



November 14, 2019

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

RE: Notice of Exempt Modification for Verizon Wireless: 806454

Verizon Site ID: NG1915

117 Washington Ave, North Haven, CT 06473

Latitude: 41° -23' 46.93"/ Longitude: -72° -51' 27.67"

Dear Ms. Bachman:

Verizon currently maintains twelve (12) antennas at the 120-foot level of the existing 120-foot monopole tower at 117 Washington Ave, North Haven, CT 06473. The tower is owned by Crown Castle and the land is owned by Commercial Investment Group LLC. Verizon now intends to add three (3) new antennas. Verizon will also replace fifteen (15) remote radios with nine (9) new remote radios and add three (3) diplexers.

An email was sent to the Town Clerk of North Haven, CT on 11/11/19 to determine if any original approval documents exist. There has been no response received yet and a copy of the request is included in this package. A Crown Castle representative will visit the town hall on 11/15/19 to inquirer if original approval documents exist.

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.S.C.A. § 16-50j-73, a copy of this letter is being sent to the First Selectman, Mr. Michael J. Freda and the Building Official, Mr. Elio Floriano. Notice will also be sent to the property owner, Commercial Investment Group LLC. 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.

The Foundation for a Wireless World.

CrownCastle.com

Melanie A. Bachman November 11, 2019 Page 2

- 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, Verizon 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: Jeffrey Barbadora.

Sincerely

Jeffrey Barbadora Network Real Estate

Specialist

12 Gill Street, Suite 5800, Woburn, MA 01801

781-729-0053

Jeff.Barbadora@crowncastle.com

#### Attachments:

Tab 1: Exhibit-1: Compound plan and elevation depicting the planned changes

Tab 2: Exhibit-2: Structural Modification Report

Tab 3: Exhibit-3: General Power Density Table Report (RF Emissions Analysis Report)

First Selectman – Mr. Michael J. Freda Town of North Haven 18 Church Street North Haven, CT 06473 (203) 239-5321

Building Official-Mr. Elio Floriano Town of North Haven 18 Church Street North Haven, CT 06473 (203) 239-5321

Commercial Investment Group LLC Mr. Joseph Moruzzi 2911 Dixwell Avenue Hamden, CT 06518 (203) 230-1781

#### Barbadora, Jeff

From:

Barbadora, Jeff

Sent:

Monday, November 11, 2019 4:13 PM

To:

townclerk@northhaven-ct.gov

Subject:

117 Washington Av - Map 073 Lot 009

Good Afternoon,

I have an inquiry regarding original zoning documents for a cell tower and I am hoping you can provide more information.

We are applying for Connecticut Siting Council (CSC) approval to modify antennas on an existing cell tower and a requirement for the filing by the CSC is that we procure original zoning documents from the jurisdiction, if possible. However, if these documents are not available, please let me know.

The cell tower is located at 117 Washington Ave in North Haven, CT and according to lease documents this may have been approved around 1990/92 and the entity leasing the property would have been Metro Mobile CTS of New Haven, Inc. Owner of the property at that time were Luciani Realty Partnership.

If you have any questions, please don't hesitate to call or e-mail me.

Thanks,

Jeffrey Barbadora 781-970-0053 12 Gill Street, Suite 5800, Woburn, MA 01801 CrownCastle.com

#### 117 WASHINGTON AVE

Location 117 WASHINGTON AVE

Mblu 073//009//

Acct# 201742

Owner COMMERCIAL INVESTMENT

**GROUP LLC** 

**Assessment** \$3,416,280

Appraisal \$4,880,400

**PID** 8732

**Building Count** 3

#### **Current Value**

	Appraisal		
Valuation Year	Improvements	Land	Total
2014	\$1,740,100	\$3,140,300	\$4,880,400
	Assessment		
Valuation Year	Improvements	Land	Total
2014	\$1,218,070	\$2,198,210	\$3,416,280

#### **Owner of Record**

Owner

COMMERCIAL INVESTMENT GROUP LLC

Sale Price

\$6,139,443

**Co-Owner** C/O JOSEPH MORUZZI

Certificate

**Address** 

P O BOX 185599 HAMDEN, CT 06518 Book & Page 952/916

Sale Date

03/30/2017

#### **Ownership History**

	Ownership History	у		
Owner	Sale Price	Certificate	Book & Page	Sale Date
COMMERCIAL INVESTMENT GROUP LLC	\$6,139,443		952/ 916	03/30/2017
NORTH HAVEN SHOPPING CENTER LLC	\$0		952/ 912	03/30/2017
NORTH HAVEN SHOPPING CENTER LLC	\$0		918/ 751	03/18/2015
LUCIANI REALTY LIMITED PARTNERSHIP	\$0		900/ 87	12/30/2013
LUCIANI REALTY LIMITED PARTNERSHIP	\$0	1	431/ 862	05/28/1992

#### **Building Information**

**Building 1: Section 1** 

Year Built:

1952

Living Area:

13,800

Replacement Cost:

\$872,105

**Building Percent** 

Good:

**Replacement Cost** 

Less Depreciation:

\$305,200

35

Less Depreciation:	\$305,200 suilding Attributes
Field	Description
STYLE	Shopping Cntr
MODEL	Comm/Ind
Grade	C -
Stories:	1
Occupancy	12
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	Control
Roof Structure	Gable/Hip
Roof Cover	Asphalt
Interior Wall 1	Drywall
	Diywaii
Interior Wall 2	
Interior Floor 1	Carpet
Interior Floor 2	Ceram Clay Til
Heating Fuel	Oil
Heating Type	Forced Air-Duc
AC Type	Central
Bldg Use	SHOPPING CENTER M94
Total Rooms	
Total Bedrms	
Total Baths	
1st Floor Use:	
Heat/AC	HEAT/AC PKGS
Frame Type	FIREPRF STEEL
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	12
% Comn Wall	

#### **Building 2: Section 1**

Year Built:

1962

Living Area:

41,446

Replacement Cost:

\$2,429,016

**Building Percent** 

40

Good:

Replacement Cost

Less Depreciation:

\$971,600

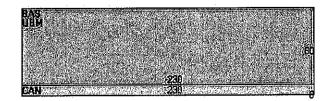
**Building Attributes: Bldg 2 of 3** 

#### **Building Photo**



(http://images.vgsi.com/photos/NorthHavenCTPhotos/\\00\01\98

#### **Building Layout**



	Building Sub-Areas (sq	ft)	<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	13,800	13,800
CAN	Canopy	1,840	0
UВM	Basement, Unfinished	13,800	0
		29,440	13,800

Field	Description
STYLE	Shopping Cntr
MODEL	Comm/Ind
Grade	c-
Stories:	1
Occupancy	6
Exterior Wall 1	Concr/Cinder
Exterior Wall 2	
Roof Structure	Flat
Roof Cover	T&G/Rubber
Interior Wall 1	Drywall
Interior Wall 2	
Interior Floor 1	Linoleum
Interior Floor 2	Carpet
Heating Fuel	Oil
Heating Type	Forced Air-Duc
AC Type	Central
Bldg Use	SHOPPING CENTER M94
Total Rooms	
Total Bedrms	
Total Baths	
1st Floor Use:	
Heat/AC	HEAT/AC PKGS
Frame Type	WOOD FRAME
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	16
% Comn Wall	

### **Building 3: Section 1**

Year Built:

2014

75

Living Area:

5,100

Replacement Cost: Building Percent

\$735,779

Good:

300a:

Replacement Cost

Less Depreciation: \$551,800

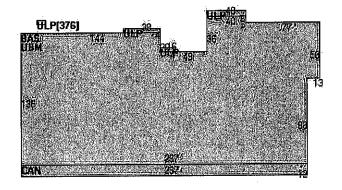
Building Attribu	tes : Bldg 3 of 3
Field	Description
STYLE	Branch Bank

### **Building Photo**



(http://images.vgsi.com/photos/NorthHavenCTPhotos/\\00\01\98

### **Building Layout**



	Building Sub-Areas (sq ft)	)	<u>Legend</u>
Code	Description	Gross Area	Living Area
BAS	First Floor	41,446	41,446
CAN	Canopy	3,564	0
UBM	Basement, Unfinished	41,446	0
ULP	Loading Platform, Unfinished	832	0
	Procedure and the Control of the Con	87,288	41,446

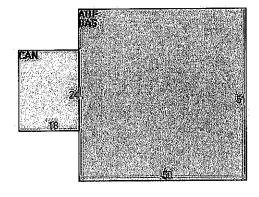
#### **Building Photo**

Building Photo

 $(http://images.vgsi.com/photos/NorthHavenCTPhotos//\00\02\18) \\$ 

MODEL	Comm/Ind
Grade	C +
Stories:	2
Occupancy	1
Exterior Wall 1	Clapboard
Exterior Wall 2	
Roof Structure	Gable/Hip
Roof Cover	Asphalt
Interior Wall 1	Drywall
Interior Wall 2	
Interior Floor 1	Carpet
Interior Floor 2	
Heating Fuel	Gas
Heating Type	Forced Air-Duc
AC Type	Central
Bldg Use	BANK BLDG
Total Rooms	
Total Bedrms	
Total Baths	
1st Floor Use:	
Heat/AC	HEAT/AC PKGS
Frame Type	WOOD FRAME
Baths/Plumbing	AVERAGE
Ceiling/Wall	SUS-CEIL & WL
Rooms/Prtns	AVERAGE
Wall Height	8
% Comn Wall	

#### **Building Layout**



	Building Sub-Areas	(sq ft)	<u>Legend</u>
Code	Description	Gross Area	Living Area
AOF	Office	2,550	2,550
BAS	First Floor	2,550	2,550
CAN	Canopy	432	0
		5,532	5,100

#### **Extra Features**

	Extra	a Features		<u>Legend</u>
Code	Description	Size	Value	Bldg #
CLR1	COOLER	98 S.F.	\$700	1.
OVHD	OVER HEADDOOR	400 S.F.	\$0	2
SPR1	SPRINKLERS-WET	29440 S.F.	\$9,300	1
ATM1	АТМ	1 UNITS	\$6,200	2
SPR1	SPRINKLERS-WET	82892 S.F.	\$29,800	2

#### Land

Land Use

Use Code

3230

Description

SHOPPING CENTER M94

Zone

IL30

PAVING-ASPHALT

Neighborhood 301

Alt Land Appr No

Category

Size (Acres)

Frontage

Depth

Assessed Value \$2,198,210

128300 S.F.

\$86,600

2

6.09

Appraised Value \$3,140,300

Outbuildings

PAV1

<u>Legend</u> Outbuildings Size Value Bldg # **Sub Description** Sub Code Code Description 1 128300 S.F. \$86,600 PAV1 PAVING-ASPHALT 2

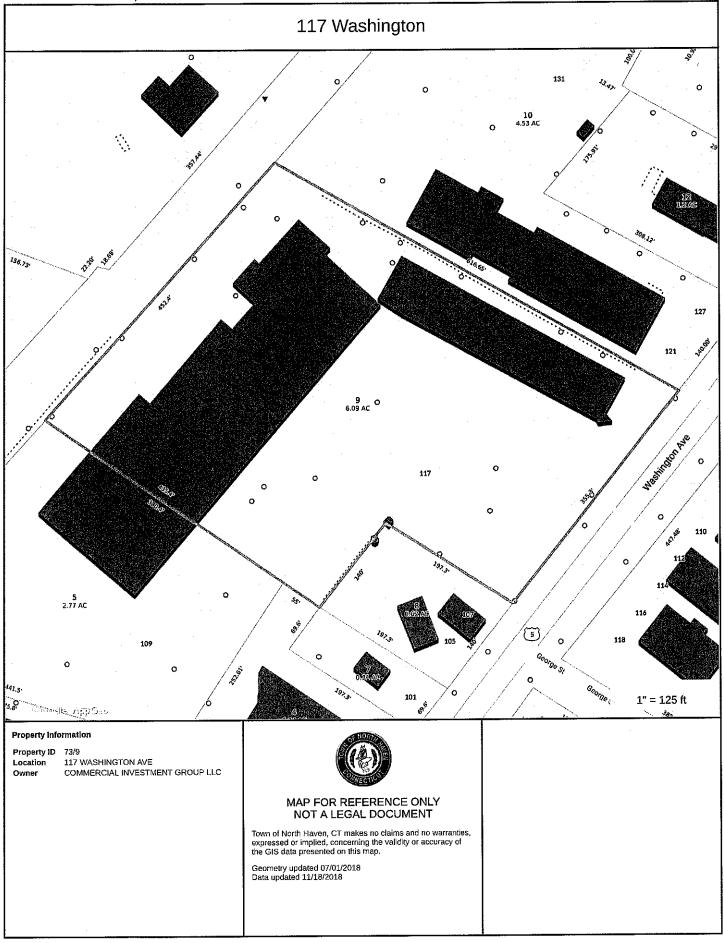
1 UNITS \$125,000 TWR1 COMMU-TOWER

**Valuation History** 

**Appraisal** Land Total **Improvements** Valuation Year \$5,125,000 \$2,080,000 \$3,045,000 2013 \$4,078,800 \$2,096,400 \$1,982,400 2008 \$2,750,160 \$1,364,160 2007

	Assessment		
Valuation Year	Improvements	Land	Total
2013	\$1,456,000	\$2,131,500	\$3,587,500
2008	\$1,467,480	\$1,387,680	\$2,855,160
2007		\$1,364,160	\$2,750,160

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Site Name: North Haven CT Cumulative Power Density

1						,		]
0.24%	1.0	0.0024	119	93.44	23	4	3550	VZW CBRS
15.17%	1.0	0.1517	119	5972.52	1493	4	2145	NZW AWS
15.49%	1.0	0.1549	119	6100.4	1525	4	1970	VZW PCS
6.30%	0.586666667	0.0369	119	1454.32	364	4	880	VZW Cellular
2.82%	0.579333333	0.0163	119	642.83	643	1	869	VZW Cellular
12.82%		0.0638	119	2511.04	628	4	746	VZW 700
(%)	(mW/cm^2)	(mW/cm^2)	(feet)	(watts)	(watts)		(MHz)	
Fraction of MPE	Maximum Permissible Exposure*	Calculated Power Density	Distance to Target	Total ERP	ERP Per	Number of Trans.	Operating Number	Operator

Total Percentage of Maximum Permissible Exposure

52.83%

MHz = Megahertz

mW/cm^2 = milliwatts per square centimeter

ERP = Effective Radiated Power

Absolute worst case maximum values used, including the following assumptions:

- 1. closest accessible point is distance from antenna to base of pole;
- 2. continuous transmission from all available channels at full power for indefinite time period; and,
- 3. all RF energy is assumed to be directed solely to the base of the pole.

<sup>\*</sup>Guidelines adopted by the FCC on August 1, 1996, 47 CFR Section 1.13101 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992

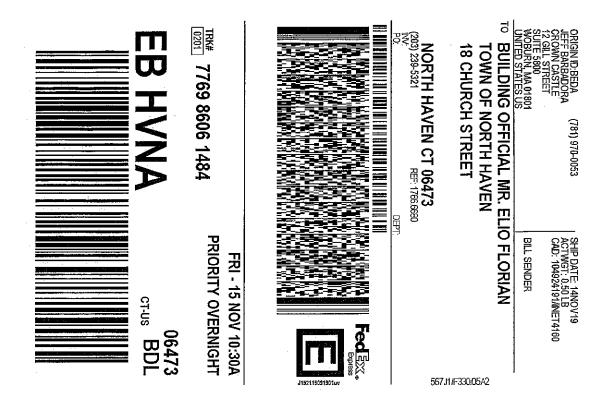


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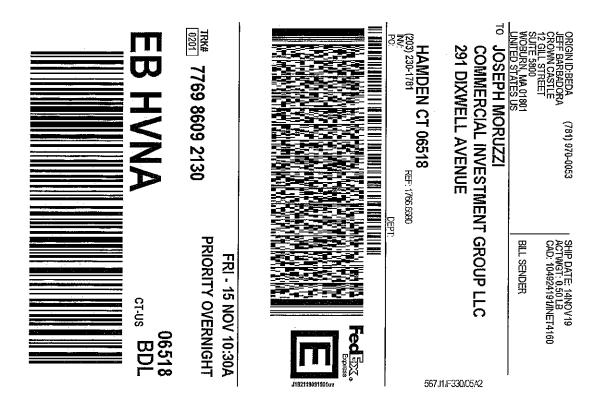
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Date: November 01, 2019

Amanda D Brown Crown Castle 3530 Toringdon Way Charlotte, NC 28277

Paul J. Ford and Company 250 E. Broad St., Ste 600 Columbus, OH 43215 614-221-6679

Subject:

Structural Analysis Report

Carrier Designation:

Verizon Wireless Co-Locate

Carrier Site Number:

NG1915

Carrier Site Name:

NO HAVEN CT

Crown Castle Designation:

Crown Castle BU Number:

806454

Crown Castle Site Name:

NHV 112 948129 592725

Crown Castle JDE Job Number: Crown Castle Work Order Number:

1802981

**Crown Castle Order Number:** 

506770 Rev. 0

Engineering Firm Designation:

Paul J. Ford and Company Project Number: 37519-3573.001.7805

Site Data:

117 WASHINGTON STREET, NORTH HAVEN, New Haven County, CT

Latitude 41° 23' 46.93", Longitude -72° 51' 27.67"

120 Foot - Monopole Tower

Dear Amanda D Brown,

Paul J. Ford and Company 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 - 51.4%

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

Respectfully submitted by:

Udaykiran Yerra Structural Designer uyerra@pauliford.com 9.11.01 24:06-04'00'

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tnxTower Output

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Base Level Drawing

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Additional Calculations

#### 1) INTRODUCTION

This tower is a 120 ft Monopole tower designed by VALMONT in March of 1990.

#### 2) ANALYSIS CRITERIA

TIA-222 Revision:

TIA-222-H

Risk Category:

11

Wind Speed:

125 mph

Exposure Category: Topographic Factor:

B 1

Ice Thickness:

1.5 in

Wind Speed with Ice:

50 mph

Service Wind Speed:

60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		3	commscope	CBC78T-DS-43-2X		
Constitution of the consti		6	commscope	JAHH-65B-R3B w/ Mount Pipe		
	117.0	3	commscope	SSPX310R w/ Mount Pipe		
		6	decibel	DB844G65ZAXY w/ Mount Pipe		
		2	rfs celwave	DB-T1-6Z-8AB-0Z		1 5/8
115.0		3	samsung telecommunications	20W CBRS	14	
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
	115.0	1	tower mounts	Platform Mount [LP 602- 1_KCKR]		

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)		
		3	alcatel lucent	1900MHz RRH (65MHz)				
107.0	107.0	3	alcatel lucent	800 EXTERNAL NOTCH FILTER		name, danaranamente		
107.0		3	alcatel lucent	800MHZ RRH				
		1	tower mounts	Side Arm Mount [SO 102- 3]				
		1	andrew	VHLP2-18				
	109.0	1	andrew	VHLP800-11				
		1	dragonwave	A-ANT-23G-2-C				
		3	alcatel lucent	TD-RRH8x20-25				
	106.0	106.0		9	rfs celwave	ACU-A20-N		
105.0			3	rfs celwave	APXVSPP18-C-A20 w/ Mount Pipe	4	Elliptical 5/16	
		3	rfs celwave	APXVTM14-C-120 w/ Mount Pipe	-			
		3	argus technologies	LLPX310R w/ Mount Pipe				
	105.0	3	samsung telecommunications	FDD_R6_RRH				
		1	tower mounts	Platform Mount [LP 602-1]				
90.0	90.0	3	rfs celwave	APXV18-206517S-C w/ Mount Pipe	6	1 5/8		
		1	tower mounts	Pipe Mount [PM 601-3]				

#### 3) ANALYSIS PROCEDURE

**Table 3 - Documents Provided** 

Document	Remarks	Reference	Source
4-GEOTECHNICAL REPORTS	FDH, 08-09040E G1, 9/12/2008	2294635	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	SAC, 10656-90, 4/3/1990	253930	CCISITES
4-TOWER MANUFACTURER DRAWINGS	Valmont, 3/27/1990	253972	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 in accordance with the manufacturer's specifications.
- 2) The tower and structures have been maintained in accordance with the manufacturer's specification.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
- 4) The existing base plate grout was not considered in this analysis. Heavy hex nuts were assumed to be installed under the base plate at each of the existing anchor rod locations. Should grout be removed in the future, the existence of these hex nuts should be verified prior to grout removal.

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

#### 4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No. Elevation (ft) Component Type		Size	Critical Element P (K)		SF*P_allow (K)	% Capacity	Pass / Fail	
L1	120 - 77.33	Pole	TP30.45x21.91x0.22	1	-10.35	1274.74	43.3	Pass
L2	77.33 - 34.33	Pole	TP38.61x29.0753x0.31	2	-17.52	2278.80	51.4	Pass
L3	34.33 - 0	Pole	TP44.85x36.8559x0.38	3	-27.73	3342.35	51.2	Pass
		i il					Summary	
*****************						Pole (L2)	51.4	Pass
						Rating =	51.4	Pass

Table 5 - Tower Component Stresses vs. Capacity - LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	50.5	Pass
1	Base Plate	0	26.1	Pass
1	Base Foundation Structural Steel	0	25.9	Pass
1	Base Foundation Soil Interaction	0	26.7	Pass

Structure Rating (max from all components) =	51.4%

#### Notes:

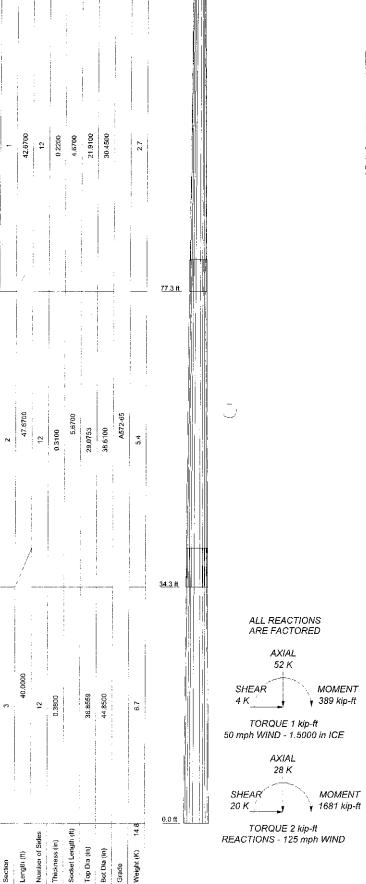
#### 4.1) Recommendations

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

All structural ratings are per TIA-222-H Section 15.5

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

# APPENDIX A TNXTOWER OUTPUT



120.0 ft

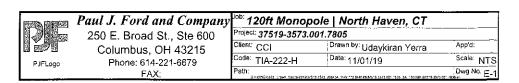
**MATERIAL STRENGTH** 

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

#### **TOWER DESIGN NOTES**

- Tower designed for Exposure B to the TIA-222-H Standard.
   Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
- Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
  Deflections are based upon a 60 mph wind.
  Tower Risk Category II.

- Topographic Category 1 with Crest Height of 0.0000 ft
   TOWER RATING: 51.4%



#### **Tower Input Data**

The tower is a monopole.

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

The following design criteria apply:

- 1) Tower base elevation above sea level: 33.0000 ft.
- 2) Basic wind speed of 125 mph.
- 3) Risk Category II.
- 4) Exposure Category B.
- 5) Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- 6) Topographic Category: 1.
- 7) Crest Height: 0.0000 ft.
- 8) Nominal ice thickness of 1.5000 in.
- 9) Ice thickness is considered to increase with height.
- 10) Ice density of 56.00 pcf.
- 11) A wind speed of 50 mph is used in combination with ice.
- 12) Temperature drop of 50 °F.
- 13) Deflections calculated using a wind speed of 60 mph.
- 14) A non-linear (P-delta) analysis was used.
- 15) Pressures are calculated at each section.
- 16) Stress ratio used in pole design is 1.05.
- 17) Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used:  $K_{es}(F_w) = 0.95$ ,  $K_{es}(t_i) = 0.85$ .
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

### **Options**

Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification Use Code Stress Ratios

√ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile

Include Bolts In Member Capacity

Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric Distribute Leg Loads As Uniform Assume Legs Pinned

- V Assume Rigid Index Plate
- V Use Clear Spans For Wind Area Use Clear Spans For KL/r Retension Guys To Initial Tension
- v Bypass Mast Stability Checks
- V Use Azimuth Dish Coefficients
- v Project Wind Area of Appurt.

Autocalc Torque Arm Areas

Add IBC .6D+W Combination Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs Use ASCE 10 X-Brace Ly Rules Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation

√ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption

Poles

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

### **Tapered Pole Section Geometry**

MODEL STREET, MANAGEMENT AND ADDRESS OF A STREET	COLD COLDEGE COLD COLD AND COLD COLD COLD COLD COLD COLD COLD COL	AN EITHER THE THE PARTY AND TH	2-01×,7078,2004*10,0007 <b>45</b> ,0784,0787.71218	programme and the contract of	or the contract of the party of	ordware treatment was written as successful.		истопия на верхительного в применения в применения в применения в применения в применения в применения в приме	a o chrometen menth et ferien, cell diversité de la 1800 de la
Section	Elevation	Section	Splice	Number	Тор	Bottom	Wall	Bend	Pole Grade
		Length	Length	of	Diameter	Diameter	Thickness	Radius	
	ft	ft	ft	Sides	in	In	in	ln	
L1	120.0000-	42.6700	4.67	12	21.9100	30.4500	0.2200	0.8800	A572-65
	77.3300								(65 ksi)
L2	77.3300-	47.6700	5.67	12	29.0753	38.6100	0.3100	1.2400	A572-65

Section	Elevation	Section	Splice	Number	Тор	Bottom	Wall	Bend	Pole Grade
		Length	Length	of	Diameter	Diameter	Thickness	Radius	
	ft	ft	ft	Sides	in	in	in	in	
	34.3300								(65 ksi)
L3	34.3300-	40.0000		12	36.8559	44.8500	0.3800	1.5200	A572-65
	0.0000								(65 ksi)

_		_	_	4 7
Iana	rad	שוחש	Pron	erties
Iave	l Cu	1 010	1 1 0 0	CI LICS

Section	Tip Dia.	Area	1	r	С	I/C	J	lt/Q	W	w/t
	in	in²	in⁴	in	in	in³	ín <sup>4</sup>	in²	in	
L1	22.6053	15.3652	922.6631	7.7650	11.3494	81.2963	1869.5656	7.5623	5.2823	24.01
	31.4466	21.4149	2497.9224	10.8223	15.7731	158.3660	5061.4680	10.5398	7.5710	34.414
L2	30.9587	28.7136	3032.5794	10.2980	15.0610	201.3528	6144.8281	14.1319	6.9614	22.456
	39.8627	38.2311	7158.1342	13.7114	20.0000	357.9071	14504.320 6	18.8162	9.5167	30.699
L3	39.1951	44.6319	7579.5645	13.0584	19.0914	397.0153	15358.252 6	21.9665	8.8590	23.313
	46.2981	54.4135	13734.941 3	15.9203	23.2323	591.2002	27830.714 7	26.7807	11.0014	28.951

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset GradeAdjust. Factor A <sub>f</sub>	Adjust. Factor A,	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Stitch Bolt Spacing	Double Angle Stitch Bolt Spacing Redundants
ft	ft <sup>2</sup>	ín				in	in	in
L1 120.0000-			1	1	1			
77.3300								
L2 77.3300-			1	1	1			
34.3300								
L3 34.3300-			1	1	1			
0.0000								managan da ann ann ann an an an an an an an an an

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

Description	Sector	Exclude	Componen	Placement	Total	Number	Start/En	Width or	Perimete	Weight
		From	t		Number	Per Row	d	Diamete	r	
		Torque	Туре	ft			Position	r		plf
		Calculation						in	in	
FXL-1480(1-1/4")	С	No	Surface Ar	105.0000 -	4	4	-0.342	1.5700		0.45
			(CaAa)	0.0000			-0.217			
ATCB-B01-001 (5/16")	С	No	Surface Ar	105.0000 -	2	2	0.442	0.3300		0.06
			(CaAa)	0.0000			0.467			
2" (Nominai) Conduit	С	No	Surface Ar	105.0000 -	2	2	0.400	2.3750		0.72
			(CaAa)	0.0000			0.442			
7983A(ELLIPTICAL)	С	No	Surface Ar	105.0000 -	4	2	0.467	0.5730		0.08
			(CaAa)	0.0000			0.500			
AVA7-50(1-5/8")	C	No	Surface Ar	90.0000 -	6	6	0.083	1.9800		0.72
			(CaAa)	0.0000			0.333			

# Feed Line/Linear Appurtenances - Entered As Area

Description	Face or	Allow Shield	Exclude From	Componen t	Placement	Total Number	0.000 Carronooraa. 17-002002557900	$C_AA_A$	Weight
	Leg		Torque Calculation	Type	ft			ft²/ft	plf
AVA7-50(1-5/8")	С	No	No	Inside Pole	115.0000 - 0.0000	14	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.72 0.72 0.72 0.72
ATCB-B01-001 (5/16")	C	No	No	Inside Pole	105.0000 - 0.0000	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.0000 0.0000 0.0000 0.0000	0.06 0.06 0.06 0.06

Feed Line/Linear App	urtenances	Section .	Areas
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Tower Sectio	Tower Elevation	Face	$A_R$	$A_F$	C₄A₄ In Face	C <sub>A</sub> A <sub>A</sub> Out Face	Weight
n	ft		ft²	ft <sup>2</sup>	ft²	ft²	·K
L1	120.0000-	Α	0.000	0.000	0.000	0.000	0.00
	77.3300	В	0.000	0.000	0.000	0.000	0.00
		С	0.000	0.000	50.569	0.000	0.54
L2	77.3300-34.3300	Α	0.000	0.000	0.000	0.000	0.00
		В	0.000	0.000	0.000	0.000	0.00
		С	0.000	0.000	106.279	0.000	0.78
L3	34.3300-0.0000	Α	0.000	0.000	0.000	0.000	0.00
		В	0.000	0.000	0.000	0.000	0.00
		С	0.000	0.000	84.850	0.000	0.62

# Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Sectio	Tower Elevation	Face or	lce Thickness	$A_R$	$A_F$	C₄A₄ In Face	C₄A₄ Out Face	Weight
n	ft	Leg	in	ft²	ft <sup>2</sup>	ft²	ft²	K
L1	120.0000-	А	1.421	0.000	0.000	0.000	0.000	0.00
	77.3300	В		0.000	0.000	0.000	0.000	0.00
		С		0.000	0.000	107.043	0.000	1.57
L2	77.3300-34.3300	Α	1.343	0.000	0.000	0.000	0.000	0.00
		В		0.000	0.000	0.000	0.000	0.00
		С		0.000	0.000	209.247	0.000	2.82
L3	34.3300-0.0000	Α	1.191	0.000	0.000	0.000	0.000	0.00
		В		0.000	0.000	0.000	0.000	0.00
		С		0.000	0.000	163.699	0.000	2.14

# **Feed Line Center of Pressure**

Section	Elevation	$CP_X$	CPz	CP <sub>X</sub>	CPz
				ice	Ice
	ft	in	in	in	in
L1	120.0000-77.3300	-1.2036	4.1533	-1.7101	3.9200
L2	77.3300-34.3300	-2.3242	6.8657	-2.6420	5.9609
L3	34.3300-0.0000	-2.5020	7.4000	-2.9422	6.6972

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

# **Shielding Factor Ka**

Tower	Feed Line	Description	Feed Line	Ka	Ka
Section	Record No.		Segment	No Ice	Ice
	L		Elev.		
L1	2	FXL-1480(1-1/4")	77.33 -	1.0000	1.0000
<b>I</b> .			105.00		
L1	3.	ATCB-B01-001 (5/16")	77.33 -	1.0000	1.0000
i		· ·	105.00		
L1	4	2" (Nominal) Conduit	77.33 -	1.0000	1.0000
			105.00		]

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Tower	Feed Line	Description	Feed Line	Ka	K <sub>a</sub>
Section	Record No.		Segment	No Ice	lce
			Elev.		
L1	5	7983A(ELLIPTICAL)	77.33 -	1.0000	1.0000
			105.00		
L.1	6	AVA7-50(1-5/8")	77.33 -	1.0000	1.0000
			90.00		
L2	2	FXL-1480(1-1/4")	34.33 -	1.0000	1.0000
			77.33		
L2	3	ATCB-B01-001 (5/16")	34.33 -	1.0000	1.0000
			77.33		
L2	4	2" (Nominal) Conduit	34.33 -	1.0000	1.0000
Ì			77.33		
L2	5	7983A(ELLIPTICAL)	34.33 -	1.0000	1.0000
			77.33		
L2	6	AVA7-50(1-5/8")	34.33 -	1.0000	1.0000
			77.33		

			Disc	rete Tov	wer Loa	ds			
Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustmen t	Placement	ercertinishivesis araba circiste	C <sub>A</sub> A <sub>A</sub> Front	C <sub>A</sub> A <sub>A</sub> Side	Weight
			ft ft ft	0	ft		ft²	ft²	K
*ievel 115* (2) DB844G65ZAXY w/ Mount Pipe	Α	From Leg	4.0000 0.00 2.00	0.00	115.0000	No Ice 1/2" Ice	4.5782 4.9555 5.3404	4.8023 5.4160 6.0401	0.03 0.08 0.13
(2) DB844G65ZAXY w/ Mount Pipe	В	From Leg	4.0000 0.00	0.00	115.0000	1" Ice 2" Ice No Ice 1/2"	6.1369 4.5782 4.9555	7.3370 4.8023 5.4160	0.26 0.03 0.08
·			2.00			ice 1" ice 2" ice	5.3404 6.1369	6.0401 7.3370	0.13 0.26
(2) DB844G65ZAXY w/ Mount Pipe	С	From Leg	4,0000 0.00 2.00	0.00	115.0000	No Ice 1/2" Ice 1" Ice 2" Ice	4.5782 4.9555 5.3404 6.1369	4.8023 5.4160 6.0401 7.3370	0.03 0.08 0.13 0.26
(2) DB-T1-6Z-8AB-0Z	А	From Leg	4.0000 0.00 2.00	0.00	115.0000	No Ice 1/2" Ice 1" Ice	4,8000 5.0704 5,3481 5.9259	2.0000 2.1926 2.3926 2.8148	0.04 0.08 0.12 0.21
(2) JAHH-65B-R3B w/ Mount Pipe	Α	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	5.5000 5.9700 6.4500 7.4400	4.3800 4.8400 5.3000 6.2600	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	В	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	5.5000 5.9700 6.4500 7.4400	4.3800 4.8400 5.3000 6.2600	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	С	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	5.5000 5.9700 6.4500 7.4400	4.3800 4.8400 5.3000 6.2600	0.10 0.17 0.25 0.46
Platform Mount [LP 602- 1_KCKR]	С	None		0.00	115.0000	No Ice 1/2"	42.3000 49.0400	42.3000 49.0400	1.62 2.38

Description	Face	Offset	Offsets:	Azimuth	Placement	70 <b>14 11 7 1</b> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$C_A A_A$	$C_A A_A$	Weight
Безаприон	or Leg	Type	Horz Lateral Vert	Adjustmen t	riacement		Front	Side	vveign
			ft ft ft	٥	ft		ft²	ft²	K,
						Ice 1" Ice 2" Ice	55.8700 69.8500	55.8700 69.8500	3.27 5.40
SSPX310R w/ Mount Pipe	Α	From Leg	4.0000 0.00 2.00	0.00	115.0000	No ice 1/2" Ice 1" Ice	3.1052 3.4002 3.7053 4.3456	1.9793 2.3801 2.7972 3.6801	0.03 0.06 0.09 0.17
SSPX310R w/ Mount Pipe	В	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	3.1052 3.4002 3.7053 4.3456	1.9793 2.3801 2.7972 3.6801	0.03 0.06 0.09 0.17
SSPX310R w/ Mount Pipe	С	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	3.1052 3.4002 3.7053 4.3456	1.9793 2.3801 2.7972 3.6801	0.03 0.06 0.09 0.17
CBC78T-DS-43-2X	Α	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	0.3680 0.4456 0.5306 0.7228	0.5120 0.6046 0.7046 0.9268	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	В	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	0.3680 0.4456 0.5306 0.7228	0.5120 0.6046 0.7046 0.9268	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	С	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	0.3680 0.4456 0.5306 0.7228	0.5120 0.6046 0.7046 0.9268	0.02 0.03 0.04 0.06
RFV01U-D1A	Α	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231 2.6009	1.2500 1.3926 1.5426 1.8648	0.08 0.10 0.12 0.18
RFV01U-D1A	В	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231 2.6009	1.2500 1.3926 1.5426 1.8648	0.08 0.10 0.12 0.18
RFV01U-D1A	С	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231 2.6009	1.2500 1.3926 1.5426 1.8648	0.08 0.10 0.12 0.18
RFV01U-D2A	Α	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15
RFV01U-D2A	В	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15
RFV01U-D2A	С	From Leg	4.0000 0.00 2.00	0.00	115.0000	2" Ice No Ice 1/2" Ice 1" Ice	1.8750 2.0454 2.2231 2.6009	1.0125 1.1445 1.2840 1.5851	0.07 0.09 0.11 0.15
20W CBRS	Α	From Leg	4.0000 0.00	0.00	115.0000	2" Ice No ice 1/2"	0.8571 0.9752	0.4203 0.5105	0.02 0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustmen t	Placement	Antonia de la companya de la company	C₄A₄ Front	C <sub>A</sub> A <sub>A</sub> Side	Weight
			ft ft ft	a	ft		ft²	ft²	K
			2.00			Ice 1" Ice	1.1008 1.3741	0.6082 0.8327	0.03 0.06
20W CBRS	В	From Leg	4.0000	0.00	115,0000	2" ice No Ice	0.8571	0.4203	0.02
2011 00110		. Tom Log	0.00	0.00	110.0000	1/2"	0.9752	0.5105	0.03
			2.00			lce	1.1008 1.3741	0.6082	0.03
						1" Ice 2" Ice	1.3741	0.8327	0.06
20W CBRS	С	From Leg	4.0000	0.00	115.0000	No Ice	0.8571	0.4203	0.02
			0.00 2.00			1/2" Ice	0.9752 1.1008	0.5105 0.6082	0.03 0.03
			2.00			1" Ice 2" Ice	1.3741	0.8327	0.06
*level 107* 800MHZ RRH	Α	From Leg	4.0000	0.00	107.0000	No tce	2.1342	1.7730	0.05
			0.00	****		1/2"	2.3195	1.9461	0.07
			0.00			Ice	2.5123	2.1267	0.10
						1" Ice 2" Ice	2.9201	2.5100	0.16
800MHZ RRH	В	From Leg	4.0000	0.00	107.0000	No Ice	2.1342	1.7730	0.05
			0.00			1/2"	2.3195 2.5123	1.9461	0.07 0.10
			0.00			lce 1" lce 2" lce	2.9201	2.1267 2.5100	0.16
800MHZ RRH	С	From Leg	4.0000	0.00	107.0000	No Ice	2.1342	1.7730	0.05
		_	0.00			1/2"	2.3195	1.9461	0.07
			0.00			lce 1" lce	2.5123 2.9201	2.1267 2.5100	0,10 0.16
						2" Ice	2.3201	2.5100	0.10
800 EXTERNAL NOTCH	Α	From Leg	4.0000	0.00	107.0000	No Ice	0.6601	0.3211	0.01
FILTER			0.00 0.00			1/2" Ice	0.7627 0.8727	0.3983 0.4830	0.02 0.02
			0.00			1" Ice 2" Ice	1.1149	0.6744	0.04
800 EXTERNAL NOTCH	В	From Leg	4.0000	0.00	107.0000	No Ice	0.6601	0.3211	0.01
FILTER			0.00 0.00			1/2" lce	0.7627 0.8727	0.3983 0.4830	0.02 0.02
			0.00			1" Ice 2" Ice	1.1149	0.6744	0.04
800 EXTERNAL NOTCH	С	From Leg	4.0000	0.00	107.0000	No Ice	0.6601	0.3211	0.01
FILTER			0,00 0.00			1/2" Ice	0.7627 0.8727	0.3983 0.4830	0.02 0.02
			0.00			1" (ce	1.1149	0.6744	0.04
4000MUL DELL (CEMUL)	Δ.	F	4.0000	0.00	107 0000	2" Ice	0.0040	0.0000	0.06
1900MHz RRH (65MHz)	Α	From Leg	4.0000 0.00	0.00	107.0000	No Ice 1/2"	2.3218 2.5266	2.2360 2.4385	0.06 0.08
			0.00			lce	2.7388	2.6485	0.11
						1" Ice 2" Ice	3.1855	3.0906	0.17
1900MHz RRH (65MHz)	В	From Leg	4.0000	0.00	107.0000	No Ice	2.3218	2.2360	0.06
			0.00 0.00			1/2" Ice	2.5266 2.7388	2.4385 2.6485	0.08 0.11
			0.00			1" Ice 2" Ice	3.1855	3.0906	0.17
1900MHz RRH (65MHz)	С	From Leg	4.0000	0.00	107.0000	No Ice	2.3218	2.2360	0.06
			0.00 0.00			1/2" Ice	2.5266 2.7388	2.4385 2.6485	0.08 0.11
			0.00			1" Ice	3.1855	3.0906	0.17
						2" Ice			
Side Arm Mount [SO 102-	С	None		0.00	107.0000	No Ice	3.6000	3.6000 4.1800	0.07 0.11
3]						1/2" Ice	4.1800 4.7500	4.1800 4.7500	0.11
						1" Ice	5.9000	5.9000	0.20
*loval 105*						2" Ice			

Description	Face or	Offset Type	Offsets: Horz	Azimuth Adjustmen	Placement	ger promotern general en April Land (195	C <sub>A</sub> A <sub>A</sub> Front	C <sub>A</sub> A <sub>A</sub> Side	Weight
	Leg		Lateral Vert	t					
			ft ft ft	٥	ft		ft²	ft²	K
APXVSPP18-C-A20 w/	Α	From Leg	4.0000	0.00	105.0000	No Ice	4.6000	4.0100	0.10
Mount Pipe		_	0.00			1/2"	5.0500	4.4500	0.16
			1.00			lce	5.5000	4.8900	0.23
						1" lce 2" lce	6.4400	5.8200	0.42
APXVSPP18-C-A20 w/	В	From Leg	4.0000	0.00	105.0000	No Ice	4.6000	4.0100	0.10
Mount Pipe			0.00			1/2"	5.0500	4.4500	0.16
			1.00			lc <del>e</del>	5.5000	4.8900	0.23
	_					1" Ice 2" Ice	6.4400	5.8200	0.42
APXVSPP18-C-A20 w/	С	From Leg	4.0000	0.00	105.0000	No Ice 1/2"	4.6000	4.0100	0.10
Mount Pipe			0.00 1.00			lce	5.0500 5.5000	4.4500 4.8900	0.16 0.23
			1.00			1" Ice	6.4400	5.8200	0.42
						2" Ice	311100	0,0200	0112
(3) ACU-A20-N	Α	From Leg	4.0000	0.00	105.0000	No Ice	0.0667	0.1167	0.00
			0.00			1/2"	0.1037	0.1620	0.00
			1.00			lce 1" lce	0.1481 0.2593	0.2148 0.3426	0.00 0.01
						2" ice	0.2000	0.5420	0.01
(3) ACU-A20-N	В	From Leg	4.0000	0.00	105.0000	No Ice	0.0667	0.1167	0.00
			0.00			1/2"	0.1037	0.1620	0.00
			1.00			Ice 1" Ice	0.1481	0.2148	0.00
						2" Ice	0.2593	0.3426	0.01
(3) ACU-A20-N	С	From Leg	4.0000	0.00	105.0000	No Ice	0.0667	0.1167	0.00
			0.00			1/2"	0.1037	0.1620	0.00
			1.00			Ice	0.1481	0.2148	0.00
						1" Ice 2" Ice	0.2593	0.3426	0.01
APXVTM14-C-120 w/	Α	From Leg	4.0000	0.00	105.0000	No Ice	4.0900	2.8600	0.08
Mount Pipe			0.00			1/2"	4.4800	3.2300	0.13
			1.00			lce	4.8800	3.6100	0.19
						1" lce 2" lce	5.7100	4.4000	0.33
APXVTM14-C-120 w/	В	From Leg	4.0000	0.00	105.0000	No Ice	4.0900	2.8600	0.08
Mount Pipe			0.00			1/2"	4.4800	3.2300	0.13
			1.00			lce	4.8800	3.6100	0.19
						1" Ice 2" Ice	5.7100	4.4000	0.33
APXVTM14-C-120 w/	C	From Leg	4.0000	0.00	105,0000	No Ice	4.0900	2.8600	0.08
Mount Pipe			0.00			1/2"	4.4800	3.2300	0.13
			1.00			lce	4.8800	3.6100 4.4000	0.19
						1" Ice 2" Ice	5.7100	4.4000	0.33
TD-RRH8x20-25	Α	From Leg	4.0000	0.00	105.0000	No Ice	4.0455	1.5345	0.07
			0.00			1/2"	4.2975	1.7142	0.10
			1.00			lce	4.5570	1.9008	0.13
						1" lce 2" lce	5.0981	2.2951	0.20
TD-RRH8x20-25	В	From Leg	4.0000	0.00	105.0000	No Ice	4.0455	1.5345	0.07
		-	0.00			1/2"	4.2975	1.7142	0.10
		•	1.00			lce	4.5570	1.9008	0.13
						1" Ice 2" Ice	5.0981	2.2951	0.20
TD-RRH8x20-25	С	From Leg	4.0000	0.00	105.0000	No Ice	4.0455	1.5345	0.07
		-	0.00			1/2"	4.2975	1.7142	0.10
			1.00			Ice	4.5570	1.9008	0.13
						1" Ice 2" Ice	5.0981	2.2951	0.20
(2) 2.375" OD x 10' Mount	Α	From Leg	4.0000	0.00	105.0000	No Ice	2.3750	2.3750	0.03
Pipe			0.00		<del></del>	1/2"	3.4031	3.4031	0.04
			0.00			Ice	4.4479	4.4479	0.07
						1" Ice	5.9106	5.9106	0.14
						2" lce			

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustmen t	Placement	Notational deservatives (Stationales)	C <sub>A</sub> A <sub>A</sub> Front	o uuxeesa nooseesa CAAA SIde	Weight
			ft ft ft	٥	ft		ft <sup>2</sup>	ft²	K
2.375" OD x 10' Mount Pipe	С	From Leg	4.0000 0.00	0.00	105.0000	No Ice 1/2"	2.3750 3.4031	2.3750 3.4031	0.03 0.04
			0.00			Ice 1" Ice 2" Ice	4.4479 5.9106	4.4479 5.9106	0.07 0.14
LLPX310R w/ Mount Pipe	Α	From Leg	4.0000	0.00	105.0000	No Ice	4.4582	2.8533	0.04
			0.00 0.00			1/2" Ice	4.7860 5.1221	3.3731 3.9095	0.08 0.12
			0.00			1" Ice 2" Ice	5.8189	5.0147	0.12
LLPX310R w/ Mount Pipe	В	From Leg	4.0000	0.00	105.0000	No Ice	4.4582	2.8533	0.04
			0.00			1/2"	4.7860	3.3731	0.08
			0.00			lce 1" lce 2" lce	5.1221 5.8189	3.9095 5.0147	0.12 0.22
LLPX310R w/ Mount Pipe	С	From Leg	4.0000	0.00	105.0000	No Ice	4.4582	2.8533	0.04
		-	0.00			1/2"	4.7860	3.3731	0.08
			0.00			Ice 1" Ice	5.1221 5.8189	3.9095 5.0147	0.12 0.22
						2" Ice	3,0109	3.0147	0.22
FDD_R6_RRH	Α	From Leg	4.0000	0.00	105.0000	No Ice	1.5333	0.6840	0.03
			0.00			1/2"	1.6898	0.7999	0.04
			0.00			ice	1.8537	0.9228	0.06
						1" Ice 2" Ice	2.2037	1.1926	0.09
FDD R6 RRH	В	From Leg	4.0000	0.00	105.0000	No Ice	1.5333	0.6840	0.03
		J	0.00			1/2"	1.6898	0.7999	0.04
			0.00			Ice	1.8537	0.9228	0.06
						1" ice 2" Ice	2.2037	1.1926	0.09
FDD_R6_RRH	С	From Leg	4.0000	0.00	105.0000	No Ice	1.5333	0.6840	0.03
		_	0.00			1/2"	1.6898	0.7999	0.04
			0.00			lce	1.8537	0.9228	0.06
						1" lce 2" lce	2.2037	1.1926	0.09
Platform Mount [LP 602-1]	С	None		0.00	105.0000	No Ice	31.0700	31.0700	1.34
						1/2"	34.8200	34,8200	1.97
						lce 1" lce	38.4800 45,6000	38.4800 45.6000	2.67 4.31
*laval 00*						2" Ice	45,0000	43,6000	4.51
*level 90* APXV18-206517S-C w/	Α	From Leg	4.0000	0.00	90.0000	No Ice	3.7900	3.1600	0.05
Mount Pipe			0.00	0.00	•••••	1/2"	4.3800	3.7500	0.09
			0.00			lce	4.9900	4.3500	0.15
						1" Ice 2" Ice	6.2500	5.5900	0.28
APXV18-206517S-C w/	B	From Leg	4.0000	0.00	90.0000	No Ice	3.7900	3.1600	0.05
Mount Pipe	_	110111209	0.00	0.00	00.0000	1/2"	4.3800	3.7500	0.09
			0.00			Ice	4.9900	4.3500	0.15
						1" Ice	6.2500	5.5900	0.28
APXV18-206517S-C w/	С	From Leg	4.0000	0.00	90.0000	2" Ice No Ice	3.7900	3.1600	0.05
Mount Pipe	J	TOTT LOG	0.00	0.00	00.0000	1/2"	4.3800	3.7500	0.03
ψ			0.00			Ice	4.9900	4.3500	0.15
						1" Ice 2" Ice	6.2500	5.5900	0.28
Pipe Mount [PM 601-3]	С	None		0.00	90.0000	No Ice	3.1700	3.1700	0.20
						1/2"	3.7900	3.7900	0.23
						lce	4.4200	4.4200	0.28
** ጅላታን ተጀመሪ ት y disepticips ተቀናለነት የሚያስ ተጀጋ የ 67 የሚያስ ለተቀናለ የመመሪ ልሃ እንደመነያለው ለመመሪ ላ ሃ	watering kanggapan	en dangen et elegane proponen och file ele	namen viktorianakoren viktoril e i er þv. e	EN ALVITAL AND SENSALES FOR THE SENSE FRANCE	ETHER TO LOUIS SOUTHER SE "A "A MOUNTED FOR THE SE SOUTH	1" Ice 2" Ice	5.7600	5.7600	0.40

					Dishe	es					
Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter	GARTE EDICH PRESSUANISCH	Aperture Area	Weight
				ft	o	0	ft	ft		ft²	K
A-ANT-23G-2-C	Α	Paraboloid w/o	From	4.0000	0.00		105.0000	2.1750	No Ice	3.7200	0.01
		Radome	Leg	0.00					1/2" ice	4.0100	0.02
			•	4.00					1" Ice	4.3000	0.03
									2" Ice	4.8800	0.04
VHLP2-18	Α	Paraboloid w/o	From	4.0000	40.00		105.0000	2.1750	No Ice	3.7200	0.03
		Radome	Leg	0.00					1/2" Ice	4.0100	0.05
			•	4.00					1" Ice	4.3000	0.07
									2" Ice	4.8800	0.11
VHLP800-11	С	Paraboloid w/o	From	4.0000	0.00		105.0000	2.8000	No Ice	6.1600	0.02
		Radome	Leg	0.00					1/2" Ice	6.5300	0.06
			ŭ	4.00					1" ice	6.9000	0.09
									2" Ice	7.6400	0.17

# **Tower Pressures - No ice**

 $G_H = 1.100$ 

Section	Z	Kz	$q_z$	$A_G$	F	$A_F$	$A_R$	$A_{leg}$	Leg	$C_A A_A$	$C_A A_A$
Elevation					a			_	%	In	Out
					С					Face	Face
ft	ft		psf	ft <sup>2</sup>	е	ft <sup>2</sup>	ft <sup>2</sup>	ft²		ft²	ft²
L1 120.0000-	97.8306	0.982	35.33	96.100	Α	0.000	96.100	96.100	100.00	0.000	0.000
77.3300	•		3		В	0.000	96.100		100.00	0.000	0.000
				1	С	0.000	96.100		100.00	50.569	0.000
L2 77.3300-	55.5278	0.835	29.91	126.88	Α	0.000	126.888	126.888	100.00	0.000	0.000
34.3300			0	8	В	0.000	126.888		100.00	0.000	0.000
					C	0.000	126.888		100.00	106.279	0.000
L3 34.3300-	16.6896	0.7	25.24	122.29	Α	0.000	122.291	122.291	100.00	0.000	0.000
0.0000			0	1	В	0.000	122.291	i	100.00	0.000	0.000
					С	0.000	122.291		100.00	84.850	0.000

# **Tower Pressure - With Ice**

 $G_H = 1.100$ 

Section	Z	Kz	$q_z$	tz	$A_{G}$	F	$A_F$	$A_R$	$A_{teg}$	Leg	$C_AA_A$	$C_AA_A$
Elevation					ì	а				%	ln	Out
						C					Face	Face
ft	ft	i	psf	in	ft <sup>2</sup>	е	ft²	ft²	ft <sup>2</sup>		ft²	ft²
L1 120.0000-	97.8306	0.982	5.653	1.4214	106.208	Α	0.000	106.208	106.208	100.00	0.000	0.000
77.3300						В	0.000	106.208		100.00	0.000	0.000
						С	0.000	106.208		100.00	107.043	0.000
L2 77.3300-	55.5278	0.835	4.786	1.3431	137.075	Α	0.000	137.075	137.075	100.00	0.000	0.000
34.3300						В	0.000	137.075		100.00	0.000	0.000
						С	0.000	137.075		100.00	209.247	0.000
L3 34.3300~	16.6896	0.7	4.038	1.1910	129.976	Α	0.000	129.976	129.976	100.00	0.000	0.000
0.0000						В	0.000	129.976		100.00	0.000	0.000
						С	0.000	129.976		100.00	163.699	0.000

# **Tower Pressure - Service**

Section	z	Kz	Q <sub>z</sub>	$A_G$	F	$A_F$	$A_R$	$A_{leg}$	Leg	$C_A A_A$	$C_A A_A$
Elevation					a				%	In	Out
	ı				С					Face	Face
ft	ft		psf	ft <sup>2</sup>	е	ft²	ft <sup>2</sup>	ft²		ft <sup>2</sup>	ft <sup>2</sup>
L1 120.0000-	97.8306	0.982	7.667	96.100	Α	0.000	96.100	96.100	100.00	0.000	0.000
77.3300					В	0.000	96.100		100.00	0.000	0.000
					С	0.000	96.100		100.00	50.569	0.000
L2 77.3300-	55.5278	0.835	6.490	126.88	Α	0.000	126.888	126.888	100.00	0.000	0.000
34.3300				8	В	0.000	126.888		100.00	0.000	0.000
1					С	0.000	126.888		100.00	106.279	0.000
L3 34.3300-	16.6896	0.7	5.477	122.29	Α	0.000	122.291	122.291	100.00	0.000	0.000
0.0000				1	В	0.000	122.291	i	100.00	0.000	0.000
					С	0.000	122.291		100.00	84.850	0.000

# **Tower Forces - No Ice - Wind Normal To Face**

Section	Add	Self	F	е	C <sub>F</sub>	qz	$D_F$	$D_R$	Α <sub>E</sub>	F	W	Ctrl.
Elevation	Weight	Weight	a									Face
			С			psf						
ft	K	K	e						ft <sup>2</sup>	K	plf	
L1 120.0000-	0.54	2.67	Α	1	0.95	35.33	1	1	96.100	3.55	83.16	C
77.3300			В	1	0.95	3	1	1	96.100			
			C	1	0.95		1	1	96.100			
L2 77.3300-	0.78	5.43	Α	1	0.95	29.91	1	1	126.888	3.97	92.23	C
34.3300	İ		В	1	0.95	0	1	1	126.888			
			С	1	0.95		1	1	126.888			
L3 34.3300-	0.62	6.74	Α	1	0.95	25.24	1	1	122.291	3.23	93.96	С
0.0000		ĺ	В	1	0.95	0	1	1	122.291			
			С	1	0.95		1	1	122.291			
Sum Weight:	1.94	14.84						OTM	621.19	10.74		
									kip-ft			

# Tower Forces - No Ice - Wind 60 To Face

Section	Add	Self	F	е	$C_F$	qz	$D_F$	$D_R$	AE	F	W	Ctrl.
Elevation	Weight	Weight	a	ļ					i			Face
			c			psf						
ft	K	K	е						ft²	K	plf	
L1 120.0000-	0.54	2.67	A	1	0.95	35.33	1	1	96.100	3.55	83.16	С
77.3300			В	1	0.95	3	1	1	96.100	1		
			С	1	0.95		1	1	96.100			
L2 77.3300-	0.78	5.43	Α	1	0.95	29.91	1	1	126.888	3.97	92.23	С
34.3300			В	1	0.95	0	1	1	126.888			
			С	1	0.95		1	1	126.888			
L3 34.3300-	0.62	6.74	Α	1	0.95	25.24	1	1	122.291	3.23	93.96	С
0.0000			В	1	0.95	0	1	1	122.291	·		
			С	1	0.95		1	1	122.291			
Sum Weight:	1.94	14.84						OTM	621.19	10.74		i
									kip-ft			

# Tower Forces - No Ice - Wind 90 To Face

Section	Add	Self	F	e	$C_F$	$q_z$	D⊭	$D_R$	$A_{\mathcal{E}}$	F	W	Ctrl.
Elevation	Weight	Weight	a									Face
			С			psf						i
ft	K	· K	e						ft <sup>2</sup>	K	pif	
L1 120.0000-	0.54	2.67	Α	1	0.95	35.33	1	1	96.100	3.55	83.16	С

Section Elevation	Add Weight	Self Weight	F	е	C <sub>F</sub>	$q_z$	D <sub>F</sub>	$D_R$	AE	F	W	Ctrl. Face
	J		С		ĺ	psf			62	12	16	, 400
ft	K	K	е						ft²	K	plf	!
77.3300			В	1	0.95	3	1	1	96.100			
			С	] 1	0.95		1	1	96.100			
L2 77.3300-	0.78	5.43	Α.	1	0.95	29.91	1	1	126.888	4.26	99.07	В
34.3300			В	1	1.02	0	1 :	1	126.888	:		
			C	1	0.95		1	1	126.888			
L3 34.3300-	0.62	6.74	Α	1	0.95	25.24	1	1	122.291	3.26	94.89	В
0.0000			В	1	0.959	0	1	1	122.291			
			С	1	0.95		1	1	122.291			
Sum Weight:	1.94	14.84						OTM	638.04	11.07		
									kip-ft			

# **Tower Forces - With Ice - Wind Normal To Face**

Section Elevation	Add Weight	Self Weight	F	е	$C_F$	qz	$D_F$	$D_R$	A <sub>E</sub>	F	W	Ctrl. Face
	Worgin	vveigni	C			psf						race
ft	K	K	e						ft <sup>2</sup>	K	plf	
L1 120.0000-	1.57	4.77	Α	1	1.2	5.653	1	1	106.208	0.79	18.57	C
77.3300			В	1	1.2		1	1	106.208			
			С	1	1.2		1	1	106.208			i i
L2 77.3300-	2.82	8.01	Α	1	1.2	4.786	1	1	137.075	0.87	20.14	С
34.3300			В	1	1.2		1	1	137.075			
			С	1	1.2		1	1	137.075			
L3 34.3300-	2.14	8.92	Α	1	1.2	4.038	1	1	129.976	0.69	20.18	С
0.0000			В	1	1.2		1	1	129.976			
		1	C	1	1.2		1	1	129.976			
Sum Weight:	6.53	21.70						OTM	137.18	2.35		
									kip-ft			

# Tower Forces - With Ice - Wind 60 To Face

Section	Add	Self	F	е	$C_F$	$q_z$	$D_F$	$D_R$	AE	F	W	Ctrl.
Elevation	Weight	Weight	a									Face
			С			psf			***			
ft	K	K	e						ft <sup>2</sup>	. K	plf	
L1 120.0000-	1.57	4.77	Α	1	1.2	5.653	1	1	106.208	0.79	18.57	С
77.3300			В	1	1.2		1	1	106.208			
			C	1	1.2		1	1	106.208			
L2 77.3300-	2.82	8.01	Α	1	1.2	4.786	1	1	137.075	0.87	20.14	c
34.3300			В	1	1.2		1	1	137.075			
i l			C	1	1.2		1	1	137.075			
L3 34.3300-	2.14	8.92	Α	1	1.2	4.038	1	1	129.976	0.69	20.18	С
0.0000			В	1	1.2		1	1	129.976			
1			С	1	1.2		1	1	129.976			
Sum Weight:	6.53	21.70						ОТМ	137.18	2.35		
_									kip-ft			

# Tower Forces - With Ice - Wind 90 To Face

Section Elevation	Add Weight	Self Weight	F	е	$C_F$	$q_z$	$D_F$	$D_R$	A <sub>E</sub>	F	W	Ctrl. Face
Lievation	weigh	vveign	C			psf						1 400
fŧ	κ	κ	e			μα			ft²	K	plf	
L1 120.0000-	1.57	4.77	Α	1	1.2	5.653	1	1	106.208	0.79	18.57	С
77.3300			В	1	1.2		1	1	106.208			
			Ç	1	1.2		1	1	106.208			
L2 77.3300-	2.82	8.01	Α	1	1.2	4.786	1	1	137.075	0.87	20.14	С
34.3300			В	1	1.2		1	1	137.075			
			С	1	1.2		1 ;	1	137.075			
L3 34.3300-	2.14	8.92	Α	1	1.2	4.038	1	1	129.976	0.69	20.18	С
0.0000			В	1	1.2		1	1	129.976			
			С	1	1.2		1	1	129.976			
Sum Weight:	6.53	21.70						OTM	137.18	2.35		
, and the second									kip-ft			

