.001	0	0
78	PLATE8	PX	-.001	-.001	0	0

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,%]
79	PLATE7	PX	-.001	-.001	0	0
80	PLATE6	PX	-.001	-.001	0	0
81	PLATE5	PX	-.001	-.001	0	0
82	PLATE4	PX	-.001	-.001	0	0
83	PLATE3	PX	-.001	-.001	0	0
84	PLATE2	PX	-.001	-.001	0	0
85	PLATE1	PX	-.001	-.001	0	0
86	MP ALPHA3	PX	-.003	-.003	0	0
87	MP ALPHA2	PX	-.003	-.003	0	0
88	MP ALPHA1	PX	-.003	-.003	0	0
89	RAIL3	PX	-.002	-.002	0	0
90	RAIL2	PX	-.002	-.002	0	0
91	RAIL1	PX	-.001	-.001	0	0
92	FACE3	PX	-.003	-.003	0	0
93	FACE2	PX	-.003	-.003	0	0
94	FACE1	PX	-.001	-.001	0	0
95	CR3B	PX	-.001	-.001	0	0
96	CR3A	PX	-.001	-.001	0	0
97	CR2B	PX	-.001	-.001	0	0
98	CR2A	PX	-.001	-.001	0	0
99	CR1B	PX	-.001	-.001	0	0
100	CR1A	PX	-.001	-.001	0	0
101	ANGLE3	PX	-.002	-.002	0	0
102	ANGLE2	PX	-.002	-.002	0	0
103	ANGLE1	PX	-.002	-.002	0	0
104	MP GAMMA3	PX	-.003	-.003	0	0
105	MP GAMMA2	PX	-.003	-.003	0	0
106	MP GAMMA1	PX	-.003	-.003	0	0
107	MP ALPHA4	PX	-.003	-.003	0	0
108	MP BETA3	PX	-.003	-.003	0	0
109	MP BETA2	PX	-.003	-.003	0	0
110	MP BETA1	PX	-.003	-.003	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	-.002	-.002	0	0
2	SUP3A	PX	-.002	-.002	0	0
3	SUP2B	PX	-.002	-.002	0	0
4	SUP2A	PX	-.002	-.002	0	0
5	SUP1B	PX	-.002	-.002	0	0
6	SUP1A	PX	-.002	-.002	0	0
7	SO3	PX	-.002	-.002	0	0
8	SO2	PX	-.002	-.002	0	0
9	SO1	PX	-.002	-.002	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	-.001	-.001	0	0
17	PLATECORNER1B	PX	-.001	-.001	0	0
18	PLATECORNER1A	PX	-.001	-.001	0	0
19	PLATE12	PX	-.001	-.001	0	0
20	PLATE11	PX	-.001	-.001	0	0
21	PLATE10	PX	-.001	-.001	0	0

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,%]
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 ALPHA3	PX	-.004	-.004	0	0
32	MP ALPHA2	PX	-.004	-.004	0	0
33	MP ALPHA1	PX	-.004	-.004	0	0
34	RAIL3	PX	-.002	-.002	0	0
35	RAIL2	PX	-.002	-.002	0	0
36	RAIL1	PX	-.001	-.001	0	0
37	FACE3	PX	-.003	-.003	0	0
38	FACE2	PX	-.003	-.003	0	0
39	FACE1	PX	-.002	-.002	0	0
40	CR3B	PX	-.002	-.002	0	0
41	CR3A	PX	-.002	-.002	0	0
42	CR2B	PX	-.002	-.002	0	0
43	CR2A	PX	-.002	-.002	0	0
44	CR1B	PX	-.002	-.002	0	0
45	CR1A	PX	-.002	-.002	0	0
46	ANGLE3	PX	-.002	-.002	0	0
47	ANGLE2	PX	-.002	-.002	0	0
48	ANGLE1	PX	-.002	-.002	0	0
49	MP GAMMA3	PX	-.004	-.004	0	0
50	MP GAMMA2	PX	-.004	-.004	0	0
51	MP GAMMA1	PX	-.004	-.004	0	0
52	MP ALPHA4	PX	-.004	-.004	0	0
53	MP BETA3	PX	-.004	-.004	0	0
54	MP BETA2	PX	-.004	-.004	0	0
55	MP BETA1	PX	-.004	-.004	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	.000934	.000934	0	0
2	SUP3A	PY	.000934	.000934	0	0
3	SUP2B	PY	.000934	.000934	0	0
4	SUP2A	PY	.000934	.000934	0	0
5	SUP1B	PY	.000934	.000934	0	0
6	SUP1A	PY	.000934	.000934	0	0
7	SO3	PY	.000855	.000855	0	0
8	SO2	PY	.000855	.000855	0	0
9	SO1	PY	.000855	.000855	0	0
10	PLATECORNER3C	PY	.000609	.000609	0	0
11	PLATECORNER3B	PY	.000609	.000609	0	0
12	PLATECORNER3A	PY	.000609	.000609	0	0
13	PLATECORNER2C	PY	.000609	.000609	0	0
14	PLATECORNER2B	PY	.000609	.000609	0	0
15	PLATECORNER2A	PY	.000609	.000609	0	0
16	PLATECORNER1C	PY	.000609	.000609	0	0
17	PLATECORNER1B	PY	.000609	.000609	0	0
18	PLATECORNER1A	PY	.000609	.000609	0	0
19	PLATE12	PY	.000609	.000609	0	0

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,%]
20	PLATE11	PY	.000609	.000609	0	0
21	PLATE10	PY	.000609	.000609	0	0
22	PLATE9	PY	.000609	.000609	0	0
23	PLATE8	PY	.000609	.000609	0	0
24	PLATE7	PY	.000609	.000609	0	0
25	PLATE6	PY	.000609	.000609	0	0
26	PLATE5	PY	.000609	.000609	0	0
27	PLATE4	PY	.000609	.000609	0	0
28	PLATE3	PY	.000609	.000609	0	0
29	PLATE2	PY	.000609	.000609	0	0
30	PLATE1	PY	.000609	.000609	0	0
31	MP ALPHA3	PY	.002	.002	0	0
32	MP ALPHA2	PY	.002	.002	0	0
33	MP ALPHA1	PY	.002	.002	0	0
34	RAIL3	PY	.001	.001	0	0
35	RAIL2	PY	.001	.001	0	0
36	RAIL1	PY	.000609	.000609	0	0
37	FACE3	PY	.002	.002	0	0
38	FACE2	PY	.002	.002	0	0
39	FACE1	PY	.000756	.000756	0	0
40	CR3B	PY	.000855	.000855	0	0
41	CR3A	PY	.000855	.000855	0	0
42	CR2B	PY	.000855	.000855	0	0
43	CR2A	PY	.000855	.000855	0	0
44	CR1B	PY	.000855	.000855	0	0
45	CR1A	PY	.000855	.000855	0	0
46	ANGLE3	PY	.001	.001	0	0
47	ANGLE2	PY	.001	.001	0	0
48	ANGLE1	PY	.001	.001	0	0
49	MP GAMMA3	PY	.002	.002	0	0
50	MP GAMMA2	PY	.002	.002	0	0
51	MP GAMMA1	PY	.002	.002	0	0
52	MP ALPHA4	PY	.002	.002	0	0
53	MP BETA3	PY	.002	.002	0	0
54	MP BETA2	PY	.002	.002	0	0
55	MP BETA1	PY	.002	.002	0	0
56	SUP3B	PX	-.002	-.002	0	0
57	SUP3A	PX	-.002	-.002	0	0
58	SUP2B	PX	-.002	-.002	0	0
59	SUP2A	PX	-.002	-.002	0	0
60	SUP1B	PX	-.002	-.002	0	0
61	SUP1A	PX	-.002	-.002	0	0
62	SO3	PX	-.001	-.001	0	0
63	SO2	PX	-.001	-.001	0	0
64	SO1	PX	-.001	-.001	0	0
65	PLATECORNER3C	PX	-.001	-.001	0	0
66	PLATECORNER3B	PX	-.001	-.001	0	0
67	PLATECORNER3A	PX	-.001	-.001	0	0
68	PLATECORNER2C	PX	-.001	-.001	0	0
69	PLATECORNER2B	PX	-.001	-.001	0	0
70	PLATECORNER2A	PX	-.001	-.001	0	0
71	PLATECORNER1C	PX	-.001	-.001	0	0
72	PLATECORNER1B	PX	-.001	-.001	0	0
73	PLATECORNER1A	PX	-.001	-.001	0	0
74	PLATE12	PX	-.001	-.001	0	0
75	PLATE11	PX	-.001	-.001	0	0
76	PLATE10	PX	-.001	-.001	0	0

