



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

August 3, 2020

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

RE: Notice of Exempt Modification for AT&T - 857012
335 South Washington Street, Plainville, CT 06062
Latitude: 41° 39' 11.03" / Longitude: -72° 52' 36.90"

Dear Ms. Bachman:

AT&T currently maintains twelve (12) antennas at the 121-foot mount on the existing 121-foot Monopole Tower, located at 335 South Washington Street, Plainville, CT. The property is owned by Display Properties LLC and the Tower is owned by Crown Castle. AT&T now intends to add three (3) RRUs, six (6) diplexers, three (3) RRU mounts, and relocate various existing RRUs on the tower.

The facility was approved by the Connecticut Siting Council in Docket No. 281 on June 23, 2004. The approval was given with conditions which this exempt modification follows.

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 Robert E. Lee, Town Manager for the Town of Plainville, Garrett Daigle, Town Planner, Display Properties LLC as the property owner 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.

The Foundation for a Wireless World.

CrownCastle.com

Melanie A. Bachman

Page 2

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:

Robert E. Lee, Town Manager
Plainville Municipal Center
1 Central Square
Plainville, CT 06062
860-793-0221

Garrett Daigle, Town Planner
Plainville Municipal Center
1 Central Square – Room 100
Plainville, CT 06062
860-793-0221

Display Properties LLC
335 S Washington Street
Plainville, CT 06062

Crown Castle, Tower Owner

ORIGIN ID: SCHA (518) 350-3639
ANNE MARIE ZSAMBA
CROWN CASTLE
21 HEATHER DRIVE

SHIP DATE: 03AUG20
ACTWGT: 1.00 LB
CAD: 104924194/INET4280

GANSEVOORT, NY 12831
UNITED STATES US

BILL SENDER

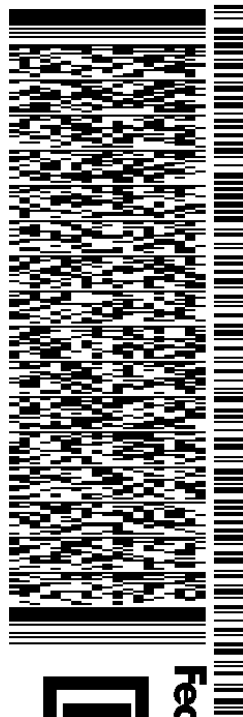
TO **DISPLAY PROPERTIES LLC**

335 SOUTH WASHINGTON STREET

PLAINVILLE CT 06062

(201) 236-9224 REF: 1734.7880

INV: PO: DEPT:

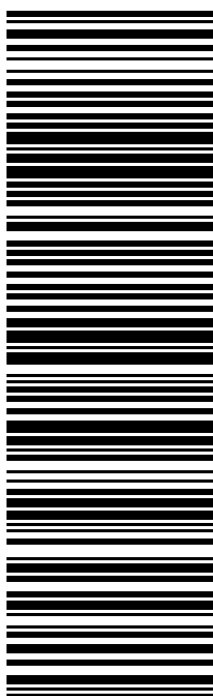


56BJ2/7709/B766

TRK# 77111 5363 4551
0201

TUE - 04 AUG 10:30A
PRIORITY OVERNIGHT

EB KXAA 06062
CT-US BDL



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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 Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

ORIGIN ID: SCHA (518) 350-3639
ANNE MARIE ZSAMBA
CROWN CASTLE
21 HEATHER DRIVE

SHIP DATE: 03AUG20
ACTWGT: 1.00 LB
CAD: 104924194/NET4280

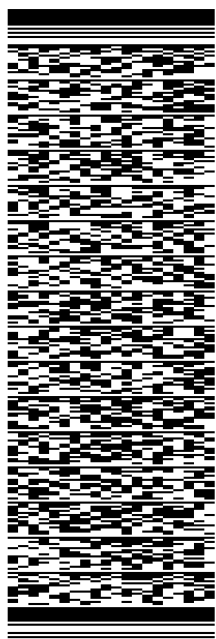
GANSEVOORT, NY 12831
UNITED STATES US

BILL SENDER

TO ROBERT E. LEE, TOWN MANAGER
TOWN OF PLAINVILLE
1 CENTRAL SQUARE

PLAINVILLE CT 06062

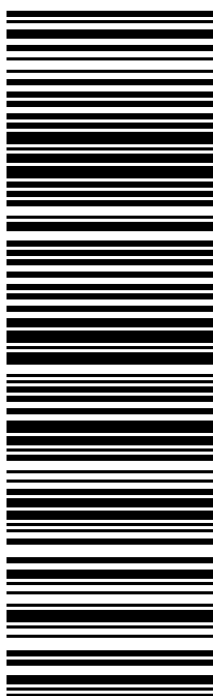
(860) 793-0221 REF: 1734.7880
INV: DEPT:
PO:



TRK# 77111 5363 2294
0201

TUE - 04 AUG 10:30A
PRIORITY OVERNIGHT

EB KXAA 06062
CT-US BDL



56BJ2/7709/B766

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ANNE MARIE ZSAMBA
CROWN CASTLE
21 HEATHER DRIVE

SHIP DATE: 03AUG20
ACTWGT: 1.00 LB
CAD: 104924194/NET4280

GANSEVOORT, NY 12831
UNITED STATES US

BILL SENDER

TO GARRETT DAIGLE, TOWN PLANNER

TOWN OF PLAINVILLE

1 CENTRAL SQUARE

ROOM 100

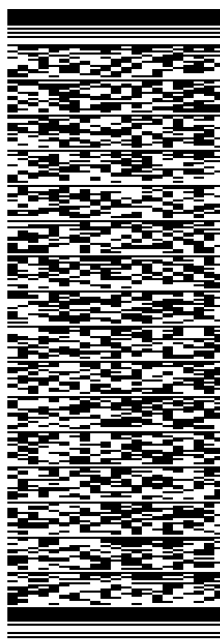
PLAINVILLE CT 06062

(860) 793-0221

REF: 1734.7880

INV:

DEPT:

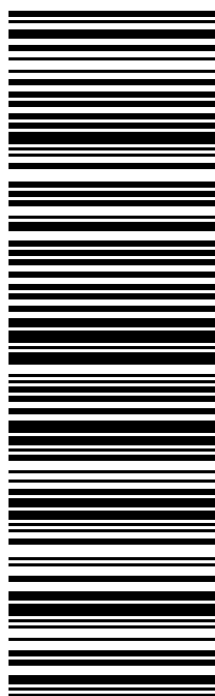


TRK# 7711 5363 3360
0201

TUE - 04 AUG 10:30A
PRIORITY OVERNIGHT

EB KXAA

06062
CT-US BDL



56BJ2/7709/B766

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Exhibit A

Original Facility Approval

Connecticut Siting Council^(/CSC)

[CT.gov Home](#) [\(/\)](#) [Connecticut Siting Council](#) [\(/CSC\)](#) DO 281 Plainville Decision

- [Decisions \(/CSC/Decisions/Decisions\)](#) >
- [Meetings and Minutes \(/CSC/Common-Elements/v4-template/Council-Activity\)](#) >
- [Pending Matters \(/CSC/1_Dockets-and-Other-Pending-Matters/Pending-Matters\)](#) >
- [Sign Up for E-mail Alerts \(https://confirmsubscription.com/h/j/C214111A631B4BB8\)](#) >
- [About Us \(/CSC/Common-Elements/Common-Elements/Connecticut-Siting-Council---Description\)](#) >
- [Contact Us \(/CSC/Common-Elements/Common-Elements/Contact-Us\)](#) >

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DOCKET NO. 281 – New Cingular Wireless PCS, LLC Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility at 355 South Washington Street, Plainville, Connecticut.	}	Connecticut
	}	Siting
	}	Council
		June 23, 2004

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared with the policies of the State concerning such effects, and the Council finds that the application meets the requirements of the Act and therefore directs that a Certificate of Environmental Compatibility be issued to the applicant as provided by General Statutes § 16-50k, be issued to

☐ Yes

☐ No

Next

AT&T Wireless PCS d/b/a AT&T Wireless for the construction, maintenance and operation of a wireless telecommunications facility at Site B, 355 South Washington Street, Plainville, Connecticut. The Council denies certification of Site A, located off of Town Line Road, Plainville, Connecticut.

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

1. The tower shall be designed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of AT&T Wireless PCS LLC, Omnipoint Communications Inc. d/b/a T-Mobile, Cellco partnership d/b/a Verizon Wireless and other entities, both public and private, but such tower shall not exceed a total height of 120 feet above ground level. The height at the top of the antennas shall not exceed a height of 123 feet above ground level.
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Plainville and all parties and intervenors, as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction. The D&M shall include:
 - a. a detailed site development plan that depicts the location of the access road, compound, tower, utility line, erosion and sedimentation control features, and landscaping;
 - b. specifications for the tower, tower foundation, antennas, equipment building, and security fence; and
 - c. construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of electromagnetic radio frequency power density is submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
4. Upon the frequencies standards.

☐ Yes

☐ No

al radio frequency standards applicable to shall be brought into compliance with such

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.
7. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
8. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.
9. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved. Any request for extensions of the period shall be filed with the Council not later than sixty days prior to expiration date of the Certificate and shall be served on all parties and intervenors, as listed in the service list. Any proposed modifications to this Decision and Order shall likewise be so served.

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

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

The parties and intervenors to this proceeding are:

Applicant

AT&T Wireless PCS, LLC d/b/a AT&T Wireless

☐ Yes

☐ No

Its Representative

Christopher B. Fisher, Esq.
Cuddy & Feder, LLP
90 Maple Avenue
White Plains, NY 10601

Next

Intervenor

Omnipoint Communications Inc d/b/a T-Mobile

Its Representative

Stephen J. Humes
LeBoeuf, Lamb, Greene & MacRae, LLP
Goodwin Square
25 Asylum Street
Hartford, CT 06103

Intervenor

Cellco Partnership d/b/a Verizon Wireless

Its Representative

Kenneth C. Baldwin, Esq.
Robinson & Cole, LLP
280 Trumbull Street
Hartford, CT 06103-3597

Party.

Robert S. Bocwinski
1785 St. Andrews Place
New Richmond, WI 54017-6050

☐

Yes

☐

No

Next

TOWN OF PLAINVILLE
BUILDING PERMIT
793-0221

PERMIT#: 35717
DATE: 10/03/05
RECEIPT: 045638

ESTIMATED COST: 78,000.00

PERMIT FEE: 1,175.00

CERT OF OCCUP FEE: .00

#CO: 00000

ZONING CERT: .00

#ZP: 00000

STATE FEE: 12.48

TOTAL FEE: 1,187.48

MISCELLANEOUS INCOME	.00
----------------------	-----

I hereby apply for a building permit to:
cell tower facility w/85' X 90' fenced gravel compound

Lot#: Location: 335 South Washington St.

OWNER: Display Properties LLC
335 S. Washington Street
Plainville, CT
747-9110

CONTRACTOR: New Cingular Wireless PCS
500 Enterprise Drive
Rocky Hill, CT

06067

I hereby certify that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as an authorized agent and we agree to conform to all of the requirements of the laws of the State of Connecticut and the ordinances of the Town of Plainville and to notify the Building Official of any alteration in the plans or specifications of the building for which the permit is asked.

Applicant _____ Date _____

Approved By _____ Date 10/20/05

Exhibit B

Property Card

Plainville, CT : Assessor Database

Property Search:

Parcel ID:	Alternate ID:	Owner 1 Name:	Street Number:	Street Name:
				...

Property Detail:

Parcel ID:	Alternate ID/Map Block Lot:	Card:	Card:	Street Name:	Street Number:	Zoning:	LUC:	Acre:
42-A-03	R05380	1	1	S WASHINGTON ST	335	RI	Manufacturing Warehouse Facilities	8.00

Owner Information:

Owner 1 Name:	DISPLAY PROPERTIES LLC
Owner 2 Name:	
Street 1:	335 S WASHINGTON ST
Street 2:	
City:	PLAINVILLE
State:	CT
Zip:	06062
Volume:	374
Page:	357
Deed Date:	0000-00-00

Building Information:

Building Number:	1
Units:	1
Structure Type:	WAREHOUSE
Grade:	B-
Identical Units:	1
Year Built:	1989

Valuation:

Appraised Land:	\$467,600.00
Appraised Bldg:	\$3,284,900.00
Appraised Total:	\$3,752,500.00
Total Assessment:	\$2,626,750.00

Property Images:

Picture:

There is no picture available.

Sketch:

135		135		<table><tr><th>ID</th><th>Code</th><th>Description</th></tr><tr><td>A</td><td>VS1</td><td>1S</td></tr><tr><td>B</td><td>VS1</td><td>1S</td></tr><tr><td>C</td><td>VS1</td><td>1S</td></tr><tr><td>D</td><td>VEC</td><td>MISC VECTOR</td></tr><tr><td>E</td><td>VS1</td><td>1S</td></tr><tr><td>F</td><td>045</td><td>WAREHOUSE</td></tr><tr><td>G</td><td>082</td><td>MULTI-USE OFFICE</td></tr><tr><td>H</td><td>045</td><td>WAREHOUSE</td></tr><tr><td>I</td><td>084</td><td>MULTI USE STORAGE</td></tr><tr><td>J</td><td>082</td><td>MULTI-USE OFFICE</td></tr><tr><td>K</td><td>PA1</td><td>PAVING ASPHALT PARK</td></tr><tr><td>L</td><td>LT5</td><td>LIGHT - MER - POLE &</td></tr><tr><td>M</td><td>TT4</td><td>TOWER CELLULAR</td></tr><tr><td>N</td><td>LD5</td><td>DOCK LEVELERS</td></tr><tr><td>O</td><td>SS1</td><td>SPRINKLER SYS WET</td></tr><tr><td>P</td><td>OD1</td><td>OVERHEAD DR-WOOD</td></tr><tr><td>Q</td><td>OD1</td><td>OVERHEAD DR-WOOD</td></tr></table>	ID	Code	Description	A	VS1	1S	B	VS1	1S	C	VS1	1S	D	VEC	MISC VECTOR	E	VS1	1S	F	045	WAREHOUSE	G	082	MULTI-USE OFFICE	H	045	WAREHOUSE	I	084	MULTI USE STORAGE	J	082	MULTI-USE OFFICE	K	PA1	PAVING ASPHALT PARK	L	LT5	LIGHT - MER - POLE &	M	TT4	TOWER CELLULAR	N	LD5	DOCK LEVELERS	O	SS1	SPRINKLER SYS WET	P	OD1	OVERHEAD DR-WOOD	Q	OD1	OVERHEAD DR-WOOD
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67	B	67	51	D																																																						
35	15	35	50	135																																																						

Sales History:

Book:	Page:	Sale Date:	Price:	Validity:	Sale Type:
374	357	03/27/2001	1,953,261	B	2
130	418	05/07/1963			
261	271	09/14/1988			
261	313	09/14/1988			
374	357	03/27/2001			

Out-Buildings:

Code:	Description:	Units:	Year Built:	Size1:	Size2:	Area:	Grade:	Condition:
PA1	PAVING ASPHALT PARKING	1	1989	1	9200	9200	C	NORMAL (Comm)
LT5	LIGHT - MER - POLE & BRK	4	2006	0	0	1	C	NORMAL (Comm)
TT4	TOWER CELLULAR	1	2000	1	120	120	C	NORMAL (Comm)

Building Interior/Exterior Information:

Floor From:	Floor To:	Area:	Use Type:	Exterior Walls:	Contruction Type:	Heating:	A/C:	Plumbing:	Functional UI
01	01	39140	WAREHOUSE	METAL, SANDWICH	FIRE RESISTANT	UNIT HEATERS	NONE	NORMAL	3
01	01	34279	WAREHOUSE	METAL, SANDWICH	FIRE RESISTANT	UNIT HEATERS	NONE	NORMAL	3
01	01	7584	MULTI-USE OFFICE	METAL, SANDWICH	FIRE RESISTANT	HOT AIR	CENTRAL	NORMAL	2
M1	M1	2179	MULTI USE STORAGE	METAL, SANDWICH	FIRE RESISTANT	HOT AIR	NONE	NONE	3

Exhibit C

Construction Drawings



AT&T SITE NUMBER: CTL01029
AT&T SITE NAME: PLAINVILLE SOUTH WASHINGTON ST
AT&T FA CODE: 10105805
AT&T PACE NUMBER: MRCTB046566, MRCTB046724

BUSINESS UNIT #: 857012
SITE ADDRESS: 335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

AT&T PTN NUMBER: 2051A0V58T, 2051A0V58V

COUNTY: HARTFORD
TOWER HEIGHT: 121'-0"
SITE TYPE: MONOPOLE

PROJECT: AT&T 6C & 7C

SITE INFORMATION	
CROWN CASTLE USA INC. SITE NAME:	PLAINVILLE SOUTH WASHINGTON ST
SITE ADDRESS:	335 SOUTH WASHINGTON ST PLAINVILLE, CT 06062
COUNTY:	HARTFORD
MAP/PARCEL #:	NOT PROVIDED
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.6531111°
LONGITUDE:	-72.8769211°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	182'
CURRENT ZONING:	RI
JURISDICTION:	HARTFORD COUNTY
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	DISPLAY PROPERTIES LLC 335 SOUTH WASHINGTON ST PLAINVILLE, CT 06062
TOWER OWNER:	CROWN CASTLE USA INC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	AT&T TOWER ASSET GROUP 575 MOROSGO DRIVE ATLANTA, GA 30324-3300
ELECTRIC PROVIDER:	NOT PROVIDED
TELCO PROVIDER:	NOT PROVIDED

DRAWING INDEX	
SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-1.1	EQUIPMENT PLAN
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	FINAL ANTENNA & FEEDLINE SCHEDULE
C-4	EQUIPMENT DETAILS
G-1	GROUNDING SCHEMATIC
G-2	GROUNDING DETAILS
ATTACHED	PLUMBING DIAGRAM
ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 24x36. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.	

PROJECT DESCRIPTION	
THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.	
TOWER SCOPE OF WORK - INSTALL (3) ERICSSON RRUS 4478 B14 RRHs - INSTALL (3) VALMONT - RRUDSM BACK TO BACK RRH MOUNTS - INSTALL (6) KAEUS DBCT108F1V92-1 DIPLEXERS - RELOCATE (3) ERICSSON RRUS 4426 B66 RRHs - RELOCATE (3) ERICSSON - RRUS 11 B12 RRHs	
GROUND SCOPE OF WORK - INSTALL (3) ERICSSON RRUS-E2 B29 RRHs - INSTALL (1) IDLE	

LOCATION MAP

DEPART BRADLEY INTERNATIONAL AIRPORT. HEAD NORTH TOWARD BRADLEY INTERNATIONAL AIRPORT. SLIGHT LEFT ONTO BRADLEY INTERNATIONAL AIRPORT CON. CONTINUE ONTO CT-20 E/BRADLEY INTERNATIONAL AIRPORT CON. TAKE THE EXIT ONTO I-91 S TOWARD HARTFORD. TAKE EXIT 32A-32B FOR I-84 W TOWARD WATERBURY. MERGE ONTO I-84. KEEP LEFT TO STAY ON I-84. TAKE EXIT 33 FOR CT-72 W TOWARD BRISTOL. CONTINUE ONTO CT-72 W. TAKE EXIT 1 FOR CT-177/NORTH WASHINGTON STREET. TURN LEFT ONTO CT-177 S. TURN RIGHT ONTO TOWN LINE RD. TURN RIGHT ONTO ROBERT JACKSON WAY. ARRIVE AT PLAINVILLE SOUTH WASHINGTON ST.



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 BUILDING CODE OF CONNECTICUT
MECHANICAL	2018 MECHANICAL CODE OF CONNECTICUT
ELECTRICAL	2017 NEC

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

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	CROWN CASTLE
DATED:	JUNE 4, 2020
MOUNT ANALYSIS:	POWER OF DESIGN
DATED:	MAY 28, 2020
RFDS REVISION:	1.00
DATED:	3/26/20
ORDER ID:	517107
REVISION:	0

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AT&T SITE NUMBER:
CTL01029

BU #: **857012**
PLAINVILLE SOUTH WASHINGTON ST

335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

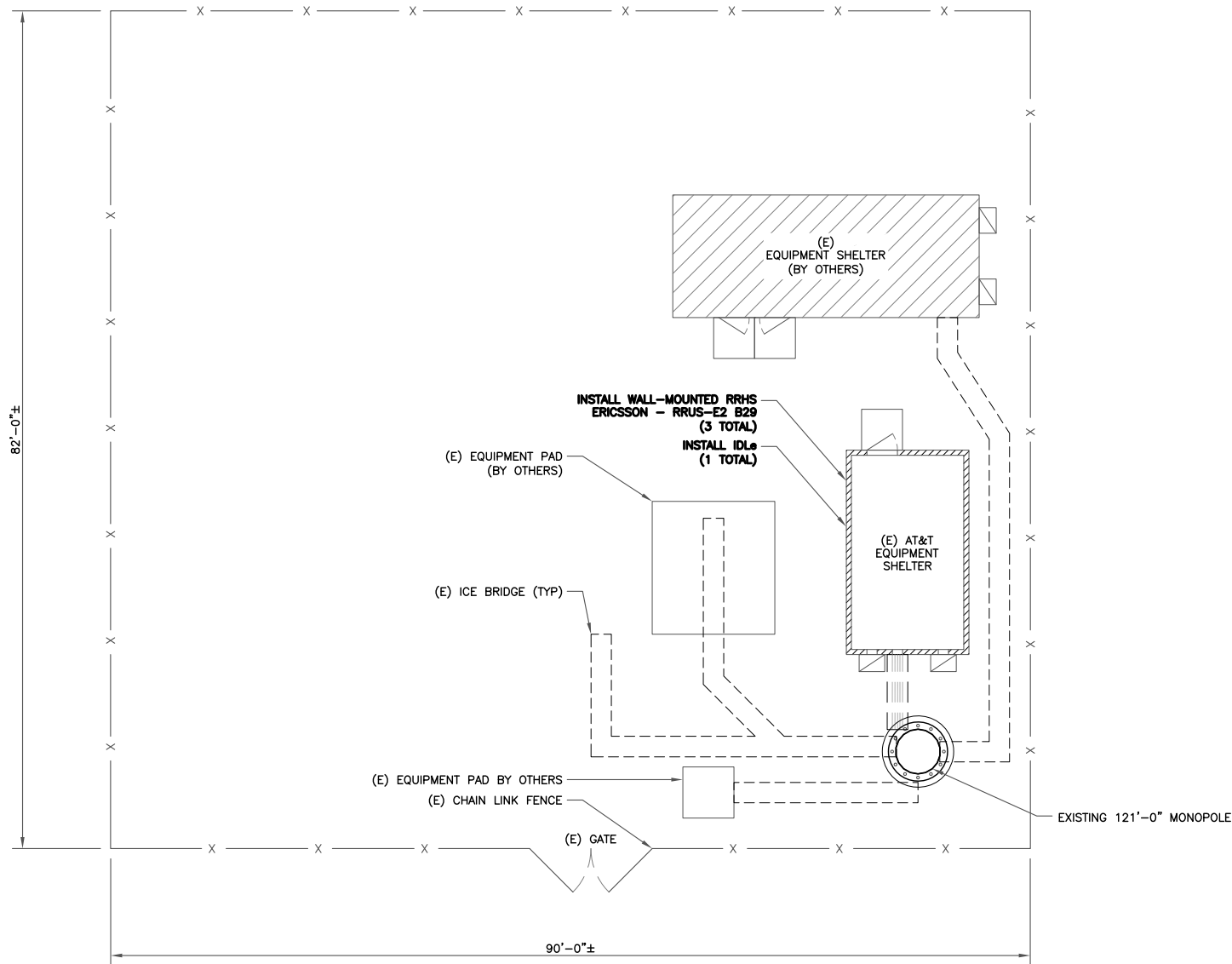
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1 SITE PLAN
SCALE: 1/8"=1'-0" (FULL SIZE)
1/16"=1'-0" (11x17)



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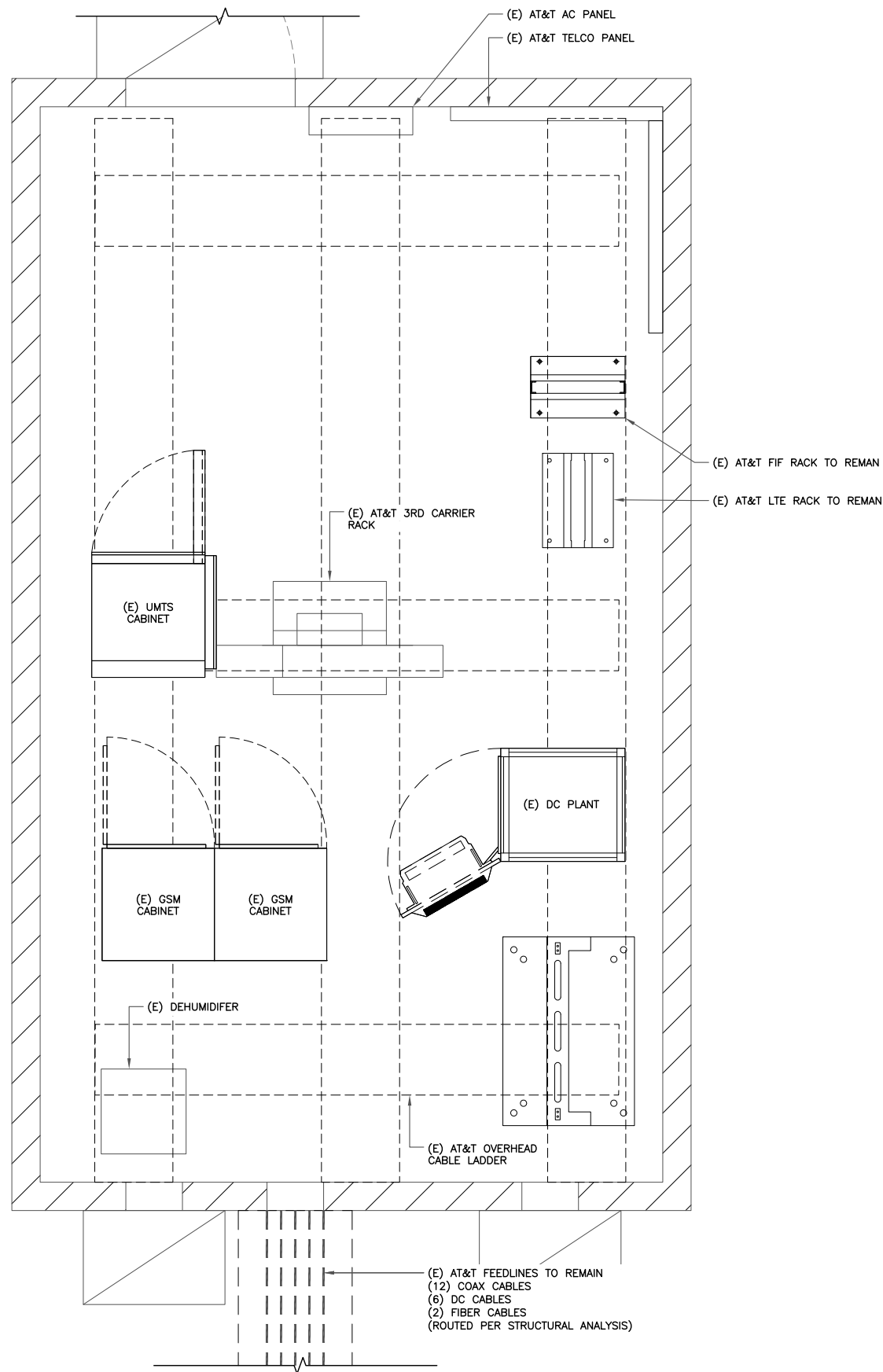


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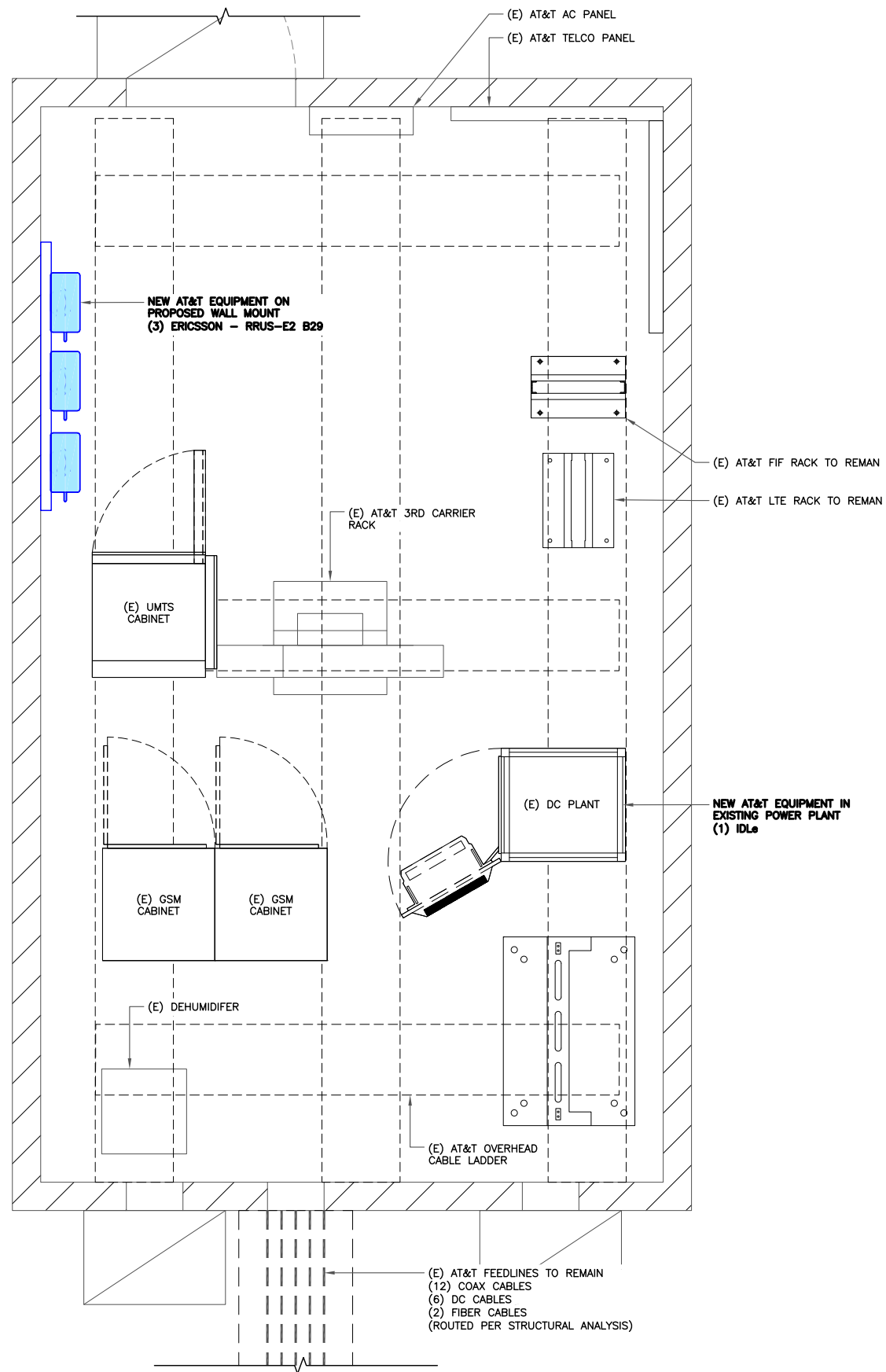
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1 SITE PLAN
SCALE: 3/4"=1'-0" (FULL SIZE)
3/8"=1'-0" (11x17)



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



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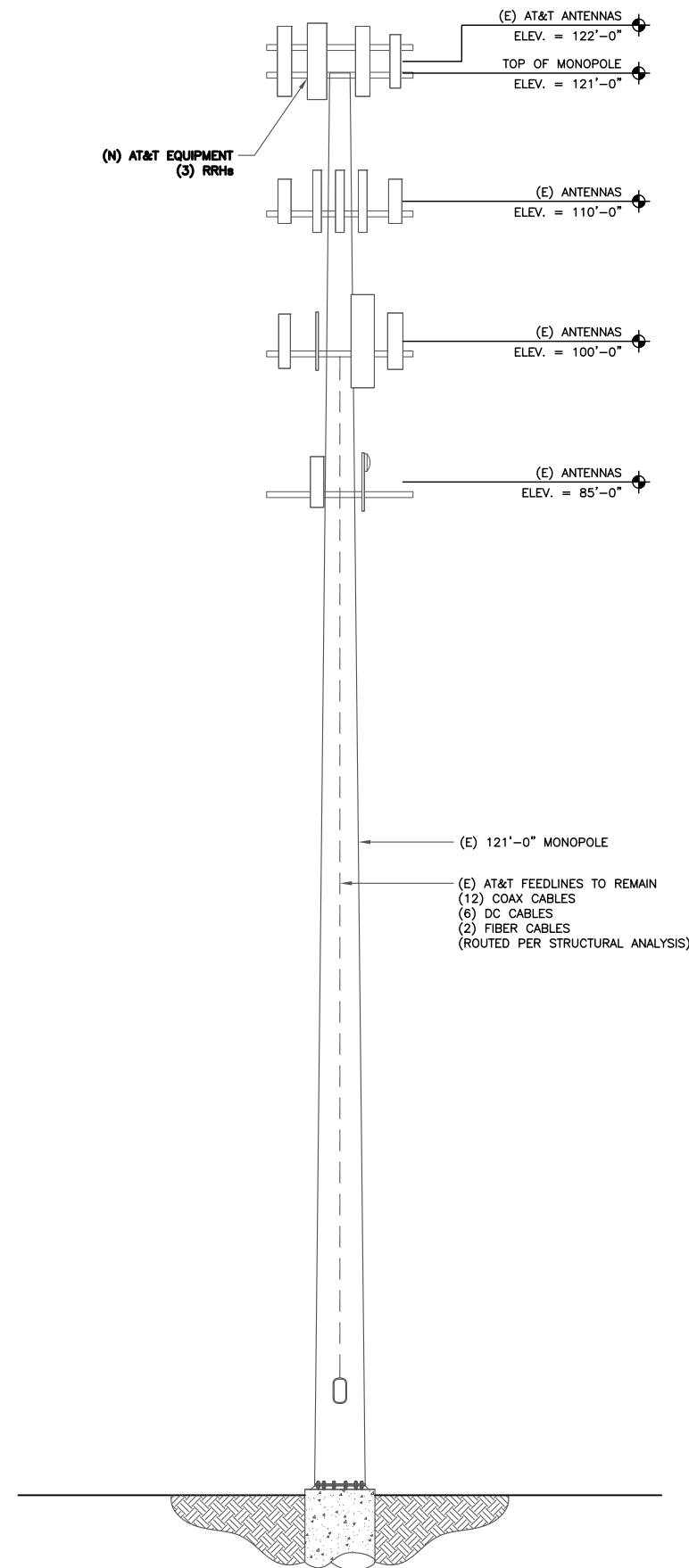
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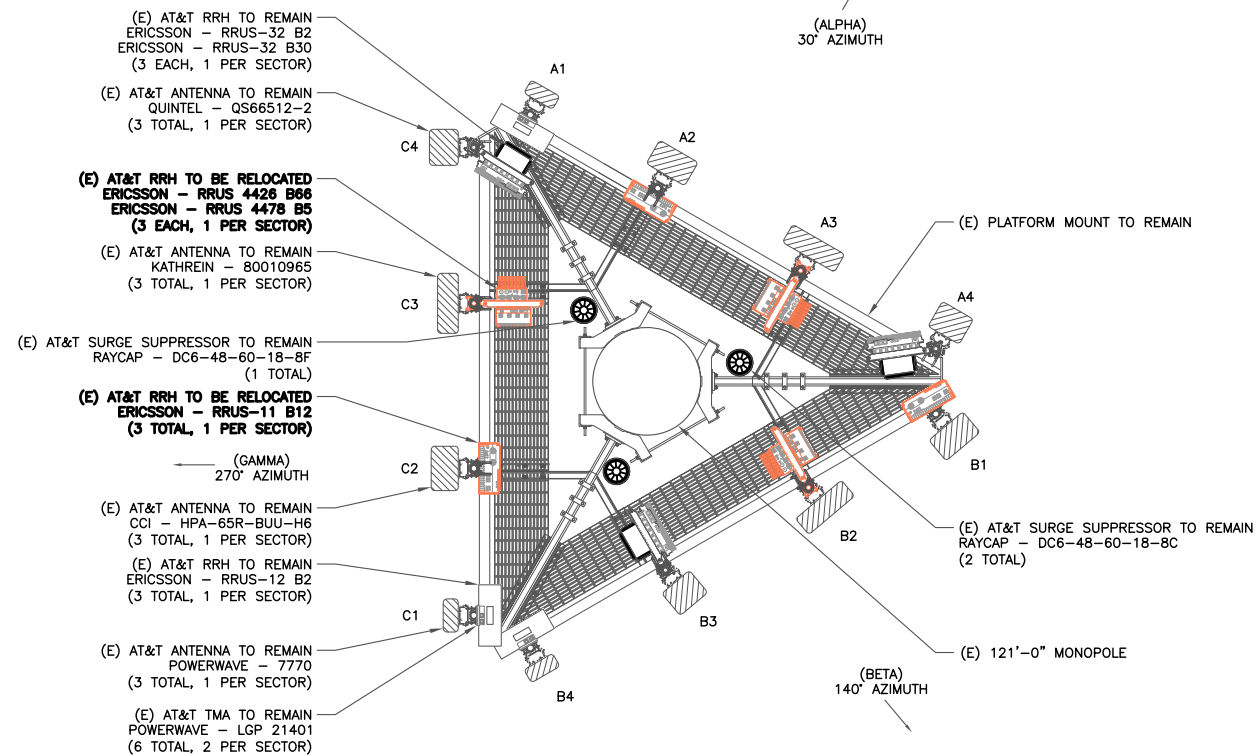
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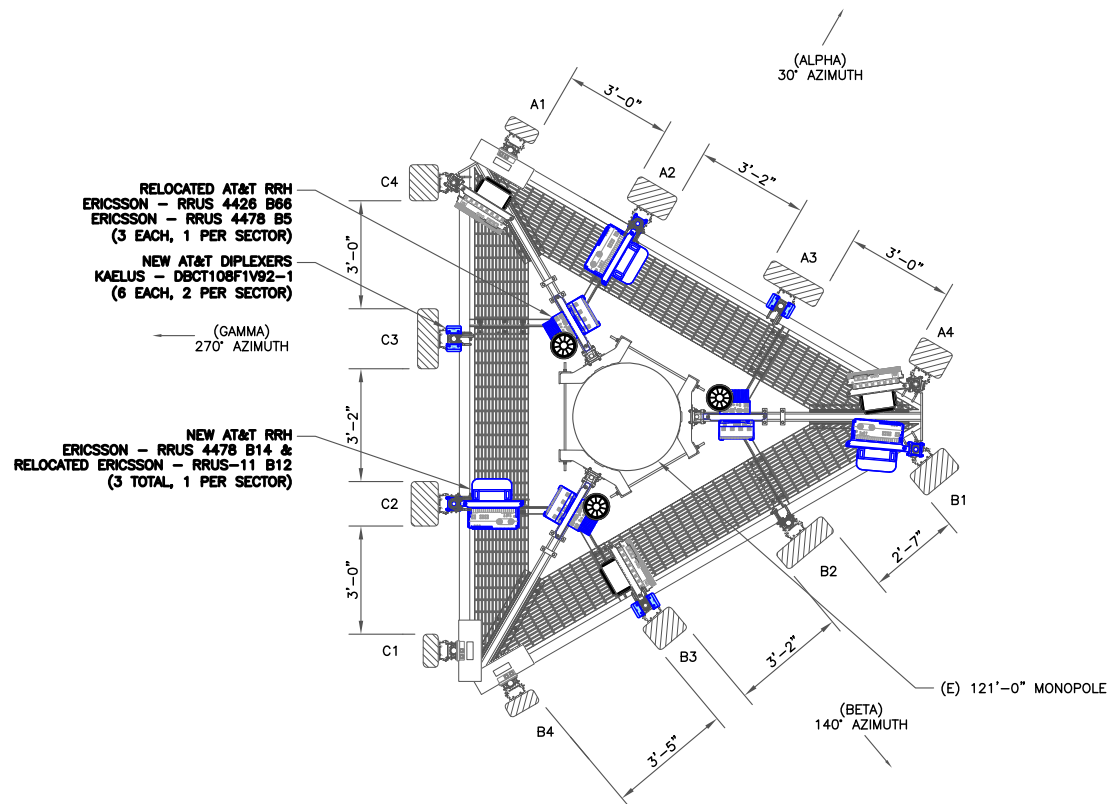
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1 FINAL ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 FINAL ANTENNA PLAN
SCALE: NOT TO SCALE

"LOOK UP" - CROWN CASTLE USA INC.
SAFETY CLIMB REQUIREMENT:

THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.

- NOTES:
1. REFERENCE C-3 FOR FINAL EQUIPMENT SCHEDULE.
 2. REFERENCE C-4 FOR NEW EQUIPMENT SPECIFICATIONS.
 3. CONTRACTOR TO VERIFY ALL ANTENNA TIP HEIGHTS DO NOT EXCEED BEACON BASE HEIGHT.

- MOUNT ANALYSIS NOTES:
1. THE DESIGN DEPICTED IN THESE DRAWINGS IS VALID WHEN ACCOMPANIED BY A CORRESPONDING PASSING MOUNT ANALYSIS.
 2. CONSTRUCTION MANAGER / GENERAL CONTRACTOR SHALL REVIEW THE MOUNT ANALYSIS FOR ANY CONDITIONS PRIOR TO INSTALLATION.
 3. ANY REQUIRED MOUNT MODIFICATION DESIGN OR MOUNT REPLACEMENT SHALL BE APPROVED BY EOR.



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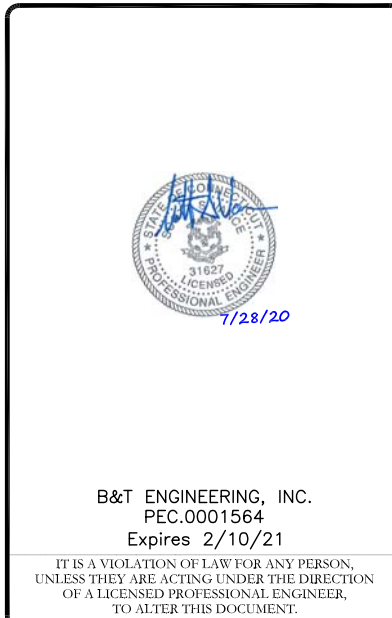
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SHEET NUMBER: **C-2**

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FINAL ANTENNA AND FEEDLINE 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	SURGE PROTECTION	DC/FIBER CABLES	RRHs QTY & MODEL ON TOWER	LOCATION	DIPLEXER ON TOWER	DIPLEXER ON GROUND	RET CABLE
ALPHA SECTOR																		
A1	UMTS	EXISTING	30°	POWERWAVE 7770	122'–0"	0°	0°	1 5/8"	157'–0"	4	LGP ⁽²⁾ 21401	DC6–48–60–18–8C	(1) FIBER (2) DC	(1) RRUS–12 B2	TOWER	N	Y	Y
A2	LTE	EXISTING	30°	CCI HPA–65R–BUU–H6	122'–0"	0°	8°	–	–	–	–			(1) RRUS–11 B12	TOWER	N	N	Y
A3	LTE	EXISTING	30°	KATHREIN 80010965	122'–0"	0°	10°/10°/5°/10°	–	–	–	–			(1) 4478 B14 (1) 4478 B5 (1) 4426 B66	TOWER	Y	N	Y
A4	LTE	EXISTING	30°	QUINTEL QS66512–2	122'–0"	0°	3°/5°/5°/3°	–	–	–	–			(1) RRUS–E2 B29 (1) RRUS–32 B2 (1) RRUS–32 B30	GROUND TOWER TOWER	N	Y	Y
BETA SECTOR																		
B1	UMTS	EXISTING	140°	CCI HPA–65R–BUU–H6	122'–0"	0°	4°	–	–	–	–	DC6–48–60–18–8C	(1) FIBER (2) DC	(1) RRUS–11 B12	TOWER	N	N	Y
B2	LTE	EXISTING	140°	KATHREIN 80010965	122'–0"	0°	4°/4°/3°/4°	–	–	–	–			(1) 4478 B14 (1) 4478 B5 (1) 4426 B66	TOWER	N	Y	Y
B3	LTE	EXISTING	140°	QUINTEL QS66512–2	122'–0"	0°	3°/3°/3°/3°	–	–	–	–			(1) RRUS–E2 B29 (1) RRUS–32 B2 (1) RRUS–32 B30	GROUND TOWER TOWER	Y	N	Y
B4	LTE	EXISTING	150°	POWERWAVE 7770	122'–0"	0°	0°	1 5/8"	157'–0"	4	LGP ⁽²⁾ 21401			(1) RRUS–12 B2	TOWER	N	Y	Y
GAMMA SECTOR																		
C1	UMTS	EXISTING	270°	POWERWAVE 7770	122'–0"	0°	0°	1 5/8"	157'–0"	4	LGP ⁽²⁾ 21401	DC6–48–60–18–8F	FIBER (SHARED) (2) DC	(1) RRUS–12 B2	TOWER	N	Y	Y
C2	LTE	EXISTING	270°	CCI HPA–65R–BUU–H6	122'–0"	0°	4°	–	–	–	–			(1) RRUS–11 B12	TOWER	N	N	Y
C3	LTE	EXISTING	270°	KATHREIN 80010965	122'–0"	0°	4°/4°/3°/4°	–	–	–	–			(1) 4478 B14 (1) 4478 B5 (1) 4426 B66	TOWER	Y	N	Y
C4	LTE	EXISTING	270°	QUINTEL QS66512–2	122'–0"	0°	3°/3°/3°/3°	–	–	–	–			(1) RRUS–E2 B29 (1) RRUS–32 B2 (1) RRUS–32 B30	GROUND TOWER TOWER	N	Y	Y

NOTE: BOLD DENOTES NEW EQUIPMENT



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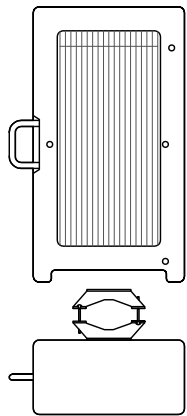
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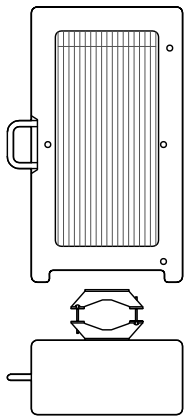
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ERICSSON - 4478 B14
WEIGHT (FULLY EQUIPPED): 59.9 LBS
SIZE (HxWxD): 16.5x13.4x7.7 IN.
CONNECTOR TYPE: 4.3-10 FEMALE (4 TOTAL PORTS)

1 ERICSSON - 4478 B14
SCALE: NOT TO SCALE

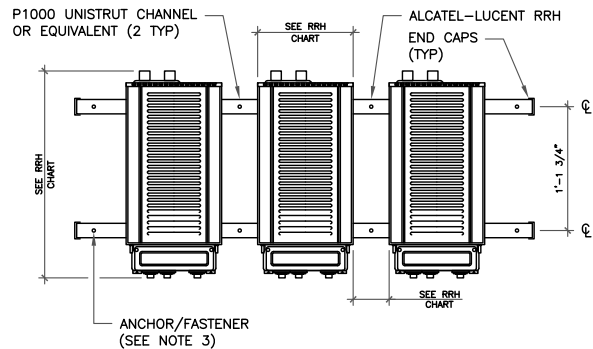


ERICSSON - RRUS-E2 B29
WEIGHT (FULLY EQUIPPED): 60 LBS
SIZE (HxWxD): 20.4x18.5x7.5 IN.
CONNECTOR TYPE: 4.3-10 FEMALE (4 TOTAL PORTS)

2 ERICSSON - RRUS-E2 B29
SCALE: NOT TO SCALE

NOTES:

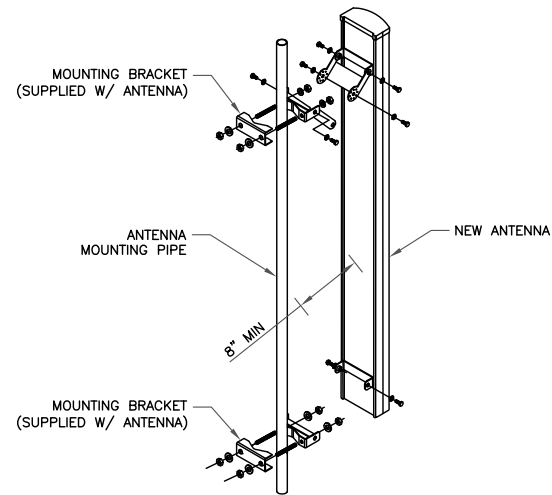
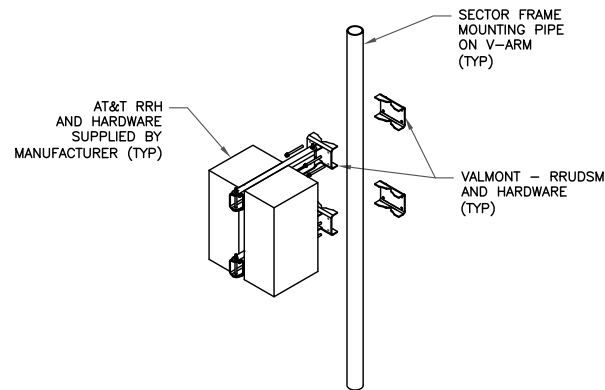
- ALCATEL-LUCENT (ALU) VIA AT&T SUPPLIES THE RRH. SUBCONTRACTOR SHALL SUPPLY ALL OTHER MATERIALS AND INSTALL ALL MOUNTING HARDWARE. ALU INSTALLS RRH AND MAKES CABLE TERMINATIONS.
- A SUPPORT FOR A SINGLE RRH SHALL HAVE A MINIMUM OF TWO ANCHORS/FASTENERS FOR EACH UNISTRUT CHANNEL.
- INSTALL ANCHORS/FASTENERS A MAXIMUM OF 2'-0" ON CENTERS.
 - WOOD STUDS - 1/4" LAG BOLT W/ 1" EMBEDMENT IN WOOD
 - CONCRETE - 1/4" HILTI KWIK BOLT III W/ 1-1/2" EMBEDMENT OR EQUIVALENT
 - THROUGH BOLT - 1/4" A36/A307 THREADED ROD W/ NUTS AND WASHERS
 - MASONRY - 1/2" HILTI HY20 W/ 6" EMBEDMENT ANCHORS AND UNISTRUT CHANNEL SHALL HAVE HOT-DIPPED GALVANIZED FINISH.
- MOUNT RRH TO UNISTRUT WITH 3/8" UNISTRUT BOLTING HARDWARE AND SPRING NUTS. TYPICAL FOUR PER BRACKET. SUBCONTRACTOR SHALL SUPPLY.
- NO PAINTING OF THE RRH OR SOLAR SHIELD IS ALLOWED.



3 WALL-MOUNTED RRH DETAIL
SCALE: NOT TO SCALE

INSTALLER NOTES:

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



4 ANTENNA WITH RRHs MOUNTING DETAIL
SCALE: NOT TO SCALE



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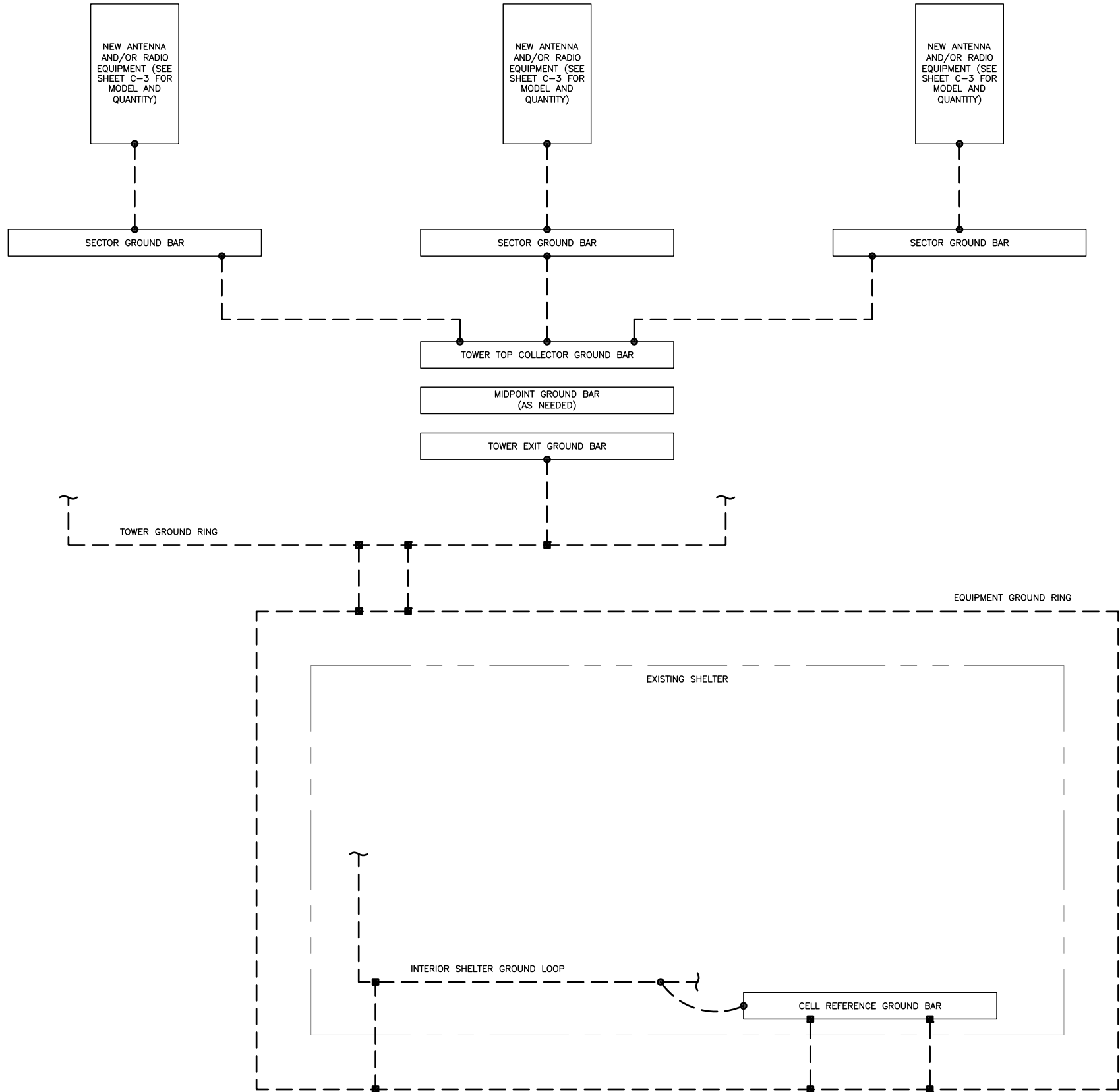
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1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE

GROUNDING PLAN LEGEND:

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

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

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

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

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



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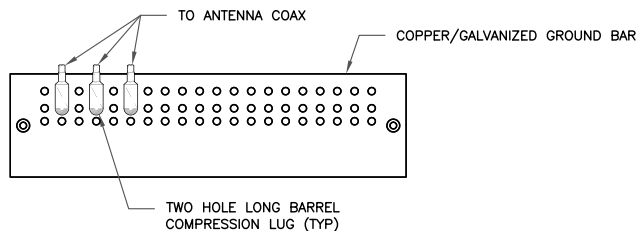


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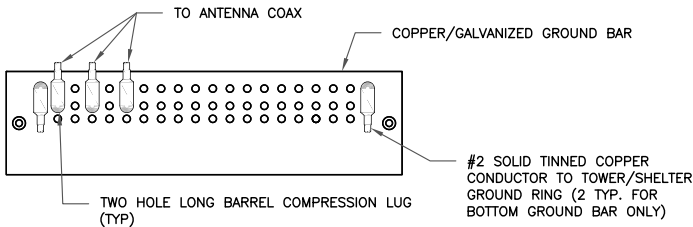
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G-1	1



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

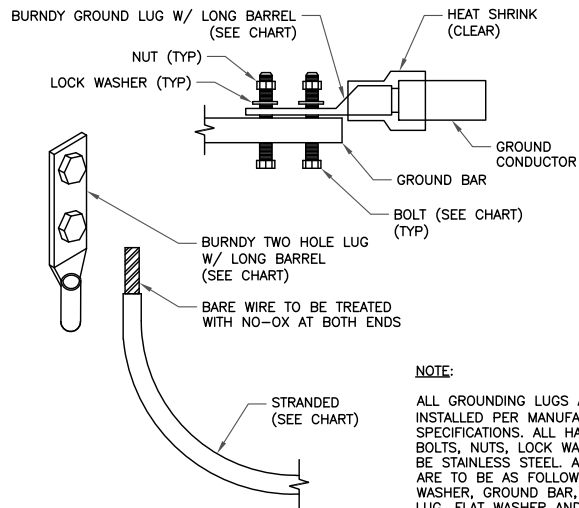


NOTES:

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

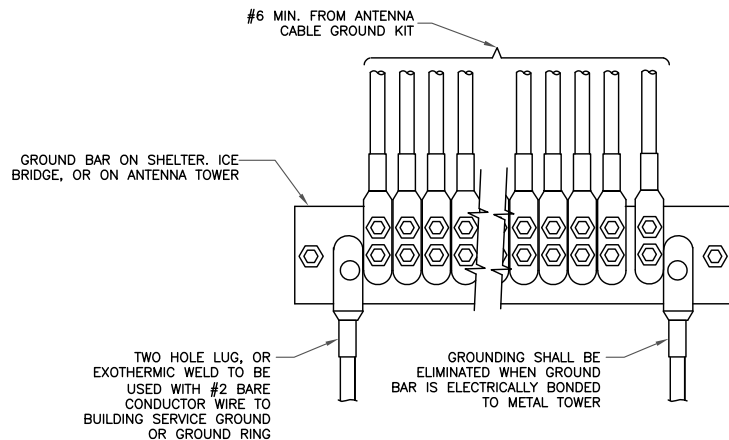
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2TC38	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2TC38	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT



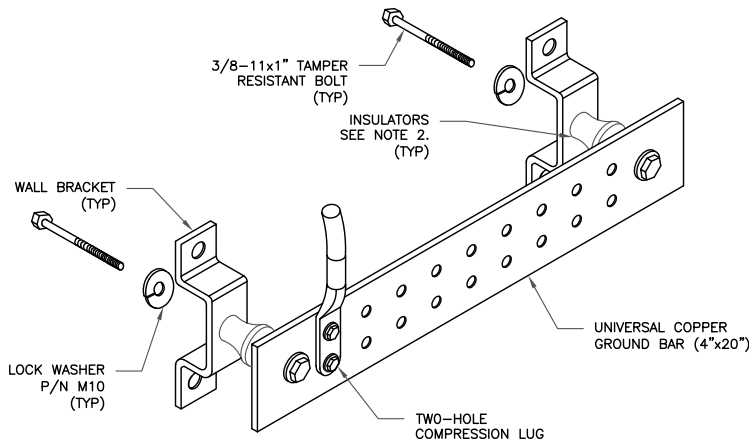
NOTE:

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

3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



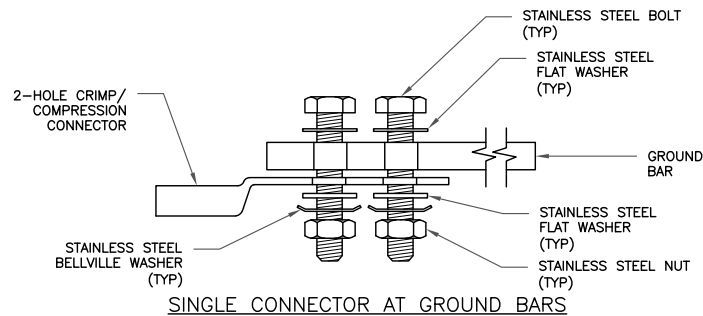
4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



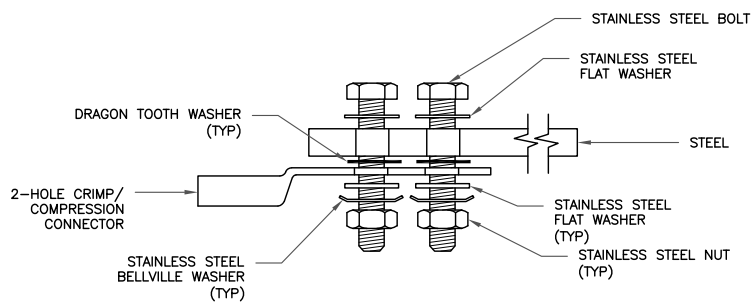
NOTES:

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

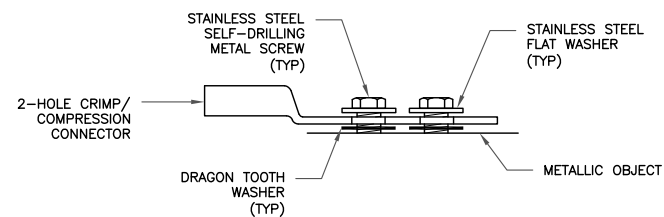
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



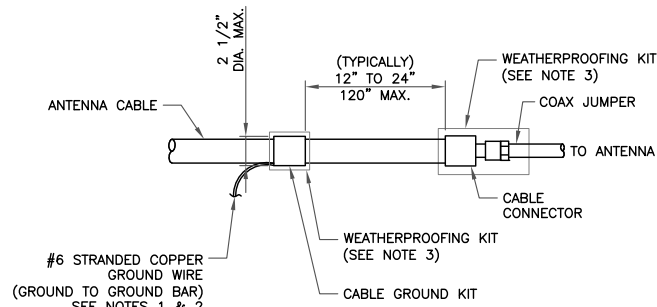
SINGLE CONNECTOR AT GROUND BARS



SINGLE CONNECTOR AT STEEL OBJECTS



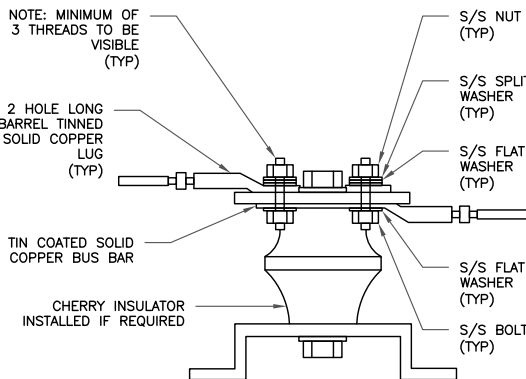
SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS



NOTES:

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

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



AT&T SITE NUMBER:
CTL01029

BU #: 857012
PLAINVILLE SOUTH WASHINGTON ST

335 SOUTH WASHINGTON ST
PLAINVILLE, CT 06062

EXISTING
121'-0" MONOPOLE

ISSUED FOR:

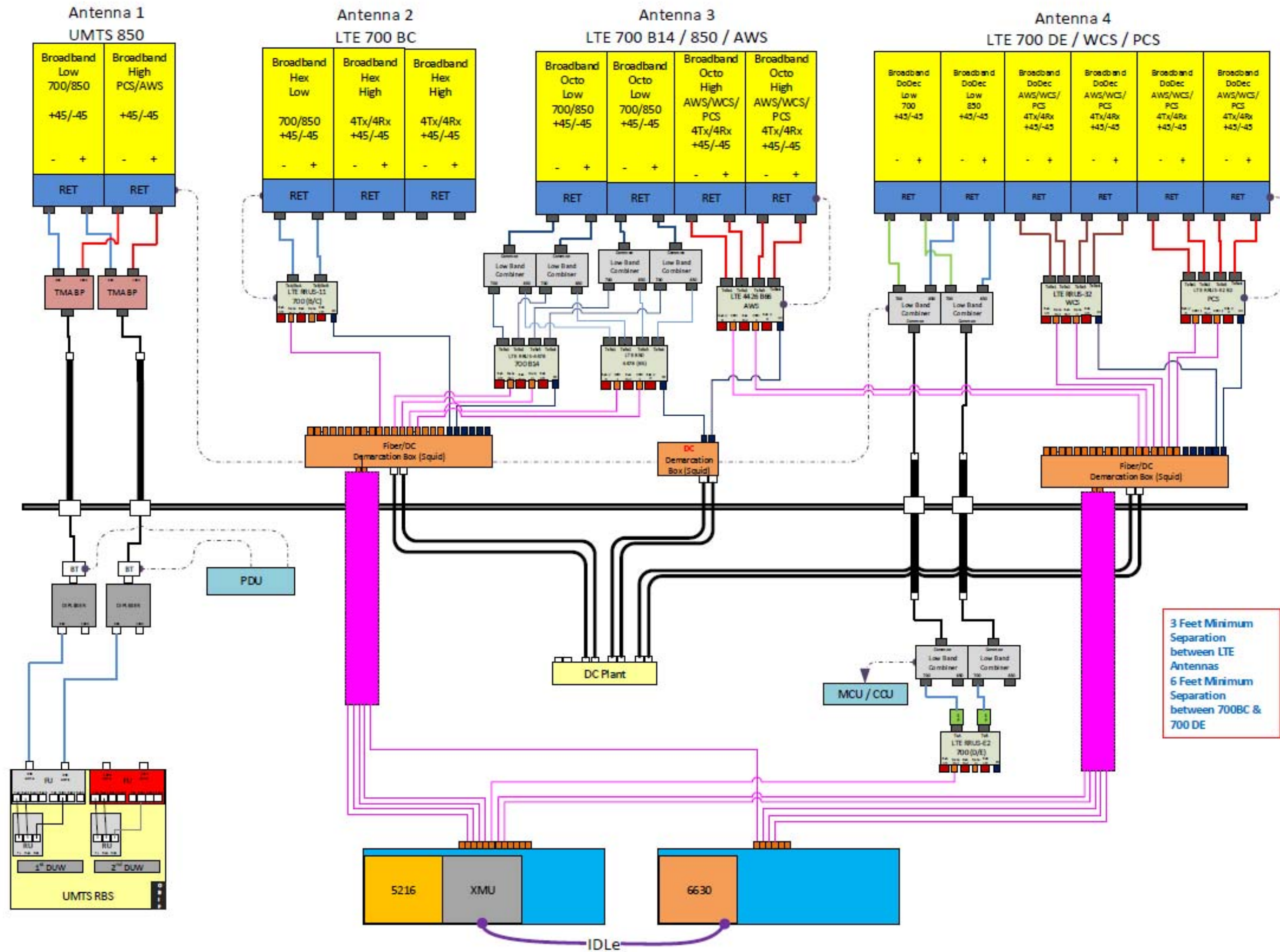
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	7/14/20	STH	CONSTRUCTION	MJP
1	7/28/20	MLC	CONSTRUCTION	GEH

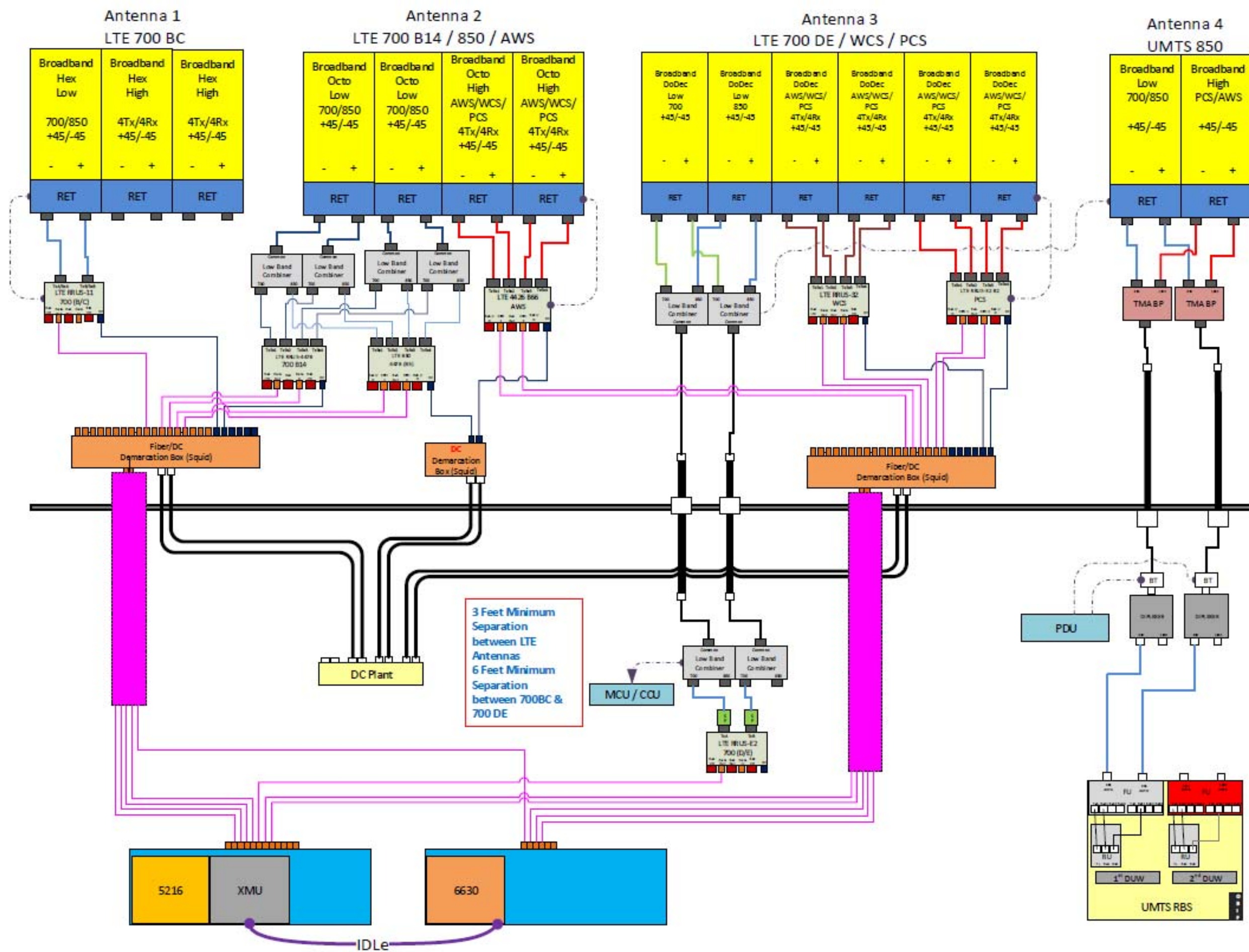


B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/21

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: **G-2** REVISION: **1**





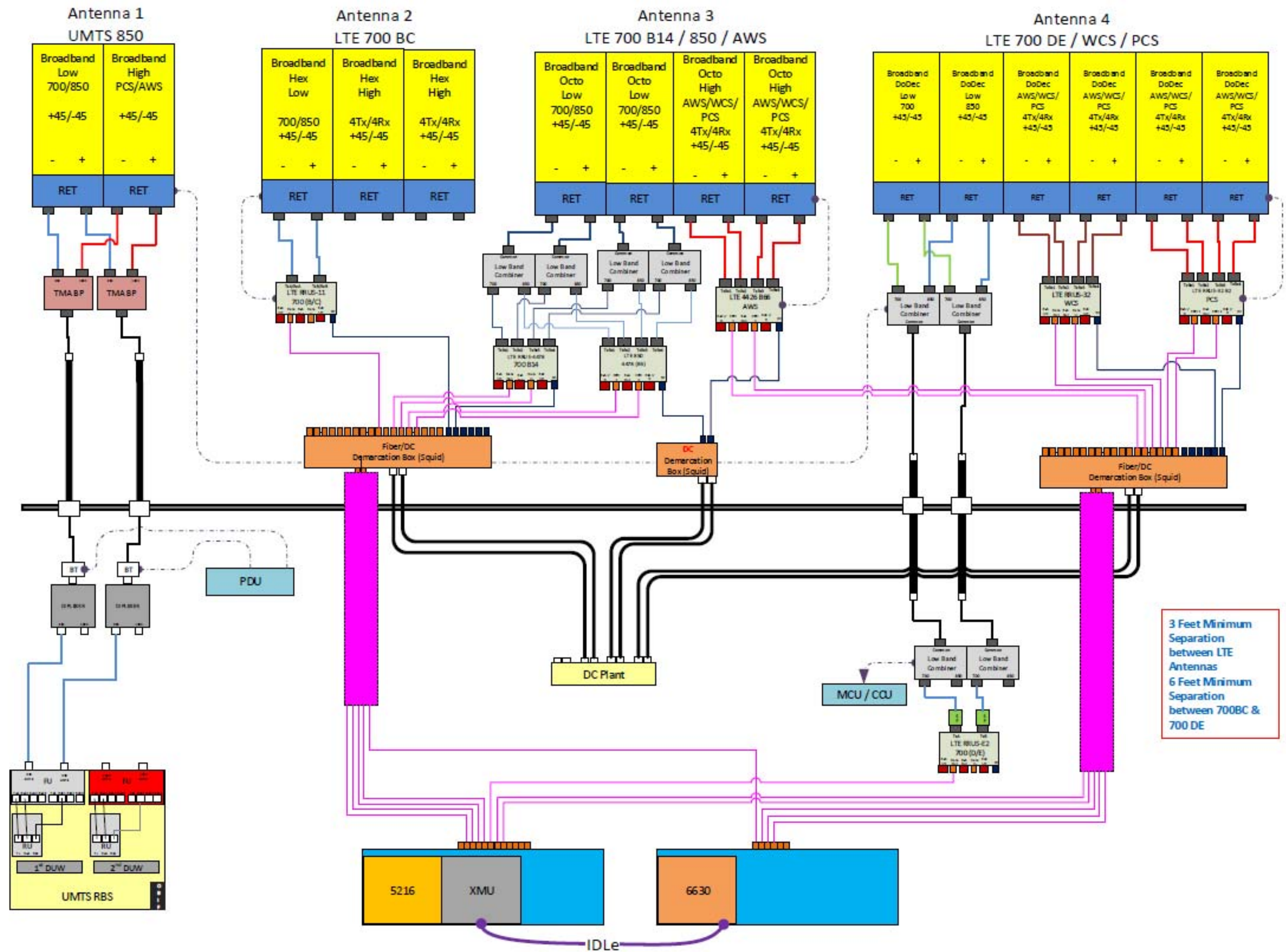


Exhibit D

Structural Analysis Report

Date: **June 04, 2020**

Denice Nicholson
Crown Castle
3 Corporate Drive
Clifton Park, NY 12065



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: 83948
Carrier Site Name: CTL01029

Crown Castle Designation: **Crown Castle BU Number:** 857012
Crown Castle Site Name: PLAINVILLE SOUTH WASHINGTON ST
Crown Castle JDE Job Number: 605399
Crown Castle Work Order Number: 1856345
Crown Castle Order Number: 517107 Rev. 0

Engineering Firm Designation: **Crown Castle Project Number:** 1856345

Site Data: **335 SOUTH WASHINGTON STREET, PLAINVILLE, Hartford County, CT**
Latitude 41° 39' 11.03", Longitude -72° 52' 36.9"
119 Foot - Monopole Tower

Dear Denice Nicholson,

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

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

LC7: Proposed Equipment Configuration

Sufficient Capacity - 95.8%

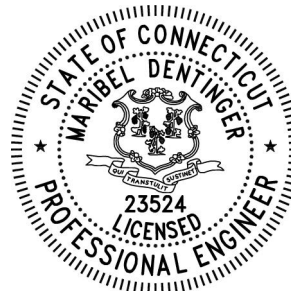
This analysis utilizes an ultimate 3-second gust wind speed of 125 mph as required by the 2018 Connecticut State Building Code. Applicable standard references and design criteria are listed in "Section 2 - Analysis Criteria."

Structural analysis prepared by: Nicholas Cvetcic, E.I.T.

Respectfully submitted by:

Maribel Dentinger

Maribel Dentinger, P.E.
Senior Project Engineer



Jun 4 2020 2:44 PM

TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA

Table 1 - Proposed Equipment Configuration

Table 2 - Other Considered Equipment

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

3.1) Analysis Method

3.2) Assumptions

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Table 5 - Tower Component Stresses vs. Capacity - LC7

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 119 ft monopole tower designed by Engineered Endeavors, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision: TIA-222-H
Risk Category: II
Wind Speed: 125 mph
Exposure Category: C
Topographic Factor: 1
Ice Thickness: 2 in
Wind Speed with Ice: 50 mph
Service Wind Speed: 60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
121.0	122.0	1	raycap	DC6-48-60-18-8F	12 6 2	1-5/8 3/4 3/8
	121.0	3	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe		
		3	ericsson	RRUS 11 B12		
		3	ericsson	RRUS 32 B2		
		3	ericsson	RRUS 32 B30		
		3	ericsson	RRUS 4426 B66		
		3	ericsson	RRUS 4478 B14		
		3	ericsson	RRUS 4478 B5		
		3	kaelus	DBC0061F1V51-2		
		6	kaelus	DBCT108F1V92-1		
		3	kathrein	80010965 w/ Mount Pipe		
		6	powerwave technologies	7020.00		
		6	powerwave technologies	LGP21401		
		3	powerwave technologies	RA21.7770.00 w/ Mount Pipe		
		3	quintel technology	QS66512-2 w/ Mount Pipe		
		2	raycap	DC6-48-60-18-8C		
		1	tower mounts	13.667 ft Platform with Support Rails		

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)
110.0	112.0	3	ericsson	B13 RRH 4X30	19	1-5/8
		3	ericsson	B4 RRH2X60-4R		
		6	andrew	SBNHH-1D65B w/ Mount Pipe		
		2	antel	BXA-171063-8BF-2 w/ Mount Pipe		
		6	antel	LPA-80063-4CF-EDIN-5 w/ Mount Pipe		
		1	kathrein	800 10735V01 w/ Mount Pipe		
		1	rfs celwave	DB-T1-6Z-8AB-0Z		
	110.0	1	tower mounts	Platform Mount [LP 1201-1]		
98.0	100.0	3	andrew	ONEBASE TWIN DUAL DUPLEX TMA	16	1-5/8
		3	ericsson	AIR 21 B2A/B4P w/ Mount Pipe		
		3	ericsson	AIR 3246 B66 w/ Mount Pipe		
		3	ericsson	RADIO 4449 B12/B71		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
	98.0	1	tower mounts	Miscellaneous [NA 510-1]		
		1	tower mounts	Platform Mount [LP 601-1_KCKR]		
86.0	88.0	3	alcatel lucent	PCS 1900MHZ 4X45W-65MHZ	3 6 1	1-5/8 5/16 1/4
		1	andrew	VHLP2.5-18		
		3	argus technologies	LLPX310R-V4 w/ Mount Pipe		
		3	commscope	NNVV-65B-R4 w/ Mount Pipe		
		1	dragonwave	HORIZON DUO		
		3	nokia	AHCC		
		3	samsung telecommunications	URAS-FLEXIBLE		
	86.0	1	tower mounts	Platform Mount [LP 303-1_KCKR-HR-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Remarks	Reference	Source
4-GEOTECHNICAL REPORTS	Tectonic	4566990	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	EEI	4566996	CCISITES
4-TOWER MANUFACTURER DRAWINGS	EEI	5121623	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.

3.2) Assumptions

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

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

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	119 - 95	Pole	TP27.38x21x0.1875	1	-9.1687	955.1661	48.0	Pass
L2	95 - 47.25	Pole	TP39.57x25.9417x0.25	2	-24.6341	1845.8894	95.8	Pass
L3	47.25 - 0	Pole	TP51.5x37.6216x0.3125	3	-39.7908	3118.6469	92.0	Pass
							Summary	
						Pole (L2)	95.8	Pass
						Rating =	95.8	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	56.4	Pass
1	Base Plate	0	71.8	Pass
1	Base Foundation Structure	0	68.5	Pass
1	Base Foundation Soil Interaction	0	36.0	Pass

Structure Rating (max from all components) =	95.8%
---	--------------

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

Tower Input Data

The tower is a monopole.

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

The following design criteria apply:

- 3) Tower is located in Hartford County, Connecticut.
- 4) Tower base elevation above sea level: 181.0000 ft.
- 5) Basic wind speed of 125 mph.
- 6) Risk Category II.
- 7) Exposure Category C.
- 8) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- 9) Topographic Category: 1.
- 10) Crest Height: 0.0000 ft.
- 11) Nominal ice thickness of 2.0000 in.
- 12) Ice thickness is considered to increase with height.
- 13) Ice density of 56.0000 pcf.
- 14) A wind speed of 50 mph is used in combination with ice.
- 15) Temperature drop of 50.0000 °F.
- 16) Deflections calculated using a wind speed of 60 mph.
- 17) A non-linear (P-delta) analysis was used.
- 18) Pressures are calculated at each section.
- 19) Stress ratio used in pole design is 1.05.
- 20) Tower analysis based on target reliabilities in accordance with Annex S.
- 21) Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- 22) Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	119.0000- 95.0000	24.0000	4.0000	18	21.0000	27.3800	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	95.0000- 47.2500	51.7500	5.5000	18	25.9417	39.5700	0.2500	1.0000	A572-65 (65 ksi)
L3	47.2500- 0.0000	52.7500		18	37.6216	51.5000	0.3125	1.2500	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	21.2950	12.3860	677.8263	7.3884	10.6680	63.5383	1356.5444	6.1942	3.3660	17.952
	27.7735	16.1829	1511.7955	9.6533	13.9090	108.6916	3025.5803	8.0930	4.4889	23.941
L2	27.3729	20.3863	1700.0481	9.1205	13.1784	129.0029	3402.3332	10.1951	4.1257	16.503
	40.1419	31.2004	6094.3152	13.9586	20.1016	303.1762	12196.649	15.6032	6.5243	26.097
L3	39.6231	37.0059	6507.8562	13.2447	19.1118	340.5158	13024.275	18.5065	6.0714	19.428
	52.2463	50.7716	16806.843	18.1716	26.1620	642.4143	33635.801	25.3906	8.5140	27.245

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _r	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 119.0000- 95.0000				1	1	1			
L2 95.0000- 47.2500				1	1	1			
L3 47.2500- 0.0000				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 r in	Perimeter r in	Weight plf
LDF7-50A(1-5/8)	B	No	Surface Ar (CaAa)	110.0000 - 0.0000	7	6	-0.200 0.000	1.9800		0.8200
LDF7-50A(1-5/8")	A	No	Surface Ar (CaAa)	98.0000 - 0.0000	3	3	-0.250 -0.125	1.9800		0.8200

**

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	CAAA ft ² /ft	Weight plf
LDF7-50A(1-5/8)	C	No	No	Inside Pole	119.0000 - 0.0000	12	No Ice 1/2" Ice 1" Ice 2" Ice	0.8200 0.8200 0.8200 0.8200
WR-VG86ST- BRD(3/4)	C	No	No	Inside Pole	119.0000 - 0.0000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.5840 0.5840 0.5840 0.5840

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight plf
FB-L98B-034- XXX(3/8)	C	No	No	Inside Pole	119.0000 - 0.0000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.0570 0.0570 0.0570 0.0570
**									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	110.0000 - 0.0000	12	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.8200 0.8200 0.8200 0.8200
**									
MLE Hybrid 9Power/18Fiber RL 2(1-5/8")	C	No	No	Inside Pole	98.0000 - 0.0000	13	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	1.0700 1.0700 1.0700 1.0700
**									
HB158-21U6M48- 30F(1-5/8)	C	No	No	Inside Pole	86.0000 - 0.0000	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	2.3900 2.3900 2.3900 2.3900
9207(5/16)	C	No	No	Inside Pole	86.0000 - 0.0000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.6000 0.6000 0.6000 0.6000
CAT5E(1/4)	C	No	No	Inside Pole	86.0000 - 0.0000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.0410 0.0410 0.0410 0.0410
**									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	119.0000- 95.0000	A	0.000	0.000	1.782	0.000	0.0074
		B	0.000	0.000	17.820	0.000	0.0861
		C	0.000	0.000	0.000	0.000	0.5123
L2	95.0000-47.2500	A	0.000	0.000	28.363	0.000	0.1175
		B	0.000	0.000	56.727	0.000	0.2741
		C	0.000	0.000	0.000	0.000	2.1956
L3	47.2500-0.0000	A	0.000	0.000	28.067	0.000	0.1162
		B	0.000	0.000	56.133	0.000	0.2712
		C	0.000	0.000	0.000	0.000	2.2689

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	119.0000- 95.0000	A	1.911	0.000	0.000	3.661	0.000	0.0543
		B		0.000	0.000	29.442	0.000	0.5065
		C		0.000	0.000	0.000	0.000	0.5123
L2	95.0000-47.2500	A	1.833	0.000	0.000	58.270	0.000	0.8637
		B		0.000	0.000	93.724	0.000	1.6123
		C		0.000	0.000	0.000	0.000	2.1956
L3	47.2500-0.0000	A	1.644	0.000	0.000	56.734	0.000	0.8173
		B		0.000	0.000	91.817	0.000	1.5368
		C		0.000	0.000	0.000	0.000	2.2689

Feed Line Center of Pressure

Section	Elevation	CP _x	CP _z	CP _x Ice	CP _z Ice
	ft	in	in	in	in
L1	119.0000-95.0000	3.0445	-3.2177	2.3507	-2.5915
L2	95.0000-47.2500	1.5790	-4.2157	0.6948	-3.2490
L3	47.2500-0.0000	1.7089	-4.6773	0.7802	-3.7538

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	LDF7-50A(1-5/8)	95.00 - 110.00	1.0000	1.0000
L1	9	LDF7-50A(1-5/8")	95.00 - 98.00	1.0000	1.0000
L2	6	LDF7-50A(1-5/8)	47.25 - 95.00	1.0000	1.0000
L2	9	LDF7-50A(1-5/8")	47.25 - 95.00	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
RA21.7770.00 w/ Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.1400 4.5700 5.0100 5.9300	2.4600 2.8700 3.2900 4.1500	0.0629 0.1110 0.1687 0.3141
RA21.7770.00 w/ Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.1400 4.5700 5.0100 5.9300	2.4600 2.8700 3.2900 4.1500	0.0629 0.1110 0.1687 0.3141
RA21.7770.00 w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.1400 4.5700 5.0100 5.9300	2.4600 2.8700 3.2900 4.1500	0.0629 0.1110 0.1687 0.3141
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice 1" Ice 2" Ice	9.2200 9.9800 10.7600 12.3600	6.2500 6.9600 7.7000 9.2200	0.0736 0.1434 0.2242 0.4201
HPA-65R-BUU-H6 w/	B	From Leg	4.0000	0.0000	121.0000	No Ice	9.2200	6.2500	0.0736

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
Mount Pipe			0.0000 0.0000			1/2" Ice	9.9800 10.7600	6.9600 7.7000	0.1434 0.2242
						1" Ice	12.3600	9.2200	0.4201
						2" Ice			
HPA-65R-BUU-H6 w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	9.2200	6.2500	0.0736
						1/2"	9.9800	6.9600	0.1434
						Ice	10.7600	7.7000	0.2242
						1" Ice	12.3600	9.2200	0.4201
						2" Ice			
80010965 w/ Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	12.2600	5.7900	0.1362
						1/2"	13.0300	6.4700	0.2262
						Ice	13.8000	7.1700	0.3282
						1" Ice	15.4100	8.6000	0.5697
						2" Ice			
80010965 w/ Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	12.2600	5.7900	0.1362
						1/2"	13.0300	6.4700	0.2262
						Ice	13.8000	7.1700	0.3282
						1" Ice	15.4100	8.6000	0.5697
						2" Ice			
80010965 w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	12.2600	5.7900	0.1362
						1/2"	13.0300	6.4700	0.2262
						Ice	13.8000	7.1700	0.3282
						1" Ice	15.4100	8.6000	0.5697
						2" Ice			
QS66512-2 w/ Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	4.0400	4.1800	0.1366
						1/2"	4.4200	4.5700	0.2062
						Ice	4.8200	4.9700	0.2868
						1" Ice	5.6300	5.7900	0.4821
						2" Ice			
QS66512-2 w/ Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	4.0400	4.1800	0.1366
						1/2"	4.4200	4.5700	0.2062
						Ice	4.8200	4.9700	0.2868
						1" Ice	5.6300	5.7900	0.4821
						2" Ice			
QS66512-2 w/ Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	4.0400	4.1800	0.1366
						1/2"	4.4200	4.5700	0.2062
						Ice	4.8200	4.9700	0.2868
						1" Ice	5.6300	5.7900	0.4821
						2" Ice			
RRUS 11 B12	A	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	2.8333	1.1821	0.0507
						1/2"	3.0426	1.3299	0.0716
						Ice	3.2593	1.4848	0.0955
						1" Ice	3.7148	1.8259	0.1532
						2" Ice			
RRUS 11 B12	B	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	2.8333	1.1821	0.0507
						1/2"	3.0426	1.3299	0.0716
						Ice	3.2593	1.4848	0.0955
						1" Ice	3.7148	1.8259	0.1532
						2" Ice			
RRUS 11 B12	C	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	2.8333	1.1821	0.0507
						1/2"	3.0426	1.3299	0.0716
						Ice	3.2593	1.4848	0.0955
						1" Ice	3.7148	1.8259	0.1532
						2" Ice			
RRUS 32 B2	A	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	2.7313	1.6681	0.0529
						1/2"	2.9531	1.8552	0.0740
						Ice	3.1823	2.0493	0.0982
						1" Ice	3.6628	2.4585	0.1571
						2" Ice			
RRUS 32 B2	B	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice	2.7313	1.6681	0.0529
						1/2"	2.9531	1.8552	0.0740
						Ice	3.1823	2.0493	0.0982
						1" Ice	3.6628	2.4585	0.1571
						2" Ice			
RRUS 32 B2	C	From Leg	4.0000	0.0000	121.0000	No Ice	2.7313	1.6681	0.0529

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			0.0000			1/2"	2.9531	1.8552	0.0740
			0.0000			Ice	3.1823	2.0493	0.0982
						1" Ice	3.6628	2.4585	0.1571
						2" Ice			
RRUS 32 B30	A	From Leg	4.0000	0.0000	121.0000	No Ice	2.6923	1.5727	0.0600
			0.0000			1/2"	2.9115	1.7556	0.0804
			0.0000			Ice	3.1382	1.9455	0.1039
						1" Ice	3.6137	2.3462	0.1612
						2" Ice			
RRUS 32 B30	B	From Leg	4.0000	0.0000	121.0000	No Ice	2.6923	1.5727	0.0600
			0.0000			1/2"	2.9115	1.7556	0.0804
			0.0000			Ice	3.1382	1.9455	0.1039
						1" Ice	3.6137	2.3462	0.1612
						2" Ice			
RRUS 32 B30	C	From Leg	4.0000	0.0000	121.0000	No Ice	2.6923	1.5727	0.0600
			0.0000			1/2"	2.9115	1.7556	0.0804
			0.0000			Ice	3.1382	1.9455	0.1039
						1" Ice	3.6137	2.3462	0.1612
						2" Ice			
RRUS 4426 B66	A	From Leg	4.0000	0.0000	121.0000	No Ice	1.6444	0.7252	0.0484
			0.0000			1/2"	1.8044	0.8421	0.0612
			0.0000			Ice	1.9719	0.9685	0.0764
						1" Ice	2.3292	1.2437	0.1148
						2" Ice			
RRUS 4426 B66	B	From Leg	4.0000	0.0000	121.0000	No Ice	1.6444	0.7252	0.0484
			0.0000			1/2"	1.8044	0.8421	0.0612
			0.0000			Ice	1.9719	0.9685	0.0764
						1" Ice	2.3292	1.2437	0.1148
						2" Ice			
RRUS 4426 B66	C	From Leg	4.0000	0.0000	121.0000	No Ice	1.6444	0.7252	0.0484
			0.0000			1/2"	1.8044	0.8421	0.0612
			0.0000			Ice	1.9719	0.9685	0.0764
						1" Ice	2.3292	1.2437	0.1148
						2" Ice			
RRUS 4478 B14	A	From Leg	4.0000	0.0000	121.0000	No Ice	1.8425	1.0588	0.0599
			0.0000			1/2"	2.0123	1.1969	0.0758
			0.0000			Ice	2.1895	1.3425	0.0943
						1" Ice	2.5662	1.6558	0.1400
						2" Ice			
RRUS 4478 B14	B	From Leg	4.0000	0.0000	121.0000	No Ice	1.8425	1.0588	0.0599
			0.0000			1/2"	2.0123	1.1969	0.0758
			0.0000			Ice	2.1895	1.3425	0.0943
						1" Ice	2.5662	1.6558	0.1400
						2" Ice			
RRUS 4478 B14	C	From Leg	4.0000	0.0000	121.0000	No Ice	1.8425	1.0588	0.0599
			0.0000			1/2"	2.0123	1.1969	0.0758
			0.0000			Ice	2.1895	1.3425	0.0943
						1" Ice	2.5662	1.6558	0.1400
						2" Ice			
RRUS 4478 B5	A	From Leg	4.0000	0.0000	121.0000	No Ice	1.8425	1.0588	0.0599
			0.0000			1/2"	2.0123	1.1969	0.0758
			0.0000			Ice	2.1895	1.3425	0.0943
						1" Ice	2.5662	1.6558	0.1400
						2" Ice			
RRUS 4478 B5	B	From Leg	4.0000	0.0000	121.0000	No Ice	1.8425	1.0588	0.0599
			0.0000			1/2"	2.0123	1.1969	0.0758
			0.0000			Ice	2.1895	1.3425	0.0943
						1" Ice	2.5662	1.6558	0.1400
						2" Ice			
RRUS 4478 B5	C	From Leg	4.0000	0.0000	121.0000	No Ice	1.8425	1.0588	0.0599
			0.0000			1/2"	2.0123	1.1969	0.0758
			0.0000			Ice	2.1895	1.3425	0.0943
						1" Ice	2.5662	1.6558	0.1400
						2" Ice			
DBC0061F1V51-2	A	From Leg	4.0000	0.0000	121.0000	No Ice	0.4133	0.4333	0.0254

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			0.0000 0.0000			1/2" Ice	0.4959 0.5859	0.5176 0.6093	0.0307 0.0375
						1" Ice 2" Ice	0.7881	0.8148	0.0566
DBC0061F1V51-2	B	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	0.4133 0.4959 0.5859	0.4333 0.5176 0.6093	0.0254 0.0307 0.0375
						1" Ice 2" Ice	0.7881	0.8148	0.0566
DBC0061F1V51-2	C	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	0.4133 0.4959 0.5859	0.4333 0.5176 0.6093	0.0254 0.0307 0.0375
						1" Ice 2" Ice	0.7881	0.8148	0.0566
(2) DBCT108F1V92-1	A	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	0.3205 0.4001 0.4871	0.6372 0.7401 0.8504	0.0287 0.0339 0.0407
						1" Ice 2" Ice	0.6896	1.0932	0.0599
(2) DBCT108F1V92-1	B	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	0.3205 0.4001 0.4871	0.6372 0.7401 0.8504	0.0287 0.0339 0.0407
						1" Ice 2" Ice	0.6896	1.0932	0.0599
(2) DBCT108F1V92-1	C	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	0.3205 0.4001 0.4871	0.6372 0.7401 0.8504	0.0287 0.0339 0.0407
						1" Ice 2" Ice	0.6896	1.0932	0.0599
(2) 7020.00	A	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	0.1021 0.1469 0.1991	0.1750 0.2393 0.3109	0.0022 0.0052 0.0093
						1" Ice 2" Ice	0.3258	0.4765	0.0221
(2) 7020.00	B	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	0.1021 0.1469 0.1991	0.1750 0.2393 0.3109	0.0022 0.0052 0.0093
						1" Ice 2" Ice	0.3258	0.4765	0.0221
(2) 7020.00	C	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	0.1021 0.1469 0.1991	0.1750 0.2393 0.3109	0.0022 0.0052 0.0093
						1" Ice 2" Ice	0.3258	0.4765	0.0221
(2) LGP21401	A	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	1.1040 1.2388 1.3810	0.2070 0.2738 0.3475	0.0141 0.0213 0.0303
						1" Ice 2" Ice	1.6877	0.5208	0.0549
(2) LGP21401	B	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	1.1040 1.2388 1.3810	0.2070 0.2738 0.3475	0.0141 0.0213 0.0303
						1" Ice 2" Ice	1.6877	0.5208	0.0549
(2) LGP21401	C	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	1.1040 1.2388 1.3810	0.2070 0.2738 0.3475	0.0141 0.0213 0.0303
						1" Ice 2" Ice	1.6877	0.5208	0.0549
DC6-48-60-18-8C	A	From Leg	4.0000 0.0000 0.0000	0.0000	121.0000	No Ice 1/2" Ice	1.1450 1.7924 2.0024	1.1450 1.7924 2.0024	0.0262 0.0466 0.0698
						1" Ice 2" Ice	2.4512	2.4512	0.1251
DC6-48-60-18-8C	B	From Leg	4.0000	0.0000	121.0000	No Ice	1.1450	1.1450	0.0262

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
			0.0000 0.0000			1/2" Ice	1.7924 2.0024	1.7924 2.0024	0.0466 0.0698
						1" Ice 2" Ice	2.4512 2.4512	2.4512 2.4512	0.1251 0.1251
DC6-48-60-18-8F	C	From Leg	4.0000 0.0000 1.0000	0.0000	121.0000	No Ice 1/2" Ice	1.2117 1.8924 2.1051	1.2117 1.8924 2.1051	0.0200 0.0420 0.0668
						1" Ice 2" Ice	2.5703 2.5703	2.5703 2.5703	0.1256 0.1256
Platform Mount [LP 601-1_KCKR]	C	None		0.0000	121.0000	No Ice 1/2" Ice	39.7300 45.9100 52.2600	39.7300 45.9100 52.2600	1.3970 2.0924 2.8798
						1" Ice 2" Ice	65.4800 65.4800	65.4800 65.4800	4.7377 4.7377
Miscellaneous [NA 507-1]	C	None		0.0000	121.0000	No Ice 1/2" Ice	4.5600 6.3900 8.1800	4.5600 6.3900 8.1800	0.2450 0.3114 0.4019
						1" Ice 2" Ice	11.6600 11.6600	11.6600 11.6600	0.6570 0.6570
**									
(2) LPA-80063-4CF-EDIN-5 w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice	6.3790 6.7781 7.1861	6.5644 7.1921 7.8358	0.0380 0.1036 0.1758
						1" Ice 2" Ice	8.0285 8.0285	9.1719 9.1719	0.3426 0.3426
(2) LPA-80063-4CF-EDIN-5 w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice	6.3790 6.7781 7.1861	6.5644 7.1921 7.8358	0.0380 0.1036 0.1758
						1" Ice 2" Ice	8.0285 8.0285	9.1719 9.1719	0.3426 0.3426
(2) LPA-80063-4CF-EDIN-5 w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice	6.3790 6.7781 7.1861	6.5644 7.1921 7.8358	0.0380 0.1036 0.1758
						1" Ice 2" Ice	8.0285 8.0285	9.1719 9.1719	0.3426 0.3426
(2) SBNHH-1D65B w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice	4.0900 4.4900 4.8900	3.3000 3.6800 4.0700	0.0665 0.1297 0.2037
						1" Ice 2" Ice	5.7200 5.7200	4.8700 4.8700	0.3859 0.3859
(2) SBNHH-1D65B w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice	4.0900 4.4900 4.8900	3.3000 3.6800 4.0700	0.0665 0.1297 0.2037
						1" Ice 2" Ice	5.7200 5.7200	4.8700 4.8700	0.3859 0.3859
(2) SBNHH-1D65B w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice	4.0900 4.4900 4.8900	3.3000 3.6800 4.0700	0.0665 0.1297 0.2037
						1" Ice 2" Ice	5.7200 5.7200	4.8700 4.8700	0.3859 0.3859
800 10735V01 w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice	8.8727 9.4550 10.0100	5.4888 6.7103 7.6880	0.0580 0.1206 0.1915
						1" Ice 2" Ice	11.1272 11.1272	9.5633 9.5633	0.3615 0.3615
BXA-171063-8BF-2 w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice	3.1789 3.5550 3.9298	3.3530 3.9709 4.5951	0.0290 0.0611 0.0987
						1" Ice 2" Ice	4.6923 4.6923	5.8933 5.8933	0.1934 0.1934
BXA-171063-8BF-2 w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice	3.1789 3.5550 3.9298	3.3530 3.9709 4.5951	0.0290 0.0611 0.0987
						1" Ice 2" Ice	4.6923 4.6923	5.8933 5.8933	0.1934 0.1934

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
B4 RRH2X60-4R	A	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	2.0048 2.2369 2.4759 2.9750	0.0550 0.0782 0.1049 0.1702
B4 RRH2X60-4R	B	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	2.0048 2.2369 2.4759 2.9750	0.0550 0.0782 0.1049 0.1702
B4 RRH2X60-4R	C	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	2.0048 2.2369 2.4759 2.9750	0.0550 0.0782 0.1049 0.1702
B13 RRH 4X30	A	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	1.3201 1.4754 1.6377 1.9966	0.0560 0.0729 0.0930 0.1423
B13 RRH 4X30	B	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	1.3201 1.4754 1.6377 1.9966	0.0560 0.0729 0.0930 0.1423
B13 RRH 4X30	C	From Leg	4.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	1.3201 1.4754 1.6377 1.9966	0.0560 0.0729 0.0930 0.1423
DB-T1-6Z-8AB-0Z	A	From Leg	1.0000 0.0000 2.0000	0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.8000 5.0704 5.3481 5.9259	2.0000 2.1926 2.3926 2.8148	0.0440 0.0801 0.1202 0.2130
Platform Mount [LP 1201-1]	C	None		0.0000	110.0000	No Ice 1/2" Ice 1" Ice 2" Ice	18.3800 22.1100 25.8700 33.4700	18.3800 22.1100 25.8700 33.4700	2.1000 2.6519 3.2630 4.6624
**									
AIR 21 B2A/B4P w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.1619 6.6000 7.0327 7.9240	5.5453 6.3031 6.9984 8.4376	0.1030 0.1592 0.2216 0.3696
AIR 21 B2A/B4P w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.1619 6.6000 7.0327 7.9240	5.5453 6.3031 6.9984 8.4376	0.1030 0.1592 0.2216 0.3696
AIR 21 B2A/B4P w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	No Ice 1/2" Ice 1" Ice 2" Ice	6.1619 6.6000 7.0327 7.9240	5.5453 6.3031 6.9984 8.4376	0.1030 0.1592 0.2216 0.3696
AIR 3246 B66 w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	No Ice 1/2" Ice 1" Ice 2" Ice	8.1769 8.6563 9.1243 10.0861	6.5590 7.3933 8.1279 9.6458	0.2010 0.2716 0.3490 0.5289
AIR 3246 B66 w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	No Ice 1/2" Ice 1" Ice	8.1769 8.6563 9.1243 10.0861	6.5590 7.3933 8.1279 9.6458	0.2010 0.2716 0.3490 0.5289

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
AIR 3246 B66 w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	8.1769 8.6563 9.1243 10.0861	6.5590 7.3933 8.1279 9.6458	0.2010 0.2716 0.3490 0.5289
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	14.6900 15.4600 16.2300 17.8200	6.8700 7.5500 8.2500 9.6700	0.1862 0.3147 0.4577 0.7882
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	14.6900 15.4600 16.2300 17.8200	6.8700 7.5500 8.2500 9.6700	0.1862 0.3147 0.4577 0.7882
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	14.6900 15.4600 16.2300 17.8200	6.8700 7.5500 8.2500 9.6700	0.1862 0.3147 0.4577 0.7882
ONEBASE TWIN DUAL DUPLEX TMA	A	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	0.5775 0.6740 0.7779 1.0079	0.2632 0.3356 0.4162 0.5995	0.0110 0.0158 0.0222 0.0401
(2) ONEBASE TWIN DUAL DUPLEX TMA	B	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	0.5775 0.6740 0.7779 1.0079	0.2632 0.3356 0.4162 0.5995	0.0110 0.0158 0.0222 0.0401
(2) RADIO 4449 B12/B71	A	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.6500 1.8104 1.9781 2.3359	1.1625 1.3012 1.4473 1.7618	0.0740 0.0902 0.1090 0.1552
RADIO 4449 B12/B71	B	From Leg	4.0000 0.0000 2.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.6500 1.8104 1.9781 2.3359	1.1625 1.3012 1.4473 1.7618	0.0740 0.0902 0.1090 0.1552
Platform Mount [LP 601- 1_KCKR]	C	None		0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	39.7300 45.9100 52.2600 65.4800	39.7300 45.9100 52.2600 65.4800	1.3970 2.0924 2.8798 4.7377
Miscellaneous [NA 510-1]	C	None		0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	6.3600 8.5200 10.6200 14.6400	6.3600 8.5200 10.6200 14.6400	0.2557 0.3438 0.4587 0.7690
6' x 2" Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.0220 0.0328 0.0477 0.0903
6' x 2" Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.0220 0.0328 0.0477 0.0903
6' x 2" Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	98.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.4250 1.9250 2.2939 3.0596	1.4250 1.9250 2.2939 3.0596	0.0220 0.0328 0.0477 0.0903

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K
						2" Ice			
** LLPX310R-V4 w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8800 4.2900 4.7200 5.6100	2.3600 2.7300 3.1200 3.9400	0.0573 0.0913 0.1325 0.2376
LLPX310R-V4 w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8800 4.2900 4.7200 5.6100	2.3600 2.7300 3.1200 3.9400	0.0573 0.0913 0.1325 0.2376
LLPX310R-V4 w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	3.8800 4.2900 4.7200 5.6100	2.3600 2.7300 3.1200 3.9400	0.0573 0.0913 0.1325 0.2376
NNVV-65B-R4 w/ Mount Pipe	A	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	7.5500 8.0400 8.5300 9.5600	4.2300 4.6700 5.1200 6.0500	0.1102 0.1975 0.2961 0.5290
NNVV-65B-R4 w/ Mount Pipe	B	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	7.5500 8.0400 8.5300 9.5600	4.2300 4.6700 5.1200 6.0500	0.1102 0.1975 0.2961 0.5290
NNVV-65B-R4 w/ Mount Pipe	C	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	7.5500 8.0400 8.5300 9.5600	4.2300 4.6700 5.1200 6.0500	0.1102 0.1975 0.2961 0.5290
URAS-FLEXIBLE	A	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.5467 1.7037 1.8681 2.2193	0.6840 0.7999 0.9228 1.1926	0.0330 0.0446 0.0585 0.0939
URAS-FLEXIBLE	B	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.5467 1.7037 1.8681 2.2193	0.6840 0.7999 0.9228 1.1926	0.0330 0.0446 0.0585 0.0939
URAS-FLEXIBLE	C	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.5467 1.7037 1.8681 2.2193	0.6840 0.7999 0.9228 1.1926	0.0330 0.0446 0.0585 0.0939
HORIZON DUO	C	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	0.4688 0.5558 0.6502 0.8613	0.2938 0.3652 0.4441 0.6241	0.0070 0.0118 0.0180 0.0357
AHCC	A	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6283 1.7900 1.9591 2.3196	1.1388 1.2811 1.4309 1.7525	0.0450 0.0602 0.0778 0.1215
(2) AHCC	C	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice 1" Ice 2" Ice	1.6283 1.7900 1.9591 2.3196	1.1388 1.2811 1.4309 1.7525	0.0450 0.0602 0.0778 0.1215
PCS 1900MHZ 4X45W- 65MHZ	A	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	No Ice 1/2" Ice	2.3218 2.5266 2.7388	2.2381 2.4407 2.6507	0.0600 0.0831 0.1095

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
PCS 1900MHZ 4X45W-65MHZ	B	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	1" Ice	3.1855	3.0929	0.1727
						2" Ice			
						No Ice	2.3218	2.2381	0.0600
						1/2" Ice	2.5266	2.4407	0.0831
						Ice	2.7388	2.6507	0.1095
PCS 1900MHZ 4X45W-65MHZ	C	From Leg	4.0000 0.0000 2.0000	0.0000	86.0000	1" Ice	3.1855	3.0929	0.1727
						2" Ice			
						No Ice	2.3218	2.2381	0.0600
						1/2" Ice	2.5266	2.4407	0.0831
						Ice	2.7388	2.6507	0.1095
Platform Mount [LP 303-1_KCKR-HR-1]	C	None		0.0000	86.0000	1" Ice	3.1855	3.0929	0.1727
						2" Ice			
						No Ice	28.3100	28.3100	1.7700
						1/2" Ice	35.6900	35.6900	2.2974
						Ice	43.1100	43.1100	2.9434
6' x 2" Mount Pipe	A	From Leg	4.0000 0.0000 0.0000	0.0000	86.0000	1" Ice	58.2100	58.2100	4.6027
						2" Ice			
						No Ice	1.4250	1.4250	0.0220
						1/2" Ice	1.9250	1.9250	0.0328
						Ice	2.2939	2.2939	0.0477
6' x 2" Mount Pipe	B	From Leg	4.0000 0.0000 0.0000	0.0000	86.0000	1" Ice	3.0596	3.0596	0.0903
						2" Ice			
						No Ice	1.4250	1.4250	0.0220
						1/2" Ice	1.9250	1.9250	0.0328
						Ice	2.2939	2.2939	0.0477
6' x 2" Mount Pipe	C	From Leg	4.0000 0.0000 0.0000	0.0000	86.0000	1" Ice	3.0596	3.0596	0.0903
						2" Ice			
						No Ice	1.4250	1.4250	0.0220
						1/2" Ice	1.9250	1.9250	0.0328
						Ice	2.2939	2.2939	0.0477
						1" Ice	3.0596	3.0596	0.0903
						2" Ice			
**									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft	Aperture Area ft²	Weight K
VHLP2.5-18	A	Paraboloid w/Shroud (HP)	From Leg	1.0000	0.0000		86.0000	2.5000	No Ice	6.6800
				0.0000					1/2" Ice	7.0600
				2.0000					1" Ice	7.4600
									2" Ice	8.2900
										0.0970
**										

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

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

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	119 - 95	Pole	Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-29.7953	-0.4911	1.7957
			Max. Mx	8	-9.2213	-267.2286	0.3613
			Max. My	2	-9.1687	-0.1180	271.0531
			Max. Vy	8	15.0739	-267.2286	0.3613
			Max. Vx	2	-15.3486	-0.1180	271.0531
			Max. Torque	9			0.5722
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-63.7968	-1.5792	5.7226
L2	95 - 47.25	Pole	Max. Mx	8	-24.6792	-	2.6258
						1454.3455	
			Max. My	2	-24.6341	-0.1340	1477.8156
			Max. Vy	8	28.5200	-	2.6258
						1454.3455	
			Max. Vx	14	29.0332	-0.6164	-
							1477.6929

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L3	47.25 - 0	Pole	Max. Torque	9			1.4517
			Max Tension	1	0.0000	0.0000	0.0000
			Max. Compression	26	-85.1500	-3.1627	8.5915
			Max. Mx	8	-39.7922	-	5.0963
						3073.0527	
			Max. My	14	-39.7911	-0.9939	-
							3122.1402
			Max. Vy	8	32.6430	-	5.0963
						3073.0527	
			Max. Vx	14	33.1364	-0.9939	-
							3122.1402
			Max. Torque	9			1.4142

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	27	85.1500	0.0002	8.5595
	Max. H _x	20	39.8294	32.5976	0.0354
	Max. H _z	2	39.8294	-0.0001	33.0104
	Max. M _x	2	3119.0431	-0.0001	33.0104
	Max. M _z	8	3073.0527	-32.5976	0.0356
	Max. Torsion	9	1.4109	-32.5976	0.0356
	Min. Vert	7	29.8721	-28.1967	16.5712
	Min. H _x	8	39.8294	-32.5976	0.0356
	Min. H _z	14	39.8294	0.0001	-33.0903
	Min. M _x	14	-3122.1402	0.0001	-33.0903
	Min. M _z	20	-3071.5531	32.5976	0.0354
	Min. Torsion	21	-1.4062	32.5976	0.0354

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	33.1912	0.0000	0.0000	-1.6766	-0.6063	-0.0000
1.2 Dead+1.0 Wind 0 deg - No Ice	39.8294	0.0001	-33.0104	-3119.0431	-0.5167	-0.1761
0.9 Dead+1.0 Wind 0 deg - No Ice	29.8721	0.0001	-33.0104	-3082.7867	-0.3252	-0.1732
1.2 Dead+1.0 Wind 30 deg - No Ice	39.8294	16.2545	-28.6130	-2703.6882	-1532.5716	-0.7471
0.9 Dead+1.0 Wind 30 deg - No Ice	29.8721	16.2545	-28.6130	-2672.1815	-1514.8230	-0.7470
1.2 Dead+1.0 Wind 60 deg - No Ice	39.8294	28.1967	-16.5712	-1566.4675	-2658.2056	-1.2264
0.9 Dead+1.0 Wind 60 deg - No Ice	29.8721	28.1967	-16.5712	-1547.9989	-2627.5592	-1.2287
1.2 Dead+1.0 Wind 90 deg - No Ice	39.8294	32.5976	-0.0356	-5.0958	-3073.0527	-1.4069
0.9 Dead+1.0 Wind 90 deg - No Ice	29.8721	32.5976	-0.0356	-4.5202	-3037.6557	-1.4109
1.2 Dead+1.0 Wind 120 deg - No Ice	39.8294	28.3339	16.7396	1576.3181	-2667.8950	-0.9565
0.9 Dead+1.0 Wind 120 deg - No Ice	29.8721	28.3339	16.7396	1558.8133	-2637.1703	-0.9609
1.2 Dead+1.0 Wind 150 deg - No Ice	39.8294	16.3932	28.9030	2722.3870	-1543.4455	-0.4339
0.9 Dead+1.0 Wind 150 deg - No Ice	29.8721	16.3932	28.9030	2691.7720	-1525.5988	-0.4380

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
1.2 Dead+1.0 Wind 180 deg - No Ice	39.8294	-0.0001	33.0903	3122.1402	-0.9940	0.1810
0.9 Dead+1.0 Wind 180 deg - No Ice	29.8721	-0.0001	33.0903	3086.9084	-0.7925	0.1780
1.2 Dead+1.0 Wind 210 deg - No Ice	39.8294	-16.2736	28.6955	2707.0253	1532.7897	0.7457
0.9 Dead+1.0 Wind 210 deg - No Ice	29.8721	-16.2736	28.6955	2676.5393	1515.4162	0.7447
1.2 Dead+1.0 Wind 240 deg - No Ice	39.8294	-28.1739	16.6473	1569.2451	2654.6101	1.1328
0.9 Dead+1.0 Wind 240 deg - No Ice	29.8721	-28.1739	16.6473	1551.8022	2624.3755	1.1343
1.2 Dead+1.0 Wind 270 deg - No Ice	39.8294	-32.5976	-0.0354	-5.5732	3071.5531	1.4021
0.9 Dead+1.0 Wind 270 deg - No Ice	29.8721	-32.5976	-0.0354	-4.9876	3036.5458	1.4062
1.2 Dead+1.0 Wind 300 deg - No Ice	39.8294	-28.3568	-16.6635	-1573.5501	2668.4857	1.0453
0.9 Dead+1.0 Wind 300 deg - No Ice	29.8721	-28.3568	-16.6635	-1555.0169	2638.1302	1.0506
1.2 Dead+1.0 Wind 330 deg - No Ice	39.8294	-16.3742	-28.8205	-2719.0597	1540.2117	0.4402
0.9 Dead+1.0 Wind 330 deg - No Ice	29.8721	-16.3742	-28.8205	-2687.4211	1522.7740	0.4451
1.2 Dead+1.0 Ice+1.0 Temp	85.1500	0.0000	-0.0000	-8.5915	-3.1627	-0.0000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	85.1500	-0.0002	-8.5595	-862.1619	-3.1332	-0.0456
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	85.1500	4.2368	-7.4174	-748.3083	-425.0877	-0.1757
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	85.1500	7.3469	-4.2925	-436.6628	-734.8291	-0.2777
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	85.1500	8.4914	-0.0068	-9.3177	-848.7549	-0.3088
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	85.1500	7.3426	4.3076	420.8301	-734.4642	-0.2065
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	85.1500	4.2408	7.4338	732.5457	-425.5787	-0.0888
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	85.1500	0.0002	8.5752	846.2806	-3.2773	0.0458
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	85.1500	-4.2405	7.4336	732.4751	419.0438	0.1680
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	85.1500	-7.3425	4.3074	420.7067	727.9837	0.2520
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	85.1500	-8.4914	-0.0071	-9.4618	842.3475	0.3085
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	85.1500	-7.3471	-4.2927	-436.7890	728.4925	0.2319
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	85.1500	-4.2370	-7.4176	-748.3817	418.8023	0.0967
Dead+Wind 0 deg - Service	33.1912	0.0000	-7.1632	-674.2377	-0.5735	-0.0386
Dead+Wind 30 deg - Service	33.1912	3.5272	-6.2089	-584.6112	-331.1144	-0.1684
Dead+Wind 60 deg - Service	33.1912	6.1186	-3.5959	-339.2469	-573.9538	-0.2740
Dead+Wind 90 deg - Service	33.1912	7.0736	-0.0077	-2.3906	-663.4457	-0.3100
Dead+Wind 120 deg - Service	33.1912	6.1484	3.6324	338.7980	-576.0550	-0.2068
Dead+Wind 150 deg - Service	33.1912	3.5573	6.2719	586.0829	-333.4703	-0.0926
Dead+Wind 180 deg - Service	33.1912	-0.0000	7.1805	672.3312	-0.6761	0.0388
Dead+Wind 210 deg - Service	33.1912	-3.5313	6.2268	582.7550	330.2401	0.1597
Dead+Wind 240 deg - Service	33.1912	-6.1137	3.6124	337.2657	572.2540	0.2454
Dead+Wind 270 deg - Service	33.1912	-7.0736	-0.0077	-2.4932	662.1965	0.3097
Dead+Wind 300 deg - Service	33.1912	-6.1533	-3.6159	-340.7795	575.2562	0.2351
Dead+Wind 330 deg - Service	33.1912	-3.5532	-6.2540	-587.9395	331.8456	0.1014

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.0000	-33.1912	0.0000	0.0000	33.1912	0.0000	0.000%
2	0.0001	-39.8294	-33.0103	-0.0001	39.8294	33.0104	0.000%
3	0.0001	-29.8721	-33.0103	-0.0001	29.8721	33.0104	0.000%
4	16.2545	-39.8294	-28.6130	-16.2545	39.8294	28.6130	0.000%
5	16.2545	-29.8721	-28.6130	-16.2545	29.8721	28.6130	0.000%
6	28.1967	-39.8294	-16.5712	-28.1967	39.8294	16.5712	0.000%
7	28.1967	-29.8721	-16.5712	-28.1967	29.8721	16.5712	0.000%
8	32.5976	-39.8294	-0.0356	-32.5976	39.8294	0.0356	0.000%
9	32.5976	-29.8721	-0.0356	-32.5976	29.8721	0.0356	0.000%
10	28.3339	-39.8294	16.7396	-28.3339	39.8294	-16.7396	0.000%
11	28.3339	-29.8721	16.7396	-28.3339	29.8721	-16.7396	0.000%
12	16.3932	-39.8294	28.9030	-16.3932	39.8294	-28.9030	0.000%
13	16.3932	-29.8721	28.9030	-16.3932	29.8721	-28.9030	0.000%
14	-0.0001	-39.8294	33.0902	0.0001	39.8294	-33.0903	0.000%
15	-0.0001	-29.8721	33.0902	0.0001	29.8721	-33.0903	0.000%
16	-16.2736	-39.8294	28.6955	16.2736	39.8294	-28.6955	0.000%
17	-16.2736	-29.8721	28.6955	16.2736	29.8721	-28.6955	0.000%
18	-28.1739	-39.8294	16.6473	28.1739	39.8294	-16.6473	0.000%
19	-28.1739	-29.8721	16.6473	28.1739	29.8721	-16.6473	0.000%
20	-32.5976	-39.8294	-0.0354	32.5976	39.8294	0.0354	0.000%
21	-32.5976	-29.8721	-0.0354	32.5976	29.8721	0.0354	0.000%
22	-28.3568	-39.8294	-16.6635	28.3568	39.8294	16.6635	0.000%
23	-28.3568	-29.8721	-16.6635	28.3568	29.8721	16.6635	0.000%
24	-16.3742	-39.8294	-28.8205	16.3742	39.8294	28.8205	0.000%
25	-16.3742	-29.8721	-28.8205	16.3742	29.8721	28.8205	0.000%
26	0.0000	-85.1500	0.0000	-0.0000	85.1500	0.0000	0.000%
27	-0.0002	-85.1500	-8.5593	0.0002	85.1500	8.5595	0.000%
28	4.2368	-85.1500	-7.4174	-4.2368	85.1500	7.4174	0.000%
29	7.3469	-85.1500	-4.2924	-7.3469	85.1500	4.2925	0.000%
30	8.4912	-85.1500	-0.0068	-8.4914	85.1500	0.0068	0.000%
31	7.3426	-85.1500	4.3076	-7.3426	85.1500	-4.3076	0.000%
32	4.2407	-85.1500	7.4337	-4.2408	85.1500	-7.4338	0.000%
33	0.0002	-85.1500	8.5749	-0.0002	85.1500	-8.5752	0.000%
34	-4.2405	-85.1500	7.4336	4.2405	85.1500	-7.4336	0.000%
35	-7.3424	-85.1500	4.3074	7.3425	85.1500	-4.3074	0.000%
36	-8.4912	-85.1500	-0.0071	8.4914	85.1500	0.0071	0.000%
37	-7.3470	-85.1500	-4.2927	7.3471	85.1500	4.2927	0.000%
38	-4.2370	-85.1500	-7.4176	4.2370	85.1500	7.4176	0.000%
39	0.0000	-33.1912	-7.1632	-0.0000	33.1912	7.1632	0.000%
40	3.5272	-33.1912	-6.2089	-3.5272	33.1912	6.2089	0.000%
41	6.1186	-33.1912	-3.5959	-6.1186	33.1912	3.5959	0.000%
42	7.0736	-33.1912	-0.0077	-7.0736	33.1912	0.0077	0.000%
43	6.1484	-33.1912	3.6324	-6.1484	33.1912	-3.6324	0.000%
44	3.5573	-33.1912	6.2719	-3.5573	33.1912	-6.2719	0.000%
45	-0.0000	-33.1912	7.1805	0.0000	33.1912	-7.1805	0.000%
46	-3.5313	-33.1912	6.2268	3.5313	33.1912	-6.2268	0.000%
47	-6.1137	-33.1912	3.6124	6.1137	33.1912	-3.6124	0.000%
48	-7.0736	-33.1912	-0.0077	7.0736	33.1912	0.0077	0.000%
49	-6.1533	-33.1912	-3.6159	6.1533	33.1912	3.6159	0.000%
50	-3.5532	-33.1912	-6.2540	3.5532	33.1912	6.2540	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	4	0.00000001	0.00049183
3	Yes	4	0.00000001	0.00015343
4	Yes	6	0.00000001	0.00015092

5	Yes	6	0.00000001	0.00004387
6	Yes	6	0.00000001	0.00015617
7	Yes	6	0.00000001	0.00004572
8	Yes	5	0.00000001	0.00013200
9	Yes	5	0.00000001	0.00005781
10	Yes	6	0.00000001	0.00015051
11	Yes	6	0.00000001	0.00004367
12	Yes	6	0.00000001	0.00015480
13	Yes	6	0.00000001	0.00004512
14	Yes	4	0.00000001	0.00048770
15	Yes	4	0.00000001	0.00014774
16	Yes	6	0.00000001	0.00015442
17	Yes	6	0.00000001	0.00004514
18	Yes	6	0.00000001	0.00014976
19	Yes	6	0.00000001	0.00004353
20	Yes	5	0.00000001	0.00013396
21	Yes	5	0.00000001	0.00005867
22	Yes	6	0.00000001	0.00015631
23	Yes	6	0.00000001	0.00004569
24	Yes	6	0.00000001	0.00015172
25	Yes	6	0.00000001	0.00004405
26	Yes	4	0.00000001	0.00008281
27	Yes	5	0.00000001	0.00085592
28	Yes	6	0.00000001	0.00026131
29	Yes	6	0.00000001	0.00026710
30	Yes	5	0.00000001	0.00084820
31	Yes	6	0.00000001	0.00024884
32	Yes	6	0.00000001	0.00025480
33	Yes	5	0.00000001	0.00083365
34	Yes	6	0.00000001	0.00025099
35	Yes	6	0.00000001	0.00024551
36	Yes	5	0.00000001	0.00084106
37	Yes	6	0.00000001	0.00026373
38	Yes	6	0.00000001	0.00025759
39	Yes	4	0.00000001	0.00005897
40	Yes	4	0.00000001	0.00089952
41	Yes	4	0.00000001	0.00099066
42	Yes	4	0.00000001	0.00015921
43	Yes	4	0.00000001	0.00087679
44	Yes	4	0.00000001	0.00095531
45	Yes	4	0.00000001	0.00005855
46	Yes	4	0.00000001	0.00094605
47	Yes	4	0.00000001	0.00086273
48	Yes	4	0.00000001	0.00015926
49	Yes	4	0.00000001	0.00098887
50	Yes	4	0.00000001	0.00090737

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	119 - 95	19.2790	39	1.4653	0.0024
L2	99 - 47.25	13.3772	39	1.3154	0.0020
L3	52.75 - 0	3.5867	50	0.6408	0.0005

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
121.0000	RA21.7770.00 w/ Mount Pipe	39	19.2790	1.4653	0.0024	19583
110.0000	(2) LPA-80063-4CF-EDIN-5 w/ Mount Pipe	39	16.5645	1.4069	0.0022	10879

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
98.0000	AIR 21 B2A/B4P w/ Mount Pipe	39	13.0997	1.3052	0.0020	4918
88.0000	VHLP2.5-18	39	10.4660	1.1850	0.0017	4335
86.0000	LLPX310R-V4 w/ Mount Pipe	39	9.9716	1.1576	0.0016	4247

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	119 - 95	89.0831	2	6.7742	0.0111
L2	99 - 47.25	61.8680	12	6.0833	0.0091
L3	52.75 - 0	16.6268	12	2.9719	0.0024

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
121.0000	RA21.7770.00 w/ Mount Pipe	2	89.0831	6.7742	0.0112	4361
110.0000	(2) LPA-80063-4CF-EDIN-5 w/ Mount Pipe	2	76.5601	6.5051	0.0104	2422
98.0000	AIR 21 B2A/B4P w/ Mount Pipe	12	60.5895	6.0362	0.0090	1091
88.0000	VHLP2.5-18	12	48.4449	5.4812	0.0076	956
86.0000	LLPX310R-V4 w/ Mount Pipe	12	46.1630	5.3546	0.0073	936

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L1	119 - 95 (1)	TP27.38x21x0.1875	24.000 0	0.0000	0.0	15.550 1	-9.1687	909.6820	0.010
L2	95 - 47.25 (2)	TP39.57x25.9417x0.25	51.750 0	0.0000	0.0	30.051 1	-24.6341	1757.9900	0.014
L3	47.25 - 0 (3)	TP51.5x37.6216x0.3125	52.750 0	0.0000	0.0	50.771 6	-39.7908	2970.1400	0.013

Pole Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{nx} kip-ft	Ratio M _{ux} / φM _{nx}	M _{uy} kip-ft	φM _{ny} kip-ft	Ratio M _{uy} / φM _{ny}
L1	119 - 95 (1)	TP27.38x21x0.1875	271.0533	552.1708	0.491	0.0000	552.1708	0.000
L2	95 - 47.25 (2)	TP39.57x25.9417x0.25	1477.8167	1494.5583	0.989	0.0000	1494.5583	0.000
L3	47.25 - 0 (3)	TP51.5x37.6216x0.3125	3129.4750	3291.7833	0.951	0.0000	3291.7833	0.000