### **Tower Forces - Service - Wind Normal To Face**

Section	Add	Self	F	е	$C_{\mathcal{F}}$	qz	$D_F$	$D_R$	A <sub>E</sub>	F	W	Ctrl.
Elevation	Weight	Weight	a			nnf						Face
[	1/	<b>u</b>	C			psf			ft²	.,	_15	
ft	K	K	е							K	plf	
L1 120.0000-	0.54	2.67	Α	1	0.95	7.667	1	1	96.100	0.77	18.04	C
77.3300			В	1	0.95		1	1	96,100			
1			С	1 1	0.95		1	1	96.100			
L2 77.3300-	0.78	5.43	Α	1	0.95	6.490	1	1	126.888	0.86	20.01	c
34.3300			В	1	0.95		1	1	126.888			
			С	1	0.95		1	1	126.888			
L3 34.3300-	0.62	6.74	Α	1	0.95	5.477	1	1	122.291	0.70	20.39	c
0.0000			В	1	0.95		1	1	122.291			
			С	1	0.95	1	1	1	122.291			
Sum Weight:	1.94	14.84						ОТМ	134.80	2.33		
									kip-ft			

### **Tower Forces - Service - Wind 60 To Face**

Section	Add	Self	F	е	C <sub>F</sub>	qz	$D_F$	$D_R$	A <sub>E</sub>	F	W	Ctrl.
Elevation	Weight	Weight	a									Face
			С			psf						
ft	K	K	е						ft²	K	plf	
L1 120.0000-	0.54	2.67	Α	1	0.95	7.667	1	1	96.100	0.77	18.04	С
77.3300			В	1	0.95		1	1	96.100			
1			С	1	0.95		1	1	96.100			
L2 77.3300-	0.78	5.43	Α	1	0.95	6.490	1	1	126.888	0.86	20.01	c I
34.3300			В	1	0.95		1	1	126.888			
			С	1	0.95		1	1	126.888			
L3 34.3300-	0.62	6.74	Α	1	0.95	5.477	1	1	122.291	0.70	20.39	C
0.0000			В	1	0.95		1	1	122.291			
			С	1	0.95		1	1	122.291			
Sum Weight:	1.94	14.84						OTM	134.80	2.33		
									kip-ft			

# **Tower Forces - Service - Wind 90 To Face**

Section	Add	Self	F	е	$C_F$	gz	D <sub>F</sub>	$D_R$	A <sub>E</sub>	F	W	Ctrl.
Elevation	Weight	Weight	a									Face
			С			psf						
ft	K	K	е						ft <sup>2</sup>	K	plf	
L1 120.0000-	0.54	2.67	Α	1	0.95	7.667	1	1	96.100	0.77	18.04	Ç
77.3300			В	1	0.95		1	1	96.100			
			Ç	1	0.95		1	1	96.100			
L2 77.3300-	0.78	5.43	Α	1	0.95	6.490	1	1	126.888	0.92	21.50	в
34.3300			В	1	1.02	-	1 :	1	126.888			
			С	1	0.95		1	1	126.888			
L3 34.3300-	0.62	6.74	Α	1	0.95	5.477	1	1	122.291	0.71	20.59	В
0.0000			В	1	0.959		1	1	122.291			
1			С	1	0.95		1	1	122.291			·
Sum Weight:	1.94	14.84						OTM	138.45	2.40		
									kip-ft			

# **Force Totals**

Load	Vertical	Sum of	Sum of	Sum of	Sum of	Sum of
Case	Forces	Forces	Forces	Overturning	Overturning	Torques
		X	Z	Moments, M <sub>x</sub>	Moments, M₂	
	K	K	Κ	kip-ft	kip-ft	
			C. Alle Disk was to be before the same and			kip-ft
Leg Weight	14.84	± .				
Bracing Weight	0.00					
Total Member Self-Weight	14.84		F	0.44	0.22	
Total Weight	23.12			0.44	0.22	
Wind 0 deg - No Ice		0.33	-19.84	-1625.31	-35.48	-0.55
Wind 30 deg - No Ice	here the second	10.04	-17.15	-1404.37	-824.66	-1.51
Wind 60 deg - No Ice		17.09	-9.99	-820.10	-1396.24	-2.22
Wind 90 deg - No Ice		19.61	-0.21	-22.39	-1599.40	-2.13
Wind 120 deg - No Ice		17.07	9.74	794.13	-1394.54	-1.26
Wind 150 deg - No Ice		9.68	17.52	1429.05	-777.13	0.63
Wind 180 deg - No Ice		-0.19	19.88	1631.36	21.32	1.77
Wind 210 deg - No Ice		-9.83	17.31	1422.70	802.89	2.19
Wind 240 deg - No Ice		-16.97	10.22	845.77	1384.42	2.08
Wind 270 deg - No ice	-	-19.57	0.19	21.38	1595.06	1.79
Wind 300 deg - No Ice	4.3	-16.91	-9.72	-790.40	1377.26	1.23
Wind 330 deg - No Ice		-9.84	-17.29	-1403.37	793.94	0.19
Member Ice	6.86		100	F 00	0.07	
Total Weight Ice	46.27	0.00	4.05	5.66	0.97	0.45
Wind 0 deg - Ice		0.06	-4.35	-351.46	-5.74	-0.15
Wind 30 deg - Ice		2.20	-3.76	-303.03	-180.01	-0.38
Wind 60 deg - Ice	5.77	3.75	-2.19	-174.34	-306.39	-0.54
Wind 90 deg - Ice		4.31	-0.04	1.37	-351.47	-0.51
Wind 120 deg - Ice		3.74	2.14 3.78	180.72	-306.01	-0.30
Wind 150 deg - Ice		2.10		316.26 363.89	-169.31	0.12
Wind 180 deg - Ice		-0.04 -2.16	4.36 3.79	303.89	5.06 177.78	0.39
Wind 210 deg - Ice Wind 240 deg - Ice		-2.16 -3.73	2.23	190.58	306.02	0.51 0.51
Wind 240 deg - Ice Wind 270 deg - Ice		-3.73 -4.30	0.04	9.75	352.57	0.51
Wind 300 deg - ice		-4.30 -3.71	-2.13	-168.66	304.68	0.30
Wind 330 deg - Ice	200	-2.13	-2.13	-300.08	174.45	0.30
Total Weight	23.12	-2.13 -2.73	-3.13	0.44	0.22	0.03
Wind 0 deg - Service	23.12	0.07	-4.30	-353.56	-7.53	-0.12
Wind 30 deg - Service		2.18	-3.72	-305.61	-1.33 -178.78	-0.12
Wind 30 deg - Service Wind 60 deg - Service	1000	3.71	-3.72 -2.17	-178.83	-302.81	-0.48
Wind 90 deg - Service		4.26	-0.05	-176.63	-346.89	-0.46
Wind 120 deg - Service		3.70	2.11	171.46	-302.44	-0.40
Wind 150 deg - Service		2.10	3.80	309.23	-302.44	-0.27 0.14
Wind 180 deg - Service	44046	-0.04	4.31	353.13	4.80	0.14
Wind 210 deg - Service		-2.13	3.76	307.85	174.39	0.38
Wind 240 deg - Service	100 PM	-3.68	2.22	182.66	300.59	0.45
Wind 240 deg - Service Wind 270 deg - Service		-4.25	0.04	3.77	346.29	0.43
Wind 300 deg - Service		-4.23	-2.11	-172.38	299.03	0.39
Wind 330 deg - Service		-3.07 -2.13	-3.75	-305.40	172.45	0.27
TYTING DOO GOG COTTAINE	31454120000000000000000000000000000000000	2.10	5.75	303.40	112.40	0.04

# **Load Combinations**

Dead Only   2	Comb.	
1 Dead Only 1.2 Dead+1.0 Wind 0 deg - No Ice 3 0.9 Dead+1.0 Wind 30 deg - No Ice 4 1.2 Dead+1.0 Wind 30 deg - No Ice 5 0.9 Dead+1.0 Wind 30 deg - No Ice 6 1.2 Dead+1.0 Wind 30 deg - No Ice 6 1.2 Dead+1.0 Wind 30 deg - No Ice 6 1.2 Dead+1.0 Wind 30 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 1.2 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 180 deg - No Ice 17 0.9 Dead+1.0 Wind 210 deg - No Ice 18 1.2 Dead+1.0 Wind 210 deg - No Ice 19 0.9 Dead+1.0 Wind 210 deg - No Ice 10 0.9 Dead+1.0 Wind 210 deg - No Ice 11 0.9 Dead+1.0 Wind 210 deg - No Ice 12 1.2 Dead+1.0 Wind 210 deg - No Ice 13 0.9 Dead+1.0 Wind 210 deg - No Ice 14 1.2 Dead+1.0 Wind 210 deg - No Ice 15 0.9 Dead+1.0 Wind 210 deg - No Ice 16 1.2 Dead+1.0 Wind 240 deg - No Ice 17 0.9 Dead+1.0 Wind 240 deg - No Ice 18 1.2 Dead+1.0 Wind 300 deg - No Ice 19 0.9 Dead+1.0 Wind 300 deg - No Ice 10 0.9 Dead+1.0 Wind 300 deg - No Ice 11 0.9 Dead+1.0 Wind 300 deg - No Ice 12 Dead+1.0 Wind 300 deg - No Ice 13 Dead+1.0 Wind 300 deg - No Ice 14 Dead+1.0 Wind 300 deg - No Ice 15 Dead+1.0 Wind 300 deg - No Ice 16 Dead+1.0 Wind 300 deg - No Ice 17 Dead+1.0 Wind 300 deg - No Ice 18 Dead+1.0 Wind 300 deg - No Ice 19 Dead+1.0 Wind 300 deg - No Ice 10 Dead+1.0 Wind 300 deg - No Ice 11 Dead+1.0 Wind 300 deg - No Ice 12 Dead+1.0 Wind 300 deg - No Ice 13 Dead+1.0 Wind 300 deg - No Ice 14 Dead+1.0 Wind 300 deg - No Ice 15 Dead+1.0 Wind 300 deg - No Ice 16 Dead+1.0 Wind 300 deg - No Ice 17 Dead+1.0 Wind 300 deg - No Ice 18 Dead+1.0 Wind 300 deg - No Ice 19 Dead+1.0 Wind 300 deg - No Ice 10 Dead+1.0 Wind 300 deg - No Ice 11 Dead+1.0 Wind 300 deg - No Ice 12 Dead+1.0 Wind 300 deg - No Ice 13 Dead+1.0 Wind 300 deg - No Ice 14 Dead+1.0 Wind 300 deg - No Ice 15 Dead+1.0 Wind 300 deg - No Ice 16 Dead+1.0 Wind 300 deg		Description
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Dead+Wind 120 deg - Service Dead+Wind 150 deg - Service Dead+Wind 180 deg - Service Dead+Wind 210 deg - Service Dead+Wind 240 deg - Service Dead+Wind 270 deg - Service Dead+Wind 270 deg - Service Dead+Wind 300 deg - Service		Dead+Wind 60 deg - Service
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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		
46 Dead+Wind 210 deg - Service 47 Dead+Wind 240 deg - Service 48 Dead+Wind 270 deg - Service 49 Dead+Wind 300 deg - Service		
47 Dead+Wind 240 deg - Service 48 Dead+Wind 270 deg - Service 49 Dead+Wind 300 deg - Service		
48 Dead+Wind 270 deg - Service 49 Dead+Wind 300 deg - Service		
49 Dead+Wind 300 deg - Service		
		<b>∀</b>
50 Dead+Wind 330 deg - Service		
	50	Dead+Wind 330 deg - Service

# **Maximum Member Forces**

Sectio n	Elevation ft	Component Type	Condition	Gov. Load	Axial	Major Axis Moment	Minor Axis Moment
No.				Comb.	<u></u>	kip-ft	kip-ft
L1	120 - 77.33	Pole	Max Tension	14	0.00	-0.00	-0.00
			Max. Compression	26	-25.47	1.04	1.45
			Max. Mx	8	-10.38	-322.49	6.57
			Max. My	2	-10.36	-8.96	331.34

Sectio n	Elevation ft	Component Type	Condition	Gov. Load	Axial	Major Axis Moment	Minor Axis Moment
No.	n	туре		Comb.	K	kip-ft	kip-ft
			Max. Vy	8	12.52	-322.49	6.57
			Max. Vx	14	12.80	5.67	-331.22
			Max. Torque	7			2.19
L2	77.33 - 34.33	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.03	1.03	-1.92
		•	Max. Mx	8	-17.54	-927.52	15.18
			Max. My	14	-17.52	14.15	-948.76
			Max. Vy	8	16.26	-927.52	15.18
			Max. Vx	14	16.54	14.15	<b>-</b> 948.76
			Max. Torque	7			2.19
L3	34.33 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.53	1.02	-5.75
			Max. Mx	8	-27.73	-1645.44	23.03
			Max. Mγ	14	-27.73	22.04	-1678.52
			Max. Vý	8	19.62	-1645.44	23.03
			Max. Vx	14	19.90	22.04	-1678.52
			Max. Torque	7			2.19

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Location	Condition	Gov.	Vertical	Horizontal, X	Horizontal, 2
		Load	K	K	K
		Comb.			
Pole	Max. Vert	26	51.53	-0.00	-0.00
	Max. H <sub>x</sub>	21	20.81	19.57	-0.19
	Max. H <sub>z</sub>	3	20.81	-0.33	19.84
	Max. M <sub>x</sub>	2	1672.16	-0.33	19.84
	Max. M <sub>z</sub>	8	1645.44	-19.61	0.21
	Max. Torsion	7	2.19	-17.09	9.99
	Min. Vert	15	20.81	0.19	-19.88
	Min. H <sub>x</sub>	9	20.81	-19.61	0.21
	Min. H <sub>z</sub>	15	20.81	0.19	-19.88
	Min. M <sub>x</sub>	14	-1678.52	0.19	-19.88
	Min. M <sub>z</sub>	20	-1641.07	19.57	-0.19
	Min. Torsion	17	-2.17	9.83	-17.31

# **Tower Mast Reaction Summary**

Load Combination	Vertical	Shear <sub>x</sub>	Shearz	Overturning Moment, M <sub>x</sub>	Overturning Moment, M <sub>z</sub>	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead Only	23.12	-0.00	-0.00	0.44	0.22	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	27.74	0.33	-19.84	-1672.16	-36.56	-0.53
0.9 Dead+1.0 Wind 0 deg - No ice	20.81	0.33	-19.84	-1659.98	-36.33	-0.53
1.2 Dead+1.0 Wind 30 deg - No Ice	27.74	10.04	-17.15	-1444.89	-848.47	-1.47
0.9 Dead+1.0 Wind 30 deg - No Ice	20.81	10.04	-17.15	-1434.36	-842.28	-1.48
1.2 Dead+1.0 Wind 60 deg - No Ice	27.74	17.09	-9.99	-843.77	-1436.51	-2.18
0.9 Dead+1.0 Wind 60 deg - No Ice	20.81	17.09	-9.99	-837.67	-1426.01	-2.19
1.2 Dead+1.0 Wind 90 deg - No Ice	27.74	19.61	-0.21	-23.03	-1645.44	-2.09
0.9 Dead+1.0 Wind 90 deg - No ice	20.81	19.61	-0.21	-22.97	-1633.43	-2.10
1.2 Dead+1.0 Wind 120 deg - No Ice	27.74	17.07	9.74	817.12	-1434.77	-1.24

Load Combination	Vertical K	Shear <sub>x</sub> K	Shear <sub>z</sub>	Overturning Moment, M <sub>x</sub> kíp-ft	Overturning Moment, M <sub>z</sub> kip-ft	Torque kip-ft
0.9 Dead+1.0 Wind 120 deg	20.81	17.07	9.74	810.98	بر المرابع 1424.27	-1.25
- No Ice						
1.2 Dead+1.0 Wind 150 deg - No Ice	27.74	9.68	17.52	1470.30	-799.31	0.63
0.9 Dead+1.0 Wind 150 deg	20.81	9.68	17.52	1459.37	-793.55	0.63
- No Ice 1.2 Dead+1.0 Wind 180 deg	27,74	-0.19	19.88	1678.52	22.04	1.76
- No Ice	27.74	-0.19	19.00	1076.52	22.04	1.70
0.9 Dead+1.0 Wind 180 deg	20.81	-0.19	19.88	1666.05	21.80	1.76
- No Ice 1.2 Dead+1.0 Wind 210 deg	27.74	-9.83	17.31	1463.94	826.09	2.16
- No Ice					020.00	2.13
0.9 Dead+1.0 Wind 210 deg - No ice	20.81	-9.83	17.31	1453.01	819.95	2.17
1.2 Dead+1.0 Wind 240 deg	27.74	-16.97	10.22	870.40	1424.40	2.04
- No Ice	22.24	40.07	40.00	505.60		
0.9 Dead+1.0 Wind 240 deg - No Ice	20.81	-16.97	10.22	863.83	1413.85	2.04
1.2 Dead+1.0 Wind 270 deg	27.74	-19.57	0.19	22.13	1641.07	1.75
- No Ice 0.9 Dead+1.0 Wind 270 deg	20.81	-19.57	0.19	21.83	1628.96	1.76
- No Ice	20.01	-15.57	0.15	21.03	1020.50	1.70
1.2 Dead+1.0 Wind 300 deg - No Ice	27.74	-16.91	-9.72	-813.15	1417.06	1.20
0.9 Dead+1.0 Wind 300 deg	20.81	-16.91	-9.72	-807.29	1406.57	1.21
- No Ice	07.74	2.24	<b>1=</b> 00			
1.2 Dead+1.0 Wind 330 deg - No Ice	27.74	-9.84	-17.29	-1443.69	816.77	0.18
0.9 Dead+1.0 Wind 330 deg	20.81	-9.84	-17.29	-1433.22	810.72	0.19
- No Ice 1.2 Dead+1.0 Ice+1.0 Temp	51.53	0.00	0.00	5.75	1.02	-0.00
1.2 Dead+1.0 Wind 0	51.53	0.06	-4.35	-375.60	-6.06	-0.15
deg+1.0 Ice+1.0 Temp	E4 E2	2 20	2.76	202.06	100.00	0.27
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	51.53	2.20	-3.76	-323.86	-192.20	-0.37
1.2 Dead+1.0 Wind 60	51.53	3,75	-2.19	-186.38	-327.19	-0.52
deg+1.0 Ice+1.0 Temp 1.2 Dead+1.0 Wind 90	51.53	4,30	-0.04	1.32	-375.32	-0.49
deg+1.0 lce+1.0 Temp						0.40
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	51.53	3.74	2.14	192.93	-326.78	-0.29
1.2 Dead+1.0 Wind 150	51.53	2.10	3.78	337.77	-180.70	0.12
deg+1.0 lce+1.0 Temp	E4 E0	0.04	. 400	200.05	F 55	0.00
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	51.53	-0.04	4.36	388.65	5.55	0.38
1.2 Dead+1.0 Wind 210	51.53	<i>-</i> 2.16	3.79	339.40	190.03	0.50
deg+1.0 Ice+1.0 Temp 1.2 Dead+1.0 Wind 240	51.53	-3.73	2.23	203.53	327.00	0.49
deg+1.0 Ice+1.0 Temp				200.00	021.00	0.40
1.2 Dead+1.0 Wind 270 deg+1.0 ice+1.0 Temp	51.53	-4.30	0.04	10.33	376.72	0.43
1.2 Dead+1.0 Wind 300	51.53	-3.71	-2.13	-180.27	325.57	0.29
deg+1.0 lce+1.0 Temp	F4 F0	0.40	a <b>7</b> 0		100.11	
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	51.53	-2.13	-3.73	-320.68	186.44	0.04
Dead+Wind 0 deg - Service	23.12	0.07	-4.30	-360.93	-7.73	-0.12
Dead+Wind 30 deg - Service	23.12	2.18	-3.72	-311.82	-183.13	-0.32
Dead+Wind 60 deg - Service	23.12	3.71	-2.17	-181.96	-310.16	-0.48
Dead+Wind 90 deg - Service	23.12	4.26	-0.05	-4.66	-355.31	-0.46
Dead+Wind 120 deg - Service	23.12	3.70	2.11	176.84	-309.78	-0.27
Dead+Wind 150 deg - Service	23.12	2.10	3.80	317.95	-172.51	0.14
Dead+Wind 180 deg - Service	23.12	-0.04	4.31	362.95	4.93	0.38
Dead+Wind 210 deg -	23.12	-2.13	3.76	316.57	178.63	0.47
Service Dead+Wind 240 deg -	23.12	-3.68	2.22	188.35	307.88	0.45
Service	20.12	-5,00	E.LL	100.55	507.50	0.40

Load Combination	Vertical	Shearx	Shearz	Overturning Moment, M <sub>x</sub>	Overturning Moment, M <sub>z</sub>	Torque
	K	K	K	kíp-ft	kip-ft	kip-ft
Dead+Wind 270 deg - Service	23.12	-4.25	0.04	5.10	354.70	0.38
Dead+Wind 300 deg - Service	23.12	-3.67	-2.11	-175.34	306.29	0.26
Dead+Wind 330 deg - Service	23.12	-2.13	-3.75	-311.56	176.62	0.04

Sol	ution	Su	ım	mar	v

		Sum of Applied Forces			Sum of Reactio		
Load	PX	PY	PZ	PX	PY	PZ	% Error
Comb.	K	K	K	K	K	K	
1	0.00	-23.12	0.00	0.00	23.12	0.00	0.000%
2	0.33	-27.74	-19.84	-0.33	27.74	19.84	0.002%
3	0.33	-20.81	-19.84	-0.33	20.81	19.84	0.002%
4	10.04	-27.74	-17.15	-10.04	27.74	17.15	0.000%
5	10.04	-20.81	-17.15	-10.04	20.81	17.15	0.001%
6	17.09	-27.74	-9.99	-17.09	27.74	9.99	0.000%
7	17.09	-20.81	-9.99	-17.09	20.81	9.99	0.000%
8	19.61	-27.74	-0.21	-19.61	27.74	0.21	0.002%
9	19.61	-20.81	-0.21	-19.61	20.81	0.21	0.002%
10	17.07	-27.74	9.74	-17.07	27.74	-9.74	0.000%
11	17.07	-20.81	9.74	-17.07	20.81	-9.74	0.001%
12	9.68	-27.74	17.52	-9.68	27.74	-17.52	0.000%
13	9.68	-20.81	17.52	-9.68	20.81	-17.52	0.001%
14	-0.19	-27.74	19.88	0.19	27.74	-19.88	0.002%
15	-0.19	-20.81	19.88	0.19	20.81	-19.88	0.002%
16	-9.83	-27.74	17.31	9.83	27.74	-17.31	0.000%
17	-9.83	-20.81	17.31	9.83	20.81	-17.31	0.000%
18	-16.97	-27.74	10.22	16.97	27.74	-10.22	0.000%
19	-16.97	-20.81	10.22	16.97	20.81	-10.22	0.001%
20	-19.57	-27.74	0.19	19.57	27.74	-0.19	0.002%
21	-19.57	-20.81	0.19	19.57	20.81	-0.19	0.002%
22	-16.91	-27.74	-9.72	16.91	27.74	9.72	0.000%
23	-16.91	-20.81	-9.72 -9.72	16.91	20.81	9.72	0.001%
24	-9.84	-27.74	-17.29	9.84	27.74	17.29	0.000%
25	-9.84	-20.81	-17.29	9.84	20.81	17.29	0.000%
26	0.00	-20.61 -51.53	0.00	-0.00	51.53	-0.00	0.001%
27	0.06	-51.53 -51.53	-4.35	-0.06	51.53	4.35	0.001%
28	2.20	-51.53 -51.53	-3.76	-2.20	51.53 51.53	3.76	0.001%
29	3.75	-51.53 -51.53	-3.76 -2.19	-2.20 -3.75	51.53 51.53	2.19	0.001%
30	4.31	-51.53 -51.53	-2.1 <del>9</del> -0.04	-3.75 -4.30	51.53	0.04	0.001%
30 31	3.74	-51.53 -51.53	-0.04 2.14	-4.30 -3.74	51.53 51.53	-2.14	0.001%
32	2.10	-51.53 -51.53	3.78	-3.74 -2.10		-2.14 -3.78	
33	-0.04	-51.53 -51.53		0.04	51.53		0.001%
33 34			4.36 3.79		51.53	-4.36	0.001%
	-2.16	-51.53		2.16	51.53 51.50	-3.79	0.001%
35	-3.73	-51.53	2.23	3.73	51.53	-2.23	0.001%
36	-4.30	-51. <b>5</b> 3	0.04	4.30	51.53	-0.04	0.001%
37	-3.71	-51.53	-2.13	3.71	51.53	2.13	0.001%
38	-2.13	-51.53	-3.73	2.13	51.53	3.73	0.001%
39	0.07	-23.12	-4.30	-0.07	23.12	4.30	0.002%
40	2.18	-23.12	-3.72	-2.18	23.12	3.72	0.002%
41	3.71	-23.12	-2.17	-3.71	23.12	2.17	0.002%
42	4.26	-23.12	-0.05	-4.26	23.12	0.05	0.002%
43	3.70	-23.12	2.11	-3.70	23.12	-2.11	0.002%
44	2.10	-23.12	3.80	-2.10	23.12	-3.80	0.002%
45	-0.04	-23.12	4.31	0.04	23.12	-4.31	0.002%
46	-2.13	-23.12	3.76	2.13	23.12	-3.76	0.002%
47	-3.68	-23.12	2.22	3.68	23.12	-2.22	0.002%
48	-4.25	-23.12	0.04	4.25	23.12	-0.04	0.002%
49	-3.67	-23.12	-2.11	3.67	23.12	2.11	0.002%
50	-2.13	-23.12	-3.75	2.13	23.12	3.75	0.002%

#### Non-Linear Convergence Results

Load	Converged?	Number	Displacement	Force
Combination	Convergeu?		Displacement Tolerance	
1	Yes	of Cycles		Tolerance
2		6 12	0.00000001	0.00000001
3	Yes		0.00000001	0.00006313
3	Yes	12	0.00000001	0.00005286
4	Yes	14	0.00000001	0.00005773
5	Yes	13	0.0000001	0.00013741
6	Yes	14	0.00000001	0.00006746
7	Yes	14	0.00000001	0.00005193
8	Yes	12	0.00000001	0.00013484
9	Yes	12	0.00000001	0.00011118
10	Yes	14	0.00000001	0.00005422
11	Yes	13	0.0000001	0.00012939
12	Yes	14	0.00000001	0.00005543
13	Yes	13	0.00000001	0.00013220
14	Yes	12	0.00000001	0.00012151
15	Yes	12	0.00000001	0.00009986
16	Yes	14	0.00000001	0.00006812
17	Yes	14	0.00000001	0.00005240
18	Yes	14	0.00000001	0.00005731
19	Yes	13	0.00000001	0.00013647
20	Yes	12	0.00000001	0.000013047
21		12		
	Yes		0.00000001	0.00007625
22	Yes	14	0.00000001	0.00006014
23	Yes	13	0.0000001	0.00014429
24	Yes	14	0.00000001	0.00005683
25	Yes	13	0.0000001	0.00013558
26	Yes	6	0.00000001	0.00000633
27	Yes	12	0.00000001	0.00008568
28	Yes	12	0.0000001	0.00009412
29	Yes	12	0.00000001	0.00009491
30	Yes	12	0.00000001	0.00008479
31	Yes	12	0.00000001	0.00009301
32	Yes	12	0.00000001	0.00009322
33	Yes	12	0.00000001	0.00008728
34	Yes	12	0.00000001	0.00009743
35	Yes	12	0.00000001	0.00009599
36	Yes	12	0.00000001	0.00008549
37	Yes	12	0.00000001	0.00009307
38	Yes	12	0.00000001	0.00009307
39		12		
	Yes		0.00000001	0.00005354
40	Yes	11	0.00000001	0.00004514
41	Yes	11	0.00000001	0.00005108
42	Yes	11	0.00000001	0.00005467
43	Yes	11	0.0000001	0.00004464
44	Yes	11	0.00000001	0.00004550
45	Yes	11	0.00000001	0.00005517
46	Yes	11	0.00000001	0.00005192
47	Yes	11	0.00000001	0.00004513
48	Yes	11	0.00000001	0.00005371
49	Yes	11	0.00000001	0.00004752
50	Yes	11	0.00000001	0.00004544

#### **Maximum Tower Deflections - Service Wind**

Section No.	Elevation	Horz. Deflection	Gov. Load	Tilt	Twist
	ft	in	Comb.	D	В
L1	120 - 77.33	11.17	46	0.78	0.00
L2	82 - 34.33	5.36	46	0.62	0.00
L3	40 - 0	1.27	46	0.29	0.00

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

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of Curvature
ft		Comb.	in	a	o	ft
115.0000	(2) DB844G65ZAXY w/ Mount Pipe	46	10.35	0.76	0.00	57774
109.0000	A-ANT-23G-2-C	46	9.39	0.74	0.00	26261
107.0000	800MHZ RRH	46	9.07	0.74	0.00	22221
105.0000	APXVSPP18-C-A20 w/ Mount Pipe	46	8.75	0.73	0.00	19258
90.0000	APXV18-206517S-C w/ Mount Pipe	46	6.47	0.66	0.00	9628

#### **Maximum Tower Deflections - Design Wind**

Section	Elevation	Horz.	Gov.	Tilt	Twist
No.		Deflection	Load		
	ft	in	Comb.	۰	0
L1	120 - 77.33	51.75	16	3.62	0.02
L2	82 - 34.33	24.82	16	2.86	0.01
L3	40 - 0	5.88	16	1,33	0.00

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

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt	Twist •	Radius of Curvature ft
115.0000	(2) DB844G65ZAXY w/ Mount Pipe	16	47.98	3.54	0.02	12663
109.0000	A-ANT-23G-2-C	16	43.50	3.44	0.02	5755
107.0000	800MHZ RRH	16	42.01	3.41	0.02	4870
105.0000	APXVSPP18-C-A20 w/ Mount Pipe	16	40.54	3.37	0.02	4220
90.0000	APXV18-206517S-C w/ Mount Pipe	16	29.97	3.07	0.01	2108

#### **Compression Checks**

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Section No.	Elevation	Size	L	Lu	KI/r	A	$P_{u}$	$\varphi P_n$	Ratio Pu
	ft		ft	ft		in²	K	K	$\varphi P_n$
L1	120 - 77.33 (1)	TP30.45x21.91x0.22	42.670 0	0.0000	0.0	20.752 8	-10.35	1214.04	0.009
L2	77.33 - 34.33 (2)	TP38.61x29.0753x0.31	47.670 0	0.0000	0.0	37.099 0	-17.52	2170.29	800.0
L3	34.33 - 0 (3)	TP44.85x36.8559x0.38	40.000 0	0.0000	0.0	54.413 5	-27.73	3183.19	0.009

#### Pole Bending Design Data

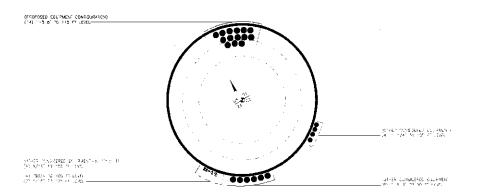
Section No.	Elevation	Size	M <sub>UX</sub>	$\phi M_{n_X}$	Ratio Mux	Muy	$\varphi M_{ny}$	Ratio M <sub>uy</sub>
	ft		kip-ft	kip-ft	$\varphi M_{nx}$	kip-ft	kip-ft	$\varphi M_{ny}$
L1	120 - 77.33 (1)	TP30.45x21.91x0.22	331.75	746.74	0.444	0.00	746.74	0.000
L2	77.33 - 34.33 (2)	TP38.61x29.0753x0.31	950.27	1790.19	0.531	0.00	1790.19	0.000
L3	34.33 - 0 (3)	TP44.85x36.8559x0.38	1680.93	3178.19	0.529	0.00	3178.19	0.000

Pole Shear Design Data								
Section No.	Elevation	Size	Actual Vu	$\varphi V_n$	Ratio V <sub>u</sub>	Actual T <sub>u</sub>	$\varphi T_n$	Ratio T <sub>u</sub>
	ft		K	K	φV <sub>n</sub>	kip-ft	kip-ft	$\overline{\varphi T_n}$
L1	120 <b>-</b> 77.33 (1)	TP30.45x21.91x0.22	12.83	364.21	0.035	2.17	938.54	0.002
L2	77.33 - 34.33	TP38.61x29.0753x0.31	16.56	651.09	0.025	2.16	2128.55	0.001
L3	34.33 - 0 (3)	TP44.85x36.8559x0.38	19.92	954.96	0.021	2.16	3735.52	0.001

Pole Interaction Design Data									
Section No.	Elevation	Ratio P <sub>u</sub>	Ratio M <sub>ux</sub>	Ratio M <sub>uy</sub>	Ratio Vu	Ratio Tu	Comb. Stress	Allow. Stress	Criteria
	ft	φΡ,	$\varphi M_{nx}$	$\varphi M_{oy}$	φV <sub>n</sub>	$\overline{\varphi T_n}$	Ratio	Ratio	
L1	120 - 77.33 (1)	0.009	0.444	0.000	0.035	0.002	0.454	1.050	4.8.2
L2	77.33 - 34.33 (2)	0.008	0.531	0.000	0.025	0.001	0.540	1.050	4.8.2
L3	34.33 - 0 (3)	0.009	0.529	0.000	0.021	0.001	0.538	1.050	4.8.2

Section Capacity Table								
Section No.	Elevation ft	Component Type	остольный принципальный принципальный принципальный принципальный принципальный принципальный принципальный пр Size	Critical Element	P K	øP <sub>atiow</sub> K	% Capacity	Pass Fail
L1	120 - 77.33	Pole	TP30.45x21.91x0.22	1	-10.35	1274.74	43.3	Pass
L2	77.33 - 34.33	Pole	TP38.61x29.0753x0.31	2	-17.52	2278.80	51.4	Pass
L3	34.33 - 0	Pole	TP44.85x36.8559x0.38	3	-27.73	3342.35	51.2	Pass
							Summary	
			·			Pole (L2)	51.4	Pass
						RATING =	51.4	Pass

## APPENDIX B BASE LEVEL DRAWING



# APPENDIX C ADDITIONAL CALCULATIONS

#### **Monopole Base Plate Connection**



(units of kips, kip-in)

Stress Rating 50.5% Pass

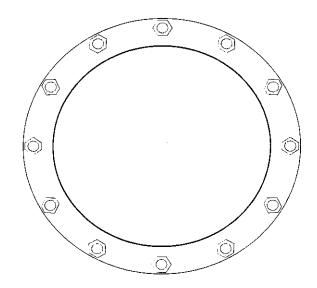
(Flexural)
Pass

Site Info			
	BU #	806454	
	Site Name		
	Order#		

Analysis Considerations	
TIA-222 Revision	Н
Grout Considered:	No
l <sub>ar</sub> (in)	1.25

Applied Loads	
Moment (kip-ft)	1680.93
Axial Force (kips)	27.73
Shear Force (kips)	19.92

<sup>\*</sup>TIA-222-H Section 15.5 Applied



Connection Properties	A	nalysis Results
Anchor Rod Data	Anchor Rod Summary	
(12) 2-1/4" ø bolts (A615-75 N; Fy=75 ksi, Fu=100 ksi) on 52.95" BC	Pu_c = 129.2	φPn_c = 243.75
	Vu = 1.66	$\phi Vn = 73.13$
Base Plate Data	Mu = n/a	φMn = n/a
57.16" OD x 2.75" Plate (A572-60; Fy=60 ksi, Fu=75 ksi)		
	Base Plate Summary	
Stiffener Data	Max Stress (ksi):	14.77
N/A	Allowable Stress (ksi):	54
	Stress Rating:	26.0%
Pole Data		
44.85" x 0.38" 12-sided pole (A572-65; Fy=65 ksi, Fu=80 ksi)		

CCIplate - version 3.6.0 Analysis Date: 11/1/2019

#### **Drilled Pier Foundation**

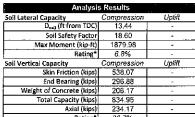
BU # : 806454 Site Name: Order Number:

TIA-222 Revison: H
Tower Type: Monopole

Applied Loads					
	Comp.	Uplift			
Moment (kip-ft)	1681				
Axial Force (kips)	28				
Shear Force (kips)	20				

Material P	roperties	
Concrete Strength, fc:	3	ksi
Rebar Strength, Fy:	60	ksi

Pier Des	ign Data					
Depth	59.25	ft				
Ext. Above Grade	0.5	ft				
Pier Section 1						
From 0.5' above grade to 59.25' below grade						
Pier Diameter	6	ft				
Rebar Quantity:	36					
Rebar Size	11					
Clear Cover to Ties	3	in				
Tie Size	4					



206.17	-
834.95	-
234.17	,
26.7%	
Compression	Uplift
13.32	-
1879.96	-
6907.07	-
25.9%	-
	834.95 234.17 26.7% Compression 13.32 1879.96 6907.07

Soil Interaction Rating\* 26.7%

Structural Foundation Rating\* 25.9%

\*Rating per TIA-222-H Section 15.5

Soil Profite

CROWN
CASTLE

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

Groundwa	iter Depth	13	ft			# of Layers	5							
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	Y <sub>roil</sub> (pcf)	Vooncrete (pcf)	Cahesian (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Priction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	l IIItimate Skin	Ult, Gross Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3	3	105	150	0	0	0.000	0.000					Cohesionless
2	3	12	9	105	150	0	25	0.356	0.356				6	Cohesionless
3	12	13	1	110	150	1.25	0	0.688	0.688					Cohesive
4	13	42	29	47.6	87.6	1.25	0	0.688	0.688					Cohesive
5	42	59.25	17.25	52.6	87.6	1.5	0	0.825	0.825			14		Cohesive



#### ASCE 7 Hazards Report

Address:

No Address at This Location

Standard:

Soil Class:

ASCE/SEI 7-10

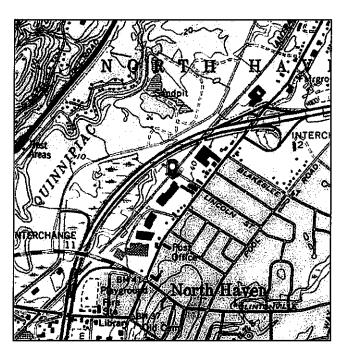
Elevation: 33.83 ft (NAVD 88)

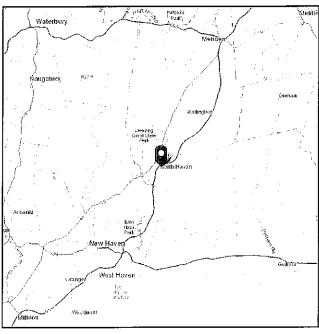
Risk Category: ||

D - Stiff Soil

41.396369 Latitude:

Longitude: -72.857686





#### Wind

#### Results:

Wind Speed:

125 Vmph

10-year MRI

77 Vmph

25-year MRI

87 Vmph

50-year MRI

94 Vmph

100-year MRI

101 Vmph

**Data Source:** 

ASCE/SEI 7-10, Fig. 26.5-1A and Figs. CC-1-CC-4, incorporating errata of

March 12, 2014

Date Accessed:

Mon Oct 28 2019

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

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



#### lce

Results:

Ice Thickness:

0.75 in.

Concurrent Temperature:

15 F

Gust Speed:

50 mph

Data Source:

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

Date Accessed:

Mon Oct 28 2019

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

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

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

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#### REVIEWED

By Mike Laverty at 9:19 am, Nov 07, 2019

# verizo

# NO HAVEN 117 WASHING NORTH HAVEN,

#### PROJECT SUMMARY

073

NO HAVEN CT

SITE NAME: SITE ADDRESS:

117 WASHINGTON ST NORTH HAVEN, CT 06473 CROWN CASTLE

TOWER OWNER:

2000 CORPORATE DR CANONSBURG, PA 15317

BU NUMBER:

MAP NUMBER:

LOT NUMBER:

CUSTOMER/APPLICANT:

CONTACT:

NAD83

LATITUDE: LONGITUDE:

ELEVATION: CURRENT ZONING:

A&E FIRM:

OCCUPANCY TYPE: A.D.A. COMPLIANCE:

(617) 945-7288 41' 23' 46.93" N

72' 51' 27.67" W

N/A

B+T GROUP 1717 S. BOULDER, SUITE 300 TULSA, OK 74119 MIKE OAKES

VERIZON WIRELESS
400 FRIEBERG PARKWAY
WESTBOROUGH, MA 01581
DAN MYZYRI

(918) 587-4630

UNMANNED

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

#### CODE COMPLIANCE

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 IBC 2015 IBC 2015 CODE TYPE BUILDING STRUCTURAL IMC 2015 MECHANICAL ELEÇTRICAL

# **LOCATION MAP** NO SCALE

#### DRIVING DIRECTIONS

DEPART FROM BRADLEY INTERNATIONAL AIRPORT ON LOCAL ROAD. TAKE LOCAL ROAD ONTO TERMINAL RD. ROAD CONNECTOR, ROAD NAME CHANGES TO CT-20 [BRADLEY FIELD CONNECTOR]. TAKE RAMP ONTO I-91 [RICHARD FRIGHT ONTO RAMP, BEAR LEFT (ONTO US-5 [WASHINGTON AVE]. TURN RIGHT ONTO FERRO LN. TURN LEFT ONTO

NOTES: 1. CO

CONTRACTOR TO VERIFY EXACT INSTALLATION AND ANTENNA HE DATA SHEETS PRIOR TO INSTALLATION EXPORTED BY A STRUCTURAL ANALYSIS DONE E VERIZON SHALL PROVIDE A STITHE TOWER PREPARED BY A ISTRUCTURAL ENGINEER CERTIFOWER AND PROPOSED IMPROVICE AND IN COMPLIANCE WITH THE BUILDING CODES AND EIA/THACONTRACTOR IS RESPONSIBLE AND ALL IMPROVEMENTS REQUIRED ANALYSIS CERTIFICATION ARE PRIOR TO THE ADDITION OF ANAPPURTENANCES PROPOSED OF THE AND WEATHERPROFF UNUSED OF ESTIMATED HYBRIFLEX CABLE L ESTIMATED HYBRIFLEX CABLE L

- INSTALL ALL EQUIPMENT, MOUNTING BRACKETS AND HARDWARE ACCORDING WITH MANUFACTURE'S RECOMMENDATIONS.
- GROUND DISTRIBUTION BOXES, MOUNTING PIPES AND RRHs IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
- INSTALLED EQUIPMENT AND MOUNTING BRACKETS SHALL NOT INTERFERE WITH CLIMBING ACCESS NOR ANT INSTALLED SAFETY DEVICES.
- EQUIPMENT TO BE INSTALLED AT VERIZON'S RAD. CENTER IN ACCORDANCE WITH TOWER STRUCTURAL ANALYSIS (ANALYSIS BY OTHERS).

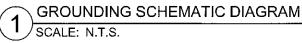
COAX GROUND KIT	UPPER DC PROTECTION	SECTOR DC SURGE	RRH GROUND	ANTENNA MOUNTING PIPE	
<b>—</b>					- #6 AWG
		GROUND BAR	- #2/O AWG		
		тор мсв	- #2/O AWG		
		LOWER MGB	CON	DUIT	

REMOTE RADIO H	EAD D	11
MODEL	HEIGHT	٦,
20W CBRS	12.1"	
RV01U-D1A	15"	
RV01U-D2A	15"	

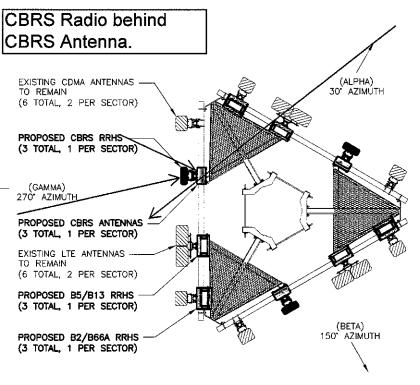


NOTE:

- BOND ANTENNA GROUNDING KIT CABLES TO TOP CIBE. BOND ANTENNA GROUNDING KIT CABLE TO BOTTOM CIBE.
- TYPICAL FOR ALL SECTORS.



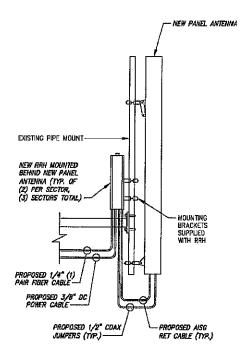
RRH SPECIFICATIONS SCALE: N.T.S.



Call out proposed antenna model number per RFDS.

PROPOSED ANTENNA ORIENTATION SCALE: N.T.S.





ANTENNA MOUNTING DETAIL
SCALE: N.T.S.

Date: October 29, 2019



ENGINEERING INNOVATION

FDH Infrastructure Services, LLC 6521 Meriden Drive Suite 107 Raleigh, NC 27616 (919) 755-1012 Structural@fdh-is.com

Darcy Tarr Crown Castle 3530 Toringdon Way, Suite 300 Charlotte, NC 28277 (704) 405-6589

Subject:

**Mount Analysis Report** 

Carrier Designation:

Verizon Wireless Co-Locate

Carrier Site Number: Carrier Site Name:

NG1915 NO HAVEN CT

Crown Castle Designation:

Crown Castle BU Number:

806454

Crown Castle Site Name:

NHV 112 948129

**Crown Castle JDE Job Number:** Crown Castle Order Number:

592725 506770 Revision 0

Engineering Firm Designation:

FDH Infrastructure Services, LLC Report Designation: PR-001915

Site Data:

117 Washington Street, North Haven, New Haven County, CT 06473

Latitude 41°23'46.93" Longitude -72°51'27.67"

Structure Information:

Tower Height & Type:

120.0 ft Monopole

Mount Elevation:

115 ft

Mount Type:

12.5 ft Platform w/ Handrails

Dear Darcy Tarr,

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

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

#### Platform w/ Handrails

Sufficient

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.

Respectfully submitted by:

David Craft, EIT Project Engineer I Reviewed by:

Krystyn M. Perez, PE

Vice President, Structural Engineering

CT PE License No. 32975

MINIMUM COMMENTAL No. - 
10/29/2019

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#### 2) ANALYSIS CRITERIA

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#### 3) ANALYSIS PROCEDURE

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3.2) Assumptions

#### 4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity 4.1) Recommendations

#### 5) APPENDIX A

Wire Frame and Rendered Models

#### 6) APPENDIX B

Software Input Calculations

#### 7) APPENDIX C

Software Analysis Output

#### 1) INTRODUCTION

This is a 12.5' Platform Mount w/ Handrails designed by Site Pro 1.

#### 2) ANALYSIS CRITERIA

TIA-222 Revision:

TIA-222-H

**Risk Category:** 

11

**Ultimate Wind Speed:** 

125 mph

**Exposure Category:** 

В

Topographic Factor at Base:

**Topographic Factor at Mount:** 

1 1

Ice Thickness:

1.5 in

Wind Speed with Ice:

50 mph

Seismic S<sub>s</sub>:

0.184

Seismic S<sub>1</sub>:

0.062

Live Loading Wind Speed: Man Live Load at Mid/End-Points: 250 lb

30 mph

Man Live Load at Mount Pipes:

500 lb

Table 1 - Proposed Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details					
		3	commscope	CBC78T-DS-43-2X	***************************************					
	117.0	6	commscope	JAHH-65B-R3B						
		417.0	117.0	117.0	117.0	3	commscope	SSPX310R	12.5' Platform	
115.0						6	decibel	DB844G65ZAXY	w/ Handrails	
115.0		2	rfs celwave	DB-T1-6Z-8AB-0Z	Site Pro 1 P/N   RMQP-4096-					
		3	samsung telecommunications	20W CBRS	HK1					
		3	samsung telecommunications	RFV01U-D1A						
		3	samsung telecommunications	RFV01U-R2A						

#### 3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Table E Boodificito i Toriaca			
Document	Remarks	Reference	Source
4-MOUNT MANUFACTURE DRAWINGS	Site Pro 1	DWG. NO. RMQP-4096-HK	On File
LOADING ORDER	Verizon Wireless	Order 506770 Rev. 0	CCISITES
4-MOUNT REINFORCEMNT DESIGN/DRAWINGS/DATA	All-Points Technology Corporation, P.C.	8729646	CCISITES

#### 3.1) Analysis Method

RISA-3D (version 17.0.4), a commercially available analysis software package, was used to create a threedimensional model of the antenna mounting system and calculate member stresses for various loading cases.

FDH Infrastructure Services, LLC Mount Analysis Tool v5.1.6, a tool internally developed FDH Infrastructure Services, LLC, was used to calculate member loading for various load cases. Selected output from the analysis is included in Appendix B.

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

#### 3.2) Assumptions

- The antenna mounting system was properly fabricated, installed and maintained in good condition in accordance with its original design and manufacturer's specifications.
- The configuration of antennas, mounts, and other appurtenances are as specified in Table 1 and the referenced drawings.
- 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.
- Steel grades have been assumed as follows, unless noted otherwise:

Channel, Solid Round, Angle, Plate

HSS (Rectangular)

Pipe

Connection Bolts

ASTM A36 (GR 36)

ASTM 500 (GR B-46)

ASTM A53 (GR 35)

ASTM A325

This analysis may be affected if any assumptions are not valid or have been made in error. FDH Infrastructure Services, LLC should be notified to determine the effect on the structural integrity of the antenna mounting system.

#### 4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (Platform w/ Handrails)

Notes	Component	Critical Member	Centerline (ft)	% Capacity <sup>3</sup>	Pass / Fail
1	Face Horizontal(s)	HA	115.0	19.4	Pass
1	Standoff Member(s)	S4	115.0	13.4	Pass
1	Bracing Member(s)	CB3	115.0	46.3	Pass
1	Handrail(s)	HRC	115.0	53.5	Pass
1	Kicker Support	K2	115.0	10.0	Pass
1	Mount Pipes	PMA3	115.0	32.7	Pass
1, 2	Mount to Tower Connection	-	115.0	17.9	Pass

Structure Rating (max from all components) =	53.5 <sup>3</sup>
,	

Notes:

- See additional documentation in "Appendix C Software Analysis Output" for calculations supporting the % capacity.
- See additional documentation in "Appendix B Software Input Calculations" for calculations supporting the % capacity. 2)
- Rating per TIA-222-H Section 15.5

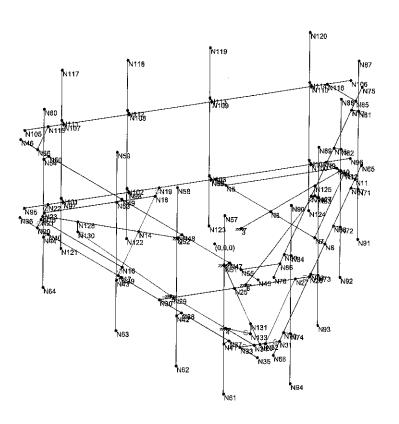
#### 4.1) Recommendations

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

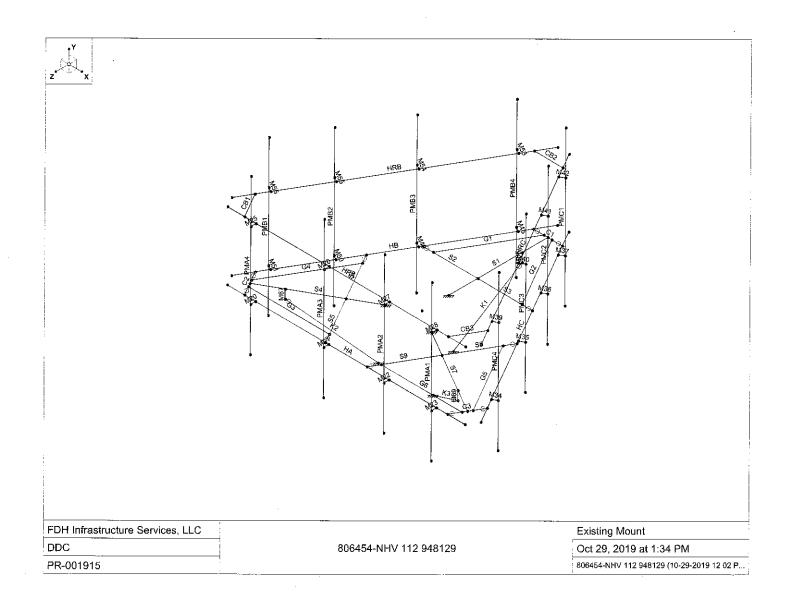
#### APPENDIX A

**WIRE FRAME AND RENDERED MODELS** 

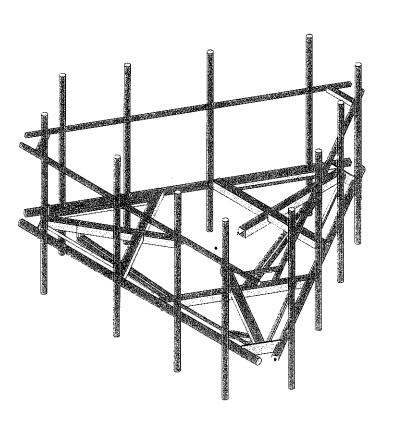




FDH Infrastructure Services, LLC		Existing Mount
DDC	806454-NHV 112 948129	Oct 29, 2019 at 1:34 PM
PR-001915		806454-NHV 112 948129 (10-29-2019 12 02 P







FDH Infrastructure Services, LLC		Existing Mount
DDC	806454-NHV 112 948129	Oct 29, 2019 at 1:35 PM
PR-001915		806454-NHV 112 948129 (10-29-2019 12 02 P

#### APPENDIX B

**SOFTWARE INPUT CALCULATIONS** 



#### Mount Analysis

Projec	t Information
Project Number:	PR-001915
Site Name:	NHV 112 948129
Site Number:	806454

Analys	is Parameters		
Tower Type:	TowerType	Monopole	-
Mount Status:	MountStatus	Existing	_
Mount Type:	MountType	Platform w/ Handrails	
Analysis Code:	Code	TIA-222-H	,
IBC Cade:	lincCode	2015 IBC	
Max Stress Ratio:	MaxStressRatio	100%	,
Tower Height:	Twitteight	120	ŕ
Effective Mount Centerline Height:	MntHeight	115	ft
RISA Y-Coordinate of Mount CL:	Mounty	21	in
Ultimate Wind Speed:	WindSpeed	125	mph
Maintenance Wind Speed:	MaintWind	30	mph
Design Ice Wind Speed:	keWind	50	mph
Ultimate Ice Thickness:	<i>lceThickness</i>	1.5	ln.
Risk Category:	RiskCat	=	
Exposure Category:	Erposure	8	-
Topographic Factor Kg:	Kzt	1	
Ss:	55 A	0,184	
51:	, <b>5 1</b>	0.062	-
Site Class:	SiteClass	D (assumed)	
Ground Elevation at Base of Structure:	75	0	ft
Roof Speed Up Factor:	Ks	AR BRAKETI	

Wind	Parameters		
Wind Speed:			
Sheilding Factor K <sub>s</sub> :	Ko	0.90	J-
Gust Factor G <sub>H</sub> :	Gh	3/ 2.00	-
Velocity Pressure Factor K <sub>e</sub> :	Kź	103	-
Wind Importance Factor I:	14、8534特别的	14 Sept. 18 15	-
Exist. Structure Reduction Factor Fw:	Ar Ar Ar	1.00	
Direction Probability Factor K <sub>d</sub> :	Kd	0.95	
Wind Pressure q.:	qz	39.08	psf
Maint, Wind Pressure q <sub>m</sub> ;	gme	2:25	psf
ice Wind Speed;			
Design Ice Thickness t.:	tiz	1.70	in
ice Height Escalation Factor K.:	Ktr	1213-113	_
ice importance Factor I:	100710	1.00	

Load Combinations
1.2D + 1.0Wo
1.2D + 1.0Di + 1.0Wi
1.40
1.20 + 1.5Lm + 1.0Wm
1.20 + 1.5Lv
120 + 10Fh

Considered Wind Directions								
0", 30", 60", 90", 120", 150", 180", 210", 240",								
270", 300", 330"								

Ma	intenance Loac	is .
	Mounts, L <sub>M</sub> (lbs):	500
Hori	zontals, اینا (lbs):	250
Mon	imum Daflactic	The same
Max	imum Deflectic	ns
Max Vertical	imum Deflectio	ns Twist
	_	

Tie-Back End Reactions									
Member Label	Joint Label at BC	Resultant (lbs)							

Connection Summary												
Node Label	Bolt Quantity	Bolt Diameter	Bolt Type	Tu	ФТп	Vu	ΦVn	Controlling	Stress Ratio	Pass/Fail		
Nobe Label	act quality	(in)	Bull Type	(kips)	(kips)	(kips)	(kips)	LC	akress Racio	rassyran		
Е.	1 1	0.625	ASSESS	2.01	20.24	2.42	12.03	22	17.0%	Baira		

Overali Max Stress Ratio 53.5%

Pass

	Section Sets !	Summary				
Section Set	Member	Member Label	Controlling	LC	Stress Ratio	Pass/Fa
A Face Horizontal	PIPE_3.0	HA	Shear	1	19.4%	Pass
6 Face Horizontal	PIPE_3.0	HB	Bending	3	18.2%	Pass
C Face Horizontal	PIPE_3.0	HC	Bending	7	18.1%	: Pass
Stand Off	HS\$4X4X4	. 54	Bending	12	13.4%	Pass
Corner Gusset	PL6x1/2	(3	Bending	5	22.7%	Pass
Grating Support	. L2x2x3	G6	Bending	218	38.5%	Pass
A Pipe Mount	PIPE_2.5	EAMS	Bending	8	32.7%	Pass
B Pipe Mount	PIPE_2.5	PM93	Bending	2	31.9%	Pass
C Pipe Mount	PIPE_2.5	PMC3	Bending	- 6	30.8%	Pass
A Hand Rail	PIPE_2.0	HRA	Sending	6	. 52.6%	Pass
9 Hand Rail	PIPE_2.0	HRB	Bending	12	50.4%	Pass
C Hand Rail	PIPE_2.0	HRC	Bending	- 2	53.5%	Pass
Hand Rail Corner Brace	L2.5x2.5x4	CB3	Bending	6	46.3%	Pass
Kickers	LL2.5x2.5x3x6	K2	Bending	21	10.0%	Pass
			1		1	· · · · · · · · · · · · · · · · · · ·
			T		1	
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	•				1	

#### Site Specific Appurtenances:

:	Include Loading (Yes/No)	Manufacturer	Model	Member Label	Түре		Absolute Azimuth (dog)	Centerline Elevation (ft)	Height [in]	Width (in)	Dopth (in)	Weight (lbs)	Ice Weight (lbs)	CaAs Front No Ice (ft <sup>2</sup> )	CaAa Front Ice (R <sup>2</sup> )	CaAa Side No Ice (ft <sup>7</sup> )	CaAa Side Ite (ft²)
1	Yes	decibel	D8844G65ZAXY	PM41	Antenna	1	0.00	117.00	48.0	10.0	8.0	16.0	136.47t	4,341	6.023	3.615	5.246
2	Yes	commscape	CBC78T-DS-43-2X	PMA1	Other	1	0.00	117.00	6.4	6.9	9.6	20.7	35.673	0.368	0.841	0.512	1.061
3	Yes	commscope	JAJIH-65B-R3B	PMA2	Antenna	2	0.00	117.00	72.0	13.8	8.2	63.3	284,447	9.113	11.561	5.983	8.368
4	Yes	commscopa	BSAMINT-SBS-2-2	PMA2	Other	1	0,00	119.SD	4.0	24.0	6.0	13.0	31.298	0.800	1.689	· 0.200	0.580
5	ves.	commscope	B5AMNT-SBS-2-2	PMA2	Other	1	0.00	114.50	4.0	Z4.D	6.Q	13.0	31.298	0.800	1,689	0.200	0.580
. 6	Yes	rfs celwave	DB-T1-6Z-8AB-0Z	PMA2	Other	1	0.00	117.00	24.0	24.0	10.0	44.D	159,023	4.800	6,256	2,000	3.059
7	Yes	samsung telecommunications	RFV01U-D1A	PMA2	Other	1	0.00	117.00	15.0	15.0	10.0	84.4	135.599	1.875	2.821	1.250	2.054
. 8	Yes	commscope	SSPX310R	PMA3	Antenna	1	0.00	117.00	29.5	8.11	4.5	t6.5	89,635	2.901	4.167	1,272	2,299
9	₹e5	rfs celwave	D8-T1-6Z-8A8-0Z	PMA3	Other	1	0.00	117.00	24.0	24.0	10.0	44.0	159.023	4,800	6.256	2.0D0	3.059
10	Yes	decibel	DBB44G65ZAXY	PMA4	Antenna	1	0.00	117.00	48.0	10.0	8.0	16.0	136.471	4.341	6.023	3.615	5.246
11	Ves	samsung telecommunications	20W CBRS	PMA4	Other	. t	0.00	117.0D	12.1	8.5	4.1	18.6	41.955	0.857	1.537	D.420	0.969
12	Yes	decibel	DB844G65ZAXY	PMB1	Antenna	1	120.00	117.00	48.0	10.0	8.0	16.0	136,471	4.341	6.073	3.615	5.246
13	ves.	tamsung telecommunications	RFV01U-D1A	PM B1	Other	1	120.00	117.00	15.G	15.0	10.0	84.4	135.599	1.875	2.821	1.250	2.054
14	Yes	commscope	JAHM-65B-R3B	PM82	Antenna	2	120.00	117.00	72.0	13.8	8.2	63.3	284.447	9.113	11.561	5.983	8.368
15	ves	commscope	BSAMNT-SBS-2-2	PMB2	Other	1	120,00	119.50	4.0	24.0	6.0	13.0	31,298	0.800	1,689	0.200	0.580
16	Yes	commscope	BSAMNT-5BS-2-2	PMBZ	Other	1	120.00	114.50	4.0	24.0	6.0	13.0	31.298	0.800	1.689	0.200	0.580
17	'/es	commissope	CBC78T-DS-43-2X	PMB2	Other	L	120.00	117.00	6.4	6.9	9.6	20.7	35,673	0.368	0.841	0.512	1.061
18	Yes	samsung telecommunications	RFV01U-01A	PMB2	Other	1	120.00	117.00	15.0	15.0	10.0	84.4	135.599	1.875	2.321	1,250	2.054
. 19	Yes	commscope ;	: 55PX31OR	PM 83	Antenna	1	120.00	117.00	29.5	11.8	4.5	16.5	99.635	2,901	4.167	1.272	2.299
20	Yes	samsung telecommunications	RFV01U-D2A	PM83	Other	1	120.00	117.00	15.0	15.0	8.1	70.3	118,954	1.875	2.821	1.013	1.763
21	ves	decibel	D8844G657,AXY	PM 84	Antenna	1	120.00	117.00	48.0	10.0	8.0	15.D	136,471	4.341	6.023	3.615	5.246
- 22	Yes	commscope	C8C78T-DS-43-2X	PM84 -	Other	1	120.00	117.00	6.4	6.9	9.6	20.7	35.673	0.368	0.841	0.512	1.061
23	Ves .	deabel	DB844G65ZAXY	PVIC1 .	Antenna	1	240.00	117.00	48.0	10.0	8.0	15.0	136.471	4,341	6.023	3,515	5.246
24	Yes	samsung telecommunications	RFVD1U-D2A	PMC1	Other	1	240.00	117.00	15.D	15.0	B.1	70.3	118,954	1.875	2.821	1.013	1.763
25	Yes	commscope	JAIDI-658-R3B	PMC2	Antenna	2	240.00	117.00	72.0	13.8	3.2	63.3	284,447	9,113	11.561	5.983	8.358
26	Yes	commscope	BSAMNT-SBS-2-2	PM C2	Other	1	240.00	119.50	4.0	24.0	6.0	13.0	31.298	0.600	1.689	0.200	0.530
27	Ves	commscope	BSAMINT-SBS-2-2	PMC2	Other	1	240.00	114.50	4.0	Z4.0	6.0	13.0	31,298	0.800	1.689	0.200	0.580
28	Yes	samsung telecommunications	20W CBRS	PMCZ	Other	1	240.00	117.00	12.1	8.5	4.1	18.6	41.955	0.857	1.537	6.420	0.969
29	Ves	samsung telecommunications	RFV01L-D2A	PMC2	Other	1	240.00	117.00	15.0	15.0	8.1	70.3	118.954	1.875	2.821	1.013	1.763
30	Yes	commiscope	SSPX31DR	PMC3	Antenna	1	Z40.00	117.00	29.5	11.3	4.5	16.5	89.635	2.901	4.167	1.272	2,299
31	Ves	samsung telecommunications	20W CBRS	PMC3	Other	1	240.00	117.00	12.1	A.S	4.1	18.6	41.915	0.857	1.537	0.420	0.969
32	Yes	decibel	DBB44G65ZAXY	PMC4	Antenna	1	240.00	117.00	48.0	10.0	8.0	16.0	136.471	4.34] .	6.023	3.615	5.246