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,%]
77	PLATE9	PX	-.001	-.001	0	0
78	PLATE8	PX	-.001	-.001	0	0
79	PLATE7	PX	-.001	-.001	0	0
80	PLATE6	PX	-.001	-.001	0	0
81	PLATE5	PX	-.001	-.001	0	0
82	PLATE4	PX	-.001	-.001	0	0
83	PLATE3	PX	-.001	-.001	0	0
84	PLATE2	PX	-.001	-.001	0	0
85	PLATE1	PX	-.001	-.001	0	0
86	MP ALPHA3	PX	-.003	-.003	0	0
87	MP ALPHA2	PX	-.003	-.003	0	0
88	MP ALPHA1	PX	-.003	-.003	0	0
89	RAIL3	PX	-.002	-.002	0	0
90	RAIL2	PX	-.002	-.002	0	0
91	RAIL1	PX	-.001	-.001	0	0
92	FACE3	PX	-.003	-.003	0	0
93	FACE2	PX	-.003	-.003	0	0
94	FACE1	PX	-.001	-.001	0	0
95	CR3B	PX	-.001	-.001	0	0
96	CR3A	PX	-.001	-.001	0	0
97	CR2B	PX	-.001	-.001	0	0
98	CR2A	PX	-.001	-.001	0	0
99	CR1B	PX	-.001	-.001	0	0
100	CR1A	PX	-.001	-.001	0	0
101	ANGLE3	PX	-.002	-.002	0	0
102	ANGLE2	PX	-.002	-.002	0	0
103	ANGLE1	PX	-.002	-.002	0	0
104	MP GAMMA3	PX	-.003	-.003	0	0
105	MP GAMMA2	PX	-.003	-.003	0	0
106	MP GAMMA1	PX	-.003	-.003	0	0
107	MP ALPHA4	PX	-.003	-.003	0	0
108	MP BETA3	PX	-.003	-.003	0	0
109	MP BETA2	PX	-.003	-.003	0	0
110	MP BETA1	PX	-.003	-.003	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,%]
1	SUP3B	PY	.002	.002	0	0
2	SUP3A	PY	.002	.002	0	0
3	SUP2B	PY	.002	.002	0	0
4	SUP2A	PY	.002	.002	0	0
5	SUP1B	PY	.002	.002	0	0
6	SUP1A	PY	.002	.002	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	.001	.001	0	0
17	PLATECORNER1B	PY	.001	.001	0	0
18	PLATECORNER1A	PY	.001	.001	0	0
19	PLATE12	PY	.001	.001	0	0

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,%]
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 ALPHA3	PY	.003	.003	0	0
32	MP ALPHA2	PY	.003	.003	0	0
33	MP ALPHA1	PY	.003	.003	0	0
34	RAIL3	PY	.002	.002	0	0
35	RAIL2	PY	.002	.002	0	0
36	RAIL1	PY	.001	.001	0	0
37	FACE3	PY	.003	.003	0	0
38	FACE2	PY	.003	.003	0	0
39	FACE1	PY	.001	.001	0	0
40	CR3B	PY	.001	.001	0	0
41	CR3A	PY	.001	.001	0	0
42	CR2B	PY	.001	.001	0	0
43	CR2A	PY	.001	.001	0	0
44	CR1B	PY	.001	.001	0	0
45	CR1A	PY	.001	.001	0	0
46	ANGLE3	PY	.002	.002	0	0
47	ANGLE2	PY	.002	.002	0	0
48	ANGLE1	PY	.002	.002	0	0
49	MP GAMMA3	PY	.003	.003	0	0
50	MP GAMMA2	PY	.003	.003	0	0
51	MP GAMMA1	PY	.003	.003	0	0
52	MP ALPHA4	PY	.003	.003	0	0
53	MP BETA3	PY	.003	.003	0	0
54	MP BETA2	PY	.003	.003	0	0
55	MP BETA1	PY	.003	.003	0	0
56	SUP3B	PX	-.000934	-.000934	0	0
57	SUP3A	PX	-.000934	-.000934	0	0
58	SUP2B	PX	-.000934	-.000934	0	0
59	SUP2A	PX	-.000934	-.000934	0	0
60	SUP1B	PX	-.000934	-.000934	0	0
61	SUP1A	PX	-.000934	-.000934	0	0
62	SO3	PX	-.000855	-.000855	0	0
63	SO2	PX	-.000855	-.000855	0	0
64	SO1	PX	-.000855	-.000855	0	0
65	PLATECORNER3C	PX	-.000609	-.000609	0	0
66	PLATECORNER3B	PX	-.000609	-.000609	0	0
67	PLATECORNER3A	PX	-.000609	-.000609	0	0
68	PLATECORNER2C	PX	-.000609	-.000609	0	0
69	PLATECORNER2B	PX	-.000609	-.000609	0	0
70	PLATECORNER2A	PX	-.000609	-.000609	0	0
71	PLATECORNER1C	PX	-.000609	-.000609	0	0
72	PLATECORNER1B	PX	-.000609	-.000609	0	0
73	PLATECORNER1A	PX	-.000609	-.000609	0	0
74	PLATE12	PX	-.000609	-.000609	0	0
75	PLATE11	PX	-.000609	-.000609	0	0
76	PLATE10	PX	-.000609	-.000609	0	0

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,%]
77	PLATE9	PX	-.000609	-.000609	0	0
78	PLATE8	PX	-.000609	-.000609	0	0
79	PLATE7	PX	-.000609	-.000609	0	0
80	PLATE6	PX	-.000609	-.000609	0	0
81	PLATE5	PX	-.000609	-.000609	0	0
82	PLATE4	PX	-.000609	-.000609	0	0
83	PLATE3	PX	-.000609	-.000609	0	0
84	PLATE2	PX	-.000609	-.000609	0	0
85	PLATE1	PX	-.000609	-.000609	0	0
86	MP ALPHA3	PX	-.002	-.002	0	0
87	MP ALPHA2	PX	-.002	-.002	0	0
88	MP ALPHA1	PX	-.002	-.002	0	0
89	RAIL3	PX	-.001	-.001	0	0
90	RAIL2	PX	-.001	-.001	0	0
91	RAIL1	PX	-.000609	-.000609	0	0
92	FACE3	PX	-.002	-.002	0	0
93	FACE2	PX	-.002	-.002	0	0
94	FACE1	PX	-.000756	-.000756	0	0
95	CR3B	PX	-.000855	-.000855	0	0
96	CR3A	PX	-.000855	-.000855	0	0
97	CR2B	PX	-.000855	-.000855	0	0
98	CR2A	PX	-.000855	-.000855	0	0
99	CR1B	PX	-.000855	-.000855	0	0
100	CR1A	PX	-.000855	-.000855	0	0
101	ANGLE3	PX	-.001	-.001	0	0
102	ANGLE2	PX	-.001	-.001	0	0
103	ANGLE1	PX	-.001	-.001	0	0
104	MP GAMMA3	PX	-.002	-.002	0	0
105	MP GAMMA2	PX	-.002	-.002	0	0
106	MP GAMMA1	PX	-.002	-.002	0	0
107	MP ALPHA4	PX	-.002	-.002	0	0
108	MP BETA3	PX	-.002	-.002	0	0
109	MP BETA2	PX	-.002	-.002	0	0
110	MP BETA1	PX	-.002	-.002	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	.002	.002	0	0
2	SUP3A	PY	.002	.002	0	0
3	SUP2B	PY	.002	.002	0	0
4	SUP2A	PY	.002	.002	0	0
5	SUP1B	PY	.002	.002	0	0
6	SUP1A	PY	.002	.002	0	0
7	SO3	PY	.002	.002	0	0
8	SO2	PY	.002	.002	0	0
9	SO1	PY	.002	.002	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	.001	.001	0	0
17	PLATECORNER1B	PY	.001	.001	0	0
18	PLATECORNER1A	PY	.001	.001	0	0
19	PLATE12	PY	.001	.001	0	0