Pole Shear Design Data

Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio V_u ϕV_n	Actual T_u kip-ft	ϕT_n kip-ft	Ratio T_u ϕT_n
L1	119 - 95 (1)	TP27.38x21x0.1875	15.3486	269.9820	0.057	0.0117	624.4767	0.000
L2	95 - 47.25 (2)	TP39.57x25.9417x0.25	28.9526	527.3970	0.055	0.1766	1749.1667	0.000
L3	47.25 - 0 (3)	TP51.5x37.6216x0.3125	33.2745	891.0420	0.037	0.4339	3994.3083	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	119 - 95 (1)	0.010	0.491	0.000	0.057	0.000	0.504	1.050	4.8.2
L2	95 - 47.25 (2)	0.014	0.989	0.000	0.055	0.000	1.006	1.050	4.8.2
L3	47.25 - 0 (3)	0.013	0.951	0.000	0.037	0.000	0.965	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	119 - 95	Pole	TP27.38x21x0.1875	1	-9.1687	955.1661	48.0	Pass
L2	95 - 47.25	Pole	TP39.57x25.9417x0.25	2	-24.6341	1845.8894	95.8	Pass
L3	47.25 - 0	Pole	TP51.5x37.6216x0.3125	3	-39.7908	3118.6469	92.0	Pass
							Summary	
							Pole (L2)	95.8
							RATING =	95.8
								Pass

APPENDIX B
BASE LEVEL DRAWING



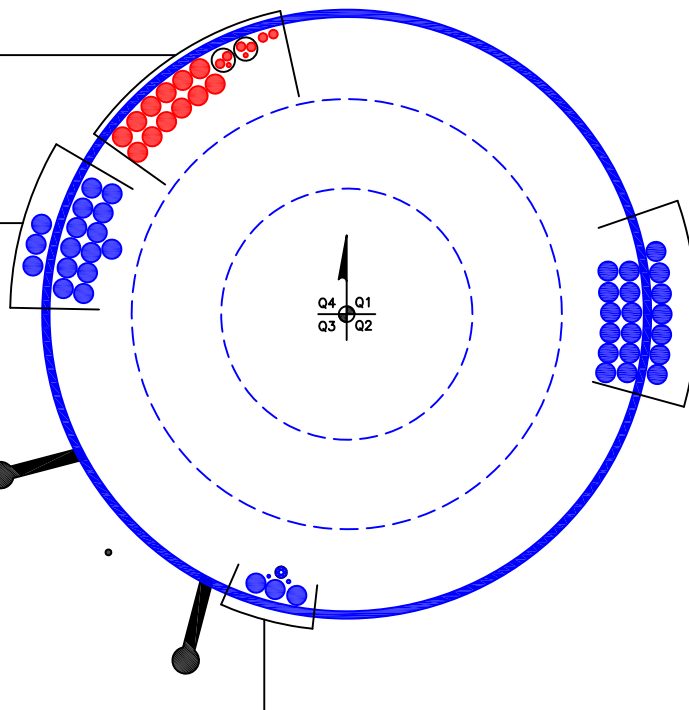
(PROPOSED)
(2) 3/8" TO 121 FT LEVEL
(6) 3/4" TO 121 FT LEVEL
(12) 1-5/8" TO 121 FT LEVEL

(CONSIDERED)
(16) 1-5/8" TO 98 FT LEVEL

CLIMBING PEGS
W/ SAFETY CLIMB

(CONSIDERED)
(1) 1/4" TO 86 FT LEVEL
(6) 5/16" TO 86 FT LEVEL
(3) 1-5/8" TO 86 FT LEVEL

(CONSIDERED)
(19) 1-5/8" TO 110 FT LEVEL



APPENDIX C

ADDITIONAL CALCULATIONS

Monopole Base Plate Connection

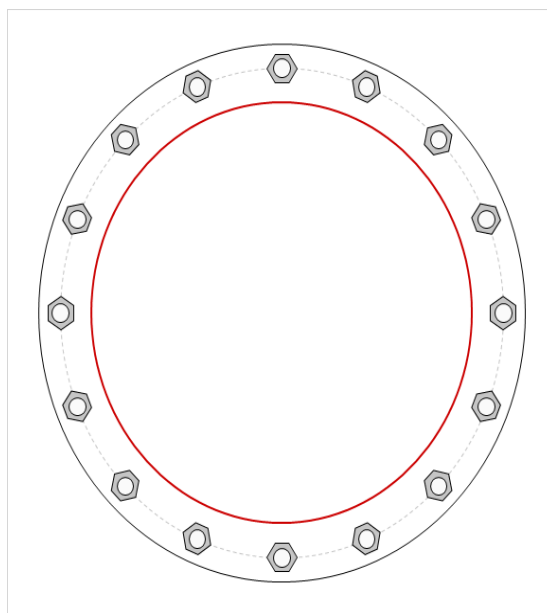


Site Info	
BU #	857012
Site Name	WILLE SOUTH WASHING
Order #	517107 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
I_{ar} (in)	2.25

Applied Loads	
Moment (kip-ft)	3129.48
Axial Force (kips)	39.79
Shear Force (kips)	33.27

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
(16) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 60" BC		$Pu_c = 158.87$	$\phi Pn_c = 268.39$ Stress Rating
Base Plate Data		$Vu = 2.08$	$\phi Vn = 120.77$ 56.4%
66" OD x 2" Plate (A572-60; $F_y=60$ ksi, $F_u=75$ ksi)		$Mu = n/a$	$\phi Mn = n/a$ Pass
Stiffener Data		Base Plate Summary	
N/A		Max Stress (ksi):	40.71 (Flexural)
Pole Data		Allowable Stress (ksi):	54
51.5" x 0.3125" 18-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)		Stress Rating:	71.8% Pass

Drilled Pier Foundation



BU #: 857012
 Site Name: PLAINVILLE SOUTH V
 Order Number: 517107 Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	3129	
Axial Force (kips)	40	
Shear Force (kips)	33	

Material Properties	
Concrete Strength, f _c :	4 ksi
Rebar Strength, F _y :	60 ksi

Pier Design Data	
Depth	37 ft
Ext. Above Grade	1 ft
Pier Section 1	
<i>From 1' above grade to 37' below grade</i>	
Pier Diameter	7 ft
Rebar Quantity	18
Rebar Size	11
Clear Cover to Ties	4 in
Tie Size	5

Rebar & Pier Options

Embedded Pole Inputs

Belled Pier Inputs

Analysis Results		
Soil Lateral Check		
	Compression	Uplift
D _{v=0} (ft from TOC)	8.76	-
Soil Safety Factor	5.16	-
Max Moment (kip-ft)	3353.90	-
Rating*	24.6%	-
Soil Vertical Check		
	Compression	Uplift
Skin Friction (kips)	314.36	-
End Bearing (kips)	235.67	-
Weight of Concrete (kips)	168.14	-
Total Capacity (kips)	550.03	-
Axial (kips)	208.14	-
Rating*	36.0%	-
Reinforced Concrete Check		
	Compression	Uplift
Critical Depth (ft from TOC)	8.57	-
Critical Moment (kip-ft)	3353.72	-
Critical Moment Capacity	4660.09	-
Rating*	68.5%	-

Soil Interaction Rating*	36.0%
Structural Foundation Rating*	68.5%

*Rating per TIA-222-H Section 15.5

Check Limitation	
Apply TIA-222-H Section 15.5:	☒
N/A	☐

Soil Profile				
Groundwater Depth	4	# of Layers	7	

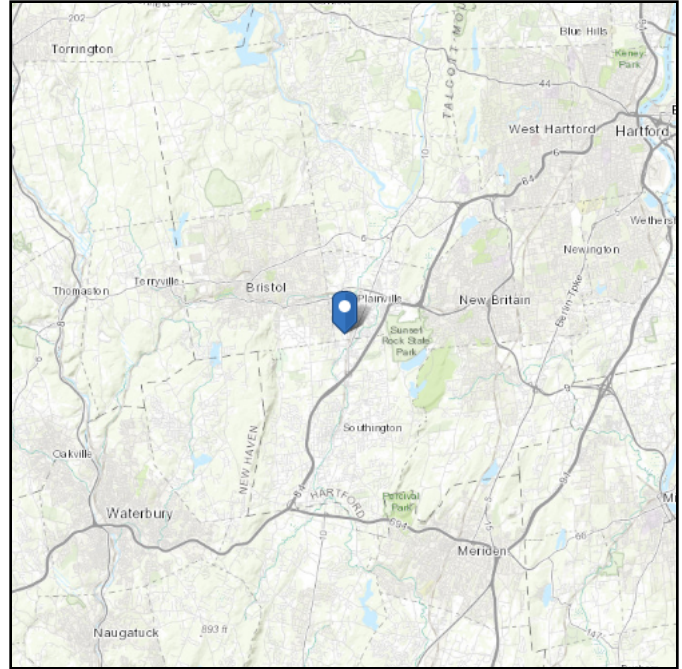
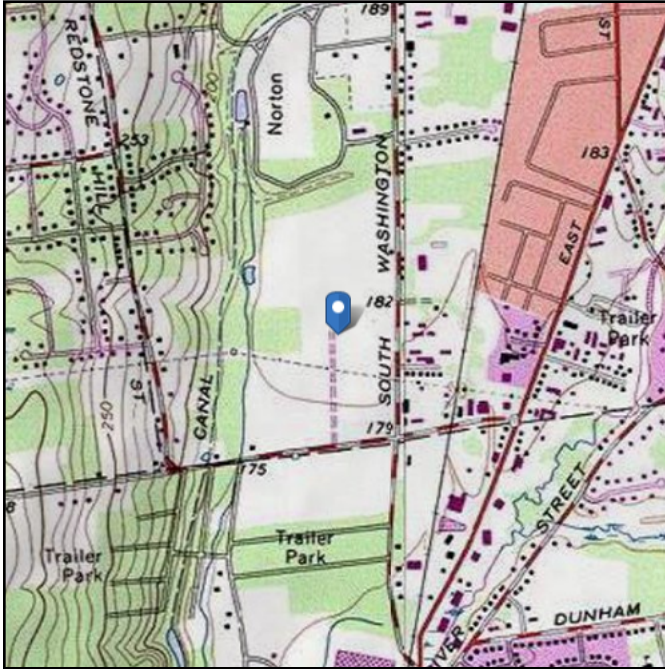
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.5	3.5	117.4	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.5	4	0.5	117.4	150	0	33	0.000	0.000	0.32	0.32			Cohesionless
3	4	13	9	55	87.6	0	33	0.000	0.000	0.32	0.32			Cohesionless
4	13	15	2	45	87.6	0	28	0.000	0.000	0.50	0.50			Cohesionless
5	15	19	4	45	87.6	0	28	0.000	0.000	0.56	0.56			Cohesionless
6	19	23	4	55	87.6	0	33	0.000	0.000	0.64	0.64			Cohesionless
7	23	37	14	40	87.6	0	28	0.00	0.00	0.73	0.73	8.165		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 181.15 ft (NAVD 88)
Latitude: 41.653064
Longitude: -72.876917

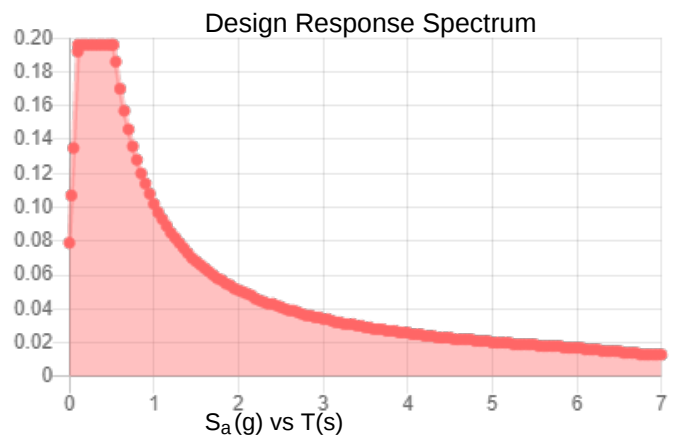
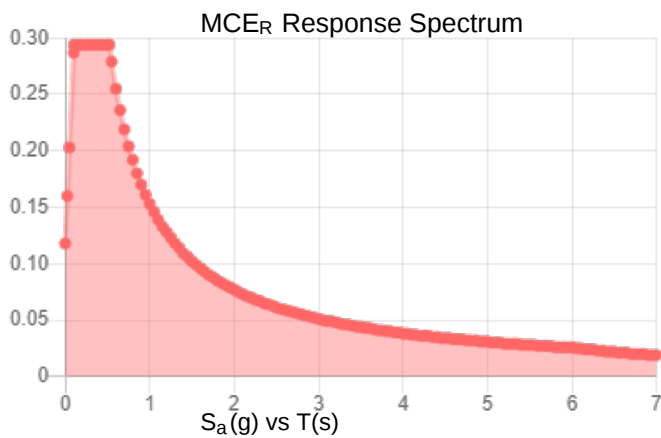


Site Soil Class: D - Stiff Soil

Results:

S_S :	0.184	S_{DS} :	0.196
S_1 :	0.064	S_{D1} :	0.102
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.094
S_{MS} :	0.294	PGA_M :	0.15
S_{M1} :	0.153	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Thu Jun 04 2020

Date Source:

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

Ice

Results:

Ice Thickness: 1.00 in.

Concurrent Temperature: 5 F

Gust Speed: 50 mph

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

Date Accessed: Thu Jun 04 2020

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

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

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

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

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

Exhibit E

Mount Analysis

Date: **May 28, 2020**

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



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

Subject: Mount Analysis Report

Carrier Designation: AT&T Mobility
Carrier Site Number: 83948
Carrier Site Name: CTL01029
FA Number: 10105805
Pace #: MRCTB046566

Crown Castle Designation: Crown Castle BU Number: 857012
Crown Castle Site Name: Plainville South Washington St
Crown Castle JDE Job Number: 605399
Crown Castle Order Number: 517107 Rev. 0

Engineering Firm Designation: POD Report Designation: 20-64618

Site Data: 335 S. Washington St., Plainville, Hartford County, CT 06062
Latitude 41°39'11.03" Longitude 72°52'36.90"

Structure Information: Tower Height & Type: 121 ft Monopole
Mount Elevation: 121 ft
Mount Type: 13.667 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:

13.667 ft Platform with Support Rails (Multiple Sector)

Sufficient

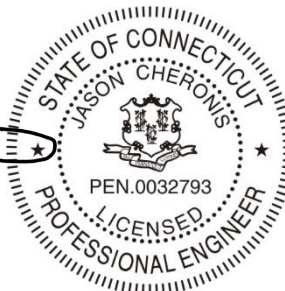
The analysis has been performed in accordance with the TIA-222-H Standard based upon an ultimate 3-second gust wind speed of 117 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Nathan Gilkerson

Respectfully submitted by:

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

A handwritten signature in black ink, appearing to read "J. Cheronis", is written over the printed name and title.



5/28/2020

TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA

Table 1 – Final Equipment Configuration

3) ANALYSIS PROCEDURE

Table 2 – Documents Provided

3.1) Analysis Method

3.2) Assumptions

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity

4.1) Recommendations

Table 4 - AT&T Specification

5) DISCLAIMER OF WARRANTIES

6) APPENDIX A

Wire Frame and Rendered Models

7) APPENDIX B

Software Input Calculations

8) APPENDIX C

Software Analysis Output

9) APPENDIX D

Additional Calculations

10) APPENDIX E

Wind Speed Documentation

1) INTRODUCTION

This mount is an existing 13.667 ft Platform with Support Rails designed by EEI. This mount is installed at the 121 ft elevation on of the 121 ft Monopole.

Based on photographs of the site the mount has been modified, however, modification drawings could not be located. A kicker kit has been installed on the mount attaching to the standoff with a tower collar mount below the existing mount.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H & 2018 CBC
Risk Category:	II
Ultimate Wind Speed:	117 mph
Exposure Category:	C
Topographic Factor at Base:	1.000
Topographic Factor at Mount:	1.000
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.181
Seismic S_1:	0.064
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
121	121	3	CCI	HPA-65R-BUU-H6	13.667 ft Platform with Support Rails	-
		3	Powerwave	RA21.7770.00		
		3	Quintel	QS66512-2		
		3	Kathrein	80010965		
		3	Ericsson	RRUS 11 B12		
		3	Ericsson	RRUS 32 B2		
		3	Kaelus	DBC0061F1V51-2		
		6	Powerwave	7020.00		
		6	Powerwave	LGP21401		
		1	Raycap	DC6-48-60-18-8C		
		1	Raycap	DC6-48-60-18-8F		
		3	Ericsson	RRUS 32 B30		
		3	Ericsson	RRUS 4426 B66		
		3	Ericsson	RRUS 4478 B14		
		3	Ericsson	RRUS 4478 B5		
		6	Kaelus	DBCT108F1V92-1		
		1	Raycap	DC6-48-60-18-8C		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Crown Application	-	Crown Castle App ID: 517017 Rev. 0 Dated: 05/28/2020	Crown Castle
RFDS	-	AT&T PACE #: MRCTB046724 Dated: 05/22/2020	Crown Castle
Mount Specifications	-	EEI Drawing #: K10994A Dated: 08/30/2001	POD

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 are 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) All structural members shall be verified in accordance with AT&T Mount Technical Directive.
- 6) 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.
- 7) Prior structural modifications to the tower mounting system are assumed to be installed as shown per available data.
- 8) Mounts pipes must be moved to account for edge to edge spacing between the antennas required by the radio frequency data sheet.
- 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 (13.667 ft Platform with Support Rails)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
	Standoff	Standoff3	121	48.6	Pass
	Mount Pipe	MP Gamma3	121	43.0	Pass
	Face	Face3	121	31.1	Pass
	Kicker	Kicker2	121	26.3	Pass
	Rail	Rail1	121	21.7	Pass
	Support	Support2	121	1.8	Pass
	Rail Support	Rsupport3	121	1.5	Pass
1	Flange Plate	-	-	30.7	Pass
	Flange Bolts	-	-	1.3	Pass

Structure Rating (max from all components) =	48.6%
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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 (4 per Sector)	Allowable EPA per Pipe (ft sq.)	Allowable Weight per Sector (lbs)
117	1.5	121	C	II	1	12	13.3	2100

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.

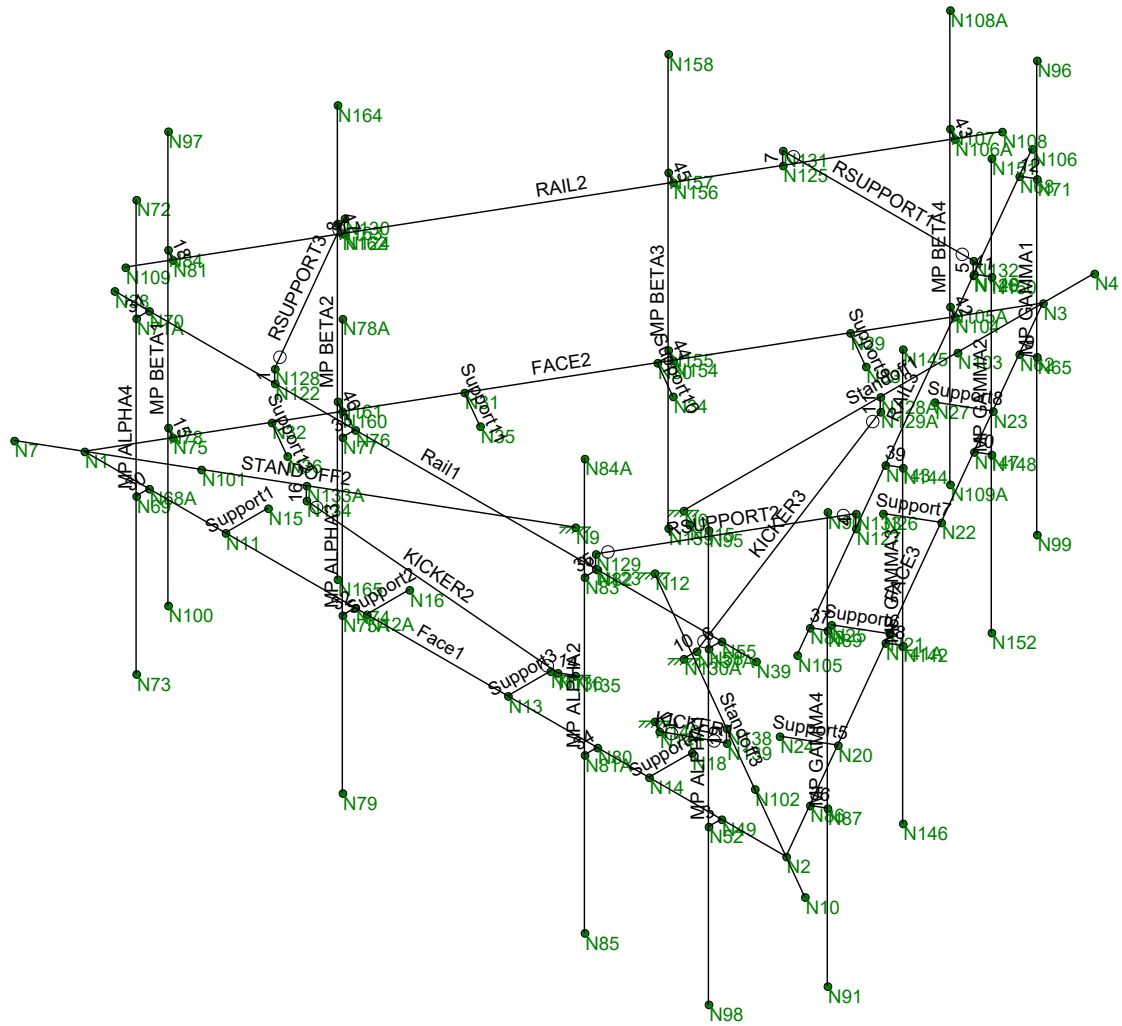
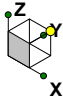
It is the owner's responsibility to determine the amount of ice accumulation in excess of the code specified amount, if any, that should be considered in the structural analysis.

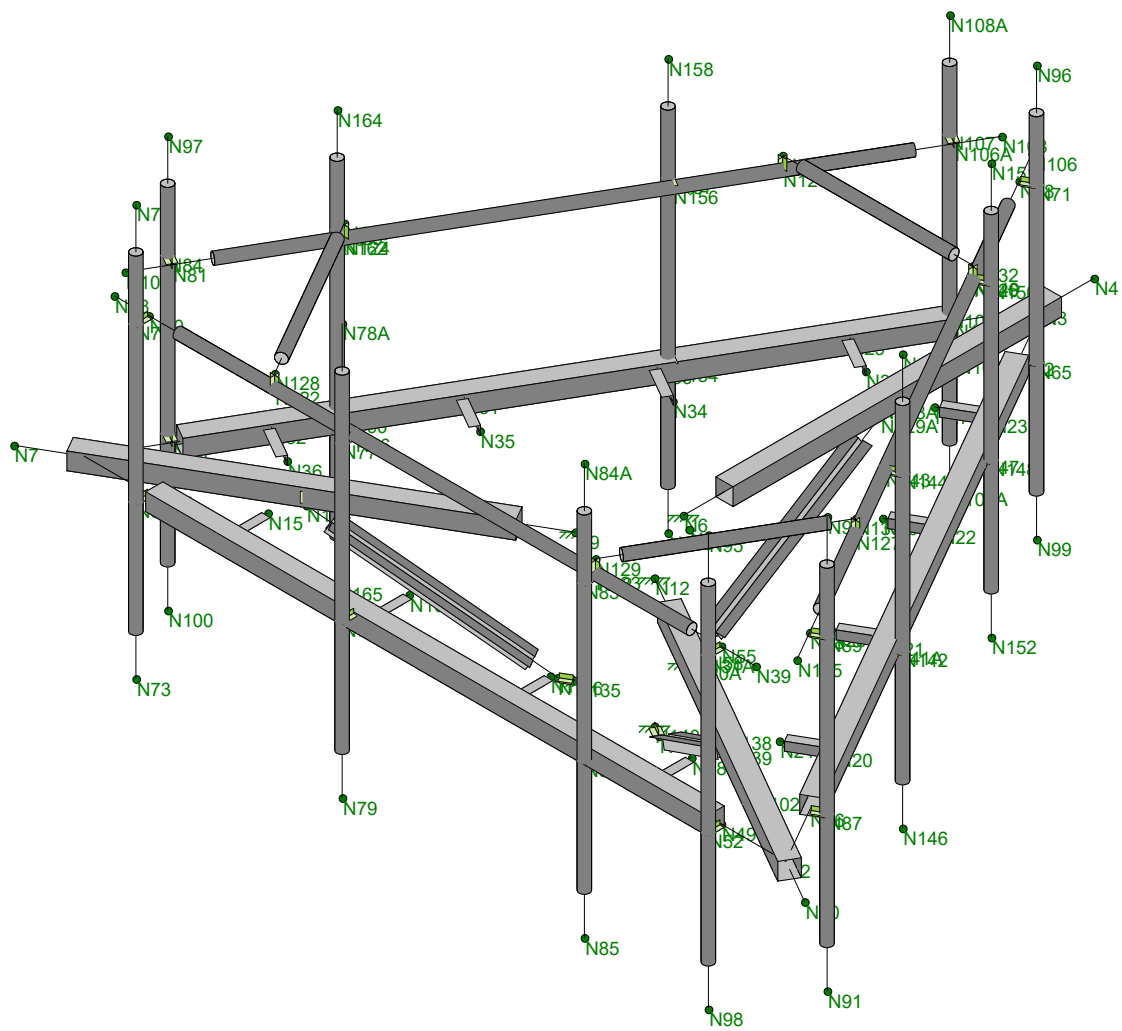
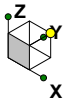
The attached sketches are a schematic representation of the analyzed structure. If any material is fabricated from these sketches, the contractor shall be responsible for field verifying the existing conditions, proper fit, and clearance in the field. Any mentions of structural modifications are reasonable 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.

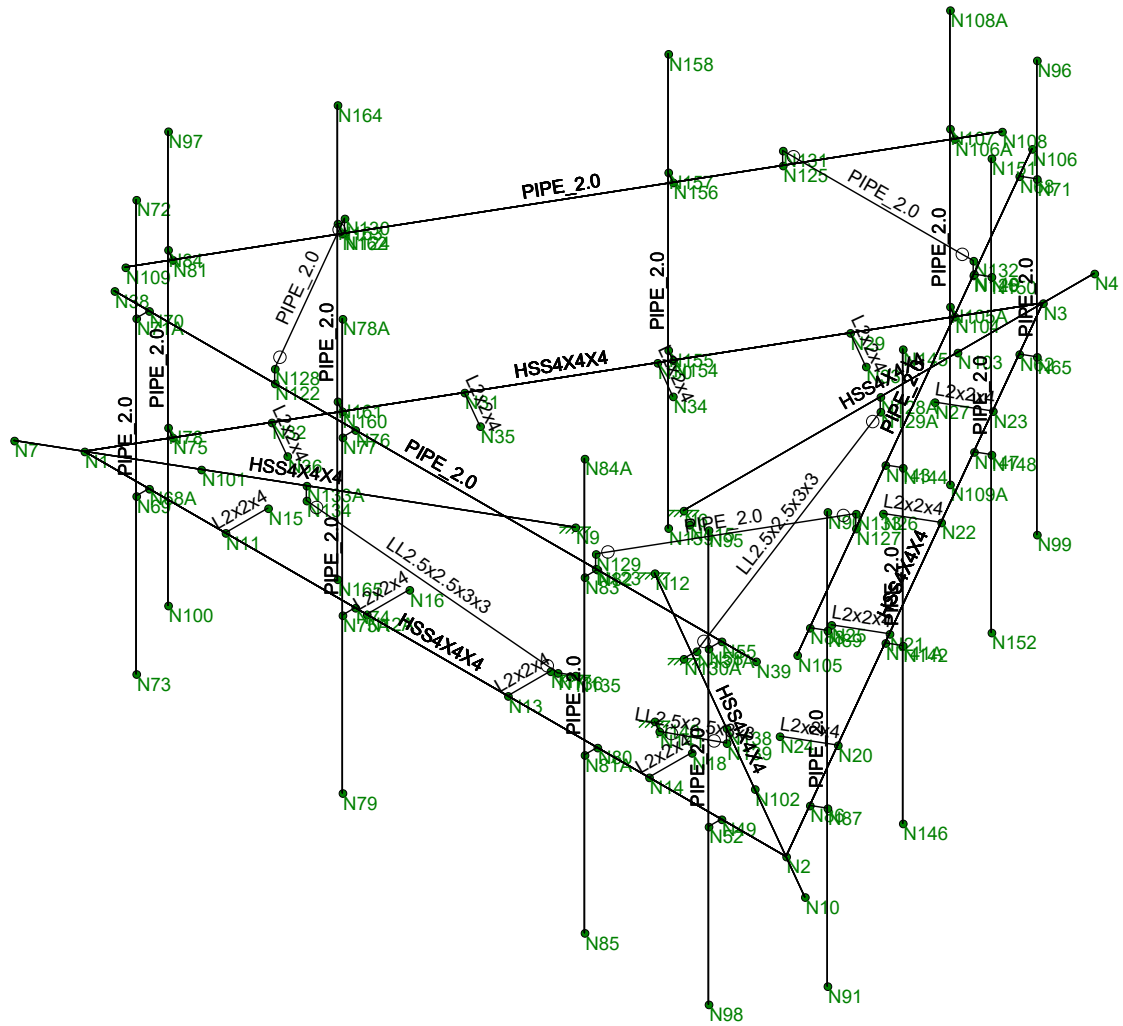
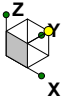
POD Group makes no warranties, expressed and/or implied, in connection with this report and disclaims any liability arising from material, fabrication, and erection of this structure. POD Group will not be responsible whatsoever, for or on account of, consequential or incidental damages sustained by 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.

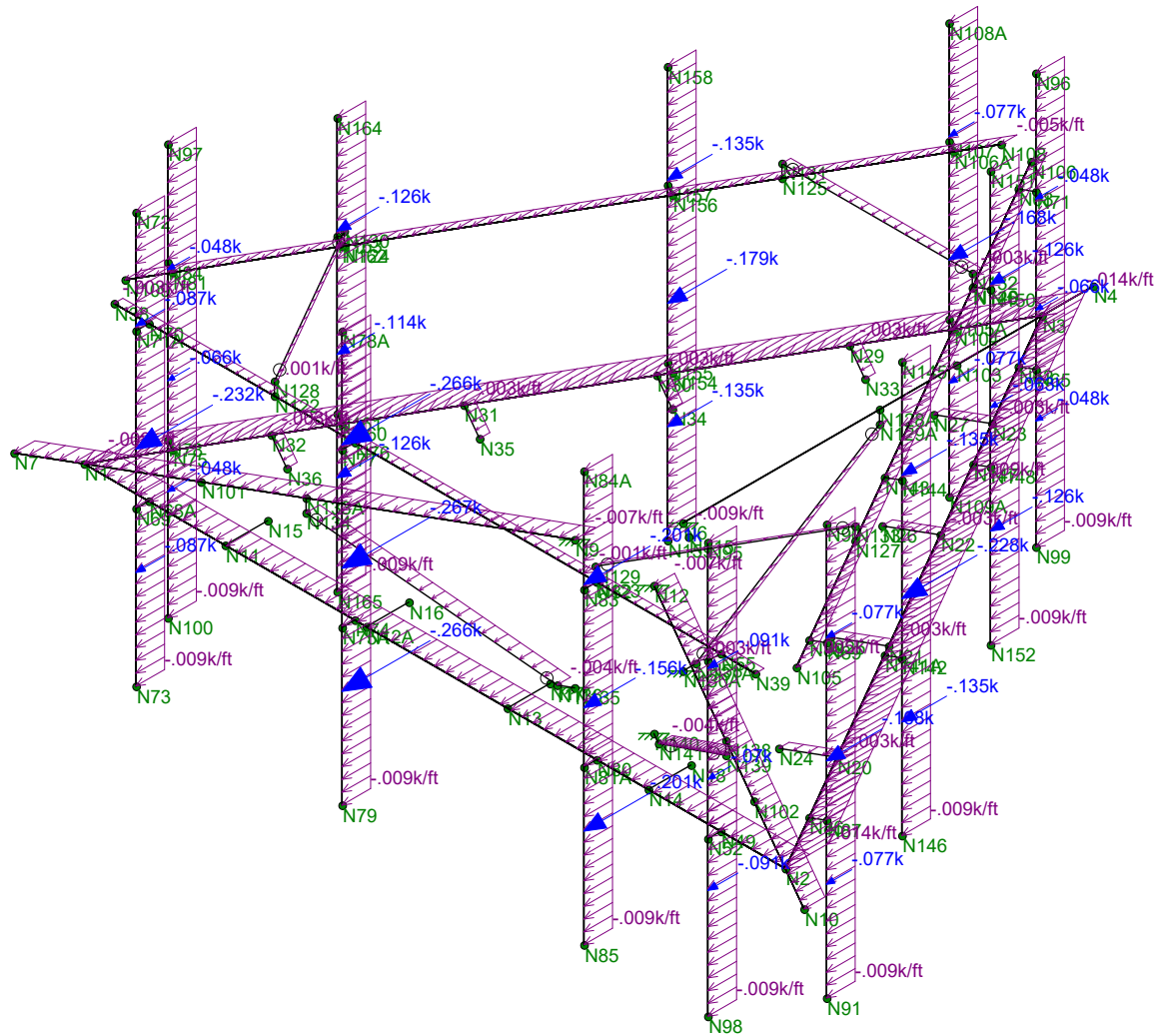
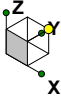
APPENDIX A

Wire Frame and Rendered Models









APPENDIX B

Software Input Calculations



POD Job # 20-64618
Site Number 857012
Site Name Plainville South Washington St

General Site Information

Mount Type	SFP	Risk Category	II	I (seismic)	1
V (Wind Speed)	117	I(ice)	1	Sms	0.290
Zs	185	Ss	0.181	Sm1	0.154
ti	1.5	S1	0.064	Sds	0.193
Vi	50	Soil Site Class	D (assumed)	Sd1	0.102
Kzt	1			Seismic Design Category	
Exposure	C	Fa	1.600		B
zg	900	Fv	2.400	Seismic Analysis Not Required	
g	9.5			R	2 TIA-222-H 16.7
Kmin	0.85	Tower Type	Monopole	As	1 TIA-222-H 16.7
G _y	1	Tower Height	121	Cs, Min	0.03 TIA-222-H 2.7.7.1.1
Ke	0.99			Cs	0.096533333 TIA-222-H 2.7.7.1.1
K _o	0.95				
K _z	0.9				

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
HPA-6SR-BUJ-H6			121	4	50		A/B/C	1	2
RA21.7770.00			121	4	45		A/B/C	1	1
Q566512-2			121	4	50		A/B/C	1	4
80010965			121	4	50		A/B/C	1	3
RRUS 11 B12			121	4			A/B/C	1	2
RRUS 32 B2			121	4			A/B/C	1	4
DBC0061F1V51-2			121	4			A/B/C	1	4
7020			121	4			A/B/C	2	1
LGP21401			121	4			A/B/C	2	1
DC6-48-60-18-8C			121	4			A	1	2
DC6-48-60-18-8F			121	4			B	1	2
RRUS 32 B30			121	4			A/B/C	1	4
RRUS 4426 B66			121	4			A/B/C	1	3
RRUS 4478 B14			121	4			A/B/C	1	3
RRUS 4478 B5			121	4			A/B/C	1	3
DBCT108F1V92-1			121	4			A/B/C	2	3
DC6-48-60-18-8C			121	4			C	1	3

Mount Information

Elevation (ft)	121	Grating Thickness (in)	1
K _y	1.32	Grating Ice Weight (k/ft ²)	0.019
K _{iz}	1.14		
ti _z	1.71		

Mount Pipes	Length (ft)	Width (in)	Centerline
	8	2.375	121

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
Rail Support	3.71	2.375	No	3

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
Support	0.83	2	Angle		2	0.25		No	12
Standoff	8	4	Square HSS		4	0.25	4	No	3
Kicker	4.25	2.5	D. Angle		2.5	0.1875	0.375	No	3
Face (On)	13.67	4	Square HSS		4	0.25	4	Yes	2
Face (Off)	13.67	4	Square HSS		4	0.25	4	No	1



Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	K2	qz (lb/ft ²)	(EPA) _h (ft ²)	(EPA) _z (ft ²)	Wind Force (Kips)				Gamma
									Front	Side	Alpha	Beta	
HPA-6SR-BUU-H6	72.0	14.8	9.0	47.9	1.32	43.57	9.22	4.65	0.402	0.203	0.352	0.352	0.203
RA21.7770.00	63.0	11.0	5.0	40.0	1.32	43.57	4.19	1.52	0.182	0.066	0.153	0.153	0.066
Q566512-2	72.0	12.0	9.6	111.0	1.32	43.57	4.01	3.37	0.175	0.147	0.168	0.168	0.147
80010965	78.7	20.0	6.9	108.6	1.32	43.57	12.23	4.21	0.533	0.184	0.446	0.446	0.184
RRUS 11 B12	20.0	17.0	7.0	50.7	1.32	43.57	2.55	1.06	0.111	0.046	0.095	0.095	0.046
RRUS 32 B2	27.2	12.1	7.0	52.9	1.32	43.57	2.46	1.50	0.107	0.065	0.097	0.097	0.065
DBCO061F1V51-2	8.0	6.5	6.2	25.4	1.32	43.57	0.39	0.37	0.017	0.016	0.017	0.017	0.016
7020	2.5	4.9	8.4	2.2	1.32	43.57	0.09	0.16	0.004	0.007	0.005	0.005	0.007
LGP21401	14.2	6.7	5.4	22.0	1.32	43.57	0.71	0.58	0.031	0.025	0.030	0.030	0.025
DC6-48-60-18-8C	31.4	10.2	10.2	26.2	1.32	43.57	1.03	1.14	0.045	0.050	0.046	0.046	0.050

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft²)	(EPA) _h (ft²)	(EPA) _z (ft²)	Wind Force (Kips)				Gamma	
										Front	Side	Alpha	Beta		
HPA-6SR-BUU-H6	1.71	75.42	18.22	12.42	241.99		1.14	7.96	10.75	6.45	0.086	0.051	0.077	0.077	0.051
RA21.7770.00	1.71	66.42	14.42	8.42	148.86		1.14	7.96	5.21	2.68	0.041	0.021	0.036	0.036	0.021
Q566512-2	1.71	75.42	15.42	13.02	221.63		1.14	7.96	4.86	4.26	0.039	0.034	0.037	0.037	0.034
80010965	1.71	82.12	23.42	10.32	290.89		1.14	7.96	13.44	5.92	0.107	0.047	0.092	0.092	0.047
RRUS 11 B12	1.71	23.42	20.42	10.42	84.25		1.14	7.96	2.10	1.07	0.017	0.009	0.015	0.015	0.009
RRUS 32 B2	1.71	30.62	15.47	10.42	85.49		1.14	7.96	2.08	1.42	0.017	0.011	0.015	0.015	0.011
DBCO061F1V51-2	1.71	11.42	9.92	9.62	24.83		1.14	7.96	0.50	0.48	0.004	0.004	0.004	0.004	0.004
7020	1.71	5.92	8.32	11.82	15.51		1.14	7.96	0.22	0.31	0.002	0.002	0.002	0.002	0.002
LGP21401	1.71	17.62	10.12	8.82	34.27		1.14	7.96	0.78	0.68	0.006	0.005	0.006	0.006	0.005
DC6-48-60-18-8C	1.71	34.83	13.66	13.66	103.74		1.14	7.96	2.08	2.08	0.017	0.017	0.017	0.017	0.017
DC6-48-60-18-8F	1.71	34.67	14.42	14.42	110.94		1.14	7.96	2.19	2.19	0.017	0.017	0.017	0.017	0.017
RRUS 32 B30	1.71	30.62	15.52	10.42	85.70		1.14	7.96	2.08	1.42	0.017	0.011	0.015	0.015	0.011
RRUS 4426 B66	1.71	19.92	16.82	11.12	65.48		1.14	7.96	1.47	0.97	0.012	0.008	0.011	0.011	0.008
RRUS 4478 B14	1.71	19.92	16.82	11.12	65.48		1.14	7.96	1.47	0.97	0.012	0.008	0.011	0.011	0.008
RRUS 4478 B5	1.71	19.92	16.82	11.12	65.48		1.14	7.96	1.47	0.97	0.012	0.008	0.011	0.011	0.008
DBCT108F1V92-1	1.71	14.13	10.56	6.94	24.80		1.14	7.96	0.66	0.43	0.005	0.003	0.005	0.005	0.003
DC6-48-60-18-8C	1.71	34.83	13.66	13.66	103.74		1.14	7.96	2.08	2.08	0.017	0.017	0.017	0.017	0.017

Round Members

Member	q _i (lb/ft ²)	Ar	C	Wind Calculations			EPA (ft ²)	Load (k/ft)	Width (in)	Weight (k/ft)	q _i (lb/ft ²)	Ar/ice	Ice Calculations			EPA (ft ²)	Load (k/ft)
				Rr	Cf								Rrice	Cf			
Rail (On)	43.57	4.95	26.49	0.61		2.19	2.99	0.010	5.79	0.01	7.96	12.07	0.76		2.19	9.08	0.006
Rail (Off)	43.57	2.47	26.49	0.61		1.20	1.64	0.003	5.79	0.01	7.96	6.03	0.76		1.20	4.98	0.002
Rail Support	43.57	2.20	26.49	0.61		1.20	0.49	0.003	5.79	0.01	7.96	5.37	0.76		1.20	1.48	0.002

Flat Members

Member	q _i (lb/ft ²)	Af	Cf	Wind Calculations			EPA	Load (k/ft)	Width (in)	Weight (k/ft)	q _i (lb/ft ²)	Ar/ice	Ice Calculations			EPA	Load (k/ft)
				EPA									Rrice	Cf			
Support	43.57	1.66	1.20	0.15	0.004				5.42	0.01	7.96	4.50	0.76		2.19	0.56	0.003
Standoff	43.57	8.00	1.20	2.88	0.008				7.42	0.02	7.96	14.83	0.76		2.19	7.44	0.004
Kicker	43.57	2.66	1.20	0.96	0.005				5.92	0.02	7.96	6.29	0.76		2.19	3.15	0.003
Face (On)	43.57	9.11	2.19	8.97	0.029				7.42	0.02	7.96	16.90	0.76		2.19	12.72	0.007
Face (Off)	43.57	4.56	1.20	4.92	0.008				7.42	0.02	7.96	8.45	0.76		2.19	12.72	0.004

Appurtenance Seismic Calculations

Model	Weight	Sds	p	Cs	As	Ev	Eh
HPA-6SR-BUU-H6	47.9	0.193	1.000	0.097	1.000	0.002	0.005
RA21.7770.00	40.0	0.193	1.000	0.097	1.000	0.002	0.004
Q566512-2	111.0	0.193	1.000	0.097	1.000	0.004	0.011
80010965	108.6	0.193	1.000	0.097	1.000	0.004	0.010
RRUS 11 B12	50.7	0.193	1.000	0.097	1.000	0.002	0.005
RRUS 32 B2	52.9	0.193	1.000	0.097	1.000	0.002	0.005
DBCO061F1V51-2	25.4	0.193	1.000	0.097	1.000	0.001	0.002
7020	2.2	0.193	1.000	0.097	1.000	0.000	0.000
LGP21401	22.0	0.193	1.000	0.097	1.000	0.001	0.002
DC6-48-60-18-8C	26.2	0.193	1.000	0.097	1.000	0.001	0.003
DC6-48-60-18-8F	32.8	0.193	1.000	0.097	1.000	0.001	0.003
RRUS 32 B30	53.0	0.193	1.000	0.097	1.000	0.002	0.005
RRUS 4426 B66	59.9	0.193	1.000	0.097	1.000	0.002	0.006
RRUS 4478 B14	59.9	0.193	1.000	0.097	1.000	0.002	0.006
RRUS 4478 B5	59.9	0.193	1.000	0.097	1.000	0.002	0.006
DBCT108F1V92-1	13.9	0.193	1.000	0.097	1.000	0.001	0.001
DC6-48-60-18-8C	26.2	0.193	1.000	0.097	1.000	0.001	0.003

APPENDIX C

Software Analysis Output

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torq...	Kyy	Kzz	Cb	Function
1	Support12	L2x2x4	.83			Lbyy						Lateral
2	Support11	L2x2x4	.83			Lbyy						Lateral
3	Support10	L2x2x4	.83			Lbyy						Lateral
4	Support9	L2x2x4	.83			Lbyy						Lateral
5	Support8	L2x2x4	.83			Lbyy						Lateral
6	Support7	L2x2x4	.83			Lbyy						Lateral
7	Support6	L2x2x4	.83			Lbyy						Lateral
8	Support5	L2x2x4	.83			Lbyy						Lateral
9	Support4	L2x2x4	.83			Lbyy						Lateral
10	Support3	L2x2x4	.83			Lbyy						Lateral
11	Support2	L2x2x4	.83			Lbyy						Lateral
12	Support1	L2x2x4	.83			Lbyy						Lateral
13	Standoff3	HSS4X4X4	8	7		Lbyy						Lateral
14	Standoff1	HSS4X4X4	8	7		Lbyy						Lateral
15	STANDOFF2	HSS4X4X4	8	7		Lbyy						Lateral
16	Rail1	PIPE 2.0	12.5			Lbyy						Lateral
17	RSUPPORT3	PIPE 2.0	3.71			Lbyy						Lateral
18	RSUPPORT2	PIPE 2.0	3.71			Lbyy						Lateral
19	RSUPPORT1	PIPE 2.0	3.71			Lbyy						Lateral
20	RAIL3	PIPE 2.0	12.5			Lbyy						Lateral
21	RAIL2	PIPE 2.0	12.5			Lbyy						Lateral
22	MP GAMMA4	PIPE 2.0	8			Lbyy						Lateral
23	MP GAMMA3	PIPE 2.0	8			Lbyy						Lateral
24	MP GAMMA2	PIPE 2.0	8			Lbyy						Lateral
25	MP GAMMA1	PIPE 2.0	8			Lbyy						Lateral
26	MP BETA4	PIPE 2.0	8			Lbyy						Lateral
27	MP BETA3	PIPE 2.0	8			Lbyy						Lateral
28	MP BETA2	PIPE 2.0	8			Lbyy						Lateral
29	MP BETA1	PIPE 2.0	8			Lbyy						Lateral
30	MP ALPHA4	PIPE 2.0	8			Lbyy						Lateral
31	MP ALPHA3	PIPE 2.0	8			Lbyy						Lateral
32	MP ALPHA2	PIPE 2.0	8			Lbyy						Lateral
33	MP ALPHA1	PIPE 2.0	8			Lbyy						Lateral
34	KICKER3	LL2.5x2.5x3...	4.231			Lbyy						Lateral
35	KICKER2	LL2.5x2.5x3...	4.231			Lbyy						Lateral
36	KICKER1	LL2.5x2.5x3...	4.231			Lbyy						Lateral
37	Face1	HSS4X4X4	13.67			Lbyy						Lateral
38	FACE3	HSS4X4X4	13.67			Lbyy						Lateral
39	FACE2	HSS4X4X4	13.67			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
1	Support12	N32	N36		180	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
2	Support11	N31	N35		180	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
3	Support10	N30	N34		180	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
4	Support9	N29	N33		180	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
5	Support8	N23	N27			L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
6	Support7	N22	N26			L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
7	Support6	N21	N25			L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
8	Support5	N20	N24			L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
9	Support4	N14	N18		180	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
10	Support3	N13	N17		180	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
11	Support2	N12A	N16		180	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical
12	Support1	N11	N15		180	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...)	Section/Shape	Type	Design List	Material	Design R...
13	Standoff3	N12	N10			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
14	Standoff1	N6	N4			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
15	STANDOFF2	N9	N7			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
16	Rail1	N38	N39			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
17	RSUPPORT3	N128	N130			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
18	RSUPPORT2	N129	N133			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
19	RSUPPORT1	N132	N131			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
20	RAIL3	N105	N106			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
21	RAIL2	N108	N109			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
22	MP GAMMA4	N91	N90			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
23	MP GAMMA3	N146	N145			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
24	MP GAMMA2	N152	N151			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
25	MP GAMMA1	N99	N96			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
26	MP BETA4	N109A	N108A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
27	MP BETA3	N159	N158			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
28	MP BETA2	N165	N164			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
29	MP BETA1	N100	N97			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
30	MP ALPHA4	N73	N72			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
31	MP ALPHA3	N79	N78A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
32	MP ALPHA2	N85	N84A			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
33	MP ALPHA1	N98	N95			PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical
34	KICKER3	N131A	N129A		180	LL2.5x2.5x3x3	Beam	Double Angle (3/8 G...	A36 Gr.36	Typical
35	KICKER2	N136	N134		287.067	LL2.5x2.5x3x3	Beam	Double Angle (3/8 G...	A36 Gr.36	Typical
36	KICKER1	N141	N139		72.933	LL2.5x2.5x3x3	Beam	Double Angle (3/8 G...	A36 Gr.36	Typical
37	Face1	N1	N2			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
38	FACE3	N2	N3			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
39	FACE2	N3	N1			HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical
40	43	N106A	N107			RIGID	None	None	RIGID	Typical
41	42	N104	N105A			RIGID	None	None	RIGID	Typical
42	37	N88	N89			RIGID	None	None	RIGID	Typical
43	36	N86	N87			RIGID	None	None	RIGID	Typical
44	35	N82	N83			RIGID	None	None	RIGID	Typical
45	34	N80	N81A			RIGID	None	None	RIGID	Typical
46	33	N76	N77			RIGID	None	None	RIGID	Typical
47	32	N74	N75A			RIGID	None	None	RIGID	Typical
48	31	N70	N71A			RIGID	None	None	RIGID	Typical
49	30	N68A	N69			RIGID	None	None	RIGID	Typical
50	19	N139	N138		240	RIGID	None	None	RIGID	Typical
51	18	N81	N84			RIGID	None	None	RIGID	Typical
52	17	N140	N141			RIGID	None	None	RIGID	Typical
53	16	N134	N133A		120	RIGID	None	None	RIGID	Typical
54	15	N75	N78			RIGID	None	None	RIGID	Typical
55	14	N135	N136		180	RIGID	None	None	RIGID	Typical
56	12	N68	N71			RIGID	None	None	RIGID	Typical
57	11	N129A	N128A			RIGID	None	None	RIGID	Typical
58	10	N130A	N131A			RIGID	None	None	RIGID	Typical
59	9	N62	N65			RIGID	None	None	RIGID	Typical
60	8	N124	N130			RIGID	None	None	RIGID	Typical
61	7	N125	N131			RIGID	None	None	RIGID	Typical
62	6	N55	N58			RIGID	None	None	RIGID	Typical
63	5	N126	N132			RIGID	None	None	RIGID	Typical
64	4	N127	N133			RIGID	None	None	RIGID	Typical
65	3	N49	N52			RIGID	None	None	RIGID	Typical
66	2	N123	N129			RIGID	None	None	RIGID	Typical
67	1	N122	N128			RIGID	None	None	RIGID	Typical
68	41	N149	N150			RIGID	None	None	RIGID	Typical
69	40	N147	N148			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
70	39	N143	N144			RIGID	None	None	RIGID	Typical
71	38	N141A	N142			RIGID	None	None	RIGID	Typical
72	47	N162	N163			RIGID	None	None	RIGID	Typical
73	46	N160	N161			RIGID	None	None	RIGID	Typical
74	45	N156	N157			RIGID	None	None	RIGID	Typical
75	44	N154	N155			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismic...
1	Support12						Yes				None
2	Support11						Yes				None
3	Support10						Yes				None
4	Support9						Yes				None
5	Support8						Yes				None
6	Support7						Yes				None
7	Support6						Yes				None
8	Support5						Yes				None
9	Support4						Yes				None
10	Support3						Yes				None
11	Support2						Yes				None
12	Support1						Yes				None
13	Standoff3						Yes				None
14	Standoff1						Yes				None
15	STANDOFF2						Yes				None
16	Rail1						Yes				None
17	RSUPPORT3	BenPIN	BenPIN				Yes	Default			None
18	RSUPPORT2	BenPIN	BenPIN				Yes	Default			None
19	RSUPPORT1	BenPIN	BenPIN				Yes	Default			None
20	RAIL3						Yes				None
21	RAIL2						Yes				None
22	MP GAMMA4						Yes				None
23	MP GAMMA3						Yes				None
24	MP GAMMA2						Yes				None
25	MP GAMMA1						Yes				None
26	MP BETA4						Yes				None
27	MP BETA3						Yes				None
28	MP BETA2						Yes				None
29	MP BETA1						Yes				None
30	MP ALPHA4						Yes				None
31	MP ALPHA3						Yes				None
32	MP ALPHA2						Yes				None
33	MP ALPHA1						Yes				None
34	KICKER3	00000X	00000X				Yes	Default			None
35	KICKER2	00000X	00000X				Yes	Default			None
36	KICKER1	00000X	00000X				Yes	Default			None
37	Face1						Yes				None
38	FACE3						Yes				None
39	FACE2						Yes				None
40	43						Yes	** NA **			None
41	42						Yes	** NA **			None
42	37						Yes	** NA **			None
43	36						Yes	** NA **			None
44	35						Yes	** NA **			None
45	34						Yes	** NA **			None
46	33						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ra...	Analysis ...	Inactive	Seismic...
47	32						Yes	** NA **			None
48	31						Yes	** NA **			None
49	30						Yes	** NA **			None
50	19						Yes	** NA **			None
51	18						Yes	** NA **			None
52	17						Yes	** NA **			None
53	16						Yes	** NA **			None
54	15						Yes	** NA **			None
55	14						Yes	** NA **			None
56	12						Yes	** NA **			None
57	11						Yes	** NA **			None
58	10						Yes	** NA **			None
59	9						Yes	** NA **			None
60	8						Yes	** NA **			None
61	7						Yes	** NA **			None
62	6						Yes	** NA **			None
63	5						Yes	** NA **			None
64	4						Yes	** NA **			None
65	3						Yes	** NA **			None
66	2						Yes	** NA **			None
67	1						Yes	** NA **			None
68	41						Yes	** NA **			None
69	40						Yes	** NA **			None
70	39						Yes	** NA **			None
71	38						Yes	** NA **			None
72	47						Yes	** NA **			None
73	46						Yes	** NA **			None
74	45						Yes	** NA **			None
75	44						Yes	** NA **			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (1E5 ...	Density[k/ft^3]	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,%]
1	MP ALPHA2	Y	-.201	6.083
2	MP ALPHA2	Y	-.201	1.917
3	MP BETA2	Y	-.126	6.083
4	MP BETA2	Y	-.126	1.917
5	MP GAMMA2	Y	-.126	6.083
6	MP GAMMA2	Y	-.126	1.917
7	MP ALPHA1	Y	-.091	5.875

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
8	MP ALPHA1	Y	-.091	2.125
9	MP BETA1	Y	-.048	5.875
10	MP BETA1	Y	-.048	2.125
11	MP GAMMA1	Y	-.048	5.875
12	MP GAMMA1	Y	-.048	2.125
13	MP ALPHA4	Y	-.087	6.083
14	MP ALPHA4	Y	-.087	1.917
15	MP BETA4	Y	-.077	6.083
16	MP BETA4	Y	-.077	1.917
17	MP GAMMA4	Y	-.077	6.083
18	MP GAMMA4	Y	-.077	1.917
19	MP ALPHA3	Y	-.266	6.083
20	MP ALPHA3	Y	-.266	1.917
21	MP BETA3	Y	-.135	6.083
22	MP BETA3	Y	-.135	1.917
23	MP GAMMA3	Y	-.135	6.083
24	MP GAMMA3	Y	-.135	1.917
25	MP ALPHA2	Y	-.111	4
26	MP BETA2	Y	-.063	4
27	MP GAMMA2	Y	-.063	4
28	MP ALPHA4	Y	-.107	4
29	MP BETA4	Y	-.076	4
30	MP GAMMA4	Y	-.076	4
31	MP ALPHA4	Y	-.017	4
32	MP BETA4	Y	-.016	4
33	MP GAMMA4	Y	-.016	4
34	MP ALPHA1	Y	-.008	4
35	MP BETA1	Y	-.012	4
36	MP GAMMA1	Y	-.012	4
37	MP ALPHA1	Y	-.062	4
38	MP BETA1	Y	-.053	4
39	MP GAMMA1	Y	-.053	4
40	MP ALPHA2	Y	-.045	4
41	MP BETA2	Y	-.051	4
42	MP ALPHA4	Y	-.108	4
43	MP BETA4	Y	-.076	4
44	MP GAMMA4	Y	-.076	4
45	MP ALPHA3	Y	-.072	4
46	MP BETA3	Y	-.049	4
47	MP GAMMA3	Y	-.049	4
48	MP ALPHA3	Y	-.072	4
49	MP BETA3	Y	-.049	4
50	MP GAMMA3	Y	-.049	4
51	MP ALPHA3	Y	-.072	4
52	MP BETA3	Y	-.049	4
53	MP GAMMA3	Y	-.049	4
54	MP ALPHA3	Y	-.05	4
55	MP BETA3	Y	-.031	4
56	MP GAMMA3	Y	-.031	4
57	MP GAMMA3	Y	-.049	4

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA2	Z	-.024	6.083
2	MP ALPHA2	Z	-.024	1.917
3	MP BETA2	Z	-.024	6.083