### APPENDIX C SOFTWARE ANALYSIS OUTPUT



Company : FDH Infrastructure Service
Designer : DDC
Job Number : PR-001915
Model Name : 806454-NHV 112 948129

: FDH Infrastructure Services, LLC

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#### (Global) Model Settings

RISA-3D Version 17.0.4

	-
Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P - Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	Yes
Max Iterations for Wall Stiffness	3
Gravity Acceleration (in/sec^2)	386.4
Wall Mesh Size (in)	12
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Υ
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver
	1.00
Hot Rolled Steel Code	AISC 15th(360-16): LRFD
Adjust Stiffness?	Yes(Iterative)
RISAC onnection Code	AISC 14th(360-10): LRFD
Cold Formed Steel Code	AISI S100-10: ASD
Wood Code	AWC NDS-12: ASD
Wood Temperature	< 100F
Concrete Code	ACI 318-11
Masonry Code	ACI 530-11: ASD
Aluminum Code	AA ADM 1-10: ASD - Building
Stainless Steel Code	AISC 14th(360-10): ASD
Adjust Stiffness?	Yes(Iterative)
Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	No
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR SET ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8



Company : FDH Infrastr Designer : DDC Job Number : PR-001915 Model Name : 806454-NHV

: FDH Infrastructure Services, LLC

: 806454-NHV 112 948129

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#### (Global) Model Settings, Continued

Seismic Code	ASCE 7-10
Seismic Base Elevation (in)	Not Entered
Add Base Weight?	Yes
CtX	.02
CtZ	.02
TX (sec)	Not Entered
T Z (sec)	Not Entered
RX	3
R Z	3
Ct Exp. X	.75
Ct Exp. Z	.75
SD1	1
SDS	1
\$1	1
TL (sec)	5
Risk Cat	l or II
Drift Cat	Other
Om Z	1
Om X	1
CdZ	4
CdX	4
Rho Z	1
Rho X	1

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E	Density[k/ft	. Yield[ksi]	Ry	Fu <b>[</b> ksi]	Rt
_ 1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
_ 2	A572 G r.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
3	A992	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

#### General Material Properties

. <u>-</u>	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]
1	gen_Conc3NW	3155	1372	.15	.6	.145
_ 2	gen Conc4NW	3644	1584	.15	.6	.145
3	gen Conc3LW	2085	906	.15	.6	.11
4	gen Conc4LW	2408	1047	.15	.6	.11
5	gen_Alum	10600	4077	.3	1.29	.173
6	gen_Steel	29000	11154	.3	.65	.49
7	R IG ID	1e+6		.3	0 .	0

#### Material Takeoff

	Material	Size	Pieces	Length[in]	Weight[K]
1	G eneral		,	1	,
2	R IG ID		27	92.9	0



Company : FDH Infrastructure Service
Designer : DDC
Job Number : PR-001915
Model Name : 806454-NHV 112 948129

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Material Takeoff (Continued)

	Material	Size	Pieces	Length[in]	Weight[K]
3	Total General		27	92.9	_ 0
4					
5	Hot Rolled Steel				
6	A36 Gr.36	LL2.5x2.5x3x6	3	151.4	.077
7	A36 Gr.36	L2.5x2.5x4	3	54.2	<u>.018</u>
8	A36 Gr.36	L2x2x3	6	306.1	.063
9	A36 Gr.36	PL6x1/2	3	54.7	.047
10	A500 Gr.B Rect	HSS4X4X4	9	395.3	.406
11	A53 Gr.B	PIPE 2.0	3	450.1	.13
12	A53 Gr.B	PIPE 2.5	12	1152	.526
13	A53 Gr.B	PIPE 3.0	3	4 <u>5</u> 0.1	.264
14	Total HR Steel		42	3014	1.531

Member Primary Data

RISA-3D Version 17.0.4

	Label	I J oint	J Joint	K Joint	Rotate (d	S ection/Shape	Туре	Des ign List	Material	Design Rul
1	S1	3	N4			Stand Off	Beam	SquareTube		Typical
2	S2	N3	N6			Stand Off	Beam	SquareTube	A500 Gr	Typical_
3	\$3	N3	N8			Stand Off	Beam	SquareTube		Typical
4	\$4	2	N 15			Stand Off	Beam	SquareTube		Typical
5	S5	<sup>†</sup> N14	N 17			Stand Off	Beam	SquareTube		
6	S6	N14	N 19			Stand Off	Beam	SquareTube		
. 7	S7	1	N26			Stand Off	Beam	SquareTube		
8	S8	N25	N28			Stand Off	Beam	SquareTube		
9	S9	N25	N30			Stand Off	Beam	SquareTube		
10	M20	N40	N44			R IG ID	None	None	R IG ID	Typical
11	M21	N39	N43	:		R IG ID	None	None	RIGID	Typical
12	M22	N38	N42			R IG ID	None	None	RIGID	Typical
13	M23	N37	N41			R IG ID	None	None	RIGID	Typical
14	M25	N50	N54			R IG ID	None	None	RIGID	Typical
15	M26	N49	N53	:		R IG ID	None	None	RIGID	Typical
16	M27	N48	N52			R IG ID	None	None	RIGID	Typical
17	M28	N47	N51			R IG ID	None	None	RIGID	Typical
18	M34	N70	N74			R IG ID	None	None	RIGID	Typical
19	M35	N69	N73			R IG ID	None	None	RIGID	Typical_
20	M36	N 68	N72			R IG ID	None	None	RIGID	Typical
21	M37	N67	N71			R IG ID	None	Non <u>e</u>	RIGID	Typical
22	M39	N80	N84			R IG ID	None	None	RIGID	Typical
23	M40	N79	N83		1	R IG ID	None	None	RIGID	Typical
24	M41	N78	N82			R IG ID	None	None	RIGID	Typical
25	M42	N77	N81			<u>R</u> IGID	None	None	RIGID	Typical
26	M48	N 100	N 104			R IG ID	None	None	RIGID	Typical
27	M49	N99	N103			R IG ID	None	None	RIGID	Typical
28	M50	N98	N 102			R IG ID	None	None	RIGID	Typical
29	M51	N97	N101			R IG ID	None	None	RIGID_	Typical
30	M53	N110	N114			R IG ID	None	None	RIGID	_Typical
31	M54	N109	N113			<u>R</u> IG ID	None	None	RIGID	Typical
32	M55	N108	N112			R IG ID	None	None	RIGID	Typical
33	M56	N 107	N111			R IG ID	None	None	RIGID	Typical
34	M65	N125	N127			R IG ID	None	None	RIGID	Typical
35	M67	N128	N130		:	R IG ID	None	None	RIGID	Typical



Company : FDH Infrastr Designer : DDC Job Number : PR-001915 Model Name : 806454-NHV

: FDH Infrastructure Services, LLC : DDC

: 806454-NHV 112 948129

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Member Primary Data (Continued)

	Label	1 Joint	J Joint	K Joint	Rotate(d	Section/Shape	Type	Design List	Material	Design Rul
36	M69	N131	N133			R IG ID	None	None	RIGID	Typical
37	K1	N127	- 6			Kickers	VBrace	Double Angl	A36 Gr.36	Typical
38	K2	N130	5			Kickers	VBrace	Double Angl	A36 Gr.36	
39	K3	N133	4			Kickers	VBrace	Double Angl	A36 Gr.36	Typical
40	CB1	N 56	N115		180	Hand Rail Corner Brace	HBrace	Single Angle	A36 Gr.36	Typical
41	CB2	N116	N85		180	Hand Rail Corner Brace	HBrace	Single Angle		. , , ,
42	CB3	N86	N 55		180	Hand Rail Corner Brace	HBrace	Single Angle		
43	G 1	N5	N10			Grating Support	HBrace	Single Angle	A36 Gr.36	Typical
44	G2	N7	N12		270	Grating Support	HBrace	Single Angle		. , ,
45	G3	N 16	N21			Grating Support	HBrace	Single Angle		Typical
_46	G4	N18	N23		270	Grating Support	HBrace	Single Angle	A36 Gr.36	Typical
47	G 5	N27	N32			Grating Support	HBrace	Single Angle	A36 Gr.36	Typical
48	_ G6	N29	N34		270	Grating Support	HBrace		A36 Gr.36	Typical
49	C 1	N9	N11			Corner Gusset	HBrace	RECT	A36 Gr.36	Typical
50	C2	N20	N22			Corner Gusset	HBrace	RECT	A36 Gr.36	Typical
51	C3	N31	N33			Corner Gusset	HBrace	RECT	A36 Gr.36	Typical
52	PMC1	N87	N91	**		C Pipe Mount	Column	Pipe	A53 Gr.B	Typical
_53_	PMC2	N88	N92			C Pipe Mount	Column	Pipe	A53 Gr.B	Typical
_54	PMC3	N 89	N93			C Pipe Mount	Column	Pipe	A53 Gr.B	Typical
55	PMC4	N90	N94			C Pipe Mount	Column	Pipe	A53 Gr.B	Typical
_56	HRC	N75	N76			C Hand Rail	HBrace	Pipe	A53 Gr.B	Typical
57	HC	N65	N66			C Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
58	PMB1	N117	N121			B Pipe Mount	Column	Pipe	A53 Gr.B	Typical
59	PMB2	N118	N122			B Pipe Mount	Column	Pipe	A53 Gr.B	Typical
60	PMB3	N119	N123			B Pipe Mount	Column	Pipe	A53 Gr.B	Typical
61	PMB4	N120	N 124		,	B Pipe Mount	Column	Pipe	A53 Gr.B	Typical
62	HRB	N 105	N 106			B Hand Rail	HBrace	Pipe	A53 Gr.B	Typical
63	HB	N95	N96			B Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
64	PMA1	N57	N61			A Pipe Mount	Column	Pipe	A53 Gr.B	Typical
65	PMA2	N 58	N62			A Pipe Mount	Column	Pipe	A53 Gr.B	Typical
_66	PMA3	N59	N63			A Pipe Mount	Column	Pipe	A53 Gr.B	Typical
67	PMA4	N60	N64			A Pipe Mount	Column	Pipe	A53 Gr.B	Typical
68	HRA	N45	N46			A Hand Rail	HBrace	Pipe	A53 Gr.B	Typical
69	HA	N35	N36	-		A Face Horizontal	Beam	Pipe	A53 Gr.B	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Loomp top[in]Loomp bot[in]L-torq	u Kyy	Kzz	Cb	Function
1	\$1	Stand Off	62.5	46.25	62.5	Lbyy	1	1		Lateral
2	S2	Stand Off	34.637			Lbyy	8.	.8		Lateral
3	S3	Stand Off	34.637			Lbyy	.8	.8		Lateral
4	\$4	Stand Off	62.5	46.25	62.5	Lbyy	1	1		Lateral
5	\$5	Stand Off	34.637			Lbyy	.8	.8		Laterai
6	S6	Stand Off	34.637			Lbyy	.8	.8		Lateral
7	S7	Stand Off	62.5	46.25	62.5	Lbyy	1	1		Lateral
. 8	\$8	Stand Off	34.637			Lbyy	.8	.8		Lateral
9	S9	Stand Off	34.637			Lbyy	.8	.8		Lateral
10	K1	Kickers	50.477				1	1		Lateral
11	K2	Kickers	50.477				1	1		Lateral
12	K3	Kickers	50.477				1	1		Lateral
13	CB1	Hand Rail C	18.062							Lateral



Company : FDH Infrastructure Services, LLC
Designer : DDC
Job Number : PR-001915
Model Name : 806454-NHV 112 948129

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Hot Rolled Steel Design Parameters (Continued)

	La bel	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	[Lcomp bot[in]	L-torqu	. Куу	Kzz	Cb	Function
14	CB2	Hand Rail C.	18.063									Lateral
15	CB3	Hand Rail C.	18.062						_		:	Lateral
16	G1	Grating Sup							.65	.65		Lateral
17	G 2	Grating Sup	51.017			1			.65	.65		Lateral
18	G 3	Grating Sup	51.023						.65	.65		Lateral
19	G 4	Grating Sup	51.017				1		.65	.65		Lateral
20	G 5	Grating Sup	51.017						.65	.65		Lateral
21	G 6	Grating Sup	51.023			:			.65	.65		Lateral
22	C1	Corner Gus	18.25	18.188	9.125				1	.8		Lateral
23	C 2	Corner Gus	18.25	18.188	9.125			!	1	.8		Lateral
24	C3	Corner Gus	18.25	18.188	9.125				1	.8		Lateral
25	PMC1	C Pipe Mount	96	42	42				1	1		La teral
26	PMC2	C Pipe Mount	96	42	42				1	1		Lateral
27	PMC3	C Pipe Mount	96	42	42				1	1		Lateral
28	PMC4	C Pipe Mount		42	42				1	1		Lateral
29	HRC	C Hand Rail		150	128.375	Lbyy			1	1	:	Lateral
30	HC	C Face Hori	150.032	150	51.02	Lbyy			1	1		Lateral
31	PMB1	B Pipe Mount	96	42	42				1	1		Lateral
32	PMB2	B Pipe Mount	96	42	42				1	1		Lateral
33	PMB3	B Pipe Mount	96	42	42				1	1	!	Lateral
34	PMB4	B Pipe Mount	96	42	42				1	1		Lateral
35	HRB	B Hand Rail	150.032	150	128.375	Lbyy			1	1	:	Lateral
36	НВ	B Face Hori	150.032	150	51.02	Lbyy			1	1		Lateral
37	PMA1	A Pipe Mount	96	42	42		:		1	1		Lateral
38	PMA2	A Pipe Mount	96	42	42				1	1		Lateral
39	PMA3	A Pipe Mount		42	42				1	1		Lateral
40	PMA4	A Pipe Mount	96	42	42				1	1		Lateral
41	HRA	A Hand Rail	150.032	150	128.375	Lbyy			1	1		Lateral
42	HA	A Face Hori	150.032	150	51.02	Lbyy			1	1		Lateral

#### Member Advanced Data

RISA-3D Version 17.0.4

	Label	IR eleas e	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl RatAnalysis	Inactive	Seismic
1	S1						Yes			None
2	S2		BenPIN				Yes			None
3	\$3	:	BenPIN				Yes			None
4	S4						Yes			None
5	S5	:	BenPIN			i	Yes			None
6	S6		BenPIN				Yes			None
7	\$7		•			:	Yes			None
8	\$8		BenPIN				Yes		<u>.</u>	None
9	S9		BenPIN				Yes	1		None
10	M20		***************************************				Yes	** NA **		None
11	M21					:	Yes	** NA **		None
12	M22	-					Yes	** NA **		None
13	M23						Yes	** NA **		None
14	M25		:				Yes	** NA **		None
15	M26		:	1			Yes	** NA **		None
16	M27						Yes	** NA **		None
17	M28		1	!			Yes	** NA **		None
18	M34						Yes	** NA **		None



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Member Advanced Data (Continued)

III CITI	DOI HUIT	anceu Da		· · · · · · · · · · · · · · · · · · ·						
	Label	IR eleas e	J Release	[Offset[in]	J Offset[in]	T/C Only		Defl RatAnalysis	Inactive	S eismic
19	M35					·	Yes	** NA **		None
20	M36						Yes	** NA **		None
21	M37			:			Yes	** NA **		None
22	M39						Yes	** NA **		None
23	M40						Yes	** NA **		None
24	M41				·		Yes	** NA **		None
25	M42						Yes	** NA **		None
26	M48						Yes	** NA **		None
27	M49		•				Yes	** NA **		None
28	M50						Yes	** NA **		None
29	M51	-!					Yes	** NA **		None
30	M53						Yes	** NA **		None
31	M54						Yes	** NA **		None
32	M55						Yes	** NA **		None
33	M56			:			Yes	** NA **		None
34	M65						Yes	** NA **		None
35	M67			,			Yes	** NA **		None
36	M69						Yes	** NA **		None
37	K1	BenPIN	1				Yes	** NA **		None
38	K2	BenPIN					Yes	** NA **	-	None
39	K3	BenPIN					Yes	** NA **		None
40	CB1	3,0711 111					Yes	** NA **		None
41	CB2	<del> </del>	-				Yes	** NA **		None
42	CB3	1					Yes	** NA **		None
43	G 1	•					Yes	** NA **		None
44	G 2	İ					Yes	** NA **		None
45	G 3	!					Yes	** NA **		None
46	G4						Yes	** NA **		None
47	G 5			<u> </u>			Yes	** NA **		None
48	G 6						Yes	** NA **		None
49	C1	BenPIN	BenPIN		!		Yes	** NA **		None
50	C 2	BenPIN	BenPIN	:			Yes	** NA **		None
51	C3	BenPIN	BenPIN			I.,	Yes	** NA **		None
52	PMC1	Delli IIV	BCIII III				Yes	** NA **		None
53	PMC2		<u> </u>				Yes	** NA **		None
54	PMC3						Yes	** NA **		None
55	PMC4		! !				Yes	** NA **		None
56	HRC	<del> </del>					Yes	** NA **		None
57	HC	<u> </u>					Yes	1 1 1 1 1		None
58	PMB1						Yes	** NA **		None
59	PMB2			<u> </u>			Yes	** NA **		None
60	PMB3			i			Yes	** NA **		None
61	PMB4				,	i	Yes	** NA **		None
62	HRB						Yes	** NA **		None
63	HB						Yes	INA		None
64	PMA1						Yes	** NA **		None
65	PMA2	-					Yes	** NA **		None
66	PMA3						Yes	** NA **		None
67	PMA4				·		Yes	** NA **		None
68	HRA		1			:	Yes	** NA **		None
			1 1				Yes	INA		None
69	HA	<u> </u>					res	<u></u>		NULLE



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#### Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R	A [in2]	lyy [in4]	Izz [in4]	J [in4]
<u>1</u>	A Face Horizontal	P <b>P</b> E_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2_	B Face Horizontal	P P E _ 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
3	C Face Horizontal	PPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
4	Stand Off	HSS4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Cross Brace	HSS4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
. 6	Corner Gusset	PL6x1/2	HBrace	RECT	A36 Gr.36	Typical	3	.063	9	.237
7	Grating Support	L2x2x3	HBrace	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
8	A Pipe Mount	P.P.E_2.5			A53 Gr.B	Typical	1.61	1.45	1.45	2.89
. 9	B Pipe Mount	PPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
_10_	C Pipe Mount	PPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	A Hand Rail	PPE_2.0	HBrace	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
12	B Hand Rail	P.P.E_2.0	HBrace	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
13	C Hand Rail	PPE_2.0	HBrace	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
14	Hand Rail Corner Brace	L2.5x2.5x4	HBrace	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
15	Kickers	LL2.5x2	<b>VBrace</b>	Double Angle (3/4	A36 Gr.36	Typical	1.8	3.09	1.07	.023

Joint Coordinates and Temperatures

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap
_ 1	(0,0,0)	0	0	0	0	
2	3	0	0	-16.6875	0	
3	N3	0	0	-35	0	
4	N4	0	0	-79.1875	0	
5	N5	-28.0625	0	-35	0	
. 6	N6	-34.636665	0	-35	0	
7	N7	28.0625	0	-35	0	
8	N8	34.636665	0	-35	0	
9	N9	-9.125	0	-79.1875	0	
10	N10	-2.5625	0	-79.1875	0	
11	N11	9.125	0	-79.1875	0	
12	N12	2.5625	0	-79.1875	0	
13	2	-14.451799	0	8.34375	0	
14	N14	-30.310889	0	17.5	0	
15	N 15	-68.578387	0	39.59375	0	
16	N16	-16.279639	0	41.802838	0	
17	N 17	-12.992557	0	47.496232	0	
18	N18	-44.342139	0	-6.802838	0	
19	N19	-47.629222	0	-12.496232	0	
20	N20	-64.015887	0	47.496232	0	
21	N21	-67.302969	0	41.802838	0	
22	N22	-73.140887	0	31.691268	0	
- 23	N23	-69.859637	0	37.37456	0	
24	1	14.451799	0	8.34375	0	
25	N25	30.310889	0	17.5	0	
26	N26	68.578387	0	39.59375	0	
27	N27	44.342139	0	-6.802838	0	
28	N28	47.629222	0	-12.496232	0	
29	N 29	16.279639	0	41.802838	0	:
30	N30	12.992557	0	47.496232	0	
31	N31	73.140887	0	31.691268	0	



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Joint Coordinates and Temperatures (Continued)

- 00///2	Coordinates and Te	imperatures (Con	tiiraca)			
	Label	X [n]	Y [in]	Z [in]	Temp [F]	Detach From Diap
32	N32	69.859637	0	37.37456	0	
33	N33	64.015887	0	47.496232	0	
34	N34	67.302969	0	41.802838	0	
35	N35	75.015887	0	47.496232	0	
36	N36	-75.015887	0	47.496232	0	
37	N37	57.015887	0	47.496232	0	
38	N38	27.015887	0	47.496232	0	
39	N39	-10.984113	0	47.496232	0	
40	N40	-56.984113	0	47.496232	0	
41	N41	57.015887	0	50.696232	0	
42	N42	27.015887	0	50.696232	0	
43	N43	-10.984113	0	50.696232	0	
44	N43 N44	-56.984113	0	50.696232	0	<del>-</del>
			42	47.496232	0	1
45	N45	75.015887			0	-
46	N46	-75.015887	42	47.496232		
47	N47	57.015887	42	47.496232	0	
48	N48	27.015887	42	47.496232	0	
49	N49	-10.984113	42	47.496232	0	
50	N50	-56.984113	42	47.496232	0	
51	N51	57.015887	42	50.696232	0	
52	N 52	27.015887	42	50.696232	0	
53	N 53	-10.984113	42	50.696232	0	
54	N54	-56.984113	42	50.696232	0	
55	N 55	64.203387	42	47.496232	0	
56	N 56	-64.203387	42	47.496232	0	
57	N57	57.015887	69	50.696232	0	
58	N 58	27.015887	69	50.696232	0	
59	N 59	-10.984113	69	50.696232	0	:
60	N60	-56.984113	69	50.696232	0	
61	N61	57.015887	-27	50.696232	0	<u> </u>
62	N62	27.015887	-27	50.696232	0	
63	N 63	-10.984113	-27	50.696232	0	
64	N64	-56.984113	-27	50.696232	0	
65	N65	3.625	0	-88.713779	0	!
66	N66	78.640887	0	41.217548	Ö	
67	N67	12.625	0	-73.125322	0	
		27.625	0	-47.14456	- 0	
68	N68					
69	N69	46.625	0	-14.235595	0	
70	N70	69.625	0	25.601574	0	
71	N71	15.396281	0	-74.725322	0	
72	N72	30.396281	0	-48.74456	0	
73	N73	49.396281	0	-15.835595	0	
74	N74	72.396281	0	24.001574	0	
75	N75	3.625	42	-88.713779	0	
76	N76	78.640887	42	41.217548	0	
77	N77	12.625	42	-73.125322	0	
78	N 78	27.625	42	-47.14456	0	
79	N 79	46.625	42	-14.235595	0	
80	N 80	69.625	42	25.601574	0	
81	N81	15.396281	42	-74.725322	0	
82	N82	30.396281	42	-48.74456	0	
83	N83	49.396281	42	-15.835595	0	
			: <del>_</del>	,		



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Joint Coordinates and Temperatures (Continued)

	Label	X [n]	Y [in]	Z [in]	Temp [F]	Detach From Diap
84	N84	72.396281	42	24.001574	0	
85	N85	9.03125	42	-79.34988	0	
86	N86	73.234637	42	31.853648	0	
87	N87	15.396281	69	-74.725322	0	
88	N88	30.396281	69	-48.74456	0	
89	N 89	49.396281	69	-15.835595	0	
90	N90	72.396281	69	24.001574	0	
91	N91	15.396281	-27	-74.725322	0	
92	N92	30.396281	-27	-48.74456	0	
93	N93	49.396281	-27	-15.835595	0	
94	N94	72.396281	-27	24.001574	0	
95	N95	-78.640887	0	41.217548	0	
96	N96	-3.625	0	-88.713779	0	
97	N97	-69.640887	0	25.62909	0	
98	N98	-54.640887	0	-0.351672	0	
99	N 99	-35.640887	0	-33.260637	0	
100	N100	-12.640887	0	-73.097806	0	
101	N101	-72.412168	. 0	24.02909	0	
102	N102	-57.412168	0	-1.951672	0	
103	N103	-38.412168	0	-34.860637	0	
104	N104	-15.412168	0	-74.697806	0	
105	N 105	-78.640887	42	41.217548	0	
106	N 106	-3.625	42	-88.713779	0	
107	N 107	-69.640887	42	25.62909	0	
108	N 108	-54.640887	42	-0.351672	0	
109	N 109	-35.640887	42	-33.260637	0	
110	N110	-12.640887	42	-73.097806	0	
111	N111	-72.412168	42	24.02909	0	
112	N112	-57.412168	42	-1.951672	Ö	
113	N113	-38.412168	42	-34.860637	0	
114	N114	-15.412168	42	-74.697806	0	<del></del>
115	N115	-73.234637	42	31.853648	0	
116	N116	-9.03125	42	-79.34988	0	
117	N117	-72.412168	69	24.02909	0	
118	N118	-57.412168	69	-1.951672	0	"
119	N119	-38.412168	69	-34.860637	0	
120	N120	-15.412168	69	-74.697806	0	
121	N121	-72.412168	-27	24.02909	0	
122	N122	-57.412168	-27	-1.951672	0	
123	N123	-38.412168	-27	-34.860637	Ŏ	
123	N124	-15.412168	-27	-74.697806	0	
125	N 124 N 125	-13.412.108	0	-62.9375	0	
	·····	0	-31.8125	-19.9375	0	
126	6 N127	0	-51.6125 -5.375	-62.9375	0	-
127		-54.505474	<u>-5.375</u>	31.46875	0	
128	N128	-17.266381	-31.8125	9.96875	0	:
129	5 N430	-54.505474	-51.6125 -5.375	31.46875	0	
130	N130		5.375 0	31.46875	0	<u> </u>
131	N131	54.505474 17.266381	-31.8125	9.96875	0	
132	<u>4</u>				0	
133	N 133	54.505474	-5.375	31.46875	U	<u>i_</u>



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Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	6	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	5	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	4	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
4	3	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
. 5	2	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
6	1	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Joint Loads and Enforced Displacements

Joint Label	L,D,M	Direction	Magnitude ((k,k-ft), (in,rad), (k*s^2/i
	No Data to Print	t	

Member Point Loads (BLC 1: Wind 0 Deg - No Ice)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in, %]
1	PMA1	Z	076	0
2	PMA1	Z	076	%50
3	PMA1	Z	013	%25
4	PMA2	Z	321	0
5	PMA2	Z	321	%62.5
6	PMA2	Z	169	%25
7	PMA2	Z	066	%25
8	PMA3	Z	051	%9.635
9	PMA3	Z	051	%40.365
10	PMA3	Z	169	%25
11	PMA4	Z	076	0
12	PMA4	Z	076	%50
- 13	PMA4	Z	03	%25
14	PMB1	Z	067	0
15	PMB1	Z	067	%50
16	PMB1	Z	049	%25
17	PMB2	Z	238	. 0
18	· PMB2	Z	238	%62.5
19	PMB2	Z	005	0
20	PMB2	Z	005	%56.25
- 21	PMB2	. Z	017	%25
22	PMB2	Z	049	%25
23	PMB3	Z	03	%9.635
24	PMB3	Z	03	%40.365
25	PMB3	Z	043	<b>%2</b> 5
26	PMB4	Z	067	0
27	PMB4	Z	067	%50
28	PMB4	Z	017	%25
29	PMC1	Z	067	0
30	PMC1	Z	067	%50
31	PMC1	Z	043	%25
32	PMC2	Z	238	0
33	PMC2	Z	238	%62.5
34	PMC2	Z	005	0
35	PMC2	Z	005	%56.25



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## Member Point Loads (BLC 1: Wind 0 Deg - No Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
36	PMC2	Z	019	<b>%2</b> 5
37	PMC2	Z	043	%25
38	PMC3	Z	03	%9.635
39	PMC3	Z	03	%40.365
40	PMC3	Z	019	%25
41	PMC4	Z	067	0
42	PMC4	Z	-,067	%50

#### Member Point Loads (BLC 2: Wind 30 Deg - No Ice)

MICHIDO	FORREDAUS (DEC 2. V	viilu 30 Deg - NO ice	/	
	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
1	PMA1	X	.037	0
2	PMA1	Z	063	0
3	PMA1	X	.037	%50
4	PMA1	Z	063	%50
5	PMA1	X <sup>c</sup>	.007	%25
6	PMA1	Z	012	%25
7	PMA2	X	.147	0
8	PMA2	Z	254	0
9	PMA2	X	.147	%62.5
10	PMA2	Z	254	%62.5
11	PMA2	X	.000879	0
12	PMA2	Z	002	0
13	PMA2	X	.000879	%56.25
14	PMA2	Z	002	%56.25
15	PMA2	Χ	.072	%25
16	PMA2	Z	125	%25
17	PMA2	Х	.03	%25
18	PMA2	Z	052	%25
19	PMA3	Х	.022	%9.635
20	PMA3	Z	038	%9.635
21	PMA3	Χ	.022	%40.365
22	PMA3	Z	038	%40.365
23	PMA3	X	.072	%25
24	PMA3	Z	125	%25
25	PMA4	Х	.037	0
26	PMA4	Z	063	0
27	PMA4	X	.037	%50
28	PMA4	Z	063	%50
29	PMA4	X	.013	%25
30	PMA4	Z	023	%25
31	PMB1	. X	.032	0
32	PMB1	Z	055	0
33	PMB1	X	.032	%50
34	PMB1	Z	055	%50
35	PMB1	X	.022	%25
36	PMB1	Z	038	%25
37	PMB2	X	.105	0
38	PMB2	Z	182	0
39	PMB2	X	.105	%62.5
40	PMB2	Z	182	%62.5
41	PMB2	X	.004	0



Des igner

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Member Point Loads (BLC 2: Wind 30 Deg - No Ice) (Continued)

member Form Loads (blc 2. Will 30 Deg - No key (Communed)						
	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]		
42	PMB2	Z	006	0		
43	PMB2	X	.004	%56.25		
44	PMB2	Z	006	%56.25		
45	PMB2	X	.009	%25		
46	PMB2	Z	016	<b>%2</b> 5		
47	PMB2	Х	.022	<b>%2</b> 5		
48	PMB2	Z	038	%25		
49	PMB3	X	.011	%9.635		
50	PMB3	Z	019	%9.635		
51	PMB3	X	.011	%40.365		
52	PMB3	Z	019	%40.365		
53	PMB3	X	.018	%25		
54	PMB3	Z	031	%25		
55	PMB4	X	.032	0		
56	PMB4	Z	055	0		
57	PMB4	X	.032	%50		
58	PMB4	Z	055	%50		
59	PMB4	Х	.009	%25		
60	PMB4	Z	016	%25		
61	PMC1	Х	.037	0		
62	PMC1	Z	063	0		
63	PMC1	X	.037	%50		
64	PMC1	Z	063	%50		
65	PMC1	X	.029	%25		
66	PMC1	Z	051	%25		
67	PMC2	Χ	.147	0		
68	PMC2	Z	254	0		
69	PMC2	Χ	.147	%62.5		
70	PMC2	Z	254	%62.5		
71	PMC2	X	.000879	0		
72	PMC2	Z	002	0		
73	PMC2	X	.000879	%56.25		
74	PMC2	Z	002	%56.25		
75	PMC2	X	.013	%25		
76	PMC2	Z	023	%25		
77	PMC2	Х	.029	%25		
78	PMC2.	Z	051	%25		
79	PMC3	Χ	.022	%9.635		
80	PMC3	Z	038	%9.635		
81	PMC3	X	.022	%40.365		
82	PMC3	Z	038	%40.365		
83	PMC3	X	.013	%25		
84	PMC3	Z	023	%25		
_85	PMC4	X	.037	0		
86	PMC4	Z	063	0		
87	PMC4	Х	.037	%50		
88	PMC4	Z	063	%50		

Member Point Loads (BLC 3: Wind 60 Deg - No &e)

	Member Label	Direction		Magnitude [k,k-ft]	Location [in,%]	
1	PMA1	X	1	.058	 0	



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Member Point Loads (BLC 3: Wind 60 Deg - No te) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
- 2	PMA1	Z	033	0
3	PMA1	X	.058	%50
4	PMA1	Z	033	%50
5	PMA1	X	.015	%25
6	PMA1	Z	008	%25
7	PMA2	X	.206	0
8	PMA2	Z	119	0
9	PMA2	X	.206	%62.5
10	PMA2	Z	119	%62.5
11	PMA2	X	.005	0
12	PMA2	Z	003	0
13	PMA2	X	.005	%56.25
14	PMA2	Z	003	%56.25
15	PMA2	X	.082	%25
16	PMA2	Z	047	%25
17	PMA2	X	.043	%25
18	PMA2	Z	025	%25
19	PMA3	X	.026	%9.635
20	PMA3	Z	015	%9.635
21	PMA3	X	.026	%40.365
22	PMA3	Z	015	%40.365
23	PMA3	X	.082	%25
24	PMA3	Z	047	%25 %25
25	PMA4	X	.058	0
26	PMA4	Z	033	0
27	PMA4	X	.058	%50
28	PMA4	Z	033	%50 %50
29	PMA4	X	.016	%25
30	PMA4	Z	009	%25
31	PMB1	X X	.058	
32	PMB1	Z	033	0
33	PMB1	X	.058	%50
34	PMB1	Z	033	%50 %50
35	PMB1	X	.043	%25
36	PMB1	Z	025	%25
37	PMB2	X		
38			.206	0
39	PMB2	Z X	119	0
40	PMB2 PMB2	Λ 7	.206	%62.5
		Z	119	%62.5
41	PMB2 PMB2	Z	.005	0
42	PMB2		003	0
		X	.005	%56.25
44	PMB2	Z	003	%56.25
45	PMB2	X	.015	%25 °4.05
46	PMB2	Z	008	%25
47	PMB2	X	.043	%25
48	PMB2	Z	025	%25
49	PMB3	X	.026	%9.635
50	PMB3	Z	015	<u>%9.635</u>
51	PMB3	X	.026	%40.365
. 52	PMB3	Z	015	%40.365
53	PMB3	X	.037	%25



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## Member Point Loads (BLC 3: Wind 60 Deg - No &e) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
54	PMB3	Z	022	%25
55	PMB4	X	.058	0
56	PMB4	Z	033	0
57	PMB4	X	.058	%50
58	PMB4	Z	033	%50
59	PMB4	X	.015	%25
60	PMB4	Z	008	%25
61	PMC1	: X	.066	0
62	PMC1	Z	038	0
63	PMC1	X	.066	%50
64	PMC1	Z	038	%50
65	PMC1	Χ	.057	%25
66	PMC1	Z	033	%25
67	PMC2	X	.278	0
68	PMC2	Z	16	0
69	PMC2	X	.278	%62.5
70	PMC2	Z	16	%62.5
71	PMC2	X	.026	%25
72	PMC2	Z	015	%25
73	PMC2	Χ	.057	%25
74	PMC2	Z	033	<b>%2</b> 5
75	PMC3	Χ	.044	%9.635
76	PMC3	Z	026	%9.635
77	PMC3	Χ	.044	%40.365
78	PMC3	Z	026	%40.365
79	PMC3	Х	.026	%25
80	PMC3	Z	015	%25
81	PMC4	Χ	.066	0
82	PMC4	Z	038	0
83	PMC4	Χ	.066	%50
84	PMC4	Z	038	%50

## Member Point Loads (BLC 4: Wind 90 Deg - No lce)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in,%]
1	PMA1	X	.064	0
. 2	PMA1	Х	.064	%50
3	PMA1	X	.018	%25
4	PMA2	X	.21	0
5	PMA2	X	.21	%62.5
6	PMA2	Х	.007	0
7	PMA2	X	.007	%56 <i>.</i> 25
8	PMA2	X	.07	%25
9	PMA2	X	.044	%25
10	PMA3	X	.022	%9.635
11	PMA3	X	.022	%40.365
12	PMA3	X	.07	%25
13	PMA4	Χ	.064	0
14	PMA4	X	.064	%50
15	PMA4	X	.015	%25
16	PMB1	X	.073	0
17	PMB1	X	.073	%50



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Member Point Loads (BLC 4: Wind 90 Deg - No Le) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
18	PMB1	X	.06	%25
19	PMB2	X	.293	. 0
20	PMB2	X	.293	%62.5
21	PMB2	X	.002	0
22	PMB2	X	.002	%56.25
23	PMB2	X	.014	%25
24	PMB2	X	.06	%25
25	PMB3	X	.044	%9.635
26	PMB3	X	.044	%40.365
27	PMB3	X	.058	%25
28	PMB4	X	.073	0
29	PMB4	X	.073	%50
30	PMB4	X	.014	<b>%2</b> 5
31	PMC1	X	.073	0
32	PMC1	X	.073	%50
33	PMC1	X	.058	%25
34	PMC2	X	.293	0
35	PMC2	X	.293	%62.5
36	PMC2	X	.002	0
37	PMC2	X	.002	%56.25
38	PMC2	X	.026	<b>%2</b> 5
39	PMC2	X	.058	%25
40	PMC3	X	.044	%9.635
41	PMC3	X	.044	%40.365
42	PMC3	Х	.026	%25
43	PMC4	X	.073	0
44	PMC4	X	.073	%50

Member Point Loads (BLC 5: Wind 120 Deg - No Le)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	.058	. 0
2	PMA1	Z	.033	0
3	PMA1	Χ	.058	%50
4	PMA1	Z	.033	%50
5	PMA1	X	.015	%25
6	PMA1	Z	.008	%25
7	PMA2	Χ	.206	0
8	PMA2	Z	.119	0
9	PMA2	Χ	.206	%62.5
10	PMA2	Z	.119	%62.5
11	PMA2	X	.005	0
12	PMA2	Z	.003	0
13	PMA2	X	.005	%56 <u>.25</u>
14	PMA2	Z	.003	%56.25
- 15	PMA2	X	.082	%25
16	PMA2	Z	.047	%25
17	PMA2	Х	.043	%25
18	PMA2	Z	.025	%25
19	PMA3	X	.026	%9.635
20	PMA3	Z	.015	%9.635
21	PMA3	Χ	.026	%40.365



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Member Point Loads (BLC 5: Wind 120 Deg - No te) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
22	PMA3	Z	.015	%40.365
23	PMA3	X	.082	%25
24	PMA3	Z	.047	%25
25	PMA4	X	.058	0
26	PMA4	Z	.033	0
27	PMA4	X	.058	%50
28	PMA4	Z	.033	%50
29	PMA4	X	.016	%25
30	PMA4	Z	.009	%25
31	PMB1	X	.066	0
32	PMB1	Z	.038	0
33	PMB1	X	.066	%50
34	PMB1	Z	.038	%50
35	PMB1	X	.057	%25
36	PMB1	Z	.033	%25
	PMB2	X	.278	0
37 38	PMB2	Z	.16	0
	PMB2	X	.278	%62.5
39		Z	.16	%62.5
40	PMB2	X X	.011	%25
41	PMB2	Z	.006	%25
42	PMB2		.057	% <b>2</b> 5
43	PMB2	X	.033	%25
44	PMB2	Z	.033	%9.635
45	PMB3	X		%9.635
46	PMB3		.026	%9.655 %40.365
47	PMB3	<u>X</u>	.044	
48	PMB3	<u>Z</u>	.026	%40.365
49	PMB3	X	.057	%25 %25
50	PMB3	<u>Z</u>	.033	<u>%25</u>
51	PMB4	X	.066	0
52	PMB4	Z	.038	0
53	PMB4	X	.066	%50 %50
54	PMB4	Z	.038	<u>%50</u>
55	PMB4	Χ	.011	<u>%25</u>
56	PMB4	Z	.006	%25
57	PMC1	X	.058	0
58	PMC1	Z	.033	0
59	PMC1	X	.058	%50 27.50
60	PMC1	Z	.033	%50
61	PMC1	X	.037	<u>%25</u>
62	PMC1	Z	.022	%25
63	PMC2	X	.206	0
_64	PMC2	Z	.119	0
65	PMC2	X	.206	%62.5
66	PMC2	Z	.119	<u>%62.5</u>
67	PMC2	X	.005	0
68	PMC2	Z	.003	0
69	PMC2	X	.005	%56.25
70	PMC2	Z	.003	%56.25
71	PMC2	X	.016	%25
72	PMC2	Z	.009	%25
73	PMC2	X	.037	%25



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Member Point Loads (BLC 5: Wind 120 Deg - No Lee) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in, %]
74	PMC2	Z	.022	%25
75	PMC3	X	.026	%9.635
76	PMC3	Z	.015	%9.635
77	PMC3	X	.026	%40.365
78	PMC3	Z	.015	%40.365
79	PMC3	; X	.016	%25
80	PMC3	Z	.009	%25
81	PMC4	X	.058	0
82	PMC4	Z	.033	0
83	PMC4	X	.058	%50
84	PMC4	Z	.033	%50

Member Point Loads (BLC 6: Wind 150 Deg - No Le)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	Χ	.037	0
2	PMA1	Z	.063	0
: 3	PMA1	Χ	.037	%50
4	PMA1	Z	.063	%50
5	PMA1	Χ	.007	%25
6	PMA1	Z	.012	%25
7	PMA2	X	.147	0
8	PMA2	Z	.254	0
9	PMA2	Х	.147	%62.5
10	PMA2	Z	.254	%62.5
11	PMA2	Х	.000879	0
12	PMA2	Z	.002	0
13	PMA2	Χ	.000879	%56.25
14	PMA2	Z	.002	%56.25
15	PMA2	Χ	.072	%25
16	PMA2	Z	.125	%25
17	PMA2	X	.03	%25
18	PMA2	Z	.052	%25
19	PMA3	Х	.022	%9.635
20	PMA3	Z	.038	%9.635
21	PMA3	Х	.022	%40.365
22	PMA3	Z	.038	%40.365
23	PMA3	X	.072	%25
24	PMA3	Z	.125	%25
25	PMA4	Х	.037	0
26	PMA4	Z	.063	0
27	PMA4	Х	.037	%50
28	PMA4	Z	.063	%50
29	PMA4	Х	.013	%25
30	PMA4	Z	.023	%25
31	PMB1	Х	.037	0
32	PMB1	Z	.063	0
33	PMB1	Х	.037	%50
34	PMB1	Z	.063	%50
35	PMB1	Χ	.03	%25
36	PMB1	Z	.052	%25
37	PMB2	X	.147	0



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Member Point Loads (BLC 6: Wind 150 Deg - No lee) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in,%]
38	PMB2	Z	.254	0
39	PMB2	X	.147	%62.5
40	PMB2	Z	.254	%62.5
41	PMB2	X	.000879	0
42	PMB2	Z	.002	0
43	PMB2	X	.000879	%56.25
44	PMB2	Z	.002	%56.25
45	PMB2	X	.007	%25
46	PMB2	Z	.012	%25
47	PMB2	X	.03	<u>%</u> 25
48	PMB2	Z	.052	<u>%</u> 25
49	PMB3	X	.022	<u></u> %9.635
50	PMB3	Z	.038	%9 <u>.63</u> 5
51	РМВ3	X	.022	%40.365
52	РМВ3	Z	.038	%40.365
53	PMB3	X	.029	%25
54	PMB3	Z	.051	%25
55	PMB4	X	.037	0
56	PMB4	Z	.063	0
57	PMB4	X	.037	%50
58	PMB4	Z	.063	%50
59	PMB4	X	.007	%25
60	PMB4	Z	.012	%25
61	PMC1	X	.032	0
62	PMC1	Z	.055	0
63	PMC1	X	.032	%50
64	PMC1	Z	.055	%50
65	PMC1	X	.018	%25
66	PMC1	Z	.031	%25
67	PMC2	X	.105	0
68	PMC2	Z	.182	0
	PMC2	X	.105	%62.5
69		Z	.182	%62.5
70	PMC2	X	.004	0
71	PMC2	Ž	.006	0
72	PMC2 PMC2	X	.004	%56.25
73		Z	.006	%56.25
74	PMC2	X	.007	%25
75	PMC2			
76 77	PMC2	Z X	.013 .018	%25 %25
77	PMC2		.031	%25
78	PMC2	Z	.031	%25 %9.635
79	PMC3	XZ	.019	%9.635
80	PMC3			%9.835 %40.365
81	PMC3	X	.011	%40.365
82	PMC3	Z	.019	
83	PMC3	X	.007	%25 %25
84	PMC3	Z	.013	%25
85	PMC4	<u>X</u>	.032	0
86	PMC4	Z	.055	0
87	PMC4	X	.032	%50
88	PMC4	Z	.055	%50



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Member Point Loads (BLC 7: Wind 180 Deg - No &e)

monner i onice oddo (BEO 7 . Will d 100 Beg - No Be)					
	Member Label	Direction	Magnitude [k,k-ft]	Location [in,%]	
1	PMA1	Z	.076	0	
2	PMA1	Z	.076	%50	
3	PMA1	Z	.013	%25	
4	PMA2	Z	.321	0	
5	PMA2	Z	.321	<b>%62</b> .5	
6	PMA2	Z	.169	%25	
7	PMA2	Z	.066	%25	
8	PMA3	Z	.051	%9.635	
9	PMA3	_ Z	.051	%40.365	
10	PMA3	Z	.169	%25	
. 11	PMA4	Z	.076	0	
12	PMA4	Z	.076	%50	
13	PMA4	Z	.03	%25	
14	PMB1	Z	.067	0	
15	PMB1	Z	.067	%50	
16	PMB1	Z	.049	%25	
17	PMB2	Z	.238	0	
18	PMB2	Z	.238	%62.5	
19	PMB2	Z	.005	0	
20	PMB2	Z	.005	%56.25	
21	PMB2	Z	.017	%25	
22	PMB2	Z	.049	%25	
23	PMB3	Z	.03	%9.635	
24	PMB3	Z	.03	%40.365	
25	PMB3	Z	.043	%25	
26	PMB4	Z	.067	0	
27	PMB4	Z	.067	%50	
28	PMB4	Z	.017	%25	
29	PMC1	Z	.067	. 0	
30	PMC1	Z	.067	%50	
31	PMC1	Z	.043	%25	
32	PMC2	Z	.238	0	
33	PMC2	Z	.238	%62.5	
34	PMC2	Z	.005	0	
35	PMC2	Z	.005	%56.25	
36	PMC2	Z	.019	%25	
37	PMC2	Z	.043	%25	
38	PMC3	Z	.03	%9.635	
39	PMC3	Z	.03	%40.365	
40	PMC3	Z	.019	%25	
41	PMC4	Z	.067	0	
42	PMC4	Z	.067	%50	
'T4-	1 (VI 🗸 🕇		.007	/000	

#### Member Point Loads (BLC 8: Wind 210 Deg - No Ice)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
. 1	PMA1	, X	037	0
2	PMA1	Z	.063	0
3	PMA1	X	037	%50
4	PMA1	Z	.063	%50
. 5	PMA1	Χ	007	%25
6	PMA1	Z	.012	%25



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Member Point Loads (BLC 8: Wind 210 Deg - No Le) (Continued)

Wember Point Loads (BLC 8. Wind 210 Deg - No Ke) (Continued)						
	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]		
7	PMA2	X	147	0		
8	PMA2	Z	.254	0		
9	PMA2	X	147	<u>%62.5</u>		
10	PMA2	Z	.254	%62.5		
11	PMA2	X	000879	0		
. 12	PMA2	Z	.002	0		
13	PMA2	X	000879	%56.25		
14	PMA2		.002	%56.25		
15	PMA2	Χ	072	%25		
16	PMA2	Z	.125	%25		
17	PMA2	X	03	%25		
18	PMA2	Z	.052	%25		
19	PMA3	X	022	<u>%9.635</u>		
20	PMA3	Z	.038	<u>%9.635</u>		
21	PMA3	X	022	%40.365		
22	PMA3	Z	.038	%40.365		
23	PMA3	X	072	%25		
24	PMA3	Z	.125	%25		
25	PMA4	X	037	0		
26	PMA4	Z	.063	0		
27	PMA4	X	037	%50		
28	PMA4	Z	.063	%50		
29	PMA4	X	013	%25		
30	PMA4	Z	.023	%25		
31	PMB1	X	032	0		
32	PMB1	Z	.055	0		
33	PMB1	X	032	%50		
34	PMB1	Z	.055	%50		
35	PMB1	X	022	%25		
36	PMB1	Z	.038	%25		
37	PMB2	X	105	0		
38	PMB2	Z	.182			
	PMB2	X	105	%62.5		
39	PMB2	Z	.182	%62.5		
40	PMB2	X	004	0		
		Z	.006	0		
42	PMB2	X	004	%56.25		
43	PMB2	Z	.006	%56.25		
44	PMB2					
45	PMB2	X	009	%25 %25		
46	PMB2	Z	.016	%25 %25		
47	PMB2	X	022	%25 %25		
48	PMB2		.038			
49	PMB3	X	011	%9.63 <u>5</u>		
50	PMB3	Z	.019	%9.635 %40.365		
51	PMB3	X	011	%40.365		
52	PMB3	Z	.019	%40.365		
53	PMB3	X	018	%25 ************************************		
54	PMB3	Z	.031	<u>%25</u>		
55	PMB4	X	032	0		
56	PMB4	Z	.055	0		
57	PMB4	X	032	%50		
58	PMB4	Z	.055	%50		



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## Member Point Loads (BLC 8: Wind 210 Deg - No Le) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
59	PMB4	X	009	%25
60	PMB4	Z	.016	%25
61	PMC1	Χ	037	0
62	PMC1	Z	.063	0
63	PMC1	X	037	%50
64	PMC1	Z	.063	%50
65	PMC1	X	029	%25
66	PMC1	Z	.051	%25
67	PMC2	. X	- 147	0
68	PMC2	Z	.254	0
69	PMC2	X	147	%62.5
70	PMC2	. Z	.254	%62.5
71	PMC2	Χ	000879	0
72	PMC2	Z	.002	0
73	PMC2	X	000879	%56.25
74	PMC2	Z	.002	%56.25
75	PMC2	X	013	%25
76	PMC2	Z	.023	%25
77	PMC2	X	029	%25
78	PMC2	Z	.051	%25
79	PMC3	Χ	022	%9.635
80	PMC3	Z	.038	%9.635
81	PMC3	Χ	022	%40.365
82	PMC3	Z	.038	%40.365
83	PMC3	Χ	013	%25
84	PMC3	Z	.023	%25
85	PMC4	X	037	0
86	PMC4	Z	.063	0
87	PMC4	Χ	037	%50
88	PMC4	Z	.063	%50

#### Member Point Loads (BLC 9: Wind 240 Deg - No &e)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	058	0
2	PMA1	· Z	.033	0
3	PMA1	Χ	058	%50
4	PMA1	Z	.033	%50
5	PMA1	X	015	%25
6	PMA1	Z	.008	%25
7	PMA2	Χ	206	0
8	PMA2	Z	.119	0
9	PMA2	X	206	%62.5
10	PMA2	Z	.119	%62.5
11	PMA2	X	005	0
12	PMA2	Z	.003	0
13	PMA2	X	005	%56.25
14	PMA2	Z	.003	%56.25
15	PMA2	Χ	082	%25
16	PMA2	Z	.047	%25
17	PMA2	X	043	%25
18	PMA2	Z	.025	%25



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Member Point Loads (BLC 9: Wind 240 Deg - No &e) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
19	PMA3	X	026	%9.635
20	PMA3	Z	.015	%9.635
21	PMA3	X	026	%40.365
22	PMA3	Z	.015	%40.365
23	PMA3	X	082	%25
24	PMA3	Z	.047	%25
25	PMA4	X	058	0
26	PMA4	Z	.033	0
27	PMA4	X	058	%50
28	PMA4	Ž	.033	<del>7650</del> %50
29	PMA4	X	016	%25
30	PMA4	Z	.009	
31	PMB1			%25
32		X Z	058	0
	PMB1		.033	0
33	PMB1	X	058	%50 %50
34	PMB1	Z	.033	%50 %55
35	PMB1	X	043	%25
36	PMB1	Z	.025	<b>%25</b>
37	PMB2	X	206	0
38	PMB2	Z	.119	0
39	PMB2	X	206	%62.5
40	PMB2	Z	.119	%62.5
41	PMB2	X	005	0
42	PMB2	Z	.003	0
43	PMB2	Χ	005	%56.25
44	PMB2	Z	.003	%56.25
45	PMB2	X	015	%25
46	PMB2	Z	.008	%25
47	PMB2	X	043	%25
48	PMB2	Z	.025	%25
49	PMB3	X	026	%9.635
50	PMB3	Z	.015	%9.635
51	PMB3	X	026	%40.365
52	PMB3	Z	.015	%40.365
53	PMB3	X	037	%25
54	PMB3	Z	.022	%25
55	PMB4	X	058	0
56	PMB4	Z	.033	0
57	PMB4	X	058	%50
58	PMB4	Z	.033	%50 %50
59	PMB4	X	015	%35 %25
60	PMB4	Z	.008	%25
61	PMC1	X	066	
62	PMC1	Z	.038	0 0
63	PMC1	X	066	0 %50
64	PMC1	Z Z		
			.038	%50 %35
65	PMC1	X	057	%25 8/ 25
66	PMC1	Z	.033	%25
67	PMC2	X	278	0
68	PMC2	Z	.16	0
69	PMC2	X	278	%62.5
70_	PMC2	Z	.16	%62.5



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Member Point Loads (BLC 9: Wind 240 Deg - No Le) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
71	PMC2	X	026	%25
72	PMC2	Z	.015	%25
73	PMC2	X	057	%25
74	PMC2	Z	.033	%25
75	PMC3	X	044	%9.635
76	PMC3	Z	.026	%9.635
77	PMC3	X	044	%40.365
78	PMC3	Z	.026	%40.365
79	PMC3	X	026	%25
80	PMC3	Z	.015	%25
81	PMC4	X	066	0
82	PMC4	Z	.038	0
83	PMC4	X	066	%50
84	PMC4	Z	.038	%50

Member Point Loads (BLC 10: Wind 270 Deg - No lce)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	064	0
2	PMA1	X	064	%50
3	PMA1	X	018	%25
4	PMA2	X	21	0
5	PMA2	Χ	21	%62.5
6	PMA2	X	007	0
7	PMA2	X	007	%56.25
8	PMA2	X	07	%25
9	PMA2	Χ	044	%25
10	PMA3	Х	022	%9.635
11	PMA3	X	022	%40.365
12	PMA3	X	07	%25
13	PMA4	Χ	064	0
14	PMA4	X	064	%50
15	PMA4	Х	015	%25
16	PMB1	Х	073	0
17	PMB1	X	073	%50
18	PMB1	Х	06	%25
_19	PMB2	X	293	0
_20	PMB2	X	293	%62.5
21	PMB2	X	002	0
22	PMB2	Χ	002	%56.25
23	PMB2	X	014	%25
24	PMB2	X	06	%25
25	PMB3	X	044	%9.635
26	PMB3	Χ	044	%40.365
_27	PMB3	Х	058	%25
28	PMB4	X	073	0
29	PMB4	X	073	%50
30	PMB4	X	014	%25
31	PMC1	X	073	0
32	PMC1	Χ	073	%50
33	PMC1	Χ	058	%25
34	PMC2	X	293	0



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Member Point Loads (BLC 10: Wind 270 Deg - No &e) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in, %]
35	PMC2	X	293	%62.5
36	PMC2	X	002	0
37	PMC2	X	002	%56.25
38	PMC2	X	026	%25
39	PMC2	X	058	%25
40	PMC3	X	044	%9.635
41	PMC3	X	044	%40.365
42	PMC3	X	026	%25
43	PMC4	X	073	0
44	PMC4	X	073	%50

Member Point Loads (BLC 11: Wind 300 Deg - No lce)

	MemberLabel	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	058	0
2	PMA1	Z	033	0
3	PMA1	X	058	%50
4	PMA1	Z	033	%50
5	PMA1	X	015	%25
6	PMA1	Z	008	%25
7	PMA2	Х	206	0
8	PMA2	Z	119	0
9	PMA2	Χ	206	%62.5
10	PMA2	· Z	119	%62.5
11	PMA2	X	005	0
12	PMA2	Z	003	0
13	PMA2	Χ	005	%56.25
14	PMA2	Z	003	%56.25
15	PMA2	X	082	%25
16	PMA2	· Z	047	%25
17	PMA2	Χ	043	%25
18	PMA2	Z	025	%25
19	PMA3	X	026	%9.635
20	PMA3	Z	015	%9.635
21	PMA3	X	026	%40.365
22	PMA3	Z	015	%40.365
23	PMA3	Х	082	%25
24	PMA3	Z	047	%25
25	PMA4	Х	058	0
26	PMA4	Z	033	0
27	PMA4	X	058	%50
28	PMA4	Z	033	%50
29	PMA4	X	016	%25
30	PMA4	Z	009	%25
31	PMB1	X	066	0
32	PMB1	Z	038	0
33	PMB1	Χ	066	%50
34	PMB1	Z	038	%50
35	PMB1	X	057	%25
36	PMB1	Z	033	%25
37	PMB2	X	278	0
38	PMB2	Z	16	0



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Member Point Loads (BLC 11: Wind 300 Deg - No &ce) (Continued)

member renkt todas (b.t. 11. Willa 300 Deg - No ke) (continued)					
	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]	
39	PMB2	X	278	%62.5	
40	PMB2	Z	16	%62.5	
41	PMB2	X	011	%25	
42	PMB2	Z	006	%25	
43	PMB2	X	057	%25	
44	PMB2	Z	033	%25	
45	PMB3	X	044	%9.635	
46	PMB3	Z	026	%9.635	
47	PMB3	X	044	%40.365	
48	PMB3	Z	026	%40.365	
49	PMB3	Χ	057	%25	
50	PMB3	Z	033	%25	
51	PMB4	X	066	0	
52	PMB4	Z	038	0	
53	PMB4	X	066	%50	
54	PMB4	Z.	038	%50	
55	PMB4	· X	011	%25	
56	PMB4	Z	006	%25	
57	PMC1	Х	058	0	
58	PMC1	Z	033	0	
59	PMC1	Х	058	%50	
60	PMC1	Z	033	%50	
61	PMC1	X	037	%25	
62	PMC1	Z	022	%25	
63	PMC2	Х	206	0	
64	PMC2	Z	119	0	
65	PMC2	Х	206	%62.5	
66	PMC2	Z	119	%62.5	
_67	PMC2	Х	005	0	
68	PMC2	Z	003	0	
69	PMC2	Х	005	%56.25	
70	PMC2	Z	003	%56.25	
71	PMC2	X	016	%25	
72	PMC2	Z	009	%25	
73	PMC2	X	037	%25	
74	PMC2	Z	022	%25	
75	PMC3	Χ	026	%9.635	
76	PMC3	Z	015	%9.635	
77	PMC3	Χ	026	%40.365	
78	PMC3	Z	015	%40.365	
79	PMC3	<u> X</u>	016	%25	
80	PMC3	Z.	009	%25	
81	PMC4	X	058	0	
82	PMC4	Z	033	0	
83	PMC4	X	058	%50	
84	PMC4	Z	033	%50	

## Member Point Loads (BLC 12: Wind 330 Deg - No Ice)

	Member <u>Lab</u> el	Direction	Magnitude [k,k-ft]	Location [in,%]
1	PMA1	Χ	037	0
2	PMA1	Z	063	0