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,%]
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 ALPHA3	PY	.004	.004	0	0
32	MP ALPHA2	PY	.004	.004	0	0
33	MP ALPHA1	PY	.004	.004	0	0
34	RAIL3	PY	.002	.002	0	0
35	RAIL2	PY	.002	.002	0	0
36	RAIL1	PY	.001	.001	0	0
37	FACE3	PY	.003	.003	0	0
38	FACE2	PY	.003	.003	0	0
39	FACE1	PY	.002	.002	0	0
40	CR3B	PY	.002	.002	0	0
41	CR3A	PY	.002	.002	0	0
42	CR2B	PY	.002	.002	0	0
43	CR2A	PY	.002	.002	0	0
44	CR1B	PY	.002	.002	0	0
45	CR1A	PY	.002	.002	0	0
46	ANGLE3	PY	.002	.002	0	0
47	ANGLE2	PY	.002	.002	0	0
48	ANGLE1	PY	.002	.002	0	0
49	MP GAMMA3	PY	.004	.004	0	0
50	MP GAMMA2	PY	.004	.004	0	0
51	MP GAMMA1	PY	.004	.004	0	0
52	MP ALPHA4	PY	.004	.004	0	0
53	MP BETA3	PY	.004	.004	0	0
54	MP BETA2	PY	.004	.004	0	0
55	MP BETA1	PY	.004	.004	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	.002	.002	0	0
2	SUP3A	PY	.002	.002	0	0
3	SUP2B	PY	.002	.002	0	0
4	SUP2A	PY	.002	.002	0	0
5	SUP1B	PY	.002	.002	0	0
6	SUP1A	PY	.002	.002	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	.001	.001	0	0
17	PLATECORNER1B	PY	.001	.001	0	0

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,%]
18	PLATECORNER1A	PY	.001	.001	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 ALPHA3	PY	.003	.003	0	0
32	MP ALPHA2	PY	.003	.003	0	0
33	MP ALPHA1	PY	.003	.003	0	0
34	RAIL3	PY	.002	.002	0	0
35	RAIL2	PY	.002	.002	0	0
36	RAIL1	PY	.001	.001	0	0
37	FACE3	PY	.003	.003	0	0
38	FACE2	PY	.003	.003	0	0
39	FACE1	PY	.001	.001	0	0
40	CR3B	PY	.001	.001	0	0
41	CR3A	PY	.001	.001	0	0
42	CR2B	PY	.001	.001	0	0
43	CR2A	PY	.001	.001	0	0
44	CR1B	PY	.001	.001	0	0
45	CR1A	PY	.001	.001	0	0
46	ANGLE3	PY	.002	.002	0	0
47	ANGLE2	PY	.002	.002	0	0
48	ANGLE1	PY	.002	.002	0	0
49	MP GAMMA3	PY	.003	.003	0	0
50	MP GAMMA2	PY	.003	.003	0	0
51	MP GAMMA1	PY	.003	.003	0	0
52	MP ALPHA4	PY	.003	.003	0	0
53	MP BETA3	PY	.003	.003	0	0
54	MP BETA2	PY	.003	.003	0	0
55	MP BETA1	PY	.003	.003	0	0
56	SUP3B	PX	.000934	.000934	0	0
57	SUP3A	PX	.000934	.000934	0	0
58	SUP2B	PX	.000934	.000934	0	0
59	SUP2A	PX	.000934	.000934	0	0
60	SUP1B	PX	.000934	.000934	0	0
61	SUP1A	PX	.000934	.000934	0	0
62	SO3	PX	.000855	.000855	0	0
63	SO2	PX	.000855	.000855	0	0
64	SO1	PX	.000855	.000855	0	0
65	PLATECORNER3C	PX	.000609	.000609	0	0
66	PLATECORNER3B	PX	.000609	.000609	0	0
67	PLATECORNER3A	PX	.000609	.000609	0	0
68	PLATECORNER2C	PX	.000609	.000609	0	0
69	PLATECORNER2B	PX	.000609	.000609	0	0
70	PLATECORNER2A	PX	.000609	.000609	0	0
71	PLATECORNER1C	PX	.000609	.000609	0	0
72	PLATECORNER1B	PX	.000609	.000609	0	0
73	PLATECORNER1A	PX	.000609	.000609	0	0
74	PLATE12	PX	.000609	.000609	0	0

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,%]
75	PLATE11	PX	.000609	.000609	0	0
76	PLATE10	PX	.000609	.000609	0	0
77	PLATE9	PX	.000609	.000609	0	0
78	PLATE8	PX	.000609	.000609	0	0
79	PLATE7	PX	.000609	.000609	0	0
80	PLATE6	PX	.000609	.000609	0	0
81	PLATE5	PX	.000609	.000609	0	0
82	PLATE4	PX	.000609	.000609	0	0
83	PLATE3	PX	.000609	.000609	0	0
84	PLATE2	PX	.000609	.000609	0	0
85	PLATE1	PX	.000609	.000609	0	0
86	MP ALPHA3	PX	.002	.002	0	0
87	MP ALPHA2	PX	.002	.002	0	0
88	MP ALPHA1	PX	.002	.002	0	0
89	RAIL3	PX	.001	.001	0	0
90	RAIL2	PX	.001	.001	0	0
91	RAIL1	PX	.000609	.000609	0	0
92	FACE3	PX	.002	.002	0	0
93	FACE2	PX	.002	.002	0	0
94	FACE1	PX	.000756	.000756	0	0
95	CR3B	PX	.000855	.000855	0	0
96	CR3A	PX	.000855	.000855	0	0
97	CR2B	PX	.000855	.000855	0	0
98	CR2A	PX	.000855	.000855	0	0
99	CR1B	PX	.000855	.000855	0	0
100	CR1A	PX	.000855	.000855	0	0
101	ANGLE3	PX	.001	.001	0	0
102	ANGLE2	PX	.001	.001	0	0
103	ANGLE1	PX	.001	.001	0	0
104	MP GAMMA3	PX	.002	.002	0	0
105	MP GAMMA2	PX	.002	.002	0	0
106	MP GAMMA1	PX	.002	.002	0	0
107	MP ALPHA4	PX	.002	.002	0	0
108	MP BETA3	PX	.002	.002	0	0
109	MP BETA2	PX	.002	.002	0	0
110	MP BETA1	PX	.002	.002	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	.000934	.000934	0	0
2	SUP3A	PY	.000934	.000934	0	0
3	SUP2B	PY	.000934	.000934	0	0
4	SUP2A	PY	.000934	.000934	0	0
5	SUP1B	PY	.000934	.000934	0	0
6	SUP1A	PY	.000934	.000934	0	0
7	SO3	PY	.000855	.000855	0	0
8	SO2	PY	.000855	.000855	0	0
9	SO1	PY	.000855	.000855	0	0
10	PLATECORNER3C	PY	.000609	.000609	0	0
11	PLATECORNER3B	PY	.000609	.000609	0	0
12	PLATECORNER3A	PY	.000609	.000609	0	0
13	PLATECORNER2C	PY	.000609	.000609	0	0
14	PLATECORNER2B	PY	.000609	.000609	0	0
15	PLATECORNER2A	PY	.000609	.000609	0	0
16	PLATECORNER1C	PY	.000609	.000609	0	0
17	PLATECORNER1B	PY	.000609	.000609	0	0

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,%]
18	PLATECORNER1A	PY	.000609	.000609	0	0
19	PLATE12	PY	.000609	.000609	0	0
20	PLATE11	PY	.000609	.000609	0	0
21	PLATE10	PY	.000609	.000609	0	0
22	PLATE9	PY	.000609	.000609	0	0
23	PLATE8	PY	.000609	.000609	0	0
24	PLATE7	PY	.000609	.000609	0	0
25	PLATE6	PY	.000609	.000609	0	0
26	PLATE5	PY	.000609	.000609	0	0
27	PLATE4	PY	.000609	.000609	0	0
28	PLATE3	PY	.000609	.000609	0	0
29	PLATE2	PY	.000609	.000609	0	0
30	PLATE1	PY	.000609	.000609	0	0
31	MP ALPHA3	PY	.002	.002	0	0
32	MP ALPHA2	PY	.002	.002	0	0
33	MP ALPHA1	PY	.002	.002	0	0
34	RAIL3	PY	.001	.001	0	0
35	RAIL2	PY	.001	.001	0	0
36	RAIL1	PY	.000609	.000609	0	0
37	FACE3	PY	.002	.002	0	0
38	FACE2	PY	.002	.002	0	0
39	FACE1	PY	.000756	.000756	0	0
40	CR3B	PY	.000855	.000855	0	0
41	CR3A	PY	.000855	.000855	0	0
42	CR2B	PY	.000855	.000855	0	0
43	CR2A	PY	.000855	.000855	0	0
44	CR1B	PY	.000855	.000855	0	0
45	CR1A	PY	.000855	.000855	0	0
46	ANGLE3	PY	.001	.001	0	0
47	ANGLE2	PY	.001	.001	0	0
48	ANGLE1	PY	.001	.001	0	0
49	MP GAMMA3	PY	.002	.002	0	0
50	MP GAMMA2	PY	.002	.002	0	0
51	MP GAMMA1	PY	.002	.002	0	0
52	MP ALPHA4	PY	.002	.002	0	0
53	MP BETA3	PY	.002	.002	0	0
54	MP BETA2	PY	.002	.002	0	0
55	MP BETA1	PY	.002	.002	0	0
56	SUP3B	PX	.002	.002	0	0
57	SUP3A	PX	.002	.002	0	0
58	SUP2B	PX	.002	.002	0	0
59	SUP2A	PX	.002	.002	0	0
60	SUP1B	PX	.002	.002	0	0
61	SUP1A	PX	.002	.002	0	0
62	SO3	PX	.001	.001	0	0
63	SO2	PX	.001	.001	0	0
64	SO1	PX	.001	.001	0	0
65	PLATECORNER3C	PX	.001	.001	0	0
66	PLATECORNER3B	PX	.001	.001	0	0
67	PLATECORNER3A	PX	.001	.001	0	0
68	PLATECORNER2C	PX	.001	.001	0	0
69	PLATECORNER2B	PX	.001	.001	0	0
70	PLATECORNER2A	PX	.001	.001	0	0
71	PLATECORNER1C	PX	.001	.001	0	0
72	PLATECORNER1B	PX	.001	.001	0	0
73	PLATECORNER1A	PX	.001	.001	0	0
74	PLATE12	PX	.001	.001	0	0