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
4	MP BETA2	Z	-.024	1.917
5	MP GAMMA2	Z	-.024	6.083
6	MP GAMMA2	Z	-.024	1.917
7	MP ALPHA1	Z	-.02	5.875
8	MP ALPHA1	Z	-.02	2.125
9	MP BETA1	Z	-.02	5.875
10	MP BETA1	Z	-.02	2.125
11	MP GAMMA1	Z	-.02	5.875
12	MP GAMMA1	Z	-.02	2.125
13	MP ALPHA4	Z	-.056	6.083
14	MP ALPHA4	Z	-.056	1.917
15	MP BETA4	Z	-.056	6.083
16	MP BETA4	Z	-.056	1.917
17	MP GAMMA4	Z	-.056	6.083
18	MP GAMMA4	Z	-.056	1.917
19	MP ALPHA3	Z	-.054	6.083
20	MP ALPHA3	Z	-.054	1.917
21	MP BETA3	Z	-.054	6.083
22	MP BETA3	Z	-.054	1.917
23	MP GAMMA3	Z	-.054	6.083
24	MP GAMMA3	Z	-.054	1.917
25	MP ALPHA2	Z	-.051	4
26	MP BETA2	Z	-.051	4
27	MP GAMMA2	Z	-.051	4
28	MP ALPHA4	Z	-.053	4
29	MP BETA4	Z	-.053	4
30	MP GAMMA4	Z	-.053	4
31	MP ALPHA4	Z	-.025	4
32	MP BETA4	Z	-.025	4
33	MP GAMMA4	Z	-.025	4
34	MP ALPHA1	Z	-.004	4
35	MP BETA1	Z	-.004	4
36	MP GAMMA1	Z	-.004	4
37	MP ALPHA1	Z	-.044	4
38	MP BETA1	Z	-.044	4
39	MP GAMMA1	Z	-.044	4
40	MP ALPHA2	Z	-.026	4
41	MP BETA2	Z	-.033	4
42	MP ALPHA4	Z	-.053	4
43	MP BETA4	Z	-.053	4
44	MP GAMMA4	Z	-.053	4
45	MP ALPHA3	Z	-.06	4
46	MP BETA3	Z	-.06	4
47	MP GAMMA3	Z	-.06	4
48	MP ALPHA3	Z	-.06	4
49	MP BETA3	Z	-.06	4
50	MP GAMMA3	Z	-.06	4
51	MP ALPHA3	Z	-.06	4
52	MP BETA3	Z	-.06	4
53	MP GAMMA3	Z	-.06	4
54	MP ALPHA3	Z	-.028	4
55	MP BETA3	Z	-.028	4
56	MP GAMMA3	Z	-.028	4
57	MP GAMMA3	Z	-.026	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
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Member Point Loads (BLC 4 : Wind Load (30)) (Continued)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.152	6.083
2	MP ALPHA2	Y	-.152	1.917
3	MP ALPHA2	X	-.088	6.083
4	MP ALPHA2	X	-.088	1.917
5	MP BETA2	Y	-.088	6.083
6	MP BETA2	Y	-.088	1.917
7	MP BETA2	X	-.051	6.083
8	MP BETA2	X	-.051	1.917
9	MP GAMMA2	Y	-.152	6.083
10	MP GAMMA2	Y	-.152	1.917
11	MP GAMMA2	X	-.088	6.083
12	MP GAMMA2	X	-.088	1.917
13	MP ALPHA1	Y	-.066	5.875
14	MP ALPHA1	Y	-.066	2.125
15	MP ALPHA1	X	-.038	5.875
16	MP ALPHA1	X	-.038	2.125
17	MP BETA1	Y	-.029	5.875
18	MP BETA1	Y	-.029	2.125
19	MP BETA1	X	-.017	5.875
20	MP BETA1	X	-.017	2.125
21	MP GAMMA1	Y	-.066	5.875
22	MP GAMMA1	Y	-.066	2.125
23	MP GAMMA1	X	-.038	5.875
24	MP GAMMA1	X	-.038	2.125
25	MP ALPHA4	Y	-.073	6.083
26	MP ALPHA4	Y	-.073	1.917
27	MP ALPHA4	X	-.042	6.083
28	MP ALPHA4	X	-.042	1.917
29	MP BETA4	Y	-.064	6.083
30	MP BETA4	Y	-.064	1.917
31	MP BETA4	X	-.037	6.083
32	MP BETA4	X	-.037	1.917
33	MP GAMMA4	Y	-.073	6.083
34	MP GAMMA4	Y	-.073	1.917
35	MP GAMMA4	X	-.042	6.083
36	MP GAMMA4	X	-.042	1.917
37	MP ALPHA3	Y	-.193	6.083
38	MP ALPHA3	Y	-.193	1.917
39	MP ALPHA3	X	-.111	6.083
40	MP ALPHA3	X	-.111	1.917
41	MP BETA3	Y	-.08	6.083
42	MP BETA3	Y	-.08	1.917
43	MP BETA3	X	-.046	6.083
44	MP BETA3	X	-.046	1.917
45	MP GAMMA3	Y	-.193	6.083
46	MP GAMMA3	Y	-.193	1.917
47	MP GAMMA3	X	-.111	6.083
48	MP GAMMA3	X	-.111	1.917
49	MP ALPHA2	Y	-.082	4
50	MP ALPHA2	X	-.047	4
51	MP BETA2	Y	-.04	4
52	MP BETA2	X	-.023	4
53	MP GAMMA2	Y	-.082	4
54	MP GAMMA2	X	-.047	4
55	MP ALPHA4	Y	-.084	4
56	MP ALPHA4	X	-.048	4
57	MP BETA4	Y	-.057	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	-.033	4
59	MP GAMMA4	Y	-.084	4
60	MP GAMMA4	X	-.048	4
61	MP ALPHA4	Y	-.015	4
62	MP ALPHA4	X	-.008	4
63	MP BETA4	Y	-.014	4
64	MP BETA4	X	-.008	4
65	MP GAMMA4	Y	-.015	4
66	MP GAMMA4	X	-.008	4
67	MP ALPHA1	Y	-.008	4
68	MP ALPHA1	X	-.005	4
69	MP BETA1	Y	-.012	4
70	MP BETA1	X	-.007	4
71	MP GAMMA1	Y	-.008	4
72	MP GAMMA1	X	-.005	4
73	MP ALPHA1	Y	-.051	4
74	MP ALPHA1	X	-.03	4
75	MP BETA1	Y	-.044	4
76	MP BETA1	X	-.025	4
77	MP GAMMA1	Y	-.051	4
78	MP GAMMA1	X	-.03	4
79	MP ALPHA2	Y	-.04	4
80	MP ALPHA2	X	-.023	4
81	MP BETA2	Y	-.046	4
82	MP BETA2	X	-.026	4
83	MP ALPHA4	Y	-.084	4
84	MP ALPHA4	X	-.049	4
85	MP BETA4	Y	-.057	4
86	MP BETA4	X	-.033	4
87	MP GAMMA4	Y	-.084	4
88	MP GAMMA4	X	-.049	4
89	MP ALPHA3	Y	-.056	4
90	MP ALPHA3	X	-.032	4
91	MP BETA3	Y	-.036	4
92	MP BETA3	X	-.021	4
93	MP GAMMA3	Y	-.056	4
94	MP GAMMA3	X	-.032	4
95	MP ALPHA3	Y	-.056	4
96	MP ALPHA3	X	-.032	4
97	MP BETA3	Y	-.036	4
98	MP BETA3	X	-.021	4
99	MP GAMMA3	Y	-.056	4
100	MP GAMMA3	X	-.032	4
101	MP ALPHA3	Y	-.056	4
102	MP ALPHA3	X	-.032	4
103	MP BETA3	Y	-.036	4
104	MP BETA3	X	-.021	4
105	MP GAMMA3	Y	-.056	4
106	MP GAMMA3	X	-.032	4
107	MP ALPHA3	Y	-.038	4
108	MP ALPHA3	X	-.022	4
109	MP BETA3	Y	-.022	4
110	MP BETA3	X	-.013	4
111	MP GAMMA3	Y	-.038	4
112	MP GAMMA3	X	-.022	4
113	MP GAMMA3	Y	-.04	4
114	MP GAMMA3	X	-.023	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.063	6.083
2	MP ALPHA2	Y	-.063	1.917
3	MP ALPHA2	X	-.109	6.083
4	MP ALPHA2	X	-.109	1.917
5	MP BETA2	Y	-.063	6.083
6	MP BETA2	Y	-.063	1.917
7	MP BETA2	X	-.109	6.083
8	MP BETA2	X	-.109	1.917
9	MP GAMMA2	Y	-.1	6.083
10	MP GAMMA2	Y	-.1	1.917
11	MP GAMMA2	X	-.174	6.083
12	MP GAMMA2	X	-.174	1.917
13	MP ALPHA1	Y	-.024	5.875
14	MP ALPHA1	Y	-.024	2.125
15	MP ALPHA1	X	-.041	5.875
16	MP ALPHA1	X	-.041	2.125
17	MP BETA1	Y	-.024	5.875
18	MP BETA1	Y	-.024	2.125
19	MP BETA1	X	-.041	5.875
20	MP BETA1	X	-.041	2.125
21	MP GAMMA1	Y	-.046	5.875
22	MP GAMMA1	Y	-.046	2.125
23	MP GAMMA1	X	-.079	5.875
24	MP GAMMA1	X	-.079	2.125
25	MP ALPHA4	Y	-.038	6.083
26	MP ALPHA4	Y	-.038	1.917
27	MP ALPHA4	X	-.067	6.083
28	MP ALPHA4	X	-.067	1.917
29	MP BETA4	Y	-.038	6.083
30	MP BETA4	Y	-.038	1.917
31	MP BETA4	X	-.067	6.083
32	MP BETA4	X	-.067	1.917
33	MP GAMMA4	Y	-.044	6.083
34	MP GAMMA4	Y	-.044	1.917
35	MP GAMMA4	X	-.076	6.083
36	MP GAMMA4	X	-.076	1.917
37	MP ALPHA3	Y	-.068	6.083
38	MP ALPHA3	Y	-.068	1.917
39	MP ALPHA3	X	-.117	6.083
40	MP ALPHA3	X	-.117	1.917
41	MP BETA3	Y	-.068	6.083
42	MP BETA3	Y	-.068	1.917
43	MP BETA3	X	-.117	6.083
44	MP BETA3	X	-.117	1.917
45	MP GAMMA3	Y	-.133	6.083
46	MP GAMMA3	Y	-.133	1.917
47	MP GAMMA3	X	-.231	6.083
48	MP GAMMA3	X	-.231	1.917
49	MP ALPHA2	Y	-.031	4
50	MP ALPHA2	X	-.054	4
51	MP BETA2	Y	-.031	4
52	MP BETA2	X	-.054	4
53	MP GAMMA2	Y	-.056	4
54	MP GAMMA2	X	-.096	4
55	MP ALPHA4	Y	-.038	4
56	MP ALPHA4	X	-.066	4
57	MP BETA4	Y	-.038	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	-.066	4
59	MP GAMMA4	Y	-.054	4
60	MP GAMMA4	X	-.093	4
61	MP ALPHA4	Y	-.008	4
62	MP ALPHA4	X	-.014	4
63	MP BETA4	Y	-.008	4
64	MP BETA4	X	-.014	4
65	MP GAMMA4	Y	-.008	4
66	MP GAMMA4	X	-.015	4
67	MP ALPHA1	Y	-.006	4
68	MP ALPHA1	X	-.011	4
69	MP BETA1	Y	-.006	4
70	MP BETA1	X	-.011	4
71	MP GAMMA1	Y	-.004	4
72	MP GAMMA1	X	-.007	4
73	MP ALPHA1	Y	-.027	4
74	MP ALPHA1	X	-.046	4
75	MP BETA1	Y	-.027	4
76	MP BETA1	X	-.046	4
77	MP GAMMA1	Y	-.031	4
78	MP GAMMA1	X	-.054	4
79	MP ALPHA2	Y	-.024	4
80	MP ALPHA2	X	-.042	4
81	MP BETA2	Y	-.026	4
82	MP BETA2	X	-.045	4
83	MP ALPHA4	Y	-.038	4
84	MP ALPHA4	X	-.066	4
85	MP BETA4	Y	-.038	4
86	MP BETA4	X	-.066	4
87	MP GAMMA4	Y	-.054	4
88	MP GAMMA4	X	-.093	4
89	MP ALPHA3	Y	-.025	4
90	MP ALPHA3	X	-.043	4
91	MP BETA3	Y	-.025	4
92	MP BETA3	X	-.043	4
93	MP GAMMA3	Y	-.036	4
94	MP GAMMA3	X	-.063	4
95	MP ALPHA3	Y	-.025	4
96	MP ALPHA3	X	-.043	4
97	MP BETA3	Y	-.025	4
98	MP BETA3	X	-.043	4
99	MP GAMMA3	Y	-.036	4
100	MP GAMMA3	X	-.063	4
101	MP ALPHA3	Y	-.025	4
102	MP ALPHA3	X	-.043	4
103	MP BETA3	Y	-.025	4
104	MP BETA3	X	-.043	4
105	MP GAMMA3	Y	-.036	4
106	MP GAMMA3	X	-.063	4
107	MP ALPHA3	Y	-.016	4
108	MP ALPHA3	X	-.027	4
109	MP BETA3	Y	-.016	4
110	MP BETA3	X	-.027	4
111	MP GAMMA3	Y	-.025	4
112	MP GAMMA3	X	-.043	4
113	MP GAMMA3	Y	-.022	4
114	MP GAMMA3	X	-.039	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	X	-.101	6.083
2	MP ALPHA2	X	-.101	1.917
3	MP BETA2	X	-.176	6.083
4	MP BETA2	X	-.176	1.917
5	MP GAMMA2	X	-.176	6.083
6	MP GAMMA2	X	-.176	1.917
7	MP ALPHA1	X	-.033	5.875
8	MP ALPHA1	X	-.033	2.125
9	MP BETA1	X	-.077	5.875
10	MP BETA1	X	-.077	2.125
11	MP GAMMA1	X	-.077	5.875
12	MP GAMMA1	X	-.077	2.125
13	MP ALPHA4	X	-.073	6.083
14	MP ALPHA4	X	-.073	1.917
15	MP BETA4	X	-.084	6.083
16	MP BETA4	X	-.084	1.917
17	MP GAMMA4	X	-.084	6.083
18	MP GAMMA4	X	-.084	1.917
19	MP ALPHA3	X	-.092	6.083
20	MP ALPHA3	X	-.092	1.917
21	MP BETA3	X	-.223	6.083
22	MP BETA3	X	-.223	1.917
23	MP GAMMA3	X	-.223	6.083
24	MP GAMMA3	X	-.223	1.917
25	MP ALPHA2	X	-.046	4
26	MP BETA2	X	-.095	4
27	MP GAMMA2	X	-.095	4
28	MP ALPHA4	X	-.065	4
29	MP BETA4	X	-.097	4
30	MP GAMMA4	X	-.097	4
31	MP ALPHA4	X	-.016	4
32	MP BETA4	X	-.017	4
33	MP GAMMA4	X	-.017	4
34	MP ALPHA1	X	-.014	4
35	MP BETA1	X	-.009	4
36	MP GAMMA1	X	-.009	4
37	MP ALPHA1	X	-.05	4
38	MP BETA1	X	-.059	4
39	MP GAMMA1	X	-.059	4
40	MP ALPHA2	X	-.05	4
41	MP BETA2	X	-.049	4
42	MP ALPHA4	X	-.065	4
43	MP BETA4	X	-.097	4
44	MP GAMMA4	X	-.097	4
45	MP ALPHA3	X	-.042	4
46	MP BETA3	X	-.065	4
47	MP GAMMA3	X	-.065	4
48	MP ALPHA3	X	-.042	4
49	MP BETA3	X	-.065	4
50	MP GAMMA3	X	-.065	4
51	MP ALPHA3	X	-.042	4
52	MP BETA3	X	-.065	4
53	MP GAMMA3	X	-.065	4
54	MP ALPHA3	X	-.025	4
55	MP BETA3	X	-.044	4
56	MP GAMMA3	X	-.044	4
57	MP GAMMA3	X	-.046	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.063	6.083
2	MP ALPHA2	Y	.063	1.917
3	MP ALPHA2	X	-.109	6.083
4	MP ALPHA2	X	-.109	1.917
5	MP BETA2	Y	.1	6.083
6	MP BETA2	Y	.1	1.917
7	MP BETA2	X	-.174	6.083
8	MP BETA2	X	-.174	1.917
9	MP GAMMA2	Y	.063	6.083
10	MP GAMMA2	Y	.063	1.917
11	MP GAMMA2	X	-.109	6.083
12	MP GAMMA2	X	-.109	1.917
13	MP ALPHA1	Y	.024	5.875
14	MP ALPHA1	Y	.024	2.125
15	MP ALPHA1	X	-.041	5.875
16	MP ALPHA1	X	-.041	2.125
17	MP BETA1	Y	.046	5.875
18	MP BETA1	Y	.046	2.125
19	MP BETA1	X	-.079	5.875
20	MP BETA1	X	-.079	2.125
21	MP GAMMA1	Y	.024	5.875
22	MP GAMMA1	Y	.024	2.125
23	MP GAMMA1	X	-.041	5.875
24	MP GAMMA1	X	-.041	2.125
25	MP ALPHA4	Y	.038	6.083
26	MP ALPHA4	Y	.038	1.917
27	MP ALPHA4	X	-.067	6.083
28	MP ALPHA4	X	-.067	1.917
29	MP BETA4	Y	.044	6.083
30	MP BETA4	Y	.044	1.917
31	MP BETA4	X	-.076	6.083
32	MP BETA4	X	-.076	1.917
33	MP GAMMA4	Y	.038	6.083
34	MP GAMMA4	Y	.038	1.917
35	MP GAMMA4	X	-.067	6.083
36	MP GAMMA4	X	-.067	1.917
37	MP ALPHA3	Y	.068	6.083
38	MP ALPHA3	Y	.068	1.917
39	MP ALPHA3	X	-.117	6.083
40	MP ALPHA3	X	-.117	1.917
41	MP BETA3	Y	.133	6.083
42	MP BETA3	Y	.133	1.917
43	MP BETA3	X	-.231	6.083
44	MP BETA3	X	-.231	1.917
45	MP GAMMA3	Y	.068	6.083
46	MP GAMMA3	Y	.068	1.917
47	MP GAMMA3	X	-.117	6.083
48	MP GAMMA3	X	-.117	1.917
49	MP ALPHA2	Y	.031	4
50	MP ALPHA2	X	-.054	4
51	MP BETA2	Y	.056	4
52	MP BETA2	X	-.096	4
53	MP GAMMA2	Y	.031	4
54	MP GAMMA2	X	-.054	4
55	MP ALPHA4	Y	.038	4
56	MP ALPHA4	X	-.066	4
57	MP BETA4	Y	.054	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	-.093	4
59	MP GAMMA4	Y	.038	4
60	MP GAMMA4	X	-.066	4
61	MP ALPHA4	Y	.008	4
62	MP ALPHA4	X	-.014	4
63	MP BETA4	Y	.008	4
64	MP BETA4	X	-.015	4
65	MP GAMMA4	Y	.008	4
66	MP GAMMA4	X	-.014	4
67	MP ALPHA1	Y	.006	4
68	MP ALPHA1	X	-.011	4
69	MP BETA1	Y	.004	4
70	MP BETA1	X	-.007	4
71	MP GAMMA1	Y	.006	4
72	MP GAMMA1	X	-.011	4
73	MP ALPHA1	Y	.027	4
74	MP ALPHA1	X	-.046	4
75	MP BETA1	Y	.031	4
76	MP BETA1	X	-.054	4
77	MP GAMMA1	Y	.027	4
78	MP GAMMA1	X	-.046	4
79	MP ALPHA2	Y	.024	4
80	MP ALPHA2	X	-.042	4
81	MP BETA2	Y	.024	4
82	MP BETA2	X	-.041	4
83	MP ALPHA4	Y	.038	4
84	MP ALPHA4	X	-.066	4
85	MP BETA4	Y	.054	4
86	MP BETA4	X	-.093	4
87	MP GAMMA4	Y	.038	4
88	MP GAMMA4	X	-.066	4
89	MP ALPHA3	Y	.025	4
90	MP ALPHA3	X	-.043	4
91	MP BETA3	Y	.036	4
92	MP BETA3	X	-.063	4
93	MP GAMMA3	Y	.025	4
94	MP GAMMA3	X	-.043	4
95	MP ALPHA3	Y	.025	4
96	MP ALPHA3	X	-.043	4
97	MP BETA3	Y	.036	4
98	MP BETA3	X	-.063	4
99	MP GAMMA3	Y	.025	4
100	MP GAMMA3	X	-.043	4
101	MP ALPHA3	Y	.025	4
102	MP ALPHA3	X	-.043	4
103	MP BETA3	Y	.036	4
104	MP BETA3	X	-.063	4
105	MP GAMMA3	Y	.025	4
106	MP GAMMA3	X	-.043	4
107	MP ALPHA3	Y	.016	4
108	MP ALPHA3	X	-.027	4
109	MP BETA3	Y	.025	4
110	MP BETA3	X	-.043	4
111	MP GAMMA3	Y	.016	4
112	MP GAMMA3	X	-.027	4
113	MP GAMMA3	Y	.024	4
114	MP GAMMA3	X	-.042	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.152	6.083
2	MP ALPHA2	Y	.152	1.917
3	MP ALPHA2	X	-.088	6.083
4	MP ALPHA2	X	-.088	1.917
5	MP BETA2	Y	.152	6.083
6	MP BETA2	Y	.152	1.917
7	MP BETA2	X	-.088	6.083
8	MP BETA2	X	-.088	1.917
9	MP GAMMA2	Y	.088	6.083
10	MP GAMMA2	Y	.088	1.917
11	MP GAMMA2	X	-.051	6.083
12	MP GAMMA2	X	-.051	1.917
13	MP ALPHA1	Y	.066	5.875
14	MP ALPHA1	Y	.066	2.125
15	MP ALPHA1	X	-.038	5.875
16	MP ALPHA1	X	-.038	2.125
17	MP BETA1	Y	.066	5.875
18	MP BETA1	Y	.066	2.125
19	MP BETA1	X	-.038	5.875
20	MP BETA1	X	-.038	2.125
21	MP GAMMA1	Y	.029	5.875
22	MP GAMMA1	Y	.029	2.125
23	MP GAMMA1	X	-.017	5.875
24	MP GAMMA1	X	-.017	2.125
25	MP ALPHA4	Y	.073	6.083
26	MP ALPHA4	Y	.073	1.917
27	MP ALPHA4	X	-.042	6.083
28	MP ALPHA4	X	-.042	1.917
29	MP BETA4	Y	.073	6.083
30	MP BETA4	Y	.073	1.917
31	MP BETA4	X	-.042	6.083
32	MP BETA4	X	-.042	1.917
33	MP GAMMA4	Y	.064	6.083
34	MP GAMMA4	Y	.064	1.917
35	MP GAMMA4	X	-.037	6.083
36	MP GAMMA4	X	-.037	1.917
37	MP ALPHA3	Y	.193	6.083
38	MP ALPHA3	Y	.193	1.917
39	MP ALPHA3	X	-.111	6.083
40	MP ALPHA3	X	-.111	1.917
41	MP BETA3	Y	.193	6.083
42	MP BETA3	Y	.193	1.917
43	MP BETA3	X	-.111	6.083
44	MP BETA3	X	-.111	1.917
45	MP GAMMA3	Y	.08	6.083
46	MP GAMMA3	Y	.08	1.917
47	MP GAMMA3	X	-.046	6.083
48	MP GAMMA3	X	-.046	1.917
49	MP ALPHA2	Y	.082	4
50	MP ALPHA2	X	-.047	4
51	MP BETA2	Y	.082	4
52	MP BETA2	X	-.047	4
53	MP GAMMA2	Y	.04	4
54	MP GAMMA2	X	-.023	4
55	MP ALPHA4	Y	.084	4
56	MP ALPHA4	X	-.048	4
57	MP BETA4	Y	.084	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	-.048	4
59	MP GAMMA4	Y	.057	4
60	MP GAMMA4	X	-.033	4
61	MP ALPHA4	Y	.015	4
62	MP ALPHA4	X	-.008	4
63	MP BETA4	Y	.015	4
64	MP BETA4	X	-.008	4
65	MP GAMMA4	Y	.014	4
66	MP GAMMA4	X	-.008	4
67	MP ALPHA1	Y	.008	4
68	MP ALPHA1	X	-.005	4
69	MP BETA1	Y	.008	4
70	MP BETA1	X	-.005	4
71	MP GAMMA1	Y	.012	4
72	MP GAMMA1	X	-.007	4
73	MP ALPHA1	Y	.051	4
74	MP ALPHA1	X	-.03	4
75	MP BETA1	Y	.051	4
76	MP BETA1	X	-.03	4
77	MP GAMMA1	Y	.044	4
78	MP GAMMA1	X	-.025	4
79	MP ALPHA2	Y	.04	4
80	MP ALPHA2	X	-.023	4
81	MP BETA2	Y	.042	4
82	MP BETA2	X	-.024	4
83	MP ALPHA4	Y	.084	4
84	MP ALPHA4	X	-.049	4
85	MP BETA4	Y	.084	4
86	MP BETA4	X	-.049	4
87	MP GAMMA4	Y	.057	4
88	MP GAMMA4	X	-.033	4
89	MP ALPHA3	Y	.056	4
90	MP ALPHA3	X	-.032	4
91	MP BETA3	Y	.056	4
92	MP BETA3	X	-.032	4
93	MP GAMMA3	Y	.036	4
94	MP GAMMA3	X	-.021	4
95	MP ALPHA3	Y	.056	4
96	MP ALPHA3	X	-.032	4
97	MP BETA3	Y	.056	4
98	MP BETA3	X	-.032	4
99	MP GAMMA3	Y	.036	4
100	MP GAMMA3	X	-.021	4
101	MP ALPHA3	Y	.056	4
102	MP ALPHA3	X	-.032	4
103	MP BETA3	Y	.056	4
104	MP BETA3	X	-.032	4
105	MP GAMMA3	Y	.036	4
106	MP GAMMA3	X	-.021	4
107	MP ALPHA3	Y	.038	4
108	MP ALPHA3	X	-.022	4
109	MP BETA3	Y	.038	4
110	MP BETA3	X	-.022	4
111	MP GAMMA3	Y	.022	4
112	MP GAMMA3	X	-.013	4
113	MP GAMMA3	Y	.043	4
114	MP GAMMA3	X	-.025	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.201	6.083
2	MP ALPHA2	Y	.201	1.917
3	MP BETA2	Y	.126	6.083
4	MP BETA2	Y	.126	1.917
5	MP GAMMA2	Y	.126	6.083
6	MP GAMMA2	Y	.126	1.917
7	MP ALPHA1	Y	.091	5.875
8	MP ALPHA1	Y	.091	2.125
9	MP BETA1	Y	.048	5.875
10	MP BETA1	Y	.048	2.125
11	MP GAMMA1	Y	.048	5.875
12	MP GAMMA1	Y	.048	2.125
13	MP ALPHA4	Y	.087	6.083
14	MP ALPHA4	Y	.087	1.917
15	MP BETA4	Y	.077	6.083
16	MP BETA4	Y	.077	1.917
17	MP GAMMA4	Y	.077	6.083
18	MP GAMMA4	Y	.077	1.917
19	MP ALPHA3	Y	.266	6.083
20	MP ALPHA3	Y	.266	1.917
21	MP BETA3	Y	.135	6.083
22	MP BETA3	Y	.135	1.917
23	MP GAMMA3	Y	.135	6.083
24	MP GAMMA3	Y	.135	1.917
25	MP ALPHA2	Y	.111	4
26	MP BETA2	Y	.063	4
27	MP GAMMA2	Y	.063	4
28	MP ALPHA4	Y	.107	4
29	MP BETA4	Y	.076	4
30	MP GAMMA4	Y	.076	4
31	MP ALPHA4	Y	.017	4
32	MP BETA4	Y	.016	4
33	MP GAMMA4	Y	.016	4
34	MP ALPHA1	Y	.008	4
35	MP BETA1	Y	.012	4
36	MP GAMMA1	Y	.012	4
37	MP ALPHA1	Y	.062	4
38	MP BETA1	Y	.053	4
39	MP GAMMA1	Y	.053	4
40	MP ALPHA2	Y	.045	4
41	MP BETA2	Y	.051	4
42	MP ALPHA4	Y	.108	4
43	MP BETA4	Y	.076	4
44	MP GAMMA4	Y	.076	4
45	MP ALPHA3	Y	.072	4
46	MP BETA3	Y	.049	4
47	MP GAMMA3	Y	.049	4
48	MP ALPHA3	Y	.072	4
49	MP BETA3	Y	.049	4
50	MP GAMMA3	Y	.049	4
51	MP ALPHA3	Y	.072	4
52	MP BETA3	Y	.049	4
53	MP GAMMA3	Y	.049	4
54	MP ALPHA3	Y	.05	4
55	MP BETA3	Y	.031	4
56	MP GAMMA3	Y	.031	4
57	MP GAMMA3	Y	.049	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.152	6.083
2	MP ALPHA2	Y	.152	1.917
3	MP ALPHA2	X	.088	6.083
4	MP ALPHA2	X	.088	1.917
5	MP BETA2	Y	.088	6.083
6	MP BETA2	Y	.088	1.917
7	MP BETA2	X	.051	6.083
8	MP BETA2	X	.051	1.917
9	MP GAMMA2	Y	.152	6.083
10	MP GAMMA2	Y	.152	1.917
11	MP GAMMA2	X	.088	6.083
12	MP GAMMA2	X	.088	1.917
13	MP ALPHA1	Y	.066	5.875
14	MP ALPHA1	Y	.066	2.125
15	MP ALPHA1	X	.038	5.875
16	MP ALPHA1	X	.038	2.125
17	MP BETA1	Y	.029	5.875
18	MP BETA1	Y	.029	2.125
19	MP BETA1	X	.017	5.875
20	MP BETA1	X	.017	2.125
21	MP GAMMA1	Y	.066	5.875
22	MP GAMMA1	Y	.066	2.125
23	MP GAMMA1	X	.038	5.875
24	MP GAMMA1	X	.038	2.125
25	MP ALPHA4	Y	.073	6.083
26	MP ALPHA4	Y	.073	1.917
27	MP ALPHA4	X	.042	6.083
28	MP ALPHA4	X	.042	1.917
29	MP BETA4	Y	.064	6.083
30	MP BETA4	Y	.064	1.917
31	MP BETA4	X	.037	6.083
32	MP BETA4	X	.037	1.917
33	MP GAMMA4	Y	.073	6.083
34	MP GAMMA4	Y	.073	1.917
35	MP GAMMA4	X	.042	6.083
36	MP GAMMA4	X	.042	1.917
37	MP ALPHA3	Y	.193	6.083
38	MP ALPHA3	Y	.193	1.917
39	MP ALPHA3	X	.111	6.083
40	MP ALPHA3	X	.111	1.917
41	MP BETA3	Y	.08	6.083
42	MP BETA3	Y	.08	1.917
43	MP BETA3	X	.046	6.083
44	MP BETA3	X	.046	1.917
45	MP GAMMA3	Y	.193	6.083
46	MP GAMMA3	Y	.193	1.917
47	MP GAMMA3	X	.111	6.083
48	MP GAMMA3	X	.111	1.917
49	MP ALPHA2	Y	.082	4
50	MP ALPHA2	X	.047	4
51	MP BETA2	Y	.04	4
52	MP BETA2	X	.023	4
53	MP GAMMA2	Y	.082	4
54	MP GAMMA2	X	.047	4
55	MP ALPHA4	Y	.084	4
56	MP ALPHA4	X	.048	4
57	MP BETA4	Y	.057	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	.033	4
59	MP GAMMA4	Y	.084	4
60	MP GAMMA4	X	.048	4
61	MP ALPHA4	Y	.015	4
62	MP ALPHA4	X	.008	4
63	MP BETA4	Y	.014	4
64	MP BETA4	X	.008	4
65	MP GAMMA4	Y	.015	4
66	MP GAMMA4	X	.008	4
67	MP ALPHA1	Y	.008	4
68	MP ALPHA1	X	.005	4
69	MP BETA1	Y	.012	4
70	MP BETA1	X	.007	4
71	MP GAMMA1	Y	.008	4
72	MP GAMMA1	X	.005	4
73	MP ALPHA1	Y	.051	4
74	MP ALPHA1	X	.03	4
75	MP BETA1	Y	.044	4
76	MP BETA1	X	.025	4
77	MP GAMMA1	Y	.051	4
78	MP GAMMA1	X	.03	4
79	MP ALPHA2	Y	.04	4
80	MP ALPHA2	X	.023	4
81	MP BETA2	Y	.046	4
82	MP BETA2	X	.026	4
83	MP ALPHA4	Y	.084	4
84	MP ALPHA4	X	.049	4
85	MP BETA4	Y	.057	4
86	MP BETA4	X	.033	4
87	MP GAMMA4	Y	.084	4
88	MP GAMMA4	X	.049	4
89	MP ALPHA3	Y	.056	4
90	MP ALPHA3	X	.032	4
91	MP BETA3	Y	.036	4
92	MP BETA3	X	.021	4
93	MP GAMMA3	Y	.056	4
94	MP GAMMA3	X	.032	4
95	MP ALPHA3	Y	.056	4
96	MP ALPHA3	X	.032	4
97	MP BETA3	Y	.036	4
98	MP BETA3	X	.021	4
99	MP GAMMA3	Y	.056	4
100	MP GAMMA3	X	.032	4
101	MP ALPHA3	Y	.056	4
102	MP ALPHA3	X	.032	4
103	MP BETA3	Y	.036	4
104	MP BETA3	X	.021	4
105	MP GAMMA3	Y	.056	4
106	MP GAMMA3	X	.032	4
107	MP ALPHA3	Y	.038	4
108	MP ALPHA3	X	.022	4
109	MP BETA3	Y	.022	4
110	MP BETA3	X	.013	4
111	MP GAMMA3	Y	.038	4
112	MP GAMMA3	X	.022	4
113	MP GAMMA3	Y	.04	4
114	MP GAMMA3	X	.023	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.063	6.083
2	MP ALPHA2	Y	.063	1.917
3	MP ALPHA2	X	.109	6.083
4	MP ALPHA2	X	.109	1.917
5	MP BETA2	Y	.063	6.083
6	MP BETA2	Y	.063	1.917
7	MP BETA2	X	.109	6.083
8	MP BETA2	X	.109	1.917
9	MP GAMMA2	Y	.1	6.083
10	MP GAMMA2	Y	.1	1.917
11	MP GAMMA2	X	.174	6.083
12	MP GAMMA2	X	.174	1.917
13	MP ALPHA1	Y	.024	5.875
14	MP ALPHA1	Y	.024	2.125
15	MP ALPHA1	X	.041	5.875
16	MP ALPHA1	X	.041	2.125
17	MP BETA1	Y	.024	5.875
18	MP BETA1	Y	.024	2.125
19	MP BETA1	X	.041	5.875
20	MP BETA1	X	.041	2.125
21	MP GAMMA1	Y	.046	5.875
22	MP GAMMA1	Y	.046	2.125
23	MP GAMMA1	X	.079	5.875
24	MP GAMMA1	X	.079	2.125
25	MP ALPHA4	Y	.038	6.083
26	MP ALPHA4	Y	.038	1.917
27	MP ALPHA4	X	.067	6.083
28	MP ALPHA4	X	.067	1.917
29	MP BETA4	Y	.038	6.083
30	MP BETA4	Y	.038	1.917
31	MP BETA4	X	.067	6.083
32	MP BETA4	X	.067	1.917
33	MP GAMMA4	Y	.044	6.083
34	MP GAMMA4	Y	.044	1.917
35	MP GAMMA4	X	.076	6.083
36	MP GAMMA4	X	.076	1.917
37	MP ALPHA3	Y	.068	6.083
38	MP ALPHA3	Y	.068	1.917
39	MP ALPHA3	X	.117	6.083
40	MP ALPHA3	X	.117	1.917
41	MP BETA3	Y	.068	6.083
42	MP BETA3	Y	.068	1.917
43	MP BETA3	X	.117	6.083
44	MP BETA3	X	.117	1.917
45	MP GAMMA3	Y	.133	6.083
46	MP GAMMA3	Y	.133	1.917
47	MP GAMMA3	X	.231	6.083
48	MP GAMMA3	X	.231	1.917
49	MP ALPHA2	Y	.031	4
50	MP ALPHA2	X	.054	4
51	MP BETA2	Y	.031	4
52	MP BETA2	X	.054	4
53	MP GAMMA2	Y	.056	4
54	MP GAMMA2	X	.096	4
55	MP ALPHA4	Y	.038	4
56	MP ALPHA4	X	.066	4
57	MP BETA4	Y	.038	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	.066	4
59	MP GAMMA4	Y	.054	4
60	MP GAMMA4	X	.093	4
61	MP ALPHA4	Y	.008	4
62	MP ALPHA4	X	.014	4
63	MP BETA4	Y	.008	4
64	MP BETA4	X	.014	4
65	MP GAMMA4	Y	.008	4
66	MP GAMMA4	X	.015	4
67	MP ALPHA1	Y	.006	4
68	MP ALPHA1	X	.011	4
69	MP BETA1	Y	.006	4
70	MP BETA1	X	.011	4
71	MP GAMMA1	Y	.004	4
72	MP GAMMA1	X	.007	4
73	MP ALPHA1	Y	.027	4
74	MP ALPHA1	X	.046	4
75	MP BETA1	Y	.027	4
76	MP BETA1	X	.046	4
77	MP GAMMA1	Y	.031	4
78	MP GAMMA1	X	.054	4
79	MP ALPHA2	Y	.024	4
80	MP ALPHA2	X	.042	4
81	MP BETA2	Y	.026	4
82	MP BETA2	X	.045	4
83	MP ALPHA4	Y	.038	4
84	MP ALPHA4	X	.066	4
85	MP BETA4	Y	.038	4
86	MP BETA4	X	.066	4
87	MP GAMMA4	Y	.054	4
88	MP GAMMA4	X	.093	4
89	MP ALPHA3	Y	.025	4
90	MP ALPHA3	X	.043	4
91	MP BETA3	Y	.025	4
92	MP BETA3	X	.043	4
93	MP GAMMA3	Y	.036	4
94	MP GAMMA3	X	.063	4
95	MP ALPHA3	Y	.025	4
96	MP ALPHA3	X	.043	4
97	MP BETA3	Y	.025	4
98	MP BETA3	X	.043	4
99	MP GAMMA3	Y	.036	4
100	MP GAMMA3	X	.063	4
101	MP ALPHA3	Y	.025	4
102	MP ALPHA3	X	.043	4
103	MP BETA3	Y	.025	4
104	MP BETA3	X	.043	4
105	MP GAMMA3	Y	.036	4
106	MP GAMMA3	X	.063	4
107	MP ALPHA3	Y	.016	4
108	MP ALPHA3	X	.027	4
109	MP BETA3	Y	.016	4
110	MP BETA3	X	.027	4
111	MP GAMMA3	Y	.025	4
112	MP GAMMA3	X	.043	4
113	MP GAMMA3	Y	.022	4
114	MP GAMMA3	X	.039	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	X	.101	6.083
2	MP ALPHA2	X	.101	1.917
3	MP BETA2	X	.176	6.083
4	MP BETA2	X	.176	1.917
5	MP GAMMA2	X	.176	6.083
6	MP GAMMA2	X	.176	1.917
7	MP ALPHA1	X	.033	5.875
8	MP ALPHA1	X	.033	2.125
9	MP BETA1	X	.077	5.875
10	MP BETA1	X	.077	2.125
11	MP GAMMA1	X	.077	5.875
12	MP GAMMA1	X	.077	2.125
13	MP ALPHA4	X	.073	6.083
14	MP ALPHA4	X	.073	1.917
15	MP BETA4	X	.084	6.083
16	MP BETA4	X	.084	1.917
17	MP GAMMA4	X	.084	6.083
18	MP GAMMA4	X	.084	1.917
19	MP ALPHA3	X	.092	6.083
20	MP ALPHA3	X	.092	1.917
21	MP BETA3	X	.223	6.083
22	MP BETA3	X	.223	1.917
23	MP GAMMA3	X	.223	6.083
24	MP GAMMA3	X	.223	1.917
25	MP ALPHA2	X	.046	4
26	MP BETA2	X	.095	4
27	MP GAMMA2	X	.095	4
28	MP ALPHA4	X	.065	4
29	MP BETA4	X	.097	4
30	MP GAMMA4	X	.097	4
31	MP ALPHA4	X	.016	4
32	MP BETA4	X	.017	4
33	MP GAMMA4	X	.017	4
34	MP ALPHA1	X	.014	4
35	MP BETA1	X	.009	4
36	MP GAMMA1	X	.009	4
37	MP ALPHA1	X	.05	4
38	MP BETA1	X	.059	4
39	MP GAMMA1	X	.059	4
40	MP ALPHA2	X	.05	4
41	MP BETA2	X	.049	4
42	MP ALPHA4	X	.065	4
43	MP BETA4	X	.097	4
44	MP GAMMA4	X	.097	4
45	MP ALPHA3	X	.042	4
46	MP BETA3	X	.065	4
47	MP GAMMA3	X	.065	4
48	MP ALPHA3	X	.042	4
49	MP BETA3	X	.065	4
50	MP GAMMA3	X	.065	4
51	MP ALPHA3	X	.042	4
52	MP BETA3	X	.065	4
53	MP GAMMA3	X	.065	4
54	MP ALPHA3	X	.025	4
55	MP BETA3	X	.044	4
56	MP GAMMA3	X	.044	4
57	MP GAMMA3	X	.046	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.063	6.083
2	MP ALPHA2	Y	-.063	1.917
3	MP ALPHA2	X	.109	6.083
4	MP ALPHA2	X	.109	1.917
5	MP BETA2	Y	-.1	6.083
6	MP BETA2	Y	-.1	1.917
7	MP BETA2	X	.174	6.083
8	MP BETA2	X	.174	1.917
9	MP GAMMA2	Y	-.063	6.083
10	MP GAMMA2	Y	-.063	1.917
11	MP GAMMA2	X	.109	6.083
12	MP GAMMA2	X	.109	1.917
13	MP ALPHA1	Y	-.024	5.875
14	MP ALPHA1	Y	-.024	2.125
15	MP ALPHA1	X	.041	5.875
16	MP ALPHA1	X	.041	2.125
17	MP BETA1	Y	-.046	5.875
18	MP BETA1	Y	-.046	2.125
19	MP BETA1	X	.079	5.875
20	MP BETA1	X	.079	2.125
21	MP GAMMA1	Y	-.024	5.875
22	MP GAMMA1	Y	-.024	2.125
23	MP GAMMA1	X	.041	5.875
24	MP GAMMA1	X	.041	2.125
25	MP ALPHA4	Y	-.038	6.083
26	MP ALPHA4	Y	-.038	1.917
27	MP ALPHA4	X	.067	6.083
28	MP ALPHA4	X	.067	1.917
29	MP BETA4	Y	-.044	6.083
30	MP BETA4	Y	-.044	1.917
31	MP BETA4	X	.076	6.083
32	MP BETA4	X	.076	1.917
33	MP GAMMA4	Y	-.038	6.083
34	MP GAMMA4	Y	-.038	1.917
35	MP GAMMA4	X	.067	6.083
36	MP GAMMA4	X	.067	1.917
37	MP ALPHA3	Y	-.068	6.083
38	MP ALPHA3	Y	-.068	1.917
39	MP ALPHA3	X	.117	6.083
40	MP ALPHA3	X	.117	1.917
41	MP BETA3	Y	-.133	6.083
42	MP BETA3	Y	-.133	1.917
43	MP BETA3	X	.231	6.083
44	MP BETA3	X	.231	1.917
45	MP GAMMA3	Y	-.068	6.083
46	MP GAMMA3	Y	-.068	1.917
47	MP GAMMA3	X	.117	6.083
48	MP GAMMA3	X	.117	1.917
49	MP ALPHA2	Y	-.031	4
50	MP ALPHA2	X	.054	4
51	MP BETA2	Y	-.056	4
52	MP BETA2	X	.096	4
53	MP GAMMA2	Y	-.031	4
54	MP GAMMA2	X	.054	4
55	MP ALPHA4	Y	-.038	4
56	MP ALPHA4	X	.066	4
57	MP BETA4	Y	-.054	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	.093	4
59	MP GAMMA4	Y	-.038	4
60	MP GAMMA4	X	.066	4
61	MP ALPHA4	Y	-.008	4
62	MP ALPHA4	X	.014	4
63	MP BETA4	Y	-.008	4
64	MP BETA4	X	.015	4
65	MP GAMMA4	Y	-.008	4
66	MP GAMMA4	X	.014	4
67	MP ALPHA1	Y	-.006	4
68	MP ALPHA1	X	.011	4
69	MP BETA1	Y	-.004	4
70	MP BETA1	X	.007	4
71	MP GAMMA1	Y	-.006	4
72	MP GAMMA1	X	.011	4
73	MP ALPHA1	Y	-.027	4
74	MP ALPHA1	X	.046	4
75	MP BETA1	Y	-.031	4
76	MP BETA1	X	.054	4
77	MP GAMMA1	Y	-.027	4
78	MP GAMMA1	X	.046	4
79	MP ALPHA2	Y	-.024	4
80	MP ALPHA2	X	.042	4
81	MP BETA2	Y	-.024	4
82	MP BETA2	X	.041	4
83	MP ALPHA4	Y	-.038	4
84	MP ALPHA4	X	.066	4
85	MP BETA4	Y	-.054	4
86	MP BETA4	X	.093	4
87	MP GAMMA4	Y	-.038	4
88	MP GAMMA4	X	.066	4
89	MP ALPHA3	Y	-.025	4
90	MP ALPHA3	X	.043	4
91	MP BETA3	Y	-.036	4
92	MP BETA3	X	.063	4
93	MP GAMMA3	Y	-.025	4
94	MP GAMMA3	X	.043	4
95	MP ALPHA3	Y	-.025	4
96	MP ALPHA3	X	.043	4
97	MP BETA3	Y	-.036	4
98	MP BETA3	X	.063	4
99	MP GAMMA3	Y	-.025	4
100	MP GAMMA3	X	.043	4
101	MP ALPHA3	Y	-.025	4
102	MP ALPHA3	X	.043	4
103	MP BETA3	Y	-.036	4
104	MP BETA3	X	.063	4
105	MP GAMMA3	Y	-.025	4
106	MP GAMMA3	X	.043	4
107	MP ALPHA3	Y	-.016	4
108	MP ALPHA3	X	.027	4
109	MP BETA3	Y	-.025	4
110	MP BETA3	X	.043	4
111	MP GAMMA3	Y	-.016	4
112	MP GAMMA3	X	.027	4
113	MP GAMMA3	Y	-.024	4
114	MP GAMMA3	X	.042	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.152	6.083
2	MP ALPHA2	Y	-.152	1.917
3	MP ALPHA2	X	.088	6.083
4	MP ALPHA2	X	.088	1.917
5	MP BETA2	Y	-.152	6.083
6	MP BETA2	Y	-.152	1.917
7	MP BETA2	X	.088	6.083
8	MP BETA2	X	.088	1.917
9	MP GAMMA2	Y	-.088	6.083
10	MP GAMMA2	Y	-.088	1.917
11	MP GAMMA2	X	.051	6.083
12	MP GAMMA2	X	.051	1.917
13	MP ALPHA1	Y	-.066	5.875
14	MP ALPHA1	Y	-.066	2.125
15	MP ALPHA1	X	.038	5.875
16	MP ALPHA1	X	.038	2.125
17	MP BETA1	Y	-.066	5.875
18	MP BETA1	Y	-.066	2.125
19	MP BETA1	X	.038	5.875
20	MP BETA1	X	.038	2.125
21	MP GAMMA1	Y	-.029	5.875
22	MP GAMMA1	Y	-.029	2.125
23	MP GAMMA1	X	.017	5.875
24	MP GAMMA1	X	.017	2.125
25	MP ALPHA4	Y	-.073	6.083
26	MP ALPHA4	Y	-.073	1.917
27	MP ALPHA4	X	.042	6.083
28	MP ALPHA4	X	.042	1.917
29	MP BETA4	Y	-.073	6.083
30	MP BETA4	Y	-.073	1.917
31	MP BETA4	X	.042	6.083
32	MP BETA4	X	.042	1.917
33	MP GAMMA4	Y	-.064	6.083
34	MP GAMMA4	Y	-.064	1.917
35	MP GAMMA4	X	.037	6.083
36	MP GAMMA4	X	.037	1.917
37	MP ALPHA3	Y	-.193	6.083
38	MP ALPHA3	Y	-.193	1.917
39	MP ALPHA3	X	.111	6.083
40	MP ALPHA3	X	.111	1.917
41	MP BETA3	Y	-.193	6.083
42	MP BETA3	Y	-.193	1.917
43	MP BETA3	X	.111	6.083
44	MP BETA3	X	.111	1.917
45	MP GAMMA3	Y	-.08	6.083
46	MP GAMMA3	Y	-.08	1.917
47	MP GAMMA3	X	.046	6.083
48	MP GAMMA3	X	.046	1.917
49	MP ALPHA2	Y	-.082	4
50	MP ALPHA2	X	.047	4
51	MP BETA2	Y	-.082	4
52	MP BETA2	X	.047	4
53	MP GAMMA2	Y	-.04	4
54	MP GAMMA2	X	.023	4
55	MP ALPHA4	Y	-.084	4
56	MP ALPHA4	X	.048	4
57	MP BETA4	Y	-.084	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	.048	4
59	MP GAMMA4	Y	-.057	4
60	MP GAMMA4	X	.033	4
61	MP ALPHA4	Y	-.015	4
62	MP ALPHA4	X	.008	4
63	MP BETA4	Y	-.015	4
64	MP BETA4	X	.008	4
65	MP GAMMA4	Y	-.014	4
66	MP GAMMA4	X	.008	4
67	MP ALPHA1	Y	-.008	4
68	MP ALPHA1	X	.005	4
69	MP BETA1	Y	-.008	4
70	MP BETA1	X	.005	4
71	MP GAMMA1	Y	-.012	4
72	MP GAMMA1	X	.007	4
73	MP ALPHA1	Y	-.051	4
74	MP ALPHA1	X	.03	4
75	MP BETA1	Y	-.051	4
76	MP BETA1	X	.03	4
77	MP GAMMA1	Y	-.044	4
78	MP GAMMA1	X	.025	4
79	MP ALPHA2	Y	-.04	4
80	MP ALPHA2	X	.023	4
81	MP BETA2	Y	-.042	4
82	MP BETA2	X	.024	4
83	MP ALPHA4	Y	-.084	4
84	MP ALPHA4	X	.049	4
85	MP BETA4	Y	-.084	4
86	MP BETA4	X	.049	4
87	MP GAMMA4	Y	-.057	4
88	MP GAMMA4	X	.033	4
89	MP ALPHA3	Y	-.056	4
90	MP ALPHA3	X	.032	4
91	MP BETA3	Y	-.056	4
92	MP BETA3	X	.032	4
93	MP GAMMA3	Y	-.036	4
94	MP GAMMA3	X	.021	4
95	MP ALPHA3	Y	-.056	4
96	MP ALPHA3	X	.032	4
97	MP BETA3	Y	-.056	4
98	MP BETA3	X	.032	4
99	MP GAMMA3	Y	-.036	4
100	MP GAMMA3	X	.021	4
101	MP ALPHA3	Y	-.056	4
102	MP ALPHA3	X	.032	4
103	MP BETA3	Y	-.056	4
104	MP BETA3	X	.032	4
105	MP GAMMA3	Y	-.036	4
106	MP GAMMA3	X	.021	4
107	MP ALPHA3	Y	-.038	4
108	MP ALPHA3	X	.022	4
109	MP BETA3	Y	-.038	4
110	MP BETA3	X	.022	4
111	MP GAMMA3	Y	-.022	4
112	MP GAMMA3	X	.013	4
113	MP GAMMA3	Y	-.043	4
114	MP GAMMA3	X	.025	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.013	6.083
2	MP ALPHA2	Y	-.013	1.917
3	MP BETA2	Y	-.008	6.083
4	MP BETA2	Y	-.008	1.917
5	MP GAMMA2	Y	-.008	6.083
6	MP GAMMA2	Y	-.008	1.917
7	MP ALPHA1	Y	-.006	5.875
8	MP ALPHA1	Y	-.006	2.125
9	MP BETA1	Y	-.003	5.875
10	MP BETA1	Y	-.003	2.125
11	MP GAMMA1	Y	-.003	5.875
12	MP GAMMA1	Y	-.003	2.125
13	MP ALPHA4	Y	-.006	6.083
14	MP ALPHA4	Y	-.006	1.917
15	MP BETA4	Y	-.005	6.083
16	MP BETA4	Y	-.005	1.917
17	MP GAMMA4	Y	-.005	6.083
18	MP GAMMA4	Y	-.005	1.917
19	MP ALPHA3	Y	-.018	6.083
20	MP ALPHA3	Y	-.018	1.917
21	MP BETA3	Y	-.009	6.083
22	MP BETA3	Y	-.009	1.917
23	MP GAMMA3	Y	-.009	6.083
24	MP GAMMA3	Y	-.009	1.917
25	MP ALPHA2	Y	-.007	4
26	MP BETA2	Y	-.004	4
27	MP GAMMA2	Y	-.004	4
28	MP ALPHA4	Y	-.007	4
29	MP BETA4	Y	-.005	4
30	MP GAMMA4	Y	-.005	4
31	MP ALPHA4	Y	-.001	4
32	MP BETA4	Y	-.001	4
33	MP GAMMA4	Y	-.001	4
34	MP ALPHA1	Y	-.000526	4
35	MP BETA1	Y	-.000808	4
36	MP GAMMA1	Y	-.000808	4
37	MP ALPHA1	Y	-.004	4
38	MP BETA1	Y	-.004	4
39	MP GAMMA1	Y	-.004	4
40	MP ALPHA2	Y	-.003	4
41	MP BETA2	Y	-.003	4
42	MP ALPHA4	Y	-.007	4
43	MP BETA4	Y	-.005	4
44	MP GAMMA4	Y	-.005	4
45	MP ALPHA3	Y	-.005	4
46	MP BETA3	Y	-.003	4
47	MP GAMMA3	Y	-.003	4
48	MP ALPHA3	Y	-.005	4
49	MP BETA3	Y	-.003	4
50	MP GAMMA3	Y	-.003	4
51	MP ALPHA3	Y	-.005	4
52	MP BETA3	Y	-.003	4
53	MP GAMMA3	Y	-.003	4
54	MP ALPHA3	Y	-.003	4
55	MP BETA3	Y	-.002	4
56	MP GAMMA3	Y	-.002	4
57	MP GAMMA3	Y	-.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.01	6.083
2	MP ALPHA2	Y	-.01	1.917
3	MP ALPHA2	X	-.006	6.083
4	MP ALPHA2	X	-.006	1.917
5	MP BETA2	Y	-.006	6.083
6	MP BETA2	Y	-.006	1.917
7	MP BETA2	X	-.003	6.083
8	MP BETA2	X	-.003	1.917
9	MP GAMMA2	Y	-.01	6.083
10	MP GAMMA2	Y	-.01	1.917
11	MP GAMMA2	X	-.006	6.083
12	MP GAMMA2	X	-.006	1.917
13	MP ALPHA1	Y	-.004	5.875
14	MP ALPHA1	Y	-.004	2.125
15	MP ALPHA1	X	-.003	5.875
16	MP ALPHA1	X	-.003	2.125
17	MP BETA1	Y	-.002	5.875
18	MP BETA1	Y	-.002	2.125
19	MP BETA1	X	-.001	5.875
20	MP BETA1	X	-.001	2.125
21	MP GAMMA1	Y	-.004	5.875
22	MP GAMMA1	Y	-.004	2.125
23	MP GAMMA1	X	-.003	5.875
24	MP GAMMA1	X	-.003	2.125
25	MP ALPHA4	Y	-.005	6.083
26	MP ALPHA4	Y	-.005	1.917
27	MP ALPHA4	X	-.003	6.083
28	MP ALPHA4	X	-.003	1.917
29	MP BETA4	Y	-.004	6.083
30	MP BETA4	Y	-.004	1.917
31	MP BETA4	X	-.002	6.083
32	MP BETA4	X	-.002	1.917
33	MP GAMMA4	Y	-.005	6.083
34	MP GAMMA4	Y	-.005	1.917
35	MP GAMMA4	X	-.003	6.083
36	MP GAMMA4	X	-.003	1.917
37	MP ALPHA3	Y	-.013	6.083
38	MP ALPHA3	Y	-.013	1.917
39	MP ALPHA3	X	-.007	6.083
40	MP ALPHA3	X	-.007	1.917
41	MP BETA3	Y	-.005	6.083
42	MP BETA3	Y	-.005	1.917
43	MP BETA3	X	-.003	6.083
44	MP BETA3	X	-.003	1.917
45	MP GAMMA3	Y	-.013	6.083
46	MP GAMMA3	Y	-.013	1.917
47	MP GAMMA3	X	-.007	6.083
48	MP GAMMA3	X	-.007	1.917
49	MP ALPHA2	Y	-.005	4
50	MP ALPHA2	X	-.003	4
51	MP BETA2	Y	-.003	4
52	MP BETA2	X	-.002	4
53	MP GAMMA2	Y	-.005	4
54	MP GAMMA2	X	-.003	4
55	MP ALPHA4	Y	-.006	4
56	MP ALPHA4	X	-.003	4
57	MP BETA4	Y	-.004	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	-.002	4
59	MP GAMMA4	Y	-.006	4
60	MP GAMMA4	X	-.003	4
61	MP ALPHA4	Y	-.000956	4
62	MP ALPHA4	X	-.000552	4
63	MP BETA4	Y	-.000923	4
64	MP BETA4	X	-.000533	4
65	MP GAMMA4	Y	-.000956	4
66	MP GAMMA4	X	-.000552	4
67	MP ALPHA1	Y	-.000537	4
68	MP ALPHA1	X	-.00031	4
69	MP BETA1	Y	-.000781	4
70	MP BETA1	X	-.000451	4
71	MP GAMMA1	Y	-.000537	4
72	MP GAMMA1	X	-.00031	4
73	MP ALPHA1	Y	-.003	4
74	MP ALPHA1	X	-.002	4
75	MP BETA1	Y	-.003	4
76	MP BETA1	X	-.002	4
77	MP GAMMA1	Y	-.003	4
78	MP GAMMA1	X	-.002	4
79	MP ALPHA2	Y	-.003	4
80	MP ALPHA2	X	-.002	4
81	MP BETA2	Y	-.003	4
82	MP BETA2	X	-.002	4
83	MP ALPHA4	Y	-.006	4
84	MP ALPHA4	X	-.003	4
85	MP BETA4	Y	-.004	4
86	MP BETA4	X	-.002	4
87	MP GAMMA4	Y	-.006	4
88	MP GAMMA4	X	-.003	4
89	MP ALPHA3	Y	-.004	4
90	MP ALPHA3	X	-.002	4
91	MP BETA3	Y	-.002	4
92	MP BETA3	X	-.001	4
93	MP GAMMA3	Y	-.004	4
94	MP GAMMA3	X	-.002	4
95	MP ALPHA3	Y	-.004	4
96	MP ALPHA3	X	-.002	4
97	MP BETA3	Y	-.002	4
98	MP BETA3	X	-.001	4
99	MP GAMMA3	Y	-.004	4
100	MP GAMMA3	X	-.002	4
101	MP ALPHA3	Y	-.004	4
102	MP ALPHA3	X	-.002	4
103	MP BETA3	Y	-.002	4
104	MP BETA3	X	-.001	4
105	MP GAMMA3	Y	-.004	4
106	MP GAMMA3	X	-.002	4
107	MP ALPHA3	Y	-.002	4
108	MP ALPHA3	X	-.001	4
109	MP BETA3	Y	-.001	4
110	MP BETA3	X	-.000826	4
111	MP GAMMA3	Y	-.002	4
112	MP GAMMA3	X	-.001	4
113	MP GAMMA3	Y	-.003	4
114	MP GAMMA3	X	-.002	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-0.004	6.083
2	MP ALPHA2	Y	-0.004	1.917
3	MP ALPHA2	X	-0.007	6.083
4	MP ALPHA2	X	-0.007	1.917
5	MP BETA2	Y	-0.004	6.083
6	MP BETA2	Y	-0.004	1.917
7	MP BETA2	X	-0.007	6.083
8	MP BETA2	X	-0.007	1.917
9	MP GAMMA2	Y	-0.007	6.083
10	MP GAMMA2	Y	-0.007	1.917
11	MP GAMMA2	X	-0.011	6.083
12	MP GAMMA2	X	-0.011	1.917
13	MP ALPHA1	Y	-0.002	5.875
14	MP ALPHA1	Y	-0.002	2.125
15	MP ALPHA1	X	-0.003	5.875
16	MP ALPHA1	X	-0.003	2.125
17	MP BETA1	Y	-0.002	5.875
18	MP BETA1	Y	-0.002	2.125
19	MP BETA1	X	-0.003	5.875
20	MP BETA1	X	-0.003	2.125
21	MP GAMMA1	Y	-0.003	5.875
22	MP GAMMA1	Y	-0.003	2.125
23	MP GAMMA1	X	-0.005	5.875
24	MP GAMMA1	X	-0.005	2.125
25	MP ALPHA4	Y	-0.003	6.083
26	MP ALPHA4	Y	-0.003	1.917
27	MP ALPHA4	X	-0.004	6.083
28	MP ALPHA4	X	-0.004	1.917
29	MP BETA4	Y	-0.003	6.083
30	MP BETA4	Y	-0.003	1.917
31	MP BETA4	X	-0.004	6.083
32	MP BETA4	X	-0.004	1.917
33	MP GAMMA4	Y	-0.003	6.083
34	MP GAMMA4	Y	-0.003	1.917
35	MP GAMMA4	X	-0.005	6.083
36	MP GAMMA4	X	-0.005	1.917
37	MP ALPHA3	Y	-0.004	6.083
38	MP ALPHA3	Y	-0.004	1.917
39	MP ALPHA3	X	-0.008	6.083
40	MP ALPHA3	X	-0.008	1.917
41	MP BETA3	Y	-0.004	6.083
42	MP BETA3	Y	-0.004	1.917
43	MP BETA3	X	-0.008	6.083
44	MP BETA3	X	-0.008	1.917
45	MP GAMMA3	Y	-0.009	6.083
46	MP GAMMA3	Y	-0.009	1.917
47	MP GAMMA3	X	-0.015	6.083
48	MP GAMMA3	X	-0.015	1.917
49	MP ALPHA2	Y	-0.002	4
50	MP ALPHA2	X	-0.004	4
51	MP BETA2	Y	-0.002	4
52	MP BETA2	X	-0.004	4
53	MP GAMMA2	Y	-0.004	4
54	MP GAMMA2	X	-0.006	4
55	MP ALPHA4	Y	-0.002	4
56	MP ALPHA4	X	-0.004	4
57	MP BETA4	Y	-0.002	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	-.004	4
59	MP GAMMA4	Y	-.004	4
60	MP GAMMA4	X	-.006	4
61	MP ALPHA4	Y	-.000539	4
62	MP ALPHA4	X	-.000934	4
63	MP BETA4	Y	-.000539	4
64	MP BETA4	X	-.000934	4
65	MP GAMMA4	Y	-.000559	4
66	MP GAMMA4	X	-.000967	4
67	MP ALPHA1	Y	-.000404	4
68	MP ALPHA1	X	-.0007	4
69	MP BETA1	Y	-.000404	4
70	MP BETA1	X	-.0007	4
71	MP GAMMA1	Y	-.000263	4
72	MP GAMMA1	X	-.000456	4
73	MP ALPHA1	Y	-.002	4
74	MP ALPHA1	X	-.003	4
75	MP BETA1	Y	-.002	4
76	MP BETA1	X	-.003	4
77	MP GAMMA1	Y	-.002	4
78	MP GAMMA1	X	-.004	4
79	MP ALPHA2	Y	-.002	4
80	MP ALPHA2	X	-.003	4
81	MP BETA2	Y	-.002	4
82	MP BETA2	X	-.003	4
83	MP ALPHA4	Y	-.002	4
84	MP ALPHA4	X	-.004	4
85	MP BETA4	Y	-.002	4
86	MP BETA4	X	-.004	4
87	MP GAMMA4	Y	-.004	4
88	MP GAMMA4	X	-.006	4
89	MP ALPHA3	Y	-.002	4
90	MP ALPHA3	X	-.003	4
91	MP BETA3	Y	-.002	4
92	MP BETA3	X	-.003	4
93	MP GAMMA3	Y	-.002	4
94	MP GAMMA3	X	-.004	4
95	MP ALPHA3	Y	-.002	4
96	MP ALPHA3	X	-.003	4
97	MP BETA3	Y	-.002	4
98	MP BETA3	X	-.003	4
99	MP GAMMA3	Y	-.002	4
100	MP GAMMA3	X	-.004	4
101	MP ALPHA3	Y	-.002	4
102	MP ALPHA3	X	-.003	4
103	MP BETA3	Y	-.002	4
104	MP BETA3	X	-.003	4
105	MP GAMMA3	Y	-.002	4
106	MP GAMMA3	X	-.004	4
107	MP ALPHA3	Y	-.001	4
108	MP ALPHA3	X	-.002	4
109	MP BETA3	Y	-.001	4
110	MP BETA3	X	-.002	4
111	MP GAMMA3	Y	-.002	4
112	MP GAMMA3	X	-.003	4
113	MP GAMMA3	Y	-.001	4
114	MP GAMMA3	X	-.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	X	-0.007	6.083
2	MP ALPHA2	X	-0.007	1.917
3	MP BETA2	X	-0.012	6.083
4	MP BETA2	X	-0.012	1.917
5	MP GAMMA2	X	-0.012	6.083
6	MP GAMMA2	X	-0.012	1.917
7	MP ALPHA1	X	-0.002	5.875
8	MP ALPHA1	X	-0.002	2.125
9	MP BETA1	X	-0.005	5.875
10	MP BETA1	X	-0.005	2.125
11	MP GAMMA1	X	-0.005	5.875
12	MP GAMMA1	X	-0.005	2.125
13	MP ALPHA4	X	-0.005	6.083
14	MP ALPHA4	X	-0.005	1.917
15	MP BETA4	X	-0.006	6.083
16	MP BETA4	X	-0.006	1.917
17	MP GAMMA4	X	-0.006	6.083
18	MP GAMMA4	X	-0.006	1.917
19	MP ALPHA3	X	-0.006	6.083
20	MP ALPHA3	X	-0.006	1.917
21	MP BETA3	X	-0.015	6.083
22	MP BETA3	X	-0.015	1.917
23	MP GAMMA3	X	-0.015	6.083
24	MP GAMMA3	X	-0.015	1.917
25	MP ALPHA2	X	-0.003	4
26	MP BETA2	X	-0.006	4
27	MP GAMMA2	X	-0.006	4
28	MP ALPHA4	X	-0.004	4
29	MP BETA4	X	-0.006	4
30	MP GAMMA4	X	-0.006	4
31	MP ALPHA4	X	-0.001	4
32	MP BETA4	X	-0.001	4
33	MP GAMMA4	X	-0.001	4
34	MP ALPHA1	X	-0.000902	4
35	MP BETA1	X	-0.00062	4
36	MP GAMMA1	X	-0.00062	4
37	MP ALPHA1	X	-0.003	4
38	MP BETA1	X	-0.004	4
39	MP GAMMA1	X	-0.004	4
40	MP ALPHA2	X	-0.003	4
41	MP BETA2	X	-0.003	4
42	MP ALPHA4	X	-0.004	4
43	MP BETA4	X	-0.006	4
44	MP GAMMA4	X	-0.006	4
45	MP ALPHA3	X	-0.003	4
46	MP BETA3	X	-0.004	4
47	MP GAMMA3	X	-0.004	4
48	MP ALPHA3	X	-0.003	4
49	MP BETA3	X	-0.004	4
50	MP GAMMA3	X	-0.004	4
51	MP ALPHA3	X	-0.003	4
52	MP BETA3	X	-0.004	4
53	MP GAMMA3	X	-0.004	4
54	MP ALPHA3	X	-0.002	4
55	MP BETA3	X	-0.003	4
56	MP GAMMA3	X	-0.003	4
57	MP GAMMA3	X	-0.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.004	6.083
2	MP ALPHA2	Y	.004	1.917
3	MP ALPHA2	X	-.007	6.083
4	MP ALPHA2	X	-.007	1.917
5	MP BETA2	Y	.007	6.083
6	MP BETA2	Y	.007	1.917
7	MP BETA2	X	-.011	6.083
8	MP BETA2	X	-.011	1.917
9	MP GAMMA2	Y	.004	6.083
10	MP GAMMA2	Y	.004	1.917
11	MP GAMMA2	X	-.007	6.083
12	MP GAMMA2	X	-.007	1.917
13	MP ALPHA1	Y	.002	5.875
14	MP ALPHA1	Y	.002	2.125
15	MP ALPHA1	X	-.003	5.875
16	MP ALPHA1	X	-.003	2.125
17	MP BETA1	Y	.003	5.875
18	MP BETA1	Y	.003	2.125
19	MP BETA1	X	-.005	5.875
20	MP BETA1	X	-.005	2.125
21	MP GAMMA1	Y	.002	5.875
22	MP GAMMA1	Y	.002	2.125
23	MP GAMMA1	X	-.003	5.875
24	MP GAMMA1	X	-.003	2.125
25	MP ALPHA4	Y	.003	6.083
26	MP ALPHA4	Y	.003	1.917
27	MP ALPHA4	X	-.004	6.083
28	MP ALPHA4	X	-.004	1.917
29	MP BETA4	Y	.003	6.083
30	MP BETA4	Y	.003	1.917
31	MP BETA4	X	-.005	6.083
32	MP BETA4	X	-.005	1.917
33	MP GAMMA4	Y	.003	6.083
34	MP GAMMA4	Y	.003	1.917
35	MP GAMMA4	X	-.004	6.083
36	MP GAMMA4	X	-.004	1.917
37	MP ALPHA3	Y	.004	6.083
38	MP ALPHA3	Y	.004	1.917
39	MP ALPHA3	X	-.008	6.083
40	MP ALPHA3	X	-.008	1.917
41	MP BETA3	Y	.009	6.083
42	MP BETA3	Y	.009	1.917
43	MP BETA3	X	-.015	6.083
44	MP BETA3	X	-.015	1.917
45	MP GAMMA3	Y	.004	6.083
46	MP GAMMA3	Y	.004	1.917
47	MP GAMMA3	X	-.008	6.083
48	MP GAMMA3	X	-.008	1.917
49	MP ALPHA2	Y	.002	4
50	MP ALPHA2	X	-.004	4
51	MP BETA2	Y	.004	4
52	MP BETA2	X	-.006	4
53	MP GAMMA2	Y	.002	4
54	MP GAMMA2	X	-.004	4
55	MP ALPHA4	Y	.002	4
56	MP ALPHA4	X	-.004	4
57	MP BETA4	Y	.004	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	-.006	4
59	MP GAMMA4	Y	.002	4
60	MP GAMMA4	X	-.004	4
61	MP ALPHA4	Y	.000539	4
62	MP ALPHA4	X	-.000934	4
63	MP BETA4	Y	.000559	4
64	MP BETA4	X	-.000967	4
65	MP GAMMA4	Y	.000539	4
66	MP GAMMA4	X	-.000934	4
67	MP ALPHA1	Y	.000404	4
68	MP ALPHA1	X	-.0007	4
69	MP BETA1	Y	.000263	4
70	MP BETA1	X	-.000456	4
71	MP GAMMA1	Y	.000404	4
72	MP GAMMA1	X	-.0007	4
73	MP ALPHA1	Y	.002	4
74	MP ALPHA1	X	-.003	4
75	MP BETA1	Y	.002	4
76	MP BETA1	X	-.004	4
77	MP GAMMA1	Y	.002	4
78	MP GAMMA1	X	-.003	4
79	MP ALPHA2	Y	.002	4
80	MP ALPHA2	X	-.003	4
81	MP BETA2	Y	.002	4
82	MP BETA2	X	-.003	4
83	MP ALPHA4	Y	.002	4
84	MP ALPHA4	X	-.004	4
85	MP BETA4	Y	.004	4
86	MP BETA4	X	-.006	4
87	MP GAMMA4	Y	.002	4
88	MP GAMMA4	X	-.004	4
89	MP ALPHA3	Y	.002	4
90	MP ALPHA3	X	-.003	4
91	MP BETA3	Y	.002	4
92	MP BETA3	X	-.004	4
93	MP GAMMA3	Y	.002	4
94	MP GAMMA3	X	-.003	4
95	MP ALPHA3	Y	.002	4
96	MP ALPHA3	X	-.003	4
97	MP BETA3	Y	.002	4
98	MP BETA3	X	-.004	4
99	MP GAMMA3	Y	.002	4
100	MP GAMMA3	X	-.003	4
101	MP ALPHA3	Y	.002	4
102	MP ALPHA3	X	-.003	4
103	MP BETA3	Y	.002	4
104	MP BETA3	X	-.004	4
105	MP GAMMA3	Y	.002	4
106	MP GAMMA3	X	-.003	4
107	MP ALPHA3	Y	.001	4
108	MP ALPHA3	X	-.002	4
109	MP BETA3	Y	.002	4
110	MP BETA3	X	-.003	4
111	MP GAMMA3	Y	.001	4
112	MP GAMMA3	X	-.002	4
113	MP GAMMA3	Y	.002	4
114	MP GAMMA3	X	-.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.01	6.083
2	MP ALPHA2	Y	.01	1.917
3	MP ALPHA2	X	-.006	6.083
4	MP ALPHA2	X	-.006	1.917
5	MP BETA2	Y	.01	6.083
6	MP BETA2	Y	.01	1.917
7	MP BETA2	X	-.006	6.083
8	MP BETA2	X	-.006	1.917
9	MP GAMMA2	Y	.006	6.083
10	MP GAMMA2	Y	.006	1.917
11	MP GAMMA2	X	-.003	6.083
12	MP GAMMA2	X	-.003	1.917
13	MP ALPHA1	Y	.004	5.875
14	MP ALPHA1	Y	.004	2.125
15	MP ALPHA1	X	-.003	5.875
16	MP ALPHA1	X	-.003	2.125
17	MP BETA1	Y	.004	5.875
18	MP BETA1	Y	.004	2.125
19	MP BETA1	X	-.003	5.875
20	MP BETA1	X	-.003	2.125
21	MP GAMMA1	Y	.002	5.875
22	MP GAMMA1	Y	.002	2.125
23	MP GAMMA1	X	-.001	5.875
24	MP GAMMA1	X	-.001	2.125
25	MP ALPHA4	Y	.005	6.083
26	MP ALPHA4	Y	.005	1.917
27	MP ALPHA4	X	-.003	6.083
28	MP ALPHA4	X	-.003	1.917
29	MP BETA4	Y	.005	6.083
30	MP BETA4	Y	.005	1.917
31	MP BETA4	X	-.003	6.083
32	MP BETA4	X	-.003	1.917
33	MP GAMMA4	Y	.004	6.083
34	MP GAMMA4	Y	.004	1.917
35	MP GAMMA4	X	-.002	6.083
36	MP GAMMA4	X	-.002	1.917
37	MP ALPHA3	Y	.013	6.083
38	MP ALPHA3	Y	.013	1.917
39	MP ALPHA3	X	-.007	6.083
40	MP ALPHA3	X	-.007	1.917
41	MP BETA3	Y	.013	6.083
42	MP BETA3	Y	.013	1.917
43	MP BETA3	X	-.007	6.083
44	MP BETA3	X	-.007	1.917
45	MP GAMMA3	Y	.005	6.083
46	MP GAMMA3	Y	.005	1.917
47	MP GAMMA3	X	-.003	6.083
48	MP GAMMA3	X	-.003	1.917
49	MP ALPHA2	Y	.005	4
50	MP ALPHA2	X	-.003	4
51	MP BETA2	Y	.005	4
52	MP BETA2	X	-.003	4
53	MP GAMMA2	Y	.003	4
54	MP GAMMA2	X	-.002	4
55	MP ALPHA4	Y	.006	4
56	MP ALPHA4	X	-.003	4
57	MP BETA4	Y	.006	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	-.003	4
59	MP GAMMA4	Y	.004	4
60	MP GAMMA4	X	-.002	4
61	MP ALPHA4	Y	.000956	4
62	MP ALPHA4	X	-.000552	4
63	MP BETA4	Y	.000956	4
64	MP BETA4	X	-.000552	4
65	MP GAMMA4	Y	.000923	4
66	MP GAMMA4	X	-.000533	4
67	MP ALPHA1	Y	.000537	4
68	MP ALPHA1	X	-.00031	4
69	MP BETA1	Y	.000537	4
70	MP BETA1	X	-.00031	4
71	MP GAMMA1	Y	.000781	4
72	MP GAMMA1	X	-.000451	4
73	MP ALPHA1	Y	.003	4
74	MP ALPHA1	X	-.002	4
75	MP BETA1	Y	.003	4
76	MP BETA1	X	-.002	4
77	MP GAMMA1	Y	.003	4
78	MP GAMMA1	X	-.002	4
79	MP ALPHA2	Y	.003	4
80	MP ALPHA2	X	-.002	4
81	MP BETA2	Y	.003	4
82	MP BETA2	X	-.002	4
83	MP ALPHA4	Y	.006	4
84	MP ALPHA4	X	-.003	4
85	MP BETA4	Y	.006	4
86	MP BETA4	X	-.003	4
87	MP GAMMA4	Y	.004	4
88	MP GAMMA4	X	-.002	4
89	MP ALPHA3	Y	.004	4
90	MP ALPHA3	X	-.002	4
91	MP BETA3	Y	.004	4
92	MP BETA3	X	-.002	4
93	MP GAMMA3	Y	.002	4
94	MP GAMMA3	X	-.001	4
95	MP ALPHA3	Y	.004	4
96	MP ALPHA3	X	-.002	4
97	MP BETA3	Y	.004	4
98	MP BETA3	X	-.002	4
99	MP GAMMA3	Y	.002	4
100	MP GAMMA3	X	-.001	4
101	MP ALPHA3	Y	.004	4
102	MP ALPHA3	X	-.002	4
103	MP BETA3	Y	.004	4
104	MP BETA3	X	-.002	4
105	MP GAMMA3	Y	.002	4
106	MP GAMMA3	X	-.001	4
107	MP ALPHA3	Y	.002	4
108	MP ALPHA3	X	-.001	4
109	MP BETA3	Y	.002	4
110	MP BETA3	X	-.001	4
111	MP GAMMA3	Y	.001	4
112	MP GAMMA3	X	-.000826	4
113	MP GAMMA3	Y	.003	4
114	MP GAMMA3	X	-.002	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.013	6.083
2	MP ALPHA2	Y	.013	1.917
3	MP BETA2	Y	.008	6.083
4	MP BETA2	Y	.008	1.917
5	MP GAMMA2	Y	.008	6.083
6	MP GAMMA2	Y	.008	1.917
7	MP ALPHA1	Y	.006	5.875
8	MP ALPHA1	Y	.006	2.125
9	MP BETA1	Y	.003	5.875
10	MP BETA1	Y	.003	2.125
11	MP GAMMA1	Y	.003	5.875
12	MP GAMMA1	Y	.003	2.125
13	MP ALPHA4	Y	.006	6.083
14	MP ALPHA4	Y	.006	1.917
15	MP BETA4	Y	.005	6.083
16	MP BETA4	Y	.005	1.917
17	MP GAMMA4	Y	.005	6.083
18	MP GAMMA4	Y	.005	1.917
19	MP ALPHA3	Y	.018	6.083
20	MP ALPHA3	Y	.018	1.917
21	MP BETA3	Y	.009	6.083
22	MP BETA3	Y	.009	1.917
23	MP GAMMA3	Y	.009	6.083
24	MP GAMMA3	Y	.009	1.917
25	MP ALPHA2	Y	.007	4
26	MP BETA2	Y	.004	4
27	MP GAMMA2	Y	.004	4
28	MP ALPHA4	Y	.007	4
29	MP BETA4	Y	.005	4
30	MP GAMMA4	Y	.005	4
31	MP ALPHA4	Y	.001	4
32	MP BETA4	Y	.001	4
33	MP GAMMA4	Y	.001	4
34	MP ALPHA1	Y	.000526	4
35	MP BETA1	Y	.000808	4
36	MP GAMMA1	Y	.000808	4
37	MP ALPHA1	Y	.004	4
38	MP BETA1	Y	.004	4
39	MP GAMMA1	Y	.004	4
40	MP ALPHA2	Y	.003	4
41	MP BETA2	Y	.003	4
42	MP ALPHA4	Y	.007	4
43	MP BETA4	Y	.005	4
44	MP GAMMA4	Y	.005	4
45	MP ALPHA3	Y	.005	4
46	MP BETA3	Y	.003	4
47	MP GAMMA3	Y	.003	4
48	MP ALPHA3	Y	.005	4
49	MP BETA3	Y	.003	4
50	MP GAMMA3	Y	.003	4
51	MP ALPHA3	Y	.005	4
52	MP BETA3	Y	.003	4
53	MP GAMMA3	Y	.003	4
54	MP ALPHA3	Y	.003	4
55	MP BETA3	Y	.002	4
56	MP GAMMA3	Y	.002	4
57	MP GAMMA3	Y	.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.01	6.083
2	MP ALPHA2	Y	.01	1.917
3	MP ALPHA2	X	.006	6.083
4	MP ALPHA2	X	.006	1.917
5	MP BETA2	Y	.006	6.083
6	MP BETA2	Y	.006	1.917
7	MP BETA2	X	.003	6.083
8	MP BETA2	X	.003	1.917
9	MP GAMMA2	Y	.01	6.083
10	MP GAMMA2	Y	.01	1.917
11	MP GAMMA2	X	.006	6.083
12	MP GAMMA2	X	.006	1.917
13	MP ALPHA1	Y	.004	5.875
14	MP ALPHA1	Y	.004	2.125
15	MP ALPHA1	X	.003	5.875
16	MP ALPHA1	X	.003	2.125
17	MP BETA1	Y	.002	5.875
18	MP BETA1	Y	.002	2.125
19	MP BETA1	X	.001	5.875
20	MP BETA1	X	.001	2.125
21	MP GAMMA1	Y	.004	5.875
22	MP GAMMA1	Y	.004	2.125
23	MP GAMMA1	X	.003	5.875
24	MP GAMMA1	X	.003	2.125
25	MP ALPHA4	Y	.005	6.083
26	MP ALPHA4	Y	.005	1.917
27	MP ALPHA4	X	.003	6.083
28	MP ALPHA4	X	.003	1.917
29	MP BETA4	Y	.004	6.083
30	MP BETA4	Y	.004	1.917
31	MP BETA4	X	.002	6.083
32	MP BETA4	X	.002	1.917
33	MP GAMMA4	Y	.005	6.083
34	MP GAMMA4	Y	.005	1.917
35	MP GAMMA4	X	.003	6.083
36	MP GAMMA4	X	.003	1.917
37	MP ALPHA3	Y	.013	6.083
38	MP ALPHA3	Y	.013	1.917
39	MP ALPHA3	X	.007	6.083
40	MP ALPHA3	X	.007	1.917
41	MP BETA3	Y	.005	6.083
42	MP BETA3	Y	.005	1.917
43	MP BETA3	X	.003	6.083
44	MP BETA3	X	.003	1.917
45	MP GAMMA3	Y	.013	6.083
46	MP GAMMA3	Y	.013	1.917
47	MP GAMMA3	X	.007	6.083
48	MP GAMMA3	X	.007	1.917
49	MP ALPHA2	Y	.005	4
50	MP ALPHA2	X	.003	4
51	MP BETA2	Y	.003	4
52	MP BETA2	X	.002	4
53	MP GAMMA2	Y	.005	4
54	MP GAMMA2	X	.003	4
55	MP ALPHA4	Y	.006	4
56	MP ALPHA4	X	.003	4
57	MP BETA4	Y	.004	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	.002	4
59	MP GAMMA4	Y	.006	4
60	MP GAMMA4	X	.003	4
61	MP ALPHA4	Y	.000956	4
62	MP ALPHA4	X	.000552	4
63	MP BETA4	Y	.000923	4
64	MP BETA4	X	.000533	4
65	MP GAMMA4	Y	.000956	4
66	MP GAMMA4	X	.000552	4
67	MP ALPHA1	Y	.000537	4
68	MP ALPHA1	X	.00031	4
69	MP BETA1	Y	.000781	4
70	MP BETA1	X	.000451	4
71	MP GAMMA1	Y	.000537	4
72	MP GAMMA1	X	.00031	4
73	MP ALPHA1	Y	.003	4
74	MP ALPHA1	X	.002	4
75	MP BETA1	Y	.003	4
76	MP BETA1	X	.002	4
77	MP GAMMA1	Y	.003	4
78	MP GAMMA1	X	.002	4
79	MP ALPHA2	Y	.003	4
80	MP ALPHA2	X	.002	4
81	MP BETA2	Y	.003	4
82	MP BETA2	X	.002	4
83	MP ALPHA4	Y	.006	4
84	MP ALPHA4	X	.003	4
85	MP BETA4	Y	.004	4
86	MP BETA4	X	.002	4
87	MP GAMMA4	Y	.006	4
88	MP GAMMA4	X	.003	4
89	MP ALPHA3	Y	.004	4
90	MP ALPHA3	X	.002	4
91	MP BETA3	Y	.002	4
92	MP BETA3	X	.001	4
93	MP GAMMA3	Y	.004	4
94	MP GAMMA3	X	.002	4
95	MP ALPHA3	Y	.004	4
96	MP ALPHA3	X	.002	4
97	MP BETA3	Y	.002	4
98	MP BETA3	X	.001	4
99	MP GAMMA3	Y	.004	4
100	MP GAMMA3	X	.002	4
101	MP ALPHA3	Y	.004	4
102	MP ALPHA3	X	.002	4
103	MP BETA3	Y	.002	4
104	MP BETA3	X	.001	4
105	MP GAMMA3	Y	.004	4
106	MP GAMMA3	X	.002	4
107	MP ALPHA3	Y	.002	4
108	MP ALPHA3	X	.001	4
109	MP BETA3	Y	.001	4
110	MP BETA3	X	.000826	4
111	MP GAMMA3	Y	.002	4
112	MP GAMMA3	X	.001	4
113	MP GAMMA3	Y	.003	4
114	MP GAMMA3	X	.002	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.004	6.083
2	MP ALPHA2	Y	.004	1.917
3	MP ALPHA2	X	.007	6.083
4	MP ALPHA2	X	.007	1.917
5	MP BETA2	Y	.004	6.083
6	MP BETA2	Y	.004	1.917
7	MP BETA2	X	.007	6.083
8	MP BETA2	X	.007	1.917
9	MP GAMMA2	Y	.007	6.083
10	MP GAMMA2	Y	.007	1.917
11	MP GAMMA2	X	.011	6.083
12	MP GAMMA2	X	.011	1.917
13	MP ALPHA1	Y	.002	5.875
14	MP ALPHA1	Y	.002	2.125
15	MP ALPHA1	X	.003	5.875
16	MP ALPHA1	X	.003	2.125
17	MP BETA1	Y	.002	5.875
18	MP BETA1	Y	.002	2.125
19	MP BETA1	X	.003	5.875
20	MP BETA1	X	.003	2.125
21	MP GAMMA1	Y	.003	5.875
22	MP GAMMA1	Y	.003	2.125
23	MP GAMMA1	X	.005	5.875
24	MP GAMMA1	X	.005	2.125
25	MP ALPHA4	Y	.003	6.083
26	MP ALPHA4	Y	.003	1.917
27	MP ALPHA4	X	.004	6.083
28	MP ALPHA4	X	.004	1.917
29	MP BETA4	Y	.003	6.083
30	MP BETA4	Y	.003	1.917
31	MP BETA4	X	.004	6.083
32	MP BETA4	X	.004	1.917
33	MP GAMMA4	Y	.003	6.083
34	MP GAMMA4	Y	.003	1.917
35	MP GAMMA4	X	.005	6.083
36	MP GAMMA4	X	.005	1.917
37	MP ALPHA3	Y	.004	6.083
38	MP ALPHA3	Y	.004	1.917
39	MP ALPHA3	X	.008	6.083
40	MP ALPHA3	X	.008	1.917
41	MP BETA3	Y	.004	6.083
42	MP BETA3	Y	.004	1.917
43	MP BETA3	X	.008	6.083
44	MP BETA3	X	.008	1.917
45	MP GAMMA3	Y	.009	6.083
46	MP GAMMA3	Y	.009	1.917
47	MP GAMMA3	X	.015	6.083
48	MP GAMMA3	X	.015	1.917
49	MP ALPHA2	Y	.002	4
50	MP ALPHA2	X	.004	4
51	MP BETA2	Y	.002	4
52	MP BETA2	X	.004	4
53	MP GAMMA2	Y	.004	4
54	MP GAMMA2	X	.006	4
55	MP ALPHA4	Y	.002	4
56	MP ALPHA4	X	.004	4
57	MP BETA4	Y	.002	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	.004	4
59	MP GAMMA4	Y	.004	4
60	MP GAMMA4	X	.006	4
61	MP ALPHA4	Y	.000539	4
62	MP ALPHA4	X	.000934	4
63	MP BETA4	Y	.000539	4
64	MP BETA4	X	.000934	4
65	MP GAMMA4	Y	.000559	4
66	MP GAMMA4	X	.000967	4
67	MP ALPHA1	Y	.000404	4
68	MP ALPHA1	X	.0007	4
69	MP BETA1	Y	.000404	4
70	MP BETA1	X	.0007	4
71	MP GAMMA1	Y	.000263	4
72	MP GAMMA1	X	.000456	4
73	MP ALPHA1	Y	.002	4
74	MP ALPHA1	X	.003	4
75	MP BETA1	Y	.002	4
76	MP BETA1	X	.003	4
77	MP GAMMA1	Y	.002	4
78	MP GAMMA1	X	.004	4
79	MP ALPHA2	Y	.002	4
80	MP ALPHA2	X	.003	4
81	MP BETA2	Y	.002	4
82	MP BETA2	X	.003	4
83	MP ALPHA4	Y	.002	4
84	MP ALPHA4	X	.004	4
85	MP BETA4	Y	.002	4
86	MP BETA4	X	.004	4
87	MP GAMMA4	Y	.004	4
88	MP GAMMA4	X	.006	4
89	MP ALPHA3	Y	.002	4
90	MP ALPHA3	X	.003	4
91	MP BETA3	Y	.002	4
92	MP BETA3	X	.003	4
93	MP GAMMA3	Y	.002	4
94	MP GAMMA3	X	.004	4
95	MP ALPHA3	Y	.002	4
96	MP ALPHA3	X	.003	4
97	MP BETA3	Y	.002	4
98	MP BETA3	X	.003	4
99	MP GAMMA3	Y	.002	4
100	MP GAMMA3	X	.004	4
101	MP ALPHA3	Y	.002	4
102	MP ALPHA3	X	.003	4
103	MP BETA3	Y	.002	4
104	MP BETA3	X	.003	4
105	MP GAMMA3	Y	.002	4
106	MP GAMMA3	X	.004	4
107	MP ALPHA3	Y	.001	4
108	MP ALPHA3	X	.002	4
109	MP BETA3	Y	.001	4
110	MP BETA3	X	.002	4
111	MP GAMMA3	Y	.002	4
112	MP GAMMA3	X	.003	4
113	MP GAMMA3	Y	.001	4
114	MP GAMMA3	X	.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	X	.007	6.083
2	MP ALPHA2	X	.007	1.917
3	MP BETA2	X	.012	6.083
4	MP BETA2	X	.012	1.917
5	MP GAMMA2	X	.012	6.083
6	MP GAMMA2	X	.012	1.917
7	MP ALPHA1	X	.002	5.875
8	MP ALPHA1	X	.002	2.125
9	MP BETA1	X	.005	5.875
10	MP BETA1	X	.005	2.125
11	MP GAMMA1	X	.005	5.875
12	MP GAMMA1	X	.005	2.125
13	MP ALPHA4	X	.005	6.083
14	MP ALPHA4	X	.005	1.917
15	MP BETA4	X	.006	6.083
16	MP BETA4	X	.006	1.917
17	MP GAMMA4	X	.006	6.083
18	MP GAMMA4	X	.006	1.917
19	MP ALPHA3	X	.006	6.083
20	MP ALPHA3	X	.006	1.917
21	MP BETA3	X	.015	6.083
22	MP BETA3	X	.015	1.917
23	MP GAMMA3	X	.015	6.083
24	MP GAMMA3	X	.015	1.917
25	MP ALPHA2	X	.003	4
26	MP BETA2	X	.006	4
27	MP GAMMA2	X	.006	4
28	MP ALPHA4	X	.004	4
29	MP BETA4	X	.006	4
30	MP GAMMA4	X	.006	4
31	MP ALPHA4	X	.001	4
32	MP BETA4	X	.001	4
33	MP GAMMA4	X	.001	4
34	MP ALPHA1	X	.000902	4
35	MP BETA1	X	.00062	4
36	MP GAMMA1	X	.00062	4
37	MP ALPHA1	X	.003	4
38	MP BETA1	X	.004	4
39	MP GAMMA1	X	.004	4
40	MP ALPHA2	X	.003	4
41	MP BETA2	X	.003	4
42	MP ALPHA4	X	.004	4
43	MP BETA4	X	.006	4
44	MP GAMMA4	X	.006	4
45	MP ALPHA3	X	.003	4
46	MP BETA3	X	.004	4
47	MP GAMMA3	X	.004	4
48	MP ALPHA3	X	.003	4
49	MP BETA3	X	.004	4
50	MP GAMMA3	X	.004	4
51	MP ALPHA3	X	.003	4
52	MP BETA3	X	.004	4
53	MP GAMMA3	X	.004	4
54	MP ALPHA3	X	.002	4
55	MP BETA3	X	.003	4
56	MP GAMMA3	X	.003	4
57	MP GAMMA3	X	.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.004	6.083
2	MP ALPHA2	Y	-.004	1.917
3	MP ALPHA2	X	.007	6.083
4	MP ALPHA2	X	.007	1.917
5	MP BETA2	Y	-.007	6.083
6	MP BETA2	Y	-.007	1.917
7	MP BETA2	X	.011	6.083
8	MP BETA2	X	.011	1.917
9	MP GAMMA2	Y	-.004	6.083
10	MP GAMMA2	Y	-.004	1.917
11	MP GAMMA2	X	.007	6.083
12	MP GAMMA2	X	.007	1.917
13	MP ALPHA1	Y	-.002	5.875
14	MP ALPHA1	Y	-.002	2.125
15	MP ALPHA1	X	.003	5.875
16	MP ALPHA1	X	.003	2.125
17	MP BETA1	Y	-.003	5.875
18	MP BETA1	Y	-.003	2.125
19	MP BETA1	X	.005	5.875
20	MP BETA1	X	.005	2.125
21	MP GAMMA1	Y	-.002	5.875
22	MP GAMMA1	Y	-.002	2.125
23	MP GAMMA1	X	.003	5.875
24	MP GAMMA1	X	.003	2.125
25	MP ALPHA4	Y	-.003	6.083
26	MP ALPHA4	Y	-.003	1.917
27	MP ALPHA4	X	.004	6.083
28	MP ALPHA4	X	.004	1.917
29	MP BETA4	Y	-.003	6.083
30	MP BETA4	Y	-.003	1.917
31	MP BETA4	X	.005	6.083
32	MP BETA4	X	.005	1.917
33	MP GAMMA4	Y	-.003	6.083
34	MP GAMMA4	Y	-.003	1.917
35	MP GAMMA4	X	.004	6.083
36	MP GAMMA4	X	.004	1.917
37	MP ALPHA3	Y	-.004	6.083
38	MP ALPHA3	Y	-.004	1.917
39	MP ALPHA3	X	.008	6.083
40	MP ALPHA3	X	.008	1.917
41	MP BETA3	Y	-.009	6.083
42	MP BETA3	Y	-.009	1.917
43	MP BETA3	X	.015	6.083
44	MP BETA3	X	.015	1.917
45	MP GAMMA3	Y	-.004	6.083
46	MP GAMMA3	Y	-.004	1.917
47	MP GAMMA3	X	.008	6.083
48	MP GAMMA3	X	.008	1.917
49	MP ALPHA2	Y	-.002	4
50	MP ALPHA2	X	.004	4
51	MP BETA2	Y	-.004	4
52	MP BETA2	X	.006	4
53	MP GAMMA2	Y	-.002	4
54	MP GAMMA2	X	.004	4
55	MP ALPHA4	Y	-.002	4
56	MP ALPHA4	X	.004	4
57	MP BETA4	Y	-.004	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	.006	4
59	MP GAMMA4	Y	-.002	4
60	MP GAMMA4	X	.004	4
61	MP ALPHA4	Y	-.000539	4
62	MP ALPHA4	X	.000934	4
63	MP BETA4	Y	-.000559	4
64	MP BETA4	X	.000967	4
65	MP GAMMA4	Y	-.000539	4
66	MP GAMMA4	X	.000934	4
67	MP ALPHA1	Y	-.000404	4
68	MP ALPHA1	X	.0007	4
69	MP BETA1	Y	-.000263	4
70	MP BETA1	X	.000456	4
71	MP GAMMA1	Y	-.000404	4
72	MP GAMMA1	X	.0007	4
73	MP ALPHA1	Y	-.002	4
74	MP ALPHA1	X	.003	4
75	MP BETA1	Y	-.002	4
76	MP BETA1	X	.004	4
77	MP GAMMA1	Y	-.002	4
78	MP GAMMA1	X	.003	4
79	MP ALPHA2	Y	-.002	4
80	MP ALPHA2	X	.003	4
81	MP BETA2	Y	-.002	4
82	MP BETA2	X	.003	4
83	MP ALPHA4	Y	-.002	4
84	MP ALPHA4	X	.004	4
85	MP BETA4	Y	-.004	4
86	MP BETA4	X	.006	4
87	MP GAMMA4	Y	-.002	4
88	MP GAMMA4	X	.004	4
89	MP ALPHA3	Y	-.002	4
90	MP ALPHA3	X	.003	4
91	MP BETA3	Y	-.002	4
92	MP BETA3	X	.004	4
93	MP GAMMA3	Y	-.002	4
94	MP GAMMA3	X	.003	4
95	MP ALPHA3	Y	-.002	4
96	MP ALPHA3	X	.003	4
97	MP BETA3	Y	-.002	4
98	MP BETA3	X	.004	4
99	MP GAMMA3	Y	-.002	4
100	MP GAMMA3	X	.003	4
101	MP ALPHA3	Y	-.002	4
102	MP ALPHA3	X	.003	4
103	MP BETA3	Y	-.002	4
104	MP BETA3	X	.004	4
105	MP GAMMA3	Y	-.002	4
106	MP GAMMA3	X	.003	4
107	MP ALPHA3	Y	-.001	4
108	MP ALPHA3	X	.002	4
109	MP BETA3	Y	-.002	4
110	MP BETA3	X	.003	4
111	MP GAMMA3	Y	-.001	4
112	MP GAMMA3	X	.002	4
113	MP GAMMA3	Y	-.002	4
114	MP GAMMA3	X	.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.01	6.083
2	MP ALPHA2	Y	-.01	1.917
3	MP ALPHA2	X	.006	6.083
4	MP ALPHA2	X	.006	1.917
5	MP BETA2	Y	-.01	6.083
6	MP BETA2	Y	-.01	1.917
7	MP BETA2	X	.006	6.083
8	MP BETA2	X	.006	1.917
9	MP GAMMA2	Y	-.006	6.083
10	MP GAMMA2	Y	-.006	1.917
11	MP GAMMA2	X	.003	6.083
12	MP GAMMA2	X	.003	1.917
13	MP ALPHA1	Y	-.004	5.875
14	MP ALPHA1	Y	-.004	2.125
15	MP ALPHA1	X	.003	5.875
16	MP ALPHA1	X	.003	2.125
17	MP BETA1	Y	-.004	5.875
18	MP BETA1	Y	-.004	2.125
19	MP BETA1	X	.003	5.875
20	MP BETA1	X	.003	2.125
21	MP GAMMA1	Y	-.002	5.875
22	MP GAMMA1	Y	-.002	2.125
23	MP GAMMA1	X	.001	5.875
24	MP GAMMA1	X	.001	2.125
25	MP ALPHA4	Y	-.005	6.083
26	MP ALPHA4	Y	-.005	1.917
27	MP ALPHA4	X	.003	6.083
28	MP ALPHA4	X	.003	1.917
29	MP BETA4	Y	-.005	6.083
30	MP BETA4	Y	-.005	1.917
31	MP BETA4	X	.003	6.083
32	MP BETA4	X	.003	1.917
33	MP GAMMA4	Y	-.004	6.083
34	MP GAMMA4	Y	-.004	1.917
35	MP GAMMA4	X	.002	6.083
36	MP GAMMA4	X	.002	1.917
37	MP ALPHA3	Y	-.013	6.083
38	MP ALPHA3	Y	-.013	1.917
39	MP ALPHA3	X	.007	6.083
40	MP ALPHA3	X	.007	1.917
41	MP BETA3	Y	-.013	6.083
42	MP BETA3	Y	-.013	1.917
43	MP BETA3	X	.007	6.083
44	MP BETA3	X	.007	1.917
45	MP GAMMA3	Y	-.005	6.083
46	MP GAMMA3	Y	-.005	1.917
47	MP GAMMA3	X	.003	6.083
48	MP GAMMA3	X	.003	1.917
49	MP ALPHA2	Y	-.005	4
50	MP ALPHA2	X	.003	4
51	MP BETA2	Y	-.005	4
52	MP BETA2	X	.003	4
53	MP GAMMA2	Y	-.003	4
54	MP GAMMA2	X	.002	4
55	MP ALPHA4	Y	-.006	4
56	MP ALPHA4	X	.003	4
57	MP BETA4	Y	-.006	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	.003	4
59	MP GAMMA4	Y	-.004	4
60	MP GAMMA4	X	.002	4
61	MP ALPHA4	Y	-.000956	4
62	MP ALPHA4	X	.000552	4
63	MP BETA4	Y	-.000956	4
64	MP BETA4	X	.000552	4
65	MP GAMMA4	Y	-.000923	4
66	MP GAMMA4	X	.000533	4
67	MP ALPHA1	Y	-.000537	4
68	MP ALPHA1	X	.00031	4
69	MP BETA1	Y	-.000537	4
70	MP BETA1	X	.00031	4
71	MP GAMMA1	Y	-.000781	4
72	MP GAMMA1	X	.000451	4
73	MP ALPHA1	Y	-.003	4
74	MP ALPHA1	X	.002	4
75	MP BETA1	Y	-.003	4
76	MP BETA1	X	.002	4
77	MP GAMMA1	Y	-.003	4
78	MP GAMMA1	X	.002	4
79	MP ALPHA2	Y	-.003	4
80	MP ALPHA2	X	.002	4
81	MP BETA2	Y	-.003	4
82	MP BETA2	X	.002	4
83	MP ALPHA4	Y	-.006	4
84	MP ALPHA4	X	.003	4
85	MP BETA4	Y	-.006	4
86	MP BETA4	X	.003	4
87	MP GAMMA4	Y	-.004	4
88	MP GAMMA4	X	.002	4
89	MP ALPHA3	Y	-.004	4
90	MP ALPHA3	X	.002	4
91	MP BETA3	Y	-.004	4
92	MP BETA3	X	.002	4
93	MP GAMMA3	Y	-.002	4
94	MP GAMMA3	X	.001	4
95	MP ALPHA3	Y	-.004	4
96	MP ALPHA3	X	.002	4
97	MP BETA3	Y	-.004	4
98	MP BETA3	X	.002	4
99	MP GAMMA3	Y	-.002	4
100	MP GAMMA3	X	.001	4
101	MP ALPHA3	Y	-.004	4
102	MP ALPHA3	X	.002	4
103	MP BETA3	Y	-.004	4
104	MP BETA3	X	.002	4
105	MP GAMMA3	Y	-.002	4
106	MP GAMMA3	X	.001	4
107	MP ALPHA3	Y	-.002	4
108	MP ALPHA3	X	.001	4
109	MP BETA3	Y	-.002	4
110	MP BETA3	X	.001	4
111	MP GAMMA3	Y	-.001	4
112	MP GAMMA3	X	.000826	4
113	MP GAMMA3	Y	-.003	4
114	MP GAMMA3	X	.002	4