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Member Point Loads (BLC 12: Wind 330 Deg - No &e) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
3	PMA1	X	037	%50
4	PMA1	Z	063	%50
5	PMA1	X	007	%25
6	PMA1	Z	012	%25
7	PMA2	X	147	0
8	PMA2		254	0
9	PMA2	Z		%62.5
		X Z	147	
10	PMA2		254	<u>%62.5</u>
11	PMA2	X	000879	0
12	PMA2	Z	002	0 05
13	PMA2	<u>X</u>	000879	%56.25
14	PMA2	Z	002	%56.25
15	PMA2	X	072	%25
16	PMA2	Z	125	%25
17	PMA2	X	03	%25
18	PMA2	Z	052	%25
19	PMA3	X	022	%9.635
20	PMA3	Z	038	%9.635
21	PMA3	X	022	%40.365
22	PMA3	<b>Z</b> .	038	%40.365
23	PMA3	X	072	%25
24	PMA3	Z	125	%25
25	PMA4	. X	037	0
26	PMA4	Z	063	0
27	PMA4	Х	037	%50
28	PMA4	Z	063	%50
29	PMA4	X	013	%25
30	PMA4	Z	023	%25
31	PMB1	X	037	0
32	PMB1	Z	063	0
33	PMB1	X	037	%50
34	PMB1	Z	063	<del>7650</del> %50
35	PMB1	X	03	%25
36	PMB1	Z	052	%25
	PMB2			
37		X	-,147	0
38	PMB2	Z	254	0
39	PMB2	X	147	%62.5
40	PMB2	Z	254	%62.5
41	PMB2	X	000879	0
42	PMB2	Z	002	0
43	PMB2	X	000879	%56.25
44	PMB2	Z	002	%56.25
45	PMB2	X	007	%25
46	PMB2	Z	012	%25
47	PMB2	X	03	%25
48	PMB2	Z	052	%25
49	PMB3	Х	022	%9.635
50	PMB3	Z	038	%9.635
51	PMB3	Х	022	%40.365
52	PMB3	Z	038	%40.365
53	PMB3	X	029	%25
54	PMB3	Z	051	%25



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Member Point Loads (BLC 12: Wind 330 Deg - No Le) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
55	PMB4	. X	037	0
56	PMB4	Z	063	0
57	PMB4	X	037	%50
58	PMB4	Z	063	%50
59	PMB4	Χ	007	%25
60	PMB4	Z	012	%25
61	PMC1	X	032	0
62	PMC1	Z	055	0
63	PMC1	Χ	032	%50
64	PMC1	Z	055	%50
65	PMC1	X	018	%25
66	PMC1	Z	031	%25
67	PMC2	X	105	0
68	PMC2	Z	182	0
69	PMC2	X	105	<u>%62.5</u>
70	PMC2	Z	182	%62.5
71	PMC2	Χ	004	0
72	PMC2	Z	006	0
73	PMC2	X	004	%56.25
74	PMC2	Z	006	%56.25
75	PMC2	X	007	%25
76	PMC2	Z	013	%25
77	PMC2	X	018	%25
78	PMC2	Z	031	%25
79	PMC3	Χ	011	%9.635
80	PMC3	Z	019	%9.635
81	PMC3	X	011	%40.365
82	PMC3	Z	019	%40.365
83	PMC3	X	007	%25
84	PMC3	Z	013	%25
85	PMC4	X	032	0
86	PMC4	Z	055	0
87	PMC4	Χ	032	%50
88	PMC4	Z	055	%50

Member Point Loads (BLC 13: Wind 0 Deg - Ice)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
1	PMA1	Z	017	0
2	PMA1	Z	017	%50
3	PMA1	Z	005	%25
4	PMA2	Z	065	<u> </u>
5	PMA2	Z	065	%62.5
6	PMA2	Z	035	%25
7	PMA2	Z	016	%25
8	PMA3	Z	012	%9.635
9	PMA3	Z	012	%40. <u>365</u>
10	PMA3	Z	035	%25
11	PMA4	Z	017	0
12	PMA4	Z	017	%50
13	PMA4	Z	009	%25
14	PMB1	Z	015	0



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## Member Point Loads (BLC 13: Wind 0 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
15	PMB1	Z	015	%50
16	PMB1	Z	013	%25
17	PMB2	Z	052	0
18	PMB2	Z	052	%62.5
19	PMB2	Z	002	0
20	PMB2	Z	002	%56.25
21	PMB2	: Z	006	%25
22	PMB2	Z	013	%25
23	PMB3	Z	008	%9.635
24	PMB3	Z	008	%40.365
25	PMB3	Z	011	%25
26	PMB4	Z	015	0
27	PMB4	Z	015	%50
28	PMB4	Z	006	%25
29	PMC1	Z	015	0
30	PMC1	Z	015	%50
31	PMC1	Z	011	%25
32	PMC2	Z	052	0
33	PMC2	Z	052	%62.5
34	PMC2	Z	002	0
35	PMC2	Z Z	002	%56.25
36	PMC2	Z	006	%25
37	PMC2	Z	011	%25
38	PMC3	Z	008	%9.635
39	PMC3	Z	008	%40.365
40	PMC3	Z	006	%25
41	PMC4		015	0
42	PMC4	Z	015	%50

## Member Point Loads (BLC 14: Wind 30 Deg - Le)

		<b>-</b> : :::	44 4 5 5 6 6	
	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
1	PMA1	X	.008	0
2	PMA1	Z	014	0
3	PMA1	X	.008	%50
4	PMA1	Z	014	%50
5	PMA1	X	.003	%25
6	PMA1	Z	004	%25
7	PMA2	X	.03	0
8	PMA2	Z	052	. 0
9	PMA2	X	.03	%62.5
10	PMA2	Z	052	%62.5
11	PMA2	X	.000408	0
12	PMA2	Z	000706	0
13	PMA2	X	.000408	%56.25
14	PMA2	Z	000706	%56.25
15	PMA2	X	.015	%25
16	PMA2	Z	027	%25
17	PMA2	Х	.007	%25
18	PMA2	Z	013	%25
19	PMA3	Χ	.005	%9.635
20	PMA3	Z	009	%9.635



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# Member Point Loads (BLC 14: Wind 30 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
21	PMA3	X	.005	%40.365
22	PMA3	Z	009	%40.365
23	PMA3	X	.015	%25
24	PMA3	Z	027	%25
25	PMA4	X	.008	0
26	PMA4	Z	014	0
27	PMA4	X	.008	%50
28	PMA4	Z	014	%50
29	PMA4	X	.004	%25
30	PMA4	Z	007	%25
31	PMB1	X	.007	0
32	PMB1	Z	013	0
33	PMB1	X	.007	%50
34	PMB1	Z	013	%50
35	PMB1	X	.006	%25
36	PMB1	Z	01	%25
37	PMB2	X X	.024	0
38	PMB2	Z	041	0
39	PMB2	X	.024	%62.5
40	PMB2	Z	041	%62.5
41	PMB2	X	.002	0
42	PMB2	Z	003	0
43	PMB2	X	.002	
44	PMB2	Z		%56.25
45	PMB2	X	003 .003	
46	PMB2	Z		%25 %25
47	PMB2	X	005	%25 %25
48	PMB2	Z	.006	
49	PMB3		01	%25
50		X	.003	%9.635
51	PMB3	Z	006	<u>%9.635</u>
52	PMB3	X	.003	%40.365
	PMB3	Z	006	%40.365
53	PMB3	X	.005	%25
54	PMB3	Z	009	%25
55	PMB4	X	.007	0
56	PMB4	Z	013	0
57	PMB4	X	.007	%50 87.50
58	PMB4	Z	013	<u>%50</u>
59	PMB4	X	.003	%25 24.05
60	PMB4	Z	005	%25
61	PMC1	X	.008	0
62	PMC1	Z	014	0
63	PMC1	X	.008	%50
64	PMC1	Z	014	%50
65	PMC1	X	.007	%25
66	PMC1	Z	012	%25
67	PMC2	X	.03	0
68	PMC2	Z	052	0
69	PMC2	X	.03	%62.5
70	PMC2	Z	052	%62.5
71	PMC2	X	.000408	0
_72	PMC2	Z	000706	0



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## Member Point Loads (BLC 14: Wind 30 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in, %]
73	PMC2	. X	.000408	%56.25
74	PMC2	Z	000706	%56.25
75	PMC2	X	.004	%25
76	PMC2	Z	007	<b>%2</b> 5
77	PMC2	X	.007	%25
78	PMC2	Z	012	%25
79	PMC3	X	.005	%9.635
80	PMC3	Z	009	%9.635
81	PMC3	Χ	.005	%40.365
82	PMC3	Z	009	%40.365
83	PMC3	. X	.004	%25
84	PMC3	Z	007	%25
85	PMC4	Χ	.008	0
86	PMC4	Z	014	0
87	PMC4	X	.008	%50
88	PMC4	Z	014	%50

## Member Point Loads (BLC 15: Wind 60 Deg - ke)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
1	PMA1	X	.013	0
2	PMA1	Z	008	0
3	PMA1	X	.013	%50
4	PMA1	Z	008	%50
5	PMA1	X	.005	%25
6	PMA1	Z	003	%25
7	PMA2	X	.045	0
8	PMA2	Z	026	0
9	PMA2	X	.045	%62.5
10	PMA2	Z	026	%62.5
11	PMA2	X	.002	0
12	PMA2	Z	001	0
13	PMA2	X	.002	%56.25
14	PMA2	Z	001	%56.25
15	PMA2	Х	.019	%25
16	PMA2	Z	011	%25
17	PMA2	Х	.011	%25
18	PMA2	Z	006	%25
19	PMA3	Χ	.007	%9.635
20	PMA3	Z	004	%9.635
21	PMA3	X	.007	%40.365
22	PMA3	Z	004	%40.365
23	PMA3	X	.019	%25
24	PMA3	Z	011	%25
25	PMA4	Χ	.013	0
26	PMA4	Z	008	0
27	PMA4	X	.013	%50
28	PMA4	Z	008	%50
29	PMA4	X	.005	%25
30	PMA4	Z	003	%25
31	PMB1	X	.013	0
32	PMB1	Z	008	0



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Member Point Loads (BLC 15: Wind 60 Deg - ke) (Continued)

	MemberLabel	Direction	Magnitude[k,k-ft]	Location [in, %]
33	PMB1	Χ	.013	%50
34	PMB1	Z	008	%50
35	PMB1	X	.011	%25
36	PMB1	Z	006	%25
37	PMB2	X	.045	0
38	PMB2	Z	026	0
39	PMB2	X	.045	%62.5
40	PMB2	Z	026	%62.5
41	PMB2	X	.002	0
42	PMB2	Z	001	0
43	PMB2	X	.002	%56.25
44	PMB2	Z	001	%56.25
45	PMB2	X	.005	%25
46	PMB2	Z	003	%25
47	PMB2	X	.011	%25
48	PMB2	Z	006	%25
49	PMB3	X	.007	%9.635
50	PMB3	Z	004	%9.635
51	PMB3	X	.007	%40.365
52	PMB3	Z	004	%40.365
53	PMB3	X	.01	%25
54	PMB3	Ž	006	%25
55	PMB4	X	.013	0
56	PMB4	Z	008	0
57	PMB4	X	.013	%50
58	PMB4	Z	008	%50 %50
59	PMB4	X	.005	%25
60	PMB4	Z	003	%25
61 :	PMC1	X	.015	0
62	PMC1	Z	008	0
63	PMC1	X	.015	%50
64	PMC1	Z	008	%50 %50
65	PMC1	X	.014	%25
66	PMC1	Z	008	%25
67	PMC2	X	.056	0
68	PMC2	Z	033	0
69	PMC2	X	.056	%62.5
70	PMC2	Z	033	%62.5
71	PMC2	X	.007	%02.3 %25
72	PMC2	Z	004	%25 %25
73	PMC2	X	.014	%25
74	PMC2	Z	008	%25 %25
75	PMC3	X	.01	%9.635
76	PMC3	Z	006	%9.635
77	PMC3	X	.01	%40.365
78	PMC3	Z	006	%40.365
79	PMC3	X	.007	%25
80	PMC3	Z	004	%25
81	PMC4	X	.015	0
82	PMC4	Z	008	0
83	PMC4	X	.015	%50
84	PMC4	Z Z	008	%50 %50
04	F IVI U 4		000 [	70 <b>0</b> U



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Member Point Loads (BLC 16: Wind 90 Deg - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	.015	0
2	PMA1	Х	.015	%50
3	PMA1	Х	.006	%25
4	PMA2	Х	.047	0
5	PMA2	χ	.047	%62.5
6	PMA2	X	.003	0
7	PMA2	Х	.003	%56.25
8	PMA2	Х	.017	%25
9	PMA2	X	.012	%25
10	PMA3	X	.006	%9.635
11	PMA3	X	.006	%40.365
12	PMA3	Х	.017	%25
13	PMA4	Χ	.015	0
14	PMA4	X	.015	%50
15	PMA4	X	.005	%25
16	PMB1	X	.016	0
17	PMB1	X	.016	%50
18	PMB1	X	.015	%25
19	PMB2	X	.061	0
20	PMB2	X	.061	%62.5
21	PMB2	X	.000815	0
22	PMB2	X	.000815	%56.25
23	PMB2	X	.005	%25
24	PMB2	X	.015	%25
25	PMB3	X	.01	%9.635
26	PMB3	X	.01	%40.365
27	PMB3	X	.014	%25
28	PMB4	X	.016	0
29	PMB4	X	.016	%50
30	PMB4	X	.005	%25
31	PMC1	X	.016	0
32	PMC1	X	.016	%50
33	PMC1	X	.014	%25
34	PMC2	X	.061	0
35	PMC2	X	.061	%62.5
36	PMC2	X	.000815	0
37	PMC2	X	.000815	%56.25
38	PMC2	X	.008	%25
39	PMC2	X	.014	%25
40	PMC3	X	.01	%9.635
41	PMC3	X	.01	%40.365
42	PMC3	i x	.008	%40.303 %25
43	PMC4	X	.016	0
<b>₩</b> J	F IVI ∪ <del>1</del>	X	.016	

Member Point Loads (BLC 17: Wind 120 Deg - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	Χ	.013	0
2	PMA1	Z	.008	0
3	PMA1	X	.013	%50
4	PMA1	Z	.008	%50



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Member Point Loads (BLC 17: Wind 120 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
5	PMA1	X	.005	%25
6	PMA1	Z	.003	%25
7	PMA2	X	.045	0
8	PMA2	Z	.026	0
9	PMA2	X	.045	%62.5
10	PMA2	Z	.026	%62.5
11	PMA2	<u>X</u>	.002	0
12	PMA2	Z	.001	0
13	PMA2	X	.002	%56.25
14	PMA2	Z	.001	<b>%56.2</b> 5
15	PMA2	X	.019	%25
16	PMA2	Z	.011	%25
17	PMA2	X	.011	%25
18	PMA2	Z	.006	%25
		X	.007	%9.635
19	PMA3	Z	.004	%9.635
20	PMA3		.007	%40.365
21	PMA3	X	.007	%40.365 %40.365
22	PMA3	Z		%40.303 %25
23	PMA3	<u>X</u>	.019	%25
24	PMA3	Z	.011	
25	PMA4	X	.013	0
26	PMA4	Z	.008	0
27	PMA4	X	.013	%50
28	PMA4	Z	.008	%50
29	PMA4	X	.005	%25
30	PMA4	Z	.003	%25
31	PMB1	X	.015	0
32	PMB1	Z	.008	0
33	PMB1	X	.015	%50
34	PMB1	Z	.008	%50
35	PMB1	<u>X</u>	.014	%25
36	PMB1	Z	.008	%25
37	PMB2	X	.056	0
38	PMB2	Z	.033	0
39	PMB2	X	.056	%62.5
40	PMB2	Z	.033	%62.5
41	PMB2	X	.004	%25
42	PMB2	Z	.002	%25
43	PMB2	X	.014	%25
44	PMB2	Z	.008	%25
45	PMB3	X	.01	%9.635
46	PMB3	Z	.006	%9.635
47	PMB3	X	.01	%40.365
48	PMB3	Z	.006	%40.365
49	PMB3	X	.014	%25
50	PMB3	Ž	.008	%25
51	PMB4	X	.015	0
52	PMB4	Z	.008	0
	PMB4	X	.015	%50
53		Z	.013	%50
54	PMB4	X	.008	%25
55	PMB4	Z	.004	%25
56	PMB4		.002	/0ZJ



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#### Member Point Loads (BLC 17: Wind 120 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
57	PMC1	Х	.013	0
58	PMC1	Z	.008	0
59	PMC1	; X	.013	%50
60	PMC1	Z	.008	%50
61	PMC1	X	.01	%25
62	PMC1	Z	.006	%25
63	PMC2	X	.045	0
64	PMC2	Z	.026	0
65	PMC2	X	.045	%62.5
66	PMC2	Z	.026	%62.5
67	PMC2	X	.002	0
68	PMC2	Z	.001	0
69	PMC2	X	.002	%56.25
70	PMC2	Z	.001	%56.25
71	PMC2	X	.005	%25
72	PMC2	Z	.003	%25
73	PMC2	X	.01	%25
74	PMC2	Z	.006	%25
75	PMC3	X	.007	%9.635
76	PMC3	Z	.004	%9.635
77	PMC3	X	.007	%40.365
78	PMC3	Z	.004	%40.365
79	PMC3	X	.005	%25
80	PMC3	Z	.003	%25
81	PMC4	X	.013	0
82	PMC4	Z	.008	0
83	PMC4	X	.013_	%50
84	PMC4	Z	.008	%50

Member Point Loads (BLC 18: Wind 150 Deg - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	.008	0
2	PMA1	Z	.014	0
3	PMA1	X	.008	%50
4	PMA1	Z	.014	%50
5	PMA1	X	.003	%25
6	PMA1	Z	.004	%25
7	PMA2	: <b>X</b>	.03	0
8	PMA2	Z	.052	0
9	PMA2	X	.03	%62.5
10	PMA2	Z	.052	%62.5
11	PMA2	X	.000408	0
12	PMA2	Z	.000706	0
13	PMA2	X	.000408	%56.2 <u>5</u>
14	PMA2	Z	.000706	%56.2 <u>5</u>
15	PMA2	X	.015	%25
16	PMA2	Z	.027	%25
17	PMA2	X	.007	%25
18	PMA2	Z	.013	%25
19	PMA3	X	.005	%9 <u>.6</u> 35
20	PMA3	Z	.009	%9.635



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Member Point Loads (BLC 18: Wind 150 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in, %]
21	PMA3		.005	%40.365
22	PMA3	Z	.009	%40.365
23	PMA3	Х	.015	%25
24	PMA3	Z	.027	. %25
25	PMA4	X	.008	0
26	PMA4	Z	.014	0
27	PMA4	X	.008	%50
28	PMA4	Z	.014	%50
29	PMA4	X	.004	%25
30	PMA4	Z	.007	%25
31	PMB1	X X	.008	0
32	PMB1	Z	.014	0
33	PMB1	X	.008	%50
	PMB1	Z	.014	%50
34		X	.007	%25
35	PMB1	Z	.013	%25 %25
36	PMB1			0
37	PMB2	X	.03	0
38	PMB2	Z	.052	
39	PMB2	X	.03	%62.5
10	PMB2	Z	.052	%62.5
<b>!</b> 1	PMB2	_X	.000408	0
12	PMB2	Z	.000706	0
13	PMB2	X	.000408	<u>%56.25</u>
14	PMB2	Z	.000706	%56 <i>.</i> 25
15	PMB2	X	.003	%25
16	PMB2	Z	.004	%25
17	PMB2	X	.007	%25
18	PMB2	Z	.013	%25
19	PMB3	Х	.005	<u>%9.635</u>
50	PMB3	Z	.009	%9.635
51	PMB3	X	.005	%40.365
52	PMB3	Z	.009	%40.365
53	PMB3	X	.007	%25
54	PMB3	Z	.012	%25
55	PMB4	X	.008	0
56	PMB4	Z	.014	0
57	PMB4	X	.008	%50
58	PMB4	Z	.014	%50
59	PMB4	X	.003	% <b>2</b> 5
30	PMB4	Z	.004	% <b>2</b> 5
31	PMC1	X	.007	0
	PMC1	7	.013	0
32		Z X	.007	%50
33	PMC1	Z	.013	%50 %50
34	PMC1		.005	%25
35	PMC1	X		%25 %25
36	PMC1	Z	.009	
67	PMC2	X	.024	0
86	PMC2	Z	.041	0
39	PMC2	Χ	.024	%62.5
70	PMC2	Z	.041	%62.5
71	PMC2	X	.002	0
72	PMC2	Z	.003	0



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Member Point Loads (BLC 18: Wind 150 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
73	PMC2	X	.002	<b>%56.25</b>
74	PMC2	Z	.003	%56.25
75	PMC2	X	.003	%25
76	PMC2	Z	.005	%25
77	PMC2	X	.005	<u>%25</u>
78	PMC2	Z	.009	%25
79	PMC3	X	.003	%9.635
80	PMC3	Z	.006	%9.635
81	PMC3	X	.003	%40.365
82	PMC3	Z	.006	%40.365
83	PMC3	X	.003	%25
84	PMC3	Z	.005	%25
85	PMC4	X	.007	0
86	PMC4	Z	.013	0
87	PMC4	X	.007	%50
88	PMC4	Z	.013	%50

Member Point Loads (BLC 19: Wind 180 Deg - Ice)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
1	PMA1	Z	.017	0
2	PMA1	Ζ	.017	%50
3	PMA1	Z	.005	%25
4	PMA2	Z	.065	0
5	PMA2	Z	.065	%62.5
6	PMA2	. Z	.035	%25
7	PMA2	Z	.016	%25
8	PMA3	Z	.012	%9.635
9	PMA3	Z	.012	%40.365
10	PMA3	Z	.035	%25
11	PMA4	Z	.017	0
12	PMA4	Z	.017	%50
13	PMA4	Z	.009	%25
14	PMB1	Z	.015	0
15	PMB1	Z	.015	%50
16	PMB1	Z	.013	%25
17	PMB2	Z	.052	0
18	PMB2	Z	.052	%62.5
19	PMB2	Z	.002	0
20	PMB2	Z	.002	%56.25
21	PMB2	Z	.006	%25
22	PMB2	Z	.013	<b>%2</b> 5
23	PMB3	Z	.008	%9.635
24	PMB3	Z	.008	%40.365
25	PMB3	Z	.011	%25
26	PMB4	Z	.015	0
27	PMB4	Z	.015	%50
28	PMB4	Z	.006	%25
29	PMC1	Z	.015	0
30	PMC1	Z	.015	%50
31	PMC1	Z	.011	<b>%2</b> 5
32	PMC2	Z	.052	0



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Member Point Loads (BLC 19: Wind 180 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude [k, k-ft]	Location[in,%]
33	PMC2	Z	.052	%62.5
34	PMC2	Z	.002	0
34	PMC2	Z	.002	%56.25
36	PMC2	Z	.006	%25
37	PMC2	Z	.011	%25
38	PMC3	Z	.008	%9.635
39	PMC3	Z	.008	%40.365
40	PMC3	Z	.006	%25
41	PMC4	Z	.015	0
42	PMC4	Z	.015	%50

Member Point Loads (BLC 20: Wind 210 Deg - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	008	0
2	PMA1	Z	.014	0
3	PMA1	X	008	%50
4	PMA1	Z	.014	%50
5	PMA1	X	003	%25
6	PMA1	Z	.004	%25
7	PMA2	X	03	0
8	PMA2	Z	.052	0
9	PMA2	Χ	03	%62.5
10	PMA2	Z	.052	%62.5
11	PMA2	X	000408	0
12	PMA2	Z	.000706	0
13	PMA2	X	000408	%56.25
14	PMA2	Z	.000706	%56.25
15	PMA2	X	015	%25
16	PMA2	Z	.027	%25
17	PMA2	X	007	%25
18	PMA2	Z	.013	%25
19	PMA3	X	005	%9.635
20	PMA3	Z	.009	%9.635
21	PMA3	X	005	%40.365
22	PMA3	Z	.009	%40.365
23	PMA3	Х	015	%25
24	PMA3	Z	.027	%25
25	PMA4	X	008	0
26	PMA4	Z	.014	0
27	PMA4	X	008	%50
28	PMA4	Z	.014	%50
29	PMA4	X	004	%25
30	PMA4	Z	.007	%25
31	PMB1	X	007	0
32	PMB1	Z	.013	0
33	PMB1	X	007	%50
34	PMB1	Z	.013	%50
35	PMB1	X	006	%25
36	PMB1	Ž	.01	%25
37	PMB2	X	024	0
38	PMB2	Z	.041	0



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Member Point Loads (BLC 20: Wind 210 Deg - Ice) (Continued)

	MemberLabel	Direction	Magnitude[k,k-ft]	Location[in,%]
39	PMB2	X	024	<u>%62.5</u>
40	PMB2	Z	.041	<u>%</u> 62.5
41	PMB2	X	002	0
42	PMB2	Z	.003	0
43	PMB2	X	002	%56.25
44	PMB2	Z	.003	% <u>5</u> 6.25
45	PMB2	X	003	%25
46	PMB2	Z	.005	%25
47	PMB2	Х	006	%25
48	PMB2	Z	.01	%25
49	PMB3	X	003	%9.635
50	PMB3	Z	.006	%9.635
51	PMB3	X	003	%40.365
52	PMB3	Z	.006	%40.365
53	PMB3	X	005	%25
54	PMB3	Z	.009	%25
55	PMB4	X	007	0
56	PMB4	Z	.013	Ŏ
57	PMB4	X	007	%50
58	PMB4	Ž	.013	%50 %50
	PMB4	X	003	%25
59		Z	.005	% <b>2</b> 5
60	PMB4		008	0
61	PMC1	X 7		0
62	PMC1	Z	.014	%50
63	PMC1	<u>X</u>	008	
64	PMC1	Z	.014	%50 %55
65	PMC1	X	007	<u>%25</u>
66	PMC1	Z	.012	%25
67	PMC2	X	03	0
68	PMC2	Z	.052	0
69	PMC2	X	03	%62.5
70	PMC2	Z	.052	<u>%</u> 62.5
71	PMC2	X	000408	
72	PMC2	Z	.000706	0
73	PMC2	X	000408	%56. <u>25</u>
74	PMC2	Z	.000706	<u>%56.2</u> 5
75	PMC2	X	004	%25
76	PMC2	Z	.007	%25
77	PMC2	X	007	%25
78	PMC2	Z	.012	%25
79	PMC3	X	005	%9.635
80	PMC3	Z	.009	%9.635
81	PMC3	X	005	%40.365
82	PMC3	Z	.009	%40.365
83	PMC3	X X	004	%25
84	PMC3	Z	.007	%25
85	PMC4	X	008	0
86	PMC4	Z	.014	0
	FIVIU4	<del>_</del>	.017	
87	PMC4	X	008	%50



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Member Point Loads (BLC 21: Wind 240 Deg - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	Χ	013	0
2	PMA1	Z	.008	0
3	PMA1	X	013	%50
4	PMA1	Z	.008	%50
5	PMA1	X	005	%25
6	PMA1	Z	.003	%25
7	PMA2	X	045	0
8	PMA2	Z	.026	0
9	PMA2	X	045	%62 <i>.</i> 5
10	PMA2	Z	.026	%62.5
11	PMA2	X	002	0
12	PMA2	Z	.001	0
: 13	PMA2	X	002	%56.25
14	PMA2	Z	.001	%56.25
15	PMA2	X	019	%25
16	PMA2	Z	.011	%25
17	PMA2	X	011	%25
18	PMA2	Z	.006	%25
19	PMA3	X	007	%9.635
		Z	.004	%9.635
20	PMA3	X	007	%40.365
21	PMA3	Z	.004	%40.365
22	PMA3		019	%25
23	PMA3	X	.019	%25
24	PMA3	Z		0
25	PMA4	X	013	
26	PMA4	Z	.008	%50
_27	PMA4	X	013	
28	PMA4	Z	.008	%25
29	PMA4	X	005	
30	PMA4	Z	.003	%25
31	PMB1	X	013	0
32	PMB1	Z	.008	0
33	PMB1	X	013	%50 24.50
34	PMB1	Z	.008	%50 0/85
35	PMB1	X	011	%25
36	PMB1	Z	.006	%25
37	PMB2	X	045	0
38	PMB2	Z	.026	0
39	PMB2	X	045	%62.5 260.5
40	PMB2	Z	.026	%62.5
41	PMB2	X	002	0
42	PMB2	Z	.001	0
43	PMB2	X	002	%56.25
44	PMB2	Z	.001	%56.25
45	PMB2	X	005	%25
46	PMB2	Z	.003	%25
47	PMB2	X	011	<u>%</u> 25
48	PMB2	Z	.006	%25
49	PMB3	Χ	007	%9.635
50	PMB3	Z	.004	%9.635
51	PMB3	X	007	%40.365
52	PMB3	Z	.004	%40.365



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Member Point Loads (BLC 21: Wind 240 Deg - Ice) (Continued)

	MemberLabel	Direction	Magnitude[k,k-ft]	Location[in,%]
53	PMB3	Х	01	%25
54	PMB3	Z	.006	%25
55	PMB4	X	013	0
56	PMB4	Z	.008	0
57	PMB4	X	013	%50
58	PMB4	Z	.008	%50
59	PMB4	X	005	<b>%2</b> 5
60	PMB4	Z	.003	%25
61	PMC1	X	015	0
62	PMC1	Z	.008	0
63	PMC1	X	015	<u>%50</u>
64	PMC1	Z	.008	<u></u> %50
65	PMC1	X	014	%25
66	PMC1	Z	.008	%25
67	PMC2	Χ	056	0
68	PMC2	Z	.033	0
69	PMC2	X	056	%62.5
70	PMC2	Z	.033	%62.5
71	PMC2	X	007	%25
72	PMC2	Z	.004	%25
73	PMC2	X	014	%25
74	PMC2	Z	.008	% <u>2</u> 5
75	PMC3	X	01	%9.635
76	PMC3	Z	.006	%9.635
77	PMC3	X	01	%40.365
78	PMC3	Z	.006	%40.365
79	PMC3	X	007	<b>%2</b> 5
80	PMC3	Z	.004	%25
81	PMC4	X	015	0
82	PMC4	Z	.008	0
83	PMC4	X	015	<b>%5</b> 0
84	PMC4	Z	.008	%50

Member Point Loads (BLC 22: Wind 270 Deg - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	015	0
2	PMA1	X	015	<u>%50</u>
3	PMA1	X	006	%25
4	PMA2	X	047	0
5	PMA2	X	047	%62.5
6	PMA2	X	003	0
7	PMA2	X	003	%56.25
8	PMA2	X	017	%25
9	PMA2	X	012	%25
10	PMA3	X	006	%9.635
11	PMA3	X	006	%40.365
12	PMA3	Х	017	%25
13	PMA4	X	015	0
14	PMA4	X	015	%50
15	PMA4	X	005	%25
16	PMB1	X	016	0



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## Member Point Loads (BLC 22: Wind 270 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
17	PMB1	Χ	016	%50
18	PMB1	Χ	015	%25
19	PMB2	Х	061	0
20	PMB2	X	061	%62.5
21	PMB2	Χ	000815	0
22	PMB2	X	000815	%56.25
23	PMB2	Χ	005	%25
24	PMB2	Х	015	%25
25	PMB3	Χ	01	%9.635
26	PMB3	Х	01	%40.365
27	PMB3	X	014	%25
28	PMB4	X	016	0
29	PMB4	X	016	%50
30	PMB4	X	005	%25
31	PMC1	Χ	016	0
32	PMC1	Χ	016	%50
33	PMC1	Х	014	%25
34	PMC2	Х	061	0
35	PMC2	Х	061	%62.5
36	PMC2	X	000815	0
37	PMC2	X	000815	%56.25
38	PMC2	Χ	008	%25
39	PMC2	Х	014	%25
40	PMC3	X	01	%9.635
41 .	PMC3	Χ	01	%40.365
42	PMC3	Χ	008	%25
43	PMC4	Х	016	0
44	PMC4	Х	016	%50

## Member Point Loads (BLC 23: Wind 300 Deg - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in, %]
1	PMA1	X	013	0
2	PMA1	Z	008	0
3	PMA1	X	013	%50
4	PMA1	Z	008	%50
5	PMA1	X	005	%25
6	PMA1	Z	003	%25
7	PMA2	X	045	0
8	PMA2	Z	026	0
9	PMA2	X	045	%62.5
10	PMA2	Z	026	%62.5
11	PMA2	X	002	0
12	PMA2	Z	001	0
13	PMA2	Χ	002	%56.25
14	PMA2	Z	001	%56.25
15	PMA2	X	019	%25
16	PMA2	Z	011	%25
17	PMA2	X	011	<b>%2</b> 5
18	PMA2	Z	006	%25
19	PMA3	X	007	%9.635
20	PMA3	Z	004	%9.635



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Member Point Loads (BLC 23: Wind 300 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
21	PMA3	X	007	<u>%40.365</u>
22	PMA3	Z	004	%40.365
23	PMA3	X	019	%25
24	PMA3	Z	011	%25
25	PMA4	X	013	0
26	PMA4	Z	008	0
27	PMA4	X	013	%50
28	PMA4	Z	008	%50
29	PMA4	X	005	%25
30	PMA4	Z	003	%25
31	PMB1	X	015	0
32	PMB1	Z	008	0
33	PMB1	X	015	%50
	PMB1	Z	008	%50
34		X	014	%25
35	PMB1	^	014	%25
36	PMB1			0
37	PMB2	X	056	0
38	PMB2	Z	033	
39	PMB2	<u>X</u>	056	<u>%62.5</u>
10	PMB2	Z	033	%62.5
11	PMB2	X	004	<u>%25</u>
12	PMB2	Z	002	%25
13	PMB2	X	014	%25
14	PMB2	Z	008	%25
15	PMB3	X	01	<u>%9.635</u>
16	PMB3	Z	006	%9.635
47	PMB3	X	01	_%40.365
18	PMB3	Z	006	%40.365
19	PMB3	Χ	014	%25
50	PMB3	Z	008	%25
51	PMB4	Х	015	0
52	PMB4	Z	008	0
53	PMB4	X	015	%50
54	PMB4	Z	008	%50
55	PMB4	X	004	%25
56	PMB4	Z	002	%25
57	PMC1	X	013	0
58	PMC1	Z	008	0
59	PMC1	X	013	%50
50	PMC1	Z	008	%50
	PMC1	X	-,01	%25
61 62	PMC1	Z	006	%25
		X X	045	0
63	PMC2	<u>X</u>	026	0
64	PMC2	X	026	%62.5
35	PMC2	X		%62.5
66	PMC2	Z	026	
67	PMC2	X	002	0
88	PMC2	Z	001	0 0 0 0 5
39	PMC2	X	002	%56.25
70	PMC2	Z	001	<u>%56.25</u>
71	PMC2	Χ	005	%25
72	PMC2	Z	003	%25



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Member Point Loads (BLC 23: Wind 300 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
73	PMC2	Χ	01	%25
74	PMC2	Z	006	%25
75	PMC3	Χ	007	%9.635
76	PMC3	Z	004	%9.635
77	PMC3	Χ	007	%40.365
78	PMC3	Z	004	%40.365
79	PMC3	X	005	%25
80	PMC3	Z	003	%25
81	PMC4	X	013	0
82	PMC4	Z	008	0
83	PMC4	X	013	%50
84	PMC4	Z	008	%50

Member Point Loads (BLC 24: Wind 330 Deg - Ice)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	008	0
2	PMA1	Z	014	0
. 3	PMA1	Х	008	%50
4	PMA1	Z	014	%50
5	PMA1	X	003	%25
6	PMA1	Z	004	%25
7	PMA2	X	03	0
8	PMA2	Z	052	0
9	PMA2	X	03	%62.5
10	PMA2	Z	052	%62 <i>.</i> 5
11	PMA2	X	000408	0
12	PMA2	Z	000706	0
13	PMA2	X	000408	%56.25
14	PMA2	Z	000706	%56.25
15	PMA2	X	015	%25
16	PMA2	Z	027	%25
17	PMA2	X	007	%25
18	PMA2	Z	013	%25
19	PMA3	X	005	%9.635
20	PMA3	Z	009	%9.635
21	PMA3	Χ	005	%40.365
22	PMA3	Z	009	%40.365
23	PMA3	X	015	%25
24	PMA3	Z	027	%25
25	PMA4	Χ	008	0
26	PMA4	Z	014	0
27	PMA4	X	008	%50
28	PMA4	Z	014	%50
29	PMA4	X	004	%25
30	PMA4	Z	007	%25
31	PMB1	X	008	0
32	PMB1	Z	014	0
33	PMB1	X	008	%50
34	PMB1	Z	014	%50
35	PMB1	X	007	%25
36	PMB1	Z	013	%25



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## Member Point Loads (BLC 24: Wind 330 Deg - Ice) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
37	PMB2	X	03	0
38	PMB2	Z	052	0
39	PMB2	X	03	%62.5
40	PMB2	Z	052	%62.5
41	PMB2	X	000408	0
42	PMB2	Z	000706	0
43	PMB2	X	000408	%56.25
44	PMB2	Z	000706	%56.25
45	PMB2	Х	003	%25
46	PMB2	Z	004	%25
47	PMB2	X	007	%25
48	PMB2	Z	013	%25
49	PMB3	X	005	%9.635
50	PMB3	Z	009	%9.635
51	PMB3	X	005	%40.365
52	PMB3	Z	009	%40.365
53	PMB3	X	007	%25
54	PMB3	Z	012	%25
55	PMB4	X	008	0
56	PMB4	Z	014	0
57	PMB4	Х	008	%50
58	PMB4	Z	014	%50
59	PMB4	X	003	%25
60	PMB4	Z	004	%25
61	PMC1	X	007	0
62	PMC1	Z	013	0
63	PMC1	Х	007	%50
64	PMC1	Z	013	%50
65	PMC1	Х	005	%25
66	PMC1	Z	009	%25
67	PMC2	X	024	0
68	PMC2	Z	041	0
69	PMC2	X	024	%62.5
70	PMC2	Z	041	%62.5
71	PMC2	X	002	0
72	PMC2	Z	003	0
73	PMC2	X	002	%56.25
74	PMC2	Z	003	%56.25
75	PMC2	Χ	003	%25
76	PMC2	Z	005	%25
77	PMC2	X	005	%25
78	PMC2	Z	009	%25
79	PMC3	X	003	<u>%</u> 9.635
80	PMC3	Z	006	%9.635
81	PMC3	X	003	%40.365
82	PMC3	Z	006	%40.365
83	PMC3	Z X	003	%25
84	PMC3	Z	005	%25
85	PMC4	X	007	0
86	PMC4	Z	013	0
87	PMC4	X	007	%50
88	PMC4	Z	013	%50



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### Member Point Loads (BLC 25: Wind 0 Deg - Maintenance)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
1	PMA1	Z	004	0
2	PMA1	Z <sup>1</sup>	004	%50
3	PMA1	Z	000746	%25
4	PMA2	Z	018	0
5	PMA2	Z	018	%62.5
6	PMA2	Z	01	%25
7	PMA2	Z	004	%25
8	PMA3	Z	003	%9.635
9	PMA3	Z	003	%40.365
10	PMA3	Z	01	%25
11	PMA4	Z	004	0
12	PMA4	Z	004	%50
13	PMA4	Z	002	%25
14	PMB1	Z	004	0
15	PMB1		004	%50
16	PMB1	Z	003	%25
17	PMB2	Z	014	0
18	PMB2	Z	014	%62.5
19	PMB2	Z	000304	0
20	PMB2	Z	000304	%56.25
21	PMB2	Z	000964	%25
22	PMB2	Z	003	%25
23	PMB3	Z	002	%9.635
24	PMB3	Z	002	%40.365
25	PMB3	Z	002	%25
26	PMB4	Z	004	0
27	PMB4	Z	004	%50
28	PMB4	Z	000964	%25
29	PMC1	Z	004	0
30	PMC1	Z	004	%50
31	PMC1	Z	002	% <b>2</b> 5
32	PMC2	Z	014	0
33	PMC2	Z	014	%62.5
34	PMC2	Z	000304	0
35	PMC2	Z	000304	%56.25
36	PMC2	Z	001	%25
37	PMC2	Z	002	%25
38	PMC3	Z	002	%9.635
39	PMC3	Z	002	%40.365
40	PMC3	Z	001	%25
41	PMC4	Z	004	0
42	PMC4	Z	004	%50
76-	INIOT		J	,,,,,,

#### Member Point Loads (BLC 26: Wind 30 Deg - Maintenance)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
1	PMA1	X	.002	0
2	PMA1	Z	004	0
3	PMA1	X	.002	%50
4	PMA1	Z	004	%50
5	PMA1	X	.000409	%25
6	PMA1	Z	000709	%25



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Member Point Loads (BLC 26: Wind 30 Deg - Maintenance) (Continued)

	Memberiabel	Direction	Magnitude[k,k-ft]	Location [in,%]
7	Member Label PMA2	X	.008	0
8	PMA2	Ž	015	0
9	PMA2	X	.008	%62.5
. 10	PMA2	Z	015	%62.5
11	PMA2	X	5.1e-5	0
12	PMA2	Z	-8.8e-5	0
13	PMA2	X	5.1e-5	%56.25
14	PMA2	Z	-8.8e-5	%56.25
15	PMA2	X	.004	%25
16	PMA2	Z	007	%25
17	PMA2	X	.002	%25
18	PMA2	Z	003	%25
19	PMA3	X	.001	%9.635
20	PMA3	Z	002	%9.635
21	PMA3	X	.001	%40.365
22	PMA3	Z	002	%40.365
	PMA3	X	.004	%25
23	PMA3	Z	007	%25
24	PMA4	X	.002	0
25	PMA4	Z	004	0
26		X	.002	%50
27	PMA4	Ž	004	%50 %50
28	PMA4	X	.000758	%25
29	PMA4	Z	001	%25
30	PMA4		.002	0
31	PMB1	X	003	0
32	PMB1	Z X	.003	%50
33	PMB1	Z	003	%50 %50
34	PMB1	X	003	%25
35	PMB1	Z	002	%25
36	PMB1		.002	0
37	PMB2	X Z	01	0
38	PMB2		.006	%62.5
39	PMB2	X	01	%62.5
40	PMB2	X	.000203	0
41	PMB2	^	000351	0
42	PMB2	<u> </u>	.000203	%56.25
43	PMB2	Z	000351	%56.25
44	PMB2 PMB2	X X	.000519	%25
45	PMB2	Z	000898	%25 . %25
46	PMB2	X	000898	%25
47		<u> </u>	002	%25
48	PMB2	X X	.002	%9.635
50	PMB3 PMB3	Z	001	%9.635
51	PMB3	X	.000644	%40.365
52	PMB3	Z	001	%40.365
53	PMB3	X X	.001	%25
	PMB3	Z	002	%25
54 55	PMB4	X	.002	0
56	PMB4	Z	003	0
57	PMB4	X	.002	%50
58	PMB4	Z	003	%50
20	<u> </u>	<u> </u>	003	/000



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Member Point Loads (BLC 26: Wind 30 Deg - Maintenance) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in,%]
59	PMB4	X	.000519	%25
60	PMB4	Z	000898	%25
61	PMC1	X	.002	0
62	PMC1	Z	004	0
63	PMC1	X	.002	%50
64	PMC1	Z	004	%50
65	PMC1	X	.002	%25
66	PMC1	Z	003	%25
67	PMC2	X	.008	0
68	PMC2	Z	015	0
69	PMC2	X	.008	%62.5
70	PMC2	Z	015	%62.5
71	PMC2	X	5.1e-5	0
72	PMC2	Z	-8.8e-5	0
73	PMC2	X	5.1e-5	%56 <u>.25</u>
74	PMC2	Z	-8.8e-5	%56.25
75	PMC2	X	.000758	%25
76	PMC2	Z	001	%25
77	PMC2	X	.002	%25
78	PMC2	Z	003	%25
79	PMC3	X	.001	%9.635
80	PMC3	Z	002	%9.635
81	PMC3	X	.001	%40.365
82	PMC3	Z	002	%40.365
83	PMC3	X	.000758	%25
84	PMC3	Z	001	%25
85	PMC4	X	.002	0
86	PMC4	Z	004	0
87	PMC4	X	.002	%50
88	PMC4	Z	004	%50

Member Point Loads (BLC 27: Wind 60 Deg - Maintenance)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
1	PMA1	X	.003	0
2	PMA1	Z	002	0
3	PMA1	X	.003	%50
4	PMA1	Z	002	%50
5	PMA1	X	.000835	%25
6	PMA1	Z	000482	%25
7	PMA2	Χ	.012	0
8	PMA2	Z	007	0
9	PMA2	X	.012	<u>%62.5</u>
10	PMA2	Z	007	%62.5
11	PMA2	X	.000263	<u>0</u> ·
12	PMA2	Z	000152	0
13	PMA2	X	.000263	%56.25
14	PMA2	Z	000152	%56.25
15	PMA2	Χ	.005	%25
16	PMA2	Z	003	%25
17	PMA2	X	.002	%25
18	PMA2	Z	001	<u>%25</u>



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Member Point Loads (BLC 27: Wind 60 Deg - Maintenance) (Continued)

	DEL FORM LOAUS (BLC 27 . )	<u> </u>		Location Fig. 9/1
10	Member Label	Direction	Magnitude [k,k-ft]	Location [in, %] %9.635
19	PMA3	X	.001	%9.635
20	PMA3	<u>Z</u>	000851	
21	PMA3	X	.001	%40.365 %40.365
22	PMA3	<u>Z</u>	000851	%40.365
23	PMA3	X	.005	%25
24	PMA3		003	<u>%25</u>
25	PMA4	X	.003	0
26	PMA4	Z	002	0
27	PMA4	X	.003	%50
28	PMA4	Z	002	%50
.29	PMA4	X	.000929	%25
30	PMA4	Z	000536	%25
31	PMB1	X	.003	0
32	PMB1	Z	002	0
33	PMB1	X	.003	%50
34	PMB1	Z	002	%50
35	PMB1	Χ	.002	%25
36	PMB1	Z	001	%25
37	PMB2	X	.012	0
38	PMB2	Z	007	0
39	PMB2	X	.012	%62.5
40	PMB2	Z	007	%62.5
41	PMB2	X	.000263	0
42	PMB2	Z	000152	0
43	PMB2	X	.000263	%56.25
44	PMB2	Z	000152	%56.25
45	PMB2	X	.000835	%25
46	PMB2	Z	000482	%25
47	PMB2	X X	.002	%25
	PMB2	Z	001	%25
48		X X	.001	%9.635
49	PMB3	^	000851	%9.635
50	PMB3	X X	.001	%40.365
51	PMB3			%40.365
52	PMB3	Z	000851	%40.365 %25
53	PMB3	X	.002	
54	PMB3	Z	001	%25
55	PMB4	X	.003	0
56	PMB4	Z	002	0
57	PMB4	X	.003	%50
58	PMB4	Z	002	<u>%50</u>
59	PMB4	X .	.000835	%25
60	PMB4	Z .	000482	<u>%25</u>
61	PMC1	_X	.004	0
62	PMC1	Z	002	0
63	PMC1	X	.004	%50
64	PMC1	Z	002	%50
65	PMC1	X	.003	%25
66	PMC1	Z	002	%25
67	PMC2	X	.016	0
68	PMC2	Z	009	0
69	PMC2	X	.016	%62.5
70	PMC2	Z	009	%62.5



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Member Point Loads (BLC 27: Wind 60 Deg - Maintenance) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in,%]
71	PMC2	X	.002	%25
72	PMC2	Z	000868	%25
73	PMC2	X	.003	%25
74	PMC2	Z	002	<b>%2</b> 5
75	PMC3	X	.003	%9.635
76	PMC3	Z	001	%9.635
77	PMC3	X	.003	%40.365
78	PMC3	Z	001	%40.365
79	PMC3	X	.002	%25
80	PMC3	Z	000868	%25
81	PMC4	X	.004	0
82	PMC4	Z	002	0
83	PMC4	Χ	.004	%50
84	PMC4	Z	002	%50

### Member Point Loads (BLC 28: Wind 90 Deg - Maintenance)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	.004	0
2	PMA1	X	.004	%50
3	PMA1	X	.001	%25
4	PMA2	X	.012	0
5	PMA2	X	.012	%62.5
6	PMA2	X	.000405	0
7	PMA2	X	.000405	%56.25
8	PMA2	X	.004	%25
9	PMA2	X	.003	%25
10	PMA3	X	.001	%9.635
11	PMA3	X	.001	%40.365
12	PMA3	X	.004	%25
13	PMA4	X	.004	0
14	PMA4	X	.004	%50
15	PMA4	X	.000852	%25
16	PMB1	X	.004	0
17	PMB1	X	.004	%50
18	PMB1	Х	.003	%25
19	PMB2	X	.017	0
20	PMB2	X	.017	%62.5
21	PMB2	X	.000101	0
22	PMB2	X	.000101	%56.25
23	PMB2	X	.000819	%25
24	PMB2	X	.003	%25
25	PMB3	X	.003	%9.635
26	PMB3	Х	.003	%40.365
27	PMB3	Χ	.003	%25
28	PMB4	Х	.004	0
29	PMB4	X	.004	%50
30	PMB4	X	.000819	%25
31	PMC1	X	.004	0
32	PMC1	X	.004	%50
33	PMC1	Χ	.003	%25
34	PMC2	X	.017	0



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# Member Point Loads (BLC 28: Wind 90 Deg - Maintenance) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
35	PMC2	Х	.017	%62.5
36	PMC2	X	.000101	0
37	PMC2	X	.000101	%56.25
38	PMC2	X	.002	%25
39	PMC2	X	.003	%25
40	PMC3	X	.003	%9.635
_41	PMC3	X	.003	%40.365
42	PMC3	X	.002	%25
43	PMC4	X	.004	0
44	PMC4	X	.004	%50

### Member Point Loads (BLC 29: Wind 120 Deg - Maintenance)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	. X	.003	0
2	PMA1	Z	.002	0
3	PMA1	X	.003	%50
4	PMA1	Z	.002	%50
5	PMA1	X	.000835	%25
6	PMA1	Z	.000482	%25
7	PMA2	Χ	.012	0
8	PMA2	Z	.007	0
9	PMA2	X	.012	%62.5
10	PMA2	Z	.007	%62.5
11	PMA2	X	.000263	0
12	PMA2	Z	.000152	. 0
13	PMA2	X	.000263	%56.25
14	PMA2	Z	.000152	%56.25
15	PMA2	X	.005	%25
16	PMA2	Z	.003	%25
17	PMA2	X	.002	%25
18	PMA2	Z	.001	%25
19	PMA3	X	.001	%9.635
20	PMA3	_ <u>Z</u>	.000851	%9.635
21	PMA3	X	.001	%40.365
22	PMA3	Z	.000851	%40.365
23	PMA3	X	.005	%25
24	PMA3	Z	.003	%25
25	PMA4	X	.003	0
26	PMA4	Z	.002	0
27	PMA4	X	.003	%50
28	PMA4	Z	.002	%50
29	PMA4	X	.000929	%25
30	PMA4	Z	.000536	%25
31	PMB1	X	.004	0
32	PMB1	Z .	.002	0
33	PMB1	X	.004	%50
34	PMB1	Z	.002	%50
35	PMB1	X	.003	%25
_36	PMB1	Z	.002	%25
37	PMB2	X	.016	0
38	PMB2	Z	.009	0



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Member Point Loads (BLC 29: Wind 120 Deg - Maintenance) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
39	PMB2	X	.016	%62.5
40	PMB2	Z	.009	%62.5
41	PMB2	X	.000646	%25
42	PMB2	Z	.000373	%25
43	PMB2	X	.003	%25
44	PMB2	Z	.002	%25
45	PMB3	X	.003	%9.635
46	PMB3	Z	.001	%9.635
47	PMB3	X	.003	%40.365
48	PMB3	Z	.001	%40.365
49	PMB3	Х	.003	%25
50	PMB3	Z	.002	%25
51	PMB4	X	.004	0
52	PMB4	Z	.002	0
53	PMB4	X	.004	%50
54	PMB4	Z	.002	%50
55	PMB4	X	.000646	%25
56	PMB4	Z	.000373	%25
57	PMC1	X	.003	0
58	PMC1	Z	.002	0
59	PMC1	X	.003	%50
60	PMC1	Z	.002	%50
61	PMC1	X	.002	%25
62	PMC1	Z	.001	%25
63	PMC2	X	.012	0
64	PMC2	Z	.007	0
65	PMC2	X	.012	%62.5
66	PMC2	Z	.007	%62.5
67	PMC2	X	.000263	0
68	PMC2	Z	.000152	0
69	PMC2	Χ	.000263	%56.25
70	PMC2	Z	.000152	%56.25
71	PMC2	X	.000929	%25
72	PMC2	Z	.000536	%25
73	PMC2	X	.002	%25
74	PMC2	Z	.001	%25
75	PMC3	X	.001	%9.635
76	PMC3	Z	.000851	%9.635
77	PMC3	X	.001	%40.365
78	PMC3	Z	.000851	%40.365
79	PMC3	X	.000929	%25
80	PMC3	Z	.000536	%25
81	PMC4	X	.003	0
82	PMC4	Z	.002	0
83	PMC4	X	.003	%50
84	PMC4	Z	.002	%50

### Member Point Loads (BLC 30: Wind 150 Deg - Maintenance)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
1	PMA1	Χ	.002	0
2	PMA1	Z	.004	0



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Member Point Loads (BLC 30: Wind 150 Deg - Maintenance) (Continued)

	Manakaalahat	wing 150 Deg - Mai		
3	Member Label PMA1	Direction	Magnitude [k,k-ft]	Location [in,%]
4	PMA1	X 7	.002	<u>%50</u>
5	PMA1	Z	.004	%50 24.0 <b>5</b>
6		X	.000409	%25
7	PMA1	Z	.000709	<u>%25</u>
	PMA2	X	.008	0
8	PMA2		.015	0
9	PMA2	X	.008	%62.5
10	PMA2	Z	.015	<u>%62.5</u>
11	PMA2	X	5.1e-5	0
12	PMA2	Z	8.8e-5	0
13	PMA2	X	5.1e-5	<u>%56.25</u>
14	PMA2	Z	8.8e-5	<u>%56.25</u>
15	PMA2	X	.004	<b>%2</b> 5
16	PMA2	Z	.007	%25
17	PMA2	X	.002	%25
18	PMA2	Z	.003	%25
19	PMA3	X	.001	%9.635
20	PMA3	Z	.002	%9.635
21	PMA3	X	.001	%40.365
22	PMA3	Z	.002	%40.365
23	PMA3	X	.004	%25
24	PMA3	Z	.007	%25
25	PMA4	X	.002	0
26	PMA4	Z	.002	0
27	PMA4	X	.004	%50
28	PMA4	Z	.002	%50 %50
29	PMA4	X		
30	PMA4	Z	.000758	%25 %25
31	PMB1	X	.001	<u>%25</u>
32	PMB1	Z	.002	0
33			.004	0
34	PMB1	X	.002	%50
	PMB1	Z	.004	%50
35	PMB1	X	.002	%25
36	PMB1	Z	.003	%25
37	PMB2	X	.008	0
38	PMB2	Z	.015	0
39	PMB2	X	.008	%62.5
40	PMB2	Z	.015	%62.5
41	PMB2	X	5.1e-5	0
42	PMB2	Z	8.8e-5	0
43	PMB2	X	5.1e-5	%56.25
44	PMB2	Z	8.8e-5	%56.25
45	PMB2	Х	.000409	%25
46	PMB2	Z	.000709	%25
47	PMB2	X	.002	%25
48	PMB2	Z	.003	%25
49	РМВ3	Х	.001	%9.635
50	PMB3	Z	.002	%9.635
51	PMB3	X	.001	%40.365
52	PMB3	Z	.002	%40.365 %40.365
53	PMB3	X	.002	%25



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Member Point Loads (BLC 30: Wind 150 Deg - Maintenance) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in, %]
55	PMB4	X	.002	0
56	PMB4	Z	.004	0
57	PMB4	X	.002	%50
58	PMB4	Z	.004	%50
59	PMB4	Х	.000409	%25
60	PMB4	Z	.000709	%25
61	PMC1	X	.002	0
62	PMC1	Z	.003	0
63	PMC1	X	.002	%50
64	PMC1	Z	.003	%50
65	PMC1	X	.001	%25
66	PMC1	Z	.002	%25
67	PMC2	Х	.006	0
68	PMC2	Z	.01	0
69	PMC2	X	.006	%62.5
70	PMC2	Z	.01	%62.5
71	PMC2	X	.000203	0
72	PMC2	Z	.000351	0
73	PMC2	X	.000203	%56.25
74	PMC2	Z	.000351	%56.25
75	PMC2	X	.000426	%25
76	PMC2	Z	.000738	%25
77	PMC2	X	.001	%25
78	PMC2	Z	.002	%25
79	PMC3	X	.000644	%9.635
80	PMC3	Z	.001	%9.635
81	PMC3	X	.000644	%40.365
82	PMC3	Z	.001	%40.365
83	PMC3	X	.000426	%25
84	PMC3	Z	.000738	%25
85	PMC4	X	.002	0
86	PMC4	Z	.003	0
87	PMC4	X	.002	%50
88	PMC4	Z	.003	%50

Member Point Loads (BLC 31: Wind 180 Deg - Maintenance)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	Z	.004	0
2	PMA1	Z	.004	%50
3	PMA1	Z	.000746	%25
4	PMA2	Z	.018	0
5	PMA2	Z	.018	%62.5
6	PMA2	Z	.01	%25
7	PMA2	Z	.004	%25
8	PMA3	Z	.003	%9.635
9	PMA3	Z	.003	%40.365
10	PMA3	Z	.01	%25
11	PMA4	Z	.004	0
12	PMA4	Z	.004	%50
13	PMA4	Z	.002	%25
14	PMB1	Z	.004	0



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Member Point Loads (BLC 31: Wind 180 Deg - Maintenance) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
15	PMB1	Z	.004	%50
16	PMB1	Z	.003	%25
17	PMB2	Z	.014	0
18	PMB2	Z	.014	%62.5
19	PMB2	Z	.000304	0
20	PMB2	Z	.000304	%56.25
21	PMB2	Z	.000964	%25
22	PMB2	Z	.003	%25
23	PMB3	Z	.002	%9.6 <u>35</u>
24	PMB3	Z	.002	%40.365
25	PMB3	Z	.002	%25
26	PMB4	Z	.004	0
27	PMB4	Z	.004	%50
28	PMB4	Z	.000964	%25
29	PMC1	Z	.004	0
30	PMC1	Z	.004	%50
31	PMC1	Z	.002	%25
32	PMC2	Z	.014	0
33	PMC2	Z	.014	%62.5
34	PMC2	Z	.000304	0
35	PMC2	Z	.000304	%56.25
36	PMC2	Z	.001	%25
37	PMC2	Z	.002	%25
. 38	PMC3	Z	.002	%9.635
39	PMC3	Z	.002	%40.365
40	PMC3	Z	.001	%25
41	PMC4	Z	.004	0
42	PMC4	Z	.004	%50

Member Point Loads (BLC 32: Wind 210 Deg - Maintenance)

•	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	002	0
2	PMA1	Z	.004	0
3	PMA1	X	002	%50
4	PMA1	Z	.004	%50
5	PMA1	Χ	000409	%25
6	PMA1	Z	.000709	%25
7	PMA2	Χ	008	0
8	PMA2	Z	.015	0
9	PMA2	. X	008	%62.5
10	PMA2	Z	.015	%62.5
11	PMA2	Χ	-5.1e-5	0
12	PMA2	Z	8.8e-5	0
13	PMA2	X	-5.1e-5	%56.25
14	PMA2	Z	8.8e-5	%56.25
15	PMA2	X	004	%25
16	PMA2	Z	.007	%25
17	PMA2	X	002	%25
18	PMA2	Z	.003	%25_
19	PMA3	X	001	%9.635
20	PMA3	Z	.002	%9.635



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Member Point Loads (BLC 32: Wind 210 Deg - Maintenance) (Continued)

	Der Formt Loads (BEC 32. W			
	Member Label	Direction	Magnitude[k,k-ft]	Location [in, %]
21	PMA3	X	001	%40.365
22	PMA3	Z	.002	%40.365
23	PMA3	X	004	%25
24	PMA3	Z	.007	%25
25	PMA4	Х	002	0
26	PMA4	Z	.004	0
27	PMA4	X	002	%50
. 28	PMA4	. Z	.004	%50
29	PMA4	X	000758	%25
30	PMA4	Z	.001	%25
31	PMB1	X	002	0
32	PMB1	Z	.003	0
33	PMB1	X	002	%50
34	PMB1	Z	.003	%50
35	PMB1	X	001	%25
36	PMB1	Z	.002	%25
37	PMB2	X	006	0
38	PMB2	Z	.01	0
39	PMB2	X	006	%62.5
40	PMB2	Z	.01	%62.5
41	PMB2	X	000203	0
42	PMB2	Z	.000351	0
43	PMB2	. X	000203	%56.25
44	PMB2	Z	.000351	%56.25
45	PMB2	X	000519	%25
46	PMB2	Z	.00898	%25
47	PMB2	X	001	%25
48	PMB2	Z	.002	%25
49	PMB3	: X	000644	%9.635
50	PMB3	Z	.001	%9.635
51	PMB3	X	000644	%40.365
52	PMB3	Z	.001	%40.365
53	PMB3	X	001	%25
54	PMB3	Z	.002	%25
55	PMB4	X	002	0
56	PMB4	Ž	.003	0
57	PMB4	X	002	%50
58	PMB4	Z	.003	%50 %50
59	PMB4	X	000519	%25
60	PMB4	Z	.000898	%25
61	PMC1	X	002	0
62	PMC1	Z	.002	0
63	PMC1	X	002	
64	PMC1	Z	002	%50 %50
65	PMC1	X	002	%25
	PMC1	Z	.002	
66				<u>%25</u>
67	PMC2	X	008	0
68	PMC2	Z	.015	0
69	PMC2	X	008	%62.5
70	PMC2	Z	.015	%62.5
71	PMC2	X	-5.1e-5	0
72	PMC2	Z	8.8e-5	0



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### Member Point Loads (BLC 32: Wind 210 Deg - Maintenance) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in, %]
73	PMC2	Χ	-5.1e-5	%56.25
74	PMC2	Z	8.8e-5	%56.25
75	PMC2	X	000758	%25
76	PMC2	Z	.001	%25
77	PMC2	Х	002	<b>%2</b> 5
78	PMC2	Z	.003	<b>%2</b> 5
79	PMC3	Χ	001	%9.635
80	PMC3	Z	.002	%9.635
81	PMC3	X	001	%40.365
82	PMC3	Z	.002	%40.365
83	PMC3	X	000758	%25
84	PMC3	Z	.001	%25
85	PMC4	X	002	0
86	PMC4	Z	.004	0
87	PMC4	Х	002	%50
88	PMC4	Z	.004	%50