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,%]
75	PLATE11	PX	.001	.001	0	0
76	PLATE10	PX	.001	.001	0	0
77	PLATE9	PX	.001	.001	0	0
78	PLATE8	PX	.001	.001	0	0
79	PLATE7	PX	.001	.001	0	0
80	PLATE6	PX	.001	.001	0	0
81	PLATE5	PX	.001	.001	0	0
82	PLATE4	PX	.001	.001	0	0
83	PLATE3	PX	.001	.001	0	0
84	PLATE2	PX	.001	.001	0	0
85	PLATE1	PX	.001	.001	0	0
86	MP ALPHA3	PX	.003	.003	0	0
87	MP ALPHA2	PX	.003	.003	0	0
88	MP ALPHA1	PX	.003	.003	0	0
89	RAIL3	PX	.002	.002	0	0
90	RAIL2	PX	.002	.002	0	0
91	RAIL1	PX	.001	.001	0	0
92	FACE3	PX	.003	.003	0	0
93	FACE2	PX	.003	.003	0	0
94	FACE1	PX	.001	.001	0	0
95	CR3B	PX	.001	.001	0	0
96	CR3A	PX	.001	.001	0	0
97	CR2B	PX	.001	.001	0	0
98	CR2A	PX	.001	.001	0	0
99	CR1B	PX	.001	.001	0	0
100	CR1A	PX	.001	.001	0	0
101	ANGLE3	PX	.002	.002	0	0
102	ANGLE2	PX	.002	.002	0	0
103	ANGLE1	PX	.002	.002	0	0
104	MP GAMMA3	PX	.003	.003	0	0
105	MP GAMMA2	PX	.003	.003	0	0
106	MP GAMMA1	PX	.003	.003	0	0
107	MP ALPHA4	PX	.003	.003	0	0
108	MP BETA3	PX	.003	.003	0	0
109	MP BETA2	PX	.003	.003	0	0
110	MP BETA1	PX	.003	.003	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,%]
1	SUP3B	PX	.002	.002	0	0
2	SUP3A	PX	.002	.002	0	0
3	SUP2B	PX	.002	.002	0	0
4	SUP2A	PX	.002	.002	0	0
5	SUP1B	PX	.002	.002	0	0
6	SUP1A	PX	.002	.002	0	0
7	SO3	PX	.002	.002	0	0
8	SO2	PX	.002	.002	0	0
9	SO1	PX	.002	.002	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	.001	.001	0	0
17	PLATECORNER1B	PX	.001	.001	0	0

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,%]
18	PLATECORNER1A	PX	.001	.001	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 ALPHA3	PX	.004	.004	0	0
32	MP ALPHA2	PX	.004	.004	0	0
33	MP ALPHA1	PX	.004	.004	0	0
34	RAIL3	PX	.002	.002	0	0
35	RAIL2	PX	.002	.002	0	0
36	RAIL1	PX	.001	.001	0	0
37	FACE3	PX	.003	.003	0	0
38	FACE2	PX	.003	.003	0	0
39	FACE1	PX	.002	.002	0	0
40	CR3B	PX	.002	.002	0	0
41	CR3A	PX	.002	.002	0	0
42	CR2B	PX	.002	.002	0	0
43	CR2A	PX	.002	.002	0	0
44	CR1B	PX	.002	.002	0	0
45	CR1A	PX	.002	.002	0	0
46	ANGLE3	PX	.002	.002	0	0
47	ANGLE2	PX	.002	.002	0	0
48	ANGLE1	PX	.002	.002	0	0
49	MP GAMMA3	PX	.004	.004	0	0
50	MP GAMMA2	PX	.004	.004	0	0
51	MP GAMMA1	PX	.004	.004	0	0
52	MP ALPHA4	PX	.004	.004	0	0
53	MP BETA3	PX	.004	.004	0	0
54	MP BETA2	PX	.004	.004	0	0
55	MP BETA1	PX	.004	.004	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	-.000934	-.000934	0	0
2	SUP3A	PY	-.000934	-.000934	0	0
3	SUP2B	PY	-.000934	-.000934	0	0
4	SUP2A	PY	-.000934	-.000934	0	0
5	SUP1B	PY	-.000934	-.000934	0	0
6	SUP1A	PY	-.000934	-.000934	0	0
7	SO3	PY	-.000855	-.000855	0	0
8	SO2	PY	-.000855	-.000855	0	0
9	SO1	PY	-.000855	-.000855	0	0
10	PLATECORNER3C	PY	-.000609	-.000609	0	0
11	PLATECORNER3B	PY	-.000609	-.000609	0	0
12	PLATECORNER3A	PY	-.000609	-.000609	0	0
13	PLATECORNER2C	PY	-.000609	-.000609	0	0
14	PLATECORNER2B	PY	-.000609	-.000609	0	0
15	PLATECORNER2A	PY	-.000609	-.000609	0	0

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,%]
16	PLATECORNER1C	PY	-.000609	-.000609	0	0
17	PLATECORNER1B	PY	-.000609	-.000609	0	0
18	PLATECORNER1A	PY	-.000609	-.000609	0	0
19	PLATE12	PY	-.000609	-.000609	0	0
20	PLATE11	PY	-.000609	-.000609	0	0
21	PLATE10	PY	-.000609	-.000609	0	0
22	PLATE9	PY	-.000609	-.000609	0	0
23	PLATE8	PY	-.000609	-.000609	0	0
24	PLATE7	PY	-.000609	-.000609	0	0
25	PLATE6	PY	-.000609	-.000609	0	0
26	PLATE5	PY	-.000609	-.000609	0	0
27	PLATE4	PY	-.000609	-.000609	0	0
28	PLATE3	PY	-.000609	-.000609	0	0
29	PLATE2	PY	-.000609	-.000609	0	0
30	PLATE1	PY	-.000609	-.000609	0	0
31	MP ALPHA3	PY	-.002	-.002	0	0
32	MP ALPHA2	PY	-.002	-.002	0	0
33	MP ALPHA1	PY	-.002	-.002	0	0
34	RAIL3	PY	-.001	-.001	0	0
35	RAIL2	PY	-.001	-.001	0	0
36	RAIL1	PY	-.000609	-.000609	0	0
37	FACE3	PY	-.002	-.002	0	0
38	FACE2	PY	-.002	-.002	0	0
39	FACE1	PY	-.000756	-.000756	0	0
40	CR3B	PY	-.000855	-.000855	0	0
41	CR3A	PY	-.000855	-.000855	0	0
42	CR2B	PY	-.000855	-.000855	0	0
43	CR2A	PY	-.000855	-.000855	0	0
44	CR1B	PY	-.000855	-.000855	0	0
45	CR1A	PY	-.000855	-.000855	0	0
46	ANGLE3	PY	-.001	-.001	0	0
47	ANGLE2	PY	-.001	-.001	0	0
48	ANGLE1	PY	-.001	-.001	0	0
49	MP GAMMA3	PY	-.002	-.002	0	0
50	MP GAMMA2	PY	-.002	-.002	0	0
51	MP GAMMA1	PY	-.002	-.002	0	0
52	MP ALPHA4	PY	-.002	-.002	0	0
53	MP BETA3	PY	-.002	-.002	0	0
54	MP BETA2	PY	-.002	-.002	0	0
55	MP BETA1	PY	-.002	-.002	0	0
56	SUP3B	PX	.002	.002	0	0
57	SUP3A	PX	.002	.002	0	0
58	SUP2B	PX	.002	.002	0	0
59	SUP2A	PX	.002	.002	0	0
60	SUP1B	PX	.002	.002	0	0
61	SUP1A	PX	.002	.002	0	0
62	SO3	PX	.001	.001	0	0
63	SO2	PX	.001	.001	0	0
64	SO1	PX	.001	.001	0	0
65	PLATECORNER3C	PX	.001	.001	0	0
66	PLATECORNER3B	PX	.001	.001	0	0
67	PLATECORNER3A	PX	.001	.001	0	0
68	PLATECORNER2C	PX	.001	.001	0	0
69	PLATECORNER2B	PX	.001	.001	0	0
70	PLATECORNER2A	PX	.001	.001	0	0
71	PLATECORNER1C	PX	.001	.001	0	0
72	PLATECORNER1B	PX	.001	.001	0	0