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Z	-.121	6.083
2	MP ALPHA2	Z	-.121	1.917
3	MP BETA2	Z	-.121	6.083
4	MP BETA2	Z	-.121	1.917
5	MP GAMMA2	Z	-.121	6.083
6	MP GAMMA2	Z	-.121	1.917
7	MP ALPHA1	Z	-.074	5.875
8	MP ALPHA1	Z	-.074	2.125
9	MP BETA1	Z	-.074	5.875
10	MP BETA1	Z	-.074	2.125
11	MP GAMMA1	Z	-.074	5.875
12	MP GAMMA1	Z	-.074	2.125
13	MP ALPHA4	Z	-.111	6.083
14	MP ALPHA4	Z	-.111	1.917
15	MP BETA4	Z	-.111	6.083
16	MP BETA4	Z	-.111	1.917
17	MP GAMMA4	Z	-.111	6.083
18	MP GAMMA4	Z	-.111	1.917
19	MP ALPHA3	Z	-.145	6.083
20	MP ALPHA3	Z	-.145	1.917
21	MP BETA3	Z	-.145	6.083
22	MP BETA3	Z	-.145	1.917
23	MP GAMMA3	Z	-.145	6.083
24	MP GAMMA3	Z	-.145	1.917
25	MP ALPHA2	Z	-.084	4
26	MP BETA2	Z	-.084	4
27	MP GAMMA2	Z	-.084	4
28	MP ALPHA4	Z	-.085	4
29	MP BETA4	Z	-.085	4
30	MP GAMMA4	Z	-.085	4
31	MP ALPHA4	Z	-.025	4
32	MP BETA4	Z	-.025	4
33	MP GAMMA4	Z	-.025	4
34	MP ALPHA1	Z	-.031	4
35	MP BETA1	Z	-.031	4
36	MP GAMMA1	Z	-.031	4
37	MP ALPHA1	Z	-.069	4
38	MP BETA1	Z	-.069	4
39	MP GAMMA1	Z	-.069	4
40	MP ALPHA2	Z	-.104	4
41	MP BETA2	Z	-.111	4
42	MP ALPHA4	Z	-.086	4
43	MP BETA4	Z	-.086	4
44	MP GAMMA4	Z	-.086	4
45	MP ALPHA3	Z	-.065	4
46	MP BETA3	Z	-.065	4
47	MP GAMMA3	Z	-.065	4
48	MP ALPHA3	Z	-.065	4
49	MP BETA3	Z	-.065	4
50	MP GAMMA3	Z	-.065	4
51	MP ALPHA3	Z	-.065	4
52	MP BETA3	Z	-.065	4
53	MP GAMMA3	Z	-.065	4
54	MP ALPHA3	Z	-.05	4
55	MP BETA3	Z	-.05	4
56	MP GAMMA3	Z	-.05	4
57	MP GAMMA3	Z	-.104	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.043	6.083
2	MP ALPHA2	Y	-.043	1.917
3	MP BETA2	Y	-.03	6.083
4	MP BETA2	Y	-.03	1.917
5	MP GAMMA2	Y	-.03	6.083
6	MP GAMMA2	Y	-.03	1.917
7	MP ALPHA1	Y	-.021	5.875
8	MP ALPHA1	Y	-.021	2.125
9	MP BETA1	Y	-.013	5.875
10	MP BETA1	Y	-.013	2.125
11	MP GAMMA1	Y	-.013	5.875
12	MP GAMMA1	Y	-.013	2.125
13	MP ALPHA4	Y	-.019	6.083
14	MP ALPHA4	Y	-.019	1.917
15	MP BETA4	Y	-.018	6.083
16	MP BETA4	Y	-.018	1.917
17	MP GAMMA4	Y	-.018	6.083
18	MP GAMMA4	Y	-.018	1.917
19	MP ALPHA3	Y	-.053	6.083
20	MP ALPHA3	Y	-.053	1.917
21	MP BETA3	Y	-.031	6.083
22	MP BETA3	Y	-.031	1.917
23	MP GAMMA3	Y	-.031	6.083
24	MP GAMMA3	Y	-.031	1.917
25	MP ALPHA2	Y	-.017	4
26	MP BETA2	Y	-.011	4
27	MP GAMMA2	Y	-.011	4
28	MP ALPHA4	Y	-.017	4
29	MP BETA4	Y	-.013	4
30	MP GAMMA4	Y	-.013	4
31	MP ALPHA4	Y	-.004	4
32	MP BETA4	Y	-.004	4
33	MP GAMMA4	Y	-.004	4
34	MP ALPHA1	Y	-.003	4
35	MP BETA1	Y	-.005	4
36	MP GAMMA1	Y	-.005	4
37	MP ALPHA1	Y	-.012	4
38	MP BETA1	Y	-.011	4
39	MP GAMMA1	Y	-.011	4
40	MP ALPHA2	Y	-.017	4
41	MP BETA2	Y	-.017	4
42	MP ALPHA4	Y	-.017	4
43	MP BETA4	Y	-.013	4
44	MP GAMMA4	Y	-.013	4
45	MP ALPHA3	Y	-.012	4
46	MP BETA3	Y	-.009	4
47	MP GAMMA3	Y	-.009	4
48	MP ALPHA3	Y	-.012	4
49	MP BETA3	Y	-.009	4
50	MP GAMMA3	Y	-.009	4
51	MP ALPHA3	Y	-.012	4
52	MP BETA3	Y	-.009	4
53	MP GAMMA3	Y	-.009	4
54	MP ALPHA3	Y	-.01	4
55	MP BETA3	Y	-.008	4
56	MP GAMMA3	Y	-.008	4
57	MP GAMMA3	Y	-.017	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.033	6.083
2	MP ALPHA2	Y	-.033	1.917
3	MP ALPHA2	X	-.019	6.083
4	MP ALPHA2	X	-.019	1.917
5	MP BETA2	Y	-.022	6.083
6	MP BETA2	Y	-.022	1.917
7	MP BETA2	X	-.013	6.083
8	MP BETA2	X	-.013	1.917
9	MP GAMMA2	Y	-.033	6.083
10	MP GAMMA2	Y	-.033	1.917
11	MP GAMMA2	X	-.019	6.083
12	MP GAMMA2	X	-.019	1.917
13	MP ALPHA1	Y	-.016	5.875
14	MP ALPHA1	Y	-.016	2.125
15	MP ALPHA1	X	-.009	5.875
16	MP ALPHA1	X	-.009	2.125
17	MP BETA1	Y	-.009	5.875
18	MP BETA1	Y	-.009	2.125
19	MP BETA1	X	-.005	5.875
20	MP BETA1	X	-.005	2.125
21	MP GAMMA1	Y	-.016	5.875
22	MP GAMMA1	Y	-.016	2.125
23	MP GAMMA1	X	-.009	5.875
24	MP GAMMA1	X	-.009	2.125
25	MP ALPHA4	Y	-.016	6.083
26	MP ALPHA4	Y	-.016	1.917
27	MP ALPHA4	X	-.009	6.083
28	MP ALPHA4	X	-.009	1.917
29	MP BETA4	Y	-.015	6.083
30	MP BETA4	Y	-.015	1.917
31	MP BETA4	X	-.008	6.083
32	MP BETA4	X	-.008	1.917
33	MP GAMMA4	Y	-.016	6.083
34	MP GAMMA4	Y	-.016	1.917
35	MP GAMMA4	X	-.009	6.083
36	MP GAMMA4	X	-.009	1.917
37	MP ALPHA3	Y	-.04	6.083
38	MP ALPHA3	Y	-.04	1.917
39	MP ALPHA3	X	-.023	6.083
40	MP ALPHA3	X	-.023	1.917
41	MP BETA3	Y	-.02	6.083
42	MP BETA3	Y	-.02	1.917
43	MP BETA3	X	-.012	6.083
44	MP BETA3	X	-.012	1.917
45	MP GAMMA3	Y	-.04	6.083
46	MP GAMMA3	Y	-.04	1.917
47	MP GAMMA3	X	-.023	6.083
48	MP GAMMA3	X	-.023	1.917
49	MP ALPHA2	Y	-.013	4
50	MP ALPHA2	X	-.007	4
51	MP BETA2	Y	-.007	4
52	MP BETA2	X	-.004	4
53	MP GAMMA2	Y	-.013	4
54	MP GAMMA2	X	-.007	4
55	MP ALPHA4	Y	-.013	4
56	MP ALPHA4	X	-.008	4
57	MP BETA4	Y	-.01	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	-.006	4
59	MP GAMMA4	Y	-.013	4
60	MP GAMMA4	X	-.008	4
61	MP ALPHA4	Y	-.003	4
62	MP ALPHA4	X	-.002	4
63	MP BETA4	Y	-.003	4
64	MP BETA4	X	-.002	4
65	MP GAMMA4	Y	-.003	4
66	MP GAMMA4	X	-.002	4
67	MP ALPHA1	Y	-.003	4
68	MP ALPHA1	X	-.002	4
69	MP BETA1	Y	-.004	4
70	MP BETA1	X	-.002	4
71	MP GAMMA1	Y	-.003	4
72	MP GAMMA1	X	-.002	4
73	MP ALPHA1	Y	-.01	4
74	MP ALPHA1	X	-.006	4
75	MP BETA1	Y	-.009	4
76	MP BETA1	X	-.005	4
77	MP GAMMA1	Y	-.01	4
78	MP GAMMA1	X	-.006	4
79	MP ALPHA2	Y	-.014	4
80	MP ALPHA2	X	-.008	4
81	MP BETA2	Y	-.015	4
82	MP BETA2	X	-.009	4
83	MP ALPHA4	Y	-.013	4
84	MP ALPHA4	X	-.008	4
85	MP BETA4	Y	-.01	4
86	MP BETA4	X	-.006	4
87	MP GAMMA4	Y	-.013	4
88	MP GAMMA4	X	-.008	4
89	MP ALPHA3	Y	-.009	4
90	MP ALPHA3	X	-.005	4
91	MP BETA3	Y	-.007	4
92	MP BETA3	X	-.004	4
93	MP GAMMA3	Y	-.009	4
94	MP GAMMA3	X	-.005	4
95	MP ALPHA3	Y	-.009	4
96	MP ALPHA3	X	-.005	4
97	MP BETA3	Y	-.007	4
98	MP BETA3	X	-.004	4
99	MP GAMMA3	Y	-.009	4
100	MP GAMMA3	X	-.005	4
101	MP ALPHA3	Y	-.009	4
102	MP ALPHA3	X	-.005	4
103	MP BETA3	Y	-.007	4
104	MP BETA3	X	-.004	4
105	MP GAMMA3	Y	-.009	4
106	MP GAMMA3	X	-.005	4
107	MP ALPHA3	Y	-.008	4
108	MP ALPHA3	X	-.005	4
109	MP BETA3	Y	-.006	4
110	MP BETA3	X	-.003	4
111	MP GAMMA3	Y	-.008	4
112	MP GAMMA3	X	-.005	4
113	MP GAMMA3	Y	-.014	4
114	MP GAMMA3	X	-.008	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.015	6.083
2	MP ALPHA2	Y	-.015	1.917
3	MP ALPHA2	X	-.026	6.083
4	MP ALPHA2	X	-.026	1.917
5	MP BETA2	Y	-.015	6.083
6	MP BETA2	Y	-.015	1.917
7	MP BETA2	X	-.026	6.083
8	MP BETA2	X	-.026	1.917
9	MP GAMMA2	Y	-.021	6.083
10	MP GAMMA2	Y	-.021	1.917
11	MP GAMMA2	X	-.037	6.083
12	MP GAMMA2	X	-.037	1.917
13	MP ALPHA1	Y	-.007	5.875
14	MP ALPHA1	Y	-.007	2.125
15	MP ALPHA1	X	-.011	5.875
16	MP ALPHA1	X	-.011	2.125
17	MP BETA1	Y	-.007	5.875
18	MP BETA1	Y	-.007	2.125
19	MP BETA1	X	-.011	5.875
20	MP BETA1	X	-.011	2.125
21	MP GAMMA1	Y	-.01	5.875
22	MP GAMMA1	Y	-.01	2.125
23	MP GAMMA1	X	-.018	5.875
24	MP GAMMA1	X	-.018	2.125
25	MP ALPHA4	Y	-.009	6.083
26	MP ALPHA4	Y	-.009	1.917
27	MP ALPHA4	X	-.015	6.083
28	MP ALPHA4	X	-.015	1.917
29	MP BETA4	Y	-.009	6.083
30	MP BETA4	Y	-.009	1.917
31	MP BETA4	X	-.015	6.083
32	MP BETA4	X	-.015	1.917
33	MP GAMMA4	Y	-.01	6.083
34	MP GAMMA4	Y	-.01	1.917
35	MP GAMMA4	X	-.017	6.083
36	MP GAMMA4	X	-.017	1.917
37	MP ALPHA3	Y	-.016	6.083
38	MP ALPHA3	Y	-.016	1.917
39	MP ALPHA3	X	-.027	6.083
40	MP ALPHA3	X	-.027	1.917
41	MP BETA3	Y	-.016	6.083
42	MP BETA3	Y	-.016	1.917
43	MP BETA3	X	-.027	6.083
44	MP BETA3	X	-.027	1.917
45	MP GAMMA3	Y	-.027	6.083
46	MP GAMMA3	Y	-.027	1.917
47	MP GAMMA3	X	-.046	6.083
48	MP GAMMA3	X	-.046	1.917
49	MP ALPHA2	Y	-.005	4
50	MP ALPHA2	X	-.009	4
51	MP BETA2	Y	-.005	4
52	MP BETA2	X	-.009	4
53	MP GAMMA2	Y	-.008	4
54	MP GAMMA2	X	-.014	4
55	MP ALPHA4	Y	-.006	4
56	MP ALPHA4	X	-.011	4
57	MP BETA4	Y	-.006	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	-.011	4
59	MP GAMMA4	Y	-.008	4
60	MP GAMMA4	X	-.014	4
61	MP ALPHA4	Y	-.002	4
62	MP ALPHA4	X	-.003	4
63	MP BETA4	Y	-.002	4
64	MP BETA4	X	-.003	4
65	MP GAMMA4	Y	-.002	4
66	MP GAMMA4	X	-.003	4
67	MP ALPHA1	Y	-.002	4
68	MP ALPHA1	X	-.004	4
69	MP BETA1	Y	-.002	4
70	MP BETA1	X	-.004	4
71	MP GAMMA1	Y	-.002	4
72	MP GAMMA1	X	-.003	4
73	MP ALPHA1	Y	-.006	4
74	MP ALPHA1	X	-.01	4
75	MP BETA1	Y	-.006	4
76	MP BETA1	X	-.01	4
77	MP GAMMA1	Y	-.006	4
78	MP GAMMA1	X	-.011	4
79	MP ALPHA2	Y	-.008	4
80	MP ALPHA2	X	-.014	4
81	MP BETA2	Y	-.009	4
82	MP BETA2	X	-.015	4
83	MP ALPHA4	Y	-.006	4
84	MP ALPHA4	X	-.011	4
85	MP BETA4	Y	-.006	4
86	MP BETA4	X	-.011	4
87	MP GAMMA4	Y	-.008	4
88	MP GAMMA4	X	-.014	4
89	MP ALPHA3	Y	-.004	4
90	MP ALPHA3	X	-.008	4
91	MP BETA3	Y	-.004	4
92	MP BETA3	X	-.008	4
93	MP GAMMA3	Y	-.006	4
94	MP GAMMA3	X	-.01	4
95	MP ALPHA3	Y	-.004	4
96	MP ALPHA3	X	-.008	4
97	MP BETA3	Y	-.004	4
98	MP BETA3	X	-.008	4
99	MP GAMMA3	Y	-.006	4
100	MP GAMMA3	X	-.01	4
101	MP ALPHA3	Y	-.004	4
102	MP ALPHA3	X	-.008	4
103	MP BETA3	Y	-.004	4
104	MP BETA3	X	-.008	4
105	MP GAMMA3	Y	-.006	4
106	MP GAMMA3	X	-.01	4
107	MP ALPHA3	Y	-.004	4
108	MP ALPHA3	X	-.007	4
109	MP BETA3	Y	-.004	4
110	MP BETA3	X	-.007	4
111	MP GAMMA3	Y	-.005	4
112	MP GAMMA3	X	-.009	4
113	MP GAMMA3	Y	-.008	4
114	MP GAMMA3	X	-.014	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	X	-.026	6.083
2	MP ALPHA2	X	-.026	1.917
3	MP BETA2	X	-.039	6.083
4	MP BETA2	X	-.039	1.917
5	MP GAMMA2	X	-.039	6.083
6	MP GAMMA2	X	-.039	1.917
7	MP ALPHA1	X	-.011	5.875
8	MP ALPHA1	X	-.011	2.125
9	MP BETA1	X	-.018	5.875
10	MP BETA1	X	-.018	2.125
11	MP GAMMA1	X	-.018	5.875
12	MP GAMMA1	X	-.018	2.125
13	MP ALPHA4	X	-.017	6.083
14	MP ALPHA4	X	-.017	1.917
15	MP BETA4	X	-.019	6.083
16	MP BETA4	X	-.019	1.917
17	MP GAMMA4	X	-.019	6.083
18	MP GAMMA4	X	-.019	1.917
19	MP ALPHA3	X	-.024	6.083
20	MP ALPHA3	X	-.024	1.917
21	MP BETA3	X	-.046	6.083
22	MP BETA3	X	-.046	1.917
23	MP GAMMA3	X	-.046	6.083
24	MP GAMMA3	X	-.046	1.917
25	MP ALPHA2	X	-.009	4
26	MP BETA2	X	-.015	4
27	MP GAMMA2	X	-.015	4
28	MP ALPHA4	X	-.011	4
29	MP BETA4	X	-.015	4
30	MP GAMMA4	X	-.015	4
31	MP ALPHA4	X	-.004	4
32	MP BETA4	X	-.004	4
33	MP GAMMA4	X	-.004	4
34	MP ALPHA1	X	-.005	4
35	MP BETA1	X	-.004	4
36	MP GAMMA1	X	-.004	4
37	MP ALPHA1	X	-.011	4
38	MP BETA1	X	-.012	4
39	MP GAMMA1	X	-.012	4
40	MP ALPHA2	X	-.017	4
41	MP BETA2	X	-.017	4
42	MP ALPHA4	X	-.011	4
43	MP BETA4	X	-.015	4
44	MP GAMMA4	X	-.015	4
45	MP ALPHA3	X	-.008	4
46	MP BETA3	X	-.011	4
47	MP GAMMA3	X	-.011	4
48	MP ALPHA3	X	-.008	4
49	MP BETA3	X	-.011	4
50	MP GAMMA3	X	-.011	4
51	MP ALPHA3	X	-.008	4
52	MP BETA3	X	-.011	4
53	MP GAMMA3	X	-.011	4
54	MP ALPHA3	X	-.007	4
55	MP BETA3	X	-.01	4
56	MP GAMMA3	X	-.01	4
57	MP GAMMA3	X	-.017	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.015	6.083
2	MP ALPHA2	Y	.015	1.917
3	MP ALPHA2	X	-.026	6.083
4	MP ALPHA2	X	-.026	1.917
5	MP BETA2	Y	.021	6.083
6	MP BETA2	Y	.021	1.917
7	MP BETA2	X	-.037	6.083
8	MP BETA2	X	-.037	1.917
9	MP GAMMA2	Y	.015	6.083
10	MP GAMMA2	Y	.015	1.917
11	MP GAMMA2	X	-.026	6.083
12	MP GAMMA2	X	-.026	1.917
13	MP ALPHA1	Y	.007	5.875
14	MP ALPHA1	Y	.007	2.125
15	MP ALPHA1	X	-.011	5.875
16	MP ALPHA1	X	-.011	2.125
17	MP BETA1	Y	.01	5.875
18	MP BETA1	Y	.01	2.125
19	MP BETA1	X	-.018	5.875
20	MP BETA1	X	-.018	2.125
21	MP GAMMA1	Y	.007	5.875
22	MP GAMMA1	Y	.007	2.125
23	MP GAMMA1	X	-.011	5.875
24	MP GAMMA1	X	-.011	2.125
25	MP ALPHA4	Y	.009	6.083
26	MP ALPHA4	Y	.009	1.917
27	MP ALPHA4	X	-.015	6.083
28	MP ALPHA4	X	-.015	1.917
29	MP BETA4	Y	.01	6.083
30	MP BETA4	Y	.01	1.917
31	MP BETA4	X	-.017	6.083
32	MP BETA4	X	-.017	1.917
33	MP GAMMA4	Y	.009	6.083
34	MP GAMMA4	Y	.009	1.917
35	MP GAMMA4	X	-.015	6.083
36	MP GAMMA4	X	-.015	1.917
37	MP ALPHA3	Y	.016	6.083
38	MP ALPHA3	Y	.016	1.917
39	MP ALPHA3	X	-.027	6.083
40	MP ALPHA3	X	-.027	1.917
41	MP BETA3	Y	.027	6.083
42	MP BETA3	Y	.027	1.917
43	MP BETA3	X	-.046	6.083
44	MP BETA3	X	-.046	1.917
45	MP GAMMA3	Y	.016	6.083
46	MP GAMMA3	Y	.016	1.917
47	MP GAMMA3	X	-.027	6.083
48	MP GAMMA3	X	-.027	1.917
49	MP ALPHA2	Y	.005	4
50	MP ALPHA2	X	-.009	4
51	MP BETA2	Y	.008	4
52	MP BETA2	X	-.014	4
53	MP GAMMA2	Y	.005	4
54	MP GAMMA2	X	-.009	4
55	MP ALPHA4	Y	.006	4
56	MP ALPHA4	X	-.011	4
57	MP BETA4	Y	.008	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	-.014	4
59	MP GAMMA4	Y	.006	4
60	MP GAMMA4	X	-.011	4
61	MP ALPHA4	Y	.002	4
62	MP ALPHA4	X	-.003	4
63	MP BETA4	Y	.002	4
64	MP BETA4	X	-.003	4
65	MP GAMMA4	Y	.002	4
66	MP GAMMA4	X	-.003	4
67	MP ALPHA1	Y	.002	4
68	MP ALPHA1	X	-.004	4
69	MP BETA1	Y	.002	4
70	MP BETA1	X	-.003	4
71	MP GAMMA1	Y	.002	4
72	MP GAMMA1	X	-.004	4
73	MP ALPHA1	Y	.006	4
74	MP ALPHA1	X	-.01	4
75	MP BETA1	Y	.006	4
76	MP BETA1	X	-.011	4
77	MP GAMMA1	Y	.006	4
78	MP GAMMA1	X	-.01	4
79	MP ALPHA2	Y	.008	4
80	MP ALPHA2	X	-.014	4
81	MP BETA2	Y	.009	4
82	MP BETA2	X	-.015	4
83	MP ALPHA4	Y	.006	4
84	MP ALPHA4	X	-.011	4
85	MP BETA4	Y	.008	4
86	MP BETA4	X	-.014	4
87	MP GAMMA4	Y	.006	4
88	MP GAMMA4	X	-.011	4
89	MP ALPHA3	Y	.004	4
90	MP ALPHA3	X	-.008	4
91	MP BETA3	Y	.006	4
92	MP BETA3	X	-.01	4
93	MP GAMMA3	Y	.004	4
94	MP GAMMA3	X	-.008	4
95	MP ALPHA3	Y	.004	4
96	MP ALPHA3	X	-.008	4
97	MP BETA3	Y	.006	4
98	MP BETA3	X	-.01	4
99	MP GAMMA3	Y	.004	4
100	MP GAMMA3	X	-.008	4
101	MP ALPHA3	Y	.004	4
102	MP ALPHA3	X	-.008	4
103	MP BETA3	Y	.006	4
104	MP BETA3	X	-.01	4
105	MP GAMMA3	Y	.004	4
106	MP GAMMA3	X	-.008	4
107	MP ALPHA3	Y	.004	4
108	MP ALPHA3	X	-.007	4
109	MP BETA3	Y	.005	4
110	MP BETA3	X	-.009	4
111	MP GAMMA3	Y	.004	4
112	MP GAMMA3	X	-.007	4
113	MP GAMMA3	Y	.008	4
114	MP GAMMA3	X	-.014	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.033	6.083
2	MP ALPHA2	Y	.033	1.917
3	MP ALPHA2	X	-.019	6.083
4	MP ALPHA2	X	-.019	1.917
5	MP BETA2	Y	.033	6.083
6	MP BETA2	Y	.033	1.917
7	MP BETA2	X	-.019	6.083
8	MP BETA2	X	-.019	1.917
9	MP GAMMA2	Y	.022	6.083
10	MP GAMMA2	Y	.022	1.917
11	MP GAMMA2	X	-.013	6.083
12	MP GAMMA2	X	-.013	1.917
13	MP ALPHA1	Y	.016	5.875
14	MP ALPHA1	Y	.016	2.125
15	MP ALPHA1	X	-.009	5.875
16	MP ALPHA1	X	-.009	2.125
17	MP BETA1	Y	.016	5.875
18	MP BETA1	Y	.016	2.125
19	MP BETA1	X	-.009	5.875
20	MP BETA1	X	-.009	2.125
21	MP GAMMA1	Y	.009	5.875
22	MP GAMMA1	Y	.009	2.125
23	MP GAMMA1	X	-.005	5.875
24	MP GAMMA1	X	-.005	2.125
25	MP ALPHA4	Y	.016	6.083
26	MP ALPHA4	Y	.016	1.917
27	MP ALPHA4	X	-.009	6.083
28	MP ALPHA4	X	-.009	1.917
29	MP BETA4	Y	.016	6.083
30	MP BETA4	Y	.016	1.917
31	MP BETA4	X	-.009	6.083
32	MP BETA4	X	-.009	1.917
33	MP GAMMA4	Y	.015	6.083
34	MP GAMMA4	Y	.015	1.917
35	MP GAMMA4	X	-.008	6.083
36	MP GAMMA4	X	-.008	1.917
37	MP ALPHA3	Y	.04	6.083
38	MP ALPHA3	Y	.04	1.917
39	MP ALPHA3	X	-.023	6.083
40	MP ALPHA3	X	-.023	1.917
41	MP BETA3	Y	.04	6.083
42	MP BETA3	Y	.04	1.917
43	MP BETA3	X	-.023	6.083
44	MP BETA3	X	-.023	1.917
45	MP GAMMA3	Y	.02	6.083
46	MP GAMMA3	Y	.02	1.917
47	MP GAMMA3	X	-.012	6.083
48	MP GAMMA3	X	-.012	1.917
49	MP ALPHA2	Y	.013	4
50	MP ALPHA2	X	-.007	4
51	MP BETA2	Y	.013	4
52	MP BETA2	X	-.007	4
53	MP GAMMA2	Y	.007	4
54	MP GAMMA2	X	-.004	4
55	MP ALPHA4	Y	.013	4
56	MP ALPHA4	X	-.008	4
57	MP BETA4	Y	.013	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	-.008	4
59	MP GAMMA4	Y	.01	4
60	MP GAMMA4	X	-.006	4
61	MP ALPHA4	Y	.003	4
62	MP ALPHA4	X	-.002	4
63	MP BETA4	Y	.003	4
64	MP BETA4	X	-.002	4
65	MP GAMMA4	Y	.003	4
66	MP GAMMA4	X	-.002	4
67	MP ALPHA1	Y	.003	4
68	MP ALPHA1	X	-.002	4
69	MP BETA1	Y	.003	4
70	MP BETA1	X	-.002	4
71	MP GAMMA1	Y	.004	4
72	MP GAMMA1	X	-.002	4
73	MP ALPHA1	Y	.01	4
74	MP ALPHA1	X	-.006	4
75	MP BETA1	Y	.01	4
76	MP BETA1	X	-.006	4
77	MP GAMMA1	Y	.009	4
78	MP GAMMA1	X	-.005	4
79	MP ALPHA2	Y	.014	4
80	MP ALPHA2	X	-.008	4
81	MP BETA2	Y	.015	4
82	MP BETA2	X	-.009	4
83	MP ALPHA4	Y	.013	4
84	MP ALPHA4	X	-.008	4
85	MP BETA4	Y	.013	4
86	MP BETA4	X	-.008	4
87	MP GAMMA4	Y	.01	4
88	MP GAMMA4	X	-.006	4
89	MP ALPHA3	Y	.009	4
90	MP ALPHA3	X	-.005	4
91	MP BETA3	Y	.009	4
92	MP BETA3	X	-.005	4
93	MP GAMMA3	Y	.007	4
94	MP GAMMA3	X	-.004	4
95	MP ALPHA3	Y	.009	4
96	MP ALPHA3	X	-.005	4
97	MP BETA3	Y	.009	4
98	MP BETA3	X	-.005	4
99	MP GAMMA3	Y	.007	4
100	MP GAMMA3	X	-.004	4
101	MP ALPHA3	Y	.009	4
102	MP ALPHA3	X	-.005	4
103	MP BETA3	Y	.009	4
104	MP BETA3	X	-.005	4
105	MP GAMMA3	Y	.007	4
106	MP GAMMA3	X	-.004	4
107	MP ALPHA3	Y	.008	4
108	MP ALPHA3	X	-.005	4
109	MP BETA3	Y	.008	4
110	MP BETA3	X	-.005	4
111	MP GAMMA3	Y	.006	4
112	MP GAMMA3	X	-.003	4
113	MP GAMMA3	Y	.014	4
114	MP GAMMA3	X	-.008	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.043	6.083
2	MP ALPHA2	Y	.043	1.917
3	MP BETA2	Y	.03	6.083
4	MP BETA2	Y	.03	1.917
5	MP GAMMA2	Y	.03	6.083
6	MP GAMMA2	Y	.03	1.917
7	MP ALPHA1	Y	.021	5.875
8	MP ALPHA1	Y	.021	2.125
9	MP BETA1	Y	.013	5.875
10	MP BETA1	Y	.013	2.125
11	MP GAMMA1	Y	.013	5.875
12	MP GAMMA1	Y	.013	2.125
13	MP ALPHA4	Y	.019	6.083
14	MP ALPHA4	Y	.019	1.917
15	MP BETA4	Y	.018	6.083
16	MP BETA4	Y	.018	1.917
17	MP GAMMA4	Y	.018	6.083
18	MP GAMMA4	Y	.018	1.917
19	MP ALPHA3	Y	.053	6.083
20	MP ALPHA3	Y	.053	1.917
21	MP BETA3	Y	.031	6.083
22	MP BETA3	Y	.031	1.917
23	MP GAMMA3	Y	.031	6.083
24	MP GAMMA3	Y	.031	1.917
25	MP ALPHA2	Y	.017	4
26	MP BETA2	Y	.011	4
27	MP GAMMA2	Y	.011	4
28	MP ALPHA4	Y	.017	4
29	MP BETA4	Y	.013	4
30	MP GAMMA4	Y	.013	4
31	MP ALPHA4	Y	.004	4
32	MP BETA4	Y	.004	4
33	MP GAMMA4	Y	.004	4
34	MP ALPHA1	Y	.003	4
35	MP BETA1	Y	.005	4
36	MP GAMMA1	Y	.005	4
37	MP ALPHA1	Y	.012	4
38	MP BETA1	Y	.011	4
39	MP GAMMA1	Y	.011	4
40	MP ALPHA2	Y	.017	4
41	MP BETA2	Y	.017	4
42	MP ALPHA4	Y	.017	4
43	MP BETA4	Y	.013	4
44	MP GAMMA4	Y	.013	4
45	MP ALPHA3	Y	.012	4
46	MP BETA3	Y	.009	4
47	MP GAMMA3	Y	.009	4
48	MP ALPHA3	Y	.012	4
49	MP BETA3	Y	.009	4
50	MP GAMMA3	Y	.009	4
51	MP ALPHA3	Y	.012	4
52	MP BETA3	Y	.009	4
53	MP GAMMA3	Y	.009	4
54	MP ALPHA3	Y	.01	4
55	MP BETA3	Y	.008	4
56	MP GAMMA3	Y	.008	4
57	MP GAMMA3	Y	.017	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.033	6.083
2	MP ALPHA2	Y	.033	1.917
3	MP ALPHA2	X	.019	6.083
4	MP ALPHA2	X	.019	1.917
5	MP BETA2	Y	.022	6.083
6	MP BETA2	Y	.022	1.917
7	MP BETA2	X	.013	6.083
8	MP BETA2	X	.013	1.917
9	MP GAMMA2	Y	.033	6.083
10	MP GAMMA2	Y	.033	1.917
11	MP GAMMA2	X	.019	6.083
12	MP GAMMA2	X	.019	1.917
13	MP ALPHA1	Y	.016	5.875
14	MP ALPHA1	Y	.016	2.125
15	MP ALPHA1	X	.009	5.875
16	MP ALPHA1	X	.009	2.125
17	MP BETA1	Y	.009	5.875
18	MP BETA1	Y	.009	2.125
19	MP BETA1	X	.005	5.875
20	MP BETA1	X	.005	2.125
21	MP GAMMA1	Y	.016	5.875
22	MP GAMMA1	Y	.016	2.125
23	MP GAMMA1	X	.009	5.875
24	MP GAMMA1	X	.009	2.125
25	MP ALPHA4	Y	.016	6.083
26	MP ALPHA4	Y	.016	1.917
27	MP ALPHA4	X	.009	6.083
28	MP ALPHA4	X	.009	1.917
29	MP BETA4	Y	.015	6.083
30	MP BETA4	Y	.015	1.917
31	MP BETA4	X	.008	6.083
32	MP BETA4	X	.008	1.917
33	MP GAMMA4	Y	.016	6.083
34	MP GAMMA4	Y	.016	1.917
35	MP GAMMA4	X	.009	6.083
36	MP GAMMA4	X	.009	1.917
37	MP ALPHA3	Y	.04	6.083
38	MP ALPHA3	Y	.04	1.917
39	MP ALPHA3	X	.023	6.083
40	MP ALPHA3	X	.023	1.917
41	MP BETA3	Y	.02	6.083
42	MP BETA3	Y	.02	1.917
43	MP BETA3	X	.012	6.083
44	MP BETA3	X	.012	1.917
45	MP GAMMA3	Y	.04	6.083
46	MP GAMMA3	Y	.04	1.917
47	MP GAMMA3	X	.023	6.083
48	MP GAMMA3	X	.023	1.917
49	MP ALPHA2	Y	.013	4
50	MP ALPHA2	X	.007	4
51	MP BETA2	Y	.007	4
52	MP BETA2	X	.004	4
53	MP GAMMA2	Y	.013	4
54	MP GAMMA2	X	.007	4
55	MP ALPHA4	Y	.013	4
56	MP ALPHA4	X	.008	4
57	MP BETA4	Y	.01	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	.006	4
59	MP GAMMA4	Y	.013	4
60	MP GAMMA4	X	.008	4
61	MP ALPHA4	Y	.003	4
62	MP ALPHA4	X	.002	4
63	MP BETA4	Y	.003	4
64	MP BETA4	X	.002	4
65	MP GAMMA4	Y	.003	4
66	MP GAMMA4	X	.002	4
67	MP ALPHA1	Y	.003	4
68	MP ALPHA1	X	.002	4
69	MP BETA1	Y	.004	4
70	MP BETA1	X	.002	4
71	MP GAMMA1	Y	.003	4
72	MP GAMMA1	X	.002	4
73	MP ALPHA1	Y	.01	4
74	MP ALPHA1	X	.006	4
75	MP BETA1	Y	.009	4
76	MP BETA1	X	.005	4
77	MP GAMMA1	Y	.01	4
78	MP GAMMA1	X	.006	4
79	MP ALPHA2	Y	.014	4
80	MP ALPHA2	X	.008	4
81	MP BETA2	Y	.015	4
82	MP BETA2	X	.009	4
83	MP ALPHA4	Y	.013	4
84	MP ALPHA4	X	.008	4
85	MP BETA4	Y	.01	4
86	MP BETA4	X	.006	4
87	MP GAMMA4	Y	.013	4
88	MP GAMMA4	X	.008	4
89	MP ALPHA3	Y	.009	4
90	MP ALPHA3	X	.005	4
91	MP BETA3	Y	.007	4
92	MP BETA3	X	.004	4
93	MP GAMMA3	Y	.009	4
94	MP GAMMA3	X	.005	4
95	MP ALPHA3	Y	.009	4
96	MP ALPHA3	X	.005	4
97	MP BETA3	Y	.007	4
98	MP BETA3	X	.004	4
99	MP GAMMA3	Y	.009	4
100	MP GAMMA3	X	.005	4
101	MP ALPHA3	Y	.009	4
102	MP ALPHA3	X	.005	4
103	MP BETA3	Y	.007	4
104	MP BETA3	X	.004	4
105	MP GAMMA3	Y	.009	4
106	MP GAMMA3	X	.005	4
107	MP ALPHA3	Y	.008	4
108	MP ALPHA3	X	.005	4
109	MP BETA3	Y	.006	4
110	MP BETA3	X	.003	4
111	MP GAMMA3	Y	.008	4
112	MP GAMMA3	X	.005	4
113	MP GAMMA3	Y	.014	4
114	MP GAMMA3	X	.008	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	.015	6.083
2	MP ALPHA2	Y	.015	1.917
3	MP ALPHA2	X	.026	6.083
4	MP ALPHA2	X	.026	1.917
5	MP BETA2	Y	.015	6.083
6	MP BETA2	Y	.015	1.917
7	MP BETA2	X	.026	6.083
8	MP BETA2	X	.026	1.917
9	MP GAMMA2	Y	.021	6.083
10	MP GAMMA2	Y	.021	1.917
11	MP GAMMA2	X	.037	6.083
12	MP GAMMA2	X	.037	1.917
13	MP ALPHA1	Y	.007	5.875
14	MP ALPHA1	Y	.007	2.125
15	MP ALPHA1	X	.011	5.875
16	MP ALPHA1	X	.011	2.125
17	MP BETA1	Y	.007	5.875
18	MP BETA1	Y	.007	2.125
19	MP BETA1	X	.011	5.875
20	MP BETA1	X	.011	2.125
21	MP GAMMA1	Y	.01	5.875
22	MP GAMMA1	Y	.01	2.125
23	MP GAMMA1	X	.018	5.875
24	MP GAMMA1	X	.018	2.125
25	MP ALPHA4	Y	.009	6.083
26	MP ALPHA4	Y	.009	1.917
27	MP ALPHA4	X	.015	6.083
28	MP ALPHA4	X	.015	1.917
29	MP BETA4	Y	.009	6.083
30	MP BETA4	Y	.009	1.917
31	MP BETA4	X	.015	6.083
32	MP BETA4	X	.015	1.917
33	MP GAMMA4	Y	.01	6.083
34	MP GAMMA4	Y	.01	1.917
35	MP GAMMA4	X	.017	6.083
36	MP GAMMA4	X	.017	1.917
37	MP ALPHA3	Y	.016	6.083
38	MP ALPHA3	Y	.016	1.917
39	MP ALPHA3	X	.027	6.083
40	MP ALPHA3	X	.027	1.917
41	MP BETA3	Y	.016	6.083
42	MP BETA3	Y	.016	1.917
43	MP BETA3	X	.027	6.083
44	MP BETA3	X	.027	1.917
45	MP GAMMA3	Y	.027	6.083
46	MP GAMMA3	Y	.027	1.917
47	MP GAMMA3	X	.046	6.083
48	MP GAMMA3	X	.046	1.917
49	MP ALPHA2	Y	.005	4
50	MP ALPHA2	X	.009	4
51	MP BETA2	Y	.005	4
52	MP BETA2	X	.009	4
53	MP GAMMA2	Y	.008	4
54	MP GAMMA2	X	.014	4
55	MP ALPHA4	Y	.006	4
56	MP ALPHA4	X	.011	4
57	MP BETA4	Y	.006	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	.011	4
59	MP GAMMA4	Y	.008	4
60	MP GAMMA4	X	.014	4
61	MP ALPHA4	Y	.002	4
62	MP ALPHA4	X	.003	4
63	MP BETA4	Y	.002	4
64	MP BETA4	X	.003	4
65	MP GAMMA4	Y	.002	4
66	MP GAMMA4	X	.003	4
67	MP ALPHA1	Y	.002	4
68	MP ALPHA1	X	.004	4
69	MP BETA1	Y	.002	4
70	MP BETA1	X	.004	4
71	MP GAMMA1	Y	.002	4
72	MP GAMMA1	X	.003	4
73	MP ALPHA1	Y	.006	4
74	MP ALPHA1	X	.01	4
75	MP BETA1	Y	.006	4
76	MP BETA1	X	.01	4
77	MP GAMMA1	Y	.006	4
78	MP GAMMA1	X	.011	4
79	MP ALPHA2	Y	.008	4
80	MP ALPHA2	X	.014	4
81	MP BETA2	Y	.009	4
82	MP BETA2	X	.015	4
83	MP ALPHA4	Y	.006	4
84	MP ALPHA4	X	.011	4
85	MP BETA4	Y	.006	4
86	MP BETA4	X	.011	4
87	MP GAMMA4	Y	.008	4
88	MP GAMMA4	X	.014	4
89	MP ALPHA3	Y	.004	4
90	MP ALPHA3	X	.008	4
91	MP BETA3	Y	.004	4
92	MP BETA3	X	.008	4
93	MP GAMMA3	Y	.006	4
94	MP GAMMA3	X	.01	4
95	MP ALPHA3	Y	.004	4
96	MP ALPHA3	X	.008	4
97	MP BETA3	Y	.004	4
98	MP BETA3	X	.008	4
99	MP GAMMA3	Y	.006	4
100	MP GAMMA3	X	.01	4
101	MP ALPHA3	Y	.004	4
102	MP ALPHA3	X	.008	4
103	MP BETA3	Y	.004	4
104	MP BETA3	X	.008	4
105	MP GAMMA3	Y	.006	4
106	MP GAMMA3	X	.01	4
107	MP ALPHA3	Y	.004	4
108	MP ALPHA3	X	.007	4
109	MP BETA3	Y	.004	4
110	MP BETA3	X	.007	4
111	MP GAMMA3	Y	.005	4
112	MP GAMMA3	X	.009	4
113	MP GAMMA3	Y	.008	4
114	MP GAMMA3	X	.014	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	X	.026	6.083
2	MP ALPHA2	X	.026	1.917
3	MP BETA2	X	.039	6.083
4	MP BETA2	X	.039	1.917
5	MP GAMMA2	X	.039	6.083
6	MP GAMMA2	X	.039	1.917
7	MP ALPHA1	X	.011	5.875
8	MP ALPHA1	X	.011	2.125
9	MP BETA1	X	.018	5.875
10	MP BETA1	X	.018	2.125
11	MP GAMMA1	X	.018	5.875
12	MP GAMMA1	X	.018	2.125
13	MP ALPHA4	X	.017	6.083
14	MP ALPHA4	X	.017	1.917
15	MP BETA4	X	.019	6.083
16	MP BETA4	X	.019	1.917
17	MP GAMMA4	X	.019	6.083
18	MP GAMMA4	X	.019	1.917
19	MP ALPHA3	X	.024	6.083
20	MP ALPHA3	X	.024	1.917
21	MP BETA3	X	.046	6.083
22	MP BETA3	X	.046	1.917
23	MP GAMMA3	X	.046	6.083
24	MP GAMMA3	X	.046	1.917
25	MP ALPHA2	X	.009	4
26	MP BETA2	X	.015	4
27	MP GAMMA2	X	.015	4
28	MP ALPHA4	X	.011	4
29	MP BETA4	X	.015	4
30	MP GAMMA4	X	.015	4
31	MP ALPHA4	X	.004	4
32	MP BETA4	X	.004	4
33	MP GAMMA4	X	.004	4
34	MP ALPHA1	X	.005	4
35	MP BETA1	X	.004	4
36	MP GAMMA1	X	.004	4
37	MP ALPHA1	X	.011	4
38	MP BETA1	X	.012	4
39	MP GAMMA1	X	.012	4
40	MP ALPHA2	X	.017	4
41	MP BETA2	X	.017	4
42	MP ALPHA4	X	.011	4
43	MP BETA4	X	.015	4
44	MP GAMMA4	X	.015	4
45	MP ALPHA3	X	.008	4
46	MP BETA3	X	.011	4
47	MP GAMMA3	X	.011	4
48	MP ALPHA3	X	.008	4
49	MP BETA3	X	.011	4
50	MP GAMMA3	X	.011	4
51	MP ALPHA3	X	.008	4
52	MP BETA3	X	.011	4
53	MP GAMMA3	X	.011	4
54	MP ALPHA3	X	.007	4
55	MP BETA3	X	.01	4
56	MP GAMMA3	X	.01	4
57	MP GAMMA3	X	.017	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.015	6.083
2	MP ALPHA2	Y	-.015	1.917
3	MP ALPHA2	X	.026	6.083
4	MP ALPHA2	X	.026	1.917
5	MP BETA2	Y	-.021	6.083
6	MP BETA2	Y	-.021	1.917
7	MP BETA2	X	.037	6.083
8	MP BETA2	X	.037	1.917
9	MP GAMMA2	Y	-.015	6.083
10	MP GAMMA2	Y	-.015	1.917
11	MP GAMMA2	X	.026	6.083
12	MP GAMMA2	X	.026	1.917
13	MP ALPHA1	Y	-.007	5.875
14	MP ALPHA1	Y	-.007	2.125
15	MP ALPHA1	X	.011	5.875
16	MP ALPHA1	X	.011	2.125
17	MP BETA1	Y	-.01	5.875
18	MP BETA1	Y	-.01	2.125
19	MP BETA1	X	.018	5.875
20	MP BETA1	X	.018	2.125
21	MP GAMMA1	Y	-.007	5.875
22	MP GAMMA1	Y	-.007	2.125
23	MP GAMMA1	X	.011	5.875
24	MP GAMMA1	X	.011	2.125
25	MP ALPHA4	Y	-.009	6.083
26	MP ALPHA4	Y	-.009	1.917
27	MP ALPHA4	X	.015	6.083
28	MP ALPHA4	X	.015	1.917
29	MP BETA4	Y	-.01	6.083
30	MP BETA4	Y	-.01	1.917
31	MP BETA4	X	.017	6.083
32	MP BETA4	X	.017	1.917
33	MP GAMMA4	Y	-.009	6.083
34	MP GAMMA4	Y	-.009	1.917
35	MP GAMMA4	X	.015	6.083
36	MP GAMMA4	X	.015	1.917
37	MP ALPHA3	Y	-.016	6.083
38	MP ALPHA3	Y	-.016	1.917
39	MP ALPHA3	X	.027	6.083
40	MP ALPHA3	X	.027	1.917
41	MP BETA3	Y	-.027	6.083
42	MP BETA3	Y	-.027	1.917
43	MP BETA3	X	.046	6.083
44	MP BETA3	X	.046	1.917
45	MP GAMMA3	Y	-.016	6.083
46	MP GAMMA3	Y	-.016	1.917
47	MP GAMMA3	X	.027	6.083
48	MP GAMMA3	X	.027	1.917
49	MP ALPHA2	Y	-.005	4
50	MP ALPHA2	X	.009	4
51	MP BETA2	Y	-.008	4
52	MP BETA2	X	.014	4
53	MP GAMMA2	Y	-.005	4
54	MP GAMMA2	X	.009	4
55	MP ALPHA4	Y	-.006	4
56	MP ALPHA4	X	.011	4
57	MP BETA4	Y	-.008	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft,%]
58	MP BETA4	X	.014	4
59	MP GAMMA4	Y	-.006	4
60	MP GAMMA4	X	.011	4
61	MP ALPHA4	Y	-.002	4
62	MP ALPHA4	X	.003	4
63	MP BETA4	Y	-.002	4
64	MP BETA4	X	.003	4
65	MP GAMMA4	Y	-.002	4
66	MP GAMMA4	X	.003	4
67	MP ALPHA1	Y	-.002	4
68	MP ALPHA1	X	.004	4
69	MP BETA1	Y	-.002	4
70	MP BETA1	X	.003	4
71	MP GAMMA1	Y	-.002	4
72	MP GAMMA1	X	.004	4
73	MP ALPHA1	Y	-.006	4
74	MP ALPHA1	X	.01	4
75	MP BETA1	Y	-.006	4
76	MP BETA1	X	.011	4
77	MP GAMMA1	Y	-.006	4
78	MP GAMMA1	X	.01	4
79	MP ALPHA2	Y	-.008	4
80	MP ALPHA2	X	.014	4
81	MP BETA2	Y	-.009	4
82	MP BETA2	X	.015	4
83	MP ALPHA4	Y	-.006	4
84	MP ALPHA4	X	.011	4
85	MP BETA4	Y	-.008	4
86	MP BETA4	X	.014	4
87	MP GAMMA4	Y	-.006	4
88	MP GAMMA4	X	.011	4
89	MP ALPHA3	Y	-.004	4
90	MP ALPHA3	X	.008	4
91	MP BETA3	Y	-.006	4
92	MP BETA3	X	.01	4
93	MP GAMMA3	Y	-.004	4
94	MP GAMMA3	X	.008	4
95	MP ALPHA3	Y	-.004	4
96	MP ALPHA3	X	.008	4
97	MP BETA3	Y	-.006	4
98	MP BETA3	X	.01	4
99	MP GAMMA3	Y	-.004	4
100	MP GAMMA3	X	.008	4
101	MP ALPHA3	Y	-.004	4
102	MP ALPHA3	X	.008	4
103	MP BETA3	Y	-.006	4
104	MP BETA3	X	.01	4
105	MP GAMMA3	Y	-.004	4
106	MP GAMMA3	X	.008	4
107	MP ALPHA3	Y	-.004	4
108	MP ALPHA3	X	.007	4
109	MP BETA3	Y	-.005	4
110	MP BETA3	X	.009	4
111	MP GAMMA3	Y	-.004	4
112	MP GAMMA3	X	.007	4
113	MP GAMMA3	Y	-.008	4
114	MP GAMMA3	X	.014	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.033	6.083
2	MP ALPHA2	Y	-.033	1.917
3	MP ALPHA2	X	.019	6.083
4	MP ALPHA2	X	.019	1.917
5	MP BETA2	Y	-.033	6.083
6	MP BETA2	Y	-.033	1.917
7	MP BETA2	X	.019	6.083
8	MP BETA2	X	.019	1.917
9	MP GAMMA2	Y	-.022	6.083
10	MP GAMMA2	Y	-.022	1.917
11	MP GAMMA2	X	.013	6.083
12	MP GAMMA2	X	.013	1.917
13	MP ALPHA1	Y	-.016	5.875
14	MP ALPHA1	Y	-.016	2.125
15	MP ALPHA1	X	.009	5.875
16	MP ALPHA1	X	.009	2.125
17	MP BETA1	Y	-.016	5.875
18	MP BETA1	Y	-.016	2.125
19	MP BETA1	X	.009	5.875
20	MP BETA1	X	.009	2.125
21	MP GAMMA1	Y	-.009	5.875
22	MP GAMMA1	Y	-.009	2.125
23	MP GAMMA1	X	.005	5.875
24	MP GAMMA1	X	.005	2.125
25	MP ALPHA4	Y	-.016	6.083
26	MP ALPHA4	Y	-.016	1.917
27	MP ALPHA4	X	.009	6.083
28	MP ALPHA4	X	.009	1.917
29	MP BETA4	Y	-.016	6.083
30	MP BETA4	Y	-.016	1.917
31	MP BETA4	X	.009	6.083
32	MP BETA4	X	.009	1.917
33	MP GAMMA4	Y	-.015	6.083
34	MP GAMMA4	Y	-.015	1.917
35	MP GAMMA4	X	.008	6.083
36	MP GAMMA4	X	.008	1.917
37	MP ALPHA3	Y	-.04	6.083
38	MP ALPHA3	Y	-.04	1.917
39	MP ALPHA3	X	.023	6.083
40	MP ALPHA3	X	.023	1.917
41	MP BETA3	Y	-.04	6.083
42	MP BETA3	Y	-.04	1.917
43	MP BETA3	X	.023	6.083
44	MP BETA3	X	.023	1.917
45	MP GAMMA3	Y	-.02	6.083
46	MP GAMMA3	Y	-.02	1.917
47	MP GAMMA3	X	.012	6.083
48	MP GAMMA3	X	.012	1.917
49	MP ALPHA2	Y	-.013	4
50	MP ALPHA2	X	.007	4
51	MP BETA2	Y	-.013	4
52	MP BETA2	X	.007	4
53	MP GAMMA2	Y	-.007	4
54	MP GAMMA2	X	.004	4
55	MP ALPHA4	Y	-.013	4
56	MP ALPHA4	X	.008	4
57	MP BETA4	Y	-.013	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft, %]
58	MP BETA4	X	.008	4
59	MP GAMMA4	Y	-.01	4
60	MP GAMMA4	X	.006	4
61	MP ALPHA4	Y	-.003	4
62	MP ALPHA4	X	.002	4
63	MP BETA4	Y	-.003	4
64	MP BETA4	X	.002	4
65	MP GAMMA4	Y	-.003	4
66	MP GAMMA4	X	.002	4
67	MP ALPHA1	Y	-.003	4
68	MP ALPHA1	X	.002	4
69	MP BETA1	Y	-.003	4
70	MP BETA1	X	.002	4
71	MP GAMMA1	Y	-.004	4
72	MP GAMMA1	X	.002	4
73	MP ALPHA1	Y	-.01	4
74	MP ALPHA1	X	.006	4
75	MP BETA1	Y	-.01	4
76	MP BETA1	X	.006	4
77	MP GAMMA1	Y	-.009	4
78	MP GAMMA1	X	.005	4
79	MP ALPHA2	Y	-.014	4
80	MP ALPHA2	X	.008	4
81	MP BETA2	Y	-.015	4
82	MP BETA2	X	.009	4
83	MP ALPHA4	Y	-.013	4
84	MP ALPHA4	X	.008	4
85	MP BETA4	Y	-.013	4
86	MP BETA4	X	.008	4
87	MP GAMMA4	Y	-.01	4
88	MP GAMMA4	X	.006	4
89	MP ALPHA3	Y	-.009	4
90	MP ALPHA3	X	.005	4
91	MP BETA3	Y	-.009	4
92	MP BETA3	X	.005	4
93	MP GAMMA3	Y	-.007	4
94	MP GAMMA3	X	.004	4
95	MP ALPHA3	Y	-.009	4
96	MP ALPHA3	X	.005	4
97	MP BETA3	Y	-.009	4
98	MP BETA3	X	.005	4
99	MP GAMMA3	Y	-.007	4
100	MP GAMMA3	X	.004	4
101	MP ALPHA3	Y	-.009	4
102	MP ALPHA3	X	.005	4
103	MP BETA3	Y	-.009	4
104	MP BETA3	X	.005	4
105	MP GAMMA3	Y	-.007	4
106	MP GAMMA3	X	.004	4
107	MP ALPHA3	Y	-.008	4
108	MP ALPHA3	X	.005	4
109	MP BETA3	Y	-.008	4
110	MP BETA3	X	.005	4
111	MP GAMMA3	Y	-.006	4
112	MP GAMMA3	X	.003	4
113	MP GAMMA3	Y	-.014	4
114	MP GAMMA3	X	.008	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	X	-.002	6.083
2	MP ALPHA2	X	-.002	1.917
3	MP BETA2	X	-.002	6.083
4	MP BETA2	X	-.002	1.917
5	MP GAMMA2	X	-.002	6.083
6	MP GAMMA2	X	-.002	1.917
7	MP ALPHA1	X	-.002	5.875
8	MP ALPHA1	X	-.002	2.125
9	MP BETA1	X	-.002	5.875
10	MP BETA1	X	-.002	2.125
11	MP GAMMA1	X	-.002	5.875
12	MP GAMMA1	X	-.002	2.125
13	MP ALPHA4	X	-.005	6.083
14	MP ALPHA4	X	-.005	1.917
15	MP BETA4	X	-.005	6.083
16	MP BETA4	X	-.005	1.917
17	MP GAMMA4	X	-.005	6.083
18	MP GAMMA4	X	-.005	1.917
19	MP ALPHA3	X	-.005	6.083
20	MP ALPHA3	X	-.005	1.917
21	MP BETA3	X	-.005	6.083
22	MP BETA3	X	-.005	1.917
23	MP GAMMA3	X	-.005	6.083
24	MP GAMMA3	X	-.005	1.917
25	MP ALPHA2	X	-.005	4
26	MP BETA2	X	-.005	4
27	MP GAMMA2	X	-.005	4
28	MP ALPHA4	X	-.005	4
29	MP BETA4	X	-.005	4
30	MP GAMMA4	X	-.005	4
31	MP ALPHA4	X	-.002	4
32	MP BETA4	X	-.002	4
33	MP GAMMA4	X	-.002	4
34	MP ALPHA1	X	-.000425	4
35	MP BETA1	X	-.000425	4
36	MP GAMMA1	X	-.000425	4
37	MP ALPHA1	X	-.004	4
38	MP BETA1	X	-.004	4
39	MP GAMMA1	X	-.004	4
40	MP ALPHA2	X	-.003	4
41	MP BETA2	X	-.003	4
42	MP ALPHA4	X	-.005	4
43	MP BETA4	X	-.005	4
44	MP GAMMA4	X	-.005	4
45	MP ALPHA3	X	-.006	4
46	MP BETA3	X	-.006	4
47	MP GAMMA3	X	-.006	4
48	MP ALPHA3	X	-.006	4
49	MP BETA3	X	-.006	4
50	MP GAMMA3	X	-.006	4
51	MP ALPHA3	X	-.006	4
52	MP BETA3	X	-.006	4
53	MP GAMMA3	X	-.006	4
54	MP ALPHA3	X	-.003	4
55	MP BETA3	X	-.003	4
56	MP GAMMA3	X	-.003	4
57	MP GAMMA3	X	-.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Y	-.002	6.083
2	MP ALPHA2	Y	-.002	1.917
3	MP BETA2	Y	-.002	6.083
4	MP BETA2	Y	-.002	1.917
5	MP GAMMA2	Y	-.002	6.083
6	MP GAMMA2	Y	-.002	1.917
7	MP ALPHA1	Y	-.002	5.875
8	MP ALPHA1	Y	-.002	2.125
9	MP BETA1	Y	-.002	5.875
10	MP BETA1	Y	-.002	2.125
11	MP GAMMA1	Y	-.002	5.875
12	MP GAMMA1	Y	-.002	2.125
13	MP ALPHA4	Y	-.005	6.083
14	MP ALPHA4	Y	-.005	1.917
15	MP BETA4	Y	-.005	6.083
16	MP BETA4	Y	-.005	1.917
17	MP GAMMA4	Y	-.005	6.083
18	MP GAMMA4	Y	-.005	1.917
19	MP ALPHA3	Y	-.005	6.083
20	MP ALPHA3	Y	-.005	1.917
21	MP BETA3	Y	-.005	6.083
22	MP BETA3	Y	-.005	1.917
23	MP GAMMA3	Y	-.005	6.083
24	MP GAMMA3	Y	-.005	1.917
25	MP ALPHA2	Y	-.005	4
26	MP BETA2	Y	-.005	4
27	MP GAMMA2	Y	-.005	4
28	MP ALPHA4	Y	-.005	4
29	MP BETA4	Y	-.005	4
30	MP GAMMA4	Y	-.005	4
31	MP ALPHA4	Y	-.002	4
32	MP BETA4	Y	-.002	4
33	MP GAMMA4	Y	-.002	4
34	MP ALPHA1	Y	-.000425	4
35	MP BETA1	Y	-.000425	4
36	MP GAMMA1	Y	-.000425	4
37	MP ALPHA1	Y	-.004	4
38	MP BETA1	Y	-.004	4
39	MP GAMMA1	Y	-.004	4
40	MP ALPHA2	Y	-.003	4
41	MP BETA2	Y	-.003	4
42	MP ALPHA4	Y	-.005	4
43	MP BETA4	Y	-.005	4
44	MP GAMMA4	Y	-.005	4
45	MP ALPHA3	Y	-.006	4
46	MP BETA3	Y	-.006	4
47	MP GAMMA3	Y	-.006	4
48	MP ALPHA3	Y	-.006	4
49	MP BETA3	Y	-.006	4
50	MP GAMMA3	Y	-.006	4
51	MP ALPHA3	Y	-.006	4
52	MP BETA3	Y	-.006	4
53	MP GAMMA3	Y	-.006	4
54	MP ALPHA3	Y	-.003	4
55	MP BETA3	Y	-.003	4
56	MP GAMMA3	Y	-.003	4
57	MP GAMMA3	Y	-.003	4