# Member Point Loads (BLC 33: Wind 240 Deg - Maintenance)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
1	PMA1	X	003	0
2	PMA1	Z	.002	0
3	PMA1	X	003	%50
4	PMA1	Z	.002	%50
5	PMA1	X	000835	%25
6	PMA1	Z	.000482	%25
7	PMA2	. X	012	0
8	PMA2	Z	.007	0
9	PMA2	. X	012	%62.5
10	PMA2	Z	.007	%62.5
11	PMA2	X	000263	0
12	PMA2	Z	.000152	0
13	PMA2	X	000263	%56.25
14	PMA2	Z	.000152	%56.25
15	PMA2	X	005	%25
16	PMA2	Z	.003	%25
17	PMA2	X	002	%25
18	PMA2	Z	.001	%25
19	PMA3	X	001	%9.635
20	PMA3	Z	.000851	%9.635
21	PMA3	Х	001	%40.365
22	PMA3	Z	.000851	%40.365
23	PMA3	X	005	%25
24	PMA3	Z	.003	%25
25	PMA4	X	003	0
26	PMA4	Z	.002	0
27	PMA4	Χ	003	%50
28	PMA4	Z	.002	%50
29	PMA4	Χ	000929	%25
30	PMA4	Z	.000536	%25
31	PMB1	X	003	0
32	PMB1	Z	.002	0



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Member Point Loads (BLC 33: Wind 240 Deg - Maintenance) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
33	PMB1	<u> </u>	003	%50
34	PMB1	Z	.002	<u>%50</u>
35	PMB1	X	002	%25
36	PMB1	Z	.001	%25
37	PMB2	X	012	0
38	PMB2	Z	.007	0
39	PMB2	X	012	%62 <i>.</i> 5
40	PMB2	Z	.007	%62.5
41	PMB2	X	000263	0
42	PMB2	Z	.000152	0
43	PMB2	X	000263	%56.25
44	PMB2	Z	.000152	%56.25
45	PMB2	X	000835	%25
46	PMB2	Ž	.000482	% <b>2</b> 5
47	PMB2	X	002	%25
48	PMB2	Z	.001	%25
49	PMB3	X X	001	%9.635
50	PMB3	Z	.000851	%9.635
51	PMB3	X	001	%40.365
52	PMB3	Z	.000851	%40.365 %40.365
53			002	%40.365 %25
	PMB3	X		
54	PMB3	Z	.001	%25
55	PMB4	X	003	0.
56	PMB4	Z	.002	0
57	PMB4	X	003	%50
58	PMB4	Z	.002	%50 24.05
59	PMB4	X	000835	<u>%25</u>
60	PMB4	Z	.000482	<u>%25</u>
61	PMC1	X	004	0
62	PMC1	Z	.002	0
63	PMC1	X	004	%50
64	PMC1	Z	.002	%50
65	PMC1	X	003	%25
66	PMC1	Z	.002	%25
67	PMC2	Χ	016	0
68	PMC2	Z	.009	0
69	PMC2	Χ	<b>016</b>	%62.5
70	PMC2	Z	.009	%62.5
71	PMC2	Х	002	%25
72	PMC2	Z	.000868	%25
73	PMC2	X	003	%25
74	PMC2	Z	.002	%25
75	PMC3	X	003	%9.635
76	PMC3	Z	.001	%9.635
77	PMC3	X	003	%40.365
78	PMC3	Ž	.001	%40.365
79	PMC3	X	002	%25
80	PMC3	Z	.000868	%25
81	PMC4	X	004	0
82	PMC4	Z	.002	0
	PMC4	X	004	<u> </u>
83		۸		
84	PMC4	Z	.002	%50



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Member Point Loads (BLC 34: Wind 270 Deg - Maintenance)

•	Member Label	Direction	Magnitude [k,k-ft]	Location [in,%]
1	PMA1	Х	004	0
2	PMA1	Х	004	%50
3	PMA1	X	001	<u>%25</u>
4	PMA2	X	012	0
5	PMA2	X	012	%62.5
6	PMA2	X	000405	0
7	PMA2	Х	000405	%56.25
8	PMA2	X	004	%25
9	PMA2	Χ	003	%25
10	PMA3	Х	001	%9.635
11	PMA3	X	001	<u>%40.365</u>
12	PMA3	X	004	%25
13	PMA4	X	004	0
14	PMA4	X	004	%50
15	PMA4	X	000852	%25
16	PMB1	X	004	0
17	PMB1	Χ	004	%50
18	PMB1	X	003	%25
19	PMB2	X	- 017	0
20	PMB2	X	017	%62.5
21	PMB2	Χ	000101	0
22	PMB2	X	00 <u>01</u> 01	%56.25
23	PMB2	X	000819	%25
24	PMB2	X	003	%25
25	PMB3	Х	003	%9.635
26	PMB3	X	003	%40.365
27	PMB3	X	- <u>.</u> 003	%25
. 28	PMB4	X	004	0
29	PMB4	X	004	%50
30	PMB4	X	000819	%25
31	PMC1	X	004	0
32	PMC1	X	004	<u></u> %50
33	PMC1	X	003	<u>%25</u>
34	PMC2	X	017	0
35	PMC2	X	017	%62.5
36	PMC2	X	000101	0
37	PMC2	X	000101	%56.25
38	PMC2	X	002	<u>%25</u>
39	PMC2	X	003	%25
40	PMC3	X	003	%9.635
41	PMC3	X	003	%40.365
42	PMC3	X	002	<b>%2</b> 5
43	PMC4	X	004	0
44	PMC4	X	004	%50

Member Point Loads (BLC 35: Wind 300 Deg - Maintenance)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
1	PMA1	X	003	0
2	PMA1	Z	002	0
. 3	PMA1	X	003	%50
4	PMA1	Z	002	%50



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Member Point Loads (BLC 35: Wind 300 Deg - Maintenance) (Continued)

	10 11 11		amteriario of Continuous	
E .	Member Label	Direction	Magnitude[k,k-ft]	Location [in, %]
5	PMA1	X	000835	%25
6	PMA1	Z	000482	%25
7	PMA2	' X	012	0
8	PMA2	Z	007	0
9	PMA2	X	012	%62.5
10	PMA2	Z	007	%62.5
11	PMA2	X	000263	0
12	PMA2	Z	000152	0
13	PMA2	X	000263	%56.25
14	PMA2	Z	000152	%56.25
15	PMA2	X	005	%25
16	PMA2	Z	003	%25
17	PMA2	X	002	%25
_18	PMA2	Z	001	%25
19	PMA3	X	001	%9.635
20	PMA3	Z	000851	%9.635
21	PMA3	Χ	001	%40.365
22	PMA3	Z	000851	%40.365
23	PMA3	: X	005	%25
24	PMA3	Z	003	%25
25	PMA4	X	003	0
26	PMA4	Z	002	0
27	PMA4	X	003	%50
28	PMA4	Z	002	%50
29	PMA4	X	000929	%25
30	PMA4	Z	000536	%25
31	PMB1	X	004	0
32	PMB1	Z	002	0
33	PMB1	X	004	%50
34	PMB1	Z	002	%50
35	PMB1	X	002	%25
36	PMB1	Z	003	%25
37	PMB2	X	016	0
38	PMB2	Z	009	0
39	PMB2	X X	016	%62.5
40	PMB2	Z	009	%62.5
41	PMB2	X	000646	%02.5 %25
42	PMB2	Z		
43	PMB2	<u> </u>	000373	%25 %25
		X Z	003	%25 %25
44 45	PMB2	<u> </u>	002	%25 %0.635
	PMB3	X	003	%9.635 %0.635
46	PMB3	Z	001	%9.635
47	PMB3	X	003	%40.365
48	PMB3	Z	001	%40.365
49	PMB3	X	003	%25
50	PMB3	Z	002	%25
51	PMB4	X	004	0
52	PMB4	Z	002	0
53	PMB4	X	004	%50
54	PMB4	Z	002	%50
55	PMB4	X	000646	%25
56	PMB4	Z	000373	%25



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Member Point Loads (BLC 35: Wind 300 Deg - Maintenance) (Continued)

	Member Label	Direction	Magnitude (k,k-ft)	Location[in,%]
57	PMC1	X	003	0
58	PMC1	Z	002	0
59	PMC1	. X	003	%50
60	PMC1	Z	002	%50
61	PMC1	X	002	%25
62	PMC1	Z	001	%25
63	PMC2	X	012	0
64	PMC2	Z	007	0
65	PMC2	X	012	%62.5
66	PMC2	Z	007	%62.5
67	PMC2	X	000263	0
68	PMC2	Z	000152	0
69	PMC2	X	000263	%56.25
70	PMC2	Z	000152	%56.25
71	PMC2	X	000929	%25
72	PMC2	Z	000536	%25
73	PMC2	X	002	%25
74	PMC2	Z	001	%25
75	PMC3	Х	001	%9.635
76	PMC3	Z	000851	%9.635
77	PMC3	Х	001	%40.365
78	PMC3	Z	000851	%40.365
79	PMC3	X	000929	%25
80	PMC3	Z	000536	%25
81	PMC4	X	003	0
82	PMC4	Z	002	0
83	PMC4	Х	003	%50
84	PMC4	Z	002	%50

Member Point Loads (BLC 36: Wind 330 Deg - Maintenance)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in, %]
_ 1	PMA1	X	002	0
2	PMA1	Z	004	0
3	PMA1	X	002	%50
4	PMA1	Z	004	%50
5	PMA1	X	000409	%25
6	PMA1	Z	000709	%25
7	PMA2	X	008	0
8	PMA2	Z	015	0
9	PMA2	X	008	%62.5
10	PMA2	Z	015	%62.5
_11	PMA2	X	-5.1e-5	0
_12	PMA2	Z	-8.8e-5	0
13	PMA2	X	-5.1e-5	%56.25
14	PMA2	Z	-8.8e-5	%56.25
15	PMA2	X	004	<b>%2</b> 5
16	PMA2	Z	007	%25
17	PMA2	Χ	002	%25
18	PMA2	Z	003	<b>%2</b> 5
19	PMA3	Χ	001	%9.635
20	PMA3	Z	002	%9.635



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Member Point Loads (BLC 36: Wind 330 Deg - Maintenance) (Continued)

	FORTE LUAUS (BLC 30: V	viila ooo beg - iila	interialice) (Continued)	
	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
21	PMA3	X	001	%40.365
22	PMA3	Z	002	%40.365
23	PMA3	X	004	%25
24	PMA3	Z	007	%25
25	PMA4	X	002	0
26	PMA4	Z	004	0
27	PMA4	X	002	%50
28	PMA4	Z	004	%50
29	PMA4	X	000758	%25
30	PMA4	Z	001	%25
31	PMB1	X	002	0
32	PMB1	Z	004	0
33	PMB1	<u> </u>	002	%50
34	PMB1	Z	004	%50
35	PMB1	X	002	%25
_36	PMB1	Z	003	%25
37	PMB2	X	008	0
38	PMB2	Z	015	0
. 39	PMB2	X	008	%62.5
40	PMB2	Z	015	%62.5
41	PMB2	Χ	-5.1e-5	0
42	PMB2	Z	-8.8e-5	0
43	PMB2	X	-5.1e-5	%56.25
44	PMB2	Z	-8.8e-5	%56.25
45	PMB2	X	000409	%25
46	PMB2	Z	000709	%25
47	PMB2	X	002	%25
48	PMB2	Z	003	%25
49	PMB3	X	001	%9.635
50	PMB3	Z	002	%9.635
51	PMB3	Х	001	%40.365
52	PMB3	Z	002	%40.365
_53	PMB3	X	002	%25
54	PMB3	Z	003	%25
55	PMB4	X	002	0
56	PMB4	Z	004	0
57	PMB4	X	002	%50
58	PMB4	Z	004	%50
59	PMB4	Χ	000409	%25
60	PMB4	Z	000709	%25
61	PMC1	X	002	0
62	PMC1	Z	003	0
63	PMC1	X	002	%50
64	PMC1	Z	003	%50
65	PMC1	X	001	%25
66	PMC1	Z	002	%25
67	PMC2	X	006	0
_68	PMC2	Z	01	0
69	PMC2	X	006	%62.5
70	PMC2	Z	01	%62.5
71	PMC2	X	000203	0
72	PMC2	Z	000351	0



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Member Point Loads (BLC 36: Wind 330 Deg - Maintenance) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
73	PMC2	X	000203	%56.25
74	PMC2	Z	000351	%56.25
75	PMC2	X	000426	%25
76	PMC2	Z	000738	<b>%25</b>
77	PMC2	X	001	%25
78	PMC2	Z	002	%25
79	PMC3	X	000644	<u>%9.635</u>
80	PMC3	Z	001	%9.635
81	PMC3	X	000644	<u>%</u> 40.365
82	PMC3	Z	001	%40.365
83	PMC3	X	- 000426	%25
84	PMC3	Z	000738	%25
85	PMC4	X	002	0
86	PMC4	Z	-,003	0
87	PMC4	Χ	002	%5 <u>0</u>
88	PMC4	Z	003	<u>%50</u>

Member Point Loads (BLC 37: Dead)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	Y	008	0
2	PMA1	Y	008	%50
3	PMA1	Υ Υ	021	%25
4	PMA2	Y	063	0
5	PMA2	Y	063	%62.5
6	PMA2	Y	013	0
7	PMA2	Υ	013	%56.25
8	PMA2	Y	044	%25
9	PMA2	Ý	084	%25
10	PMA3	Y	008	%9.635
11	PMA3	Y	008	%40.365
12	PMA3	Y	044	%25
13	PMA4	Υ	008	0
14	PMA4	Y	008	%50
15	PMA4	Y	019	%25
16	PMB1	Y	008	0
17	PMB1	Y	008	%50
18	PMB1	Y	084	%25
19	PMB2	Y	063	0
20	PMB2	Y	063	%62.5
21	PMB2	Y	013	0
22	PMB2	Y	013	%56.25
23	PMB2	Y	021	<u>%25</u>
24	PMB2	Y	084	%25
25	PMB3	Υ	008	%9 <u>.63</u> 5
26	PMB3	Υ	008	%40.365
27	PMB3	Υ	07	%25
28	PMB4	Y	008	0
29	PMB4	Υ	008	%50
30	PMB4	Υ	021	%25
31	PMC1	Y	008	0
32	PMC1	Y	008	%50



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### Member Point Loads (BLC 37: Dead) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in, %]
33	PMC1	Y	07	%25
34	PMC2	Y	063	0
35	PMC2	Υ	063	%62.5
36	PMC2	Y	013	0
37	PMC2	Y	013	%56.25
38	PMC2	Y	019	%25
39	PMC2	Y	07	%25
40	PMC3	Υ	008	%9.635
41	PMC3	Y	008	%40.365
42	PMC3	Y	019	%25
43	PMC4	; Y	008	0
44	PMC4	Υ	008	%50

### Member Point Loads (BLC 38: Dead - Le)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
1	PMA1	<u> </u>	06	0
2	PMA1	Υ	06	%50
3	PMA1	Υ	015	%25
4	PMA2	Υ	221	0
5	PMA2	Υ	221	%62.5
6	PMA2	Υ	018	0
7	PMA2	Υ	018	%56.25
8	PMA2	Υ	115	%25
9	PMA2	Υ	051	%25
10	PMA3	Υ	037	%9.635
11	PMA3	Y	037	%40.365
12	PMA3	Υ	115	%25
13	PMA4	Υ	06	0
14	PMA4	Υ	06	%50
15	PMA4	Y	023	%25
16	PMB1	Υ	06	0
17	PMB1	Υ	06	%50
18	PMB1	Y	051	%25
19	PMB2	Υ	221	0
20	PMB2	Υ	221	%62.5
21	PMB2	Υ	018	0
22	PMB2	Υ	018	%56.25
23	PMB2	Υ	015	%25
24	PMB2	Υ	051	%25
25	PMB3	Υ	037	%9.635
26	PMB3	Y	037	%40.365
27	PMB3	Y	049	%25
28	PMB4	Υ	06	0
29	PMB4	Υ	06	%50
30	PMB4	Υ	015	%25
31	PMC1	Υ	06	0
32	PMC1	Y	06	%50
33	PMC1	Y	049	%25
34	PMC2	Υ	221	0
35	PMC2	Υ	221	%62.5
36	PMC2	Y	018	0



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Member Point Loads (BLC 38: Dead - Lee) (Continued) Member Label Direction Magnitude [k,k-ft] Location [in,%] 37 PMC2 -.018 %56.25 38 PMC2 -.023%25 39 PMC2 -.049 %25 40 PMC3 -.037 %9.635 41 PMC3 %40.365 -.037 42 PMC3 -.023%25 43 PMC4 -.06 0 44 PMC4 -.06 %50 Member Point Loads (BLC 39: Maint. Pipe Load 1) Member Label Direction Magnitude[k,k-ft] Location [in,%] 1 PMC1 -.5 %50 Member Point Loads (BLC 40 : Maint. Pipe Load 2) Member Label Direction Magnitude [k,k-ft] Location[in,%] 1 PMC2 -.5 %50 Member Point Loads (BLC 41: Maint, Pipe Load 3) Member Label Direction Magnitude[k,k-ft] Location [in,%] 1 PMC3 -.5 %50 Member Point Loads (BLC 42: Maint. Pipe Load 4) Member Label Direction Magnitude [k,k-ft] Location [in, %] - 1 PMC4 -.5 %50 Member Point Loads (BLC 43: Maint, Pipe Load 5) Member Label Direction Magnitude[k,k-ft] Location [in, %] 1 PMB1 -.5 %50 Member Point Loads (BLC 44: Maint. Pipe Load 6) Member Label Direction Magnitude [k,k-ft] Location [in, %] 1 PMB2 -,5 %50 Member Point Loads (BLC 45 : Maint. Pipe Load 7) Member Label Direction Magnitude [k,k-ft] Location [in,%] 1 PMB3 -.5 %50 Member Point Loads (BLC 46: Maint. Pipe Load 8) Member Label Direction Magnitude [k,k-ft] Location [in,%] PMB4 -.5 %50 Member Point Loads (BLC 47: Maint. Pipe Load 9) Member Label Direction Magnitude [k,k-ft] Location [in,%] PMA1 -.5 %50

Magnitude [k,k-ft]

Location[in,%]

Direction

Member Point Loads (BLC 48: Maint. Pipe Load 10)

Member Label



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Model Name Member Point Loads (BLC 48: Maint. Pipe Load 10) (Continued) Member Label Direction Magnitude [k, k-ft] Location [in, %] 1 PMA2 -.5 %50 Member Point Loads (BLC 49: Maint. Pipe Load 11) Member Label Direction Magnitude[k,k-ft] Location [in.%] 1 PMA3 -.5 %50 Member Point Loads (BLC 50: Maint. Pipe Load 12) Member Label Magnitude [k,k-ft] Direction Location [in, %] PMA4 -.5 %50 Member Point Loads (BLC 51 : Maint. Horz. Load 1) Member Label Direction Magnitude [k,k-ft] Location [in, %] S1 %50 Member Point Loads (BLC 52 : Maint. Horz. Load 2) Member Label Direction Magnitude [k,k-ft] Location [in, %] 1 **S1** Υ -.25 %100 Member Point Loads (BLC 53: Maint. Horz. Load 3) Member Label Direction Magnitude [k,k-ft] Location [in, %] 1 **S2** -.25 %50 Member Point Loads (BLC 54: Maint, Horz, Load 4) Member Label Direction Magnitude [k,k-ft] Location [in, %] 1 **S2** -.25 0 Member Point Loads (BLC 55: Maint, Horz, Load 5) Member Label Direction Magnitude [k,k-ft] Location [in,%] 1 **S2** -.25 %100 Member Point Loads (BLC 56: Maint. Horz. Load 6) Direction Member Label Magnitude [k,k-ft] Location [in,%] 1 \$3 -.25 %50 Member Point Loads (BLC 57: Maint. Horz. Load 7) Member Label Direction Magnitude [k,k-ft] Location [in, %] 1 **S**3 -.25 0 Member Point Loads (BLC 58: Maint. Horz. Load 8) Member Label Direction Magnitude [k,k-ft] Location [in,%] 1 S3 -.25 %100 Member Point Loads (BLC 59: Maint. Horz. Load 9) Member Label Direction Magnitude [k,k-ft] Location [in.%]

-.25

%50

Υ



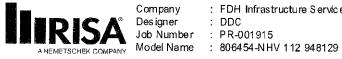
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Member Point Loads (BLC 60: Maint. Horz. Load 10) Member Label Direction Magnitude [k,k-ft] Location [in,%] 1 \$4 -.25 %100 Member Point Loads (BLC 61: Maint. Horz. Load 11) Member Label Direction Magnitude [k,k-ft] Location[in,%] 1 **S**5 -.25 %50 Member Point Loads (BLC 62: Maint. Horz. Load 12) Member Label Direction Magnitude[k,k-ft] Location [in,%] 1 **S**5 -.25 0 Member Point Loads (BLC 63: Maint. Horz. Load 13) Member Label Direction Magnitude[k,k-ft] Location[in,%] : 1 **S**5 Υ %100 -.25 Member Point Loads (BLC 64: Maint. Horz. Load 14) Member Label Direction Magnitude [k,k-ft] Location [in,%] 1 **S6** -.25 %50 Member Point Loads (BLC 65 : Maint. Horz. Load 15) Member Label Direction Magnitude [k,k-ft] Location[in,%] 1 **S6** -.25 0 Member Point Loads (BLC 66: Maint. Horz. Load 16) Member Label Direction Magnitude [k,k-ft] Location [in, %] \_ 1 **S6** %100 -.25 Member Point Loads (BLC 67: Maint, Horz, Load 17) Member Label Direction Magnitude [k,k-ft] Location[in,%] S7 -.25 %50 Member Point Loads (BLC 68: Maint. Horz. Load 18) Member Label Direction Magnitude [k,k-ft] Location [in,%] 1 **S7** -.25 %100 Member Point Loads (BLC 69: Maint. Horz. Load 19) Member Label Direction Magnitude [k,k-ft] Location [in, %] 1 **S8** -.25 %50 Member Point Loads (BLC 70: Maint, Horz, Load 20) Member Label Direction Magnitude [k,k-ft] Location [in,%] 1 **S8** 0 Member Point Loads (BLC 71: Maint. Horz. Load 21) Member Label Direction Magnitude [k,k-ft] Location[in,%] **S8** -.25 %100



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Member Point Load	s <i>(</i> BLC 72 : Ma	int. Horz. Load	22)	
Member	Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1   \$9	)	Υ	25	%50
Member Point Load	s (BLC 73 : Mai	int. Horz. Load	23)	
Member	Label	Direction	Magnitude[k,k-ft]	Location [in, %]
1 59		Y	25	0
Member Point Loads	s (BLC 74 : Mai	int. Horz. Load	24)	
Member	Label	Direction	Magnitude[k,k-ft]	Location [in, %]
1 \$9		Y	25	%100
Member Point Loads	BLC 75 : Mai	nt. Horz. Load	25)	
Member	Label	Direction	Magnitude[k,k-ff]	Location [in,%]
1 CB	1	Y	25	%50
_Member Point Loads	BLC 76 : Mai	nt. Horz. Load	26)	
Member	Label	Direction	Magnitude[k,k-ft]	Location [in, %]
1 CB		Υ Υ	25	0
Member Point Loads	(BLC 77 : Mai	nt. Horz. Load	27)	
Member	Label	Direction	Magnitude[k,k-ft]	Location [in, %]
1 CB	1	Υ	25	%100
Member Point Loads	: (BLC 78 : Mai	nt. Horz. Load	28)	
Member	Label	Direction	Magnitude[k,k-ft]	Location [in, %]
1 CB2		Υ	25	%50
Member Point Loads	(BLC 79 : Mai	nt. Horz. Load 2	29)	
Member	Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1 CB2	2	Υ	25	0
Member Point Loads	(BLC 80 : Mai	nt. Horz. Load 3	30)	
Member	Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1 <u>CB2</u>	2	Y	25	%100
Member Point Loads	(BLC 81: Main	nt. Horz. Load 3	31)	
Member	Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1 CB3	3	Υ	25	%50
Member Point Loads	BLC 82 : Mail	nt. Horz. Load 3	32)	
Member			Magnitude [k.k-ft]	Location fin.%1
Member 1 CB3	Label	Direction Y	Magnitude [k,k-ft] 25	Location[in,%]
	_abel	Direction Y	25	
1 CB3	abel BLC 83: Main	Direction Y	25	



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Member Point Loads (BLC 84 : Maint. Horz. Load 34) Member Label Direction Magnitude[k,k-ft] Location [in,%] 1 G 1 -.25 %50 Member Point Loads (BLC 85: Maint. Horz. Load 35) Member Label Magnitude [k,k-ft] Location [in,%] 1 G 1 -.25 0 Member Point Loads (BLC 86 : Maint. Horz. Load 36) Member Label Direction Magnitude[k,k-ft] Location [in,%] 1 G 1 Υ -.25 %100 Member Point Loads (BLC 87: Maint. Horz. Load 37) Member Label Direction Magnitude[k,k-ft] Location[in,%] 1 G2 -.25 %50 Member Point Loads (BLC 88: Maint, Horz, Load 38) MemberLabel Direction Magnitude [k,k-ft] Location[in,%] G2 -.25 0 Member Point Loads (BLC 89: Maint, Horz, Load 39) Member Label Direction Magnitude [k,k-ft] Location [in, %] 1 G2 -.25 %100 Member Point Loads (BLC 90: Maint, Horz, Load 40) Member Label Direction Magnitude [k,k-ft] Location [in,%] G3 -.25 %50 Member Point Loads (BLC 91: Maint. Horz. Load 41) Member Label Direction Magnitude [k,k-ft] Location [in, %] 1 G3 Υ -.25 Member Point Loads (BLC 92: Maint. Horz. Load 42) Direction Member Label Magnitude [k,k-ft] Location [in, %] G3 -.25 %100 Member Point Loads (BLC 93: Maint. Horz. Load 43) Member Label Direction Magnitude [k,k-ft] Location [in.%] 1 G4 -,25 Member Point Loads (BLC 94: Maint, Horz, Load 44) Member Label Direction Location [in,%] Magnitude [k,k-ft] 1 G4 Υ -.25 Member Point Loads (BLC 95 : Maint, Horz, Load 45) Member Label Direction Magnitude [k,k-ft] Location [in,%] 1 G4 -.25 %100



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Member Point Loads (BLC 96: Maint. Horz. Load 46) Member Labei Direction Magnitude[k,k-ft] Location[in,%] 1 G 5 -.25 %50 Member Point Loads (BLC 97: Maint, Horz, Load 47) Member Label Direction Location[in,%] Magnitude [k,k-ft] 1 G5 -.25 0 Member Point Loads (BLC 98: Maint, Horz, Load 48) Member Label Direction Magnitude[k,k-ft] Location [in,%] G5 -.25 %100 Member Point Loads (BLC 99: Maint, Horz, Load 49) Member Label Direction Magnitude [k,k-ft] Location[in,%] 1 G6 -.25 %50 Member Point Loads (BLC 100 : Maint, Horz, Load 50) Member Label Direction Magnitude [k,k-ft] Location [in, %] G6 -.25 0 Member Point Loads (BLC 101: Maint. Horz. Load 51) Member Label Direction Magnitude[k,k-ft] Location [in,%] 1 G6 -.25 %100 Member Point Loads (BLC 102 : Maint. Horz. Load 52) Member Label Direction Magnitude[k,k-ft] Location [in, %] C1 -.25 %50 Member Point Loads (BLC 103: Maint. Horz. Load 53) Member Labei Direction Magnitude [k,k-ft] Location [in, %] 1 C 1 -.25 Member Point Loads (BLC 104: Maint, Horz, Load 54) Member Label Direction Magnitude [k,k-ft] Location [in,%] C 1 -.25 %100 Member Point Loads (BLC 105 : Maint. Horz. Load 55) Member Label Direction Magnitude [k,k-ft] Location [in, %] C2 -.25 %50 Member Point Loads (BLC 106: Maint. Horz. Load 56) Member Label Location [in,%] Direction Magnitude [k,k-ft] 1 C2 -.25 <u>Member Point Loads (BLC 107 : Maint. Horz. Load 57)</u> Member Label Direction Magnitude [k,k-ft] Location[in,%] C2 -.25 %100



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Member Point Loads	BLC 108 : Maint	. Horz. Load 58)		
Member		Direction	Magnitude [k,k-ft]	Location[in,%]
<u>1</u> C3		Υ	25	%50
Member Point Loads	BLC 109 : Maint	. Horz. Load 59)		
Member		Direction	Magnitude [k,k-ft]	Location [in,%]
1 C3		Υ	25	0
Member Point Loads	6 (BLC 110 : Maint	. Horz. Load 60)		
Member	Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1 C3		Υ	25	%100
Member Point Loads	BLC 111 : Maint.	Horz. Load 61)		
Member		Direction	Magnitude [k,k-ft]	Location [in,%]
1 HRC	_	Υ	25	%50
Member Point Loads	(BLC 112 : Maint.	Horz. Load 62)		
Member		Direction	Magnitude[k,k-ft]	Location[in,%]
1 HRC		Υ	25	0
Member Point Loads	BLC 113: Maint.	Horz. Load 63)		
Member I		Direction	Magnitude[k,k-ft]	Location [in,%]
HRC	<u> </u>	Υ	25	%100
Member Point Loads	BLC 114 : Maint.	Horz. Load 64)		
Memberl	Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1 HRB	3	<u>Y</u> :	25	%50
Member Point Loads	(BLC 115: Maint.	Horz. Load 65)		
Member !		Direction	Magnitude[k,k-ft]	Location[in,%]
1 HRB		Υ !	25	0
Member Point Loads	(BLC 116 : Maint.	Horz. Load 66)		
Member L		Direction	Magnitude [k,k-ft]	Location[in,%]
1 HRB	}	Υ	25	%100
Member Point Loads	(BLC 117 : Maint.	Horz. Load 67)		
Member L		Direction	Magnitude [k,k-ft]	Location[in,%]
1 HRA	<u>.                                    </u>	Υ	25	%50
Member Point Loads	(BLC 118 : Maint.	Horz. Load 68)		
MemberL		Direction	Magnitude [k,k-ft]	Location [in, %]
1 HRA	i	Υ	25	0
Member Point Loads	(BLC 119 : Maint.	Horz. Load 69)		
<u>Member L</u>		Direction	Magnitude [k,k-ft]	Location[in,%]
1 HRA	· · · · · · · · · · · · · · · · · · ·	_ Y	25	%100



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Member Point Loads (BLC 120 : Earthquake 0 Deg)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
1	PMA1	Z	000785	0
2	PMA1	Z	000785	%50
3	PMA1	Z	002	%25
4	PMA2	Z	006	0
5	PMA2	Z	006	%62.5
6	PMA2	Z	001	0
7	PMA2	· Z	001	%56.25
8	PMA2	Z	004	%25
9	PMA2	Z	008	%25
10	PMA3	Z	00081	%9.635
11	PMA3	Z	00081	%40.365
12	PMA3	Z	004	%25
13	PMA4	Z	000785	0
14	PMA4	Z	000785	%50
15	PMA4	Z	002	%25
16	PMB1	Z	000785	0
17	PMB1	Z	000785	%50
18	PMB1	Z	008	%25
19	PMB2	Z	006	0
20	PMB2	Z	006	%62.5
21	PMB2	Z	001	0
22	PMB2	Z	001	%56.25
23	PMB2	Z	002	%25
24	PMB2	Z	008	%25
25	PMB3	Z	00081	%9.635
26	PMB3	Z	00081	%40.365
27	PMB3_	Z	007	%25
28	PMB4	Z	000785	0
29	PMB4	Z	000785	%50
30	PMB4	Z	002	%25
31	PMC1	Z	000785	0
32	PMC1	Z	000785	%50
33	PMC1	Z	007	%25
_34	PMC2	Z	006	0
35	PMC2	Z	006	%62.5
36	PMC2	Z	001	0
37	PMC2	Z	001	%56.25
38	PMC2	Z	002	%25
39	PMC2	Z	007	%25
40	PMC3	Z	00081	%9.635
41	PMC3	Z	00081	%40.365
42	PMC3	Z	002	%25
43	PMC4	Z	000785	0
44	PMC4	Z	000785	%50

Member Point Loads (BLC 121: Earthquake 30 Deg)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in.%]
1	PMA1	X	.000393	0
2	PMA1	Z	00068	0
3	PMA1	X	.000393	%50
4	PMA1	Z	00068	%50



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# Member Point Loads (BLC 121 : Earthquake 30 Deg) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in,%]
5	PMA1	X	.001	%25
6	PMA1	Z	002	%25
7	PMA2	. X	.003	0
8	PMA2	Z	005	0
9	PMA2	X	.003	%62.5
10	PMA2	Z	005	%62.5
11	PMA2	X	.000638	0
12	PMA2	Z	001	0
13	PMA2	X	.000638	%56.25
14	PMA2	Z	001	%56.25
15	PMA2	X	.002	%25
16	PMA2	Ž	004	%25
17	PMA2	X	.004	%25
18	PMA2	Z	007	%25 %25
19	PMA3	X	.000405	%9.635
20	PMA3	Z	000701	%9.635
21	PMA3	X	.000405	%40.365
22	PMA3	Z	000701	%40.365
23		X	.002	%40.363 %25
24	PMA3	Z	-,004	%25 %25
	PMA3 PMA4			
25		X	.000393	0
26	PMA4	Z	00068	0
27	PMA4	X	.000393	%50 27.50
28	PMA4	Z	00068	%50
29	PMA4	<u>X</u>	.000915	%25
30	PMA4	Z	002	%25
31	PMB1	X	.000393	0
32	PMB1	Z	00068	0
33	PMB1	X	.000393	%50
34	PMB1	Z	00068	%50
35	PMB1	X	.004	%25
36	PMB1	Z	007	%25
37	PMB2	. X	.003	0
38	PMB2	Z	005	0
39	PMB2	X	.003	%62.5
40	PMB2	Z	005	%62.5
41	PMB2	X	.000638	0
42	PMB2	Z	001	0 .
43	PMB2	<u>X</u>	.000638	%56.25
44	PMB2	Z	001	%56.25
45	PMB2	Χ	.001	%25
46	PMB2	Z	002	%25
47	PMB2	Χ	.004	%25
48	PMB2	Z	007	%25
49	PMB3	X	.000405	%9.635
50	PMB3	. <b>Z</b>	000701	%9.635
51	PMB3	X	.000405	%40.365
52	PMB3	Z	000701	%40.365
53	PMB3	X	.003	%25
54	PMB3	Z	006	%25
55	PMB4	X	.000393	. 0
56	PMB4	Z	00068	0 .
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Member Point Loads (BLC 121 : Earthquake 30 Deg) (Continued)

	<del></del>		77 10011 41114 647	
	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
57	PMB4	X	.000393	%50
58	PMB4	Z	00068	%50
59	PMB4	X	.001	%25
60	PMB4	· Z	002	%25
61	PMC1	X	.000393	0
62	PMC1	Z	00068	0
63	PMC1	Х	.000393	%50
64	PMC1	Z	00068	%50
65	PMC1	Χ	.003	%25
66	PMC1	Z	006	%25
67	PMC2	X	.003	0
68	PMC2	Z	005	0
69	PMC2	Χ	.003	%62.5
70	PMC2	Z	005	%62.5
71	PMC2	X	.000638	0
72	PMC2	Z	001	0
73	PMC2	X	.000638	%56.25
74	PMC2	Z	001	%56.25
75	PMC2	Χ	.000915	%25
76	PMC2	Z	002	%25
77	PMC2	X	.003	%25
78	PMC2	Z	006	%25
79	PMC3	X	.000405	%9.635
80	PMC3	Z	000701	%9.635
81	PMC3	X	.000405	%40.365
82	PMC3	Z	000701	%40.365
83	PMC3	X	.000913	%25
84	PMC3	Z	002	%25
85	PMC4	X	.000393	0
86	PMC4	Z	00068	0
87	PMC4	X	.000393	%50
88	PMC4	Z	00068	%50

Member Point Loads (BLC 122 : Earthquake 60 Deg)

_	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	.00068	0
2	PMA1	Z	000393	0
3	PMA1	X	.00068	%50
4	PMA1	Z	000393	%50
5	PMA1	X	.002	%25
6	PMA1	Z	001	%25
7	PMA2	X	.005	0
8	PMA2	Z	003	0
9	PMA2	. X	.005	%62.5
10	PMA2	Z	003	%62.5
11	PMA2	X	.001	0
12	PMA2	Z	000638	0
13	PMA2	X	.001	%56.25
14	PMA2	Z	000638	%56.25
15	PMA2	X	.004	%25
16	PMA2	Z	002	%25



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Member Point Loads (BLC 122 : Earthquake 60 Deg) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in,%]
17	PMA2	X	.007	%25
18	PMA2	Z	004	%25
19	PMA3	X	.000701	%9.635
20	PMA3	Z	000405	%9.635
21	PMA3	X	.000701	%40.365
22	PMA3	Z	000405	%40.365
23	PMA3	X	.004	%25
24	PMA3	Z	002	%25
25	PMA4	X	.00068	0
26	PMA4	Z	000393	0
27	PMA4	X	.00068	%50
28	PMA4	Ž	000393	<del>%50</del>
29	PMA4	X	.002	%25
30	PMA4	Z	000915	%25
31	PMB1	X	.00068	0
32	PMB1	Z	000393	0
33	PMB1	X	.000393	0 %50
34	PMB1	Z		
35			000393	%50 0/.05
36	PMB1	X	.007	%25 0/05
	PMB1	Z	004	%25
37	PMB2	X	.005	0
38	PMB2	Z	003	0
39	PMB2	X	.005	%62.5
40	PMB2	Z	003	%62.5
41	PMB2	<u>X</u>	.001	0
42	PMB2	Z	000638	0
43	PMB2	X	.001	%56.25
44	PMB2	Z	000638	%56.25
_45	PMB2	X	.002	%25
46	PMB2	Z	001	%25
_47	PMB2	X	.007	<u>%2</u> 5
48	PMB2	Z	004	<b>%25</b>
49	PMB3	X	.000701	%9.635
50	PMB3	Z	000405	%9.635
51	PMB3	Х	.000701	%40.365
52	PMB3	Z	000405	%40.365
53	PMB3	X	.006	%25
54	PMB3	Z	003	%25
55	PMB4	X	.00068	0
56	PMB4	Z	000393	0
57	PMB4	X	.00068	%50
58	PMB4	Z	000393	%50
59	PMB4	X	.002	%25
60	PMB4	Ζ.	001	%25
61	PMC1	Χ	.00068	0
62	PMC1	Z	000393	0
63	PMC1	X	.00068	%50
64	PMC1	Z	000393	%50
65	PMC1	X	.006	%25 ,
66	PMC1	Z	003	%25
67	PMC2	X	.005	0
		7		
68	PMC2	Z	003	0



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### Member Point Loads (BLC 122 : Earthquake 60 Deg) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
69	PMC2	X	.005	%62.5
70	PMC2	Z	003	%62.5
71	PMC2	X	.001	0
72	PMC2	Z	000638	0
73	PMC2	X	.001	%56.25
74	PMC2	Z	000638	%56.25
75	PMC2	X	.002	%25
76	PMC2	Z	000915	%25
77	PMC2	Χ	.006	%25
78	PMC2	Z	003	%25
79	PMC3	; X	.000701	%9.635
80	PMC3	Z	000405	%9.635
81	PMC3	Χ	.000701	%40.365
82	PMC3	Z	000405	%40.365
83	PMC3	Χ	.002	%25
84	PMC3	Z	000913	%25
85	PMC4	Х	.00068	0
86	PMC4	Z	000393	0
87	PMC4	Х	.00068	%50
88	PMC4	Z	000393	%50

### Member Point Loads (BLC 123 : Earthquake 90 Deg)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in, %]
1	PMA1	X	.000785	0
2	PMA1	X	.000785	%50
3	PMA1	X	.002	%25
4	PMA2	X	.006	0
5	PMA2	X	.006	%62 <i>.</i> 5
6	PMA2	X	.001	0
7	PMA2	X	.001	%56.25
8	PMA2	X	.004	%25
9	PMA2	X	.008	%25
10	PMA3	X	.00081	%9.635
11	PMA3	X	.00081	%40.365
12	PMA3	X	.004	%25
13	PMA4	X	.000785	0
14	PMA4	X	.000785	%50
15	PMA4	X	.002	%25
16	PMB1	X	.000785	0
17	PMB1	X	.000785	%50
18	PMB1	X	.008	%25
19	PMB2	X	.006	0
20	PMB2	X	.006	%62.5
21	PMB2	X	.001	0
22	PMB2	X	.001	%56.25
23	PMB2	Х	.002	%25
24	PMB2	Х	.008	%25
25	PMB3	Х	.00081	%9.635
26	PMB3	X	.00081	%40.365
27	PMB3	Χ	.007	%25
28	PMB4	X	.000785	0



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### Member Point Loads (BLC 123 : Earthquake 90 Deg) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
29	PMB4	X	.000785	%50
30	PMB4	X	.002	%25
31	PMC1	X	.000785	0
32	PMC1	X	.000785	%50
33	PMC1	. X	.007	%25
34	PMC2	X	.006	0
35	PMC2	X	.006	%62.5
36	PMC2	X	.001	0
37	PMC2	X	.001	%56.25
38	PMC2	X	.002	%25
39	PMC2	X	.007	%25
40	PMC3	X	.00081	%9.635
41	PMC3	X	.00081	%40.365
42	PMC3	X	.002	%25
43	PMC4	X	.000785	0
44	PMC4	X	.000785	%50

### Member Point Loads (BLC 124 : Earthquake 120 Deg)

	MemberLabel	Direction	Magnitude[k,k-ft]	Location [in,%]
1	PMA1	Χ	.00068	0
2	PMA1	Z	.000393	0
3	PMA1	X	.00068	%50
4	PMA1	Z	.000393	%50
5	PMA1	X	.002	%25
6	PMA1	Z	.001	%25
7	PMA2	X	.005	0
8	PMA2	Z	.003	0
9	PMA2	Х	.005	%62.5
10	PMA2	Z	.003	%62.5
11	PMA2	X	.001	0
12	PMA2	Z	.000638	0
13	PMA2	Х	.001	%56.25
14	PMA2	Z	.000638	%56.25
15	PMA2	Х	.004	%25
16	PMA2	Z	.002	%25
17	PMA2	X	.007	%25
18	PMA2	Z	.004	%25
19	PMA3	Х	.000701	%9.635
20	PMA3	Z	.000405	%9.635
21	PMA3	Х	.000701	%40.365
22	PMA3	Z	.000405	%40.365
23	PMA3	Z X	.004	%25
24	PMA3	Ζ.	.002	%25
25	PMA4	X	.00068	0
26	PMA4	Z	.000393	0
27	PMA4	X	.00068	%50
28	PMA4	Z	.000393	%50
29	PMA4	X	.002	%25
30	PMA4	Z	.000915	%25
31	PMB1	X	.00068	0
32	PMB1	Z	.000393	0



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### Member Point Loads (BLC 124: Earthquake 120 Deg) (Continued)

33         PMB1         X         .00068           34         PMB1         Z         .000393           35         PMB1         X         .007           36         PMB1         Z         .004           37         PMB2         X         .005           38         PMB2         Z         .003           39         PMB2         X         .005           40         PMB2         Z         .003           41         PMB2         X         .001           42         PMB2         X         .001           43         PMB2         X         .001           44         PMB2         X         .001           44         PMB2         X         .002           46         PMB2         X         .002           46         PMB2         X         .007           48         PMB2         X         .007           48         PMB3         X         .000701           50         PMB3         X         .000405	ocation [in,%] %50 %50 %50 %25 %25 0 0 %62.5 %62.5 0 0 %56.25 %56.25 %25 %25 %25 %25 %25 %25 %9.635
34         PMB1         Z         .000393           35         PMB1         X         .007           36         PMB1         Z         .004           37         PMB2         X         .005           38         PMB2         Z         .003           39         PMB2         X         .005           40         PMB2         Z         .003           41         PMB2         X         .001           42         PMB2         X         .001           43         PMB2         X         .001           44         PMB2         X         .00638           45         PMB2         X         .002           46         PMB2         X         .007           48         PMB2         X         .007           48         PMB2         X         .004           49         PMB3         X         .000701           50         PMB3         Z         .000405	%50 %25 %25 0 0 0 %62.5 %62.5 0 0 %56.25 %56.25 %25 %25 %25 %25
35         PMB1         X         .007           36         PMB1         Z         .004           37         PMB2         X         .005           38         PMB2         Z         .003           39         PMB2         X         .005           40         PMB2         Z         .003           41         PMB2         X         .001           42         PMB2         X         .001           42         PMB2         X         .001           43         PMB2         X         .001           44         PMB2         Z         .00638           45         PMB2         X         .002           46         PMB2         X         .007           48         PMB2         X         .007           48         PMB2         X         .004           49         PMB3         X         .000701           50         PMB3         Z         .000405	%25 %25 0 0 0 %62.5 %62.5 0 0 0 %56.25 %56.25 %25 %25 %25
36         PMB1         Z         .004           37         PMB2         X         .005           38         PMB2         Z         .003           39         PMB2         X         .005           40         PMB2         Z         .003           41         PMB2         X         .001           42         PMB2         Z         .000638           43         PMB2         X         .001           44         PMB2         Z         .00638           45         PMB2         X         .002           46         PMB2         X         .001           47         PMB2         X         .007           48         PMB2         Z         .004           49         PMB3         X         .000701           50         PMB3         Z         .000405	%25 0 0 %62.5 %62.5 0 0 %56.25 %56.25 %25 %25 %25 %25
37       PMB2       X       .005         38       PMB2       Z       .003         39       PMB2       X       .005         40       PMB2       Z       .003         41       PMB2       X       .001         42       PMB2       Z       .000638         43       PMB2       X       .001         44       PMB2       Z       .000638         45       PMB2       X       .002         46       PMB2       X       .002         46       PMB2       X       .007         48       PMB2       X       .007         48       PMB3       X       .000701         50       PMB3       Z       .000405	0 0 %62.5 %62.5 0 0 %56.25 %56.25 %25 %25 %25
38     PMB2     Z     .003       39     PMB2     X     .005       40     PMB2     Z     .003       41     PMB2     X     .001       42     PMB2     Z     .000638       43     PMB2     X     .001       44     PMB2     Z     .000638       45     PMB2     X     .002       46     PMB2     X     .002       47     PMB2     X     .007       48     PMB2     Z     .004       49     PMB3     X     .000701       50     PMB3     Z     .000405	0 %62.5 %62.5 0 0 %56.25 %56.25 %25 %25 %25 %25
39         PMB2         X         .005           40         PMB2         Z         .003           41         PMB2         X         .001           42         PMB2         Z         .000638           43         PMB2         X         .001           44         PMB2         Z         .000638           45         PMB2         X         .002           46         PMB2         Z         .001           47         PMB2         X         .007           48         PMB2         Z         .004           49         PMB3         X         .000701           50         PMB3         Z         .000405	%62.5 %62.5 0 0 %56.25 %56.25 %25 %25 %25 %25
40       PMB2       Z       .003         41       PMB2       X       .001         42       PMB2       Z       .000638         43       PMB2       X       .001         44       PMB2       Z       .000638         45       PMB2       X       .002         46       PMB2       Z       .001         47       PMB2       X       .007         48       PMB2       Z       .004         49       PMB3       X       .000701         50       PMB3       Z       .000405	%62.5 0 0 %56.25 %56.25 %25 %25 %25 %25
41       PMB2       X       .001         42       PMB2       Z       .000638         43       PMB2       X       .001         44       PMB2       Z       .000638         45       PMB2       X       .002         46       PMB2       Z       .001         47       PMB2       X       .007         48       PMB2       Z       .004         49       PMB3       X       .000701         50       PMB3       Z       .000405	0 0 %56.25 %56.25 %25 %25 %25 %25
42     PMB2     Z     .000638       43     PMB2     X     .001       44     PMB2     Z     .000638       45     PMB2     X     .002       46     PMB2     Z     .001       47     PMB2     X     .007       48     PMB2     Z     .004       49     PMB3     X     .000701       50     PMB3     Z     .000405	0 %56.25 %56.25 %25 %25 %25 %25
43       PMB2       X       .001         44       PMB2       Z       .000638         45       PMB2       X       .002         46       PMB2       Z       .001         47       PMB2       X       .007         48       PMB2       Z       .004         49       PMB3       X       .000701         50       PMB3       Z       .000405	%56.25 %56.25 %25 %25 %25 %25 %25
44     PMB2     Z     .000638       45     PMB2     X     .002       46     PMB2     Z     .001       47     PMB2     X     .007       48     PMB2     Z     .004       49     PMB3     X     .000701       50     PMB3     Z     .000405	%56.25 %25 %25 %25 %25
45     PMB2     X     .002       46     PMB2     Z     .001       47     PMB2     X     .007       48     PMB2     Z     .004       49     PMB3     X     .000701       50     PMB3     Z     .000405	%25 %25 %25 %25
46     PMB2     Z     .001       47     PMB2     X     .007       48     PMB2     Z     .004       49     PMB3     X     .000701       50     PMB3     Z     .000405	%25 %25 %25
47     PMB2     X     .007       48     PMB2     Z     .004       49     PMB3     X     .000701       50     PMB3     Z     .000405	%25 %25
48         PMB2         Z         .004           49         PMB3         X         .000701           50         PMB3         Z         .000405	%25
49         PMB3         X         .000701           50         PMB3         Z         .000405	
50 PMB3 Z .000405	/のぎ.ひぶひ
	%9.635
	%40.365
TABLE	%40.365
53 PMB3 X .006	%25
54 PMB3 Z .003	%25
55 PMB4 X .00068	0
56 PMB4 Z .000393	0
57 PMB4 X .00068	%50
58 PMB4 Z .000393	%50
59 PMB4 X .002	%25
60 PMB4 Z .001	%25
61 PMC1 X .00068	0
62 PMC1 Z .000393	0
63 PMC1 X .00068	%50
64 PMC1 Z .000393	%50
65 PMC1 X .006	%25
66 PMC1 Z .003	%25
67 PMC2 X .005	0
68 PMC2 Z .003	0
69 PMC2 X .005	%62.5
70 PMC2 Z .003	%62.5
71 PMC2 X .001	0
72 PMC2 Z .000638	0
73 PMC2 X .001	%56.25
74 PMC2 Z .000638	%56.25
75 PMC2 X .002	%25
76 PMC2 Z .000915	%25
77 PMC2 X .006	% <b>2</b> 5
78 PMC2 Z .003	%25
	%9.635
	%9.635
	%40.365
	%40.365
83 PMC3 X .002	%25
84 PMC3 Z .000913	%25



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Member Point Loads (BLC 124: Earthquake 120 Deg) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
85	PMC4	X	.00068	0
86	PMC4	Z	.000393	0
87	PMC4	X	.00068	%50
88	PMC4	Z	.000393	%50

Member Point Loads (BLC 125 : Earthquake 150 Deg)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	.000393	0
2	PMA1	Z	.00068	0
3	PMA1	X	.000393	%50
4	PMA1	Z	.00068	%50
5	PMA1	X	.001	%25
6	PMA1	Z	.002	%25
7	PMA2	X	.003	0
8	PMA2	Z	.005	0
9	PMA2	X	.003	%62.5
10	PMA2	Z	.005	%62.5
11	PMA2	X	.000638	0
12	PMA2	Z	.001	0
13	PMA2	X	.000638	%56.25
14	PMA2	Z	.001	%56.25
15	PMA2	X	.002	%25
16	PMA2	Z	.004	%25
17	PMA2	X	.004	%25
18	PMA2	Z	.007	%25
19	PMA3	X X	.000405	%9.635
20	PMA3	l Ž	.000701	%9.635
21	PMA3	, <u>Z</u>	.000405	%40.365
22	PMA3	Z	.000701	%40.365
23	PMA3	X	.002	%25
24	PMA3	Z	.004	%25
25	PMA4	X	.000393	0
26	PMA4	Z	.00068	0
27	PMA4	X	.000393	%50
28	PMA4	Z	.00068	%50 %50
29	PMA4	X	.000915	%25
30	PMA4	Z	.00313	%25
31	PMB1	X X	.000393	0
32	PMB1	Z	.000393	0
33	PMB1	X	.000393	%50
34	PMB1	Z	.000393	%50 %50
35	PMB1	X X	.004	%25
36	PMB1	^	.007	%25
37	PMB2	- Z	.003	0
38	B11B 6	Z	.005	0
38	PMB2 PMB2	X	.003	%62.5
40	PMB2	Z	.005	%62.5
41	PMB2 PMB2	X	.005	0
41		Z	.000638	0
	PMB2		.000638	%56.25
43	PMB2	X		
44	PMB2	Z	.001	%56.25



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Designer : DDC
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Model Name : 806454-NHV 112 948129

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Member Point Loads (BLC 125 : Earthquake 150 Deg) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
45	PMB2	X	.001	%25
46	PMB2	Z	.002	%25
47	PMB2		.004	%25
48	PMB2	Z	.007	%25
49	PMB3	Х	.000405	%9.635
50	PMB3	Z	.000701	%9.635
51	PMB3	X	.000405	%40.365
52	PMB3	Z	.000701	%40.365
53	PMB3	Х	.003	%25
54	PMB3	Z	.006	%25
55	PMB4	X	.000393	0
56	PMB4	Z	.00068	0
57	PMB4	Х	.000393	%50
58	PMB4	Z	.00068	%50
59	PMB4	Х	.001	%25
60	PMB4	Z	.002	%25
61	PMC1	X	.000393	0
62	PMC1	Z	.00068	0
63	PMC1	X	.000393	%50
64	PMC1	Z	.00068	%50
65	PMC1	Х	.003	%25
66	PMC1	Z	.006	%25
67	PMC2	X	.003	0
68	PMC2	Z	.005	0
69	PMC2	X	.003	%62.5
70	PMC2	Z	.005	%62.5
71	PMC2	X	.000638	0
72	PMC2	Z	.001	0
73	PMC2	Х	.000638	%56.25
74	PMC2	Z	.001	%56.25
75	PMC2	Х	.000915	%25
76	PMC2	Z	.002	%25
77	PMC2	Х	.003	%25
78	PMC2	Z	.006	%25
79	PMC3	X	.000405	%9.635
80	PMC3	Z	.000701	%9.635
81	PMC3	X	.000405	%40.365
82	PMC3	Z	.000701	%40.365
83	PMC3	X	.000913	%25
84	PMC3	Z	.002	%25
85	PMC4	X	.000393	0
86	PMC4	Z	.00068	0
87	PMC4	X	.000393	%50
88	PMC4	Z	.00068	%50

Member Point Loads (BLC 126: Earthquake 180 Deg)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in,%]
1	PMA1	Z	.000785	0
2	PMA1	Z	.000785	%50
3	PMA1	Z	.002	%25
4	PMA2	Z	.006	0



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### Member Point Loads (BLC 126: Earthquake 180 Deg) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
5	PMA2	Z	.006	%62.5
6	PMA2	Z	.001	0
7	PMA2	Z	.001	%56.25
8	PMA2	Z	.004	%25
9	PMA2	Z	.008	%25
10	PMA3	Z	.00081	%9.635
11	PMA3	Z	.00081	%40.365
12	PMA3	Z	.004	%25
13	PMA4	Z	.000785	0
14	PMA4	Z	.000785	%50
15	PMA4	Z	.002	%25
16	PMB1	Z	.000785	0
17	PMB1	Z	.000785	%50
: 18	PMB1	Z	.008	%25
19	PMB2	Z	.006	0
20	PMB2	Z	.006	%62.5
21	PMB2	Z	.001	0
22	PMB2	Z	.001	%56.25
23	PMB2	Z	.002	%25
24	PMB2	Z	.008	%25
25	PMB3	Z	.00081	%9.635
26	PMB3	Z	.00081	%40.365
27	PMB3	Z	.007	%25
28	PMB4	Z	.000785	0
29	PMB4	Z	.000785	%50
30	PMB4	Z	.002	%25
31	PMC1	Z	.000785	0
32	PMC1	Z	.000785	%50
33	PMC1	Z	.007	%25
34	PMC2	Z	.006	0
35	PMC2	Z	.006	%62.5
36	PMC2	Z	.001	0
37	PMC2	Z	.001	%56.25
38	PMC2	Z	.002	%25
39	PMC2	Z	.007	%25
40	PMC3	Z	.00081	%9.635
41	PMC3	Z	.00081	%40.365
42	PMC3	Z	.002	%25
43	PMC4	Z	.000785	0
44	PMC4	Z	.000785	%50

### Member Point Loads (BLC 127 : Earthquake 210 Deg)

	Member Label	Direction	Magnitude [k,k-ft]	Location [in, %]
1	PMA1	Χ	000393	0
2	PMA1	Z	.00068	0
3	PMA1	X	000393	%50
4	PMA1	Z	.00068	%50
5	PMA1	Χ	001	%25
6	PMA1	Z	.002	%25
7	PMA2	X	003	0
8	PMA2	Z	.005	0



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# Member Point Loads (BLC 127: Earthquake 210 Deg) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
9	PMA2	X	003	%62.5
10	PMA2	Z	.005	%62.5
11	PMA2	X	000638	0
12	PMA2	Z	.001	0
13	PMA2	X	000638	%56.25
14	PMA2	Z	.001	%56.25
15	PMA2	Х	002	%25
16	PMA2	Z	.004	%25
17	PMA2	Х	004	%25
18	PMA2	Z	.007	%25
19	PMA3	Х	000405	%9.635
20	PMA3	Z	.000701	%9.635
21	PMA3	X	000405	%40.365
22	PMA3	Z	.000701	%40.365
23	PMA3	X	002	%25
24	PMA3	Z	.004	%25
25	PMA4	X	000393	0
26	PMA4	Z	.00068	0
27	PMA4	X	000393	%50
28	PMA4	Z	.00068	%50 %50
29	PMA4	, <u>Z</u>	000915	%25
30	PMA4	Z	.002	%25
31	PMB1	X	000393	0
32	PMB1	Z	.00068	0
33	PMB1	X	000393	%50
			.00068	%50 %50
34	PMB1	Z		
35	PMB1	X	004	%25
36	PMB1		.007	<u>%25</u>
37	PMB2	X	003	0
38	PMB2	Z	.005	0
39	PMB2	<u>X</u>	003	%62.5
40	PMB2	Z	.005	<u>%62.5</u>
41	PMB2	X	000638	0
42	PMB2	Z	.001	0
43	PMB2	X	000638	%56.25
44	PMB2	Z	.001	%56.25
45	PMB2	X	001	%25
46	PMB2	Z	.002	%25
47	PMB2	X	004	%25
48	PMB2	Z	.007	%25
49	PMB3	<u>X</u>	000405	%9.635
50	PMB3	Z	.000701	<u>%9.635</u>
51	PMB3	X	000405	%40.365
52	PMB3	Z	.000701	%40.365
53	PMB3	X	003	%25
54	PMB3	Z	.006	%25
55	PMB4	X	000393	0
56	PMB4	Z	.00068	0
57	PMB4	X	000393	%50
58	PMB4	Z	.00068	%50
59	PMB4	X	001	%25
60	PMB4	Z	.002	%25



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Member Point Loads (BLC 127 : Earthquake 210 Deg) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
61	PMC1	X	000393	0
62	PMC1	Z	.00068	0
63	PMC1	X	000393	%50
64	PMC1	Z	.00068	%50
65	PMC1	X	003	%25
66	PMC1	Z	.006	%25
67	PMC2	X	003	0
68	PMC2	Z	.005	0
69	PMC2	X	003	%62.5
_70	PMC2	Z	.005	%62.5
71	PMC2	X	000638	0
72	PMC2	Z	.001	0
73	PMC2	X	000638	%56.25
74	PMC2	Z	.001	%56.25
75	PMC2	X	000915	%25
76	PMC2	Z	.002	%25
77	PMC2	X	003	%25
78	PMC2	Z	.006	%25
79	PMC3	X	000405	%9.635
80	PMC3_	Z	.000701	%9.635
81	PMC3	X	000405	%40.365
82	PMC3	Z	.000701	%40.365
83	PMC3	X	000913	%25
84	PMC3	Z	.002	%25
85	PMC4	X	000393	0
86	PMC4	Z	.00068	0
_87	PMC4	_ X	000393	%50
_88	PMC4	Z	.00068	%50

Member Point Loads (BLC 128 : Earthquake 240 Deg)

	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]	
_1	PMA1	X	00068	0	
_ 2	PMA1	Z	.000393	0	
3	PMA1	X	00068	%50	
_4	PMA1	Z	.000393	%50	
_ 5	PMA1	X	002	%25	
6	PMA1	Z	.001	%25	
7	PMA2	X	005	0	
8	PMA2	Z	.003	Ō	
9	PMA2	X	005	%62.5	
10	PMA2	Z	.003	%62.5	
11	PMA2	X	001	0	
12	PMA2	Z	.000638	0	
13	PMA2	X	001	%56.25	
14	PMA2	Z	.000638	%56.25	
15	PMA2	X	004	%25	
16	PMA2	Z	.002	%25	
17	PMA2	X	007	%25	
18	PMA2	Z	.004	%25	
19	PMA3	Х	000701	%9.635	
20	PMA3	Z	.000405	%9.635	



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Member Point Loads (BLC 128 : Earthquake 240 Deg) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
21	PMA3	X	000701	%40.365
22	PMA3	Z	.000405	%40.365
23	PMA3	X	004	%25
24	PMA3	Z	.002	%25
25	PMA4	X	00068	0
26	PMA4	Z	.000393	0
27	PMA4	X	00068	%50
28	PMA4	Z	.000393	%50 %50
29	PMA4	X	002	%25
30	PMA4	Ž	.0002	%25
31	PMB1	X	00068	0
32	PMB1	Z	.000393	0
33	PMB1	X	00068	%50
34	PMB1	Z	.000393	%50 %50
35	PMB1	X	007	
36	PMB1	Z	007	%25 %25
37	PMB2	X	005	%25
38	PMB2	Z		0
39	PMB2	X	.003 005	
40	PMB2	Z		%62.5
41	PMB2		.003	%62.5
42		X 7	001	0
43	PMB2	Z	.000638	0
	PMB2	X	001	%56.25
44	PMB2	<u>Z</u>	.000638	%56.25
45	PMB2	X	002	%25
46	PMB2	Z	.001	%25
47	PMB2	X	007	%25
48	PMB2	Z	.004	%25
49	PMB3	X	000701	%9.635
50	PMB3	Z	.000405	%9.635
51	PMB3	X	000701	%40.365
52	PMB3	Z	.000405	%40.365
53	PMB3	X	006	%25
54	PMB3	Z	.003	%25
55	PMB4	X	00068	0
56	PMB4	Z	.000393	0
_57	PMB4	X	00068	%50
58	PMB4	Z	.000393	%50
_59	PMB4	X	002	%25
60	PMB4	Z	.001	%25
61	PMC1	X	00068	0
62	PMC1	Z	.000393	0
63	PMC1	X	00068	%50
64	PMC1	Z	.000393	%50
65	PMC1	X	006	%25
66	PMC1	Z	.003	%25
67	PMC2	X	005	0
68	PMC2	Z	.003	0
69	PMC2	X	005	%62.5
70	PMC2	Z	.003	%62.5
71	PMC2	X	001	0
72	PMC2	Z	.000638	0