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,%]
73	PLATECORNER1A	PX	.001	.001	0	0
74	PLATE12	PX	.001	.001	0	0
75	PLATE11	PX	.001	.001	0	0
76	PLATE10	PX	.001	.001	0	0
77	PLATE9	PX	.001	.001	0	0
78	PLATE8	PX	.001	.001	0	0
79	PLATE7	PX	.001	.001	0	0
80	PLATE6	PX	.001	.001	0	0
81	PLATE5	PX	.001	.001	0	0
82	PLATE4	PX	.001	.001	0	0
83	PLATE3	PX	.001	.001	0	0
84	PLATE2	PX	.001	.001	0	0
85	PLATE1	PX	.001	.001	0	0
86	MP ALPHA3	PX	.003	.003	0	0
87	MP ALPHA2	PX	.003	.003	0	0
88	MP ALPHA1	PX	.003	.003	0	0
89	RAIL3	PX	.002	.002	0	0
90	RAIL2	PX	.002	.002	0	0
91	RAIL1	PX	.001	.001	0	0
92	FACE3	PX	.003	.003	0	0
93	FACE2	PX	.003	.003	0	0
94	FACE1	PX	.001	.001	0	0
95	CR3B	PX	.001	.001	0	0
96	CR3A	PX	.001	.001	0	0
97	CR2B	PX	.001	.001	0	0
98	CR2A	PX	.001	.001	0	0
99	CR1B	PX	.001	.001	0	0
100	CR1A	PX	.001	.001	0	0
101	ANGLE3	PX	.002	.002	0	0
102	ANGLE2	PX	.002	.002	0	0
103	ANGLE1	PX	.002	.002	0	0
104	MP GAMMA3	PX	.003	.003	0	0
105	MP GAMMA2	PX	.003	.003	0	0
106	MP GAMMA1	PX	.003	.003	0	0
107	MP ALPHA4	PX	.003	.003	0	0
108	MP BETA3	PX	.003	.003	0	0
109	MP BETA2	PX	.003	.003	0	0
110	MP BETA1	PX	.003	.003	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	-.002	-.002	0	0
2	SUP3A	PY	-.002	-.002	0	0
3	SUP2B	PY	-.002	-.002	0	0
4	SUP2A	PY	-.002	-.002	0	0
5	SUP1B	PY	-.002	-.002	0	0
6	SUP1A	PY	-.002	-.002	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

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,%]
16	PLATECORNER1C	PY	-.001	-.001	0	0
17	PLATECORNER1B	PY	-.001	-.001	0	0
18	PLATECORNER1A	PY	-.001	-.001	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 ALPHA3	PY	-.003	-.003	0	0
32	MP ALPHA2	PY	-.003	-.003	0	0
33	MP ALPHA1	PY	-.003	-.003	0	0
34	RAIL3	PY	-.002	-.002	0	0
35	RAIL2	PY	-.002	-.002	0	0
36	RAIL1	PY	-.001	-.001	0	0
37	FACE3	PY	-.003	-.003	0	0
38	FACE2	PY	-.003	-.003	0	0
39	FACE1	PY	-.001	-.001	0	0
40	CR3B	PY	-.001	-.001	0	0
41	CR3A	PY	-.001	-.001	0	0
42	CR2B	PY	-.001	-.001	0	0
43	CR2A	PY	-.001	-.001	0	0
44	CR1B	PY	-.001	-.001	0	0
45	CR1A	PY	-.001	-.001	0	0
46	ANGLE3	PY	-.002	-.002	0	0
47	ANGLE2	PY	-.002	-.002	0	0
48	ANGLE1	PY	-.002	-.002	0	0
49	MP GAMMA3	PY	-.003	-.003	0	0
50	MP GAMMA2	PY	-.003	-.003	0	0
51	MP GAMMA1	PY	-.003	-.003	0	0
52	MP ALPHA4	PY	-.003	-.003	0	0
53	MP BETA3	PY	-.003	-.003	0	0
54	MP BETA2	PY	-.003	-.003	0	0
55	MP BETA1	PY	-.003	-.003	0	0
56	SUP3B	PX	.000934	.000934	0	0
57	SUP3A	PX	.000934	.000934	0	0
58	SUP2B	PX	.000934	.000934	0	0
59	SUP2A	PX	.000934	.000934	0	0
60	SUP1B	PX	.000934	.000934	0	0
61	SUP1A	PX	.000934	.000934	0	0
62	SO3	PX	.000855	.000855	0	0
63	SO2	PX	.000855	.000855	0	0
64	SO1	PX	.000855	.000855	0	0
65	PLATECORNER3C	PX	.000609	.000609	0	0
66	PLATECORNER3B	PX	.000609	.000609	0	0
67	PLATECORNER3A	PX	.000609	.000609	0	0
68	PLATECORNER2C	PX	.000609	.000609	0	0
69	PLATECORNER2B	PX	.000609	.000609	0	0
70	PLATECORNER2A	PX	.000609	.000609	0	0
71	PLATECORNER1C	PX	.000609	.000609	0	0
72	PLATECORNER1B	PX	.000609	.000609	0	0

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,%]
73	PLATECORNER1A	PX	.000609	.000609	0	0
74	PLATE12	PX	.000609	.000609	0	0
75	PLATE11	PX	.000609	.000609	0	0
76	PLATE10	PX	.000609	.000609	0	0
77	PLATE9	PX	.000609	.000609	0	0
78	PLATE8	PX	.000609	.000609	0	0
79	PLATE7	PX	.000609	.000609	0	0
80	PLATE6	PX	.000609	.000609	0	0
81	PLATE5	PX	.000609	.000609	0	0
82	PLATE4	PX	.000609	.000609	0	0
83	PLATE3	PX	.000609	.000609	0	0
84	PLATE2	PX	.000609	.000609	0	0
85	PLATE1	PX	.000609	.000609	0	0
86	MP ALPHA3	PX	.002	.002	0	0
87	MP ALPHA2	PX	.002	.002	0	0
88	MP ALPHA1	PX	.002	.002	0	0
89	RAIL3	PX	.001	.001	0	0
90	RAIL2	PX	.001	.001	0	0
91	RAIL1	PX	.000609	.000609	0	0
92	FACE3	PX	.002	.002	0	0
93	FACE2	PX	.002	.002	0	0
94	FACE1	PX	.000756	.000756	0	0
95	CR3B	PX	.000855	.000855	0	0
96	CR3A	PX	.000855	.000855	0	0
97	CR2B	PX	.000855	.000855	0	0
98	CR2A	PX	.000855	.000855	0	0
99	CR1B	PX	.000855	.000855	0	0
100	CR1A	PX	.000855	.000855	0	0
101	ANGLE3	PX	.001	.001	0	0
102	ANGLE2	PX	.001	.001	0	0
103	ANGLE1	PX	.001	.001	0	0
104	MP GAMMA3	PX	.002	.002	0	0
105	MP GAMMA2	PX	.002	.002	0	0
106	MP GAMMA1	PX	.002	.002	0	0
107	MP ALPHA4	PX	.002	.002	0	0
108	MP BETA3	PX	.002	.002	0	0
109	MP BETA2	PX	.002	.002	0	0
110	MP BETA1	PX	.002	.002	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	-.003	-.009	.808	2.425
2	SUP1B	Z	-.009	-.015	2.425	4.041
3	SUP1A	Z	-.009	-.014	0	1.347
4	SUP1A	Z	-.014	-.011	1.347	2.694
5	SUP1A	Z	-.011	-.002	2.694	4.041
6	SUP3B	Z	-.003	-.009	.808	2.425
7	SUP3B	Z	-.009	-.015	2.425	4.041
8	SUP3A	Z	-.009	-.014	0	1.347
9	SUP3A	Z	-.014	-.011	1.347	2.694
10	SUP3A	Z	-.011	-.002	2.694	4.041
11	SUP2B	Z	-.003	-.009	.808	2.425
12	SUP2B	Z	-.009	-.015	2.425	4.041
13	SUP2A	Z	-.002	-.011	0	1.347
14	SUP2A	Z	-.011	-.014	1.347	2.694
15	SUP2A	Z	-.014	-.009	2.694	4.041