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

	Member Label	Direction	Magnitude[k.k-ft]	Location[ft.%]
1	MP ALPHA2	Z	-0.000925	6.083
2	MP ALPHA2	Z	-0.000925	1.917
3	MP BETA2	Z	-0.000925	6.083
4	MP BETA2	Z	-0.000925	1.917
5	MP GAMMA2	Z	-0.000925	6.083
6	MP GAMMA2	Z	-0.000925	1.917
7	MP ALPHA1	Z	-0.000772	5.875
8	MP ALPHA1	Z	-0.000772	2.125
9	MP BETA1	Z	-0.000772	5.875
10	MP BETA1	Z	-0.000772	2.125
11	MP GAMMA1	Z	-0.000772	5.875
12	MP GAMMA1	Z	-0.000772	2.125
13	MP ALPHA4	Z	-0.002	6.083
14	MP ALPHA4	Z	-0.002	1.917
15	MP BETA4	Z	-0.002	6.083
16	MP BETA4	Z	-0.002	1.917
17	MP GAMMA4	Z	-0.002	6.083
18	MP GAMMA4	Z	-0.002	1.917
19	MP ALPHA3	Z	-0.002	6.083
20	MP ALPHA3	Z	-0.002	1.917
21	MP BETA3	Z	-0.002	6.083
22	MP BETA3	Z	-0.002	1.917
23	MP GAMMA3	Z	-0.002	6.083
24	MP GAMMA3	Z	-0.002	1.917
25	MP ALPHA2	Z	-0.002	4
26	MP BETA2	Z	-0.002	4
27	MP GAMMA2	Z	-0.002	4
28	MP ALPHA4	Z	-0.002	4
29	MP BETA4	Z	-0.002	4
30	MP GAMMA4	Z	-0.002	4
31	MP ALPHA4	Z	-0.000981	4
32	MP BETA4	Z	-0.000981	4
33	MP GAMMA4	Z	-0.000981	4
34	MP ALPHA1	Z	-0.00017	4
35	MP BETA1	Z	-0.00017	4
36	MP GAMMA1	Z	-0.00017	4
37	MP ALPHA1	Z	-0.002	4
38	MP BETA1	Z	-0.002	4
39	MP GAMMA1	Z	-0.002	4
40	MP ALPHA2	Z	-0.001	4
41	MP BETA2	Z	-0.001	4
42	MP ALPHA4	Z	-0.002	4
43	MP BETA4	Z	-0.002	4
44	MP GAMMA4	Z	-0.002	4
45	MP ALPHA3	Z	-0.002	4
46	MP BETA3	Z	-0.002	4
47	MP GAMMA3	Z	-0.002	4
48	MP ALPHA3	Z	-0.002	4
49	MP BETA3	Z	-0.002	4
50	MP GAMMA3	Z	-0.002	4
51	MP ALPHA3	Z	-0.002	4
52	MP BETA3	Z	-0.002	4
53	MP GAMMA3	Z	-0.002	4
54	MP ALPHA3	Z	-0.001	4
55	MP BETA3	Z	-0.001	4
56	MP GAMMA3	Z	-0.001	4
57	MP GAMMA3	Z	-0.001	4

Member Area Loads (BLC 3 : Dead Load)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N11	N15	N18	N14	Z	Two Way	-.01
2	N24	N20	N23	N27	Z	Two Way	-.01
3	N33	N29	N32	N36	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	N11	N15	N18	N14	Z	Two Way	-.025
2	N24	N20	N23	N27	Z	Two Way	-.025
3	N33	N29	N32	N36	Z	Two Way	-.025

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
1	Support12	PY	-.004	-.004	0	0
2	Support11	PY	-.004	-.004	0	0
3	Support10	PY	-.004	-.004	0	0
4	Support9	PY	-.004	-.004	0	0
5	Support8	PY	-.004	-.004	0	0
6	Support7	PY	-.004	-.004	0	0
7	Support6	PY	-.004	-.004	0	0
8	Support5	PY	-.004	-.004	0	0
9	Support4	PY	-.004	-.004	0	0
10	Support3	PY	-.004	-.004	0	0
11	Support2	PY	-.004	-.004	0	0
12	Support1	PY	-.004	-.004	0	0
13	Standoff3	PY	-.008	-.008	0	0
14	Standoff1	PY	-.008	-.008	0	0
15	STANDOFF2	PY	-.008	-.008	0	0
16	Rail1	PY	-.003	-.003	0	0
17	RSUPPORT3	PY	-.003	-.003	0	0
18	RSUPPORT2	PY	-.003	-.003	0	0
19	RSUPPORT1	PY	-.003	-.003	0	0
20	RAIL3	PY	-.01	-.01	0	0
21	RAIL2	PY	-.01	-.01	0	0
22	MP GAMMA4	PY	-.009	-.009	0	0
23	MP GAMMA3	PY	-.009	-.009	0	0
24	MP GAMMA2	PY	-.009	-.009	0	0
25	MP GAMMA1	PY	-.009	-.009	0	0
26	MP BETA4	PY	-.009	-.009	0	0
27	MP BETA3	PY	-.009	-.009	0	0
28	MP BETA2	PY	-.009	-.009	0	0
29	MP BETA1	PY	-.009	-.009	0	0
30	MP ALPHA4	PY	-.009	-.009	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	KICKER3	PY	-.005	-.005	0	0
35	KICKER2	PY	-.005	-.005	0	0
36	KICKER1	PY	-.005	-.005	0	0
37	Face1	PY	-.008	-.008	0	0
38	FACE3	PY	-.029	-.029	0	0
39	FACE2	PY	-.029	-.029	0	0

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

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	-.003	-.003	0	0
2	Support11	PY	-.003	-.003	0	0
3	Support10	PY	-.003	-.003	0	0
4	Support9	PY	-.003	-.003	0	0
5	Support8	PY	-.003	-.003	0	0
6	Support7	PY	-.003	-.003	0	0
7	Support6	PY	-.003	-.003	0	0
8	Support5	PY	-.003	-.003	0	0
9	Support4	PY	-.003	-.003	0	0
10	Support3	PY	-.003	-.003	0	0
11	Support2	PY	-.003	-.003	0	0
12	Support1	PY	-.003	-.003	0	0
13	Standoff3	PY	-.007	-.007	0	0
14	Standoff1	PY	-.007	-.007	0	0
15	STANDOFF2	PY	-.007	-.007	0	0
16	Rail1	PY	-.002	-.002	0	0
17	RSUPPORT3	PY	-.002	-.002	0	0
18	RSUPPORT2	PY	-.002	-.002	0	0
19	RSUPPORT1	PY	-.002	-.002	0	0
20	RAIL3	PY	-.009	-.009	0	0
21	RAIL2	PY	-.009	-.009	0	0
22	MP GAMMA4	PY	-.008	-.008	0	0
23	MP GAMMA3	PY	-.008	-.008	0	0
24	MP GAMMA2	PY	-.008	-.008	0	0
25	MP GAMMA1	PY	-.008	-.008	0	0
26	MP BETA4	PY	-.008	-.008	0	0
27	MP BETA3	PY	-.008	-.008	0	0
28	MP BETA2	PY	-.008	-.008	0	0
29	MP BETA1	PY	-.008	-.008	0	0
30	MP ALPHA4	PY	-.008	-.008	0	0
31	MP ALPHA3	PY	-.008	-.008	0	0
32	MP ALPHA2	PY	-.008	-.008	0	0
33	MP ALPHA1	PY	-.008	-.008	0	0
34	KICKER3	PY	-.004	-.004	0	0
35	KICKER2	PY	-.004	-.004	0	0
36	KICKER1	PY	-.004	-.004	0	0
37	Face1	PY	-.007	-.007	0	0
38	FACE3	PY	-.025	-.025	0	0
39	FACE2	PY	-.025	-.025	0	0
40	Support12	PX	-.002	-.002	0	0
41	Support11	PX	-.002	-.002	0	0
42	Support10	PX	-.002	-.002	0	0
43	Support9	PX	-.002	-.002	0	0
44	Support8	PX	-.002	-.002	0	0
45	Support7	PX	-.002	-.002	0	0
46	Support6	PX	-.002	-.002	0	0
47	Support5	PX	-.002	-.002	0	0
48	Support4	PX	-.002	-.002	0	0
49	Support3	PX	-.002	-.002	0	0
50	Support2	PX	-.002	-.002	0	0
51	Support1	PX	-.002	-.002	0	0
52	Standoff3	PX	-.004	-.004	0	0
53	Standoff1	PX	-.004	-.004	0	0
54	STANDOFF2	PX	-.004	-.004	0	0
55	Rail1	PX	-.001	-.001	0	0
56	RSUPPORT3	PX	-.001	-.001	0	0
57	RSUPPORT2	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
58	RSUPPORT1	PX	-0.001	-0.001	0	0
59	RAIL3	PX	-0.005	-0.005	0	0
60	RAIL2	PX	-0.005	-0.005	0	0
61	MP GAMMA4	PX	-0.005	-0.005	0	0
62	MP GAMMA3	PX	-0.005	-0.005	0	0
63	MP GAMMA2	PX	-0.005	-0.005	0	0
64	MP GAMMA1	PX	-0.005	-0.005	0	0
65	MP BETA4	PX	-0.005	-0.005	0	0
66	MP BETA3	PX	-0.005	-0.005	0	0
67	MP BETA2	PX	-0.005	-0.005	0	0
68	MP BETA1	PX	-0.005	-0.005	0	0
69	MP ALPHA4	PX	-0.005	-0.005	0	0
70	MP ALPHA3	PX	-0.005	-0.005	0	0
71	MP ALPHA2	PX	-0.005	-0.005	0	0
72	MP ALPHA1	PX	-0.005	-0.005	0	0
73	KICKER3	PX	-0.002	-0.002	0	0
74	KICKER2	PX	-0.002	-0.002	0	0
75	KICKER1	PX	-0.002	-0.002	0	0
76	Face1	PX	-0.004	-0.004	0	0
77	FACE3	PX	-0.014	-0.014	0	0
78	FACE2	PX	-0.014	-0.014	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
1	Support12	PY	-0.002	-0.002	0	0
2	Support11	PY	-0.002	-0.002	0	0
3	Support10	PY	-0.002	-0.002	0	0
4	Support9	PY	-0.002	-0.002	0	0
5	Support8	PY	-0.002	-0.002	0	0
6	Support7	PY	-0.002	-0.002	0	0
7	Support6	PY	-0.002	-0.002	0	0
8	Support5	PY	-0.002	-0.002	0	0
9	Support4	PY	-0.002	-0.002	0	0
10	Support3	PY	-0.002	-0.002	0	0
11	Support2	PY	-0.002	-0.002	0	0
12	Support1	PY	-0.002	-0.002	0	0
13	Standoff3	PY	-0.004	-0.004	0	0
14	Standoff1	PY	-0.004	-0.004	0	0
15	STANDOFF2	PY	-0.004	-0.004	0	0
16	Rail1	PY	-0.001	-0.001	0	0
17	RSUPPORT3	PY	-0.001	-0.001	0	0
18	RSUPPORT2	PY	-0.001	-0.001	0	0
19	RSUPPORT1	PY	-0.001	-0.001	0	0
20	RAIL3	PY	-0.005	-0.005	0	0
21	RAIL2	PY	-0.005	-0.005	0	0
22	MP GAMMA4	PY	-0.005	-0.005	0	0
23	MP GAMMA3	PY	-0.005	-0.005	0	0
24	MP GAMMA2	PY	-0.005	-0.005	0	0
25	MP GAMMA1	PY	-0.005	-0.005	0	0
26	MP BETA4	PY	-0.005	-0.005	0	0
27	MP BETA3	PY	-0.005	-0.005	0	0
28	MP BETA2	PY	-0.005	-0.005	0	0
29	MP BETA1	PY	-0.005	-0.005	0	0
30	MP ALPHA4	PY	-0.005	-0.005	0	0
31	MP ALPHA3	PY	-0.005	-0.005	0	0
32	MP ALPHA2	PY	-0.005	-0.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
33	MP ALPHA1	PY	-.005	-.005	0	0
34	KICKER3	PY	-.002	-.002	0	0
35	KICKER2	PY	-.002	-.002	0	0
36	KICKER1	PY	-.002	-.002	0	0
37	Face1	PY	-.004	-.004	0	0
38	FACE3	PY	-.014	-.014	0	0
39	FACE2	PY	-.014	-.014	0	0
40	Support12	PX	-.003	-.003	0	0
41	Support11	PX	-.003	-.003	0	0
42	Support10	PX	-.003	-.003	0	0
43	Support9	PX	-.003	-.003	0	0
44	Support8	PX	-.003	-.003	0	0
45	Support7	PX	-.003	-.003	0	0
46	Support6	PX	-.003	-.003	0	0
47	Support5	PX	-.003	-.003	0	0
48	Support4	PX	-.003	-.003	0	0
49	Support3	PX	-.003	-.003	0	0
50	Support2	PX	-.003	-.003	0	0
51	Support1	PX	-.003	-.003	0	0
52	Standoff3	PX	-.007	-.007	0	0
53	Standoff1	PX	-.007	-.007	0	0
54	STANDOFF2	PX	-.007	-.007	0	0
55	Rail1	PX	-.002	-.002	0	0
56	RSUPPORT3	PX	-.002	-.002	0	0
57	RSUPPORT2	PX	-.002	-.002	0	0
58	RSUPPORT1	PX	-.002	-.002	0	0
59	RAIL3	PX	-.009	-.009	0	0
60	RAIL2	PX	-.009	-.009	0	0
61	MP GAMMA4	PX	-.008	-.008	0	0
62	MP GAMMA3	PX	-.008	-.008	0	0
63	MP GAMMA2	PX	-.008	-.008	0	0
64	MP GAMMA1	PX	-.008	-.008	0	0
65	MP BETA4	PX	-.008	-.008	0	0
66	MP BETA3	PX	-.008	-.008	0	0
67	MP BETA2	PX	-.008	-.008	0	0
68	MP BETA1	PX	-.008	-.008	0	0
69	MP ALPHA4	PX	-.008	-.008	0	0
70	MP ALPHA3	PX	-.008	-.008	0	0
71	MP ALPHA2	PX	-.008	-.008	0	0
72	MP ALPHA1	PX	-.008	-.008	0	0
73	KICKER3	PX	-.004	-.004	0	0
74	KICKER2	PX	-.004	-.004	0	0
75	KICKER1	PX	-.004	-.004	0	0
76	Face1	PX	-.007	-.007	0	0
77	FACE3	PX	-.025	-.025	0	0
78	FACE2	PX	-.025	-.025	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PX	-.004	-.004	0	0
2	Support11	PX	-.004	-.004	0	0
3	Support10	PX	-.004	-.004	0	0
4	Support9	PX	-.004	-.004	0	0
5	Support8	PX	-.004	-.004	0	0
6	Support7	PX	-.004	-.004	0	0
7	Support6	PX	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
8	Support5	PX	-.004	-.004	0	0
9	Support4	PX	-.004	-.004	0	0
10	Support3	PX	-.004	-.004	0	0
11	Support2	PX	-.004	-.004	0	0
12	Support1	PX	-.004	-.004	0	0
13	Standoff3	PX	-.008	-.008	0	0
14	Standoff1	PX	-.008	-.008	0	0
15	STANDOFF2	PX	-.008	-.008	0	0
16	RAIL2	PX	-.003	-.003	0	0
17	RSUPPORT3	PX	-.003	-.003	0	0
18	RSUPPORT2	PX	-.003	-.003	0	0
19	RSUPPORT1	PX	-.003	-.003	0	0
20	RAIL3	PX	-.01	-.01	0	0
21	Rail1	PX	-.01	-.01	0	0
22	MP GAMMA4	PX	-.009	-.009	0	0
23	MP GAMMA3	PX	-.009	-.009	0	0
24	MP GAMMA2	PX	-.009	-.009	0	0
25	MP GAMMA1	PX	-.009	-.009	0	0
26	MP BETA4	PX	-.009	-.009	0	0
27	MP BETA3	PX	-.009	-.009	0	0
28	MP BETA2	PX	-.009	-.009	0	0
29	MP BETA1	PX	-.009	-.009	0	0
30	MP ALPHA4	PX	-.009	-.009	0	0
31	MP ALPHA3	PX	-.009	-.009	0	0
32	MP ALPHA2	PX	-.009	-.009	0	0
33	MP ALPHA1	PX	-.009	-.009	0	0
34	KICKER3	PX	-.005	-.005	0	0
35	KICKER2	PX	-.005	-.005	0	0
36	KICKER1	PX	-.005	-.005	0	0
37	FACE2	PX	-.008	-.008	0	0
38	FACE3	PX	-.029	-.029	0	0
39	Face1	PX	-.029	-.029	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	Support12	PY	.002	.002	0	0
2	Support11	PY	.002	.002	0	0
3	Support10	PY	.002	.002	0	0
4	Support9	PY	.002	.002	0	0
5	Support8	PY	.002	.002	0	0
6	Support7	PY	.002	.002	0	0
7	Support6	PY	.002	.002	0	0
8	Support5	PY	.002	.002	0	0
9	Support4	PY	.002	.002	0	0
10	Support3	PY	.002	.002	0	0
11	Support2	PY	.002	.002	0	0
12	Support1	PY	.002	.002	0	0
13	Standoff3	PY	.004	.004	0	0
14	Standoff1	PY	.004	.004	0	0
15	STANDOFF2	PY	.004	.004	0	0
16	RAIL2	PY	.001	.001	0	0
17	RSUPPORT3	PY	.001	.001	0	0
18	RSUPPORT2	PY	.001	.001	0	0
19	RSUPPORT1	PY	.001	.001	0	0
20	RAIL3	PY	.005	.005	0	0
21	Rail1	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/ft....	Start Location[ft, %]	End Location[ft, %]
22	MP GAMMA4	PY	.005	.005	0	0
23	MP GAMMA3	PY	.005	.005	0	0
24	MP GAMMA2	PY	.005	.005	0	0
25	MP GAMMA1	PY	.005	.005	0	0
26	MP BETA4	PY	.005	.005	0	0
27	MP BETA3	PY	.005	.005	0	0
28	MP BETA2	PY	.005	.005	0	0
29	MP BETA1	PY	.005	.005	0	0
30	MP ALPHA4	PY	.005	.005	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	KICKER3	PY	.002	.002	0	0
35	KICKER2	PY	.002	.002	0	0
36	KICKER1	PY	.002	.002	0	0
37	FACE2	PY	.004	.004	0	0
38	FACE3	PY	.014	.014	0	0
39	Face1	PY	.014	.014	0	0
40	Support12	PX	-.003	-.003	0	0
41	Support11	PX	-.003	-.003	0	0
42	Support10	PX	-.003	-.003	0	0
43	Support9	PX	-.003	-.003	0	0
44	Support8	PX	-.003	-.003	0	0
45	Support7	PX	-.003	-.003	0	0
46	Support6	PX	-.003	-.003	0	0
47	Support5	PX	-.003	-.003	0	0
48	Support4	PX	-.003	-.003	0	0
49	Support3	PX	-.003	-.003	0	0
50	Support2	PX	-.003	-.003	0	0
51	Support1	PX	-.003	-.003	0	0
52	Standoff3	PX	-.007	-.007	0	0
53	Standoff1	PX	-.007	-.007	0	0
54	STANDOFF2	PX	-.007	-.007	0	0
55	RAIL2	PX	-.002	-.002	0	0
56	RSUPPORT3	PX	-.002	-.002	0	0
57	RSUPPORT2	PX	-.002	-.002	0	0
58	RSUPPORT1	PX	-.002	-.002	0	0
59	RAIL3	PX	-.009	-.009	0	0
60	Rail1	PX	-.009	-.009	0	0
61	MP GAMMA4	PX	-.008	-.008	0	0
62	MP GAMMA3	PX	-.008	-.008	0	0
63	MP GAMMA2	PX	-.008	-.008	0	0
64	MP GAMMA1	PX	-.008	-.008	0	0
65	MP BETA4	PX	-.008	-.008	0	0
66	MP BETA3	PX	-.008	-.008	0	0
67	MP BETA2	PX	-.008	-.008	0	0
68	MP BETA1	PX	-.008	-.008	0	0
69	MP ALPHA4	PX	-.008	-.008	0	0
70	MP ALPHA3	PX	-.008	-.008	0	0
71	MP ALPHA2	PX	-.008	-.008	0	0
72	MP ALPHA1	PX	-.008	-.008	0	0
73	KICKER3	PX	-.004	-.004	0	0
74	KICKER2	PX	-.004	-.004	0	0
75	KICKER1	PX	-.004	-.004	0	0
76	FACE2	PX	-.007	-.007	0	0
77	FACE3	PX	-.025	-.025	0	0
78	Face1	PX	-.025	-.025	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft,%]	End Location[ft,%]
1	Support12	PY	.003	.003	0	0
2	Support11	PY	.003	.003	0	0
3	Support10	PY	.003	.003	0	0
4	Support9	PY	.003	.003	0	0
5	Support8	PY	.003	.003	0	0
6	Support7	PY	.003	.003	0	0
7	Support6	PY	.003	.003	0	0
8	Support5	PY	.003	.003	0	0
9	Support4	PY	.003	.003	0	0
10	Support3	PY	.003	.003	0	0
11	Support2	PY	.003	.003	0	0
12	Support1	PY	.003	.003	0	0
13	Standoff3	PY	.007	.007	0	0
14	Standoff1	PY	.007	.007	0	0
15	STANDOFF2	PY	.007	.007	0	0
16	RAIL2	PY	.002	.002	0	0
17	RSUPPORT3	PY	.002	.002	0	0
18	RSUPPORT2	PY	.002	.002	0	0
19	RSUPPORT1	PY	.002	.002	0	0
20	RAIL3	PY	.009	.009	0	0
21	Rail1	PY	.009	.009	0	0
22	MP GAMMA4	PY	.008	.008	0	0
23	MP GAMMA3	PY	.008	.008	0	0
24	MP GAMMA2	PY	.008	.008	0	0
25	MP GAMMA1	PY	.008	.008	0	0
26	MP BETA4	PY	.008	.008	0	0
27	MP BETA3	PY	.008	.008	0	0
28	MP BETA2	PY	.008	.008	0	0
29	MP BETA1	PY	.008	.008	0	0
30	MP ALPHA4	PY	.008	.008	0	0
31	MP ALPHA3	PY	.008	.008	0	0
32	MP ALPHA2	PY	.008	.008	0	0
33	MP ALPHA1	PY	.008	.008	0	0
34	KICKER3	PY	.004	.004	0	0
35	KICKER2	PY	.004	.004	0	0
36	KICKER1	PY	.004	.004	0	0
37	FACE2	PY	.007	.007	0	0
38	FACE3	PY	.025	.025	0	0
39	Face1	PY	.025	.025	0	0
40	Support12	PX	-.002	-.002	0	0
41	Support11	PX	-.002	-.002	0	0
42	Support10	PX	-.002	-.002	0	0
43	Support9	PX	-.002	-.002	0	0
44	Support8	PX	-.002	-.002	0	0
45	Support7	PX	-.002	-.002	0	0
46	Support6	PX	-.002	-.002	0	0
47	Support5	PX	-.002	-.002	0	0
48	Support4	PX	-.002	-.002	0	0
49	Support3	PX	-.002	-.002	0	0
50	Support2	PX	-.002	-.002	0	0
51	Support1	PX	-.002	-.002	0	0
52	Standoff3	PX	-.004	-.004	0	0
53	Standoff1	PX	-.004	-.004	0	0
54	STANDOFF2	PX	-.004	-.004	0	0
55	RAIL2	PX	-.001	-.001	0	0
56	RSUPPORT3	PX	-.001	-.001	0	0
57	RSUPPORT2	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
58	RSUPPORT1	PX	-.001	-.001	0	0
59	RAIL3	PX	-.005	-.005	0	0
60	Rail1	PX	-.005	-.005	0	0
61	MP GAMMA4	PX	-.005	-.005	0	0
62	MP GAMMA3	PX	-.005	-.005	0	0
63	MP GAMMA2	PX	-.005	-.005	0	0
64	MP GAMMA1	PX	-.005	-.005	0	0
65	MP BETA4	PX	-.005	-.005	0	0
66	MP BETA3	PX	-.005	-.005	0	0
67	MP BETA2	PX	-.005	-.005	0	0
68	MP BETA1	PX	-.005	-.005	0	0
69	MP ALPHA4	PX	-.005	-.005	0	0
70	MP ALPHA3	PX	-.005	-.005	0	0
71	MP ALPHA2	PX	-.005	-.005	0	0
72	MP ALPHA1	PX	-.005	-.005	0	0
73	KICKER3	PX	-.002	-.002	0	0
74	KICKER2	PX	-.002	-.002	0	0
75	KICKER1	PX	-.002	-.002	0	0
76	FACE2	PX	-.004	-.004	0	0
77	FACE3	PX	-.014	-.014	0	0
78	Face1	PX	-.014	-.014	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
1	Support12	PY	.004	.004	0	0
2	Support11	PY	.004	.004	0	0
3	Support10	PY	.004	.004	0	0
4	Support9	PY	.004	.004	0	0
5	Support8	PY	.004	.004	0	0
6	Support7	PY	.004	.004	0	0
7	Support6	PY	.004	.004	0	0
8	Support5	PY	.004	.004	0	0
9	Support4	PY	.004	.004	0	0
10	Support3	PY	.004	.004	0	0
11	Support2	PY	.004	.004	0	0
12	Support1	PY	.004	.004	0	0
13	Standoff3	PY	.008	.008	0	0
14	Standoff1	PY	.008	.008	0	0
15	STANDOFF2	PY	.008	.008	0	0
16	RAIL2	PY	.003	.003	0	0
17	RSUPPORT3	PY	.003	.003	0	0
18	RSUPPORT2	PY	.003	.003	0	0
19	RSUPPORT1	PY	.003	.003	0	0
20	RAIL3	PY	.01	.01	0	0
21	Rail1	PY	.01	.01	0	0
22	MP GAMMA4	PY	.009	.009	0	0
23	MP GAMMA3	PY	.009	.009	0	0
24	MP GAMMA2	PY	.009	.009	0	0
25	MP GAMMA1	PY	.009	.009	0	0
26	MP BETA4	PY	.009	.009	0	0
27	MP BETA3	PY	.009	.009	0	0
28	MP BETA2	PY	.009	.009	0	0
29	MP BETA1	PY	.009	.009	0	0
30	MP ALPHA4	PY	.009	.009	0	0
31	MP ALPHA3	PY	.009	.009	0	0
32	MP ALPHA2	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/ft,...	Start Location[ft, %]	End Location[ft, %]
33	MP ALPHA1	PY	.009	.009	0	0
34	KICKER3	PY	.005	.005	0	0
35	KICKER2	PY	.005	.005	0	0
36	KICKER1	PY	.005	.005	0	0
37	FACE2	PY	.008	.008	0	0
38	FACE3	PY	.029	.029	0	0
39	Face1	PY	.029	.029	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
1	Support12	PY	.003	.003	0	0
2	Support11	PY	.003	.003	0	0
3	Support10	PY	.003	.003	0	0
4	Support9	PY	.003	.003	0	0
5	Support8	PY	.003	.003	0	0
6	Support7	PY	.003	.003	0	0
7	Support6	PY	.003	.003	0	0
8	Support5	PY	.003	.003	0	0
9	Support4	PY	.003	.003	0	0
10	Support3	PY	.003	.003	0	0
11	Support2	PY	.003	.003	0	0
12	Support1	PY	.003	.003	0	0
13	Standoff3	PY	.007	.007	0	0
14	Standoff1	PY	.007	.007	0	0
15	STANDOFF2	PY	.007	.007	0	0
16	RAIL3	PY	.002	.002	0	0
17	RSUPPORT3	PY	.002	.002	0	0
18	RSUPPORT2	PY	.002	.002	0	0
19	RSUPPORT1	PY	.002	.002	0	0
20	Rail1	PY	.009	.009	0	0
21	RAIL2	PY	.009	.009	0	0
22	MP GAMMA4	PY	.008	.008	0	0
23	MP GAMMA3	PY	.008	.008	0	0
24	MP GAMMA2	PY	.008	.008	0	0
25	MP GAMMA1	PY	.008	.008	0	0
26	MP BETA4	PY	.008	.008	0	0
27	MP BETA3	PY	.008	.008	0	0
28	MP BETA2	PY	.008	.008	0	0
29	MP BETA1	PY	.008	.008	0	0
30	MP ALPHA4	PY	.008	.008	0	0
31	MP ALPHA3	PY	.008	.008	0	0
32	MP ALPHA2	PY	.008	.008	0	0
33	MP ALPHA1	PY	.008	.008	0	0
34	KICKER3	PY	.004	.004	0	0
35	KICKER2	PY	.004	.004	0	0
36	KICKER1	PY	.004	.004	0	0
37	FACE3	PY	.007	.007	0	0
38	Face1	PY	.025	.025	0	0
39	FACE2	PY	.025	.025	0	0
40	Support12	PX	.002	.002	0	0
41	Support11	PX	.002	.002	0	0
42	Support10	PX	.002	.002	0	0
43	Support9	PX	.002	.002	0	0
44	Support8	PX	.002	.002	0	0
45	Support7	PX	.002	.002	0	0
46	Support6	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
47	Support5	PX	.002	.002	0	0
48	Support4	PX	.002	.002	0	0
49	Support3	PX	.002	.002	0	0
50	Support2	PX	.002	.002	0	0
51	Support1	PX	.002	.002	0	0
52	Standoff3	PX	.004	.004	0	0
53	Standoff1	PX	.004	.004	0	0
54	STANDOFF2	PX	.004	.004	0	0
55	RAIL3	PX	.001	.001	0	0
56	RSUPPORT3	PX	.001	.001	0	0
57	RSUPPORT2	PX	.001	.001	0	0
58	RSUPPORT1	PX	.001	.001	0	0
59	Rail1	PX	.005	.005	0	0
60	RAIL2	PX	.005	.005	0	0
61	MP GAMMA4	PX	.005	.005	0	0
62	MP GAMMA3	PX	.005	.005	0	0
63	MP GAMMA2	PX	.005	.005	0	0
64	MP GAMMA1	PX	.005	.005	0	0
65	MP BETA4	PX	.005	.005	0	0
66	MP BETA3	PX	.005	.005	0	0
67	MP BETA2	PX	.005	.005	0	0
68	MP BETA1	PX	.005	.005	0	0
69	MP ALPHA4	PX	.005	.005	0	0
70	MP ALPHA3	PX	.005	.005	0	0
71	MP ALPHA2	PX	.005	.005	0	0
72	MP ALPHA1	PX	.005	.005	0	0
73	KICKER3	PX	.002	.002	0	0
74	KICKER2	PX	.002	.002	0	0
75	KICKER1	PX	.002	.002	0	0
76	FACE3	PX	.004	.004	0	0
77	Face1	PX	.014	.014	0	0
78	FACE2	PX	.014	.014	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	Support12	PY	.002	.002	0	0
2	Support11	PY	.002	.002	0	0
3	Support10	PY	.002	.002	0	0
4	Support9	PY	.002	.002	0	0
5	Support8	PY	.002	.002	0	0
6	Support7	PY	.002	.002	0	0
7	Support6	PY	.002	.002	0	0
8	Support5	PY	.002	.002	0	0
9	Support4	PY	.002	.002	0	0
10	Support3	PY	.002	.002	0	0
11	Support2	PY	.002	.002	0	0
12	Support1	PY	.002	.002	0	0
13	Standoff3	PY	.004	.004	0	0
14	Standoff1	PY	.004	.004	0	0
15	STANDOFF2	PY	.004	.004	0	0
16	RAIL3	PY	.001	.001	0	0
17	RSUPPORT3	PY	.001	.001	0	0
18	RSUPPORT2	PY	.001	.001	0	0
19	RSUPPORT1	PY	.001	.001	0	0
20	Rail1	PY	.005	.005	0	0
21	RAIL2	PY	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft,%]	End Location[ft,%]
22	MP GAMMA4	PY	.005	.005	0	0
23	MP GAMMA3	PY	.005	.005	0	0
24	MP GAMMA2	PY	.005	.005	0	0
25	MP GAMMA1	PY	.005	.005	0	0
26	MP BETA4	PY	.005	.005	0	0
27	MP BETA3	PY	.005	.005	0	0
28	MP BETA2	PY	.005	.005	0	0
29	MP BETA1	PY	.005	.005	0	0
30	MP ALPHA4	PY	.005	.005	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	KICKER3	PY	.002	.002	0	0
35	KICKER2	PY	.002	.002	0	0
36	KICKER1	PY	.002	.002	0	0
37	FACE3	PY	.004	.004	0	0
38	Face1	PY	.014	.014	0	0
39	FACE2	PY	.014	.014	0	0
40	Support12	PX	.003	.003	0	0
41	Support11	PX	.003	.003	0	0
42	Support10	PX	.003	.003	0	0
43	Support9	PX	.003	.003	0	0
44	Support8	PX	.003	.003	0	0
45	Support7	PX	.003	.003	0	0
46	Support6	PX	.003	.003	0	0
47	Support5	PX	.003	.003	0	0
48	Support4	PX	.003	.003	0	0
49	Support3	PX	.003	.003	0	0
50	Support2	PX	.003	.003	0	0
51	Support1	PX	.003	.003	0	0
52	Standoff3	PX	.007	.007	0	0
53	Standoff1	PX	.007	.007	0	0
54	STANDOFF2	PX	.007	.007	0	0
55	RAIL3	PX	.002	.002	0	0
56	RSUPPORT3	PX	.002	.002	0	0
57	RSUPPORT2	PX	.002	.002	0	0
58	RSUPPORT1	PX	.002	.002	0	0
59	Rail1	PX	.009	.009	0	0
60	RAIL2	PX	.009	.009	0	0
61	MP GAMMA4	PX	.008	.008	0	0
62	MP GAMMA3	PX	.008	.008	0	0
63	MP GAMMA2	PX	.008	.008	0	0
64	MP GAMMA1	PX	.008	.008	0	0
65	MP BETA4	PX	.008	.008	0	0
66	MP BETA3	PX	.008	.008	0	0
67	MP BETA2	PX	.008	.008	0	0
68	MP BETA1	PX	.008	.008	0	0
69	MP ALPHA4	PX	.008	.008	0	0
70	MP ALPHA3	PX	.008	.008	0	0
71	MP ALPHA2	PX	.008	.008	0	0
72	MP ALPHA1	PX	.008	.008	0	0
73	KICKER3	PX	.004	.004	0	0
74	KICKER2	PX	.004	.004	0	0
75	KICKER1	PX	.004	.004	0	0
76	FACE3	PX	.007	.007	0	0
77	Face1	PX	.025	.025	0	0
78	FACE2	PX	.025	.025	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PX	.004	.004	0	0
2	Support11	PX	.004	.004	0	0
3	Support10	PX	.004	.004	0	0
4	Support9	PX	.004	.004	0	0
5	Support8	PX	.004	.004	0	0
6	Support7	PX	.004	.004	0	0
7	Support6	PX	.004	.004	0	0
8	Support5	PX	.004	.004	0	0
9	Support4	PX	.004	.004	0	0
10	Support3	PX	.004	.004	0	0
11	Support2	PX	.004	.004	0	0
12	Support1	PX	.004	.004	0	0
13	Standoff3	PX	.008	.008	0	0
14	Standoff1	PX	.008	.008	0	0
15	STANDOFF2	PX	.008	.008	0	0
16	RAIL3	PX	.003	.003	0	0
17	RSUPPORT3	PX	.003	.003	0	0
18	RSUPPORT2	PX	.003	.003	0	0
19	RSUPPORT1	PX	.003	.003	0	0
20	Rail1	PX	.01	.01	0	0
21	RAIL2	PX	.01	.01	0	0
22	MP GAMMA4	PX	.009	.009	0	0
23	MP GAMMA3	PX	.009	.009	0	0
24	MP GAMMA2	PX	.009	.009	0	0
25	MP GAMMA1	PX	.009	.009	0	0
26	MP BETA4	PX	.009	.009	0	0
27	MP BETA3	PX	.009	.009	0	0
28	MP BETA2	PX	.009	.009	0	0
29	MP BETA1	PX	.009	.009	0	0
30	MP ALPHA4	PX	.009	.009	0	0
31	MP ALPHA3	PX	.009	.009	0	0
32	MP ALPHA2	PX	.009	.009	0	0
33	MP ALPHA1	PX	.009	.009	0	0
34	KICKER3	PX	.005	.005	0	0
35	KICKER2	PX	.005	.005	0	0
36	KICKER1	PX	.005	.005	0	0
37	FACE3	PX	.008	.008	0	0
38	Face1	PX	.029	.029	0	0
39	FACE2	PX	.029	.029	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	-.002	-.002	0	0
2	Support11	PY	-.002	-.002	0	0
3	Support10	PY	-.002	-.002	0	0
4	Support9	PY	-.002	-.002	0	0
5	Support8	PY	-.002	-.002	0	0
6	Support7	PY	-.002	-.002	0	0
7	Support6	PY	-.002	-.002	0	0
8	Support5	PY	-.002	-.002	0	0
9	Support4	PY	-.002	-.002	0	0
10	Support3	PY	-.002	-.002	0	0
11	Support2	PY	-.002	-.002	0	0
12	Support1	PY	-.002	-.002	0	0
13	Standoff3	PY	-.004	-.004	0	0
14	Standoff1	PY	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
15	STANDOFF2	PY	-.004	-.004	0	0
16	RAIL3	PY	-.001	-.001	0	0
17	RSUPPORT3	PY	-.001	-.001	0	0
18	RSUPPORT2	PY	-.001	-.001	0	0
19	RSUPPORT1	PY	-.001	-.001	0	0
20	Rail1	PY	-.005	-.005	0	0
21	RAIL2	PY	-.005	-.005	0	0
22	MP GAMMA4	PY	-.005	-.005	0	0
23	MP GAMMA3	PY	-.005	-.005	0	0
24	MP GAMMA2	PY	-.005	-.005	0	0
25	MP GAMMA1	PY	-.005	-.005	0	0
26	MP BETA4	PY	-.005	-.005	0	0
27	MP BETA3	PY	-.005	-.005	0	0
28	MP BETA2	PY	-.005	-.005	0	0
29	MP BETA1	PY	-.005	-.005	0	0
30	MP ALPHA4	PY	-.005	-.005	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	KICKER3	PY	-.002	-.002	0	0
35	KICKER2	PY	-.002	-.002	0	0
36	KICKER1	PY	-.002	-.002	0	0
37	FACE3	PY	-.004	-.004	0	0
38	Face1	PY	-.014	-.014	0	0
39	FACE2	PY	-.014	-.014	0	0
40	Support12	PX	.003	.003	0	0
41	Support11	PX	.003	.003	0	0
42	Support10	PX	.003	.003	0	0
43	Support9	PX	.003	.003	0	0
44	Support8	PX	.003	.003	0	0
45	Support7	PX	.003	.003	0	0
46	Support6	PX	.003	.003	0	0
47	Support5	PX	.003	.003	0	0
48	Support4	PX	.003	.003	0	0
49	Support3	PX	.003	.003	0	0
50	Support2	PX	.003	.003	0	0
51	Support1	PX	.003	.003	0	0
52	Standoff3	PX	.007	.007	0	0
53	Standoff1	PX	.007	.007	0	0
54	STANDOFF2	PX	.007	.007	0	0
55	RAIL3	PX	.002	.002	0	0
56	RSUPPORT3	PX	.002	.002	0	0
57	RSUPPORT2	PX	.002	.002	0	0
58	RSUPPORT1	PX	.002	.002	0	0
59	Rail1	PX	.009	.009	0	0
60	RAIL2	PX	.009	.009	0	0
61	MP GAMMA4	PX	.008	.008	0	0
62	MP GAMMA3	PX	.008	.008	0	0
63	MP GAMMA2	PX	.008	.008	0	0
64	MP GAMMA1	PX	.008	.008	0	0
65	MP BETA4	PX	.008	.008	0	0
66	MP BETA3	PX	.008	.008	0	0
67	MP BETA2	PX	.008	.008	0	0
68	MP BETA1	PX	.008	.008	0	0
69	MP ALPHA4	PX	.008	.008	0	0
70	MP ALPHA3	PX	.008	.008	0	0
71	MP ALPHA2	PX	.008	.008	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
72	MP ALPHA1	PX	.008	.008	0	0
73	KICKER3	PX	.004	.004	0	0
74	KICKER2	PX	.004	.004	0	0
75	KICKER1	PX	.004	.004	0	0
76	FACE3	PX	.007	.007	0	0
77	Face1	PX	.025	.025	0	0
78	FACE2	PX	.025	.025	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
1	Support12	PY	-.003	-.003	0	0
2	Support11	PY	-.003	-.003	0	0
3	Support10	PY	-.003	-.003	0	0
4	Support9	PY	-.003	-.003	0	0
5	Support8	PY	-.003	-.003	0	0
6	Support7	PY	-.003	-.003	0	0
7	Support6	PY	-.003	-.003	0	0
8	Support5	PY	-.003	-.003	0	0
9	Support4	PY	-.003	-.003	0	0
10	Support3	PY	-.003	-.003	0	0
11	Support2	PY	-.003	-.003	0	0
12	Support1	PY	-.003	-.003	0	0
13	Standoff3	PY	-.007	-.007	0	0
14	Standoff1	PY	-.007	-.007	0	0
15	STANDOFF2	PY	-.007	-.007	0	0
16	Rail1	PY	-.002	-.002	0	0
17	RSUPPORT3	PY	-.002	-.002	0	0
18	RSUPPORT2	PY	-.002	-.002	0	0
19	RSUPPORT1	PY	-.002	-.002	0	0
20	RAIL3	PY	-.009	-.009	0	0
21	RAIL2	PY	-.009	-.009	0	0
22	MP GAMMA4	PY	-.008	-.008	0	0
23	MP GAMMA3	PY	-.008	-.008	0	0
24	MP GAMMA2	PY	-.008	-.008	0	0
25	MP GAMMA1	PY	-.008	-.008	0	0
26	MP BETA4	PY	-.008	-.008	0	0
27	MP BETA3	PY	-.008	-.008	0	0
28	MP BETA2	PY	-.008	-.008	0	0
29	MP BETA1	PY	-.008	-.008	0	0
30	MP ALPHA4	PY	-.008	-.008	0	0
31	MP ALPHA3	PY	-.008	-.008	0	0
32	MP ALPHA2	PY	-.008	-.008	0	0
33	MP ALPHA1	PY	-.008	-.008	0	0
34	KICKER3	PY	-.004	-.004	0	0
35	KICKER2	PY	-.004	-.004	0	0
36	KICKER1	PY	-.004	-.004	0	0
37	Face1	PY	-.007	-.007	0	0
38	FACE3	PY	-.025	-.025	0	0
39	FACE2	PY	-.025	-.025	0	0
40	Support12	PX	.002	.002	0	0
41	Support11	PX	.002	.002	0	0
42	Support10	PX	.002	.002	0	0
43	Support9	PX	.002	.002	0	0
44	Support8	PX	.002	.002	0	0
45	Support7	PX	.002	.002	0	0
46	Support6	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
47	Support5	PX	.002	.002	0	0
48	Support4	PX	.002	.002	0	0
49	Support3	PX	.002	.002	0	0
50	Support2	PX	.002	.002	0	0
51	Support1	PX	.002	.002	0	0
52	Standoff3	PX	.004	.004	0	0
53	Standoff1	PX	.004	.004	0	0
54	STANDOFF2	PX	.004	.004	0	0
55	Rail1	PX	.001	.001	0	0
56	RSUPPORT3	PX	.001	.001	0	0
57	RSUPPORT2	PX	.001	.001	0	0
58	RSUPPORT1	PX	.001	.001	0	0
59	RAIL3	PX	.005	.005	0	0
60	RAIL2	PX	.005	.005	0	0
61	MP GAMMA4	PX	.005	.005	0	0
62	MP GAMMA3	PX	.005	.005	0	0
63	MP GAMMA2	PX	.005	.005	0	0
64	MP GAMMA1	PX	.005	.005	0	0
65	MP BETA4	PX	.005	.005	0	0
66	MP BETA3	PX	.005	.005	0	0
67	MP BETA2	PX	.005	.005	0	0
68	MP BETA1	PX	.005	.005	0	0
69	MP ALPHA4	PX	.005	.005	0	0
70	MP ALPHA3	PX	.005	.005	0	0
71	MP ALPHA2	PX	.005	.005	0	0
72	MP ALPHA1	PX	.005	.005	0	0
73	KICKER3	PX	.002	.002	0	0
74	KICKER2	PX	.002	.002	0	0
75	KICKER1	PX	.002	.002	0	0
76	Face1	PX	.004	.004	0	0
77	FACE3	PX	.014	.014	0	0
78	FACE2	PX	.014	.014	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
1	Support12	PY	-.000258	-.000258	0	0
2	Support11	PY	-.000258	-.000258	0	0
3	Support10	PY	-.000258	-.000258	0	0
4	Support9	PY	-.000258	-.000258	0	0
5	Support8	PY	-.000258	-.000258	0	0
6	Support7	PY	-.000258	-.000258	0	0
7	Support6	PY	-.000258	-.000258	0	0
8	Support5	PY	-.000258	-.000258	0	0
9	Support4	PY	-.000258	-.000258	0	0
10	Support3	PY	-.000258	-.000258	0	0
11	Support2	PY	-.000258	-.000258	0	0
12	Support1	PY	-.000258	-.000258	0	0
13	Standoff3	PY	-.000516	-.000516	0	0
14	Standoff1	PY	-.000516	-.000516	0	0
15	STANDOFF2	PY	-.000516	-.000516	0	0
16	Rail1	PY	-.000188	-.000188	0	0
17	RSUPPORT3	PY	-.000188	-.000188	0	0
18	RSUPPORT2	PY	-.000188	-.000188	0	0
19	RSUPPORT1	PY	-.000188	-.000188	0	0
20	RAIL3	PY	-.000685	-.000685	0	0
21	RAIL2	PY	-.000685	-.000685	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft,%]	End Location[ft,%]
22	MP GAMMA4	PY	-0.000612	-0.000612	0	0
23	MP GAMMA3	PY	-0.000612	-0.000612	0	0
24	MP GAMMA2	PY	-0.000612	-0.000612	0	0
25	MP GAMMA1	PY	-0.000612	-0.000612	0	0
26	MP BETA4	PY	-0.000612	-0.000612	0	0
27	MP BETA3	PY	-0.000612	-0.000612	0	0
28	MP BETA2	PY	-0.000612	-0.000612	0	0
29	MP BETA1	PY	-0.000612	-0.000612	0	0
30	MP ALPHA4	PY	-0.000612	-0.000612	0	0
31	MP ALPHA3	PY	-0.000612	-0.000612	0	0
32	MP ALPHA2	PY	-0.000612	-0.000612	0	0
33	MP ALPHA1	PY	-0.000612	-0.000612	0	0
34	KICKER3	PY	-0.000322	-0.000322	0	0
35	KICKER2	PY	-0.000322	-0.000322	0	0
36	KICKER1	PY	-0.000322	-0.000322	0	0
37	Face1	PY	-0.000516	-0.000516	0	0
38	FACE3	PY	-0.002	-0.002	0	0
39	FACE2	PY	-0.002	-0.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft,%]	End Location[ft,%]
1	Support12	PY	-0.000223	-0.000223	0	0
2	Support11	PY	-0.000223	-0.000223	0	0
3	Support10	PY	-0.000223	-0.000223	0	0
4	Support9	PY	-0.000223	-0.000223	0	0
5	Support8	PY	-0.000223	-0.000223	0	0
6	Support7	PY	-0.000223	-0.000223	0	0
7	Support6	PY	-0.000223	-0.000223	0	0
8	Support5	PY	-0.000223	-0.000223	0	0
9	Support4	PY	-0.000223	-0.000223	0	0
10	Support3	PY	-0.000223	-0.000223	0	0
11	Support2	PY	-0.000223	-0.000223	0	0
12	Support1	PY	-0.000223	-0.000223	0	0
13	Standoff3	PY	-0.000447	-0.000447	0	0
14	Standoff1	PY	-0.000447	-0.000447	0	0
15	STANDOFF2	PY	-0.000447	-0.000447	0	0
16	Rail1	PY	-0.000163	-0.000163	0	0
17	RSUPPORT3	PY	-0.000163	-0.000163	0	0
18	RSUPPORT2	PY	-0.000163	-0.000163	0	0
19	RSUPPORT1	PY	-0.000163	-0.000163	0	0
20	RAIL3	PY	-0.000593	-0.000593	0	0
21	RAIL2	PY	-0.000593	-0.000593	0	0
22	MP GAMMA4	PY	-0.00053	-0.00053	0	0
23	MP GAMMA3	PY	-0.00053	-0.00053	0	0
24	MP GAMMA2	PY	-0.00053	-0.00053	0	0
25	MP GAMMA1	PY	-0.00053	-0.00053	0	0
26	MP BETA4	PY	-0.00053	-0.00053	0	0
27	MP BETA3	PY	-0.00053	-0.00053	0	0
28	MP BETA2	PY	-0.00053	-0.00053	0	0
29	MP BETA1	PY	-0.00053	-0.00053	0	0
30	MP ALPHA4	PY	-0.00053	-0.00053	0	0
31	MP ALPHA3	PY	-0.00053	-0.00053	0	0
32	MP ALPHA2	PY	-0.00053	-0.00053	0	0
33	MP ALPHA1	PY	-0.00053	-0.00053	0	0
34	KICKER3	PY	-0.000279	-0.000279	0	0
35	KICKER2	PY	-0.000279	-0.000279	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
36	KICKER1	PY	-0.000279	-0.000279	0	0
37	Face1	PY	-0.000447	-0.000447	0	0
38	FACE3	PY	-0.002	-0.002	0	0
39	FACE2	PY	-0.002	-0.002	0	0
40	Support12	PX	-0.000129	-0.000129	0	0
41	Support11	PX	-0.000129	-0.000129	0	0
42	Support10	PX	-0.000129	-0.000129	0	0
43	Support9	PX	-0.000129	-0.000129	0	0
44	Support8	PX	-0.000129	-0.000129	0	0
45	Support7	PX	-0.000129	-0.000129	0	0
46	Support6	PX	-0.000129	-0.000129	0	0
47	Support5	PX	-0.000129	-0.000129	0	0
48	Support4	PX	-0.000129	-0.000129	0	0
49	Support3	PX	-0.000129	-0.000129	0	0
50	Support2	PX	-0.000129	-0.000129	0	0
51	Support1	PX	-0.000129	-0.000129	0	0
52	Standoff3	PX	-0.000258	-0.000258	0	0
53	Standoff1	PX	-0.000258	-0.000258	0	0
54	STANDOFF2	PX	-0.000258	-0.000258	0	0
55	Rail1	PX	-9.4e-5	-9.4e-5	0	0
56	RSUPPORT3	PX	-9.4e-5	-9.4e-5	0	0
57	RSUPPORT2	PX	-9.4e-5	-9.4e-5	0	0
58	RSUPPORT1	PX	-9.4e-5	-9.4e-5	0	0
59	RAIL3	PX	-0.000342	-0.000342	0	0
60	RAIL2	PX	-0.000342	-0.000342	0	0
61	MP GAMMA4	PX	-0.000306	-0.000306	0	0
62	MP GAMMA3	PX	-0.000306	-0.000306	0	0
63	MP GAMMA2	PX	-0.000306	-0.000306	0	0
64	MP GAMMA1	PX	-0.000306	-0.000306	0	0
65	MP BETA4	PX	-0.000306	-0.000306	0	0
66	MP BETA3	PX	-0.000306	-0.000306	0	0
67	MP BETA2	PX	-0.000306	-0.000306	0	0
68	MP BETA1	PX	-0.000306	-0.000306	0	0
69	MP ALPHA4	PX	-0.000306	-0.000306	0	0
70	MP ALPHA3	PX	-0.000306	-0.000306	0	0
71	MP ALPHA2	PX	-0.000306	-0.000306	0	0
72	MP ALPHA1	PX	-0.000306	-0.000306	0	0
73	KICKER3	PX	-0.000161	-0.000161	0	0
74	KICKER2	PX	-0.000161	-0.000161	0	0
75	KICKER1	PX	-0.000161	-0.000161	0	0
76	Face1	PX	-0.000258	-0.000258	0	0
77	FACE3	PX	-0.00094	-0.00094	0	0
78	FACE2	PX	-0.00094	-0.00094	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	Support12	PY	-0.000129	-0.000129	0	0
2	Support11	PY	-0.000129	-0.000129	0	0
3	Support10	PY	-0.000129	-0.000129	0	0
4	Support9	PY	-0.000129	-0.000129	0	0
5	Support8	PY	-0.000129	-0.000129	0	0
6	Support7	PY	-0.000129	-0.000129	0	0
7	Support6	PY	-0.000129	-0.000129	0	0
8	Support5	PY	-0.000129	-0.000129	0	0
9	Support4	PY	-0.000129	-0.000129	0	0
10	Support3	PY	-0.000129	-0.000129	0	0