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Member Point Loads (BLC 128: Earthquake 240 Deg) (Continued)

	Member <u>Label</u>	Direction	Magnitude[k,k-ft]	Location[in,%]
73	PMC2	X	001	%56.25
74	PMC2	Z	.000638	%56.25
75	PMC2	X	002	%25
76	PMC2	Z	.000915	%25
77	PMC2	X	006	%25
78	PMC2	Z	.003	%25
79	PMC3	X	000701	%9.635
_80	PMC3	Z	.000405	%9.635
81	PMC3	X	000701	%40.365
82	PMC3	Z	.000405	%40.365
83	PMC3	X	002	%25
84	PMC3	Z	.000913	<b>%2</b> 5
85	PMC4	Х	00068	0
86	PMC4	Z	.000393	0
87	PMC4	X	00068	%50
. 88	PMC4	Z	.000393	%50

Member Point Loads (BLC 129 : Earthquake 270 Deg)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	000785	0
2	PMA1	X	000785	%50
3	PMA1	X	002	%25
4	PMA2	X	006	0
5	PMA2	Х	006	%62.5
6	PMA2	X	001	0
7	PMA2	X	001	%56.25
8	PMA2	X	004	%25
9	PMA2	X	008	%25
10	PMA3	Х	00081	%9.635
11	PMA3	X	00081	%40.365
12	PMA3	X	004	%25
13	PMA4	X	000785	0
14	PMA4	Х	000785	%50
15	PMA4	X	002	%25
16	PMB1	X	000785	0
17	PMB1	X	000785	%50
18	PMB1	X	008	%25
19	PMB2	Х	006	0
20	PMB2	X	006	%62.5
21	PMB2	X	001	0
22	PMB2	X	001	%56.25
23	PMB2	Χ	002	%25
24	PMB2	X	008	%25
25	PMB3	X	00081	%9.635
26	PMB3	X	00081	%40.365
27	PMB3	Χ	007	%25
28	PMB4	X	000785	0
29	PMB4	X	000785	%50
30	PMB4	X	002 %25	
31	PMC1	Х	000785	0
32	PMC1	X	000785	%50



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Member Point Loads (BLC 129 : Earthquake 270 Deg) (Continued)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]	
33	PMC1	X	007	%25	
34	PMC2	Х	006	0	
35	PMC2	X	006	%62 <i>.</i> 5	
36	PMC2	X	001	0	
37	PMC2	Х	001	%56.25	
38	PMC2	X	002	%25	
39	PMC2	: X	007	%25	
40	PMC3	Х	00081	%9.635	
41	PMC3	X	00081	%40.365	
42	PMC3	Х	002	<b>%2</b> 5	
43	PMC4	X	000785	0	
44	PMC4	X	000785	%50	

Member Point Loads (BLC 130 : Earthquake 300 Deg)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	00068	0
2	PMA1	Z	000393	0
3	PMA1	X	00068	%50
4	PMA1	Z	000393	%50
5	PMA1	X	002	%25
6	PMA1	Z	001	%25
7	PMA2	X	005	0
8	PMA2	Z	003	0
9	PMA2	Х	005	%62.5
10	PMA2	Z	003	%62.5
11	PMA2	X	001	0
12	PMA2	Z	000638	0
13	PMA2	X	001	%56.25
14	PMA2	Z	000638	%56.25
15	PMA2	X	004	%25
16	PMA2	Z	002	%25
. 17	PMA2	X	007	%25
18	PMA2	Z	004	%25
19	PMA3	X	000701	%9.635
20	PMA3	Z	000405	%9.635
21	PMA3	Х	000701	%40.365
22	PMA3	Z	000405	%40.365
23	PMA3	X	004	%25
24	PMA3	Z	002	%25
25	PMA4	X	00068	0
26	PMA4	Z	000393	0
27	PMA4	X	00068	%50
28	PMA4	Z	000393	%50
29	PMA4	X	002	%25
30	PMA4	Z	000915	%25
31	PMB1	X	- 00068	0
32	PMB1	Z	000393	0
33	PMB1	X	00068	%50
34	PMB1	Z	000393	%50
35	PMB1	X	007	<b>%2</b> 5
36	PMB1	Z	004	<b>%2</b> 5



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Member Point Loads (BLC 130 : Earthquake 300 Deg) (Continued)

	Member Label	Direction	Magnitude [k,k-ft]	Location[in,%]
37	PMB2	X	005	0
38	PMB2	Z	003	0
39	PMB2	X	005	%62.5
40	PMB2	Z	003	%62.5
41	PMB2	X	001	
42	PMB2	Z	0001	0
43	PMB2	X	001	
44	PMB2	Z	001	%56.25
45	PMB2	X	002	%25
46	PMB2	Z	002	%25 %25
47	PMB2	X		%25 %25
48	PMB2	Z	007	%25 %25
49			004	
50	PMB3	X	000701	%9.635 %0.635
	PMB3		000405	%9.635
51	PMB3	X 7	000701	%40.365
52	PMB3	Z	000405	<u>%40.365</u>
53	PMB3	X	006	%25 **25
54	PMB3	Z	003	%25
55	PMB4	<u> </u>	00068	0
56	PMB4	Z	000393	0
57	PMB4	X	00068	%50
58	PMB4	Z	000393	%50
59	PMB4	X	002	%25
_60	PMB4	Z	001	%25
61	PMC1	X	00068	0
62	PMC1	Z	000393	0
63	PMC1	X	00068	%50
64	PMC1	Z	000393	<u>%50</u>
65	PMC1	X	006	%25
66	PMC1	Z	003	%25
67	PMC2	Х	005	0
68	PMC2	Z	003	0
_69	PMC2	X	005	%62.5
70	PMC2	Z	003	%62.5
71	PMC2	X	001	0
_72	PMC2	Z	000638	0
73	PMC2	X	001	%56.25
74	PMC2	Z	000638	%56.25
75	PMC2	X	002	%25
76	PMC2	Z	000915	%25
77	PMC2	X	006	%25
78	PMC2	Z	003	<b>%2</b> 5
79	PMC3	X	000701	%9.635
80	PMC3	Z	000405	%9.635
81	PMC3	Х	000701	%40.365
82	PMC3	Z	000405	%40.365
83	PMC3	X	002	%25
84	PMC3	Z	000913	%25
85	PMC4	X	00068	0
86	PMC4	Z	000393	0
87	PMC4	X	00068	%50
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Member Point Loads (BLC 131 : Earthquake 330 Deg)

	Member Label	Direction	Magnitude[k,k-ft]	Location[in,%]
1	PMA1	X	000393	0
2	PMA1	Z	00068	0
3	PMA1	X	000393	%50
4	PMA1	Z	00068	%50 %50
5	PMA1	X	0008	%25
6	PMA1	Z	001	%25 %25
7	PMA2	X	002	0
8	PMA2	Z	005	0
9	PMA2	X	003	%62.5
10	PMA2	Z	005	%62.5 %62.5
11	PMA2	X	000638	
12				0
13	PMA2	Z	001	0 0/50 25
	PMA2	X	000638	%56.25
14	PMA2		001	%56.25 × 05
15	PMA2	X	002	%25
16	PMA2	<u>Z</u>	004	%25
17	PMA2	X	004	%25 ***25
18	PMA2	Z	007	%25
19	PMA3	X	000405	%9.635
20	PMA3	Z	000701	%9.635
21	PMA3	<u>X</u>	000405	%40.365
22	PMA3	Z	000701	%40.365
23	PMA3	X	002	%25
24	PMA3	Z	004	%25
25	PMA4	X	000393	0
26	PMA4	Z	00068	0
27	PMA4	X	000393	%50
28	PMA4	Z	00068	%50
29	PMA4	X	000915	%25
30	PMA4	Z	002	%25
31	PMB1	X	000393	0
32	PMB1	Z	00068	0
33	PMB1	X	000393	%50
34	PMB1	Z	00068	%50
35	PMB1	Х	004	%25
36	PMB1	Z	007	%25
37	PMB2	X	003	0
38	PMB2	Z	005	0
39	PMB2	X	003	%62.5
40	PMB2	Z	005	%62.5
41	PMB2	X	000638	0
42	PMB2	Z	001	0
43	PMB2	X	000638	%56.25
44	PMB2	Z	001	%56.25
45	PMB2	X	001	%25
46	PMB2	Z	002	%25
47	PMB2	X	004	%25
48	PMB2	Z	007	%25
49	PMB3	X	000405	%9.635
50	PMB3	Z	000701	%9.635
51	PMB3	X	000405	%40.365
52	PMB3	Z	000701	%40.365



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Member Point Loads (BLC 131 : Earthquake 330 Deg) (Continued)

			- 3/	
	Member Label	Direction	Magnitude[k,k-ft]	Location [in,%]
53	PMB3	X	003	%25
54	PMB3	Z	006	%25
55	PMB4	X	000393	0
56	PMB4	Z	00068	0
57	PMB4	X	000393	%50
58	PMB4	Z	00068	%50
59	PMB4	X	001	%25
60	PMB4	. Z	002	%25
61	PMC1	X	000393	0
62	PMC1	Z	00068	0
63	PMC1	X	000393	%50
64	PMC1	Z	00068	%50
65	PMC1	X	003	%25
66	PMC1	Z	006	%25
67	PMC2	X	003	0
68	PMC2	Z	005	0
69	PMC2	X	003	%62.5
70	PMC2	Z	005	%62.5
71	PMC2	X	- 000638	0
72	PMC2	Z	001	0
73	PMC2	X	000638	%56.25
74	PMC2	Z	001	%56.25
75	PMC2	X	000915	%25
76	PMC2	Z	002	%25
77	PMC2	X	003	%25
78	PMC2	Z	006	%25
79	PMC3	X	000405	%9.635
80	PMC3	Z	000701	%9.635
81	PMC3	X	000405	%40.365
82	PMC3	Z	000701	%40.365
83	PMC3	X	000913	%25
84	PMC3	Z	002	%25
85	PMC4	X	000393	0
86	PMC4	Z	00068	0
87	PMC4	Х	000393	%50
88	PMC4	Z	00068	%50

#### Member Distributed Loads (BLC 1: Wind 0 Deg - No Ice)

	Member Label	Direction	Start Magnitude [k/ft,.	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
1	PMA1	Z	008	008	%50	%100
2	PMA2	Z	008	008	%62.5	%100
_ 3	PMA3	Z	008	008	0	%9.635
4	PMA3	Z	008	008	%40.365	%100
5	PMA4	Z	008	008	%50	%100
6	PMB1	Z	01	01	0	%100
7	PMB2	Z	01	01	0	%100
8	PMB3	Z	01	01	0	%100
9	PMB4	Z	01	01	0	%100
10	PMC1	Z	01	01	0	%100
11	PMC2	Z	01	01	0	%100



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Member Distributed Loads (BLC 1: Wind 0 Deg - No Lee) (Continued)

	Member Labei	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
12	PMC3	Z	01	01	0	%100
13	PMC4	Z	01	01	0	%100
14	<u>\$1</u>	PZ	014	014	0	%100
15	S2	PZ	017	017	0	%100
16	<u>\$3</u>	PZ	017	017	0	%100
17	\$4	PZ	019	019	0	%100
_18	<b>S</b> 5	PZ	015	015	0	%100
19	\$6	PZ	015	015	0	%100
20	\$7	PΖ	019	019	0	%100
21	\$8	PΖ	015	015	0	%100
22	S9	PΖ	015	015	0	%100
_23	K1	PZ	009	009	0	%100
24	_K2	PZ	012	012	0	%100
25	K3	PZ	012	012	0	%100
26	CB1	PZ	009	009	0	%100
27	CB2	PZ	01	01	0	%100
28	CB3	PΖ	009	009	0	%100
29	G1	PΖ	009	009	0	%100
30	G2	PΖ	009	009	0	%100
31	G3	PΖ	012	012	0	%100
32	G 4	PZ	009	009	0	%100
33	G5	PΖ	009	009	0	%100
34	G6	PΖ	012	012	0	%100
35	C1	PΖ	022	022	0	%100
36	C2	PZ	021	021	0	%100
37	C3	PΖ	021	021	0	%100
38	HRC	PZ	008	008	0	%100
39	HC	PZ	011	011	0	%100
40	HRB	PZ	008	008	0	%100
41	НВ	PZ	011	011	0	%100
42	HRA	PΖ	008	008	0	%100
43	HA	PZ	012	012	0	%100

Member Distributed Loads (BLC 2: Wind 30 Deg - No &e)

			*		•	
	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
1	PMA1	X	.005	.005	0	%100
2	PMA1	Z	009	009	0	%100
_3	PMA2	X	.005	.005	0	%100
4	PMA2	Z	009	009	0	%100
5	PMA3	Χ	.005	.005	0	%100
6	PMA3	Z	009	009	0	%100
7	PMA4	X	.005	.005	0	%100
8	PMA4	Z	009	009	0	%100
9	PMB1	X	.005	.005	0	%100
_10	PMB1	Z	009	009	0	%100
11	PMB2	X	.005	.005	0	%100
12	PMB2	Z	009	009	0	%100
13	PMB3	X	.005	.005	. 0	%100
14	PMB3	Z	009	009	0	%100
15	PMB4	Х	.005	.005	0	%100
_16	PMB4	Z	009	009	0	%100



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# Member Distributed Loads (BLC 2: Wind 30 Deg - No Ice) (Continued)

	Member Label	Direction		End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
17	PMC1	X	.005	.005	0	%100
18	PMC1	Z	009	009	0	%100
19	PMC2	X	.005	.005	0	%100
20	PMC2	Z	009	009	0	%100
. 21	PMC3	Х	.005	.005	0	%100
. 22	PMC3	Z	009	009	0	%100
23	PMC4	X	.005	.005	0	%100
24	PMC4	Z	009	009	0	%100
25	S1	PX	.008	.008	0	%100
. 26	S1	PZ	014	014	0	%100
27	S2	PX	.008	.008	0	%100
28	S2	PZ	014	014	0	%100
29	S3	PX	.008	.008	0	%100
30	S3	PZ	014	014	0	%100
31	\$4	PX	.008	.008	0	%100
32	S4	PZ	014	014	0	%100
33	S5	PX	.008	.008	0	%100
34	<b>S</b> 5	PZ	014	014	0	%100
35	\$6	PX	.008	.008	0	%100
36	\$6	PZ	014	014	0	%100
37	S7	PX	.01	.01	0	%100
38	\$7	PZ	017	017	0	%100
39	S8	PX	.007	.007	0	%100
40	S8	PZ	012	012	0	%100
41	\$9	PX	.007	.007	0	%100 %100
42	S9	PZ	012	012	0	%100 %100
43	K1	PX	.005	.005	0	%100 %100
44	K1	PZ	009	009	0	%100 %100
45	K2	PX	.005	.005	0	%100 %100
46	K2	PZ	009	009	0	%100 %100
47	K3	PX	.006	.006	0	%100 %100
48	K3	PZ	011	011	0	%100 %100
49	CB1	PX	.005	.005	0	%100 %100
50	CB1	PZ	009	009	0	%100 %100
51	CB2	PX	.005	.005	0	%100 %100
52	CB2	PZ	009	009	0	%100 %100
53	CB3	PX	.004	.004	0 ;	%100 %100
54	CB3	PZ	008	008	0	%100 %100
55	G1	PX	.004	.004	0	%100 %100
56	G1	PZ	006	006	0	%100 %100
57	G2	PX	.006	.006	0	%100 %100
58	G2	PZ PZ	01	01	0	%100 %100
59	G3	PX	.006	.006	0	%100 %100
60	G3	PZ	01	01	0	%100 %100
61	G4	PX	.004	.004	0	%100 %100
62	G4	PZ PZ	006	006	0	%100 %100
63	G5					%100 %100
64	G5	PX PZ	.006	.006	0	
			01	01	0	%100 %100
65	G6	PX	.006	.006	0	%100 %100
66	G6	PZ	01	01	0	%100 %100
67	<u>C1</u>	PX	.011	.011	0	%100 %100
68	C1	PZ	018	018	0	%100



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Member Distributed Loads (BLC 2: Wind 30 Deg - No &e) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
69	C2	PX	.011	.011	0	%100
70	C2	₽Z	018	018	0	%100
71	C3	PX	.011	.011	0	%100
72	C3	PZ	018	018	0	%100
73	HRC	PX	.004	.004	0	%100
74	HRC	PZ	007	007	0	%100
75	HC	PX	.006	.006	0	%100
76	HC	PZ	011	011	0	%100
. 77	HRB	PX	.002	.002	0	%100
. 78	HRB	PZ	004	004	0	%100
79	HB	PX	.004	.004	0	%100
80	НВ	PZ	006	006	0	%100
81	HRA	PX	.004	.004	0	%100
82	HRA	PZ	007	007	0	%100
83	HA	PX	.006	.006	0	%100
84	HA	PZ	011	011	0	%100

Member Distributed Loads (BLC 3: Wind 60 Deg - No &e)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
1	PMA1	X	.009	.009	0	%100
2	PMA1	Z	005	005	0	%100
3	PMA2	X	.009	.009	0	%100
4	PMA2	Z	005	005	0	%100
5	PMA3	. X	.009	.009	0	%100
6	PMA3	Z	005	005	0	%100
7	PMA4	Х	.009	.009	0	%100
8	PMA4	Z	005	005	0	%100
9	PMB1	· X	.009	.009	0	%100
10	PMB1	Z	005	005	0	%100
11	PMB2	X	.009	.009	0	%100
12	PMB2	Z	005	005	0	%100
13	PMB3	Х	.009	.009	0	%100
14	PMB3	Z	005	005	0	%100
15	PMB4	Х	.009	.009	0	%100
16	PMB4	Z	005	005	0	%100
17	PMC1	X	.007	.007	%50	%100
18	PMC1	Z	004	004	%50	%100
19	PMC2	Х	.007	.007	%62.5	%100
20	PMC2	Z	004	004	%62.5	%100
21	PMC3	X	.007	.007	0	%9.635
22	PMC3	Z	004	004	0	%9.635
23	PMC3	Х	.007	.007	%40.365	%100
24	PMC3	Z	004	004	%40.365	%100
25	PMC4	Х	.007	.007	%50	%100
26	PMC4	Z	004	004	%50	%100
27	S1	PX	.016	.016	0	%100
28	S1	PZ	009	009	0	%100
29	S2	PX	.013	.013	0	%100
30	S2	PZ	008	008	0	%100
31	· \$3	PX	.013	.013	0	%100
32	S3	PZ	008	008	0	%100



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# Member Distributed Loads (BLC 3: Wind 60 Deg - No lce) (Continued)

•	Member Label	Direction		End Magnitude[k/ft,F		End Location[in,%]
33	S4	PX	.012	.012	0	%100
34	84	PZ	007	007	0	%100
35	\$5	PX	.015	.015	0	%100 %100
36	\$5	PZ	009	009	0	%100
37	\$6	PX	.015	.015	0	%100 %100
38	\$6	PZ	009	009	0	%100
39	\$7	PX	.016	.016	0	%100 %100
40	\$7	PZ	009	009	0	%100
41	\$8	PX	.013	.013	0	%100 %100
42	\$8	PZ	- 008	008	0	%100 %100
43	\$9	PX	.013	.013	0	%100 %100
44	\$9	PZ	008	008	0	%100 %100
45	K1	PX	.011	.011	0	%100 %100
46	K1	PZ	006	006	0	%100 %100
47	K2	PX	.008	.008	0	%100 %100
48	K2	PZ	004	004	0	%100 %100
49	K3	PX	.011	.011	0	%100 %100
50	K3	PZ	006	006	0	%100 %100
51	CB1	PX	.009	.009	0	%100 %100
52	CB1	PZ	005	005	0	%100 %100
53	CB2	PX	.008	.008	0	%100 %100
54	CB2	PZ	005	005	0	%100 %100
55	CB3	PX	.008	.008	0	%100 %100
56	CB3	PZ	005	005	0	%100 %100
57	G1	PX	.008	.008	0	%100 %100
58	G1	PZ	005	005	0	%100 %100
59	G2	PX	.01	.01	0	%100 %100
60	G2	PZ	006	006	0	%100 %100
61	G3	PX	.008	.008	0	
62	G3	PZ	005	005	0	%100 %100
63	G4	PX	.008	.008	0	%100 %100
64	G4	PZ	005	005	0	%100 %100
65	G5	PX	.01	.01	0	
66	G5	PZ	006	006	0	%100 %100
67	G6	PX	.008	.008	0	%100 %100
68	G6	PZ	005	005	0	%100 %100
69	C1	PX	.018	.018	0	%100 %100
70	C1	PZ	011	011	0	%100 %100
71	C2	PX	.019	.019	0	%100 %100
72	C2	PZ	011	011	0	%100 %100
73	C3	PX	.018	.018	0	%100 %100
74	C3	PZ	011	011	0	%100 %100
75	HRC	PX	.007	.007	0	%100 %100
76	HRC	PZ	004	004	0	%100 %100
77	HC	PX	.011	.011	0	%100 %100
78	HC	PZ	006	006	0	%100 %100
79	HRB	PX	.007	.007	0	%100 %100
80	HRB	PZ	004	004	0	%100 %100
81	HB	PX	.01	.01	0	%100 %100
82	HB	PZ	006	006	0	%100 %100
83	HRA	PX	.007	.007	0	%100 %100
84	HRA	PZ	004	004	0	%100 %100
	1111/7	14	004	004	U	/6100



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#### Member Distributed Loads (BLC 3: Wind 60 Deg - No &e) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
85	HA	PX	.01	.01	0	%100
86	HA	PZ	006	006	0	%100

#### Member Distributed Loads (BLC 4: Wind 90 Deg - No lce)

	Member Label	Direction	Start Magnitude [k/ft	. End Magnitude[k/ft,F	Start Location [in.%]	End Location[in,%]
1	PMA1	Х	.01	.01	0	%100
2	PMA2	Х	.01	.01	0	%100
3	PMA3	Х	.01	.01	0	%100
4	PMA4	Х	.01	.01	0	%100
5	PMB1	Χ	.01	.01	0	%100
6	PMB2	Χ	.01	.01	0	%100
7	PMB3	Χ	.01	.01	0	%100
8	PMB4	X	.01	.01	0	%100
9	PMC1	Χ	.01	.01	0	%100
10	PMC2	Χ	.01	.01	0	%100
11	PMC3	Χ	.01	.01	0	%100
12	PMC4	Χ	.01	.01	0	%100
13	<u> </u>	PX	.02	.02	0	%100
14	\$2	PX	.014	.014	0	%100
15	S3	PX	.014	.014	0	%100
16	S4	PX	.017	.017	0	%100
17	\$5	PX	.017	.017	0	%100
18	S6	PX	.017	.017	0	%100
19	S7	PΧ	.017	.017	0	%100
20	S8	PX	.017	.017	0	%100
21	S9	PX	.017	.017	0	%100
22	· K1	PX	.013	.013	0	%100
23	K2	PX	.011	.011	0	%100
24	K3	PX	.011	.011	0	%100
25	CB1	PX	.01	.01	0	%100
26	CB2	PX	.009	.009	0	%100
27	CB3	PX	.01	.01	0 .	%100
28	G1	PX	.011	.011	0	%100
29	G2	PX	.011	.011	0	%100
30	G3	PX	.007	.007	0	%100
31	G4	PX	.011	.011	0	%100
32	G 5	PX	.011	.011	0	%100
_33	G6	PX	.007	.007	0	%100
34	C1	PX	.021	.021	0	%100
35	C2	PX	.021	.021	0	%100
_36	C3	PX	.021	.021	0	%100
37	HRC	PX	.008	.008	0	%100
_38	HC	PX	.012	.012	0	%100
39	HRB	PX	.008	.008	0	%100
40	НВ	PX	.012	.012	0	%100
41	HRA	PΧ	.005	.005	0	%100
42	HA	PX	.007	.007	0	<u>%100</u>

#### Member Distributed Loads (BLC 5: Wind 120 Deg - No lce)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
1	PMA1	X	.009	.009	0	%100



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Member Distributed Loads (BLC 5: Wind 120 Deg - No &e) (Continued)

2 PMA1 Z .005	End Magnitude[k/ft,F		End Location[in,%]_
	.005		0/400
- D D D D D D D D D D D D D D D D D D D		0	%100
3 PMA2 X .009	.009	0	%100
4 PMA2 Z .005	.005	0	%100
5 PMA3 X .009	.009	0	%100
6 PMA3 Z .005	.005	0	%100
7 PMA4 X .009	.009	0	%100
8 PMA4 Z .005	.005	0	%100
9 PMB1 X .007	.007	%50	%100
10 PMB1 Z .004	.004	%50	%100
11 PMB2 X .007	.007	%62.5	%100
12 PMB2 Z .004	.004	%62.5	%100
13 PMB3 X .007	.007	0	%9.635
14 PMB3 Z .004	.004	0	%9.635
15 PMB3 X .007	.007	%40.365	%100
16 PMB3 Z .004	.004	%40.365	%100
17 PMB4 X .007	.007	%50	%100
18 PMB4 Z .004	.004	%50	%100
19 PMC1 X .009	.009	0	%100
20 PMC1 Z .005	.005	0	%100
21 PMC2 X .009	.009	0	%100
22 PMC2 Z .005	.005	0	%100
23 PMC3 X .009	.009	0	%100
24 PMC3 Z .005	.005	0	%100
25 PMC4 X .009	.009	0	%100
26 PMC4 Z .005	.005	0	%100
27 S1 PX .016	.016	Ō	%100
28 S1 PZ .009	.009	0	%100
29 S2 PX .013	.013	0	%100 %100
30 S2 PZ .008	.008	0	%100 %100
31 S3 PX .013	.013	0	%100 %100
32 S3 PZ .008	.008	0	%100 %100
33 S4 PX .016	.016	0	%100 %100
33 S4 PA .016 34 S4 PZ .009	.009	0	%100 %100
35 S5 PX .013	.009	0	%100 %100
	.013	0	%100 %100
			%100 %100
37 S6 PX .013	.013	0	
38 S6 PZ .008	.008	0	%100 %100
39 S7 PX .012	.012	0	%100 %100
40 S7 PZ .007	.007	0	%100 %400
41 S8 PX .015	.015	. 0	%100 %400
42 S8 PZ .009	.009	0	%100
43 S9 PX .015	.015	0	%100
44 S9 PZ .009	.009	0	%100
45 K1 PX .011	.011	0	%100
46 K1 PZ .006	.006	0	%100
47 K2 PX .011	.011	0	%100
48 K2 PZ .006	.006	0	%100
49 K3 PX .008	.008	0	%100
50 K3 PZ .004	.004	. 0	%100
51 CB1 PX .008	.008	0	%100
52 CB1 PZ .005	.005	0	%100
53 CB2 PX .008	.008	0	%100



Company Designer Job Number : FDH Infrastructure Services, LLC

: DDC

: PR-001915

: 806454-NHV 112 948129

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#### Member Distributed Loads (BLC 5: Wind 120 Deg - No &e) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
54	CB2	PZ	.005	.005	0	%100
55	CB3	PX	.009	.009	0	%100
56	CB3	PZ	.005	.005	0	%100
57	G 1	PX	.01	.01	0	%100
58	G1	PΖ	.006	.006	0	%100
59	G2	PX	.008	.008	0	%100
60	G2	PΖ	.005	.005	0	%100
61	G3	PΧ	.008	.008	0	%100
62	G3	PZ	.005	.005	0	%100
63	G 4	PX	.01	.01	0	%100
64	G4	PZ	.006	.006	0	%100
65	G5	PX	.008	.008	0	%100
66	G5	PZ	.005	.005	0	%100
67	G6	PX	.008	.008	0	%100
68	G6	PZ	.005	.005	0	%100
69	C1	PX	.018	.018	0	%100
70	C1	PZ	.011	.011	0	%100
71	C2	PX	.018	.018	0	%100
72	C2	PΖ	.011	.011	0	%100
73	C3	PΧ	.019	.019	0	%100
74	C3	PZ	.011	.011	0	%100
75	HRC	PX	.007	.007	0	%100
76	HRC	PZ	.004	.004	0	%100
77	HC	PX	.01	.01	0	%100
78	HC	PZ	.006	.006	0	%100
79	HRB	PX	.007	.007	0	%100
80	HRB	PZ	.004	.004	0 -	%100
81	НВ	PX	.011	.011	0	%100
82	HB ·	PZ	.006	.006	0	%100
83	HRA	PX	.007	.007	0	%100
84	HRA	PZ	.004	.004	0	%100
85	HA	PX	.01	.01	0	%100
86	HA	PZ	.006	.006	0	%100

#### Member Distributed Loads (BLC 6: Wind 150 Deg - No &e)

	<b>8.4</b>	Discouling	01.114	E 114 " 1 B M E	04 44	E 11 E 0/3
	Member Label	Direction		. End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
1	PMA1	<u> </u>	.005	.005	0	%100
2	PMA1	Z	.009	.009	0	%100
_ 3	PMA2	, X	.005	.005	0	%100
4	PMA2	Z	.009	.009	0	%100
5	PMA3	X	.005	.005	0	%100
_6	PMA3	Z	.009	.009	0	%100
7	PMA4	X	.005	.005	0	%100
8	PMA4	Z	.009	.009	0	%100
9	PMB1	Х	.005	.005	0	%100
10	PMB1	Z	.009	.009	. 0	%100
11	PMB2	X	.005	.005	0	%100
12	PMB2	Z	.009	.009	0	%100
13	PMB3	X	.005	.005	0	%100
14	PMB3	Z	.009	.009	0	%100
15	PMB4	⊥x	.005	.005	0	%100



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# Member Distributed Loads (BLC 6: Wind 150 Deg - No Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
16	PMB4	Z	.009	.009	0	<b>%1</b> 00
17	PMC1	X	.005	.005	0.	%100
18	PMC1	Z	.009	.009	0	%100
19	PMC2	X	.005	.005	0	%100
20	PMC2	Z	.009	.009	0	%100
21	PMC3	X	.005	.005	0	%100
22	PMC3	Z	.009	.009	0	%100
23	PMC4	X	.005	.005	0	%100
24	PMC4	Z	.009	.009	0	%100
25	S1	PX	.008	.008	0	%100
26	<b>S</b> 1	PZ	.014	.014	Ö	%100
27	\$2	PX	.008	.008	0	%100
28	\$2	PZ	.014	.014	0	%100
29	\$3	PX	.008	.008	0	%100 %100
30	\$3	PZ	.014	.014	0	%100 %100
31	S4	PX	.01	.01	0	%100 %100
32	S4	PZ	.017	.017	0	
33	\$5	PX	.007	.007	0	%100 8/400
34	S5	PZ	.012			%100
	 \$6			.012	0	<u>%100</u>
35		PX	.007	.007	0	%100
36	\$6	PZ	.012	.012	0	%100
37	<u>\$7</u>	PX	.008	.008	0	%100
38	<u>\$7</u>	PZ	.014	.014	0	%100
39	\$8	PX	.008	.008	0	%100
40	S8	PZ	.014	.014	0	%100
41	S9	PX	.008	.008	0	%100
42	S9	PZ	.014	.014	0	%100
43	K1	PX	.005	.005	0	%100
44	K1	PZ	.009	.009	0	%100
45	K2	PX	.006	.006	0	%100
46	K2	PZ	.011	.011	0	%100
47	K3	PX	.005	.005	0	%100
48	K3	PZ	.009	.009	0	%100
49	CB1	PX	.004	.004	0	%100
50	CB1	PZ	.008	.008	0	%100
51	CB2	PX	.005	.005	0	%100
52	CB2	PZ	.009	.009	0	%100
53	CB3	PX	.005	.005	0	%100
54	CB3	PZ	.009	.009	0	%100
55	G1	PX	.006	.006	0	%100 %100
56	G1	PZ	.01	.01	0	%100
57	G2	PX	.004	.004	0	%100 %100
58	G2	PZ	.006	.006	0	%100 %100
59	G3	PX	.006	.006	0	%100 %100
60	G3	PZ	.006	.006		%100 %100
61	G4	PX	.006	.006	0	
62	G4	PZ	.006		0	%100 %100
63	G5	PX		.01	0	%100
			.004	.004	0	%100 0/100
64	G 5	PZ	.006	.006	0	%100
65	G 6	PX	.006	.006	0	%100
66	G6	PZ	.01	.01	0	%100
67	C1	PX	.011	.011	0	%100



Designer : DDC Job Number : PR-001915

: FDH Infrastructure Services, LLC

Model Name : 806454-NHV 112 948129

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Member Distributed Loads (BLC 6: Wind 150 Deg - No &e) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
68	C1	PZ	.018	.018	0	%100
69	C2	PX	.011	.011	. 0	%100
70	C2	PZ	.018	.018	0	%100
71	C3	PX	.011	.011	0	%100
72	C3	PZ	.018	.018	0	%100
73	HRC	PX	.002	.002	0	%100
74	HRC	PZ	.004	.004	0	%100
75	HC	PX	.004	.004	0	%100
76	HC	PZ	.006	.006	0	%100
77	HRB	PX	.004	.004	0	%100
78	HRB	PZ	.007	.007	0	%100
79	HB	PX	.006	.006	0	%100
80	HB	PZ	.011	.011	0	%100
81	HRA	PX	.004	.004	0 .	%100
82	HRA	PZ	.007	.007	0	%100
83	HA	PX	.006	.006	0	%100
84	HA	PZ	.011	.011	0	%100

Member Distributed Loads (BLC 7: Wind 180 Deg - No &e)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
1	PMA1	Z	.008	.008	%50	%100
2	PMA2	Z	.008	.008	%62.5	%100
3	PMA3	Z	.008	.008	0	%9.635
4	PMA3	Z	.008	.008	%40.365	%100
5	PMA4	Z	.008	.008	%50	%100
6	PMB1	Z	.01	.01	0	%100
7	PMB2	Z	.01	.01	0	%100
8	PMB3	Z	.01	.01	0	%100
9	PMB4	Z	.01	.01	0	%100
10	PMC1	Z	.01	.01	0	%100
11	PMC2	Z	.01	.01	0	%100
12	PMC3	Z	.01	.01	0	%100
13	PMC4	Z	.01	.01	0	%100
14	S1	PZ	.014	.014	0	%100
15	S2	PZ	.017	.017	0	%100
16	\$3	PZ	.017	.017	0	%100
17	S4	PZ	.019	.019	0	%100
18	S5	PZ	.015	.015	0	%100
19	S6	PΖ	.015	.015	0	%100
20	S7 ·	PZ	.019	.019	0	%100
21	S8	PZ	.015	.015	0	%100
22	S9	PΖ	.015	.015	0	%100
23	K1	PZ	.009	.009	0	%100
24	K2	PZ	.012	.012	0	%100
25	K3	PΖ	.012	.012	0	%100
26	CB1	PZ	.009	.009	0	%100
27	CB2	PZ	.01	.01	0	%100
28	CB3	PZ	.009	.009	0	%100
29	G1	PΖ	.009	.009	0	%100
30	G2	PZ	.009	.009	0	%100
31.	G3	PΖ	.012	.012	0	%100



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#### Member Distributed Loads (BLC 7: Wind 180 Deg - No &e) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
32	G 4	PZ	.009	.009	0	%100
33	G5	PZ	.009	.009	0	%100
34	G 6	PZ	.012	.012	0	%100
35	C1	PZ	.022	.022	0	%100
36	C2	PZ	.021	.021	0	%100
37	C3	PZ	.021	.021	0	%100
38	HRC	PZ	.008	.008	0	%100
39	HC	PZ	.011	.011	0	%100
40	HRB	PZ	.008	.008	0	%100
41	HB	PZ	.011	.011	0	%100
42	HRA	PZ	.008	.008	0	%100
43	HA	PZ	.012	.012	0	%100

# Member Distributed Loads (BLC 8: Wind 210 Deg - No Ice)

	Member <u>L</u> abel	Direction	S tart Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location [in, %]	End Location[in,%]
1	PMA1	X	005	005	0	%100
2	PMA1	Z	.009	.009	0	%100
. 3	PMA2	X	005	005	0	%100
4	PMA2	Z	.009	.009	0	%100
5	PMA3	X	005	005	0	%100
6	PMA3	Z	.009	.009	0	%100
7	PMA4	X	005	005	. 0	%100
8	PMA4	Z	.009	.009	0	%100
9	PMB1	X	005	005	0	%100
_10	PMB1	Z	.009	.009	0	%100
11	PMB2	X	005	005	0	%100
12	PMB2	Z	.009	.009	0	%100
13	PMB3	Х	005	005	0	%100
14	PMB3	Z	.009	.009	0	%100
15	PMB4	X	005	005	0	%100
16	PMB4	Z	.009	.009	0	%100
17	PMC1	Х	005	005	0	%100
18	PMC1	Z	.009	.009	0	%100
_19	PMC2	X	005	005	0	%100
_20	PMC2	Z	.009	.009	0	%100
21	PMC3	X	005	005	0	%100
22	PMC3	Z	.009	.009	0	%100
23	PMC4	X	005	005	0	%100
24	PMC4	Z	.009	.009	0	%100
25	S1	PX	008	008	0	%100
26	S1	PZ	.014	.014	0	%100
27	S2	PX	008	008	0	%100
28	\$2	PZ .	.014	.014	0	%100
29	S3	PX	008	008	0	%100
30	\$3	PZ	.014	.014	0	%100
31	S4	PX	008	008	0	%100
32	S4	PZ	.014	.014	0	%100
33	<b>S</b> 5	PX	008	008	0	%100
34	<b>S</b> 5	PZ	.014	.014	0	%100
35	S6	PX	008	008	0	%100
36	S6	PZ	.014	.014	0	%100



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#### Member Distributed Loads (BLC 8: Wind 210 Deg - No lce) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
37	S7	PX	01	01	0	%100
38	S7	PZ	.017	.017	0	%100
39	<u>\$8</u>	PX	007	007	0	%100
40	S8	PZ	.012	.012	0	%100
41	S9	PX	007	007	0	%100
42	<u>\$9</u>	PZ	.012	.012	0	%100
43	K1	PX	005	005	0	%100
44	<u>K1</u>	PZ	.009	.009	0	%100
45	K2	PX	005	005	0	%100
46	K2	PZ	.009	.009	0	%100
47	K3	PX	006	006	0	%100
48	K3	P <u>Z</u>	.011	.011	0	%100
49	CB1	PX	005	005	0	%100
50	CB1	PZ	.009	.009	0	%100
51	CB2	PX	005	005	0	%100
52	CB2	PZ	.009	.009	0	%100
53	CB3	PX	004	004	0	%100
54	CB3	PZ	.008	.008	0	%100
55	G1	PX	004	004	0	%100
56	G1	PZ	.006	.006	0	%100
57	G2	PX	006	006	0	%100
58	G2	PZ	.01	.01	0	%100
59	G3	PX	006	006	0	%100
60	G3	PZ	.01	.01	. 0	%100
61	G 4	PX	004	004	0	%100
62	G 4	PZ	.006	.006	0	%100
63	G5	PX	006	006	0	%100
64	G5	PZ	.01	.01	0	%100
65	G6	PX	006	006	0	%100
66	G 6	PZ	.01	.01	0	%100
67	C1	PX	011	011	0	%100
68	C1	PZ	.018	.018	0	%100
69	C2	PX	011	011	0	%100
70	C2	PZ	.018	.018	0	%100
71	C3	PX	011	011	0	%100
72	C3	PZ	.018	.018	0	%100
73	HRC	PX	004	004	0	%100
74	HRC	PZ	.007	.007	0	%100
75	HC	PX	006	006	0	%100
76	HC	PZ	.011	.011	0	%100
77	HRB	PX	002	002	0	%100
78	HRB	PZ	.004	.004	0	%100
79	НВ	PX	004	004	0	%100
80	НВ	PZ	.006	.006	0	%100
81	HRA	PX	004	004	0	%100
82	HRA	PZ	.007	.007	0	%100
83	HA	PX	006	006	0	%100
84	HA	PZ	.011	.011	0	%100

#### Member Distributed Loads (BLC 9: Wind 240 Deg - No lce)

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



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Member Distributed Loads (BLC 9: Wind 240 Deg - No te) (Continued)

	iber Distributed Lo					
	Member Label	Direction		End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
1	PMA1	X	009	009	0	%100
2	PMA1	Z	.005	.005	0	%100
3	PMA2	X	009	009	0	%100
4	PMA2	Z	.005	.005	0	%100
5	PMA3	X	<u></u> 009	009	0	%100
6	PMA3	Z	.005	.005	0	%100
7	PMA4	X	009	009	0	%100
8	PMA4	Z	.005	.005	0	%100
_ 9	PMB1	X	009	009	0	%100
10	<u>PMB1</u>	Z	.005	.005	0	%100
11	PMB2	X	009	009	0	%100
_12	PMB2	Z	.005	.005	0	%100
13	PMB3	: X	009	009	0	%100
14	PMB3	Z	.005	.005	0	%100
15	PMB4	Х	009	009	0	%100
16	PMB4	Z	.005	.005	0	%100
17	PMC1	X	007	007	%50	%100
18	PMC1	Z	.004	.004	%50	%100
19	PMC2	X	007	007	%62.5	%100
20	PMC2	Z	.004	.004	%62.5	%100
21	PMC3	X	007	007	0	%9.635
22	PMC3	Z	.004	.004	0	%9.635
23	PMC3	X	007	007	%40.365	%100
. 24	PMC3	Z	.004	.004	%40.365	%100 %100
25	PMC4	X	007	007	%50	%100 %100
26	PMC4	Z	.004	.004	%50	%100 %100
27	\$1	PX	016	016	0	%100 %100
28	S1	PZ	.009	.009	0	%100 %100
29	S2	PX	013	013	0	%100 %100
30	\$2	PZ	.008	.008	0	%100 %100
31	\$3	PX	013	013	0	%100 %100
32	\$3	PZ	.008	.008	0	%100 %100
33	\$4	PX	012	012	0	%100 %100
34	\$4	PZ	.007	.007		
35	S5	PX	015	015	0	%100 %100
36	S5	PZ	.009	.009	0	%100 %100
37	\$6	PX	015	015	0	
38		PZ	.009			%100 %100
39	S7	PX	016	.009 016	0	%100 %100
40	\$7 \$7	PZ	.009		0	%100 %400
41		PX		.009	0	<u>%100</u>
42		PZ	013	013	0	%100
42		PX	.008	.008	0	%100
44	\$9	PZ	013	013	0	%100
45			.008	.008	0	%100
46		PX	011	011	0	<u>%100</u>
	K1	PZ_	.006	.006	0	%100
47	K2	PX	008	008	0	%100
48	K2	PZ	.004	.004	0	%100
49	K3	PX	011	011	0	%100
50	K3	PZ	.006	.006	0	%100
51	<u>CB1</u>	PX	009	009	0	%100
52	<u>C</u> B1	PZ	.005	.005	0	%100



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# Member Distributed Loads (BLC 9: Wind 240 Deg - No te) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
53	CB2	PX	008	008	0	%100
54	CB2	PZ	.005	.005	0	%100
55	CB3	PX	008	008	. 0	%100
56	CB3	₽Z	.005	.005	0	%100
57	G1	PX	008	008	0	%100
58	G1	PZ	.005	.005	0	%100
59	G2	PX	01	01	0	%100
60	G2	PZ	.006	.006	0	%100
61	G3	PX	008	008	0	%100
62	G3	PZ	.005	.005	0	%100
63	G4	PX	008	008	0	%100
64	G4	PZ	.005	.005	0	%100
65	G5	PX	01	01	0	%100
66	G5	PZ	.006	.006	0	%100
67	G 6	PX	008	008	0	%100
68	G6	PZ	.005	.005	0	%100
69	C1	PX	018	018	0	%100
70	C1	PZ	.011	.011	0	%100
71	C2	PX	019	019	0	%100
72	C2	PZ	.011	.011	0	%100
73	C3	PX	018	018	0	%100
74	C3	PZ	.011	.011	0	%100
75	HRC	PX	007	007	0	%100
76	HRC	PZ	.004	.004	. 0	%100
77	HC	PX	011	011	0	%100
78	HC	PZ	.006	.006	0	%100
79	HRB	PX	007	007	0	%100
80	HRB	PZ	.004	.004	0	%100
81	НВ	PX	01	01	0	%100
82	НВ	PZ	.006	.006	0	%100
83	HRA	PX	007	007	0	%100
84	HRA	PΖ	.004	.004	0	%100
85	HA	PX	01	01	0	%100
86	HA	PZ	.006	.006	0	%100

# Member Distributed Loads (BLC 10: Wind 270 Deg - No Ice)

		•				
	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
: 1	PMA1	X	01	01	0	%100
2	PMA2	X	01	01	0	%100
3	PMA3	Х	01	01	0	%100
4	PMA4	X	01	01	0	%100
5	PMB1	. X	01	01	0	%100
6	PMB2	X	01	01	0	%100
7	PMB3	X	01	01	0	%100
8	PMB4	X	01	01	0	%100
9	PMC1	X	01	01	0	%100
10	PMC2	X	01	01	0	%100
_11	PMC3	Χ	01	01	0	%100
12	PMC4	Х	01	01	0	%100
13	S1	PX	02	02	0	%100
14	S2	PX	014	014	0	%100



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: DDC

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#### Member Distributed Loads (BLC 10: Wind 270 Deg - No Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
15	\$3	PX	014	014	0	%100
16	S4	PX	017	017	0	%100
17	S5	PX	017	017	0	%100
18	\$6	PX	017	017	0	%100
19	S7	PX	017	017	0	%100
20	\$8	PX	017	017	0	%100
21	S9	PX	017	017	0	%100
22	K1	PX	013	013	0	%100
23	K2	PX	011	011	0	%100
24	K3	PX	011	011	0	%100
25	CB1	PX	01	01	0	%100
26	CB2	PX	009	009	0	%100
27	CB3	PX	01	01	0	%100
28	G1	PX	011	011	0	%100
29	G2	PX	011	011	0	%100
30	G3	PX	007	007	0.	%100
31	G4	PX	011	011	0	%100
32	G5	PX	011	011	.0	%100
33	G 6	PX	007	007	0	%100
34	C1	PX	021	021	0	%100
35	C2	PX	021	021	0	%100
36	C3	PX	021	021	0	%100
37	HRC	PX	008	008	0	%100
38	HC	PX	012	012	0	%100
39	HRB	PX	008	008	0	%100
40	HB	PX	012	012	0	%100
41	HRA	PX	005	005	0	%100
42	HA	PX	007	007	0	%100

#### Member Distributed Loads (BLC 11: Wind 300 Deg - No Ice)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
1	PMA1	X	009	009	0	%100
2	PMA1	Z	005	005	0	%100
3	PMA2	X	009	009	0	%100
4	PMA2	Z	005	005	0	%100
5	PMA3	X	009	009	0	%100
6	PMA3	Z	005	005	0	%100
7	PMA4	X	009	009	0	%100
8	PMA4	Z	005	005	0	%100
9	PMB1	Χ	007	007	%50	%100
10	PMB1	Z	004	004	%50	%100
11	PMB2	X	007	007	%62.5	%100
12	PMB2	Z	004	004	%62.5	%100
13	PMB3	X	007	007	0	%9.635
14	PMB3	Z	004	004	0	%9.635
15	PMB3	Χ	007	007	%40.365	%100
16	PMB3	Z	004	004	%40.365	%100
17	PMB4	X	007	007	%50	%100
18	PMB4	Z	004	004	%50	%100
19	PMC1	Х	009	009	0	%100
20	PMC1	Z	005	005	0	%100



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#### Member Distributed Loads (BLC 11: Wind 300 Deg - No Ice) (Continued)

	Member Label	Direction	S tart Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
21	PMC2	X	009	009	0	%100
22	PMC2	Z	005	005	0	%100
23	PMC3	; X	009	009	0	%100
24	PMC3	Z	005	005	0	%100
25	PMC4	Х	009	009	. 0	%100
26	PMC4	Z	005	005	0	%100
27	S1	PX	016	016	0	%100
28	S1	PZ	009	009	0	%100
29	S2	PX	013	013	0	%100
30	\$2	PZ	008	008	0	%100
31	S3	PX	013	013	0	%100
32	<b>S</b> 3	PZ	008	008	0	%100
33	\$4	PX	016	016	0	%100
34	84	PZ	- 009	009	0	%100
35	\$5	PX	013	013	0	%100
36	\$5	PZ	008	008	0	%100
37	\$6	PX	013	013	0	%100
38	\$6	PZ	008	008	0	%100
39	S7	PX	012	012	0	%100 %100
40	S7	PZ	007	007	0	%100 %100
41	S8	PX	015	015	0	%100 %100
42	S8	PZ	009	009	0	%100 %100
43	S9	PX	015	015	0	%100 %100
44	S9	PZ	009	009	0	%100 %100
45	K1	PX	011	011	0	%100 %100
46	K1	PZ	006	006	0	%100 %100
47	K2	PX	011	011	0	%100 %100
48	K2	PZ	006	006	0	%100 %100
49	K3	PX	008	008	0	%100 %100
50	K3	PZ	004	004	0	%100 %100
51	CB1	PX	008	004	0	%100 %100
52	CB1	PZ	005	005	0	%100 %100
53	CB2	PX	008	003	0	%100 %100
54	CB2	PZ	005	005	0	%100 %100
55	CB3	PX	009	009	0	%100 %100
56	CB3	PZ	005	005	0	%100 %100
57	G1	: PX	005	005	0	%100 %100
58	G1	PZ	006	006	0	%100 %100
59	G2	PX				%100 %100
60	G2 G2	PZ	008 005	008	0	%100 %100
61	G2 G3	PX	005	005 008		%100 j
62	G3	PZ			0	
	G3 G4		005 01	005	0	%100 %100
63	G4 G4	PX PZ		01	0	%100 %100
64	G5	<u>I PZ</u> PX	006	006	0	%100 %100
	G5		008	008	0	%100 %100
66		PZ	005	005	0	%100 %100
67	G 6	PX	008	008	0	%100
68	G 6	PZ	005	005	0	%100
69	<u>C1</u>	PX	018	018	0	%100
70	<u>C1</u>	PZ	011	011	0	%100
71	C2	PX	018	018	0	%100
72	C2	PZ	011	011	0	%100



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#### Member Distributed Loads (BLC 11: Wind 300 Deg - No Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
73	C3	PX	019	019	0	%100
74	C3	PZ	011	011	0	%100
75	HRC	PX	007	007	0	%100
76	HRC	PZ	004	004	0	%100
77	HC	PX	01	01	0	%100
78	HC	PZ	006	006	0	%100
79	HRB	PX	007	007	0	%100
- 80	HRB	PZ	004	004	0	%100
81	НВ	PX	011	011	0	%100
82	НВ	PZ	006	006	0	%100
83	HRA	PX	007	007	0	%100
84	HRA	PZ	004	004	0	%100
85	HA	PX	01	01	0	%100
86	HA	PZ	006	006	0	%100

# Member Distributed Loads (BLC 12: Wind 330 Deg - No Ice)

		•	•			
	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
1	PMA1	X	005	005	0	%100
2	PMA1	Z	009	009	0	%100
3	PMA2	. X	005	005	0	%100
4	PMA2	Z	009	009	0	%100
5	PMA3	Х	005	005	0	%100
6	PMA3	Z	009	009	0	%100
7	PMA4	Х	005	005	0	%100
8	PMA4	Z	009	009	0	%100
9	PMB1	X	005	005	0	%100
10	PMB1	Z	009	009	0	%100
11	PMB2	Х	005	005	0	%100
12	PMB2	Z	009	009	0	%100
13	PMB3	Х	005	005	0	%100
14	PMB3	Z	009	009	0	%100
15	PMB4	X	005	005	0	%100
16	PMB4	Z	009	009	0	%100
17	PMC1	Х	005	005	0	%100
18	PMC1	Z	009	009	0	%100
. 19	PMC2	Х	005	005	0	%100
20	PMC2	Z	009	009	0	%100
21	PMC3	Х	005	005	0	%100
22	PMC3	Z	009	009	0	%100
23	PMC4	Х	005	005	0	%100
24	PMC4	Z	009	009	0	%100
25	S1	PX	008	008	0	%100
26	S1	PZ	014	014	0	%100
. 27	<b>S</b> 2	PX	008	008	0	%100
28	S2	PZ	014	014	0	%100
29	\$3	PX	008	008	0	%100
30	\$3	PZ	014	014	0	%100
31	\$4	PX	01	01	0	%100
32	\$4	PZ	017	017	0	%100
33	<b>\$</b> 5	PX	007	007	0	%100
34	S5	PZ	012	012	0	%100



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#### Member Distributed Loads (BLC 12: Wind 330 Deg - No Ice) (Continued)

	Member Label	Direction		. End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
35	\$6	PX	007	007	0	%100
36	S6	PZ	012	012	0	%100
: 37	S7	PX	008	008	0	%100
_38	S7	PZ	014	014	0	%100
39	\$8	PX	008	008	0	%100
40	\$8	PZ	014	014	0	%100
41	<u> </u>	PX	008	008	0	%100
42	<u>\$9</u>	PZ	014	014	0	%100
43	K1	PX	005	005	0	%100
44	K1	PZ	009	009	0	%100
45	K2	PX	006	006	0	%100
46	K2	PZ	011	011	0	%100
47	K3	PX	005	005	0	%100
48	K3	PZ	009	009	0	%100
49	CB1	PX	004	004	0	%100
50	CB1	PZ	008	008	0	%100
51	CB2	PX	005	005	0	%100
52	CB2	PZ	009	009	0	%100
53	CB3	PX	005	005	0	%100
54	CB3	PZ	009	009	0	%100
55	G1	PX	006	006	0	%100
56	G1	PZ	01	01	0	%100
57	G2	PX	004	004	0	%100
58	G2	PZ	006	006	0	%100
59	G3	PX	006	006	0	%100
60	G3	PZ	01	01	ō	%100
61	G4	PX	006	006	0	%100
62	G4	PZ	01	01	0	%100
63	G5	PX	004	004	Ŏ	%100
64	G 5	PZ	006	006	Ö	%100
65	G6	PX	006	006	0 -	%100
66	G6	PZ	01	01	ŏ l	%100
67	C1	PX	011	011	Ö	%100
68	C1	PZ	018	018	Ö	%100
69	C2	PX	011	011	Ö	%100
70	C2	PZ	018	018	0	%100
71	C3	PX	011	011	0	%100 %100
72	C3	PZ	018	018	0	%100 %100
73	HRC	PX	002	002	0	%100 %100
74	HRC	PZ	004	004	0	%100 %100
75	HC	PX	004	004	0	%100 %100
76	HC	PZ	006	006	0	%100 %100
77	HRB	PX	004	004	0	%100 %100
78	HRB	PZ	007	007	0	%100 %100
79	HB	PX	006	006	0	%100 %100
80	НВ	PZ	011	011	0	%100 %100
81	HRA	PX	004	011 004	0	%100 %100
82	HRA	PZ	004	007		%100 %100
83	HA	. PX	007	007	0	%100 %100
		PZ				
_84	HA	<u> </u>	011	011	0	%100



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Member Distributed Loads (BLC 13: Wind 0 Deg - Ice)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F		End Location[in,%]
1	PMA1	Z	003	003	%50	%100
2	PMA2	Z	003	003	%62.5	%100
3	PMA3	Z	003	003	0	%9.635
4	PMA3	Z	003	003	%40.365	%100
5	PMA4	Z	003	003	%50	%100
6	PMB1	Z	004	004	0	%100
7	PMB2	Z	004	004	0	%100
8	PMB3	Z	004	004	0	%100
9	PMB4	Z	004	004	0	%100
10	PMC1	Z	004	004	0	%100
11	PMC2	Z	004	004	0	%100
12	PMC3	Z	004	004	0	%100
13	PMC4	Z	004	004	0	%100
14	S1	PZ	004	004	0	%100
15	S2	PZ	005	005	0	%100
16	\$3	PZ	005	005	0	%100
17	\$4	PZ	006	006	0	%100
: 18	<b>S</b> 5	PZ	004	004	0	%100
19	\$6	PZ	004	004	0	%100
20	S7	PZ	006	006	0	%100
21	\$8	PZ	004	004	0	%100
22	S9	PZ	004	004	0	%100
23	K1	PΖ	003	003	0	%100
24	K2	PZ	005	005	0	%100
. 25	K3	PZ	005	005	0	%100
. 26	CB1	PZ	003	003	0	%100
27	CB2	PZ	004	004	0	%100
28	CB3	PZ	003	003	0	%100
29	G1	PZ	004	004	0	%100
30	G2	PZ	004	004	0	%100
31	G 3	PZ	005	005	0	%100
32	G4	PZ	004	004	0	%100
33	G5	PZ	004	004	0	%100
34	G6	PZ	005	005	0	%100
35	C1	PZ	005	005	0	%100
36	C2	PZ	005	005	0	%100
37	C3	PZ	005	005	0	%100
38	HRC	PZ	003	003	0	%100
39	HC	PZ	004	004	0	%100
40	HRB	PZ	003	003	0	%100
41	НВ	PZ	004	004	0	%100
42	HRA	PZ	003	003	0	%100
43	НА	PZ	004	004	0	%100

# Member Distributed Loads (BLC 14: Wind 30 Deg - Ice)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
1	PMA1	X	.002	.002	0	%100
2	PMA1	Z	003	003	0	%100
3	PMA2	X	.002	.002	0	%100
4	PMA2	Z	003	003	0	%100
5	PMA3	X	.002	.002	0	%100



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Member Distributed Loads (BLC 14: Wind 30 Deg - Ice) (Continued)

			T. Willia 30 Deg	10 0) (0 0 11 11 11 11	/	
	Member Label	Direction		. End Magnitude[k/ft,F		End Location[in,%]
6	PMA3	Z	003	003	0	%100
7	PMA4	X	.002	.002	0	%100
8	PMA4	Z	003	003	0	%100
9	PMB1	X	.002	.002	0	%100
10	PMB1	Z	003	003	00	%100
11	PMB2	X	.002	.002	0	%100
12	PMB2	Z	003	003	0	%100
13	PMB3	X	.002	.002	<u> </u>	%100
14	PMB3	Z	003	-,003	0	%100
15	PMB4	Χ	.002	.002	0	%100
16	PMB4	Z	003	003	0	%100
17	PMC1	X	.002	.002	0	%100
18	PMC1	Z	003	003	0	%100
19	PMC2	Χ	.002	.002	. 0	%100
20	PMC2	Z	003	003	0	%100
21	PMC3	X	.002	.002	0	%100
22	PMC3	Z	003	003	0	%100
23	PMC4	X	.002	.002	0	%100
24	PMC4	Z	003	003	0	%100
25	\$1	PX	.002	.002	0	%100
26	S1	PZ	004	004	0	%100
27	\$2	PX	.002	.002	0	%100
28	S2	PZ	004	004	Ö	%100
29	S3	PX	.002	.002	0	%100
30	\$3	PZ	004	004	0	%100
31	S4	PX	.002	.002	0	%100
32	S4	PZ	004	004	0	%100
33	\$5	PX	.002	.002	0	%100
34	\$5	PZ	004	004	0	%100 %100
35	S6	PX	.002	.002	0	%100 %100
36	S6	PZ	004	004	0	%100
37	S7	PX	.003	.003	0	%100 %100
38	\$7	PZ	005	005	0	%100 %100
39	S8	PX	.002	.002	Ö	%100
40	\$8	PZ	004	004	Ö	%100 %100
41	S9	PX	.002	.002	0	%100 %100
42	S9	PZ	004	004	0	%100 %100
43	K1	PX	.002	.002	0	%100 %100
44	K1	PZ	003	003	0	%100 %100
45	K2	PX	.002	.002	0	%100 %100
46	K2	PZ	003	003	0	%100 %100
47	K3	PX	.002	.002	0	%100 %100
48	K3	PZ	004	004	0	%100 %100
49	CB1	PX	.002	.002	0	%100 %100
50	CB1	PZ	003	003	0	%100 %100
51	CB2	PX	.002	.002	0	%100 %100
52	CB2	PZ	003	003	0	%100 %100
53	CB3	PX	.002	.002	0	%100 %100
54	CB3	PZ	003	003	0	%100 %100
55	G1	PX	.002	.003	0	%100 %100
56	G1	PZ	003	003	0	%100 %100
57		PX				
0/	G2	L PX	.002	.002	0	%100



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Member Distributed Loads (BLC 14: Wind 30 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
58	G2	PΖ	004	004	0	%100
59	G3	PX	.002	.002	0	%100
60	G3	PZ	004	004	0	%100
61	G4	PX	.002	.002	0	%100
62	G4	PZ	003	003	0 .	%100
63	G5	PX	.002	.002	0	%100
64	G5	₽Z	004	004	0	%100
65	G 6	PX	.002	.002	0	%100
66	G6	PZ	004	004	0	%100
67	C1	PX	.003	.003	0	%100
68	C1	PZ	005	005	0	%100
69	C2	PΧ	.003	.003	0	%100
70	C2	PZ	005	005	0	%100
71	C3	PX	.003	.003	0	%100
72	C3	PZ	005	005	0	%100
_73	HRC	PX	.002	.002	0	%100
74	HRC	PZ	003	003	0	%100
75	HC	PX	.002	.002	0	%100
76	HC	PZ	003	003	0	%100
77	HRB	PX	.000948	.000948	0	%100
78	HRB	PZ	002	002	0	%100
79	НВ	PX	.001	.001	0	%100
80	НВ	PZ	002	002	0	%100
81	HRA	PX	.002	.002	0	%100
82	HRA	PZ	003	003	0	%100
83	HA	PX	.002	.002	0	%100
84	HA	PZ	003	003	0	%100