Member Distributed Loads (BLC 44 : BLC 27 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	-.004	-.013	.808	2.425
2	SUP1B	Z	-.013	-.022	2.425	4.041
3	SUP1A	Z	-.013	-.019	0	1.347
4	SUP1A	Z	-.019	-.016	1.347	2.694
5	SUP1A	Z	-.016	-.003	2.694	4.041
6	SUP3B	Z	-.004	-.013	.808	2.425
7	SUP3B	Z	-.013	-.022	2.425	4.041
8	SUP3A	Z	-.013	-.019	0	1.347
9	SUP3A	Z	-.019	-.016	1.347	2.694
10	SUP3A	Z	-.016	-.003	2.694	4.041
11	SUP2B	Z	-.004	-.013	.808	2.425
12	SUP2B	Z	-.013	-.022	2.425	4.041
13	SUP2A	Z	-.003	-.016	0	1.347
14	SUP2A	Z	-.016	-.019	1.347	2.694
15	SUP2A	Z	-.019	-.013	2.694	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	N91	N88A		Z	Two Way	-.01
3	N87B	N89	N91A		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	N91	N88A		Z	Two Way	-.014
3	N87B	N89	N91A		Z	Two Way	-.014

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					32	55		
3	Dead Load	DL			-1.1		32		3	
4	Wind Load (30)	DL					64	110		
5	Wind Load (60)	DL					64	110		
6	Wind Load (90)	DL					32	55		
7	Wind Load (120)	DL					64	110		
8	Wind Load (150)	DL					64	110		
9	Wind Load (180)	DL					32	55		
10	Wind Load (210)	DL					64	110		
11	Wind Load (240)	DL					64	110		
12	Wind Load (270)	DL					32	55		
13	Wind Load (300)	DL					64	110		
14	Wind Load (330)	DL					64	110		
15	Maintanence (0)	DL					32	55		
16	Maintanence (30)	DL					64	110		
17	Maintanence (60)	DL					64	110		
18	Maintanence (90)	DL					32	55		
19	Maintanence (120)	DL					64	110		
20	Maintanence (150)	DL					64	110		
21	Maintanence (180)	DL					32	55		
22	Maintanence (210)	DL					64	110		
23	Maintanence (240)	DL					64	110		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
24	Maintanence (270)	DL					32	55		
25	Maintanence (300)	DL					64	110		
26	Maintanence (330)	DL					64	110		
27	Ice Dead Load	DL					32	55	3	
28	Ice Wind Load (0)	DL					32	55		
29	Ice Wind Load (30)	DL					64	110		
30	Ice Wind Load (60)	DL					64	110		
31	Ice Wind Load (90)	DL					32	55		
32	Ice Wind Load (120)	DL					64	110		
33	Ice Wind Load (150)	DL					64	110		
34	Ice Wind Load (180)	DL					32	55		
35	Ice Wind Load (210)	DL					64	110		
36	Ice Wind Load (240)	DL					64	110		
37	Ice Wind Load (270)	DL					32	55		
38	Ice Wind Load (300)	DL					64	110		
39	Ice Wind Load (330)	DL					64	110		
40	Earthquake (x-direction)	DL	-.123				32			
41	Earthquake (y-direction)	DL		-.123			32			
42	Earthquake (z-direction)	DL			-.049		32			
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...	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 + 1.0Wl(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 + 1.0Wl(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 + 1.0Wl(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 + 1.0Wl(90)	Yes	Y		3	1.2	1	1.5	18	1														
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 + 1.0Wl(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 + 1.0Wl(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 + 1.0Wl(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 + 1.0Wl(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 + 1.0Wl(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 + 1.0Wl(270)	Yes	Y		3	1.2	1	1.5	24	1														

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...	B...	Fa...
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 + 1.0Wl(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 + 1.0Wl(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 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	1.503	11	2.878	2	2.654	21	6.28	21	1.245	11	2.101	29
2		min	-1.505	29	-2.377	20	.338	2	.164	2	-1.425	29	-2.104	11
3	N185B	max	2.169	8	1.215	2	2.702	9	.65	23	5.357	9	1.547	17
4		min	-2.603	26	-1.467	20	.363	26	-2.993	5	.085	26	-1.548	35
5	N187B	max	2.366	14	1.423	32	2.589	33	-.005	17	.214	11	1.537	5
6		min	-1.931	32	-1.672	14	.29	14	-3.241	36	-5.183	30	-1.54	23
7	Totals:	max	5.715	11	5.477	2	7.428	21						
8		min	-5.715	29	-5.477	20	3.387	2						

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

	Member	Shape	Code Check	Lo...	LC	Shear Ch...	Lo...		LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
1	ANGLE3	L2.5x2.5x3	.655	1....	11	.152	1....	y	29	27.2...	29.1...	.873	1.972	...	H2-1
2	MP GAMMA2	PIPE_2.0	.616	1....	8	.090	1....		23	17.8...	32.13	1.872	1.872	...	H1-...
3	ANGLE2	L2.5x2.5x3	.615	1....	32	.131	1....	y	14	27.2...	29.1...	.873	1.972	...	H2-1
4	MP BETA2	PIPE_2.0	.612	1....	32	.102	1....		11	17.8...	32.13	1.872	1.872	...	H1-...
5	MP BETA3	PIPE_2.0	.576	2....	8	.211	2....		11	12.1...	32.13	1.872	1.872	...	H1-...
6	MP GAMMA3	PIPE_2.0	.546	2....	20	.196	2....		23	12.1...	32.13	1.872	1.872	...	H1-...
7	MP ALPHA2	PIPE_2.0	.513	1....	11	.089	1....		35	17.8...	32.13	1.872	1.872	...	H1-...
8	MP ALPHA3	PIPE_2.0	.512	2....	32	.178	2....		35	12.1...	32.13	1.872	1.872	...	H1-...
9	ANGLE1	L2.5x2.5x3	.492	0	26	.126	1....	y	5	27.2...	29.1...	.873	1.972	...	H2-1
10	RAIL3	PIPE_2.0	.482	.5...	11	.421	.26		11	6.295	32.13	1.872	1.872	...	H3-6
11	RAIL2	PIPE_2.0	.417	.5...	35	.381	.26		35	6.295	32.13	1.872	1.872	...	H3-6
12	SO3	HSS4X4X4	.392	5....	21	.144	5....	y	29	124....	139....	16.1...	16.1.....		H1-...
13	MP GAMMA1	PIPE_2.0	.381	1....	32	.212	3....		26	17.8...	32.13	1.872	1.872	...	H1-...
14	SO2	HSS4X4X4	.379	5....	33	.125	5....	y	5	124....	139....	16.1...	16.1.....		H1-...
15	SO1	HSS4X4X4	.377	5....	9	.136	5....	y	17	124....	139....	16.1...	16.1.....		H1-...
16	MP BETA1	PIPE_2.0	.364	1....	20	.213	3....		14	17.8...	32.13	1.872	1.872	...	H1-...
17	MP ALPHA1	PIPE_2.0	.353	1....	8	.164	3....		2	17.8...	32.13	1.872	1.872	...	H1-...
18	RAIL1	PIPE_2.0	.351	11...	23	.323	12...		23	6.295	32.13	1.872	1.872	...	H3-6
19	PLATECORN...	6x0.5	.232	.5...	26	.166	.5...	y	35	65.1...	97.2	1.012	12.15	...	H1-...
20	PLATECORN...	6x0.5	.231	.5...	14	.221	.5...	y	23	65.1...	97.2	1.012	12.15	...	H1-...
21	PLATECORN...	6x0.5	.229	.5...	5	.180	.5...	y	11	65.1...	97.2	1.012	12.15	...	H1-...
22	SUP2A	L2x2x3	.213	0	11	.016	0	y	9	10.3...	23.3...	.558	1.239	...	H2-1
23	SUP2B	L2x2x3	.208	4....	14	.014	4....	z	11	10.3...	23.3...	.558	1.239	...	H2-1
24	SUP3B	L2x2x3	.206	4....	26	.012	4....	z	23	10.3...	23.3...	.558	1.239	...	H2-1
25	SUP1A	L2x2x3	.205	0	14	.015	4....	z	33	10.3...	23.3...	.558	1.221	...	H2-1
26	PLATE5	6x0.375	.204	.1...	29	.595	0	y	26	68.9...	72.9	.57	9.113	...	H1-...
27	SUP3A	L2x2x3	.197	4....	24	.016	4....	z	21	10.3...	23.3...	.558	1.239	...	H2-1
28	FACE2	PIPE_3.0	.197	8....	21	.112	4....		14	28.2...	65.2...	5.749	5.749	...	H1-...
29	FACE3	PIPE_3.0	.192	8....	33	.109	4....		26	28.2...	65.2...	5.749	5.749	...	H1-...
30	FACE1	PIPE_3.0	.189	4....	9	.112	8....		2	28.2...	65.2...	5.749	5.749	...	H1-...