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

Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
11 Support2	PY	-0.000129	-0.000129	0	0
12 Support1	PY	-0.000129	-0.000129	0	0
13 Standoff3	PY	-0.000258	-0.000258	0	0
14 Standoff1	PY	-0.000258	-0.000258	0	0
15 STANDOFF2	PY	-0.000258	-0.000258	0	0
16 Rail1	PY	-9.4e-5	-9.4e-5	0	0
17 RSUPPORT3	PY	-9.4e-5	-9.4e-5	0	0
18 RSUPPORT2	PY	-9.4e-5	-9.4e-5	0	0
19 RSUPPORT1	PY	-9.4e-5	-9.4e-5	0	0
20 RAIL3	PY	-0.000342	-0.000342	0	0
21 RAIL2	PY	-0.000342	-0.000342	0	0
22 MP GAMMA4	PY	-0.000306	-0.000306	0	0
23 MP GAMMA3	PY	-0.000306	-0.000306	0	0
24 MP GAMMA2	PY	-0.000306	-0.000306	0	0
25 MP GAMMA1	PY	-0.000306	-0.000306	0	0
26 MP BETA4	PY	-0.000306	-0.000306	0	0
27 MP BETA3	PY	-0.000306	-0.000306	0	0
28 MP BETA2	PY	-0.000306	-0.000306	0	0
29 MP BETA1	PY	-0.000306	-0.000306	0	0
30 MP ALPHA4	PY	-0.000306	-0.000306	0	0
31 MP ALPHA3	PY	-0.000306	-0.000306	0	0
32 MP ALPHA2	PY	-0.000306	-0.000306	0	0
33 MP ALPHA1	PY	-0.000306	-0.000306	0	0
34 KICKER3	PY	-0.000161	-0.000161	0	0
35 KICKER2	PY	-0.000161	-0.000161	0	0
36 KICKER1	PY	-0.000161	-0.000161	0	0
37 Face1	PY	-0.000258	-0.000258	0	0
38 FACE3	PY	-0.00094	-0.00094	0	0
39 FACE2	PY	-0.00094	-0.00094	0	0
40 Support12	PX	-0.000223	-0.000223	0	0
41 Support11	PX	-0.000223	-0.000223	0	0
42 Support10	PX	-0.000223	-0.000223	0	0
43 Support9	PX	-0.000223	-0.000223	0	0
44 Support8	PX	-0.000223	-0.000223	0	0
45 Support7	PX	-0.000223	-0.000223	0	0
46 Support6	PX	-0.000223	-0.000223	0	0
47 Support5	PX	-0.000223	-0.000223	0	0
48 Support4	PX	-0.000223	-0.000223	0	0
49 Support3	PX	-0.000223	-0.000223	0	0
50 Support2	PX	-0.000223	-0.000223	0	0
51 Support1	PX	-0.000223	-0.000223	0	0
52 Standoff3	PX	-0.000447	-0.000447	0	0
53 Standoff1	PX	-0.000447	-0.000447	0	0
54 STANDOFF2	PX	-0.000447	-0.000447	0	0
55 Rail1	PX	-0.000163	-0.000163	0	0
56 RSUPPORT3	PX	-0.000163	-0.000163	0	0
57 RSUPPORT2	PX	-0.000163	-0.000163	0	0
58 RSUPPORT1	PX	-0.000163	-0.000163	0	0
59 RAIL3	PX	-0.000593	-0.000593	0	0
60 RAIL2	PX	-0.000593	-0.000593	0	0
61 MP GAMMA4	PX	-0.00053	-0.00053	0	0
62 MP GAMMA3	PX	-0.00053	-0.00053	0	0
63 MP GAMMA2	PX	-0.00053	-0.00053	0	0
64 MP GAMMA1	PX	-0.00053	-0.00053	0	0
65 MP BETA4	PX	-0.00053	-0.00053	0	0
66 MP BETA3	PX	-0.00053	-0.00053	0	0
67 MP BETA2	PX	-0.00053	-0.00053	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
68	MP BETA1	PX	-0.00053	-0.00053	0	0
69	MP ALPHA4	PX	-0.00053	-0.00053	0	0
70	MP ALPHA3	PX	-0.00053	-0.00053	0	0
71	MP ALPHA2	PX	-0.00053	-0.00053	0	0
72	MP ALPHA1	PX	-0.00053	-0.00053	0	0
73	KICKER3	PX	-0.000279	-0.000279	0	0
74	KICKER2	PX	-0.000279	-0.000279	0	0
75	KICKER1	PX	-0.000279	-0.000279	0	0
76	Face1	PX	-0.000447	-0.000447	0	0
77	FACE3	PX	-0.002	-0.002	0	0
78	FACE2	PX	-0.002	-0.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	Support12	PX	-0.000258	-0.000258	0	0
2	Support11	PX	-0.000258	-0.000258	0	0
3	Support10	PX	-0.000258	-0.000258	0	0
4	Support9	PX	-0.000258	-0.000258	0	0
5	Support8	PX	-0.000258	-0.000258	0	0
6	Support7	PX	-0.000258	-0.000258	0	0
7	Support6	PX	-0.000258	-0.000258	0	0
8	Support5	PX	-0.000258	-0.000258	0	0
9	Support4	PX	-0.000258	-0.000258	0	0
10	Support3	PX	-0.000258	-0.000258	0	0
11	Support2	PX	-0.000258	-0.000258	0	0
12	Support1	PX	-0.000258	-0.000258	0	0
13	Standoff3	PX	-0.000516	-0.000516	0	0
14	Standoff1	PX	-0.000516	-0.000516	0	0
15	STANDOFF2	PX	-0.000516	-0.000516	0	0
16	RAIL2	PX	-0.000188	-0.000188	0	0
17	RSUPPORT3	PX	-0.000188	-0.000188	0	0
18	RSUPPORT2	PX	-0.000188	-0.000188	0	0
19	RSUPPORT1	PX	-0.000188	-0.000188	0	0
20	RAIL3	PX	-0.000685	-0.000685	0	0
21	Rail1	PX	-0.000685	-0.000685	0	0
22	MP GAMMA4	PX	-0.000612	-0.000612	0	0
23	MP GAMMA3	PX	-0.000612	-0.000612	0	0
24	MP GAMMA2	PX	-0.000612	-0.000612	0	0
25	MP GAMMA1	PX	-0.000612	-0.000612	0	0
26	MP BETA4	PX	-0.000612	-0.000612	0	0
27	MP BETA3	PX	-0.000612	-0.000612	0	0
28	MP BETA2	PX	-0.000612	-0.000612	0	0
29	MP BETA1	PX	-0.000612	-0.000612	0	0
30	MP ALPHA4	PX	-0.000612	-0.000612	0	0
31	MP ALPHA3	PX	-0.000612	-0.000612	0	0
32	MP ALPHA2	PX	-0.000612	-0.000612	0	0
33	MP ALPHA1	PX	-0.000612	-0.000612	0	0
34	KICKER3	PX	-0.000322	-0.000322	0	0
35	KICKER2	PX	-0.000322	-0.000322	0	0
36	KICKER1	PX	-0.000322	-0.000322	0	0
37	FACE2	PX	-0.000516	-0.000516	0	0
38	FACE3	PX	-0.002	-0.002	0	0
39	Face1	PX	-0.002	-0.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
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Member Distributed Loads (BLC 19 : Maintenance (120)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	.000129	.000129	0	0
2	Support11	PY	.000129	.000129	0	0
3	Support10	PY	.000129	.000129	0	0
4	Support9	PY	.000129	.000129	0	0
5	Support8	PY	.000129	.000129	0	0
6	Support7	PY	.000129	.000129	0	0
7	Support6	PY	.000129	.000129	0	0
8	Support5	PY	.000129	.000129	0	0
9	Support4	PY	.000129	.000129	0	0
10	Support3	PY	.000129	.000129	0	0
11	Support2	PY	.000129	.000129	0	0
12	Support1	PY	.000129	.000129	0	0
13	Standoff3	PY	.000258	.000258	0	0
14	Standoff1	PY	.000258	.000258	0	0
15	STANDOFF2	PY	.000258	.000258	0	0
16	RAIL2	PY	9.4e-5	9.4e-5	0	0
17	RSUPPORT3	PY	9.4e-5	9.4e-5	0	0
18	RSUPPORT2	PY	9.4e-5	9.4e-5	0	0
19	RSUPPORT1	PY	9.4e-5	9.4e-5	0	0
20	RAIL3	PY	.000342	.000342	0	0
21	Rail1	PY	.000342	.000342	0	0
22	MP GAMMA4	PY	.000306	.000306	0	0
23	MP GAMMA3	PY	.000306	.000306	0	0
24	MP GAMMA2	PY	.000306	.000306	0	0
25	MP GAMMA1	PY	.000306	.000306	0	0
26	MP BETA4	PY	.000306	.000306	0	0
27	MP BETA3	PY	.000306	.000306	0	0
28	MP BETA2	PY	.000306	.000306	0	0
29	MP BETA1	PY	.000306	.000306	0	0
30	MP ALPHA4	PY	.000306	.000306	0	0
31	MP ALPHA3	PY	.000306	.000306	0	0
32	MP ALPHA2	PY	.000306	.000306	0	0
33	MP ALPHA1	PY	.000306	.000306	0	0
34	KICKER3	PY	.000161	.000161	0	0
35	KICKER2	PY	.000161	.000161	0	0
36	KICKER1	PY	.000161	.000161	0	0
37	FACE2	PY	.000258	.000258	0	0
38	FACE3	PY	.00094	.00094	0	0
39	Face1	PY	.00094	.00094	0	0
40	Support12	PX	-.000223	-.000223	0	0
41	Support11	PX	-.000223	-.000223	0	0
42	Support10	PX	-.000223	-.000223	0	0
43	Support9	PX	-.000223	-.000223	0	0
44	Support8	PX	-.000223	-.000223	0	0
45	Support7	PX	-.000223	-.000223	0	0
46	Support6	PX	-.000223	-.000223	0	0
47	Support5	PX	-.000223	-.000223	0	0
48	Support4	PX	-.000223	-.000223	0	0
49	Support3	PX	-.000223	-.000223	0	0
50	Support2	PX	-.000223	-.000223	0	0
51	Support1	PX	-.000223	-.000223	0	0
52	Standoff3	PX	-.000447	-.000447	0	0
53	Standoff1	PX	-.000447	-.000447	0	0
54	STANDOFF2	PX	-.000447	-.000447	0	0
55	RAIL2	PX	-.000163	-.000163	0	0
56	RSUPPORT3	PX	-.000163	-.000163	0	0
57	RSUPPORT2	PX	-.000163	-.000163	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
58	RSUPPORT1	PX	-.000163	-.000163	0	0
59	RAIL3	PX	-.000593	-.000593	0	0
60	Rail1	PX	-.000593	-.000593	0	0
61	MP GAMMA4	PX	-.00053	-.00053	0	0
62	MP GAMMA3	PX	-.00053	-.00053	0	0
63	MP GAMMA2	PX	-.00053	-.00053	0	0
64	MP GAMMA1	PX	-.00053	-.00053	0	0
65	MP BETA4	PX	-.00053	-.00053	0	0
66	MP BETA3	PX	-.00053	-.00053	0	0
67	MP BETA2	PX	-.00053	-.00053	0	0
68	MP BETA1	PX	-.00053	-.00053	0	0
69	MP ALPHA4	PX	-.00053	-.00053	0	0
70	MP ALPHA3	PX	-.00053	-.00053	0	0
71	MP ALPHA2	PX	-.00053	-.00053	0	0
72	MP ALPHA1	PX	-.00053	-.00053	0	0
73	KICKER3	PX	-.000279	-.000279	0	0
74	KICKER2	PX	-.000279	-.000279	0	0
75	KICKER1	PX	-.000279	-.000279	0	0
76	FACE2	PX	-.000447	-.000447	0	0
77	FACE3	PX	-.002	-.002	0	0
78	Face1	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
1	Support12	PY	.000223	.000223	0	0
2	Support11	PY	.000223	.000223	0	0
3	Support10	PY	.000223	.000223	0	0
4	Support9	PY	.000223	.000223	0	0
5	Support8	PY	.000223	.000223	0	0
6	Support7	PY	.000223	.000223	0	0
7	Support6	PY	.000223	.000223	0	0
8	Support5	PY	.000223	.000223	0	0
9	Support4	PY	.000223	.000223	0	0
10	Support3	PY	.000223	.000223	0	0
11	Support2	PY	.000223	.000223	0	0
12	Support1	PY	.000223	.000223	0	0
13	Standoff3	PY	.000447	.000447	0	0
14	Standoff1	PY	.000447	.000447	0	0
15	STANDOFF2	PY	.000447	.000447	0	0
16	RAIL2	PY	.000163	.000163	0	0
17	RSUPPORT3	PY	.000163	.000163	0	0
18	RSUPPORT2	PY	.000163	.000163	0	0
19	RSUPPORT1	PY	.000163	.000163	0	0
20	RAIL3	PY	.000593	.000593	0	0
21	Rail1	PY	.000593	.000593	0	0
22	MP GAMMA4	PY	.00053	.00053	0	0
23	MP GAMMA3	PY	.00053	.00053	0	0
24	MP GAMMA2	PY	.00053	.00053	0	0
25	MP GAMMA1	PY	.00053	.00053	0	0
26	MP BETA4	PY	.00053	.00053	0	0
27	MP BETA3	PY	.00053	.00053	0	0
28	MP BETA2	PY	.00053	.00053	0	0
29	MP BETA1	PY	.00053	.00053	0	0
30	MP ALPHA4	PY	.00053	.00053	0	0
31	MP ALPHA3	PY	.00053	.00053	0	0
32	MP ALPHA2	PY	.00053	.00053	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
33	MP ALPHA1	PY	.00053	.00053	0	0
34	KICKER3	PY	.000279	.000279	0	0
35	KICKER2	PY	.000279	.000279	0	0
36	KICKER1	PY	.000279	.000279	0	0
37	FACE2	PY	.000447	.000447	0	0
38	FACE3	PY	.002	.002	0	0
39	Face1	PY	.002	.002	0	0
40	Support12	PX	-.000129	-.000129	0	0
41	Support11	PX	-.000129	-.000129	0	0
42	Support10	PX	-.000129	-.000129	0	0
43	Support9	PX	-.000129	-.000129	0	0
44	Support8	PX	-.000129	-.000129	0	0
45	Support7	PX	-.000129	-.000129	0	0
46	Support6	PX	-.000129	-.000129	0	0
47	Support5	PX	-.000129	-.000129	0	0
48	Support4	PX	-.000129	-.000129	0	0
49	Support3	PX	-.000129	-.000129	0	0
50	Support2	PX	-.000129	-.000129	0	0
51	Support1	PX	-.000129	-.000129	0	0
52	Standoff3	PX	-.000258	-.000258	0	0
53	Standoff1	PX	-.000258	-.000258	0	0
54	STANDOFF2	PX	-.000258	-.000258	0	0
55	RAIL2	PX	-9.4e-5	-9.4e-5	0	0
56	RSUPPORT3	PX	-9.4e-5	-9.4e-5	0	0
57	RSUPPORT2	PX	-9.4e-5	-9.4e-5	0	0
58	RSUPPORT1	PX	-9.4e-5	-9.4e-5	0	0
59	RAIL3	PX	-.000342	-.000342	0	0
60	Rail1	PX	-.000342	-.000342	0	0
61	MP GAMMA4	PX	-.000306	-.000306	0	0
62	MP GAMMA3	PX	-.000306	-.000306	0	0
63	MP GAMMA2	PX	-.000306	-.000306	0	0
64	MP GAMMA1	PX	-.000306	-.000306	0	0
65	MP BETA4	PX	-.000306	-.000306	0	0
66	MP BETA3	PX	-.000306	-.000306	0	0
67	MP BETA2	PX	-.000306	-.000306	0	0
68	MP BETA1	PX	-.000306	-.000306	0	0
69	MP ALPHA4	PX	-.000306	-.000306	0	0
70	MP ALPHA3	PX	-.000306	-.000306	0	0
71	MP ALPHA2	PX	-.000306	-.000306	0	0
72	MP ALPHA1	PX	-.000306	-.000306	0	0
73	KICKER3	PX	-.000161	-.000161	0	0
74	KICKER2	PX	-.000161	-.000161	0	0
75	KICKER1	PX	-.000161	-.000161	0	0
76	FACE2	PX	-.000258	-.000258	0	0
77	FACE3	PX	-.00094	-.00094	0	0
78	Face1	PX	-.00094	-.00094	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	.000258	.000258	0	0
2	Support11	PY	.000258	.000258	0	0
3	Support10	PY	.000258	.000258	0	0
4	Support9	PY	.000258	.000258	0	0
5	Support8	PY	.000258	.000258	0	0
6	Support7	PY	.000258	.000258	0	0
7	Support6	PY	.000258	.000258	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
8	Support5	PY	.000258	.000258	0	0
9	Support4	PY	.000258	.000258	0	0
10	Support3	PY	.000258	.000258	0	0
11	Support2	PY	.000258	.000258	0	0
12	Support1	PY	.000258	.000258	0	0
13	Standoff3	PY	.000516	.000516	0	0
14	Standoff1	PY	.000516	.000516	0	0
15	STANDOFF2	PY	.000516	.000516	0	0
16	RAIL2	PY	.000188	.000188	0	0
17	RSUPPORT3	PY	.000188	.000188	0	0
18	RSUPPORT2	PY	.000188	.000188	0	0
19	RSUPPORT1	PY	.000188	.000188	0	0
20	RAIL3	PY	.000685	.000685	0	0
21	Rail1	PY	.000685	.000685	0	0
22	MP GAMMA4	PY	.000612	.000612	0	0
23	MP GAMMA3	PY	.000612	.000612	0	0
24	MP GAMMA2	PY	.000612	.000612	0	0
25	MP GAMMA1	PY	.000612	.000612	0	0
26	MP BETA4	PY	.000612	.000612	0	0
27	MP BETA3	PY	.000612	.000612	0	0
28	MP BETA2	PY	.000612	.000612	0	0
29	MP BETA1	PY	.000612	.000612	0	0
30	MP ALPHA4	PY	.000612	.000612	0	0
31	MP ALPHA3	PY	.000612	.000612	0	0
32	MP ALPHA2	PY	.000612	.000612	0	0
33	MP ALPHA1	PY	.000612	.000612	0	0
34	KICKER3	PY	.000322	.000322	0	0
35	KICKER2	PY	.000322	.000322	0	0
36	KICKER1	PY	.000322	.000322	0	0
37	FACE2	PY	.000516	.000516	0	0
38	FACE3	PY	.002	.002	0	0
39	Face1	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	Support12	PY	.000223	.000223	0	0
2	Support11	PY	.000223	.000223	0	0
3	Support10	PY	.000223	.000223	0	0
4	Support9	PY	.000223	.000223	0	0
5	Support8	PY	.000223	.000223	0	0
6	Support7	PY	.000223	.000223	0	0
7	Support6	PY	.000223	.000223	0	0
8	Support5	PY	.000223	.000223	0	0
9	Support4	PY	.000223	.000223	0	0
10	Support3	PY	.000223	.000223	0	0
11	Support2	PY	.000223	.000223	0	0
12	Support1	PY	.000223	.000223	0	0
13	Standoff3	PY	.000447	.000447	0	0
14	Standoff1	PY	.000447	.000447	0	0
15	STANDOFF2	PY	.000447	.000447	0	0
16	RAIL3	PY	.000163	.000163	0	0
17	RSUPPORT3	PY	.000163	.000163	0	0
18	RSUPPORT2	PY	.000163	.000163	0	0
19	RSUPPORT1	PY	.000163	.000163	0	0
20	Rail1	PY	.000593	.000593	0	0
21	RAIL2	PY	.000593	.000593	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft,%]	End Location[ft,%]
22	MP GAMMA4	PY	.00053	.00053	0	0
23	MP GAMMA3	PY	.00053	.00053	0	0
24	MP GAMMA2	PY	.00053	.00053	0	0
25	MP GAMMA1	PY	.00053	.00053	0	0
26	MP BETA4	PY	.00053	.00053	0	0
27	MP BETA3	PY	.00053	.00053	0	0
28	MP BETA2	PY	.00053	.00053	0	0
29	MP BETA1	PY	.00053	.00053	0	0
30	MP ALPHA4	PY	.00053	.00053	0	0
31	MP ALPHA3	PY	.00053	.00053	0	0
32	MP ALPHA2	PY	.00053	.00053	0	0
33	MP ALPHA1	PY	.00053	.00053	0	0
34	KICKER3	PY	.000279	.000279	0	0
35	KICKER2	PY	.000279	.000279	0	0
36	KICKER1	PY	.000279	.000279	0	0
37	FACE3	PY	.000447	.000447	0	0
38	Face1	PY	.002	.002	0	0
39	FACE2	PY	.002	.002	0	0
40	Support12	PX	.000129	.000129	0	0
41	Support11	PX	.000129	.000129	0	0
42	Support10	PX	.000129	.000129	0	0
43	Support9	PX	.000129	.000129	0	0
44	Support8	PX	.000129	.000129	0	0
45	Support7	PX	.000129	.000129	0	0
46	Support6	PX	.000129	.000129	0	0
47	Support5	PX	.000129	.000129	0	0
48	Support4	PX	.000129	.000129	0	0
49	Support3	PX	.000129	.000129	0	0
50	Support2	PX	.000129	.000129	0	0
51	Support1	PX	.000129	.000129	0	0
52	Standoff3	PX	.000258	.000258	0	0
53	Standoff1	PX	.000258	.000258	0	0
54	STANDOFF2	PX	.000258	.000258	0	0
55	RAIL3	PX	9.4e-5	9.4e-5	0	0
56	RSUPPORT3	PX	9.4e-5	9.4e-5	0	0
57	RSUPPORT2	PX	9.4e-5	9.4e-5	0	0
58	RSUPPORT1	PX	9.4e-5	9.4e-5	0	0
59	Rail1	PX	.000342	.000342	0	0
60	RAIL2	PX	.000342	.000342	0	0
61	MP GAMMA4	PX	.000306	.000306	0	0
62	MP GAMMA3	PX	.000306	.000306	0	0
63	MP GAMMA2	PX	.000306	.000306	0	0
64	MP GAMMA1	PX	.000306	.000306	0	0
65	MP BETA4	PX	.000306	.000306	0	0
66	MP BETA3	PX	.000306	.000306	0	0
67	MP BETA2	PX	.000306	.000306	0	0
68	MP BETA1	PX	.000306	.000306	0	0
69	MP ALPHA4	PX	.000306	.000306	0	0
70	MP ALPHA3	PX	.000306	.000306	0	0
71	MP ALPHA2	PX	.000306	.000306	0	0
72	MP ALPHA1	PX	.000306	.000306	0	0
73	KICKER3	PX	.000161	.000161	0	0
74	KICKER2	PX	.000161	.000161	0	0
75	KICKER1	PX	.000161	.000161	0	0
76	FACE3	PX	.000258	.000258	0	0
77	Face1	PX	.00094	.00094	0	0
78	FACE2	PX	.00094	.00094	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	.000129	.000129	0	0
2	Support11	PY	.000129	.000129	0	0
3	Support10	PY	.000129	.000129	0	0
4	Support9	PY	.000129	.000129	0	0
5	Support8	PY	.000129	.000129	0	0
6	Support7	PY	.000129	.000129	0	0
7	Support6	PY	.000129	.000129	0	0
8	Support5	PY	.000129	.000129	0	0
9	Support4	PY	.000129	.000129	0	0
10	Support3	PY	.000129	.000129	0	0
11	Support2	PY	.000129	.000129	0	0
12	Support1	PY	.000129	.000129	0	0
13	Standoff3	PY	.000258	.000258	0	0
14	Standoff1	PY	.000258	.000258	0	0
15	STANDOFF2	PY	.000258	.000258	0	0
16	RAIL3	PY	9.4e-5	9.4e-5	0	0
17	RSUPPORT3	PY	9.4e-5	9.4e-5	0	0
18	RSUPPORT2	PY	9.4e-5	9.4e-5	0	0
19	RSUPPORT1	PY	9.4e-5	9.4e-5	0	0
20	Rail1	PY	.000342	.000342	0	0
21	RAIL2	PY	.000342	.000342	0	0
22	MP GAMMA4	PY	.000306	.000306	0	0
23	MP GAMMA3	PY	.000306	.000306	0	0
24	MP GAMMA2	PY	.000306	.000306	0	0
25	MP GAMMA1	PY	.000306	.000306	0	0
26	MP BETA4	PY	.000306	.000306	0	0
27	MP BETA3	PY	.000306	.000306	0	0
28	MP BETA2	PY	.000306	.000306	0	0
29	MP BETA1	PY	.000306	.000306	0	0
30	MP ALPHA4	PY	.000306	.000306	0	0
31	MP ALPHA3	PY	.000306	.000306	0	0
32	MP ALPHA2	PY	.000306	.000306	0	0
33	MP ALPHA1	PY	.000306	.000306	0	0
34	KICKER3	PY	.000161	.000161	0	0
35	KICKER2	PY	.000161	.000161	0	0
36	KICKER1	PY	.000161	.000161	0	0
37	FACE3	PY	.000258	.000258	0	0
38	Face1	PY	.00094	.00094	0	0
39	FACE2	PY	.00094	.00094	0	0
40	Support12	PX	.000223	.000223	0	0
41	Support11	PX	.000223	.000223	0	0
42	Support10	PX	.000223	.000223	0	0
43	Support9	PX	.000223	.000223	0	0
44	Support8	PX	.000223	.000223	0	0
45	Support7	PX	.000223	.000223	0	0
46	Support6	PX	.000223	.000223	0	0
47	Support5	PX	.000223	.000223	0	0
48	Support4	PX	.000223	.000223	0	0
49	Support3	PX	.000223	.000223	0	0
50	Support2	PX	.000223	.000223	0	0
51	Support1	PX	.000223	.000223	0	0
52	Standoff3	PX	.000447	.000447	0	0
53	Standoff1	PX	.000447	.000447	0	0
54	STANDOFF2	PX	.000447	.000447	0	0
55	RAIL3	PX	.000163	.000163	0	0
56	RSUPPORT3	PX	.000163	.000163	0	0
57	RSUPPORT2	PX	.000163	.000163	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
58	RSUPPORT1	PX	.000163	.000163	0	0
59	Rail1	PX	.000593	.000593	0	0
60	RAIL2	PX	.000593	.000593	0	0
61	MP GAMMA4	PX	.00053	.00053	0	0
62	MP GAMMA3	PX	.00053	.00053	0	0
63	MP GAMMA2	PX	.00053	.00053	0	0
64	MP GAMMA1	PX	.00053	.00053	0	0
65	MP BETA4	PX	.00053	.00053	0	0
66	MP BETA3	PX	.00053	.00053	0	0
67	MP BETA2	PX	.00053	.00053	0	0
68	MP BETA1	PX	.00053	.00053	0	0
69	MP ALPHA4	PX	.00053	.00053	0	0
70	MP ALPHA3	PX	.00053	.00053	0	0
71	MP ALPHA2	PX	.00053	.00053	0	0
72	MP ALPHA1	PX	.00053	.00053	0	0
73	KICKER3	PX	.000279	.000279	0	0
74	KICKER2	PX	.000279	.000279	0	0
75	KICKER1	PX	.000279	.000279	0	0
76	FACE3	PX	.000447	.000447	0	0
77	Face1	PX	.002	.002	0	0
78	FACE2	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
1	Support12	PX	.000258	.000258	0	0
2	Support11	PX	.000258	.000258	0	0
3	Support10	PX	.000258	.000258	0	0
4	Support9	PX	.000258	.000258	0	0
5	Support8	PX	.000258	.000258	0	0
6	Support7	PX	.000258	.000258	0	0
7	Support6	PX	.000258	.000258	0	0
8	Support5	PX	.000258	.000258	0	0
9	Support4	PX	.000258	.000258	0	0
10	Support3	PX	.000258	.000258	0	0
11	Support2	PX	.000258	.000258	0	0
12	Support1	PX	.000258	.000258	0	0
13	Standoff3	PX	.000516	.000516	0	0
14	Standoff1	PX	.000516	.000516	0	0
15	STANDOFF2	PX	.000516	.000516	0	0
16	RAIL3	PX	.000188	.000188	0	0
17	RSUPPORT3	PX	.000188	.000188	0	0
18	RSUPPORT2	PX	.000188	.000188	0	0
19	RSUPPORT1	PX	.000188	.000188	0	0
20	Rail1	PX	.000685	.000685	0	0
21	RAIL2	PX	.000685	.000685	0	0
22	MP GAMMA4	PX	.000612	.000612	0	0
23	MP GAMMA3	PX	.000612	.000612	0	0
24	MP GAMMA2	PX	.000612	.000612	0	0
25	MP GAMMA1	PX	.000612	.000612	0	0
26	MP BETA4	PX	.000612	.000612	0	0
27	MP BETA3	PX	.000612	.000612	0	0
28	MP BETA2	PX	.000612	.000612	0	0
29	MP BETA1	PX	.000612	.000612	0	0
30	MP ALPHA4	PX	.000612	.000612	0	0
31	MP ALPHA3	PX	.000612	.000612	0	0
32	MP ALPHA2	PX	.000612	.000612	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
33	MP ALPHA1	PX	.000612	.000612	0	0
34	KICKER3	PX	.000322	.000322	0	0
35	KICKER2	PX	.000322	.000322	0	0
36	KICKER1	PX	.000322	.000322	0	0
37	FACE3	PX	.000516	.000516	0	0
38	Face1	PX	.002	.002	0	0
39	FACE2	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
1	Support12	PY	-.000129	-.000129	0	0
2	Support11	PY	-.000129	-.000129	0	0
3	Support10	PY	-.000129	-.000129	0	0
4	Support9	PY	-.000129	-.000129	0	0
5	Support8	PY	-.000129	-.000129	0	0
6	Support7	PY	-.000129	-.000129	0	0
7	Support6	PY	-.000129	-.000129	0	0
8	Support5	PY	-.000129	-.000129	0	0
9	Support4	PY	-.000129	-.000129	0	0
10	Support3	PY	-.000129	-.000129	0	0
11	Support2	PY	-.000129	-.000129	0	0
12	Support1	PY	-.000129	-.000129	0	0
13	Standoff3	PY	-.000258	-.000258	0	0
14	Standoff1	PY	-.000258	-.000258	0	0
15	STANDOFF2	PY	-.000258	-.000258	0	0
16	RAIL3	PY	-9.4e-5	-9.4e-5	0	0
17	RSUPPORT3	PY	-9.4e-5	-9.4e-5	0	0
18	RSUPPORT2	PY	-9.4e-5	-9.4e-5	0	0
19	RSUPPORT1	PY	-9.4e-5	-9.4e-5	0	0
20	Rail1	PY	-.000342	-.000342	0	0
21	RAIL2	PY	-.000342	-.000342	0	0
22	MP GAMMA4	PY	-.000306	-.000306	0	0
23	MP GAMMA3	PY	-.000306	-.000306	0	0
24	MP GAMMA2	PY	-.000306	-.000306	0	0
25	MP GAMMA1	PY	-.000306	-.000306	0	0
26	MP BETA4	PY	-.000306	-.000306	0	0
27	MP BETA3	PY	-.000306	-.000306	0	0
28	MP BETA2	PY	-.000306	-.000306	0	0
29	MP BETA1	PY	-.000306	-.000306	0	0
30	MP ALPHA4	PY	-.000306	-.000306	0	0
31	MP ALPHA3	PY	-.000306	-.000306	0	0
32	MP ALPHA2	PY	-.000306	-.000306	0	0
33	MP ALPHA1	PY	-.000306	-.000306	0	0
34	KICKER3	PY	-.000161	-.000161	0	0
35	KICKER2	PY	-.000161	-.000161	0	0
36	KICKER1	PY	-.000161	-.000161	0	0
37	FACE3	PY	-.000258	-.000258	0	0
38	Face1	PY	-.00094	-.00094	0	0
39	FACE2	PY	-.00094	-.00094	0	0
40	Support12	PX	.000223	.000223	0	0
41	Support11	PX	.000223	.000223	0	0
42	Support10	PX	.000223	.000223	0	0
43	Support9	PX	.000223	.000223	0	0
44	Support8	PX	.000223	.000223	0	0
45	Support7	PX	.000223	.000223	0	0
46	Support6	PX	.000223	.000223	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft,%]	End Location[ft,%]
47	Support5	PX	.000223	.000223	0	0
48	Support4	PX	.000223	.000223	0	0
49	Support3	PX	.000223	.000223	0	0
50	Support2	PX	.000223	.000223	0	0
51	Support1	PX	.000223	.000223	0	0
52	Standoff3	PX	.000447	.000447	0	0
53	Standoff1	PX	.000447	.000447	0	0
54	STANDOFF2	PX	.000447	.000447	0	0
55	RAIL3	PX	.000163	.000163	0	0
56	RSUPPORT3	PX	.000163	.000163	0	0
57	RSUPPORT2	PX	.000163	.000163	0	0
58	RSUPPORT1	PX	.000163	.000163	0	0
59	Rail1	PX	.000593	.000593	0	0
60	RAIL2	PX	.000593	.000593	0	0
61	MP GAMMA4	PX	.00053	.00053	0	0
62	MP GAMMA3	PX	.00053	.00053	0	0
63	MP GAMMA2	PX	.00053	.00053	0	0
64	MP GAMMA1	PX	.00053	.00053	0	0
65	MP BETA4	PX	.00053	.00053	0	0
66	MP BETA3	PX	.00053	.00053	0	0
67	MP BETA2	PX	.00053	.00053	0	0
68	MP BETA1	PX	.00053	.00053	0	0
69	MP ALPHA4	PX	.00053	.00053	0	0
70	MP ALPHA3	PX	.00053	.00053	0	0
71	MP ALPHA2	PX	.00053	.00053	0	0
72	MP ALPHA1	PX	.00053	.00053	0	0
73	KICKER3	PX	.000279	.000279	0	0
74	KICKER2	PX	.000279	.000279	0	0
75	KICKER1	PX	.000279	.000279	0	0
76	FACE3	PX	.000447	.000447	0	0
77	Face1	PX	.002	.002	0	0
78	FACE2	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft,%]	End Location[ft,%]
1	Support12	PY	-.000223	-.000223	0	0
2	Support11	PY	-.000223	-.000223	0	0
3	Support10	PY	-.000223	-.000223	0	0
4	Support9	PY	-.000223	-.000223	0	0
5	Support8	PY	-.000223	-.000223	0	0
6	Support7	PY	-.000223	-.000223	0	0
7	Support6	PY	-.000223	-.000223	0	0
8	Support5	PY	-.000223	-.000223	0	0
9	Support4	PY	-.000223	-.000223	0	0
10	Support3	PY	-.000223	-.000223	0	0
11	Support2	PY	-.000223	-.000223	0	0
12	Support1	PY	-.000223	-.000223	0	0
13	Standoff3	PY	-.000447	-.000447	0	0
14	Standoff1	PY	-.000447	-.000447	0	0
15	STANDOFF2	PY	-.000447	-.000447	0	0
16	Rail1	PY	-.000163	-.000163	0	0
17	RSUPPORT3	PY	-.000163	-.000163	0	0
18	RSUPPORT2	PY	-.000163	-.000163	0	0
19	RSUPPORT1	PY	-.000163	-.000163	0	0
20	RAIL3	PY	-.000593	-.000593	0	0
21	RAIL2	PY	-.000593	-.000593	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
22	MP GAMMA4	PY	-.00053	-.00053	0	0
23	MP GAMMA3	PY	-.00053	-.00053	0	0
24	MP GAMMA2	PY	-.00053	-.00053	0	0
25	MP GAMMA1	PY	-.00053	-.00053	0	0
26	MP BETA4	PY	-.00053	-.00053	0	0
27	MP BETA3	PY	-.00053	-.00053	0	0
28	MP BETA2	PY	-.00053	-.00053	0	0
29	MP BETA1	PY	-.00053	-.00053	0	0
30	MP ALPHA4	PY	-.00053	-.00053	0	0
31	MP ALPHA3	PY	-.00053	-.00053	0	0
32	MP ALPHA2	PY	-.00053	-.00053	0	0
33	MP ALPHA1	PY	-.00053	-.00053	0	0
34	KICKER3	PY	-.000279	-.000279	0	0
35	KICKER2	PY	-.000279	-.000279	0	0
36	KICKER1	PY	-.000279	-.000279	0	0
37	Face1	PY	-.000447	-.000447	0	0
38	FACE3	PY	-.002	-.002	0	0
39	FACE2	PY	-.002	-.002	0	0
40	Support12	PX	.000129	.000129	0	0
41	Support11	PX	.000129	.000129	0	0
42	Support10	PX	.000129	.000129	0	0
43	Support9	PX	.000129	.000129	0	0
44	Support8	PX	.000129	.000129	0	0
45	Support7	PX	.000129	.000129	0	0
46	Support6	PX	.000129	.000129	0	0
47	Support5	PX	.000129	.000129	0	0
48	Support4	PX	.000129	.000129	0	0
49	Support3	PX	.000129	.000129	0	0
50	Support2	PX	.000129	.000129	0	0
51	Support1	PX	.000129	.000129	0	0
52	Standoff3	PX	.000258	.000258	0	0
53	Standoff1	PX	.000258	.000258	0	0
54	STANDOFF2	PX	.000258	.000258	0	0
55	Rail1	PX	9.4e-5	9.4e-5	0	0
56	RSUPPORT3	PX	9.4e-5	9.4e-5	0	0
57	RSUPPORT2	PX	9.4e-5	9.4e-5	0	0
58	RSUPPORT1	PX	9.4e-5	9.4e-5	0	0
59	RAIL3	PX	.000342	.000342	0	0
60	RAIL2	PX	.000342	.000342	0	0
61	MP GAMMA4	PX	.000306	.000306	0	0
62	MP GAMMA3	PX	.000306	.000306	0	0
63	MP GAMMA2	PX	.000306	.000306	0	0
64	MP GAMMA1	PX	.000306	.000306	0	0
65	MP BETA4	PX	.000306	.000306	0	0
66	MP BETA3	PX	.000306	.000306	0	0
67	MP BETA2	PX	.000306	.000306	0	0
68	MP BETA1	PX	.000306	.000306	0	0
69	MP ALPHA4	PX	.000306	.000306	0	0
70	MP ALPHA3	PX	.000306	.000306	0	0
71	MP ALPHA2	PX	.000306	.000306	0	0
72	MP ALPHA1	PX	.000306	.000306	0	0
73	KICKER3	PX	.000161	.000161	0	0
74	KICKER2	PX	.000161	.000161	0	0
75	KICKER1	PX	.000161	.000161	0	0
76	Face1	PX	.000258	.000258	0	0
77	FACE3	PX	.00094	.00094	0	0
78	FACE2	PX	.00094	.00094	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	Z	-0.1	-0.1	0	0
2	Support11	Z	-0.1	-0.1	0	0
3	Support10	Z	-0.1	-0.1	0	0
4	Support9	Z	-0.1	-0.1	0	0
5	Support8	Z	-0.1	-0.1	0	0
6	Support7	Z	-0.1	-0.1	0	0
7	Support6	Z	-0.1	-0.1	0	0
8	Support5	Z	-0.1	-0.1	0	0
9	Support4	Z	-0.1	-0.1	0	0
10	Support3	Z	-0.1	-0.1	0	0
11	Support2	Z	-0.1	-0.1	0	0
12	Support1	Z	-0.1	-0.1	0	0
13	Standoff3	Z	-0.15	-0.15	0	0
14	Standoff1	Z	-0.15	-0.15	0	0
15	STANDOFF2	Z	-0.15	-0.15	0	0
16	Rail1	Z	-0.009	-0.009	0	0
17	RSUPPORT3	Z	-0.009	-0.009	0	0
18	RSUPPORT2	Z	-0.009	-0.009	0	0
19	RSUPPORT1	Z	-0.009	-0.009	0	0
20	RAIL3	Z	-0.009	-0.009	0	0
21	RAIL2	Z	-0.009	-0.009	0	0
22	MP GAMMA4	Z	-0.009	-0.009	0	0
23	MP GAMMA3	Z	-0.009	-0.009	0	0
24	MP GAMMA2	Z	-0.009	-0.009	0	0
25	MP GAMMA1	Z	-0.009	-0.009	0	0
26	MP BETA4	Z	-0.009	-0.009	0	0
27	MP BETA3	Z	-0.009	-0.009	0	0
28	MP BETA2	Z	-0.009	-0.009	0	0
29	MP BETA1	Z	-0.009	-0.009	0	0
30	MP ALPHA4	Z	-0.009	-0.009	0	0
31	MP ALPHA3	Z	-0.009	-0.009	0	0
32	MP ALPHA2	Z	-0.009	-0.009	0	0
33	MP ALPHA1	Z	-0.009	-0.009	0	0
34	KICKER3	Z	-0.17	-0.17	0	0
35	KICKER2	Z	-0.17	-0.17	0	0
36	KICKER1	Z	-0.17	-0.17	0	0
37	Face1	Z	-0.15	-0.15	0	0
38	FACE3	Z	-0.15	-0.15	0	0
39	FACE2	Z	-0.15	-0.15	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	-0.003	-0.003	0	0
2	Support11	PY	-0.003	-0.003	0	0
3	Support10	PY	-0.003	-0.003	0	0
4	Support9	PY	-0.003	-0.003	0	0
5	Support8	PY	-0.003	-0.003	0	0
6	Support7	PY	-0.003	-0.003	0	0
7	Support6	PY	-0.003	-0.003	0	0
8	Support5	PY	-0.003	-0.003	0	0
9	Support4	PY	-0.003	-0.003	0	0
10	Support3	PY	-0.003	-0.003	0	0
11	Support2	PY	-0.003	-0.003	0	0
12	Support1	PY	-0.003	-0.003	0	0
13	Standoff3	PY	-0.004	-0.004	0	0
14	Standoff1	PY	-0.004	-0.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
15	STANDOFF2	PY	-.004	-.004	0	0
16	Rail1	PY	-.002	-.002	0	0
17	RSUPPORT3	PY	-.002	-.002	0	0
18	RSUPPORT2	PY	-.002	-.002	0	0
19	RSUPPORT1	PY	-.002	-.002	0	0
20	RAIL3	PY	-.006	-.006	0	0
21	RAIL2	PY	-.006	-.006	0	0
22	MP GAMMA4	PY	-.004	-.004	0	0
23	MP GAMMA3	PY	-.004	-.004	0	0
24	MP GAMMA2	PY	-.004	-.004	0	0
25	MP GAMMA1	PY	-.004	-.004	0	0
26	MP BETA4	PY	-.004	-.004	0	0
27	MP BETA3	PY	-.004	-.004	0	0
28	MP BETA2	PY	-.004	-.004	0	0
29	MP BETA1	PY	-.004	-.004	0	0
30	MP ALPHA4	PY	-.004	-.004	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	KICKER3	PY	-.003	-.003	0	0
35	KICKER2	PY	-.003	-.003	0	0
36	KICKER1	PY	-.003	-.003	0	0
37	Face1	PY	-.004	-.004	0	0
38	FACE3	PY	-.007	-.007	0	0
39	FACE2	PY	-.007	-.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	-.002	-.002	0	0
2	Support11	PY	-.002	-.002	0	0
3	Support10	PY	-.002	-.002	0	0
4	Support9	PY	-.002	-.002	0	0
5	Support8	PY	-.002	-.002	0	0
6	Support7	PY	-.002	-.002	0	0
7	Support6	PY	-.002	-.002	0	0
8	Support5	PY	-.002	-.002	0	0
9	Support4	PY	-.002	-.002	0	0
10	Support3	PY	-.002	-.002	0	0
11	Support2	PY	-.002	-.002	0	0
12	Support1	PY	-.002	-.002	0	0
13	Standoff3	PY	-.003	-.003	0	0
14	Standoff1	PY	-.003	-.003	0	0
15	STANDOFF2	PY	-.003	-.003	0	0
16	Rail1	PY	-.001	-.001	0	0
17	RSUPPORT3	PY	-.001	-.001	0	0
18	RSUPPORT2	PY	-.001	-.001	0	0
19	RSUPPORT1	PY	-.001	-.001	0	0
20	RAIL3	PY	-.005	-.005	0	0
21	RAIL2	PY	-.005	-.005	0	0
22	MP GAMMA4	PY	-.003	-.003	0	0
23	MP GAMMA3	PY	-.003	-.003	0	0
24	MP GAMMA2	PY	-.003	-.003	0	0
25	MP GAMMA1	PY	-.003	-.003	0	0
26	MP BETA4	PY	-.003	-.003	0	0
27	MP BETA3	PY	-.003	-.003	0	0
28	MP BETA2	PY	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
29	MP BETA1	PY	-0.003	-0.003	0	0
30	MP ALPHA4	PY	-0.003	-0.003	0	0
31	MP ALPHA3	PY	-0.003	-0.003	0	0
32	MP ALPHA2	PY	-0.003	-0.003	0	0
33	MP ALPHA1	PY	-0.003	-0.003	0	0
34	KICKER3	PY	-0.003	-0.003	0	0
35	KICKER2	PY	-0.003	-0.003	0	0
36	KICKER1	PY	-0.003	-0.003	0	0
37	Face1	PY	-0.003	-0.003	0	0
38	FACE3	PY	-0.006	-0.006	0	0
39	FACE2	PY	-0.006	-0.006	0	0
40	Support12	PX	-0.001	-0.001	0	0
41	Support11	PX	-0.001	-0.001	0	0
42	Support10	PX	-0.001	-0.001	0	0
43	Support9	PX	-0.001	-0.001	0	0
44	Support8	PX	-0.001	-0.001	0	0
45	Support7	PX	-0.001	-0.001	0	0
46	Support6	PX	-0.001	-0.001	0	0
47	Support5	PX	-0.001	-0.001	0	0
48	Support4	PX	-0.001	-0.001	0	0
49	Support3	PX	-0.001	-0.001	0	0
50	Support2	PX	-0.001	-0.001	0	0
51	Support1	PX	-0.001	-0.001	0	0
52	Standoff3	PX	-0.002	-0.002	0	0
53	Standoff1	PX	-0.002	-0.002	0	0
54	STANDOFF2	PX	-0.002	-0.002	0	0
55	Rail1	PX	-0.000792	-0.000792	0	0
56	RSUPPORT3	PX	-0.000792	-0.000792	0	0
57	RSUPPORT2	PX	-0.000792	-0.000792	0	0
58	RSUPPORT1	PX	-0.000792	-0.000792	0	0
59	RAIL3	PX	-0.003	-0.003	0	0
60	RAIL2	PX	-0.003	-0.003	0	0
61	MP GAMMA4	PX	-0.002	-0.002	0	0
62	MP GAMMA3	PX	-0.002	-0.002	0	0
63	MP GAMMA2	PX	-0.002	-0.002	0	0
64	MP GAMMA1	PX	-0.002	-0.002	0	0
65	MP BETA4	PX	-0.002	-0.002	0	0
66	MP BETA3	PX	-0.002	-0.002	0	0
67	MP BETA2	PX	-0.002	-0.002	0	0
68	MP BETA1	PX	-0.002	-0.002	0	0
69	MP ALPHA4	PX	-0.002	-0.002	0	0
70	MP ALPHA3	PX	-0.002	-0.002	0	0
71	MP ALPHA2	PX	-0.002	-0.002	0	0
72	MP ALPHA1	PX	-0.002	-0.002	0	0
73	KICKER3	PX	-0.001	-0.001	0	0
74	KICKER2	PX	-0.001	-0.001	0	0
75	KICKER1	PX	-0.001	-0.001	0	0
76	Face1	PX	-0.002	-0.002	0	0
77	FACE3	PX	-0.004	-0.004	0	0
78	FACE2	PX	-0.004	-0.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	-0.001	-0.001	0	0
2	Support11	PY	-0.001	-0.001	0	0
3	Support10	PY	-0.001	-0.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
4	Support9	PY	-.001	-.001	0	0
5	Support8	PY	-.001	-.001	0	0
6	Support7	PY	-.001	-.001	0	0
7	Support6	PY	-.001	-.001	0	0
8	Support5	PY	-.001	-.001	0	0
9	Support4	PY	-.001	-.001	0	0
10	Support3	PY	-.001	-.001	0	0
11	Support2	PY	-.001	-.001	0	0
12	Support1	PY	-.001	-.001	0	0
13	Standoff3	PY	-.002	-.002	0	0
14	Standoff1	PY	-.002	-.002	0	0
15	STANDOFF2	PY	-.002	-.002	0	0
16	Rail1	PY	-.000792	-.000792	0	0
17	RSUPPORT3	PY	-.000792	-.000792	0	0
18	RSUPPORT2	PY	-.000792	-.000792	0	0
19	RSUPPORT1	PY	-.000792	-.000792	0	0
20	RAIL3	PY	-.003	-.003	0	0
21	RAIL2	PY	-.003	-.003	0	0
22	MP GAMMA4	PY	-.002	-.002	0	0
23	MP GAMMA3	PY	-.002	-.002	0	0
24	MP GAMMA2	PY	-.002	-.002	0	0
25	MP GAMMA1	PY	-.002	-.002	0	0
26	MP BETA4	PY	-.002	-.002	0	0
27	MP BETA3	PY	-.002	-.002	0	0
28	MP BETA2	PY	-.002	-.002	0	0
29	MP BETA1	PY	-.002	-.002	0	0
30	MP ALPHA4	PY	-.002	-.002	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	KICKER3	PY	-.001	-.001	0	0
35	KICKER2	PY	-.001	-.001	0	0
36	KICKER1	PY	-.001	-.001	0	0
37	Face1	PY	-.002	-.002	0	0
38	FACE3	PY	-.004	-.004	0	0
39	FACE2	PY	-.004	-.004	0	0
40	Support12	PX	-.002	-.002	0	0
41	Support11	PX	-.002	-.002	0	0
42	Support10	PX	-.002	-.002	0	0
43	Support9	PX	-.002	-.002	0	0
44	Support8	PX	-.002	-.002	0	0
45	Support7	PX	-.002	-.002	0	0
46	Support6	PX	-.002	-.002	0	0
47	Support5	PX	-.002	-.002	0	0
48	Support4	PX	-.002	-.002	0	0
49	Support3	PX	-.002	-.002	0	0
50	Support2	PX	-.002	-.002	0	0
51	Support1	PX	-.002	-.002	0	0
52	Standoff3	PX	-.003	-.003	0	0
53	Standoff1	PX	-.003	-.003	0	0
54	STANDOFF2	PX	-.003	-.003	0	0
55	Rail1	PX	-.001	-.001	0	0
56	RSUPPORT3	PX	-.001	-.001	0	0
57	RSUPPORT2	PX	-.001	-.001	0	0
58	RSUPPORT1	PX	-.001	-.001	0	0
59	RAIL3	PX	-.005	-.005	0	0
60	RAIL2	PX	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
61	MP GAMMA4	PX	-.003	-.003	0	0
62	MP GAMMA3	PX	-.003	-.003	0	0
63	MP GAMMA2	PX	-.003	-.003	0	0
64	MP GAMMA1	PX	-.003	-.003	0	0
65	MP BETA4	PX	-.003	-.003	0	0
66	MP BETA3	PX	-.003	-.003	0	0
67	MP BETA2	PX	-.003	-.003	0	0
68	MP BETA1	PX	-.003	-.003	0	0
69	MP ALPHA4	PX	-.003	-.003	0	0
70	MP ALPHA3	PX	-.003	-.003	0	0
71	MP ALPHA2	PX	-.003	-.003	0	0
72	MP ALPHA1	PX	-.003	-.003	0	0
73	KICKER3	PX	-.003	-.003	0	0
74	KICKER2	PX	-.003	-.003	0	0
75	KICKER1	PX	-.003	-.003	0	0
76	Face1	PX	-.003	-.003	0	0
77	FACE3	PX	-.006	-.006	0	0
78	FACE2	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	Support12	PX	-.003	-.003	0	0
2	Support11	PX	-.003	-.003	0	0
3	Support10	PX	-.003	-.003	0	0
4	Support9	PX	-.003	-.003	0	0
5	Support8	PX	-.003	-.003	0	0
6	Support7	PX	-.003	-.003	0	0
7	Support6	PX	-.003	-.003	0	0
8	Support5	PX	-.003	-.003	0	0
9	Support4	PX	-.003	-.003	0	0
10	Support3	PX	-.003	-.003	0	0
11	Support2	PX	-.003	-.003	0	0
12	Support1	PX	-.003	-.003	0	0
13	Standoff3	PX	-.004	-.004	0	0
14	Standoff1	PX	-.004	-.004	0	0
15	STANDOFF2	PX	-.004	-.004	0	0
16	RAIL2	PX	-.002	-.002	0	0
17	RSUPPORT3	PX	-.002	-.002	0	0
18	RSUPPORT2	PX	-.002	-.002	0	0
19	RSUPPORT1	PX	-.002	-.002	0	0
20	RAIL3	PX	-.006	-.006	0	0
21	Rail1	PX	-.006	-.006	0	0
22	MP GAMMA4	PX	-.004	-.004	0	0
23	MP GAMMA3	PX	-.004	-.004	0	0
24	MP GAMMA2	PX	-.004	-.004	0	0
25	MP GAMMA1	PX	-.004	-.004	0	0
26	MP BETA4	PX	-.004	-.004	0	0
27	MP BETA3	PX	-.004	-.004	0	0
28	MP BETA2	PX	-.004	-.004	0	0
29	MP BETA1	PX	-.004	-.004	0	0
30	MP ALPHA4	PX	-.004	-.004	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	KICKER3	PX	-.003	-.003	0	0
35	KICKER2	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
36	KICKER1	PX	-.003	-.003	0	0
37	FACE2	PX	-.004	-.004	0	0
38	FACE3	PX	-.007	-.007	0	0
39	Face1	PX	-.007	-.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	.001	.001	0	0
2	Support11	PY	.001	.001	0	0
3	Support10	PY	.001	.001	0	0
4	Support9	PY	.001	.001	0	0
5	Support8	PY	.001	.001	0	0
6	Support7	PY	.001	.001	0	0
7	Support6	PY	.001	.001	0	0
8	Support5	PY	.001	.001	0	0
9	Support4	PY	.001	.001	0	0
10	Support3	PY	.001	.001	0	0
11	Support2	PY	.001	.001	0	0
12	Support1	PY	.001	.001	0	0
13	Standoff3	PY	.002	.002	0	0
14	Standoff1	PY	.002	.002	0	0
15	STANDOFF2	PY	.002	.002	0	0
16	RAIL2	PY	.000792	.000792	0	0
17	RSUPPORT3	PY	.000792	.000792	0	0
18	RSUPPORT2	PY	.000792	.000792	0	0
19	RSUPPORT1	PY	.000792	.000792	0	0
20	RAIL3	PY	.003	.003	0	0
21	Rail1	PY	.003	.003	0	0
22	MP GAMMA4	PY	.002	.002	0	0
23	MP GAMMA3	PY	.002	.002	0	0
24	MP GAMMA2	PY	.002	.002	0	0
25	MP GAMMA1	PY	.002	.002	0	0
26	MP BETA4	PY	.002	.002	0	0
27	MP BETA3	PY	.002	.002	0	0
28	MP BETA2	PY	.002	.002	0	0
29	MP BETA1	PY	.002	.002	0	0
30	MP ALPHA4	PY	.002	.002	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	KICKER3	PY	.001	.001	0	0
35	KICKER2	PY	.001	.001	0	0
36	KICKER1	PY	.001	.001	0	0
37	FACE2	PY	.002	.002	0	0
38	FACE3	PY	.004	.004	0	0
39	Face1	PY	.004	.004	0	0
40	Support12	PX	-.002	-.002	0	0
41	Support11	PX	-.002	-.002	0	0
42	Support10	PX	-.002	-.002	0	0
43	Support9	PX	-.002	-.002	0	0
44	Support8	PX	-.002	-.002	0	0
45	Support7	PX	-.002	-.002	0	0
46	Support6	PX	-.002	-.002	0	0
47	Support5	PX	-.002	-.002	0	0
48	Support4	PX	-.002	-.002	0	0
49	Support3	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
50	Support2	PX	-.002	-.002	0	0
51	Support1	PX	-.002	-.002	0	0
52	Standoff3	PX	-.003	-.003	0	0
53	Standoff1	PX	-.003	-.003	0	0
54	STANDOFF2	PX	-.003	-.003	0	0
55	RAIL2	PX	-.001	-.001	0	0
56	RSUPPORT3	PX	-.001	-.001	0	0
57	RSUPPORT2	PX	-.001	-.001	0	0
58	RSUPPORT1	PX	-.001	-.001	0	0
59	RAIL3	PX	-.005	-.005	0	0
60	Rail1	PX	-.005	-.005	0	0
61	MP GAMMA4	PX	-.003	-.003	0	0
62	MP GAMMA3	PX	-.003	-.003	0	0
63	MP GAMMA2	PX	-.003	-.003	0	0
64	MP GAMMA1	PX	-.003	-.003	0	0
65	MP BETA4	PX	-.003	-.003	0	0
66	MP BETA3	PX	-.003	-.003	0	0
67	MP BETA2	PX	-.003	-.003	0	0
68	MP BETA1	PX	-.003	-.003	0	0
69	MP ALPHA4	PX	-.003	-.003	0	0
70	MP ALPHA3	PX	-.003	-.003	0	0
71	MP ALPHA2	PX	-.003	-.003	0	0
72	MP ALPHA1	PX	-.003	-.003	0	0
73	KICKER3	PX	-.003	-.003	0	0
74	KICKER2	PX	-.003	-.003	0	0
75	KICKER1	PX	-.003	-.003	0	0
76	FACE2	PX	-.003	-.003	0	0
77	FACE3	PX	-.006	-.006	0	0
78	Face1	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	.002	.002	0	0
2	Support11	PY	.002	.002	0	0
3	Support10	PY	.002	.002	0	0
4	Support9	PY	.002	.002	0	0
5	Support8	PY	.002	.002	0	0
6	Support7	PY	.002	.002	0	0
7	Support6	PY	.002	.002	0	0
8	Support5	PY	.002	.002	0	0
9	Support4	PY	.002	.002	0	0
10	Support3	PY	.002	.002	0	0
11	Support2	PY	.002	.002	0	0
12	Support1	PY	.002	.002	0	0
13	Standoff3	PY	.003	.003	0	0
14	Standoff1	PY	.003	.003	0	0
15	STANDOFF2	PY	.003	.003	0	0
16	RAIL2	PY	.001	.001	0	0
17	RSUPPORT3	PY	.001	.001	0	0
18	RSUPPORT2	PY	.001	.001	0	0
19	RSUPPORT1	PY	.001	.001	0	0
20	RAIL3	PY	.005	.005	0	0
21	Rail1	PY	.005	.005	0	0
22	MP GAMMA4	PY	.003	.003	0	0
23	MP GAMMA3	PY	.003	.003	0	0
24	MP GAMMA2	PY	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
25	MP GAMMA1	PY	.003	.003	0	0
26	MP BETA4	PY	.003	.003	0	0
27	MP BETA3	PY	.003	.003	0	0
28	MP BETA2	PY	.003	.003	0	0
29	MP BETA1	PY	.003	.003	0	0
30	MP ALPHA4	PY	.003	.003	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	KICKER3	PY	.003	.003	0	0
35	KICKER2	PY	.003	.003	0	0
36	KICKER1	PY	.003	.003	0	0
37	FACE2	PY	.003	.003	0	0
38	FACE3	PY	.006	.006	0	0
39	Face1	PY	.006	.006	0	0
40	Support12	PX	-.001	-.001	0	0
41	Support11	PX	-.001	-.001	0	0
42	Support10	PX	-.001	-.001	0	0
43	Support9	PX	-.001	-.001	0	0
44	Support8	PX	-.001	-.001	0	0
45	Support7	PX	-.001	-.001	0	0
46	Support6	PX	-.001	-.001	0	0
47	Support5	PX	-.001	-.001	0	0
48	Support4	PX	-.001	-.001	0	0
49	Support3	PX	-.001	-.001	0	0
50	Support2	PX	-.001	-.001	0	0
51	Support1	PX	-.001	-.001	0	0
52	Standoff3	PX	-.002	-.002	0	0
53	Standoff1	PX	-.002	-.002	0	0
54	STANDOFF2	PX	-.002	-.002	0	0
55	RAIL2	PX	-.000792	-.000792	0	0
56	RSUPPORT3	PX	-.000792	-.000792	0	0
57	RSUPPORT2	PX	-.000792	-.000792	0	0
58	RSUPPORT1	PX	-.000792	-.000792	0	0
59	RAIL3	PX	-.003	-.003	0	0
60	Rail1	PX	-.003	-.003	0	0
61	MP GAMMA4	PX	-.002	-.002	0	0
62	MP GAMMA3	PX	-.002	-.002	0	0
63	MP GAMMA2	PX	-.002	-.002	0	0
64	MP GAMMA1	PX	-.002	-.002	0	0
65	MP BETA4	PX	-.002	-.002	0	0
66	MP BETA3	PX	-.002	-.002	0	0
67	MP BETA2	PX	-.002	-.002	0	0
68	MP BETA1	PX	-.002	-.002	0	0
69	MP ALPHA4	PX	-.002	-.002	0	0
70	MP ALPHA3	PX	-.002	-.002	0	0
71	MP ALPHA2	PX	-.002	-.002	0	0
72	MP ALPHA1	PX	-.002	-.002	0	0
73	KICKER3	PX	-.001	-.001	0	0
74	KICKER2	PX	-.001	-.001	0	0
75	KICKER1	PX	-.001	-.001	0	0
76	FACE2	PX	-.002	-.002	0	0
77	FACE3	PX	-.004	-.004	0	0
78	Face1	PX	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
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Member Distributed Loads (BLC 34 : Ice Wind Load (180)) (Continued)