Member Distributed Loads (BLC 15: Wind 60 Deg - Ice)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
_1	PMA1	X	.003	.003	0	%100
_2	PMA1	Z	002	002	0	%100
3	PMA2	X	.003	.003	0	%100
4	PMA2	Z	002	002	0	%100
5	PMA3	X	.003	.003	0	%100
6	PMA3	Z	002	002	0	%100
7	PMA4	X	.003	.003	0	%100
8	PMA4	Z	002	002	0	%100
9	PMB1	Χ	.003	.003	0	%100
10	PMB1	Z	002	002	0	%100
11	PMB2	. X	.003	.003	0	%100
12	PMB2	Z	- 002	002	0	%100
_13	PMB3	X	.003	.003	0	%100
14	PMB3	Z	002	002	0	%100
15	PMB4	X	.003	.003	0	%100
16	PMB4	Z	002	002	0	%100
17	PMC1	X	.003	.003	%50	%100
18	PMC1	Z	001	001	%50	%100
_19	PMC2	X	.003	.003	%62.5	%100
20	PMC2	Z	001	001	%62.5	%100
21	PMC3	X	.003	.003	0	%9.635



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Member Distributed Loads (BLC 15: Wind 60 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location lin, %1	End Location[in,%]
22	PMC3	Z	001	001	0	%9.635
23	PMC3	. X	.003	.003	%40.365	%100
24	PMC3	Z	001	001	%40.365	%100
25	PMC4	X	.003	.003	%50	%100
26	PMC4	Z	001	001	%50	%100
27	S1	PX	.005	.005	. 0	%100
28	S1	PZ	003	003	0	%100
29	S2	PX	.004	.004	0	%100
30	S2	PZ	002	002	0	%100 %100
31	\$3	PX	.004	.004	. 0	%100 %100
32	\$3	PZ	002	002	0	%100 %100
33	\$4	PX	.004	.004	0	%100
34	S4	PZ	002	002	0	%100
35	S5	PX	.004	.004	0	%100 %100
36	\$5	PZ	003	003	0	%100 %100
37	\$6	PX	.004	.004	0	%100 %100
38	\$6	PZ	003	003	0	%100 %100
39	S7	PX	.005	.005	0	%100 %100
40	S7	PZ	003	003	0	%100 %100
41	\$8	PX	.004	.004	0	
42	\$8	PZ	002	002	0	%100 %400
43	S9	PX	.004	.004	0	%100 %400
44	. <u>55</u> 89	PZ	002	002	0	%100 %400
45	K1	PX	.004	.004		<u>%100</u>
46	K1	PZ	002		0	<u>%100</u>
47	K2	PX	.003	002	0	<u>%100</u>
48	K2	PZ	002	.003 002	0	%100 %400
49	K3	PX	.004	.004	0	%100 %100
50	K3	PZ	002	002	0	%100 %100
51	CB1	PX	.003	.002	0	%100
52	CB1	PZ	002	002		%100 %100
53	CB2	PX	.003	.003	0	%100
54	CB2	PZ	002		0	%100
55	CB3	PX	.003	002	0	%100
56	CB3	PZ	002	.003	0	%100 0/400
57	G1	PX	.003	002	0	%100 %100
58	G1	PZ		.003	0	<u>%100</u>
59 ,	G2	PX	002 .004	002	0	<u>%100</u>
60	G2	PZ		.004	0	%100 %100
61	G3	PX	003	003	0	%100
62	G3	PZ	.003	.003	0	%100
63	G3		002	002	0	%100
64	G4 G4	PX PZ	.003	.003	0	%100
65	G5		002	002	0	%100
66		PX	.004	.004	0	%100
	G 5	PZ	003	003	0	%100
67 68	<u>G6</u>	PX	.003	.003	0	%100
	G 6	PZ	002	002	0	%100
69	C1	PX	.005	.005	0	%100
70	<u>C1</u>	PZ	003	003	0	%100
71	C2	PX	.005	.005	0	%100
72	C2	PZ	003	003	0	%100
73	C3	PX	.005	.005	0	%100



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#### Member Distributed Loads (BLC 15: Wind 60 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
74	C3	PZ	003	003	0	%100
75	HRC	PΧ	.003	.003	0	%100
_76	HRC	PZ	002	002	0	%100
77	HC	PX	.003	.003	0	%100
78	HC	PZ	002	002	0	%100
79	HRB	PX	.003	.003	0	%100
80	HRB	PZ	002	002	0	%100
81	HВ	PX	.003	.003	0	%100
82	HB	PZ	002	002	0	%100
83	HRA	PX	.003	.003	0	%100
84	HRA	PZ	002	002	0	%100
85	HA	PX	.003	.003	0	%100
86	HA	PZ	002	002	0	%100

#### Member Distributed Loads (BLC 16: Wind 90 Deg - Ice)

	Member Label	Direction	Start Magnitude [k/ft	End Magnitude[k/ft,F	. Start Location (in.%)	End Location(in,%)
1	PMA1	Х	.004	.004	0	%100
2	PMA2	X	.004	.004	0	%100
3	PMA3	X	.004	.004	0	%100
4	PMA4	Х	.004	.004	0	%100
5	PMB1	Х	.004	.004	0	%100
6	PMB2	Х	.004	.004	0	%100
7	PMB3	Х	.004	.004	0	%100
8	PMB4	X	.004	.004	0	%100
9	PMC1	X	.004	.004	0	%100
10	PMC2	Х	.004	.004	0	%100
11	PMC3	Х	.004	.004	0	%100
12	PMC4	Х	.004	.004	0	%100
13	<b>S</b> 1	PX	.006	.006	0	%100
14	S2	PX	.004	.004	0	%100
15	S3	PX	.004	.004	0	%100
16	S4	PX	.005	.005	0	%100
17	S5	PX	.005	.005	0	%100
18	S6	PX	.005	.005	0	%100
19	\$7	PX	.005	.005	0	%100
20	\$8	PX	.005	.005	0	%100
21	S9	PX	.005	.005	0	%100
22	K1	PX	.005	.005	0	%100
23	K2	PX	.004	.004	0	%100
24	K3	PX	.004	.004	0	%100
25	CB1	PX	.004	.004	0	%100
26	CB2	PX	.003	.003	0	%100
27	CB3	PΧ	.004	.004	0	%100
28	G 1	PX	.005	.005	. 0	%100
29	G2	PX	.005	.005	0	%100
30	G3	PX	.003	.003	0	%100
31	G 4	PX	.005	.005	0	%100
32	G 5	PX	.005	.005	0	%100
33	G 6	PX	.003	.003	0	%100
34	C1	PX	.005	.005	0	%100
35	C2	PX	.005	.005	0	%100



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# Member Distributed Loads (BLC 16: Wind 90 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
36	C3	PX	.005	.005	0	%100
37	HRC	PX	.003	.003	0	%100
_38	HC	PX	.004	.004	0	%100
39	HRB	PX	.003	.003	0	%100
40	HB	PX	.004	.004	0	%100
41	<u>HRA</u>	PX	.002	.002	0	%100
42	HA	PX	.002	.002	0	%100

#### Member Distributed Loads (BLC 17 : Wind 120 Deg - Ice)

	Member Label	Direction	Start Magnitude Ik/ft	.End Magnitude[k/ft,F	Start Location lin %1	End Location[in,%]
1	PMA1	: X	.003	.003	0	%100
2	PMA1	Z	.002	.002	0	%100 %100
3	PMA2	X	.003	.003	0	%100
4	PMA2	Z	.002	.002	- 0	%100 %100
5	PMA3	X	.003	.003	0	%100 %100
6	PMA3	Z	.002	.002	0	%100
7	PMA4	X	.003	.003	0	%100
8	PMA4	Z	.002	.002	0	%100 %100
9	PMB1	X	.003	.003	%50	%100
10	PMB1	Z	.001	.001	%50	%100
11	PMB2	Х	.003	.003	%62.5	%100
12	PMB2	Z	.001	.001	%62.5	%100
. 13	PMB3	Χ	.003	.003	0	%9.635
14	PMB3	Z	.001	.001	0	%9.635
15	PMB3	Х	.003	.003	%40.365	%100
_16	PMB3	Z	.001	.001	%40.365	%100
17	PMB4	Χ	.003	.003	%50	%100
18	PMB4	Z	.001	.001	%50	%100
19	PMC1	Χ	.003	.003	0	%100
20	PMC1	Z	.002	.002	0	%100
21	PMC2	X	.003	.003	0	%100
22	PMC2	Z	.002	.002	0	%100
_23	PMC3	Χ	.003	.003	0	%100
_24	PMC3	Z	.002	.002	0	%100
25	PMC4	Χ	.003	.003	0	%100
26	PMC4_	Z	.002	.002	0	%100
27	S1	PX	.005	.005	0	%100
28	S1	PZ	.003	.003	0	%100
29	<u>\$2</u>	PX	.004	.004	0	%100
30	S2	PZ	.002	.002	0	%100
31	\$3	PX	.004	.004	0	%100
32	<u>\$3</u>	PZ	.002	.002	0	%100
_33	\$4	PX	.005	.005	0	%100
34	\$4	PZ	.003	.003	0	%100
35	<b>\$</b> 5	PX	.004	.004	0	%100
36	\$5	PZ	.002	.002	0	%100
37	\$6	PX	.004	.004	0	%100
38	\$6	PZ	.002	.002	0	%100
39	\$7	PX	.004	.004	0	%100
40	S7	PZ	.002	.002	0	%100
41	S8	PX	.004	.004	0	%100



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#### Member Distributed Loads (BLC 17: Wind 120 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
42	S8	PZ	.003	.003	0	%100
43	S9	PX	.004	.004	0	%100
44	S9	PZ	.003	.003	0	%100
45	K1	PX	.004	.004	0	%100
46	K1	PZ	.002	.002	0	%100
47	K2	PX	.004	.004	0	%100
48	K2	PZ	.002	.002	0	%100
49	K3	PX	.003	.003	0	%100
50	K3	PZ	.002	.002	0	%100
51	CB1	PX	.003	.003	. 0	%100
52	CB1	PZ	.002	.002	0	%100
53	CB2	PX	.003	.003	0	%100
54	CB2	PZ	.002	.002	0	%100
55	CB3	PX	.003	.003	0	%100
56	CB3	PZ	.002	.002	0	%100
57	G1	PX	.004	.004	0	%100
58	G1	PZ	.003	.003	O I	%100
59	G2	PX	.003	.003	0	%100
60	G2	PZ	.002	.002	0	%100
61	G3	PX	.003	.003	0	%100 %100
62	G3	PZ	.002	.002	0	%100
63	G 4	PX	.004	.004	0	%100 %100
64	G4	PZ	.003	.003	Ö	%100
65	G5	PX	.003	.003	0	%100
66	G 5	PZ	.002	.002	0	%100
67	G6	PX	.003	.003	0	%100 %100
68	G6	PZ	.002	.002	0	%100
69	C1	PX	.005	.005	0	%100
70	C1	PZ	.003	.003	0	%100
71	C2	PX	.005	.005	0	%100
72	C2	PZ	.003	.003	0	%100
73	C3	PX	.005	.005	0	%100
74	C3	PZ	.003	.003	0	%100
75	HRC	PX	.003	.003	Ŏ	%100 %100
76	HRC	PZ	.002	.002	ő	%100
77	HC	PX	.003	.003	Ö	%100 ,
78	HC	PZ	.002	.002	ő	%100 %100
79	HRB	PX	.003	.003	ő	%100
80	HRB	PZ	.002	.002	ő	%100 %100
81	HB	PX	.003	.003	ő	%100
82	НВ	PZ	.002	.002	Ŏ	%100 %100
83	HRA	PX	.003	.003	0	%100 %100
84	HRA	PZ	.002	.002	0	%100 %100
85	HA	PX	.003	.003	0	%100 %100
86	HA	PZ	.002	.002	0	%100 %100
<u> </u>	11/3	<u> </u>	.002	, .UUZ		70100

# Member Distributed Loads (BLC 18: Wind 150 Deg - Ice)

	Member Label	Direction	Start Magnitude [k/ft,.	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
1	PMA1	X	.002	.002	0	%100
2	PMA1	Z	.003	.003	0	%100
3	PMA2	Х	.002	.002	0	%100



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# Member Distributed Loads (BLC 18: Wind 150 Deg - Ice) (Continued)

•	Member Label	Direction	Start Magnitude[k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
4	PMA2	Z	.003	.003	0	%100
5	PMA3	Х	.002	.002	0	%100
6	PMA3	Z	.003	.003	0	%100
7	PMA4	Х	.002	.002	0	%100
8	PMA4	Z	.003	.003	0	%100
9	PMB1	X	.002	.002	0	%100
10	PMB1	Z	.003	.003	0	%100
11	PMB2	Х	.002	.002	0	%100
12	PMB2	Z	.003	.003	0	%100
13	PMB3	Х	.002	.002	0	%100
14	PMB3	Z	.003	.003	0	%100
15	PMB4	X	.002	.002	0	%100
16	PMB4	Z	.003	.003	0	%100
17	PMC1	X	.002	.002	0	%100
18	PMC1	Z	.003	.003	0	%100
19	PMC2	X	.002	.002	: 0	%100
20	PMC2	Z	.003	.003	0	%100
21	PMC3	X	.002	.002	0	%100
22	PMC3	Z	.003	.003	0	%100
23	PMC4	X	.002	.002	0	%100
24	PMC4	Z	.003	.003	0	%100
25	S1	PX	.002	.002	0	%100
26	S1	PZ	.004	.004	0	%100
27	S2	PX	.002	.002	0	%100
28	\$2 -	PZ	.004	.004	0	%100
29	<b>S</b> 3	PX	.002	.002	0	%100
30	<b>S</b> 3	PZ	.004	.004	0	%100
31	S4	PX	.003	.003	0	<u>%</u> 100
32	S4	PZ	.005	.005	0	%100
33	<b>S</b> 5	PX	.002	.002	0	% <u>100</u>
34	S5	PZ	.004	.004	0	<u>%1</u> 00
35	S6	PX	.002	.002	0	%100
36	\$6	PZ.	.004	.004	0	%100
37	\$7	PX	.002	.002	0	%100
38	S7	PZ	.004	.004	0	%100
39	<u>\$8</u>	PX	.002	.002	0	%100
40	S8	PZ	.004	.004	0	%100
41	S9	PX	.002	.002	0	%100
42	\$9	PZ	.004	.004	0	%100
43	K1	PX	.002	.002	0	%100
44	K1	PZ	.003	.003	0	%100
45	K2	PX	.002	.002	0	%100
46	K2	PZ	.004	.004	0	%100
47	К3	PX	.002	.002	0	%100
48	<u>K3</u>	PZ	.003	.003	0	%100
49	CB1	PX	.002	.002	0	%100
50	CB1	PΖ	.003	.003	0	%100
51	CB2	PX	.002	.002	0	%100
52	CB2	PZ	.003	.003	0	%100
53	CB3	PX	.002	.002	0	%100
54	CB3	PZ	.003	.003	0	%100 %100
55	G1	PX	.002	.002	0	%100



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Member Distributed Loads (BLC 18: Wind 150 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
56	G1	PZ	.004	.004	0	%100
57	G2	PX	.002	.002	0	%100
58_	G2	PZ	.003	.003	0	%100
59	G3	PX	.002	.002	0	%100
60	G3	PZ	.004	.004	0	%100
61	G 4	PX	.002	.002	0	%100
62	G 4	PZ	.004	.004	0	%100
63	G5	PX	.002	.002	0	%100
64	G5	PZ	.003	.003	0	%100
65	G6	PX	.002	.002	0	%100
66	G6	PZ	.004	.004	0	%100
67	C1	PX	.003	.003	0	%100
68	C1	PZ	.005	.005	0	%100
69	C2	PX	.003	.003	0	%100
70	C2	PZ	.005	.005	0	%100
71	C3	PX	.003	.003	0	%100
72	C3	PΖ	.005	.005	0	%100
73	HRC	PX	.000948	.000948	0	%100
74	HRC	PΖ	.002	.002	0	%100
75	HC	PX	.001	.001	0	%100
76	HC HC	PZ	.002	.002	0	%100
77	HRB	PX	.002	.002	0	%100
78	HRB	PZ	.003	.003	0	%100
79	НВ	PX	.002	.002	0	%100
80	НВ	PZ	.003	.003	0	%100
81	HRA	PX	.002	.002	0	%100
82	HRA	PZ	.003	.003	0	%100
83	HA	PX	.002	.002	0	%100
84	HA	PΖ	.003	.003	0	%100

Member Distributed Loads (BLC 19: Wind 180 Deg - Ice)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
1	PMA1	Z	.003	.003	%50	%100
2	PMA2	Z	.003	.003	%62.5	%100
_ 3	PMA3	Z	.003	.003	0	%9.635
4	PMA3	Z	.003	.003	%40.365	%100
5	PMA4	. Z	.003	.003	%50	%100
_6	PMB1	Z	.004	.004	0	%100
7	PMB2	Z	.004	.004	0	%100
8	PMB3	Z	.004	.004	0	%100
9	PMB4	Z	.004	.004	0	%100
10	PMC1	Z	.004	.004	0	%100
11	PMC2	Z	.004	.004	0	%100
12	PMC3	Z	.004	.004	0	%100
13	PMC4	Z	.004	.004	0	%100
14	<b>S</b> 1	PZ	.004	.004	0	%100
15	\$2	PZ	.005	.005	0	%100
16	\$3	PZ	.005	.005	0	%100
17	<u>\$4</u>	PZ	.006	.006	0	%100
18	S5	PΖ	.004	.004	0	%100
19	S6	PZ	.004	.004	0	%100



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# Member Distributed Loads (BLC 19: Wind 180 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
_20	<u>\$7</u>	PZ	.006	.006	0	%100
_ 21	\$8	PZ	.004	.004	0	%100
22	<u></u>	PZ	.004	.004	0	%100
23	K1	PZ	.003	.003	0	%100
24	K2	PZ	.005	.005	0	%100
25	K3	<u>PZ</u>	.005	.005	0	%100
26	CB1	PZ	.003	.003	0	%100
27	CB2	PZ	.004	.004	0	%100
28	CB3	PZ	.003	.003	0	%100
29	G1	PZ	.004	.004	0	%100
30	G2 .	PZ	.004	.004	0	%100
31	G3	PZ	.005	.005	0	%100
32	G 4	PZ	.004	.004	0	%100
33	<u>G5</u>	PZ	.004	.004	0	%100
34	<u>G6</u>	PZ	.005	.005	0	%100
35	C1	PZ	.005	.005	0	%100
36	C2	PZ	.005	.005	0	%100
37	C3	PZ	.005	.005	0	%100
38	HRC	PZ	.003	.003	0	%100
_39	HC	PZ	.004	.004	0	%100
40	HRB	PZ	.003	.003	0	%100
41	HB	PZ	.004	.004	0	%100
42	HRA	PZ	.003	.003	0	%100
43	HA	PZ	.004	.004	0	%100

# Member Distributed Loads (BLC 20: Wind 210 Deg - Ice)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
1	PMA1	X	002	002	0	%100
2	PMA1	Z	.003	.003	0	%100
3_	PMA2	Χ	002	002	0	%100
4	PMA2	Z	.003	.003	0	%100
5	PMA3	Χ	002	002	0	%100
6	PMA3	Z	.003	.003	0	%100
7	PMA4	X	002	002	0	%100
8	PMA4_	Z	.003	.003	0	%100
9	PMB1	X	002	002	0	%100
10	PMB1	Z	.003	.003	0	%100
11	PMB2	X	002	002	0	%100
12	PMB2	Z	.003	.003	0	%100
13	PMB3	X	002	002	0	%100
14	PMB3	Z	.003	.003	0	%100
15	PMB4	X	002	002	0	%100
16	PMB4	Z	.003	.003	0	%100
17 .	PMC1	X	002	002	0	%100
18	PMC1	Z	.003	.003	0	%100
19	PMC2	X	002	002	0	%100
20	PMC2	Z	.003	.003	0	%100
21	PMC3	X	002	002	0	%100
22	PMC3	Z	.003	.003	0	%100
23	PMC4	Х	002	002	0	%100
24	PMC4	Z	.003	.003	0	%100



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Member Distributed Loads (BLC 20: Wind 210 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude IV/#	End Magnitude[k/ft,F	Stort Location lin %1	End Location[in,%]
25	S1	PX	002	002	0	%100
26	S1	PZ	.004	.004	0	%100 %100
27	\$2	PX	002	002	0	%100 %100
28	S2	PZ	.004	.004	0	%100 %100
29	\$3	PX	002	002	0	%100
30	\$3 \$3	PZ	.004	.004	0	%100 %100
31	 \$4	PX	002	002	0	%100 %100
32	\$4 \$4	PZ	.004	.004	0	%100 %100
33	S5	PX	002	002	0	%100 %100
34	S5	PZ	.004	.004	0	%100 %100
35	\$6	PX	002	002	0	%100 %100
36		PZ	.004	.004	0	%100 %100
37	S7 .	PX	003	003	0	%100 %100
38	S7	PZ	.005		r	
	 \$8			.005	0	%100 %100
39	S6 	PX PZ	002	002	0	%100 %400
40			.004	.004	0	%100 8/400
41	<u>\$9</u>	PX	002	002	0	%100
42	\$9	PZ	.004	.004	0	%100
43	K1	PX	002	002	0	%100
44	<u>K1</u>	PZ	.003	.003	0	%100
45	K2	PX	002	002	0	%100
46	K2	PZ	.003	.003	0	%100
47	K3	PX	002	002	0	%100
48	K3	PZ	.004	.004	0	%100
49	CB1	PX	002	002	0	%100
50	CB1	PZ	.003	.003	0	%100
51	CB2	PX	002	002	0	%100
52	CB2	PZ	.003	.003	0	%100
_53	CB3	PX	002	002	0	%100
54	CB3	PZ	.003	.003	0	%100
_55	G1	PX	002	002	0	%100
56	G1	PZ	.003	.003	0	%100
57	G2	PX	002	002	0	%100
58	G2	PZ	.004	.004	0	%100
59	G3	PX	002	002	0	%100
60	G3	PZ	.004	.004	0	%100
61	G 4	PX	002	002	0	%100
62	G4	PZ	.003	.003	0	%100
63	G 5	PX	002	002	0	%100
64	G 5	PZ	.004	.004	0	%100
65	G 6	PX	002	002	0	%100
66	G6	PZ	.004	.004	0	%100
67	C1	PX	003	003	0	%100
68	C1	PZ	.005	.005	0	%100
69	C2	PX	003	003	0	%100
70	C2	PZ	.005	.005	0	%100
71	C3	PX	003	003	0	%100
72	C3	PZ	.005	.005	0 -	%100
73	HRC	PX	002	002	0	%100
74	HRC	PZ	.003	.003	0	%100
75	HC	PX	002	002	0	%100
76	HC	PZ	.003	.003	0	%100



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Member Distributed Loads (BLC 20: Wind 210 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,.	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
77	HRB	E PX	000948	000948	0	%100
78	HRB	PZ	.002	.002	0	%100
79	HB	PX	001	001	0	%100
80	HB	PZ	.002	.002	0	%100
81	HRA	PX	002	002	0	%100
82	HRA	PZ	.003	.003	0	%100
83	HA HA	PX	002	002	0	%100
84	HA	PZ	.003	.003	0	%100

Member Distributed Loads (BLC 21: Wind 240 Deg - Ice)

	Managara ta bad	Discoult.				
1	Member Label PMA1	Direction		. End Magnitude[k/ft,F		End Location[in,%]
2		X	003	003	0	%100
3	PMA1	Z	.002	.002	0	%100
4	PMA2	X	003	003	0	%100
	PMA2	Z	.002	.002	0	%100
5	PMA3	<u>X</u>	003	003	0	%100
6	PMA3	Z	.002	.002	0	%100
7	PMA4	<u> </u>	003	003	0	%1 <u>00</u>
8	PMA4	Z	.002	.002	0	<u>%100</u>
9	PMB1	Χ	003	003	0	<u></u> %100
10	PMB1	Z	.002	.002	0	%100
11	PMB2	X	003	003	0	%100
12	PMB2	Z	.002	.002	0	%100
13	PMB3	X	003	003	0	%100
14	PMB3	Z	.002	.002	0	%100
15	PMB4	X	003	003	0	%100
16	PMB4	Z	.002	.002	0	%100
17	PMC1	Χ	003	003	%50	%100
18	PMC1	Z	.001	.001	%50	%100
19	PMC2	X	003	003	%62.5	%100
20	PMC2	Z	.001	.001	%62.5	%100
21	PMC3	X	003	003	0	%9.635
22	PMC3	Z	.001	.001	0	%9.635
23	PMC3	<u>X</u>	003	003	%40.365	%100
24	PMC3	Z	.001	.001	%40.365	%100
25	PMC4	X	003	003	%50	%100
26	PMC4	Z	.001	.001	%50	%100
27	S1	PX	005	005	0	%100
28	<b>S</b> 1	PZ	.003	.003	0	%100
29	S2	PX	004	004	0	%100
30	S2	PZ	.002	.002	0	%100
31	\$3	PX	004	004	0	%100
32	S3	PZ	.002	.002	0	%100
33	S4	PX	004	004	0	%100
34	S4	PZ	.002	.002	0	%100
35	\$5	PX	004	004	0	%100
36	S5	PZ	.003	.003	0	%100
37	S6	PX	004	004	0	%100
38	S6	PZ	.003	.003	Ö	%100 %100
39	<b>S</b> 7	PX	005	005	Ö	%100 %100
40	\$7	PZ	.003	.003	- 0	%100 %100



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#### Member Distributed Loads (BLC 21: Wind 240 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
41	S8	PX	004	004	0	%100
42	S8	PZ	.002	.002	0	%100
43	S9	PX	004	004	0	%100
44	S9	PZ	.002	.002	0	%100
45	K1	PX	004	004	0	%100
46	K1	PZ	.002	.002	0	%100
47	K2	PX	003	003	. 0	%100
48	K2	PZ	.002	.002	0	%100
49	K3	PX	004	004	0	%100
50	K3	PZ	.002	.002	0	%100
51	CB1	PX	003	003	0	%100
52	CB1	PZ	.002	.002	0	%100
53	CB2	PX	003	003	0	%100
54	CB2	PZ	.002	.002	0	%100
55	CB3	PX	003	003	0	%100
56	CB3	PZ	.002	.002	0	%100
57	G1	PX	003	003	0	%100
58	G1	PZ	.002	.002	Ō	%100
59	G2	PX	004	004	0	%100
60	G2	PZ	.003	.003	0	%100
61	G3	PX	003	003	0	%100
62	G3	PZ	.002	.002	0	%100
63	G4	PX	003	003	0	%100
64	G4	PZ	.002	.002	0	%100
65	G5	PX	004	004	0	%100
66	G5	PZ	.003	.003	0	%100
67	G6	PX	003	003	0	%100
68	G6	PZ	.002	.002	Ö	%100 %100
69	C1	PX	005	005	0	%100
70	C1	PZ	.003	.003	0 .	%100 %100
71	C2	PX	005	005	. 0	%100
72	C2	PZ	.003	.003	0	%100
73	C3	PX	005	005	0	%100 %100
74	C3	PZ	.003	.003	0	%100 %100
75	HRC	PX	003	003	o i	%100
76	HRC	PZ	.002	.002	0	%100 %100
77	HC	PX	003	003	0	%100 %100
78	HC	PZ	.002	.002	0	%100 %100
79	HRB	PX	003	003	0	%100 %100
80	HRB	PZ	.002	.002	0	%100 %100
81	HB	PX	003	003	0	%100 %100
82	HB	PZ	.002	.002	0	%100 %100
83	HRA	PX	003	003	0	%100 %100
84	HRA	PZ	.002	.002	0	%100 %100
85	HA	PX	003	003	0	%100 %100
86	HA	PZ	.003	.002	0	%100 %100
OU	ПН	12	.002	.002	U	76 100

#### Member Distributed Loads (BLC 22: Wind 270 Deg - Ice)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
11	PMA1	X	004	004	0	%100
2	PMA2	X	004	004	0	%100



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Job Number : PR-001915

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#### Member Distributed Loads (BLC 22: Wind 270 Deg - Ice) (Continued)

	Member Label	Direction		. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
3	PMA3	X	004	004	0	%100
4	PMA4	X	004	004	0	%100
5	PMB1	X	004	004	0	%100
6	PMB2	X	004	004	0	%100
7	PMB3	X	004	004	0	%100
8	PMB4	X	004	004	0	%100
9	PMC1	Χ	004	004	0	%100
10	PMC2	X	004	004	0	%100
11	PMC3	X	004	004	0	%100
12	PMC4	X	004	004	0	%100
13	S1	PX	006	006	0	%100
14	S2	PX	004	004	0	%100
15	\$3	PX	004	004	0	%100
16	S4	PX	005	005	0	%100
17	<b>\$</b> 5	PX	005	005	0	%100
18	S6	PX	005	005	0	%100
19	S7	PX	005	005	0	%100
20	S8	PX	005	005	0	%100
21	S9	PX	005	005	0	%100
22	K1	PX	005	005	0	%100
23	K2	PX	004	004	0	%100
24	K3	PX	004	004	0	%100
25	CB1	PX	004	004	0	%100
26	CB2	PX	003	003	0	%100
27	CB3	PX	004	004	0	%100
. 28	G1	PX	005	005	0 .	%100
29	G2	PX	005	005	0	%100
30	G3	PX	003	003	0	%100
31	G4	PX	005	005	0	%100
32	G5	PX	005	005	0	%100
33	G6	PX	003	003	0	%100
34	C1	PX	005	005	. 0	%100
35	C2	PX	005	005	0	%100
36	C3	PX	005	005	0	%100
37	HRC	PX	003	003	0	%100
38	HC	PX	004	004	0	%100
39	HRB	PX	003	003	0	%100
40	НВ	PX	004	004	0	%100
41	HRA	PX	002	002	0	%100
42	HA	PX	002	002	0	%100

#### Member Distributed Loads (BLC 23: Wind 300 Deg - Ice)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
_1	PMA1	X	003	003	0	%100
2	PMA1	Z	002	002	0	%100
3	PMA2	Х	003	003	0	%100
4	PMA2	Z	002	002	0	%100
5	PMA3	Χ	003	003	0	%100
6	PMA3	Z	002	002	0	%100
7	PMA4	X	003	003	0	%100
8	PMA4	Z	002	002	0	%100



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# Member Distributed Loads (BLC 23: Wind 300 Deg - Ice) (Continued)

		5		, 100) (0 0))		
	Member Label	Direction		End Magnitude[k/ft,F		End Location[in,%]
9	PMB1	<u> </u>	003	003	%50	%100
10	PMB1	Z	001	001	%50	%100
11	PMB2	X	003	003	%62.5	%100
12	PMB2	Z	001	001	%62.5	%100
13	PMB3	X	003	003	0	%9.635
14	PMB3	Z	001	001	0	<u>%9.635</u>
15	PMB3	X	003	003	%40.365	%100
16	PMB3	Z	001	001	%40.365	%100
17	<u>P</u> MB4	X	003	003	%50	%100
18	PMB4	Z	001	001	%50	%100
19	PMC1	X	003	003	0	%100
20	PMC1	Z	002	002	0	%100
21	PMC2	X	003	003	0	%100
22	PMC2	Z	002	002	0	%100
23	PMC3	Χ	003	003	0	%100
24	PMC3	Z	002	002	ő	%100
25	PMC4	X	003	003	0	%100 %100
26	PMC4	Z	002	002	0	%100 %100
27	S1	PX	005	005	0	%100 %100
28	S1	PZ	003	003	0	%100 %100
29	S2	PX	004	004	0	
30	S2	PZ	002	004		<u>%100</u>
31	\$3	PX	002		0	<u>%100</u>
32	S3	PZ	004	004	0	%100
33		PX		002	0	%100
34	<u>54</u> S4		005	005	0	%100
35		PZ	003	003	0	%100
	<u>\$5</u>	PX	004	004	0	<u>%100</u>
36	S5	PZ	002	002	0	%100
37	<u>\$6</u>	PX	004	004	0	%100
38	S6	PZ	002	002	0	<u>%100</u>
39	<u>\$7</u>	PX	004_	004	0	%100
40	<u>\$7</u>	PZ	002	002	0	%100
41	\$8	PX	004	004	0	%100
42	<u>\$8</u>	PZ	003	003	0	%100
43	<u>\$</u> 9	PX	004	004	0	%100
44	<u>89</u>	PZ	003	003	0	%100
_45	K1	PX	004	004	0	%100
46	<u>K1</u>	PZ	002	002	0	%100
47	K2	PX	004	004	0	%100
48	K2	PZ	002	002	0	%100
49	K3	PX	003	003	0	%100
50	K3	PZ	002	002	0	%100
51	CB1	PX	003	003	0	%100
52	CB1	PZ	002	002	0	%100
53	CB2	PX	003	003	0	<del>%100</del>
54	CB2	PZ	002	002	o l	%100 %100
55	CB3	PX	003	003	0	%100 %100
56	CB3	PZ	002	002	0	%100 %100
57	G1	PX	004	004	0	%100 %100
58	G1	PZ	003	003	0	%100 %100
59	G2	PX	003	003	0	%100 %100
60	G2	PZ	002			
	94	F <b>Z</b>	-,002	002	0	%100



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: DDC

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# Member Distributed Loads (BLC 23: Wind 300 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
61	<u>G3</u>	PX	003	003	0	%100
62	G 3	PZ	002	002	0	%100
63	G 4	PX	004	004	0	%100
64	G4	PZ	003	003	0	%100
65	<u>G</u> 5	PX	003	003	0	%100
66	G 5	PZ	002	002	0	%100
67	G6	PX	003	003	0	%100
68	G6	PZ	002	002	0	%100
69	C1	PX	005	005	0	%100
70	C1	PZ	003	003	0	%100
71	C2	PX	005	005	0	%100
72	C2	PZ	003	003	0	%100
73	C3	PΧ	005	005	0	%100
74	C3	PZ	003	003	0	%100
75	HRC	PX	003	003	0	%100
76	HRC	PZ	002	002	0	%100
77	HC	PX	003	003	0	%100
78	HC	PZ	002	002	0	%100
79	HRB	PX	003	003	0	%100
80	HRB	PZ	002	002	0	%100
81	HB	PX	003	003	0	%100
82	HB	PZ	002	002	0	%100
83	HRA	PX	003	003	0	%100
84	HRA	PZ	002	002	0	%100
85	HA	PX	003	003	0	%100
86	HA HA	PZ	002	002	0	%100

### Member Distributed Loads (BLC 24: Wind 330 Deg - Ice)

-	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
1	PMA1	_ X	002	002	0	%100
2	PMA1	Z	003	003	0	%100
3	PMA2	Χ	002	002	0	%100
4	PMA2	Z	003	003	0	%100
5	PMA3	X	002	002	0	%100
6	PMA3	Z	003	003	0	%100
_ 7	PMA4	X	002	002	0	%100
8	PMA4	Z	003	003	0	%100
9	PMB1	X	002	002	0	%100
10	PMB1	Z	003	003	0	%100
11	PMB2	X	002	002	0	%100
12	PMB2	Z	003	003	0	%100
_13	PMB3	X	002	002	0	%100
_14	PMB3	Z	003	003	0	%100
15	PMB4	Х	002	002	0	%100
16	PMB4	Z	003	003	0	%100
17	PMC1	X	002	002	0	%100
18	PMC1	Z	003	003	0	%100
19	PMC2	X	002	002	0	%100
20	PMC2	Z	003	003	0	%100
21	PMC3	X	002	002	0	%100
22	PMC3	Z	003	003	0	%100



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# Member Distributed Loads (BLC 24 : Wind 330 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude FL/A			F 11 # F 0/5
23	PMC4	Direction X		End Magnitude[k/ft,F		End Location[in,%]
24	PMC4	Z	002	002	0	%100
25	S1	PX	003 002	003	0	%100
26	\$1	PZ	002	002	0	%100
27	S2	PX		004	0	%100
28	\$2 \$2	PZ	002	002	0	%100
29	S3	PX	004	004	0	%100
30	<u></u> \$3	PZ	002	002	0	%100
31	 S4	PX	004	004	0	%100
32	<u>54</u> \$4	PZ	003	003	0	%100
33	\$5	PX	005	005	0	%100
34	<u>55</u> \$5	PZ	002	002	0	%100
35			004	004	0	%100
36	<u>\$6</u> \$6	PX	002	002	0	%100
37	 \$7	PZ	004	004	0	%100
	S7	PX	002	002	0	<u>%100</u>
38		PZ	004	004	0	<u>%100</u>
39 40	<u>\$8</u>	PX	002	002	0	%100
	<u>\$8</u>	PZ	004	004	0	%100
41	<u>\$9</u>	PX	002	002	0	%100
42	<u>\$9</u>	PZ	004	004	0	%100
43	<u>K1</u>	PX	002	002	0	%100_
44	K1	PZ	003	003	0	%100
45	K2	PX	002	002	0	%100
46	K2	PZ	- 004	004	0	<u>%100</u>
47	K3	PX	002	002	0	%100
48	K3	PZ	003	003	0	%100
49	<u>CB1</u>	PX	002	002	0	%100
50	CB1	PZ	003	003	0	%100
51	CB2	PX	002	002	0	%100
52	CB2	PZ	003	003	0	%100
53	CB3	PX	002	002	0	%100
54	CB3	PZ_	003	003	0	<u>%100</u>
55	<u>G1</u>	PX	002	002	0	%100
56	G1	PZ	004	004	0	%100
57	G2	PX	002	002	0	%100
58	G2	PZ	003	003	0	<u>%100</u>
59	<u>G3</u>	PX	002	002	0	%100
60	G3	PZ	004	004	0	%100
61	G 4	PX	002	002	0	%100
62	G4	PZ	004	004	0	%100
63	G 5	PX	002	002	0	%100
64	G5	PZ	003	003	0	%100
65	G6	PX	002	002	0	%100
66	G 6	PZ	004	004	0	%100
67	C1	PX	003	003	0	%100
68	C1	PZ	005	005	0	%100
69	C2	PX	003	003	0	%100
70	C2	PZ	005	005	0	%100_
71	C3	PX	003	003	0	%100
72	C3	PZ	005	005	0	%100
73	HRC	PX	000948	000948	0	%100
74	HRC	PZ	002	002	0	%100



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#### Member Distributed Loads (BLC 24: Wind 330 Deg - Ice) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
75	HC HC	PX	001	001	0	%100
76	HCHC	PZ	002	002	0	%100
77	HRB	PX	002	002	0	%100
78	HRB	PZ	003	003	0	%100
79	HB	PX	002	002	0	%100
80	HB	PZ	003	003	0	%100
81	HRA	PX	002	002	0	%100
82	HRA	PZ	003	003	0	%100
83	HA	PX	002	002	0	%100
84	HA	PZ	003	003	0	%100

# Member Distributed Loads (BLC 25: Wind O Deg - Maintenance)

	Member Labei	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
1	PMA1	<u> Z</u>	000485	000485	%50	%100
2	PMA2	Z	000485	000485	%62.5	%100
3	PMA3	Z	000485	000485	0	%9.635
4	PMA3	Z	000485	000485	%40.365	%100
5	PMA4	<u> Z</u>	000485	000485	%50	%100
6	PMB1	Z	000582	000582	0	%100
7	PMB2	Z	000582	000582	0	%100
8	PMB3	Z	000582	000582	0	%100
9	PMB4	Z	000582	000582	0	%100
10	PMC1	Z	000582	000582	0	%100
11	PMC2	Z	000582	000582	0	%100
12	PMC3	Z	000582	000582	0	%100
13	PMC4	Z	000582	000582	0	%100
14	S1	PZ	00081	00081	0	%100
15	\$2	PZ	000983	000983	0	%100
16	S3	PZ	000983	000983	0	%100
17	S4	PZ	001	001	0	%100
18	S5	PZ	000865	000865	0	%100
19	S6	PZ	000865	000865	0	%100
20	S7	PZ	001	001	0	%100
21	S8	PZ	000865	000865	0	%100
22	S9	PZ	000865	000865	0	%100
23	K1	PZ	000507	000507	0	%100
24	K2	PΖ	000702	000702	0	%100
25	K3	PZ	000702	000702	0	%100
26	CB1	PZ	000527	000527	0	%100
27	CB2	PZ	000594	000594	0	%100
28	CB3	PZ_	000527	000527	0	%100
29	G1	PZ	000537	000537	0	%100
30	G2	PZ	000537	000537	0	%100
31	G 3	PΖ	000675	000675	0	%100
32	G 4	PZ	000538	000538	0	%100
33	G5	PZ	000538	000538	0	%100
34	G6	PZ	000675	000675	0	%100
35	C1	PZ	001	001	0	%100
36	C2	PΖ	001	001	0	%100
_37	C3	PZ	001	001	0	%100
38	HRC	PZ	000481	000481	0	%100



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Member Distributed Loads (BLC 25: Wind 0 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,.	End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
39	HC	PZ	000662	000662	0	%100
40	HRB	PZ	000481	000481	0	%100
41	HB	PZ	000662	000662	0	%100
42	_HRA	PZ	000481	000481	0	%100
43	HA	PZ	000709	000709	0	%100

Member Distributed Loads (BLC 26: Wind 30 Deg - Maintenance)

	Member Label	Direction	Start Magnitude [k/ft	End Magnitude[k/ft,F	Start Location (in. %)	End Location[in,%]
1	PMA1	X	.000291	.000291	0	%100
2	PMA1	Z	000504	000504	Ō	%100
3	PMA2	X	.000291	.000291	0	%100
4	PMA2	Z	000504	000504	0	%100
5	PMA3	X	.000291	.000291	0	%100
6	PMA3	Z	000504	000504	0	%100
7	PMA4	Х	.000291	.000291	0	%100
8	PMA4	Z	000504	000504	0	%100
9	PMB1	, X	.000291	.000291	0	%100
10	PMB1	Z	000504	000504	0	%100
11	PMB2	Χ	.000291	.000291	0	%100
12	PMB2	Z	000504	000504	0	%100
13	PMB3	X	.000291	.000291	0	%100
14	PMB3	Z	000504	000504	0	%100
15	PMB4	Χ	.000291	.000291	0	%100
16	PMB4	Z	000504	000504	0	%100
17	PMC1	Χ	.000291	.000291	0	%100
18	PMC1	Z	000504	000504	0	%100
19	PMC2	X	.000291	.000291	0	%100
20	PMC2	Z	000504	000504	0	%100
21	PMC3	Χ	.000291	.000291	.0	%100
22	PMC3	Z	000504	000504	0	%100
23	PMC4	X	.000291	.000291	0	%100
24	PMC4	Z	000504	000504	0	%100
25	<u> </u>	PX	.000482	.000482	0	%100
26	\$1	PZ	000835	000835	0	%100
27	\$2	PX	.000478	.000478	0	%100
28	S2	PZ	000829	000829	0	%100
29	S3	PX	.000478	.000478	0	%100
30	S3	PZ	000829	000829	0	%100
31	S4	PX	.000482	.000482	0	%100
32	S4	PΖ	000835	000835	. 0	%100
33	<b>\$</b> 5	PX	.000478	.000478	0	%100
34	<b>\$</b> 5	PZ	000829	000829	0	%100
35	S6	PX	.000478	.000478	0	%100
36	S6	PZ	000829	000829	0	%100
37	S7	PX	.00057	.00057	0	%100
38	S7	PZ	000987	000987	0	%100
39	\$8	PX	.000405	.000405	0	%100
40	S8	PZ	000702	000702	0	%100
41	S9	PX	.000405	.000405	0	%100
42	S9	PΖ	000702	000702	0	%100
43	K1	PX	.000307	.000307	0	%100



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#### Member Distributed Loads (BLC 26: Wind 30 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
44	K1	PZ	000531	000531	0	%100
45	K2	PX	.000307	.000307	0	%10 <u>0</u>
46	K2	PZ	000531	000531	0	%100
47	K3	PX	.000367	.000367	0	%100
48	K3	PZ	000636	000636	0	%100
49	CB1	PX	.000288	.000288	0	%100
50	CB1	PZ	0005	0005	0	%100
51	CB2	PX	.000288	.000288	0	%100
52	CB2	PZ	0005	0005	0	%100
53	CB3	PX	.000253	.000253	0	%100
54	CB3	PZ	000439	000439	0	%100
55	G 1	PX	.000203	.000203	0	%100
56	G 1	PZ	000351	000351	0	%100
57	G2	PX	.000321	.000321	0	%100
58	G 2	PZ	000556	000556	0	%100
59	G3	PX	.000321	.000321	0	%100
60	G3	PZ	000557	000557	0	%100
61	G4	PX	.000203	.000203	0	%100
62	G4	PZ	000351	000351	0	%100
63	G 5	PX	.000321	.000321	0	%100
64	G 5	PZ	000557	000557	0	%100
65	G 6	PX	.000321	.000321	0	%100
66	G6	PZ	000557	000557	0	%100
67	C1	PX	.000611	.000611	0	%100
68	C1	PZ	001	001	0	%100
69	C2	PX	.000611	.000611	0	%100
70	C2	PZ	001	001	0	%100
71	C3	PX	.000608	.000608	0	%100
72	С3	PZ	001	001	0	%100
73	HRC	PX	.000241	.000241	0	%100
74	HRC	PZ	000417	000417	0	%100
75	HC	PX	.000355	.000355	0	%100
76	HC	PZ	000614	000614	0	%100
77	HRB	PX	.00014	.00014	0	%100
78	HRB	PZ	000243	000243	0	%100
79	НВ	PX	.000207	.000207	0	%100
80	НВ	PZ	000358	000358	0	%100
81	HRA	PX	.000241	.000241	0	%100
82	HRA	PZ	000417	000417	0	%100
83	HA	PX	.000355	.000355	0	%100
84	HA	PZ	000614	000614	0	%100

### Member Distributed Loads (BLC 27: Wind 60 Deg - Maintenance)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
1	PMA1	Χ	.000504	.000504	0	%100
2	PMA1	Z	000291	000291	0	%100
3	PMA2	Х	.000504	.000504	0	%100
4	PMA2	Z ·	000291	000291	0	%100
5	PMA3	X	.000504	.000504	0	%100
6	PMA3	Z	000291	000291	0	%100
7	PMA4	X	.000504	.000504	0	%100



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# Member Distributed Loads (BLC 27: Wind 60 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
8	PMA4	Z	000291	000291	0	%100
9	PMB1	X	.000504	.000504	0	%100
10	PMB1	Z	000291	000291	0	%100
11	<u>P</u> MB2	X	.000504	.000504	0	%100
12	PMB2	Z	000291	000291	0	%100
13	PMB3	X	.000504	.000504	0	%100
14	PMB3	Z	000291	000291	0	%100
15	PMB4	Χ	.000504	.000504	0	%100
16	PMB4	Z	000291	000291	0	%100
17	PMC1	X	.00042	.00042	%50	%100
18	PMC1	Z	000243	000243	%50	%100
19	PMC2	X	.00042	.00042	%62.5	%100
20	PMC2	Z	000243	000243	%62.5	%100
21	PMC3	X	.00042	.00042	0	%9.635
22	PMC3	· Z	000243	000243	0	%9.635
23	PMC3	X	.00042	.00042	%40.365	%100
24	PMC3	Z	000243	000243	%40.365	%100
25	PMC4	X	.00042	.00042	%50	%100 %100
26	PMC4	Z	000243	000243	%50	%100
27	<b>S</b> 1	PX	.000946	.000946	0	%100
28	S1	PZ	- 000546	000546	0	%100 %100
29	\$2	PX	.000749	.000749	0	%100 %100
30	S2	PZ	000433	000433	0	%100 %100
31	S3	PX	.000749	.000749	0	%100 %100
32	\$3	PZ	000433	000433	0	%100 %100
33	\$4	PX	.000702	.000702	0	%100 %100
34	S4	PZ	000405	000405	0	%100 %100
35	\$5	PX	.000851	.000851	0	%100 %100
36	S5	PZ	000491	000491	0	%100 %100
37	\$6	PX	.000851	.000851	0	%100 %100
38	S6	PZ	000491	000491	0	%100 %100
39	S7	PX	.000946	.000946	0	%100 %100
40	S7	PZ	000546	000546	0	%100 %100
41	\$8	PX	.000749	.000749	0	%100 %100
42	S8	PZ	000433	000433	0	%100 %100
43	S9	PX	.000749	.000749	0	%100 %100
44	\$9	PZ	000433	000433	0	%100 %100
45	K1	PX	.000608	.000433	0	%100 %100
46	K1	PZ	000351	000351	0	%100 %100
47	K2	PX	.000439	.000331	0	%100 %100
48	K2	PZ	000253	000253	0	%100 %100
49	K3	PX	.000608	.000233	0	%100 %100
50	K3	PZ	000351	000351	0	%100 %100
51	CB1	PX	.000515	.000515	0	%100 %100
52	CB1	PZ	000297	000297	0	%100 %100
53	CB2	PX	.000257	.000297	0	%100 %100
54	CB2	PZ	000264	000264	0	%100 %100
55	CB3	PX	.000204	.000204	0	%100 %100
56	CB3	PZ	000264	000264	0	%100_ %100
57	G1	PX	.000264	.000466	0	%100 %100
58	G1	PZ	000269	000269	0	%100 %100
59	G2	PX	.000209	.000585	0	
	<u> </u>	ΙΛ	.00000	.00000		<u>%100</u>



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#### Member Distributed Loads (BLC 27: Wind 60 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
60	G2	PZ	000338	000338	0	%100
61	G3	PX	.000466	.000466	0	%100
62	G3	PZ	000269	000269	0	%100
63	G4	PX	.000465	.000465	0	%100
64	G4	PZ	000269	000269	0	%100
65	G5	PX	.000585	.000585	0	%100
66	G5	PZ	000338	000338	0	%100
67	G6	PX	.000466	.000466	0	%100
68	G6	PZ	000269	000269	0	%100
69	<u>C1</u>	PX	.001	.001	0	%100
70	C1	PZ	000608	000608	0	%100
71	C2	PΧ	.001	.001	0	%100
72	C2	PZ	00062	00062	0	%100
73	C3	PX	.001	.001	0	%100
74	C3	PZ	000608	000608	0	%100
75	HRC	PX	.000417	.000417	0	%100
76	HRC	PZ	000241	000241	0	%100
77	HC	PX	.000614	.000614	0	%100
78	HC	PZ	000355	000355	0	%100
79	HRB	PX	.000417	.000417	0	%100
80	HRB	PZ	000241	000241	0	%100
81	HB	PX	.000574	.000574	0	%100
82	HB	PZ	000331	000331	0	%100
83	HRA	PX	.000417	.000417	0	%100
84	HRA	PZ	000241	000241	0	%100
85	HA	PX	.000574	.000574	0	%100
86	HA	PZ	000331	000331	0	%100

#### Member Distributed Loads (BLC 28: Wind 90 Deg - Maintenance)

	Member Label	Direction	Start Magnifude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
1	<u> </u>	Χ	.000582	.000582	0	%100
2	PMA2	Х	.000582	.000582	0	%100
_3	PMA3	X .	.000582	.000582	0	%100
_4	PMA4	X	.000582	.000582	0	%100
5	PMB1	X	.000582	.000582	0	%100
6	PMB2	X	.000582	.000582	0	%100
7	PMB3	X	.000582	.000582	0	%100
8	PMB4	X	.000582	.000582	0	%100
9	PMC1	X	.000582	.000582	0	%100
10	PMC2	X	.000582	.000582	0	%100
11	PMC3	X	.000582	.000582	0	%100
12	PMC4	Х	.000582	.000582	0	%100
13	\$1	PX	.001	.001	0	%100
14	\$2	PX	.00081	.00081	0	%100
15	\$3	PX	.00081	.00081	0	%100
16	S4	PX	.000964	.000964	0	%100
17	S5	PX	.000957	.000957	0	%100
18	\$6	PX	.000957	.000957	0	%100
19	S7	PX	.000964	.000964	0	%100
20	\$8	PX	.000957	.000957	0	%100
21	\$9	PX	.000957	.000957	0	%100



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Job Number : PR-001915

: 806454-NHV 112 948129

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### Member Distributed Loads (BLC 28: Wind 90 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
. 22	<u>K1</u>	PX	.000734	.000734	0	%100
23	K2	PX	.000613	.000613	0	%100
24	K3	PX	.000613	.000613	0	%100
25	CB1	PX	.000577	.000577	0	%100
26	CB2	PX	.000507	.000507	0	%100
27	CB3	PX	.000577	.000577	0	%100
28	G1	PX	.000643	.000643	0	%100
29	G2	PX	.000643	.000643	0	%100
30	G3	PX	.000405	.000405	0	%100
31	G 4	PX	.000643	.000643	0	%100
32	G5	PX	.000643	.000643	0	%100
33	G6	PX	.000405	.000405	0	%100
34	<u>C1</u>	PX	.001	.001	0	%100
35	C2	PX	.001	.001	0	%100
36	<u>C3</u>	PX	.001	.001	0	%100
. 37	HRC	PX	.000481	.000481	0	%100
38	HC HC	PX	.000709	.000709	0	%100
39	HRB	PX	.000481	.000481	0	%100
40	НВ	PX	.000709	.000709	0	%100
41	HRA	PX	.000281	.000281	0	%100
42	HA	PX	.000414	.000414	0	%100

# Member Distributed Loads (BLC 29 : Wind 120 Deg - Maintenance)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
1	<u>PM</u> A1	X	.000504	.000504	0	%100
2	PMA1	Z	.000291	.000291	0	%100
3	PMA2	X	.000504	.000504	0	%100
4	PMA2	Z	.000291	.000291	0	%100
5	PMA3	Х	.000504	.000504	0	%100
6	PMA3	Z	.000291	.000291	0	%100
7	PMA4	. X	.000504	.000504	0	<del>%</del> 100
- 8	PMA4	Z	.000291	.000291	0	%100
9	PMB1	X	.00042	.00042	%50	%100
10	PMB1	Z	.000243	.000243	%50	%100
_11	PMB2	' X	.00042	.00042	%62.5	%100
12	PMB2	Z	.000243	.000243	%62.5	%100
13	PMB3	X	.00042	.00042	0	%9.635
14	PMB3	Z	.000243	.000243	0	%9.635
15	PMB3	Χ	.00042	.00042	%40.365	%100
16	PMB3	Z	.000243	.000243	%40.365	%100
17	PMB4	X	.00042	.00042	%50	%100
18	PMB4	Z	.000243	.000243	%50	%100
19	PMC1	Χ	.000504	.000504	0	%100
_20	PMC1	Z	.000291	.000291	0	%100
21	PMC2	Х	.000504	.000504	0	%100
22	PMC2	Z	.000291	.000291	0	%100
23	PMC3	X	.000504	.000504	0	%100
24	PMC3	Z	.000291	.000291	0	%100
25	PMC4	X	.000504	.000504	0	%100
26	PMC4	Z	.000291	.000291	0	%100
27	<b>S1</b>	PX	.000946	.000946	0	%100



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### Member Distributed Loads (BLC 29: Wind 120 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft	End Magnitude[k/ft,F	. Start Location lin.%1	End Location[in,%]
28	S1	PZ	.000546	.000546	0	%100
29	\$2	PX	.000749	.000749	0	%100
30	\$2	PZ	.000433	.000433	0	%100
31	\$3	PX	.000749	.000749	0	%100
32	\$3	PZ	.000433	.000433	0	%100
33	\$4	PX	.000946	.000946	0	%100
34	\$4	PZ	.000546	.000546	0	%100
35	<b>S</b> 5	PX	.000749	.000749	0	%100 %100
36	<b>S</b> 5	PZ	.000433	.000433	0	%100
37	S6	PX	.000749	.000749	0	%100 %100
38	\$6	PZ	.000433	.000433	0	%100
39	S7	PX	.000702	.000702	0	%100 %100
40	87	PZ	.000405	.000405	0	%100 %100
41	\$8	PX	.000851	.000851	0	%100 %100
42	\$8	PZ	.000491	.000491	Ö	%100
43	\$9	PX	.000851	.000451	0	%100 %100
44	S9	PZ	.000491	.000491	0	%100 %100
45	K1	PX	.000608	.000608	0	%100 %100
46	K1	PZ	.000351	.000351	0	%100 %100
47	K2	PX	.000608	.000608	0	%100 %100
48	K2	PZ	.000351	.000351	0	%100 %100
49	K3	PX	.000439	.000331	0	%100 %100
50	K3	PZ	.000253	.000453	0	%100 %100
51	CB1	PX	.000253	.000253	0	%100 %100
52	CB1	PZ	.000264	.000264	0	%100 %100
53	CB2	PX	.000204	.000204	0	%100 %100
54	CB2	PZ	.000457	.000457	0	%100 %100
55	CB3	PX	.000515	.000204	0	%100 %100
56	CB3	PZ	.000313	.000297	0	%100 %100
57	G1	PX	.000297	.000297	0	%100 %100
58	G1	PZ	.000338	.000338	0	%100 %100
59	G2	PX	.000336	.000338	0	%100 %100
60	G2	PZ	.000269	.000269	0	%100 %100
61	G3	PX	.000209	.000269	0	%100 %100
62	G3	PZ	.000269	.000269	0	%100 %100
63	G4	PX	.000585	.000289	0	%100 %100
64	G4	PZ	.000338	.000338	0	%100 %100
65	G5	PX	.000350	.000336	0	%100 %100
66	G5	PZ	.000269	.000465	0	%100 %100
67	G6	PX	.000269	.000269	0	
68	G6	PZ	.000269	.000269	0	%100 %100
69	C1	PX	.000209	.000269	0	%100 %100
70	C1	PZ	.000608	.000608	0	%100 %100
71	C2	PX	.001	.001	0	%100 %100
72	C2	PZ	.000608	.000608	0	%100 %100
73	C3	PX	.000	.001	0	%100 %100
74	C3	PZ	.00062	.00062	0	%100 %100
75	HRC	PX	.00062	.00062	0	
76	HRC	PZ	.000241	.000241	0	%100 %100
77	HC	PX		· · · · · · · · · · · · · · · · · · ·		%100 %100
78	HC	PZ	.000574 .000331	.000574	0	%100 %100
79	HRB	PX	.000331		0	%100 %100
ַ פו	ITED	ΓΛ	.000417	.000417	0	%100



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Member Distributed Loads (BLC 29: Wind 120 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,.	End Magnitude[k/ft,F	. Start Location [in, %]	End Location[in,%]
80	HRB	PZ	.000241	.000241	0	%100
81	НВ	PX	.000614	.000614	0	%100
82	HB	PZ	.000355	.000355	0	%100
83	HRA	PX	.000417	.000417	0	%100
84	HRA	PZ	.000241	.000241	0	%100
85	HA	PX	.000574	.000574	0	%100
86	HA	PZ	.000331	.000331	0	%100

Member Distributed Loads (BLC 30 : Wind 150 Deg - Maintenance)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
1	PMA1	X	.000291	.000291	0	%100
2	PMA1	Z	.000504	.000504	0	%100
3	PMA2	X	.000291	.000291	0	%100
4	PMA2	Z	.000504	.000504	0	%100
5	PMA3	X	.000291	.000291	0	%100
6	PMA3_	Z	.000504	.000504	0	%100
7	PMA4	X	.000291	.000291	0	%100
8	PMA4	Z	.000504	.000504	0	%100
9	PMB1	Χ	.000291	.000291	0	%100
10	PMB1	Z	.000504	.000504	0	%100
11	PMB2	Χ	.000291	.000291	0	%100
12	PMB2	Z	.000504	.000504	0	%100
13	PMB3	X	.000291	.000291	0	%100
14	PMB3	Z	.000504	.000504	0	%100
15	PMB4	X	.000291	.000291	0	%100
16	PMB4	Z	.000504	.000504	0	%100
17	PMC1	X	.000291	.000291	0	%100
18	PMC1	Z	.000504	.000504	0	%100
19	PMC2	Х	.000291	.000291	0	%100
20	PMC2	Z	.000504	.000504	0	%100
21	PMC3	Х	.000291	.000291	0	%100
22	PMC3	Z	.000504	.000504	0	%100
23	PMC4	Χ	.000291	.000291	0	%100
24	PMC4	Z	.000504	.000504	0	%100
25	\$1	PX	.000482	.000482	0	%100
26	\$1	PZ	.000835	.000835	0	%100
27	\$2	PX	.000478	.000478	0	%100
28	\$2	PΖ	.000829	.000829	0	%100
29	S3	PX	.000478	.000478	0	%100
30	\$3	PZ	.000829	.000829	0	%100
31	S4	PX	.00057	.00057	0	%100
32	_S4	PΖ	.000987	.000987	0	%100
33	S5	PX	.000405	.000405	0	%100
34	S5	PZ	.000702	.000702	0	%100
35	S <u>6</u>	PX	.000405	.000405	0	%100
36	\$6	PZ	.000702	.000702	0	%100
37	S7	PX	.000482	.000482	. 0	%100
38	S7	PZ	.000835	.000835	0	%100
39	\$8	PX	.000478	.000478	0	%100
40	\$8	PZ	.000829	.000829	0	%100
41	S9	PX	.000478	.000478	0	%100