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

	Member	Shape	Code Check	Lo...	LC	Shear Ch...	Lo...	...	LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
31	SUP1B	L2x2x3	.189	4....	2	.012	4....	z	18	10.3...	23.3...	.558	1.239	...	H2-1
32	PLATE8	6x0.375	.179	.1...	29	.570	.1...	y	8	67.6...	72.9	.57	9.113	...	H1-...
33	CR2A	HSS4X4X4	.173	2....	24	.066	2....	z	18	136....	139....	16.1...	16.1.....		H1-...
34	CR3B	HSS4X4X4	.171	2....	32	.054	2....	z	36	136....	139....	16.1...	16.1.....		H1-...
35	CR3A	HSS4X4X4	.170	0	36	.064	0	z	30	136....	139....	16.1...	16.1.....		H1-...
36	CR1A	HSS4X4X4	.168	0	12	.063	0	z	6	136....	139....	16.1...	16.1.....		H1-...
37	CR2B	HSS4X4X4	.167	2....	20	.055	2....	z	24	136....	139....	16.1...	16.1.....		H1-...
38	PLATE3	6x0.375	.165	.1...	17	.586	0	y	14	68.9...	72.9	.57	9.113	...	H1-...
39	CR1B	HSS4X4X4	.162	0	8	.053	0	z	12	136....	139....	16.1...	16.1.....		H1-...
40	PLATE11	6x0.375	.151	.1...	17	.556	.1...	y	32	67.6...	72.9	.57	9.113	...	H1-...
41	PLATE1	6x0.375	.150	.1...	5	.645	0	y	2	68.9...	72.9	.57	9.113	...	H1-...
42	PLATE10	6x0.375	.139	.1...	2	.612	.1...	y	20	67.6...	72.9	.57	9.113	...	H1-...
43	PLATECORN...	6x0.5	.134	.15	35	.371	0	y	11	94.0...	97.2	1.012	12.15	...	H1-...
44	PLATECORN...	6x0.5	.134	.15	11	.311	0	y	23	94.0...	97.2	1.012	12.15	...	H1-...
45	PLATECORN...	6x0.5	.131	.15	23	.455	0	y	35	94.0...	97.2	1.012	12.15	...	H1-...
46	PLATE4	6x0.375	.107	.1...	29	.421	.2...	y	11	68.9...	72.9	.57	9.113	...	H1-...
47	PLATE9	6x0.375	.107	.3...	11	.364	.1...	y	5	67.6...	72.9	.57	9.113	...	H1-...
48	PLATECORN...	6x0.5	.102	.3	32	.589	.15	y	20	94.0...	97.2	1.012	12.15	...	H1-...
49	PLATE6	6x0.375	.101	.2...	11	.415	.2...	y	26	68.9...	72.9	.57	9.113	...	H1-...
50	PLATECORN...	6x0.5	.098	.3	20	.531	.15	y	11	94.0...	97.2	1.012	12.15	...	H1-...
51	PLATECORN...	6x0.5	.096	.3	8	.487	.15	y	32	94.0...	97.2	1.012	12.15	...	H1-...
52	PLATE12	6x0.375	.093	.3...	35	.394	.1...	y	29	67.6...	72.9	.57	9.113	...	H1-...
53	PLATE7	6x0.375	.090	.3...	23	.433	.1...	y	17	67.6...	72.9	.57	9.113	...	H1-...
54	PLATE2	6x0.375	.084	.2...	23	.486	.2...	y	2	68.9...	72.9	.57	9.113	...	H1-...
55	MP ALPHA4	PIPE_2.0	.052	1	11	.008	1		11	26.5...	32.13	1.872	1.872	...	H1-...

APPENDIX D

Additional Calculations

POD Job #	**20-65932**
Site Number	**876383**
Site Name	**CLINTON / ANDERSON'S PROPERTY**

Calculations Based on *TIA-222-H*

Reactions from RISA-3D

Moment	6.28	ft-kip
Axial	0.74	kips
Shear	2.654	kips

Capacities

Bolts	*7.7%*
Flange Plate	*52.7%*

Bolt Information

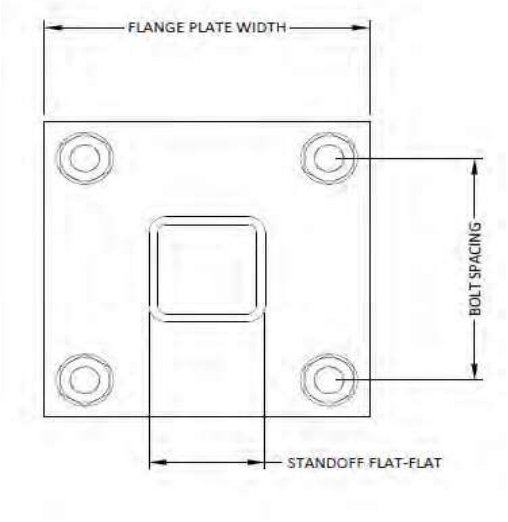
Grade	A325	
Threads in Shear Plane	Included	
Diameter	0.625	in.
Bolt Spacing	7	in.
Number of Rods	4	

Flange Plate Inforation

Width	10	in.
Thickness	0.625	in.
Grade	A36	

Standoff Information

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



Bolt Calculations

ϕ	0.75	
A_{nt}	0.226	in^2
A_b	0.307	in^2
Fu	120	ksi
ϕR_{nV}	13.81	kips
ϕR_{nt}	20.34	kips
V	0.66	kips
F	5.56	kips
Capacity	7.7%	

Flange Plate Calculations

ϕ	0.9	
Fy	36	ksi
t_{min}	0.27	in
Z	1.0	in^3
ϕM_n	31.6	in-kip
M_u	16.7	in-kip
Capacity	52.7%	

Ver 1.0 - 3/5/2019

APPENDIX E

Wind Speed Documentation

Hazards by Location

Search Information

Coordinates: 41.33812, -72.556511

Elevation: 293 ft

Timestamp: 2020-06-25T16:33:30.321Z

Hazard Type: Wind

ASCE 7-16

MRI 10-Year 75 mph

MRI 25-Year 85 mph

MRI 50-Year 94 mph

MRI 100-Year 100 mph

Risk Category I 113 mph

Risk Category II 123 mph

Risk Category III ⚠ 132 mph

If the structure under consideration is a healthcare facility and you are also within 1 mile of the coastal mean high water line, you are in a wind-borne debris region. If other occupancy, use the Risk Category II basic wind speed contours to determine if you are in a wind-borne debris region.

Risk Category IV ⚠ 136 mph

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

ASCE 7-10

MRI 10-Year 78 mph

MRI 25-Year 88 mph

MRI 50-Year 96 mph

MRI 100-Year 105 mph

Risk Category I 119 mph

Risk Category II ⚠ 130 mph

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

Risk Category III-IV ⚠ 140 mph

If the structure under consideration is a healthcare facility and you are also within 1 mile of the coastal mean high water line, you are in a wind-borne debris region. If other occupancy, use the Risk Category II basic wind speed contours to determine if you are in a wind-borne debris region.

ASCE 7-05

ASCE 7-05 Wind Speed ⚠ 115 mph

You are in a wind-borne debris region if you are also within 1 mile of the coastal mean high water line.

The results indicated here DO NOT reflect any state or local amendments to the values or any delineation lines made during the building code adoption process. Users should confirm any output obtained from this tool with the local Authority Having Jurisdiction before proceeding with design.