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	.003	.003	0	0
2	Support11	PY	.003	.003	0	0
3	Support10	PY	.003	.003	0	0
4	Support9	PY	.003	.003	0	0
5	Support8	PY	.003	.003	0	0
6	Support7	PY	.003	.003	0	0
7	Support6	PY	.003	.003	0	0
8	Support5	PY	.003	.003	0	0
9	Support4	PY	.003	.003	0	0
10	Support3	PY	.003	.003	0	0
11	Support2	PY	.003	.003	0	0
12	Support1	PY	.003	.003	0	0
13	Standoff3	PY	.004	.004	0	0
14	Standoff1	PY	.004	.004	0	0
15	STANDOFF2	PY	.004	.004	0	0
16	RAIL2	PY	.002	.002	0	0
17	RSUPPORT3	PY	.002	.002	0	0
18	RSUPPORT2	PY	.002	.002	0	0
19	RSUPPORT1	PY	.002	.002	0	0
20	RAIL3	PY	.006	.006	0	0
21	Rail1	PY	.006	.006	0	0
22	MP GAMMA4	PY	.004	.004	0	0
23	MP GAMMA3	PY	.004	.004	0	0
24	MP GAMMA2	PY	.004	.004	0	0
25	MP GAMMA1	PY	.004	.004	0	0
26	MP BETA4	PY	.004	.004	0	0
27	MP BETA3	PY	.004	.004	0	0
28	MP BETA2	PY	.004	.004	0	0
29	MP BETA1	PY	.004	.004	0	0
30	MP ALPHA4	PY	.004	.004	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	KICKER3	PY	.003	.003	0	0
35	KICKER2	PY	.003	.003	0	0
36	KICKER1	PY	.003	.003	0	0
37	FACE2	PY	.004	.004	0	0
38	FACE3	PY	.007	.007	0	0
39	Face1	PY	.007	.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
1	Support12	PY	.002	.002	0	0
2	Support11	PY	.002	.002	0	0
3	Support10	PY	.002	.002	0	0
4	Support9	PY	.002	.002	0	0
5	Support8	PY	.002	.002	0	0
6	Support7	PY	.002	.002	0	0
7	Support6	PY	.002	.002	0	0
8	Support5	PY	.002	.002	0	0
9	Support4	PY	.002	.002	0	0
10	Support3	PY	.002	.002	0	0
11	Support2	PY	.002	.002	0	0
12	Support1	PY	.002	.002	0	0
13	Standoff3	PY	.003	.003	0	0
14	Standoff1	PY	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
15	STANDOFF2	PY	.003	.003	0	0
16	RAIL3	PY	.001	.001	0	0
17	RSUPPORT3	PY	.001	.001	0	0
18	RSUPPORT2	PY	.001	.001	0	0
19	RSUPPORT1	PY	.001	.001	0	0
20	Rail1	PY	.005	.005	0	0
21	RAIL2	PY	.005	.005	0	0
22	MP GAMMA4	PY	.003	.003	0	0
23	MP GAMMA3	PY	.003	.003	0	0
24	MP GAMMA2	PY	.003	.003	0	0
25	MP GAMMA1	PY	.003	.003	0	0
26	MP BETA4	PY	.003	.003	0	0
27	MP BETA3	PY	.003	.003	0	0
28	MP BETA2	PY	.003	.003	0	0
29	MP BETA1	PY	.003	.003	0	0
30	MP ALPHA4	PY	.003	.003	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	KICKER3	PY	.003	.003	0	0
35	KICKER2	PY	.003	.003	0	0
36	KICKER1	PY	.003	.003	0	0
37	FACE3	PY	.003	.003	0	0
38	Face1	PY	.006	.006	0	0
39	FACE2	PY	.006	.006	0	0
40	Support12	PX	.001	.001	0	0
41	Support11	PX	.001	.001	0	0
42	Support10	PX	.001	.001	0	0
43	Support9	PX	.001	.001	0	0
44	Support8	PX	.001	.001	0	0
45	Support7	PX	.001	.001	0	0
46	Support6	PX	.001	.001	0	0
47	Support5	PX	.001	.001	0	0
48	Support4	PX	.001	.001	0	0
49	Support3	PX	.001	.001	0	0
50	Support2	PX	.001	.001	0	0
51	Support1	PX	.001	.001	0	0
52	Standoff3	PX	.002	.002	0	0
53	Standoff1	PX	.002	.002	0	0
54	STANDOFF2	PX	.002	.002	0	0
55	RAIL3	PX	.000792	.000792	0	0
56	RSUPPORT3	PX	.000792	.000792	0	0
57	RSUPPORT2	PX	.000792	.000792	0	0
58	RSUPPORT1	PX	.000792	.000792	0	0
59	Rail1	PX	.003	.003	0	0
60	RAIL2	PX	.003	.003	0	0
61	MP GAMMA4	PX	.002	.002	0	0
62	MP GAMMA3	PX	.002	.002	0	0
63	MP GAMMA2	PX	.002	.002	0	0
64	MP GAMMA1	PX	.002	.002	0	0
65	MP BETA4	PX	.002	.002	0	0
66	MP BETA3	PX	.002	.002	0	0
67	MP BETA2	PX	.002	.002	0	0
68	MP BETA1	PX	.002	.002	0	0
69	MP ALPHA4	PX	.002	.002	0	0
70	MP ALPHA3	PX	.002	.002	0	0
71	MP ALPHA2	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
72	MP ALPHA1	PX	.002	.002	0	0
73	KICKER3	PX	.001	.001	0	0
74	KICKER2	PX	.001	.001	0	0
75	KICKER1	PX	.001	.001	0	0
76	FACE3	PX	.002	.002	0	0
77	Face1	PX	.004	.004	0	0
78	FACE2	PX	.004	.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
1	Support12	PY	.001	.001	0	0
2	Support11	PY	.001	.001	0	0
3	Support10	PY	.001	.001	0	0
4	Support9	PY	.001	.001	0	0
5	Support8	PY	.001	.001	0	0
6	Support7	PY	.001	.001	0	0
7	Support6	PY	.001	.001	0	0
8	Support5	PY	.001	.001	0	0
9	Support4	PY	.001	.001	0	0
10	Support3	PY	.001	.001	0	0
11	Support2	PY	.001	.001	0	0
12	Support1	PY	.001	.001	0	0
13	Standoff3	PY	.002	.002	0	0
14	Standoff1	PY	.002	.002	0	0
15	STANDOFF2	PY	.002	.002	0	0
16	RAIL3	PY	.000792	.000792	0	0
17	RSUPPORT3	PY	.000792	.000792	0	0
18	RSUPPORT2	PY	.000792	.000792	0	0
19	RSUPPORT1	PY	.000792	.000792	0	0
20	Rail1	PY	.003	.003	0	0
21	RAIL2	PY	.003	.003	0	0
22	MP GAMMA4	PY	.002	.002	0	0
23	MP GAMMA3	PY	.002	.002	0	0
24	MP GAMMA2	PY	.002	.002	0	0
25	MP GAMMA1	PY	.002	.002	0	0
26	MP BETA4	PY	.002	.002	0	0
27	MP BETA3	PY	.002	.002	0	0
28	MP BETA2	PY	.002	.002	0	0
29	MP BETA1	PY	.002	.002	0	0
30	MP ALPHA4	PY	.002	.002	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	KICKER3	PY	.001	.001	0	0
35	KICKER2	PY	.001	.001	0	0
36	KICKER1	PY	.001	.001	0	0
37	FACE3	PY	.002	.002	0	0
38	Face1	PY	.004	.004	0	0
39	FACE2	PY	.004	.004	0	0
40	Support12	PX	.002	.002	0	0
41	Support11	PX	.002	.002	0	0
42	Support10	PX	.002	.002	0	0
43	Support9	PX	.002	.002	0	0
44	Support8	PX	.002	.002	0	0
45	Support7	PX	.002	.002	0	0
46	Support6	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
47	Support5	PX	.002	.002	0	0
48	Support4	PX	.002	.002	0	0
49	Support3	PX	.002	.002	0	0
50	Support2	PX	.002	.002	0	0
51	Support1	PX	.002	.002	0	0
52	Standoff3	PX	.003	.003	0	0
53	Standoff1	PX	.003	.003	0	0
54	STANDOFF2	PX	.003	.003	0	0
55	RAIL3	PX	.001	.001	0	0
56	RSUPPORT3	PX	.001	.001	0	0
57	RSUPPORT2	PX	.001	.001	0	0
58	RSUPPORT1	PX	.001	.001	0	0
59	Rail1	PX	.005	.005	0	0
60	RAIL2	PX	.005	.005	0	0
61	MP GAMMA4	PX	.003	.003	0	0
62	MP GAMMA3	PX	.003	.003	0	0
63	MP GAMMA2	PX	.003	.003	0	0
64	MP GAMMA1	PX	.003	.003	0	0
65	MP BETA4	PX	.003	.003	0	0
66	MP BETA3	PX	.003	.003	0	0
67	MP BETA2	PX	.003	.003	0	0
68	MP BETA1	PX	.003	.003	0	0
69	MP ALPHA4	PX	.003	.003	0	0
70	MP ALPHA3	PX	.003	.003	0	0
71	MP ALPHA2	PX	.003	.003	0	0
72	MP ALPHA1	PX	.003	.003	0	0
73	KICKER3	PX	.003	.003	0	0
74	KICKER2	PX	.003	.003	0	0
75	KICKER1	PX	.003	.003	0	0
76	FACE3	PX	.003	.003	0	0
77	Face1	PX	.006	.006	0	0
78	FACE2	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
1	Support12	PX	.003	.003	0	0
2	Support11	PX	.003	.003	0	0
3	Support10	PX	.003	.003	0	0
4	Support9	PX	.003	.003	0	0
5	Support8	PX	.003	.003	0	0
6	Support7	PX	.003	.003	0	0
7	Support6	PX	.003	.003	0	0
8	Support5	PX	.003	.003	0	0
9	Support4	PX	.003	.003	0	0
10	Support3	PX	.003	.003	0	0
11	Support2	PX	.003	.003	0	0
12	Support1	PX	.003	.003	0	0
13	Standoff3	PX	.004	.004	0	0
14	Standoff1	PX	.004	.004	0	0
15	STANDOFF2	PX	.004	.004	0	0
16	RAIL3	PX	.002	.002	0	0
17	RSUPPORT3	PX	.002	.002	0	0
18	RSUPPORT2	PX	.002	.002	0	0
19	RSUPPORT1	PX	.002	.002	0	0
20	Rail1	PX	.006	.006	0	0
21	RAIL2	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
22	MP GAMMA4	PX	.004	.004	0	0
23	MP GAMMA3	PX	.004	.004	0	0
24	MP GAMMA2	PX	.004	.004	0	0
25	MP GAMMA1	PX	.004	.004	0	0
26	MP BETA4	PX	.004	.004	0	0
27	MP BETA3	PX	.004	.004	0	0
28	MP BETA2	PX	.004	.004	0	0
29	MP BETA1	PX	.004	.004	0	0
30	MP ALPHA4	PX	.004	.004	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	KICKER3	PX	.003	.003	0	0
35	KICKER2	PX	.003	.003	0	0
36	KICKER1	PX	.003	.003	0	0
37	FACE3	PX	.004	.004	0	0
38	Face1	PX	.007	.007	0	0
39	FACE2	PX	.007	.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft,%]	End Location[ft,%]
1	Support12	PY	-.001	-.001	0	0
2	Support11	PY	-.001	-.001	0	0
3	Support10	PY	-.001	-.001	0	0
4	Support9	PY	-.001	-.001	0	0
5	Support8	PY	-.001	-.001	0	0
6	Support7	PY	-.001	-.001	0	0
7	Support6	PY	-.001	-.001	0	0
8	Support5	PY	-.001	-.001	0	0
9	Support4	PY	-.001	-.001	0	0
10	Support3	PY	-.001	-.001	0	0
11	Support2	PY	-.001	-.001	0	0
12	Support1	PY	-.001	-.001	0	0
13	Standoff3	PY	-.002	-.002	0	0
14	Standoff1	PY	-.002	-.002	0	0
15	STANDOFF2	PY	-.002	-.002	0	0
16	RAIL3	PY	-.000792	-.000792	0	0
17	RSUPPORT3	PY	-.000792	-.000792	0	0
18	RSUPPORT2	PY	-.000792	-.000792	0	0
19	RSUPPORT1	PY	-.000792	-.000792	0	0
20	Rail1	PY	-.003	-.003	0	0
21	RAIL2	PY	-.003	-.003	0	0
22	MP GAMMA4	PY	-.002	-.002	0	0
23	MP GAMMA3	PY	-.002	-.002	0	0
24	MP GAMMA2	PY	-.002	-.002	0	0
25	MP GAMMA1	PY	-.002	-.002	0	0
26	MP BETA4	PY	-.002	-.002	0	0
27	MP BETA3	PY	-.002	-.002	0	0
28	MP BETA2	PY	-.002	-.002	0	0
29	MP BETA1	PY	-.002	-.002	0	0
30	MP ALPHA4	PY	-.002	-.002	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	KICKER3	PY	-.001	-.001	0	0
35	KICKER2	PY	-.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/ft,...	Start Location[ft, %]	End Location[ft, %]
36	KICKER1	PY	-.001	-.001	0	0
37	FACE3	PY	-.002	-.002	0	0
38	Face1	PY	-.004	-.004	0	0
39	FACE2	PY	-.004	-.004	0	0
40	Support12	PX	.002	.002	0	0
41	Support11	PX	.002	.002	0	0
42	Support10	PX	.002	.002	0	0
43	Support9	PX	.002	.002	0	0
44	Support8	PX	.002	.002	0	0
45	Support7	PX	.002	.002	0	0
46	Support6	PX	.002	.002	0	0
47	Support5	PX	.002	.002	0	0
48	Support4	PX	.002	.002	0	0
49	Support3	PX	.002	.002	0	0
50	Support2	PX	.002	.002	0	0
51	Support1	PX	.002	.002	0	0
52	Standoff3	PX	.003	.003	0	0
53	Standoff1	PX	.003	.003	0	0
54	STANDOFF2	PX	.003	.003	0	0
55	RAIL3	PX	.001	.001	0	0
56	RSUPPORT3	PX	.001	.001	0	0
57	RSUPPORT2	PX	.001	.001	0	0
58	RSUPPORT1	PX	.001	.001	0	0
59	Rail1	PX	.005	.005	0	0
60	RAIL2	PX	.005	.005	0	0
61	MP GAMMA4	PX	.003	.003	0	0
62	MP GAMMA3	PX	.003	.003	0	0
63	MP GAMMA2	PX	.003	.003	0	0
64	MP GAMMA1	PX	.003	.003	0	0
65	MP BETA4	PX	.003	.003	0	0
66	MP BETA3	PX	.003	.003	0	0
67	MP BETA2	PX	.003	.003	0	0
68	MP BETA1	PX	.003	.003	0	0
69	MP ALPHA4	PX	.003	.003	0	0
70	MP ALPHA3	PX	.003	.003	0	0
71	MP ALPHA2	PX	.003	.003	0	0
72	MP ALPHA1	PX	.003	.003	0	0
73	KICKER3	PX	.003	.003	0	0
74	KICKER2	PX	.003	.003	0	0
75	KICKER1	PX	.003	.003	0	0
76	FACE3	PX	.003	.003	0	0
77	Face1	PX	.006	.006	0	0
78	FACE2	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft,...	Start Location[ft, %]	End Location[ft, %]
1	Support12	PY	-.002	-.002	0	0
2	Support11	PY	-.002	-.002	0	0
3	Support10	PY	-.002	-.002	0	0
4	Support9	PY	-.002	-.002	0	0
5	Support8	PY	-.002	-.002	0	0
6	Support7	PY	-.002	-.002	0	0
7	Support6	PY	-.002	-.002	0	0
8	Support5	PY	-.002	-.002	0	0
9	Support4	PY	-.002	-.002	0	0
10	Support3	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
11	Support2	PY	-.002	-.002	0	0
12	Support1	PY	-.002	-.002	0	0
13	Standoff3	PY	-.003	-.003	0	0
14	Standoff1	PY	-.003	-.003	0	0
15	STANDOFF2	PY	-.003	-.003	0	0
16	Rail1	PY	-.001	-.001	0	0
17	RSUPPORT3	PY	-.001	-.001	0	0
18	RSUPPORT2	PY	-.001	-.001	0	0
19	RSUPPORT1	PY	-.001	-.001	0	0
20	RAIL3	PY	-.005	-.005	0	0
21	RAIL2	PY	-.005	-.005	0	0
22	MP GAMMA4	PY	-.003	-.003	0	0
23	MP GAMMA3	PY	-.003	-.003	0	0
24	MP GAMMA2	PY	-.003	-.003	0	0
25	MP GAMMA1	PY	-.003	-.003	0	0
26	MP BETA4	PY	-.003	-.003	0	0
27	MP BETA3	PY	-.003	-.003	0	0
28	MP BETA2	PY	-.003	-.003	0	0
29	MP BETA1	PY	-.003	-.003	0	0
30	MP ALPHA4	PY	-.003	-.003	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	KICKER3	PY	-.003	-.003	0	0
35	KICKER2	PY	-.003	-.003	0	0
36	KICKER1	PY	-.003	-.003	0	0
37	Face1	PY	-.003	-.003	0	0
38	FACE3	PY	-.006	-.006	0	0
39	FACE2	PY	-.006	-.006	0	0
40	Support12	PX	.001	.001	0	0
41	Support11	PX	.001	.001	0	0
42	Support10	PX	.001	.001	0	0
43	Support9	PX	.001	.001	0	0
44	Support8	PX	.001	.001	0	0
45	Support7	PX	.001	.001	0	0
46	Support6	PX	.001	.001	0	0
47	Support5	PX	.001	.001	0	0
48	Support4	PX	.001	.001	0	0
49	Support3	PX	.001	.001	0	0
50	Support2	PX	.001	.001	0	0
51	Support1	PX	.001	.001	0	0
52	Standoff3	PX	.002	.002	0	0
53	Standoff1	PX	.002	.002	0	0
54	STANDOFF2	PX	.002	.002	0	0
55	Rail1	PX	.000792	.000792	0	0
56	RSUPPORT3	PX	.000792	.000792	0	0
57	RSUPPORT2	PX	.000792	.000792	0	0
58	RSUPPORT1	PX	.000792	.000792	0	0
59	RAIL3	PX	.003	.003	0	0
60	RAIL2	PX	.003	.003	0	0
61	MP GAMMA4	PX	.002	.002	0	0
62	MP GAMMA3	PX	.002	.002	0	0
63	MP GAMMA2	PX	.002	.002	0	0
64	MP GAMMA1	PX	.002	.002	0	0
65	MP BETA4	PX	.002	.002	0	0
66	MP BETA3	PX	.002	.002	0	0
67	MP BETA2	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
68	MP BETA1	PX	.002	.002	0	0
69	MP ALPHA4	PX	.002	.002	0	0
70	MP ALPHA3	PX	.002	.002	0	0
71	MP ALPHA2	PX	.002	.002	0	0
72	MP ALPHA1	PX	.002	.002	0	0
73	KICKER3	PX	.001	.001	0	0
74	KICKER2	PX	.001	.001	0	0
75	KICKER1	PX	.001	.001	0	0
76	Face1	PX	.002	.002	0	0
77	FACE3	PX	.004	.004	0	0
78	FACE2	PX	.004	.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
1	Support4	Z	-.003	-.003	.122	.83
2	Support3	Z	-.005	-.005	.122	.83
3	Support2	Z	-.005	-.005	.122	.83
4	Support1	Z	-.003	-.003	.122	.83
5	Face1	Z	-.002	-.006	2.75	3.208
6	Face1	Z	-.006	-.008	3.208	3.667
7	Face1	Z	-.008	-.008	3.667	4.125
8	Face1	Z	-.008	-.008	4.125	4.583
9	Face1	Z	-.008	-.004	4.583	5.042
10	Face1	Z	-.004	-.002	5.042	5.5
11	Face1	Z	-.002	-.006	5.5	5.958
12	Face1	Z	-.006	-.008	5.958	6.417
13	Face1	Z	-.008	-.008	6.417	6.875
14	Face1	Z	-.008	-.008	6.875	7.333
15	Face1	Z	-.008	-.006	7.333	7.792
16	Face1	Z	-.006	-.004	7.792	8.25
17	Face1	Z	-.004	-.006	8.25	8.708
18	Face1	Z	-.006	-.008	8.708	9.167
19	Face1	Z	-.008	-.008	9.167	9.625
20	Face1	Z	-.008	-.008	9.625	10.083
21	Face1	Z	-.008	-.006	10.083	10.542
22	Face1	Z	-.006	-.002	10.542	11
23	32	Z	-.008	-.008	0	.25
24	Support8	Z	-.003	-.003	.123	.83
25	Support7	Z	-.005	-.005	.123	.83
26	Support6	Z	-.005	-.005	.122	.83
27	Support5	Z	-.003	-.003	.122	.83
28	FACE3	Z	-.002	-.006	2.75	3.208
29	FACE3	Z	-.006	-.008	3.208	3.667
30	FACE3	Z	-.008	-.008	3.667	4.125
31	FACE3	Z	-.008	-.008	4.125	4.583
32	FACE3	Z	-.008	-.004	4.583	5.042
33	FACE3	Z	-.004	-.002	5.042	5.5
34	FACE3	Z	-.002	-.006	5.5	5.958
35	FACE3	Z	-.006	-.008	5.958	6.417
36	FACE3	Z	-.008	-.008	6.417	6.875
37	FACE3	Z	-.008	-.008	6.875	7.333
38	FACE3	Z	-.008	-.006	7.333	7.792
39	FACE3	Z	-.006	-.004	7.792	8.25
40	FACE3	Z	-.004	-.006	8.25	8.708
41	FACE3	Z	-.006	-.008	8.708	9.167
42	FACE3	Z	-.008	-.008	9.167	9.625

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
43	FACE3	Z	-0.008	-0.008	9.625	10.083
44	FACE3	Z	-0.008	-0.006	10.083	10.542
45	FACE3	Z	-0.006	-0.002	10.542	11
46	38	Z	-0.008	-0.008	0	.25
47	Support12	Z	-0.003	-0.003	.122	.83
48	Support11	Z	-0.005	-0.005	.122	.83
49	Support10	Z	-0.005	-0.005	.122	.83
50	Support9	Z	-0.003	-0.003	.122	.83
51	FACE2	Z	-0.002	-0.006	2.75	3.208
52	FACE2	Z	-0.006	-0.008	3.208	3.667
53	FACE2	Z	-0.008	-0.008	3.667	4.125
54	FACE2	Z	-0.008	-0.008	4.125	4.583
55	FACE2	Z	-0.008	-0.004	4.583	5.042
56	FACE2	Z	-0.004	-0.002	5.042	5.5
57	FACE2	Z	-0.002	-0.006	5.5	5.958
58	FACE2	Z	-0.006	-0.008	5.958	6.417
59	FACE2	Z	-0.008	-0.008	6.417	6.875
60	FACE2	Z	-0.008	-0.008	6.875	7.333
61	FACE2	Z	-0.008	-0.006	7.333	7.792
62	FACE2	Z	-0.006	-0.004	7.792	8.25
63	FACE2	Z	-0.004	-0.006	8.25	8.708
64	FACE2	Z	-0.006	-0.008	8.708	9.167
65	FACE2	Z	-0.008	-0.008	9.167	9.625
66	FACE2	Z	-0.008	-0.008	9.625	10.083
67	FACE2	Z	-0.008	-0.006	10.083	10.542
68	FACE2	Z	-0.006	-0.002	10.542	11
69	44	Z	-0.008	-0.008	0	.25

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft, %]	End Location[ft, %]
1	Support4	Z	-0.007	-0.007	.122	.83
2	Support3	Z	-0.013	-0.013	.122	.83
3	Support2	Z	-0.013	-0.013	.122	.83
4	Support1	Z	-0.007	-0.007	.122	.83
5	Face1	Z	-0.005	-0.016	2.75	3.208
6	Face1	Z	-0.016	-0.021	3.208	3.667
7	Face1	Z	-0.021	-0.021	3.667	4.125
8	Face1	Z	-0.021	-0.021	4.125	4.583
9	Face1	Z	-0.021	-0.011	4.583	5.042
10	Face1	Z	-0.011	-0.005	5.042	5.5
11	Face1	Z	-0.005	-0.016	5.5	5.958
12	Face1	Z	-0.016	-0.021	5.958	6.417
13	Face1	Z	-0.021	-0.021	6.417	6.875
14	Face1	Z	-0.021	-0.021	6.875	7.333
15	Face1	Z	-0.021	-0.016	7.333	7.792
16	Face1	Z	-0.016	-0.011	7.792	8.25
17	Face1	Z	-0.011	-0.016	8.25	8.708
18	Face1	Z	-0.016	-0.021	8.708	9.167
19	Face1	Z	-0.021	-0.021	9.167	9.625
20	Face1	Z	-0.021	-0.021	9.625	10.083
21	Face1	Z	-0.021	-0.016	10.083	10.542
22	Face1	Z	-0.016	-0.005	10.542	11
23	32	Z	-0.019	-0.019	0	.25
24	Support8	Z	-0.007	-0.007	.123	.83
25	Support7	Z	-0.013	-0.013	.123	.83
26	Support6	Z	-0.013	-0.013	.122	.83

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

	Member Label	Direction	Start Magnitude[k/ft.F,ksf]	End Magnitude[k/ft....	Start Location[ft.%]	End Location[ft.%]
27	Support5	Z	-.007	-.007	.122	.83
28	FACE3	Z	-.005	-.016	2.75	3.208
29	FACE3	Z	-.016	-.021	3.208	3.667
30	FACE3	Z	-.021	-.021	3.667	4.125
31	FACE3	Z	-.021	-.021	4.125	4.583
32	FACE3	Z	-.021	-.011	4.583	5.042
33	FACE3	Z	-.011	-.005	5.042	5.5
34	FACE3	Z	-.005	-.016	5.5	5.958
35	FACE3	Z	-.016	-.021	5.958	6.417
36	FACE3	Z	-.021	-.021	6.417	6.875
37	FACE3	Z	-.021	-.021	6.875	7.333
38	FACE3	Z	-.021	-.016	7.333	7.792
39	FACE3	Z	-.016	-.011	7.792	8.25
40	FACE3	Z	-.011	-.016	8.25	8.708
41	FACE3	Z	-.016	-.021	8.708	9.167
42	FACE3	Z	-.021	-.021	9.167	9.625
43	FACE3	Z	-.021	-.021	9.625	10.083
44	FACE3	Z	-.021	-.016	10.083	10.542
45	FACE3	Z	-.016	-.005	10.542	11
46	38	Z	-.019	-.019	0	.25
47	Support12	Z	-.007	-.007	.122	.83
48	Support11	Z	-.013	-.013	.122	.83
49	Support10	Z	-.013	-.013	.122	.83
50	Support9	Z	-.007	-.007	.122	.83
51	FACE2	Z	-.005	-.016	2.75	3.208
52	FACE2	Z	-.016	-.021	3.208	3.667
53	FACE2	Z	-.021	-.021	3.667	4.125
54	FACE2	Z	-.021	-.021	4.125	4.583
55	FACE2	Z	-.021	-.011	4.583	5.042
56	FACE2	Z	-.011	-.005	5.042	5.5
57	FACE2	Z	-.005	-.016	5.5	5.958
58	FACE2	Z	-.016	-.021	5.958	6.417
59	FACE2	Z	-.021	-.021	6.417	6.875
60	FACE2	Z	-.021	-.021	6.875	7.333
61	FACE2	Z	-.021	-.016	7.333	7.792
62	FACE2	Z	-.016	-.011	7.792	8.25
63	FACE2	Z	-.011	-.016	8.25	8.708
64	FACE2	Z	-.016	-.021	8.708	9.167
65	FACE2	Z	-.021	-.021	9.167	9.625
66	FACE2	Z	-.021	-.021	9.625	10.083
67	FACE2	Z	-.021	-.016	10.083	10.542
68	FACE2	Z	-.016	-.005	10.542	11
69	44	Z	-.019	-.019	0	.25

Envelope Joint Reactions

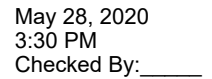
	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N9	max	6.337	9	3.701	8	-.197	26	.763	18	-.146	23	1.708	17
2		min	-2.282	26	-1.387	26	-1.314	9	-.116	32	-1.293	6	-1.752	35
3	N12	max	2.278	14	3.692	33	-.201	14	.838	27	1.263	36	1.771	5
4		min	-6.383	33	-1.369	14	-1.324	33	-.097	8	.153	17	-1.772	23
5	N6	max	.741	11	2.699	2	-.188	2	-.244	2	.418	11	2.187	29
6		min	-.726	29	-7.208	20	-1.285	21	-1.427	21	-.359	29	-2.211	11
7	N130A	max	.061	11	8.934	21	5.663	21	1.416	21	.217	11	.383	29
8		min	-.077	29	1.997	2	1.267	2	.317	2	-.229	29	-.36	11
9	N135	max	-1.764	26	-1.038	26	5.761	9	-.096	29	1.242	6	.254	17

Envelope Joint Reactions (Continued)

Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
10		min	9	-4.545	9	1.297	26	-.729	9	.291	23	-.245	35
11	N140	max	33	-1.044	14	5.81	33	-.099	11	-.296	17	.275	5
12		min	14	-4.569	33	1.308	14	-.748	30	-1.248	33	-.242	23
13	Totals:	max	11	6.371	2	12.854	33						
14		min	29	-6.56	20	4.898	17						

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					57	39	
3	Dead Load	DL			-1.1		57		3
4	Wind Load (30)	DL					114	78	
5	Wind Load (60)	DL					114	78	
6	Wind Load (90)	DL					57	39	
7	Wind Load (120)	DL					114	78	
8	Wind Load (150)	DL					114	78	
9	Wind Load (180)	DL					57	39	
10	Wind Load (210)	DL					114	78	
11	Wind Load (240)	DL					114	78	
12	Wind Load (270)	DL					57	39	
13	Wind Load (300)	DL					114	78	
14	Wind Load (330)	DL					114	78	
15	Maintenance (0)	DL					57	39	
16	Maintenance (30)	DL					114	78	
17	Maintenance (60)	DL					114	78	
18	Maintenance (90)	DL					57	39	
19	Maintenance (120)	DL					114	78	
20	Maintenance (150)	DL					114	78	
21	Maintenance (180)	DL					57	39	
22	Maintenance (210)	DL					114	78	
23	Maintenance (240)	DL					114	78	
24	Maintenance (270)	DL					57	39	
25	Maintenance (300)	DL					114	78	
26	Maintenance (330)	DL					114	78	
27	Ice Dead Load	DL					57	39	3
28	Ice Wind Load (0)	DL					57	39	
29	Ice Wind Load (30)	DL					114	78	
30	Ice Wind Load (60)	DL					114	78	
31	Ice Wind Load (90)	DL					57	39	
32	Ice Wind Load (120)	DL					114	78	
33	Ice Wind Load (150)	DL					114	78	
34	Ice Wind Load (180)	DL					57	39	
35	Ice Wind Load (210)	DL					114	78	
36	Ice Wind Load (240)	DL					114	78	
37	Ice Wind Load (270)	DL					57	39	
38	Ice Wind Load (300)	DL					114	78	
39	Ice Wind Load (330)	DL					114	78	
40	Earthquake (x-directi...	DL	-.106				57		
41	Earthquake (y-directi...	DL		-.106			57		
42	Earthquake (z-directi...	DL			-.042		57		
43	BLC 3 Transient Are...	None						69	
44	BLC 27 Transient Ar...	None						69	

[illegible]

	Member	Shape	Code	Check	Lo...	LC	She...	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	...	Eqn
1	Standoff3	HSS4X4X4		.486	7	6	.123	3.833	z	27	106....	139....	16.1....	16.1....	1	H1-...
2	STANDOFF2	HSS4X4X4		.480	7	18	.119	3.833	z	3	106....	139....	16.1....	16.1....		H1-...
3	Standoff1	HSS4X4X4		.478	7	30	.119	3.833	z	15	106....	139....	16.1....	16.1....	1	H1-...
4	MP GAMMA3	PIPE 2.0		.430	3	2	.120	3		35	14.9...	32.13	1.872	1.872		H1-...
5	MP BETA3	PIPE 2.0		.423	3	26	.117	3		23	14.9...	32.13	1.872	1.872		H1-...
6	MP BETA4	PIPE 2.0		.411	3	26	.061	3		17	14.9...	32.13	1.872	1.872		H1-...
7	MP ALPHA3	PIPE 2.0		.409	3	14	.116	3		11	14.9...	32.13	1.872	1.872		H1-...
8	MP GAMMA4	PIPE 2.0		.405	3	2	.063	3		29	14.9...	32.13	1.872	1.872		H1-...
9	MP BETA2	PIPE 2.0		.403	3	2	.065	3		5	14.9...	32.13	1.872	1.872		H1-...
10	MP ALPHA4	PIPE 2.0		.403	3	14	.061	3		5	14.9...	32.13	1.872	1.872		H1-...

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

Member	Shape	Code Check	Lo...	LC	She...	Loc[ft]	Dir	LC	phi*...	phi*...	phi*...	phi*...	Eqn
11	MP GAMMA2	PIPE 2.0	.397	3	14	.063	3	17	14.9...	32.13	1.872	1.872	H1-...
12	MP ALPHA2	PIPE 2.0	.397	3	26	.065	3	29	14.9...	32.13	1.872	1.872	H1-...
13	MP GAMMA1	PIPE 2.0	.316	3	14	.042	3	14	14.9...	32.13	1.872	1.872	2 H1-...
14	MP ALPHA1	PIPE 2.0	.315	3	23	.040	3	35	14.9...	32.13	1.872	1.872	H1-...
15	MP BETA1	PIPE 2.0	.313	3	2	.042	3	8	14.9...	32.13	1.872	1.872	H1-...
16	FACE3	HSS4X4X4	.311	0	9	.080	0	z 27	63.8...	139....	16.1...	16.1...	H1-...
17	Face1	HSS4X4X4	.307	0	21	.078	0	z 3	63.8...	139....	16.1...	16.1...	H1-...
18	FACE2	HSS4X4X4	.305	0	33	.078	0	z 15	63.8...	139....	16.1...	16.1...	H1-...
19	KICKER2	LL2.5x2.5x3x3	.263	2....	9	.005	4.231	z 29	44.59	58.32	3.954	2.55	H1-...
20	KICKER1	LL2.5x2.5x3x3	.263	1.41	30	.007	4.231	z 29	44.59	58.32	3.954	2.55	H1-...
21	KICKER3	LL2.5x2.5x3x3	.260	2....	15	.005	0	z 29	44.59	58.32	3.954	2.55	H1-...
22	RAIL3	PIPE 2.0	.223	9....	17	.111	9.375	17	6.295	32.13	1.872	1.872	H1-...
23	RAIL2	PIPE 2.0	.218	9....	5	.108	9.375	5	6.295	32.13	1.872	1.872	H1-...
24	Rail1	PIPE 2.0	.217	9....	29	.111	9.375	29	6.295	32.13	1.872	1.872	H1-...
25	Support3	L2x2x4	.018	0	30	.003	0	z 36	29.5...	30.5...	.691	1.577	H2-1
26	Support2	L2x2x4	.018	0	30	.003	0	z 36	29.5...	30.5...	.691	1.577	H2-1
27	Support10	L2x2x4	.017	0	3	.003	0	z 3	29.5...	30.5...	.691	1.577	H2-1
28	Support11	L2x2x4	.017	0	3	.003	0	z 36	29.5...	30.5...	.691	1.577	H2-1
29	Support7	L2x2x4	.017	0	21	.003	0	z 3	29.5...	30.5...	.691	1.577	H2-1
30	Support6	L2x2x4	.017	0	21	.003	0	z 3	29.5...	30.5...	.691	1.577	H2-1
31	RSUPPORT2	PIPE 2.0	.015	1....	33	.104	3.71	5	27.2...	32.13	1.872	1.872	H1-...
32	RSUPPORT3	PIPE 2.0	.015	1....	9	.105	0	17	27.2...	32.13	1.872	1.872	H1-...
33	RSUPPORT1	PIPE 2.0	.014	1....	21	.103	0	29	27.2...	32.13	1.872	1.872	H1-...
34	Support4	L2x2x4	.013	0	30	.002	0	z 36	29.5...	30.5...	.691	1.577	H2-1
35	Support1	L2x2x4	.013	0	30	.002	0	z 36	29.5...	30.5...	.691	1.577	H2-1
36	Support9	L2x2x4	.013	0	3	.002	0	z 3	29.5...	30.5...	.691	1.577	H2-1
37	Support8	L2x2x4	.013	0	21	.002	0	z 36	29.5...	30.5...	.691	1.577	H2-1
38	Support12	L2x2x4	.013	0	3	.002	0	z 30	29.5...	30.5...	.691	1.577	H2-1
39	Support5	L2x2x4	.013	0	21	.002	0	z 36	29.5...	30.5...	.691	1.577	H2-1

APPENDIX D

Additional Calculations



POD Job # 20-64618
Site Number 857012
Site Name Plainville South Washington St

Calculations Based on TIA-222-H

Reactions from RISA-3D

Moment 2.211 ft-kip
 Axial 0.726 kips
 Shear 7.208 kips

Bolt Information

Grade A325
 Threads in Shear Plane Included
 Diameter 0.75 in.
 Bolt Spacing 7 in.
 Number of Rods 4

Flange Plate Information

Width 10 in.
 Thickness 0.5 in.
 Grade A36

Standoff Information

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

Bolt Calculations

ϕ 0.75
 A_{nt} 0.334 in²
 A_b 0.442 in²
 F_u 120 ksi
 ϕR_{nv} 19.88 kips
 ϕR_{nt} 30.10 kips
 V 1.80 kips
 F 2.07 kips
 Capacity 1.3%

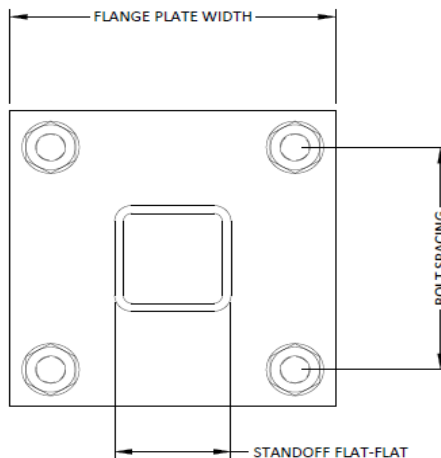
Flange Plate Calculations

ϕ 0.9
 F_y 36 ksi
 t_{min} 0.16 in
 Z 0.6 in³
 ϕM_n 20.3 in-kip
 M_u 6.2 in-kip
 Capacity 30.7%

Ver 1.0 - 3/5/2019

Capacities

Bolts	1.3%
Flange Plate	30.7%



APPENDIX E

Wind Speed Documentation

Search Information

Coordinates: 41.653064, -72.876917
Elevation: 185 ft
Timestamp: 2020-05-28T13:48:17.660Z
Hazard Type: Wind



ASCE 7-16

MRI 10-Year 75 mph
MRI 25-Year 83 mph
MRI 50-Year 89 mph
MRI 100-Year 96 mph
Risk Category I 107 mph
Risk Category II 117 mph
Risk Category III 126 mph
Risk Category IV  130 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 76 mph
MRI 25-Year 86 mph
MRI 50-Year 92 mph
MRI 100-Year 98 mph
Risk Category I 111 mph
Risk Category II 121 mph
Risk Category III-IV  130 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 100 mph

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 boundaries, the resulting determination is sensitive to rounding which may affect whether or not it is considered to be within a wind-borne debris region.

Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.

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Exhibit F

Power Density/RF Emissions Report

Fullerton Engineering Consultants, LLC.

RF Engineering & Consultant Services

Radio Frequency Emissions Analysis Report

AT&T Existing Facility

Site ID: CTL01029

Project Type: AT&T LTE 5C

Plainville_South Washington Street
335 South Washington Street
Plainville, CT 06062

July 13, 2020

Fullerton Project Number: 2020.0182.0013

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general population allowable limit:	16.46 %

Fullerton Engineering Consultants, LLC.

RF Engineering & Consultant Services

July 13, 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: **CTL01029 – Plainville_South Washington Street**

Fullerton Engineering Consultants, LLC (“Fullerton”) was directed to analyze the proposed upgrades to the AT&T facility located at **335 South Washington Street, Plainville, 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 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The number of $\mu\text{W}/\text{cm}^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

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

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

Population exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The general population exposure limits for the 700 MHz & 850 MHz bands are approximately $467 \mu\text{W}/\text{cm}^2$ and $567 \mu\text{W}/\text{cm}^2$ respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS) and 2300 MHz (WCS) bands is $1000 \mu\text{W}/\text{cm}^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

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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.

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CALCULATIONS

Calculations were performed for the proposed upgrades to the AT&T antenna facility located at **335 South Washington Street, Plainville, 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 12)	2	30
LTE / 5G NR	850 MHz	4	40
LTE	2100 MHz (AWS)	4	60
LTE	700 MHz (Band 14)	4	40
LTE	700 MHz (Band 29)	2	40
LTE	1900 MHz (PCS)	4	40
LTE	2300 MHz (WCS)	4	25

Table 1: Channel Data Table

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The following antennas listed in *Table 2* were used in the modeling for transmission in the 700 MHz, 850 MHz, 1900 MHz (PCS), 2100 MHz (AWS) and 2300 MHz (WCS) 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	Powerwave 7770	121
A	2	CCI HPA-65R-BUU-H6	121
A	3	Kathrein 800-10965	121
A	4	Quintel QS66512-2	121
B	1	Powerwave 7770	121
B	2	CCI HPA-65R-BUU-H6	121
B	3	Kathrein 800-10965	121
B	4	Quintel QS66512-2	121
C	1	Powerwave 7770	121
C	2	CCI HPA-65R-BUU-H6	121
C	3	Kathrein 800-10965	121
C	4	Quintel QS66512-2	121

Table 2: Antenna Data

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

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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 **0.92 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. For each **2100 MHz (AWS)** Remote Radio Unit (RRU) there was **0.34 dB** of cable loss calculated into the system gains / losses for this site. For each **2300 MHz (WCS)** Remote Radio Unit (RRU) there was **0.35 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 **150 feet** of **1-5/8"** for all ground mounted radios.

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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	Powerwave 7770	850 MHz	11.4	1	20	223.37	0.11
Antenna A2	CCI HPA-65R-BUU-H6	700 MHz (Band 12)	12.45	2	80	1,349.24	0.79
Antenna A3	Kathrein 800-10965	850 MHz / 2100 MHz (AWS) / 700 MHz (Band 14)	13.45 / 15.95 / 12.65	12	560	14,941.20	5.63
Antenna A4	Quintel QS66512-2	700 MHz (Band 29) / 1900 MHz (PCS) / 2300 MHz (WCS)	10.85 / 13.85 / 14.85	10	340	7,358.61	2.29
Sector A Composite MPE%							8.82
Antenna B1	Powerwave 7770	850 MHz	11.4	1	20	223.37	0.11
Antenna B2	CCI HPA-65R-BUU-H6	700 MHz (Band 12)	12.45	2	80	1,349.24	0.79
Antenna B3	Kathrein 800-10965	850 MHz / 2100 MHz (AWS) / 700 MHz (Band 14)	13.45 / 15.95 / 12.65	12	560	14,941.20	5.63
Antenna B4	Quintel QS66512-2	700 MHz (Band 29) / 1900 MHz (PCS) / 2300 MHz (WCS)	10.85 / 13.85 / 14.85	10	340	7,358.61	2.29
Sector B Composite MPE%							8.82
Antenna C1	Powerwave 7770	850 MHz	11.4	1	20	223.37	0.11
Antenna C2	CCI HPA-65R-BUU-H6	700 MHz (Band 12)	12.45	2	80	1,349.24	0.79
Antenna C3	Kathrein 800-10965	850 MHz / 2100 MHz (AWS) / 700 MHz (Band 14)	13.45 / 15.95 / 12.65	12	560	14,941.20	5.63
Antenna C4	Quintel QS66512-2	700 MHz (Band 29) / 1900 MHz (PCS) / 2300 MHz (WCS)	10.85 / 13.85 / 14.85	10	340	7,358.61	2.29
Sector C Composite MPE%							8.82

Table 3: AT&T Emissions Levels

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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, all three sectors have the same configuration yielding the same results on all three sectors. *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 Per Sector Value	8.82 %
Verizon Wireless	4.84 %
T-Mobile	0.04 %
Clearwire	0.28 %
MetroPCS	2.48 %
Site Total MPE %:	16.46 %

Table 4: All Carrier MPE Contributions

AT&T Sector A Total:	8.82 %
AT&T Sector B Total:	8.82 %
AT&T Sector C Total:	8.82 %
Site Total:	16.46 %

Table 5: Site MPE Summary

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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, all three sectors have the same configuration yielding the same results on all three sectors.

AT&T _ Frequency Band / Technology Max Power Values (Per Sector)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density ($\mu\text{W}/\text{cm}^2$)	Frequency (MHz)	Allowable MPE ($\mu\text{W}/\text{cm}^2$)	Calculated % MPE
AT&T 850 MHz UMTS	1	223.37	121	0.61	850 MHz	567	0.11%
AT&T 700 MHz LTE (Band 12)	2	674.62	121	3.67	700 MHz	467	0.79%
AT&T 850 MHz LTE	4	845.40	121	9.19	850 MHz	567	1.62%
AT&T 2100 MHz (AWS) LTE	4	2,183.49	121	23.74	2100 MHz (AWS)	1000	2.37%
AT&T 700 MHz LTE (Band 14)	4	706.42	121	7.68	700 MHz	467	1.64%
AT&T 700 MHz LTE (Band 29)	2	466.72	121	2.54	700 MHz	467	0.54%
AT&T 1900 MHz (PCS) LTE	4	901.70	121	9.80	1900 MHz (PCS)	1000	0.98%
AT&T 2300 MHz (WCS) LTE	4	704.60	121	7.66	2300 MHz (WCS)	1000	0.77%
						Total:	8.82%

Table 6: AT&T Maximum Sector MPE Power Values

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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:	8.82 %
Sector B:	8.82 %
Sector C:	8.82 %
AT&T Maximum Total (per sector):	8.82 %
Site Total:	16.46 %
Site Compliance Status:	COMPLIANT

The anticipated composite MPE value for this site assuming all carriers present is **16.46 %** 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.



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