Disclaimer

Hazard loads are interpolated from data provided in ASCE 7 and rounded up to the nearest whole integer. Per ASCE 7, islands and coastal areas outside the last contour should use the last wind speed contour of the coastal area – in some cases, this website will extrapolate past the last wind speed contour and therefore, provide a wind speed that is slightly higher. NOTE: For queries near wind-borne debris region

Exhibit F

Power Density/RF Emissions Report

Radio Frequency Emissions Analysis Report

AT&T Existing Facility

Site ID: CTL02057

Project Type: AT&T LTE 3C

Killingworth - Clinton Road
7 Sherwood Forest Lane (a.k.a.78 Clinton Road)
Killingworth, CT 06419

July 14, 2020

Fullerton Project Number: 2020.0182.0017

Site Compliance Summary	
Compliance Status:	**COMPLIANT**
Site total MPE% of FCC general population allowable limit:	**10.62 %**

July 14, 2020

Crown Castle on Behalf of AT&T
Attn: Anne Marie Zsamba, Site Acquisition Specialist
3 Corporate Park Drive, Suite 101
Clifton Park, NY 12065

Emissions Analysis for Site: **CTL02057 – Killingworth - Clinton Road**

Fullerton Engineering Consultants, LLC ("Fullerton") was directed to analyze the proposed upgrades to the AT&T facility located at **7 Sherwood Forest Lane (a.k.a.78 Clinton Road), Killingworth, CT**, for the purpose of determining whether the emissions from the proposed AT&T antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter (µW/cm2). The number of $\mu W/cm^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

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

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

Population exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu W/cm^2$). The general population exposure limits for the 700 MHz & 850 MHz bands are approximately 467 $\mu W/cm^2$ and 567 $\mu W/cm^2$ respectively. The general population exposure limit for the 1900 MHz (PCS) band is 1000 $\mu W/cm^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

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

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were performed for the proposed upgrades to the AT&T antenna facility located at **7 Sherwood Forest Lane (a.k.a.78 Clinton Road), Killingworth, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since AT&T is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB for directional panel antennas, 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.

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. All power values expressed and analyzed are maximum power levels expected to be used on all radios.

All emissions values for additional carriers were taken from the Connecticut Siting Council (CSC) active MPE database. Values in this database are provided by the individual carriers themselves.

For each sector the following channel counts, frequency bands and power levels were utilized as shown in *Table 1*:

Technology	Frequency Band	Channel Count	Transmit Power per Channel (W)
UMTS	850 MHz	1	20
LTE	700 MHz (Band 14)	4	40
LTE	700 MHz (Band 12)	4	40
LTE / 5G NR	850 MHz	4	40
LTE	1900 MHz (PCS)	4	40

Table 1: Channel Data Table

The following antennas listed in *Table 2* were used in the modeling for transmission in the 700 MHz, 850 MHz and 1900 MHz (PCS) frequency bands. This is based on feedback from the carrier with regards to anticipated antenna selection. Maximum gain values for all antennas are listed in the Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB for directional panel antennas, 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.

Sector	Antenna Number	Antenna Make / Model	Antenna Centerline (ft)
A	1	CCI HPA-65R-BUU-H6	143
A	2	CCI OPA65R-BU6DA	143
A	3	CCI DMP65R-BU6DA	143
B	1	CCI HPA-65R-BUU-H8	143
B	2	CCI HPA-65R-BUU-H6	143
B	3	CCI DMP65R-BU8DA	143
C	1	CCI HPA-65R-BUU-H8	143
C	2	CCI HPA-65R-BUU-H6	143
C	3	CCI DMP65R-BU8DA	143

Table 2: Antenna Data

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

Cable losses were factored in the calculations for this site. For each **700 MHz** Remote Radio Unit (RRU) there was **0.18 dB** of cable loss calculated into the system gains / losses for this site. For each **850 MHz** Remote Radio Unit (RRU) there was **0.20 dB** of cable loss calculated into the system gains / losses for this site. For each **850 MHz** ground mounted radio there was **1.20 dB** of cable loss calculated into the system gains / losses for this site. For each **1900 MHz (PCS)** Remote Radio Unit (RRU) there was **0.32 dB** of cable loss calculated into the system gains / losses for this site. These values were calculated based upon the manufacturers specifications for **10 feet** of **1/2"** coax for all Remote Radio Units (RRU) and **195 feet** of **1-5/8"** for all ground mounted radios.

RESULTS

Per the calculations completed for the proposed AT&T configurations *Table 3* shows resulting emissions power levels and percentages of the FCC's allowable general population limit.

Antenna ID	Antenna Make / Model	Frequency Bands	Antenna Gain (dBd)	Channel Count	Total TX Power (W)	ERP (W)	MPE %
Antenna A1	CCI HPA-65R-BUU-H6	850 MHz	12.25	1	20	254.70	0.09
Antenna A2	CCI OPA65R-BU6DA	700 MHz (Band 14)	12.15	4	160	2,518.37	1.03
Antenna A3	CCI DMP65R-BU6DA	700 MHz (Band 12) / 850 MHz / 1900 MHz (PCS)	11.85 / 12.45 / 15.55	12	400	9,028.15	2.43
						Sector A Composite MPE%	**3.55**
Antenna B1	CCI HPA-65R-BUU-H8	850 MHz	14.05	1	20	385.50	0.13
Antenna B2	CCI HPA-65R-BUU-H6	700 MHz (Band 14)	12.45	4	160	2,698.48	1.11
Antenna B3	CCI DMP65R-BU8DA	700 MHz (Band 12) / 850 MHz / 1900 MHz (PCS)	12.95 / 13.85 / 15.65	12	400	10,340.75	2.92
						Sector B Composite MPE%	**4.16**
Antenna C1	CCI HPA-65R-BUU-H8	850 MHz	14.05	1	20	385.50	0.13
Antenna C2	CCI HPA-65R-BUU-H6	700 MHz (Band 14)	12.45	4	160	2,698.48	1.11
Antenna C3	CCI DMP65R-BU8DA	700 MHz (Band 12) / 850 MHz / 1900 MHz (PCS)	12.95 / 13.85 / 15.65	12	400	10,340.75	2.92
						Sector C Composite MPE%	**4.16**

Table 3: AT&T *Emissions Levels*

The Following table (*table 4*) shows all additional carriers on site and their MPE% as recorded in the CSC active MPE database for this facility along with the newly calculated maximum AT&T MPE contributions per this report. FCC OET 65 specifies that for carriers utilizing directional antennas that the highest recorded sector value be used for composite site MPE values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. For this site, the sectors with the largest calculated MPE% are **Sectors B&C**. *Table 5* below shows a summary for each AT&T Sector as well as the composite MPE value for the site.

Site Composite MPE%	
Carrier	**MPE%**
AT&T – Max Sector Value: Sectors B&C	**4.16 %**
Sprint	2.59 %
Verizon Wireless	3.87 %
Site Total MPE %:	**10.62 %**

Table 4: All Carrier MPE Contributions

AT&T Sector A Total:	3.55 %
AT&T Sector B Total:	4.16 %
AT&T Sector C Total:	4.16 %
Site Total:	10.62 %

Table 5: Site MPE Summary

FCC OET 65 specifies that for carriers utilizing directional antennas that the highest recorded sector value be used for composite site MPE values due to their greatly reduced emissions contributions in the directions of the adjacent sectors. *Table 6* below details a breakdown by frequency band and technology for the MPE power values for the maximum calculated AT&T sector(s). For this site, the sectors with the largest calculated MPE% are **Sectors B&C**.

AT&T _ Frequency Band / Technology Max Power Values (Sectors B&C)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu W/cm^2$)	Frequency (MHz)	Allowable MPE ($\mu W/cm^2$)	Calculated % MPE
AT&T 850 MHz UMTS	1	385.50	143	0.74	850 MHz	567	0.13%
AT&T 700 MHz LTE (Band 14)	4	674.62	143	5.17	700 MHz	467	1.11%
AT&T 700 MHz LTE (Band 12)	4	756.94	143	5.80	700 MHz	467	1.24%
AT&T 850 MHz LTE / 5G NR	4	463.48	143	3.55	850 MHz	567	0.63%
AT&T 1900 MHz (PCS) LTE	4	1,364.77	143	10.46	1900 MHz (PCS)	1000	1.05%
						Total:	**4.16%**

Table 6: AT&T *Maximum Sector MPE Power Values*

Summary

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

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

AT&T Sector	Power Density Value (%)
Sector A:	3.55 %
Sector B:	4.16 %
Sector C:	4.16 %
AT&T Maximum Total (per sector):	4.16 %
Site Total:	10.62 %
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **10.62 %** 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.

Scott Heffernan
VP RF Engineering
Fullerton Engineering Consultants, LLC
1100 E. Woodfield Road, Suite 500
Schaumburg, IL 60173