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Member Distributed Loads (BLC 30 : Wind 150 Deg - Maintenance) (Continued)

member Distributed Louds (DLO 00 : White 100 Deg - manifestance) to offended)								
	Member Label	Direction	S tart Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]_		
42	\$9	PZ	.000829	.000829	0	%100		
43	K1	PX	.000307	.000307	0	%100		
44	K1	PZ	.000531	.000531	0	%100		
45	K2	PX	.000367	.000367	0	%100		
46	K2	PZ	.000636	.000636	0	%100		
47	K3	PX	.000307	.000307	0	%100		
48	K3	PZ	.000531	.000531	0	%100		
49	CB1	PX	.000253	.000253	0	%100		
50	CB1	PZ	.000439	.000439	0	%100		
51	CB2	PX	.000288	.000288	0	%100		
52	CB2	PZ	.0005	.0005	0	%100		
53	CB3	PX	.000288	.000288	0	%100		
54	CB3	PZ	.0005	.0005	0	%100		
55	G1	PX	.000321	.000321	. 0	%100		
56	G1	PZ	.000556	.000556	0	%100		
57	G2	PX	.000203	.000203	0	%100		
58	G2	PZ	.000351	.000351	0	%100		
59	G3	PX	.000321	.000321	0	%100		
60	G3	PZ	.000557	.000557	0	%100		
61	G4	PX	.000321	.000321	. 0	%100		
62	G4	PZ	.000557	.000557	0	%100		
63	G5	PX	.000203	.000203	0	%100		
64	G5	PZ	.000351	.000351	0	%100		
65	G6	PX	.000321	.000321	0	%100		
66	G6 .	PZ	.000557	.000557	0	%100		
67	C1	PX	.000611	.000611	0	%100		
. 68	C1	PZ	.001	.001	0	%100		
69	C2	PX	.000608	.000608	0	%100		
70	C2	PZ	.001	.001	0	%100		
71	C3	PX	.000611	.000611	0	%100		
72	C3	PZ	.001	.001	0	%100		
73	HRC	PX	.00014	.00014	0	%100		
74	HRC	PZ	.000243	.000243	0	%100		
75	HC	PX	.000207	.000207	0	%100		
76	HC	PZ	.000358	.000358	0	%100		
77	HRB	PX	.000241	.000241	0	%100		
78	HRB	PZ	.000417	.000417	0	%100		
79	HB	PX	.000355	.000355	0	%100		
80	НВ	PZ	.000614	.000614	0	%100		
_81	HRA	PX	.000241	.000241	0	%100		
82	HRA	PZ	.000417	.000417	0	%100		
83	HA	PX	.000355	.000355	0	%100		
84	HA	PZ	.000614	.000614	0	%100		

#### Member Distributed Loads (BLC 31: Wind 180 Deg - Maintenance)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]_
1	PMA1	Z	.000485	.000485	%50	%100
2	PMA2	Z	.000485	.000485	%62.5	%100
3	PMA3	Z	.000485	.000485	0	%9.635
4	PMA3	Z	.000485	.000485	%40.365	%100
5	PMA4	Z	.000485	.000485	%50	%100



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Job Number : PR-001915 Model Name : 806454-N HV 112 948129

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#### Member Distributed Loads (BLC 31: Wind 180 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
6	PMB1	Z	.000582	.000582	0	%100
7	PMB2	Z	.000582	.000582	0	%100
8	PMB3	Z	.000582	.000582	0	%100
9	PMB4	Z	.000582	.000582	0	%100
10	PMC1	Z	.000582	.000582	0	%100
11	PMC2	Z	.000582	.000582	0	%100
12	PMC3	Z	.000582	.000582	0	%100
13	PMC4	Z	.000582	.000582	0	%100
_14	<u>\$1</u>	PZ	.00081	.00081	0	%100
15	\$2	PZ	.000983	.000983	0	%100
16	S3	PZ	.000983	.000983	0	%100
17	S4	PZ	.001	.001	0	%100
18	<b>S</b> 5	PZ	.000865	.000865	0	%100
19	S6	PZ	.000865	.000865	0	%100
20	S7	PZ	.001	.001	0	%100
21	\$8	PZ	.000865	.000865	0	%100
22	S9	PZ	.000865	.000865	0	%100
23	K1	PZ	.000507	.000507	0	%100
24	K2	PZ	.000702	.000702	0	%100
25	K3	PZ	.000702	.000702	0	%100
. 26	CB1	PZ	.000527	.000527	0	%100
27	CB2	PZ	.000594	.000594	0	%100
28	CB3	PZ	.000527	.000527	0	%100
29	G1	PZ	.000537	.000537	0	%100
30	G2	PZ	.000537	.000537	0	%100
31	G3	PZ	.000675	.000675	0	%100
32	G 4	PZ	.000538	.000538	0	%100
33	G5	PZ	.000538	.000538	0	%100
34	G6	PZ	.000675	.000675	0	%100
35	C1	PZ	.001	.001	0	%100
36	C2	PZ	.001	.001	0	%100
37	C3	PZ	.001	.001	0	%100
38	HRC	PZ	.000481	.000481	0	%100
39	HC	PZ	.000662	.000662	0	%100
40	HRB	PZ	.000481	.000481	0	%100
41	НВ	PZ	.000662	.000662	0	%100
42	HRA	PZ	.000481	.000481	0	%100
43	HA	PZ	.000709	.000709	0	%100

## Member Distributed Loads (BLC 32: Wind 210 Deg - Maintenance)

	Member Label	Direction	Start Magnitude [k/ft,.	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
_1	PMA1	X	000291	000291	0	%100
2	PMA1	Z	.000504	.000504	0	%100
3	PMA2	Х	000291	000291	0	%100
4	PMA2	Z	.000504	.000504	0	%100
5	PMA3	X	000291	000291	0	%100
6	PMA3	Z	.000504	.000504	0	%100
_7	PMA4	X	000291	000291	0	%100
8	PMA4	Z	.000504	.000504	0	%100
9	PMB1	X	000291	000291	0	%100
10	PMB1	Z	.000504	.000504	0	%100



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## Member Distributed Loads (BLC 32: Wind 210 Deg - Maintenance) (Continued)

<del> </del>	Member Label	Direction		. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
11_	PMB2	X	000291	000291	0	%100
12	PMB2	Z	.000504	.000504	0	%100
13	PMB3	X	000291	000291	. 0	%100
14_	PMB3	Z	.000504	.000504	0	%100
15	PMB4	X	000291	000291	0	%100
16	PMB4	Z	.000504	.000504	0	%100
17	PMC1	X	000291	000291	0	%100
18	PMC1	Z	.000504	.000504	0	%100
19	PMC2	: X	000291	000291	0	%100
20	PMC2	Z	.000504	.000504	0	%100
21	PMC3	X	000291	000291	0	%100
22	PMC3	Z	.000504	.000504	0	%100
23	PMC4	X	000291	000291	0	%100
24	PMC4	Z	.000504	.000504	0 1	%100 %100
25	\$1	PX	000482	000482	0	%100 %100
26	S1	PZ	.000835	.000835	0	%100 %100
27		PX	000478	000478	0	%100 %100
28	S2	PZ	.000829	.000829	0	%100 %100
29	\$3	PX	000478	000478	0	%100 %100
30	\$3	PZ	.000829	.000829	<u> </u>	
31	S3	PX	000482	<del></del>	0	%100 %400
32	\$4 \$4	PZ	.000835	000482	0	%100
33	S5	PX		.000835	0	%100
34			- 000478	000478	0	%100
	<u>\$5</u>	PZ PY	.000829	.000829	0	%100
35	<u>\$6</u>	PX	000478	000478	0	%100
36	\$6	PZ	.000829	.000829	0	%100
37	<u>\$7</u>	PX	00057	00057	0	<u>%100</u>
38	<u>\$7</u>	PZ	.000987	.000987	0	%100
39	\$8	PX	000405	000405	0	%100
40	<u>\$8</u>	PZ	.000702	.000702	0	%100
41	<u> </u>	PX	000405	000405	0	%100
42	\$9	PZ	.000702	.000702	0	%100
43	<u>K1</u>	PX	000307	000307	0	%100
44	K1	PZ	.000531	.000531	0	%100
45	K2	PX	000307	000307	0	%100
46	K2	PZ	.000531	.000531	0	%100
47	K3	PX	000367	000367	0	<b>%100</b>
48	K3	PZ	.000636	.000636	0	%100
49	CB1	PX	000288	000288	0	%100
50	CB1	PZ	.0005	.0005	0	%100
51	CB2	PX	000288	000288	0	%100
52	CB2	PZ	.0005	.0005	0	%100
53	CB3	PX	000253	000253	0	%100
54	CB3	PZ	.000439	.000439	0	%100
55	G1	PX	000203	000203	0	%100
56	G1	PZ	.000351	.000351	0	%100
57	G2	PX	000321	000321	0	%100
58	G2	PZ	.000556	.000556	0	%100
59	G3	PX	000321	000321	0	%100 %100
60	G3	PZ	.000557	.000557	0	%100 %100
61	G 4	PX	000203	000203	0	%100 %100
62	G4	PZ	.000351	.000351	0	%100 %100
				.000001		76100



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## Member Distributed Loads (BLC 32: Wind 210 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
63	G 5	PX	000321	000321	0	%100
64	G 5	PΖ	.000557	.000557	0	%100
65	G 6	PX	000321	000321	0	%100
66	G6	PZ	.000557	.000557	0	%100
67	C1	PX	000611	000611	0	%100
68	C1	PZ	.001	.001	0	%100
69	C2	PX	000611	000611	. 0	%100
70	C2	PZ	.001	.001	0	%100
71	C3	PX	000608	000608	0	%100
72	C3	PZ	.001	.001	0	%100
73	HRC	PX	000241	000241	0	%100
74	HRC	PZ	.000417	.000417	0	%100
75	HC_	PX	000355	000355	0	%100
76	HC	PZ	.000614	.000614	0	%100
77	HRB	PX	00014	00014	0	%100
78	HRB	PZ	.000243	.000243	0	%100
79	HB	PX	000207	000207	0	%100
80	HB	PZ	.000358	.000358	0	%100
81	HRA	PX	000241	000241	0	%100
82	HRA	PZ	.000417	.000417	0	%100
83	HA	PX	000355	000355	0	%100
84	HA	PZ	.000614	.000614	0	%100

#### Member Distributed Loads (BLC 33: Wind 240 Deg - Maintenance)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
1	PMA1	X	000504	000504	0	%100
2	PMA1	Z	.000291	.000291	0	%100
3	PMA2	X	000504	000504	0	%100
4	PMA2	Z	.000291	.000291	0	%100
_ 5	PMA3	X	000504	000504	0	%100
6	PMA3	Z	.000291	.000291	0	%100
7	PMA4	Х	000504	000504	0	%100
8	PMA4	Z	.000291	.000291	0	%100
9	PMB1	X	000504	000504	0	%100
10	PMB1	Z	.000291	.000291	0	%100
11	PMB2	X	000504	000504	0	%100
_12	PMB2	Z	.000291	.000291	0	%100
_13	PMB3	X	000504	000504	0	%100
14	PMB3	Z	.000291	.000291	0	%100
15	PMB4	. X	000504	000504	0	%100
16	PMB4	Z	.000291	.000291	0	%100
17	PMC1	X	00042	00042	%50	%100
18	PMC1	Z	.000243	.000243	%50	%100
19	PMC2	X	00042	00042	%62.5	%100
20	PMC2	Z	.000243	.000243	%62.5	%100
21	PMC3	X	00042	00042	0	%9.635
22	PMC3	Z	.000243	.000243	0	%9.635
23	PMC3	X	00042	00042	%40.365	%100
24	PMC3	Z	.000243	.000243	%40.365	%100
25	PMC4	X	00042	00042	%50	%100
26	PMC4	Z	.000243	.000243	%50	%100



: FDH Infrastructure Services, LLC

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### Member Distributed Loads (BLC 33: Wind 240 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft	End Magnitude[k/ft,F	Start Location lin %1	End Location[in,%]
27	S1	PX	000946	000946	0	%100
28	S1	PZ	.000546	.000546	0	%100
29	\$2	PX	000749	000749	0	%100
30	\$2	PZ	.000433	.000433	0	%100 %100
31	\$3	PX	000749	000749	0	%100 %100
32	\$3	PZ	.000433	.000433	0	%100 %100
33	S4	PX	000702	000702	0	%100 %100
34	\$4	PZ	.000405	.000405	0	%100 %100
35	S5	PX	000851	000851	0	%100 %100
36	\$5	PZ	.000491	.000491	0	%100 %100
37	\$6	PX	000851	000851	0	%100 %100
38	\$6	PZ	.000491	.000491	0	%100 %100
39	\$7	PX	000946	000946	0	%100 %100
40	S7	PZ	.000546	.000546	0	%100 %100
41	S8	PX	000749	000749	0	%100 %100
42	\$8	PZ	.000433	.000433	0	%100 %100
43	\$9	PX	000749	000749	0	%100 %100
44	\$9	PZ	.000433	.000433	0	%100 %100
45	K1	PX ·	000608	000608	0	%100 %100
46	K1	PZ	.000351	.000351	Ö	%100 %100
47	K2	PX	000439	000439	0	%100 %100
48	K2	PZ	.000253	.000253	0	%100 %100
49	K3	PX	000608	000608	0	%100 %100
50	K3	PZ	.000351	.000351	0	%100 %100
51	CB1	PX	000515	000515	0	%100 %100
52	CB1	PZ	.000297	.000297	0	%100 %100
53	CB2	PX	000457	000457	0	%100 %100
54	CB2	PZ	.000264	.000457	0	%100 %100
55	CB3	PX	000457	000264	0	%100 %100
56	CB3	PZ	.000264	.000457	0	%100 %100
57	G1	PX	000466	000466	0	%100 %100
58	G1	PZ	.000269	.000269	0	%100 %100
59	G2	PX	000585	000585	0	%100 %100
60	G2	PZ	.000338	.000338	0	%100 %100
61	G3	PX	000466	000466	0	%100 %100
62	G3	PZ	.000269	.000269	0	%100 %100
63	G4	PX	000465	000465	0	%100 %100
64	G4	PZ	.000269	.000269	0	%100 %100
65	G5	PX	000585	000585	0	%100
66	G 5	PZ	.000338	.000338	0	%100 %100
67	G6	PX	000466	000466	0	%100 %100
68	G6	PZ	.000269	.000269	0	%100 %100
69	C1	PX	001	001	0	%100 %100
70	C1	PZ	.000608	.000608	0	%100 %100
71	C2	PX	001	001	0	%100 %100
72	C2	PZ	.00062	.00062	0	%100 %100
73	C3	PX	001	001	0	%100 %100
74	C3	PZ	.000608	.000608	0	%100 %100
75	HRC	PX	000417	000417	0	%100 %100
76	HRC	PZ	.000417	.000241	0	%100 %100
77	HC	PX	000614	000614	0	%100 %100
78	HC	PZ	.000355	.000355	0	%100 %100
<u> </u>	110	I &-	.000000	.000000	V	70100



Company Des igner

: FDH Infrastructure Services, LLC

: DDC Job Number : PR-001915

Model Name : 806454-NHV 112 948129

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## Member Distributed Loads (BLC 33: Wind 240 Deg - Maintenance) (Continued)

	Member Label	Direction	S tart Magnitude [k/ft,.	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
79	HRB	PX	000417	000417	0	%100
80	HRB	PZ	.000241	.000241	0	%100
81	HB	PX	000574	000574	0	%100
82	HB HB	PZ	.000331	.000331	0	%100
83	HRA	PX	000417	000417	0	%100
84	HRA	PZ	.000241	.000241	0	%100
85	HA	PX	000574	000574	0	%100
86	HA	PZ	.000331	.000331	0	%100

Member Distributed Loads (BLC 34: Wind 270 Deg - Maintenance)

Member Label							•
PMA2						. Start Location[in,%]	
3         PMA3         X         -,000582         -,000582         0         %100           4         PMA4         X         -,000582         -,000582         0         %100           5         PMB1         X         -,000582         -,000582         0         %100           6         PMB2         X         -,000582         -,000582         0         %100           7         PMB3         X         -,000582         -,000582         0         %100           8         PMB4         X         -,000582         -,000582         0         %100           9         PMC1         X         -,000582         -,000582         0         %100           10         PMC2         X         -,000582         -,000582         0         %100           11         PMC3         X         -,000582         -,000582         0         %100           12         PMC4         X         -,000582         -,000582         0         %100           12         PMC4         X         -,000582         -,000582         0         %100           13         S1         PX         -,001         -,000582         0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
4         PMA4         X         .000582         .000582         0         %100           5         PMB1         X         .000582         .000582         0         %100           6         PMB2         X         .000582         .000582         0         %100           7         PMB3         X         .000582         .000582         0         %100           8         PMB4         X         .000582         .000582         0         %100           9         PMC1         X         .000582         .000582         0         %100           10         PMC2         X         .000582         .000582         0         %100           11         PMC3         X         .000582         .000582         0         %100           12         PMC4         X         .000582         .000582         0         %100           13         S1         PX         .001         .001         0         %100           14         S2         PX         .00081         .00081         0         %100           15         S3         PX         .00081         .00081         0         %100				· · · · · · · · · · · · · · · · · · ·		···	
5         PMB1         X         .000582         .000582         0         %100           6         PMB2         X         .000582         .000582         0         %100           7         PMB3         X         .000582         .000582         0         %100           8         PMB4         X         .000582         .000582         0         %100           9         PMC1         X         .000582         .000582         0         %100           10         PMC2         X         .000582         .000582         0         %100           11         PMC3         X         .000582         .000582         0         %100           12         PMC4         X         .000582         .000582         0         %100           13         S1         PX         .001         .001         0         %100           13         S1         PX         .001         .001         0         %100           14         S2         PX         .00081         .00081         0         %100           15         S3         PX         .00081         .00081         0         %100				<del>                                     </del>		0_	<u>%</u> 100
6         PMB2         X        000582        000582         0         %100           7         PMB3         X        000582        000582         0         %100           8         PMB4         X        000582        000582         0         %100           9         PMC1         X        000582        000582         0         %100           10         PMC2         X        000582        000582         0         %100           11         PMC3         X        000582        000582         0         %100           12         PMC4         X        000582        000582         0         %100           13         S1         PX        001        001         0         %100           14         S2         PX        00081        00081         0         %100           15         S3         PX        00081        00081         0         %100           16         S4         PX        000964        000964         0         %100           17         S5         PX        000957        00957         0         %100 <td></td> <td></td> <td></td> <td></td> <td>000582</td> <td>0</td> <td>%100</td>					000582	0	%100
7         PMB3         X        000582        000582         0         %100           8         PMB4         X        000582        000582         0         %100           9         PMC1         X        000582        000582         0         %100           10         PMC2         X        000582        000582         0         %100           11         PMC3         X        000582        000582         0         %100           12         PMC4         X        000582        000582         0         %100           13         S1         PX        001        001         0         %100           14         S2         PX        00081        00081         0         %100           15         S3         PX        00081        00081         0         %100           16         S4         PX        00094        000964         0         %100           17         S5         PX        000957        000967         0         %100           18         S6         PX        000957        000967         0         %100 <td></td> <td></td> <td></td> <td></td> <td>000582</td> <td>0</td> <td>%100</td>					000582	0	%100
8         PMB4         X        000582        000582         0         %100           9         PMC1         X        000582        000582         0         %100           10         PMC2         X        000582        000582         0         %100           11         PMC3         X        000582        000582         0         %100           12         PMC4         X        000582        000582         0         %100           13         S1         PX        001        001         0         %100           14         S2         PX        00081        00081         0         %100           15         S3         PX        00081        00081         0         %100           16         S4         PX        000964        000964         0         %100           17         S5         PX        000957        00957         0         %100           19         S7         PX        000957        00957         0         %100           20         S8         PX        000957        00957         0         %100		7.4			000582	0	%100
9         PMC1         X        000582        000582         0         %100           10         PMC2         X        000582        000582         0         %100           11         PMC3         X        000582        000582         0         %100           12         PMC4         X        000582        000582         0         %100           13         S1         PX        001        001         0         %100           14         S2         PX        00081        00081         0         %100           15         S3         PX        00081        00081         0         %100           16         S4         PX        000964        000964         0         %100           17         S5         PX        000957        000957         0         %100           18         S6         PX        000957        000957         0         %100           19         S7         PX        000957        000957         0         %100           20         S8         PX        000957        000957         0         %100 <td></td> <td></td> <td></td> <td>000582</td> <td>000582</td> <td>. 0</td> <td>%100</td>				000582	000582	. 0	%100
The color of the				000582	000582	0	%100
10         PMC2         X        000582        000582         0         %100           11         PMC3         X        000582        000582         0         %100           12         PMC4         X        000582        000582         0         %100           13         S1         PX        001        001         0         %100           14         S2         PX        00081        00081         0         %100           15         S3         PX        00081        00081         0         %100           16         S4         PX        000964        000964         0         %100           17         S5         PX        000957        000957         0         %100           18         S6         PX        000957        000957         0         %100           19         S7         PX        000957        000957         0         %100           20         S8         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100 <td></td> <td></td> <td></td> <td>000582</td> <td>000582</td> <td>0</td> <td>%100</td>				000582	000582	0	%100
11         PMC3         X        000582        000582         0         %100           12         PMC4         X        000582        000582         0         %100           13         S1         PX        00081        00081         0         %100           14         S2         PX        00081        00081         0         %100           15         S3         PX        000964        000961         0         %100           16         S4         PX        000964        000964         0         %100           17         S5         PX        000957        000957         0         %100           18         S6         PX        000957        000957         0         %100           19         S7         PX        000957        000957         0         %100           20         S8         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100           22         K1         PX        000577        000613         0         %1				000582	000582	0	
12         PMC4         X        000582        000582         0         %100           13         S1         PX        001        001         0         %100           14         S2         PX        00081         0         %100           15         S3         PX        00081         0         %100           16         S4         PX        000964        000964         0         %100           17         S5         PX        000957        000957         0         %100           18         S6         PX        000957        000957         0         %100           19         S7         PX        000957        000964         0         %100           20         S8         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100           22         K1         PX        000957        000957         0         %100           23         K2         PX        000613        000613         0         %100           24 <t< td=""><td></td><td></td><td></td><td>000582</td><td>000582</td><td>0</td><td>%100</td></t<>				000582	000582	0	%100
13         S1         PX        0001        001         0         %100           14         S2         PX        00081        00081         0         %100           15         S3         PX        00081         0         %100           16         S4         PX        000964        000957         0         %100           17         S5         PX        000957        000957         0         %100           18         S6         PX        000957        000957         0         %100           19         S7         PX        000957        000957         0         %100           20         S8         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100           22         K1         PX        000957        000957         0         %100           23         K2         PX        000613        000613         0         %100           24         K3         PX        000613        000613         0         %100				000582	000582	0	
15         S3         PX        00081        00081         0         %100           16         S4         PX        000964        000964         0         %100           17         S5         PX        000957        000957         0         %100           18         S6         PX        000957        000967         0         %100           19         S7         PX        000957        000957         0         %100           20         S8         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100           22         K1         PX        000734        000734         0         %100           23         K2         PX        000613        000613         0         %100           24         K3         PX        000613        000577         0         %100           25         CB1         PX        000577        000577         0         %				001	001	0	
15         S3         PX        00081        000964         0         %100           16         S4         PX        000964        000964         0         %100           17         S5         PX        000957        000957         0         %100           18         S6         PX        000957        000964         0         %100           19         S7         PX        00964        000964         0         %100           20         S8         PX        00957        000957         0         %100           21         S9         PX        000957        000957         0         %100           22         K1         PX        00057        000957         0         %100           23         K2         PX        000613        000613         0         %100           24         K3         PX        000613        000613         0         %100           25         CB1         PX        000577        000577         0         %100           27         CB3         PX        000507        000577         0         %1			PX	00081	00081	0	
16         S4         PX        000964        000957         0         %100           17         S5         PX        000957        000957         0         %100           18         S6         PX        000957        000957         0         %100           19         S7         PX        000957        000957         0         %100           20         S8         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100           22         K1         PX        000734        000734         0         %100           23         K2         PX        000613        000613         0         %100           24         K3         PX        000613        000613         0         %100           25         CB1         PX        000577        000577         0         %100           26         CB2         PX        000577        000577         0         %100           28         G1         PX        000643        000643         0 <t< td=""><td></td><td></td><td>PX</td><td>00081</td><td>00081</td><td>0</td><td></td></t<>			PX	00081	00081	0	
17         S5         PX        000957        000957         0         %100           18         S6         PX        000957        000957         0         %100           19         S7         PX        000964        000964         0         %4100           20         S8         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100           22         K1         PX        000734        000734         0         %100           23         K2         PX        000613        000613         0         %100           24         K3         PX        000577        000577         0         %100           25         CB1         PX        000577        000577         0         %100           26         CB2         PX        000507        000507         0         %100           28         G1         PX        000577        000577         0         %100           29         G2         PX        000643        000643         0         <				000964	000964	0	
18         S6         PX        000957        000964         0         %100           19         S7         PX        000964        000964         0         %100           20         S8         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100           22         K1         PX        000734        000734         0         %100           23         K2         PX        000613        000613         0         %100           24         K3         PX        000613        000613         0         %100           25         CB1         PX        000577        000577         0         %100           26         CB2         PX        000577        000577         0         %100           27         CB3         PX        000577        000577         0         %100           29         G2         PX        000643        000643         0         %100           30         G3         PX        000405        000405         0         <			PX	000957	000957	0	
19         S7         PX        000964        000964         0         %100           20         S8         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100           22         K1         PX        000734        000613         0         %100           23         K2         PX        000613        000613         0         %100           24         K3         PX        000613        000613         0         %100           25         CB1         PX        000577        000577         0         %100           26         CB2         PX        000577        000577         0         %100           27         CB3         PX        000643        000643         0         %100           28         G1         PX        000643        000643         0         %100           30         G3         PX        000643        000643         0         %100           31         G4         PX        000643        000405         0         <				000957	000957	0	
20         S8         PX        000957        000957         0         %100           21         S9         PX        000957        000957         0         %100           22         K1         PX        000734        000734         0         %100           23         K2         PX        000613        000613         0         %100           24         K3         PX        000577        000577         0         %100           25         CB1         PX        000577        000577         0         %100           26         CB2         PX        000507        000577         0         %100           27         CB3         PX        000577        000577         0         %100           28         G1         PX        000643         0         %100           29         G2         PX        000643        000643         0         %100           30         G3         PX        000405         .0         %100           31         G4         PX        000405         .0         %100           32         G5			PX	000964	000964		
21         S9         PX        000957        000957         0         %100           22         K1         PX        000734        000734         0         %100           23         K2         PX        000613        000613         0         %100           24         K3         PX        000613        000613         0         %100           25         CB1         PX        000577        000577         0         %100           26         CB2         PX        000577        000577         0         %100           27         CB3         PX        000577        000577         0         %100           28         G1         PX        000643        000643         0         %100           29         G2         PX        000643        000643         0         %100           30         G3         PX        000643        000643         0         %100           31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         <			PX	000957	000957	0	
22         K1         PX        000734        000734         0         %100           23         K2         PX        000613        000613         0         %100           24         K3         PX        000613        000613         0         %100           25         CB1         PX        000577        000577         0         %100           26         CB2         PX        000507        000507         0         %100           27         CB3         PX        000577        000577         0         %100           28         G1         PX        000643        000643         0         %100           29         G2         PX        000643        000643         0         %100           30         G3         PX        000405        000405         0         %100           31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         %100           34         C1         PX        000405        000405         0         <			PX	000957	000957	0	
23         K2         PX        000613        000613         0         %100           24         K3         PX        000613        000613         0         %100           25         CB1         PX        000577        000577         0         %100           26         CB2         PX        000507        000507         0         %100           27         CB3         PX        000577        000577         0         %100           28         G1         PX        000643        000643         0         %100           29         G2         PX        000643        000643         0         %100           30         G3         PX        000405        000405         0         %100           31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         %100           33         G6         PX        000643        000643         0         %100           34         C1         PX        000405        000405         0         <				000734	000734	0	
24         K3         PX        000613        000613         0         %100           25         CB1         PX        000577        000577         0         %100           26         CB2         PX        000507        000507         0         %100           27         CB3         PX        000577        000577         0         %100           28         G1         PX        000643        000643         0         %100           29         G2         PX        000643        000643         0         %100           30         G3         PX        000405        000405         0         %100           31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         %100           33         G6         PX        000643        000405         0         %100           34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100				000613	000613	0	
25         CB1         PX        000577        000577         0         %100           26         CB2         PX        000507        000507         0         %100           27         CB3         PX        000577        000577         0         %100           28         G1         PX        000643        000643         0         %100           29         G2         PX        000643        000643         0         %100           30         G3         PX        000405        000405         0         %100           31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         %100           33         G6         PX        000643        000405         0         %100           34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100 <td>24</td> <td>K3</td> <td>PX</td> <td>000613</td> <td>000613</td> <td>0</td> <td></td>	24	K3	PX	000613	000613	0	
26         CB2         PX        000507        000507         0         %100           27         CB3         PX        000577        000577         0         %100           28         G1         PX        000643        000643         0         %100           29         G2         PX        000643        000643         0         %100           30         G3         PX        000405        000405         0         %100           31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         %100           33         G6         PX        000405        000405         0         %100           34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100           36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100     <			PX	000577	000577	0	
27         CB3         PX        000577        000577         0         %100           28         G1         PX        000643        000643         0         %100           29         G2         PX        000643        000643         0         %100           30         G3         PX        000405        000405         0         %100           31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         %100           33         G6         PX        000405        000405         0         %100           34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100           36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100				000507	000507		
28         G1         PX        000643        000643         0         %100           29         G2         PX        000643        000643         0         %100           30         G3         PX        000405        000405         0         %100           31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         %100           33         G6         PX        000405        000405         0         %100           34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100           36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100				000577	000577	0	
29         G2         PX        000643        000643         0         %100           30         G3         PX        000405        000405         0         %100           31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         %100           33         G6         PX        000405        000405         0         %100           34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100           36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100	-		PX	000643	000643	0	
30         G3         PX        000405        000405         0         %100           31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         %100           33         G6         PX        000405        000405         0         %100           34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100           36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100				000643	000643	0	
31         G4         PX        000643        000643         0         %100           32         G5         PX        000643        000643         0         %100           33         G6         PX        000405        000405         0         %100           34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100           36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100			PX	000405	000405	0	
32         G5         PX        000643        000643         0         %100           33         G6         PX        000405        000405         0         %100           34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100           36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100			PX	000643	000643	0	
33         G6         PX        000405        000405         0         %100           34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100           36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100		G5	PX	000643	000643		
34         C1         PX        001        001         0         %100           35         C2         PX        001        001         0         %100           36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100			PX				
35         C2         PX        001        001         0         %100           36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100			PX				
36         C3         PX        001        001         0         %100           37         HRC         PX        000481        000481         0         %100			PX				
37 HRC PX000481000481 0 %100			PX	001			
7,510	37	HRC					
<u>. 55   115   1 FA  000709  000709   0   %100  </u>	38	HC	PX	000709	000709	0	%100
39 HRB PX000481000481 0 %100	39	HRB	PX				
40 HB PX000709000709 0 %100	40	НВ	PX				



Company Designer : DDC Job Number : PR-001915

: FDH Infrastructure Services, LLC

: DDC

Model Name : 806454-NHV 112 948129

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# Member Distributed Loads (BLC 34: Wind 270 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
41	HRA	PX	000281	000281	0	%100
42	HA	PX	000414	000414	0	%100

#### Member Distributed Loads (BLC 35: Wind 300 Deg - Maintenance)

	Member <u>Lab</u> el	Direction	S tart Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
1	PMA1	X	000504	000504	0	. %100
2	PMA1	Z	000291	000291	0	%100
3	PMA2	X	000504	000504	0	%100
4	PMA2	Z	000291	000291	0	%100
5	PMA3	X	000504	000504	0	%100
6	PMA3	Z	000291	000291	0	%100
7	PMA4	X	000504	000504	0	%100
8	PMA4	Z	000291	000291	0	%100
9	PMB1	X	00042	00042	%50	%100
10	PMB1	Z	000243	000243	%50	%100
11	PMB2_	X	00042	00042	%62.5	%100
12	PMB2	Z	000243	000243	%62.5	%100
13	PMB3	X	00042	00042	0	%9.635
14	PMB3	Z	000243	000243	0	%9.635
15	PMB3	Χ	00042	00042	%40.365	%100
16	PMB3	Z	000243	000243	%40.365	%100
17	PMB4	Χ	00042	00042	%50	%100
18	PMB4	Z	000243	000243	%50	%100
19	PMC1	Х	000504	000504	0	%100
20	PMC1	Z	000291	000291	0	%100
21	PMC2	X	- 000504	000504	0	%100
22	PMC2	Z	000291	000291	0	%100
23	PMC3	X	000504	000504	0	%100
24	PMC3	Z	000291	000291	0	%100
25	PMC4	X	000504	000504	0	%100
26	PMC4	Z	000291	000291	0	%100
27	S1	PX	000946	000946	0	%100
28	S1	PZ	000546	000546	0	%100
29	\$2	PX	000749	000749	0	%100
30	\$2	PZ	000433	000433	0	%100
31	S3	PX	000749	000749	0	%100
32	S3	PZ	000433	000433	0	%100
_33	\$4	PX	000946	000946	0	%100
34	S4	PZ	000546	000546	0	%100
35	<b>S</b> 5	PX	000749	000749	0	%100
_36	S5	PZ	000433	000433	0	%100
37	S6	PX	000749	000749	0	%100
38	S6	PZ	000433	000433	0	%100
39	S7	PX	000702	000702	0	%100
40	S <sub>7</sub>	PZ	000405	000405	0	%100
41	S8	PX	000851	000851	0	%100
42	S8	PZ	000491	000491	0	%100
43	S9	PX	000851	000851	0	%100
44	S9	PZ	000491	000491	0	%100
45	K1	PX	000608	000608	0	%100
46	K1	PZ	000351	000351	0	%100



Company

: FDH Infrastructure Services, LLC

Designer : DDC

Job Number : PR-001915

Model Name : 806454-NHV 112 948129

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Member Distributed Loads (BLC 35: Wind 300 Deg - Maintenance) (Continued)

	Member Label	Direction		. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
47	K2	PX	000608	000608	0	%100
48	K2	PZ	000351	000351	0	%100
49	K3	PX	000439	000439	0	%100
50	K3	PZ	000253	000253	0	%100
<u> 51</u>	CB1	PX	000457	000457	0	%100
52	CB1	PZ	000264	000264	0	%100
53	CB2	PX	000457	000457	0	%100
54	CB2	PZ	000264	000264	0	%100
55	<u>C</u> B3	PX	000515	000515	0	%100
56	CB3	PZ	000297	000297	0	%100
57	G1	PX	000585	000585	0	%100
58	G1	PZ	000338	000338	0	%100
59	G2	PX	000466	000466	0	%100
60	G2	PZ	000269	000269	0	%100
61	G3	PX	000466	000466	0	%100
62	G3	PZ	000269	000269	0	%100
63	G 4	PX	000585	000585	0	%100
64	G4	PZ	000338	000338	0	%100
65	G5	PX	000465	000465	0	%100
66	<b>G</b> 5	PZ	000269	000269	0	%100
67	G6	PX	000466	000466	0	%100
68	G6	PZ	000269	000269	0	%100
69	C1	PX	001	001	0	%100
70	C1	PZ	000608	000608	0	%100
71	C2	PX	001	001	0	%100
72	C2	PZ	000608	000608	0	%100
73	C3	PX	001	001	0	%100
74	C3	PZ	00062	00062	0	%100
75	HRC	PX	000417	000417	0	%100
76	HRC	PZ	000241	000241	0	%100
77	HC HC	PX	000574	000574	0	%100
78	HC	PZ	000331	000331	0	%100
79	HRB_	PX	000417	000417	0	%100
80	HRB	PZ	000241	000241	0	%100
81	НВ	PX	000614	000614	0	%100
82	НВ	PZ	000355	000355	0	%100
83	HRA	PX	000417	000417	0	%100
84	HRA	PZ	000241	000241	0	%100
85	HA	PX	000574	000574	0	%100
86	HA	PΖ	000331	000331	0	%100

Member Distributed Loads (BLC 36: Wind 330 Deg - Maintenance)

	Member Label	Direction	Start Magnitude [k/ft,.	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
1	PMA1	X	000291	000291	0	%100
2	PMA1	Z	000504	000504	0	%100
3	PMA2	X	000291	000291	0	%100
4	PMA2	Z	000504	000504	0	%100
5	PMA3	X	000291	000291	0	%100
6	PMA3	Z	000504	000504	0	%100
7	PMA4	X	000291	000291	0	%100
8	PMA4	Z	000504	000504	0	%100



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: FDH Infrastructure Services, LLC

: DDC Job Number : PR-001915

Model Name : 806454-NHV 112 948129

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# Member Distributed Loads (BLC 36: Wind 330 Deg - Maintenance) (Continued)

			. Wind ood Det	- maintenance)	10 0///////////////////////////////////	
	Member Label	Direction		End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
9	PMB1	X	000291	000291	0	%100
10	PMB1	Z	000504	000504	0	%100
11	PMB2	X	000291	000291	0	%100
12	PMB2	Z	000504	000504	0	%100
13	PMB3	X	000291	000291	0	%100
14	PMB3	Z	000504	000504	0	%100
_15	PMB4	Χ	000291	000291	0	%100
16	PMB4	Z	000504	000504	0	%100
17	PMC1	X	000291	000291	0	%100
18	PMC1	Z	000504	000504	0	%100
19	PMC2	X	000291	000291	. 0	%100
20	PMC2	Z	000504	000504	0	%100
21	PMC3	X	000291	000291	0	%100
22	PMC3	Z	000504	000504	Ö	%100
23	PMC4	<u>X</u>	000291	000291	o .	%100
24	PMC4	Z	000504	000504	0	%100 %100
25	S1	PX	000482	000482	0	%100
26	S1	PZ	000435	000482	0	%100 %100
27	S2	PX	000478	000833	0	%100 %100
28	\$2 \$2	PZ	000478	000478	0	
29	S3	PX	000829	000829	0	%100 %400
30	S3	PZ	000478			%100 %400
31	 \$4	PX	-h	000829	0	%100
32			00057	00057	0	<u>%100</u>
	<u>\$4</u>	PZ	000987	000987	0	<u>%100</u>
33	S5	PX	000405	000405	0	%100
34	<u>\$5</u>	PZ	000702	000702	0	%100
35	S6	PX	000405	000405	0	%100
36	<u>\$6</u>	PZ	000702	000702	0	%100
37	<u>\$7</u>	PX	000482	000482	0	%100
38	<u>\$7</u>	PZ	000835	000835	0	%100
39	\$8	PX	000478	000478	0	%100
40	<u>\$8</u>	PZ	000829	000829	0	%100
41	S9	PX	000478	000478	0	<u>%100</u>
42	<u>\$9</u>	PZ	000829	000829	0	<u>%100</u>
_43	K1	PX	000307	000307	0	%100
44	K1	PZ	000531	000531	0	%100
45	K2	PX	000367	000367	0	%100
46	K2	PZ	000636	000636	0	%100
47	K3	PX	000307	000307	0	%100
48	K3	PZ	000531	000531	0	%100
49	CB1	PX	000253	000253	0	%100
50	CB1	PZ	000439	000439	0	%100
51	CB2	PX	000288	000288	0	%100
52	CB2	PZ	0005	0005	0	%100
53	CB3	PX	000288	000288	0	%100
54	CB3	PZ	0005	0005	0	%100 %100
55	G1	PX	000321	000321	ő	%100 %100
56	G1	PZ	000556	000556	0	%100 %100
57	G 2	PX	000203	000203	0	%100 %100
58	G2	PZ	000203	000203	0	%100 %100
59	G3	PX	000331	000331	0	%100 %100
60	G3	PZ	000521	000557	0	
		г4	000007	<u>".000057</u>	U	%100



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#### Member Distributed Loads (BLC 36: Wind 330 Deg - Maintenance) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
61	G4	PX	000321	000321	0	%100
62	<u>G4</u>	PZ	000557	000557	0	%100
63	G5	PX	000203	000203	0	%100
64	<u>G</u> 5	PZ	000351	000351	0	%100
65	G6	PX	000321	000321	0	%100
66	G 6	PZ	000557	000557	0	%100
67	C1	PX	000611	000611	0	%100
68	C1	PZ	001	001	0	%100
69	C2	PX	000608	000608	0	%100
70	C2	PZ	001	001	0	%100
71	C3	PX	000611	000611	0	%100
72	C3	PZ	001	001	0	%100
73	HRC	PX	00014	00014	0	%100
74	HRC	PZ	000243	000243	0	%100
75	HC	PX	000207	000207	0	%100
76	HC	PZ	000358	000358	0	%100
77	HRB	PX	000241	000241	0	%100
78	HRB	PZ	000417	000417	0	%100
79	HB	PX	000355	000355	0	%100
80	HB	PZ	000614	000614	0	%100
81	HRA	PX	000241	000241	0	%100
82	HRA	PZ	000417	000417	0	%100
83	HA	PX	000355	000355	0	%100
84	HA	PZ	000614	000614	0	%100

#### Member Distributed Loads (BLC 38 : Dead - Ice)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
1	S1	Υ	015	015	0	%100
2	S2	Υ	015	015	0	%100
3	\$3	Υ	015	015	0	%100
4	S4	Υ	015	015	0	%100
5	<u>\$5</u>	Y	015	015	0	%100
6	S6	Υ	015	015	0	%100
7	S7	Y	015	015	0	%100
8	\$8	Υ	015	015	0	%100
9	S9	Υ	015	015	0	%100
10	<u>K1</u>	Υ	015	015	0	%100
_11	K2	Υ	015	015	0	%100
_12	K3	Υ	015	015	0	%100
13	CB1	Υ	011	011	0	%100
14	CB2	Y	011	011	0	%100
15	CB3	Y	011	011	0	%100
_16	G1	Υ	009	009	0	%100
17	G2	Y	009	009	0	%100
18	G3	Υ	009	009	0	%100
19	G4	Υ	009	009	0	%100
_20	G 5	Y	009	009	0	%100
21	G6	Υ	009	009	0	%100
- 22	C1	Υ	016	016	0	%100
23	C2	Υ	016	016	0	%100
24	C3	Υ	016	016	0	%100



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# Member Distributed Loads (BLC 38 : Dead - Ice) (Continued)

	Me mber Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
25	PMC1	Y	009	009	0	%100
26	PMC2	Y	009	009	0	%100
27	PMC3	Υ	009	009	0	%100
28	PMC4	Υ	009	009	0	%100
29	HRC	Υ	008	008	0	%100
30	HC	Υ	011	011	0	%100
31	PMB1	Υ	009	009	0	%100
32	PMB2	Υ	009	009	0	%100
33	PMB3	Y	009	009	0	%100
34	PMB4	. Y	009	009	0	%100
35	HRB	Υ	008	008	0	%100
36	HB	Υ	011	011	0	%100
37	PMA1	Υ	009	009	0	%100
38	PMA2	Υ	009	009	0	%100
39	PMA3	Y	009	009	0	%100
40	PMA4	Y	009	009	0	%100
41	HRA	Υ	008	008	0	%100
42	HA	Υ	011	011	0	%100

### Member Distributed Loads (BLC 120 : Earthquake 0 Deg)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
1	<u> </u>	Z	001	001	0	%100
2	S2	Z	001	001	0	%100
3	<u>\$3</u>	. Z	001	001	0	%100
4	\$4	Z	001	001	0	%100
5	S5	Z	001	001	0	%100
6	S6	Z	001	001	0	%100
7	\$7	Z	001	001	0	%100
8	S8	Z	001	001	0	%100
9	\$9	Z	001	001	0	%100
10	K1	Z	000601	000601	0	%100
11	<u>K2</u>	Z	000601	000601	0	%100
_12	K3	Z	000601	000601	0	%100
13	CB1	Z	000397	000397	0	%100
14	CB2	Z	000397	000397	0	%100
15	CB3	Z	000397	000397	0	%100
16	G1	Z	000241	000241	0	%100
17	G2	Z	000241	000241	0	%100
18	G3	Z	000241	000241	0	%100
19	G4	Z	000241	000241	0	%100
20	G 5	Z	000241	000241	0	%100
21	G 6	Z	000241	000241	0	%100
22	C1	Z	001	001	0	%100
23	C2	Z	001	001	0	%100
24	C3	Z	001	001	0	%100
25	PMC1	Z	000538	000538	0	%100
26	PMC2	Z	000538	000538	0	%100
27	PMC3	Z	000538	000538	0	%100
28	PMC4	Z	000538	000538	0	%100
29	HRC	Z	000341	000341	0	%100
30	HC	Z	000691	000691	0	%100



Company Designer : DDC Job Number : PR-001915

: FDH Infrastructure Services, LLC

: DDC

: 806454-NHV 112 948129

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## Member Distributed Loads (BLC 120 : Earthquake 0 Deg) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
31	PMB1	Z	000538	000538	0	%100
32	PMB2	Z	000538	000538	0	%100
33	PMB3	Z	000538	000538	0	%100
34	PMB4	Z	000538	000538	0	%100
35	HRB	Z	000341	000341	0	%100
36	HB	Z	000691	000691	0	%100
37	PMA1	Z	000538	000538	0	%100
38	PMA2	Z	000538	000538	0	%100
39	PMA3	Z	000538	000538	0	%100
40	PMA4	Z	000538	000538	0	%100
41	HRA	Z	000341	000341	0	%100
42	HA	Z	000691	000691	0	%100

## Member Distributed Loads (BLC 121 : Earthquake 30 Deg)

	Member Label	Direction	S tart Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
_1	S1	X	.000563	.000563	0	%100
2	<u>S1</u>	Z	000975	000975	0	%100
_ 3	S2	Χ	.000563	.000563	0	%100
4	S2	Z	000975	000975	0	%100
5	\$3	X	.000563	.000563	0	%100
6	\$3	Z	000975	000975	0	%100
7	\$4	Χ	.000563	.000563	0	%100
8	\$4	Z	000975	000975	0	%100
9	S5	X	.000563	.000563	0	%100
10	<u>\$5</u>	Z	000975	000975	0	%100
11	\$6	Χ	.000563	.000563	0	%100
12	S6	Z	000975	000975	0	%100
13	· \$7	Χ	.000563	.000563	0	%100
14	<b>S7</b>	Z	000975	000975	0	%100
15_	\$8	Χ	.000563	.000563	0	%100
16	\$8	Z	000975	000975	0	%100
17	S9	Χ	.000563	.000563	0	%100
18	S9	Z	000975	000975	0	%100
19	K1	X	.000301	.000301	0	%100
20	K1	Z	000521	000521	0	%100
21	K2	X	.000301	.000301	0 ,	%100
22	K2	Z	000521	000521	0	%100
23	K3	X	.000301	.000301	0	%100
24	K3	Z	000521	000521	0	%100
25	CB1	X	.000199	.000199	0	%100
26	CB1	Z	000344	000344	0	%100
27	CB2	Х	.000199	.000199	0	%100
28	CB2	Z	000344	000344	0	%100
29	CB3	Χ	.000199	.000199	0	%100
30	CB3	Z	000344	000344	0	%100
31	G1	X	.000121	.000121	0	%100
32	G1	Z	000209	000209	0	%100
33	G2	Χ	.000121	.000121	0	%100
34	G2	Z	000209	000209	0	%100
35	G3	Χ	.000121	.000121	0	%100
36	G3	Z	000209	000209	0	%100

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Member Distributed Loads (BLC 121 : Earthquake 30 Deg) (Continued)

	Member Label	Direction	Start Magnitude Ik/ft	. End Magnitude[k/ft,F	Start Location fin 9/1	End Location Em 0/1
37	G4	X	.000121	.000121	0	End Location[in,%] %100
38	G4	Ž	000209	000209	0	%100 %100
39	G5	X	.000121	.000203	0	%100 %100
40	G5	Z	000209	000209	0	%100 %100
41	G 6	X	.000121	.000203	0	%100 %100
42	G6	Z	000209	000209	0	%100 %100
43	C1	X	.000501	.000501	0	%100 %100
44	C1	Z	000868	000868	0	%100
45	C2	X	.000501	.000501	0	%100 %100
46	C2	Z	000868	000868	0	%100
47	C3	X	.000501	.000501	0	%100 %100
48	C3	Z	000868	000868	0	%100 %100
49	PMC1	X	.000269	.000269	0	%100 %100
50	PMC1	Z	000466	000466	0	%100 %100
51	PMC2	X	.000269	.000269	0	%100 %100
52	PMC2	Z	000466	000466	0	%100 %100
53	PMC3	1 X	.000269	.000269	0	%100 %100
54	PMC3	Z	000466	000466	0	%100 %100
55	PMC4	X	.000269	.000269	0	%100 %100
56	PMC4	Ž	000466	000466	0	%100 %100
57	HRC	X	.00017	.00017	0	%100 %100
58	HRC	Z	000295	000295	0	%100 %100
59	HC	X	.000346	.000346	0	%100 %100
60	HC	Z	000599	000599	0	%100 %100
61	PMB1	X	.000269	.000269	0	%100 %100
62	PMB1	Z	000466	000466	0	%100 %100
63	PMB2	X	.000269	.000269	0	%100 %100
64	PMB2	Z	000466	000466	0	%100 %100
65	PMB3	X	.000269	.000269	0	%100 %100
66	PMB3	Ž	000466	000466	0	%100 %100
67	PMB4	X	.000269	.000269	0	%100 %100
68	PMB4	Z	000466	000466	0	%100
69	HRB	X	.00017	.00017	0	%100 %100
70	HRB	Z	000295	000295	0	%100
71	НВ	X	.000346	.000346	0	%100 %100
72	НВ	Z	000599	000599	0	%100
73	PMA1	X	.000269	.000269	0	%100 %100
74	PMA1	Z	000466	000466	0	%100 %100
75	PMA2	X	.000269	.000269	0	%100 %100
76	PMA2	Z	000466	000466	0	%100
77	PMA3	X	.000269	.000269	0	%100
78	PMA3	Z	000466	000466	0	%100
79	PMA4	Χ	.000269	.000269	0	%100 %100
80	PMA4	Z	000466	000466	0	%100 %100
81	HRA	X	.00017	.00017	0	%100
82	HRA	Z	000295	000295	0	%100
83	HA	X	.000346	.000346	0	%100
84	НА	Z	000599	000599	0	%100
			·			

Member Distributed Loads (BLC 122 : Earthquake 60 Deg)

Member Label

Direction

Start Magnitude [k/ft,... End Magnitude[k/ft,F... Start Location[in,%]



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# Member Distributed Loads (BLC 122 : Earthquake 60 Deg) (Continued)

	Member Label	Direction	Stort Magnitude IV/ft	. End Magnitude[k/ft,F		F11
1	S1	X	.000975	.000975		End Location[in,%]
2	S1	Ž	000563		0	%100
3	\$2	X		000563	0	%100
4	\$2 \$2	Ž	.000975	.000975	0	%100
5	\$3 \$3	X	000563	000563	0	%100
6	<u>\$3</u> \$3		.000975	.000975	0	%100
7		Z	000563	000563	0	%100
8	<u>\$4</u>	X	.000975	.000975	0	%100
9	S4	Z	000563	000563	0	%100
	\$5 25	X	.000975	.000975	0	<u>%100</u>
10	\$5 22	Z	000563	000563	0	%100
11	S6	X	.000975	.000975	0	%100
12	<u>\$6</u>	Z	000563	000563	0	%100
13	<u>\$7</u>	X	.000975	.000975	0	<u>%</u> 100
14	<u> </u>	_Z	000563	000563	0	<u>%</u> 100
15	<u>\$8</u>	X	.000975	.000975	0	%100
16	\$8	Z	000563	000563	0	%100
17	S9	X	.000975	.000975	0	%100
18	S9	Z	000563	000563	0	%100
19	K1	X	.000521	.000521	0	%100
20	K1	Z	000301	000301	0	%100
21	K2	X	.000521	.000521	0	%100
22	K2	Z	000301	000301	0	%100
23	K3	X	.000521	.000521	0	%100
24	K3	Z	000301	000301	0	%100
25	CB1	X	.000344	.000344	0	%100
_26	CB1	Z	000199	000199	0	%100
27	CB2	X	.000344	.000344	0	%100
28	CB2	Z	000199	000199	0	%100
29	CB3	Χ	.000344	.000344	0	%100
30	CB3	Z	000199	000199	0	%100
31	G1	Х	.000209	.000209	0	%100
32	G1	Z	000121	000121	0	%100
33	G2	X	.000209	.000209	0	%100
34	G2	Z	000121	000121	0	%100
35	G3	X	.000209	.000209	0	%100 %100
36	G3	Z	000121	000121	0	%100
37	G4	X	.000209	.000209	0	%100 %100
38	G4	Z	000121	000121	0	%100 %100
39	G 5	X	.000209	.000209	Ö	%100 %100
40	G5	Z	000121	000121	0	%100 %100
41	G6	X	.000209	.000209	0	%100 %100
42	G 6	Z	000121	000121	0	%100 %100
43	C1	X	.000868	.000868	0	%100 %100
44	C1	Z	000501	000501	0	%100 %100
45	C2	X	.000868	.000361	0	%100 %100
46	C2	Z	000501	000501	0	%100 %100
47	C3	X X	.000868	.000868	0	%100 %100
48	C3	Z	000501	000501	0	%100 %100
49	PMC1	X	.000466	.000466	0	%100 %100
50	PMC1	Z	000269	000269	0	
51	PMC2	X	.000269	.000466		%100 %100
52	PMC2	Z	000269		0	%100
UZ	FINICZ		000269	000269	0	%100



Company Designer : DDC Job Number : PR-001915

: FDH Infrastructure Services, LLC

Model Name : 806454-NHV 112 948129

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Member Distributed Loads (BLC 122 : Earthquake 60 Deg) (Continued)

	Member Label	Direction	Start Magnitude[k/ft,	. End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
53	PMC3	Χ	.000466	.000466	0	%100
54	PMC3	Z	000269	000269	0	%100
55	PMC4	X	.000466	.000466	0	%100
56	PMC4	Z	000269	000269	0	%100
57	HRC	X	.000295	.000295	0	%100
58	HRC	Z	00017	00017	0	%100
59	HC	X	.000599	.000599	0	%100
60	HC	Z	000346	000346	0	%100
61	PMB1	Χ	.000466	.000466	0	%100
62	PMB1	Z	000269	000269	0	%100
63	PMB2	Χ	.000466	.000466	0	%100
64	PMB2	Z	000269	000269	0	%100
65	PMB3	Χ	.000466	.000466	0	%100
66	PMB3	Z	000269	000269	0	%100
67	PMB4	X	.000466	.000466	0	%100
68	PMB4	Z	000269	000269	0	%100
69	HRB .	X	.000295	.000295	0	%100
70	HRB	Z	00017	00017	0	%100
71	HB	Χ	.000599	.000599	0	%100
72	HB	Z	000346	000346	0	%100
73	PMA1	Х	.000466	.000466	0	%100
74	PMA1	Z	000269	000269	0	%100
75	PMA2	Χ	.000466	.000466	0	%100
76	PMA2	Z	000269	000269	0	%100
77	PMA3	X	.000466	.000466	0	%100
78	PMA3	Z	000269	000269	0	%100
79	PMA4	Χ	.000466	.000466	0	%100
80	PMA4	Z	000269	000269	0	%100
81	HRA	Χ	.000295	.000295	0	%100
82	HRA	Z	00017	00017	0	%100
83	HA	Х	.000599	.000599	0	%100
84	HA HA	Z	000346	000346	0	%100

Member Distributed Loads (BLC 123 : Earthquake 90 Deg)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
1	<u>\$1</u>	X	.001	001	0	%100
2	\$2	Х	.001	.001	0	%100
3	\$3	X	.001	.001	0	%100
4	S4	X	.001	.001	0	%100
5	<u>\$5</u>	X	.001	.001	0	%100
6	S6	X	.001	.001	0	%100
7	S7	X	.001	.001	0	%100
8	S8	X	.001	.001	0	%100
9	<u>\$9</u>	. X	.001	.001	0	%100
10	K1	X	.000601	.000601	0	%100
11	K2	Χ	.000601	.000601	0	%100
12	K3	X	.000601	.000601	0	%100
13	CB1	X	.000397	.000397	0	%100
14	CB2	X	.000397	.000397	0	%100
15	CB3	Χ	.000397	.000397	0	%100
16	G1	X	.000241	.000241	0	%100



Company Des igner : FDH Infrastructure Services, LLC

Job Number : PR-001915

Model Name : 806454-NHV 112 948129

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#### Member Distributed Loads (BLC 123 : Earthquake 90 Deg) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location (in.%)	End Location[in,%]
17	G2	Х	.000241	.000241	0	%100
_18	G3	Х	.000241	.000241	0	%100
19	G4	Χ	.000241	.000241	0	%100
20	G 5	Χ	.000241	.000241	0	%100
21	G6	Х	.000241	.000241	0	%100
22	<u>C1</u>	X	.001	.001	0	%100
23	C2	X	.001	.001	0	%100
24	C3	X	.001	.001	0	%100
25	PMC1	X	.000538	.000538	0	%100
26	PMC2	X	.000538	.000538	0	%100
27	PMC3	X	.000538	.000538	0	%100
28	PMC4	X	.000538	.000538	0	%100
29	HRC	X	.000341	.000341	0	%100
30	HC	X	.000691	.000691	0	%100
31	PMB1	X	.000538	.000538	0	%100
32	PMB2	X	.000538	.000538	0	%100
33	PMB3	Х	.000538	.000538	0	%100
34	PMB4	X	.000538	.000538	0	%100
35	HRB	X	.000341	.000341	0	%100
36	HB	X	.000691	.000691	0	%100
37	PMA1	X	.000538	.000538	0	%100
38	PMA2	Х	.000538	.000538	0	%100
39	PMA3	X	.000538	.000538	0	%100
40	PMA4	Х	.000538	.000538	0	%100
41	HRA	Х	.000341	.000341	0	%100
42	HA	X	.000691	.000691	0	%100

# Member Distributed Loads (BLC 124 : Earthquake 120 Deg)

	Member Label .	Direction	S tart Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
1	S1	Χ	.000975	.000975	0	%100
2	<u> </u>	Z	.000563	.000563	0	%100
3	S2	X	.000975	.000975	0	%100
4	S2	Z	.000563	.000563	0	%100
_5	<u>\$3</u>	X	.000975	.000975	0	%100
_6	<u>\$3</u>	Z	.000563	.000563	0	%100
7	S4	Х	.000975	.000975	0	%100
8	S4	Z	.000563	.000563	0	%100
9	S5	X	.000975	.000975	0	%100
_10	S5	Z	.000563	.000563	0	%100
11	<u>S6</u>	X	.000975	.000975	0	%100
12	S6	Z	.000563	.000563	0	%100
13	S7	Χ	.000975	.000975	0	%100
14	\$7	Z	.000563	.000563	0	%100
15	\$8	Χ	.000975	.000975	0	%100
16	S8	Z	.000563	.000563	0	%100
17	\$9	X	.000975	.000975	0	%100
18	S9	Z	.000563	.000563	0	%100
19	K1	X	.000521	.000521	0	%100
20	K1	Z	.000301	.000301	0	%100
21	K2	Х	.000521	.000521	0	%100
_22	K2	Z	.000301	.000301	0	%100



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: FDH Infrastructure Services, LLC

Model Name : 806454-NHV 112 948129

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# Member Distributed Loads (BLC 124 : Earthquake 120 Deg) (Continued)

			LT / Lui brquare			
22	Member Label	Direction		. End Magnitude[k/ft,F		End Location[in,%]
23	K3	X	.000521	.000521	0	%100
24	K3	Z	.000301	.000301	0	%100
25	CB1	X	.000344	.000344	0	%100
26	CB1	Z	.000199	.000199	0 .	%100
27	<u>C</u> B2	X	.000344	.000344	0	%100
28	CB2	Z	.000199	.000199	0	%100
29	CB3	X	.000344	.000344	0	%100
30	CB3	Z	.000199	.000199	0	%100
31	G1	X	.000209	.000209	0	%100
32	G 1	Z	.000121	.000121	0	%100
33	G2	X	.000209	.000209	0	%100
34	G2	Z	.000121	.000121	0	%100
35	G3	X	.000209	.000209	0	%100
36	G3	Z	.000121	.000121	0	%100 %100
37	G4	X	.000209	.000209	0	%100 %100
38	G4	Z	.000121	.000121	0	%100 %100
39	G5	X	.000209	.000209	0	%100 %100
40	G5	Z	.000121	.000203	0	%100 %100
41	G 6	X	.000209	.000209	0	%100 %100
42	G6	Z	.000209	.000209	0	
43	C1	X	.000121	.000121		<u>%100</u>
44	C1	Z	.000501	.000501	0	%100
45	C2	X			0	%100
46	C2	Z	.000868	.000868	0	%100
47	C3		.000501	.000501	0	<u>%100</u>
48	C3	X	.000868	.000868	. 0	%100
		Z	.000501	.000501	0	%100
49	PMC1	X	.000466	.000466	0	%100
50	PMC1	<u> </u>	.000269	.000269	0	<u>%100</u>
51	PMC2	<u> X</u>	.000466	.000466	0	%100
52	PMC2	<u>Z</u>	.000269	.000269	0	%100
53	PMC3	<u> </u>	.000466	.000466	0	<u>%</u> 100
54	PMC3	Z	.000269	.000269	0	%100
55	PMC4	X	.000466	.000466	0	%100
56	PMC4	Z	.000269	.000269	0	%100
57	HRC	X	.000295	.000295	0	%100
58	HRC	Z	.00017	.00017	0	%100
59	HC HC	Χ	.000599	.000599	0	%100
60	HC	Z	.000346	.000346	0	%100
61	PMB1	X	.000466	.000466	0	%100
62	PMB1	Z	.000269	.000269	0	%100
63	PMB2	X	.000466	.000466	0	%100
64	PMB2	Z	.000269	.000269	0	%100
65	PMB3	X	.000466	.000466	0	%100 %100
66	PMB3	Z	.000269	.000269	0	%100
67	PMB4	X	.000466	.000466	0	%100 %100
68	PMB4	Z	.000269	.000269	Ŏ I	%100 %100
69	HRB	X	.000295	.000295	0	%100 %100
70	HRB	Z	.00017	.000233	0	%100 %100
71	НВ	X	.000599	.00017	0	%100 %100
72	НВ	Z	.000399	.000346	0	%100 %100
73	PMA1	X	.000346	.000346		
74	PMA1	Z			0	%100 %400
	FIVIAI		.000269	.000269	0	%100



Company

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: DDC Job Number : PR-001915

Model Name : 806454-NHV 112 948129

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# Member Distributed Loads (BLC 124 : Earthquake 120 Deg) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
75	PMA2	X	.000466	.000466	0	%100
76	PMA2	Z	.000269	.000269	0	%100
77	PMA3	X	.000466	.000466	0	%100
78	PMA3	Z	.000269	.000269	0	%100
79	PMA4	Х	.000466	.000466	0	%100
80	PMA4	Z	.000269	.000269	0	%100
81	HRA	Х	.000295	.000295	0	%100
82	HRA	Z	.00017	.00017	0	%100
83	HA	Χ	.000599	.000599	0	%100
84	HA	Z	.000346	.000346	0	%100

### Member Distributed Loads (BLC 125 : Earthquake 150 Deg)

	•	•••		-		
	Member Label	<u>Direction</u>		. End Magnitude[k/ft,F	. Start Location[in,%]_	End Location[in,%]
1	S1	X	.000563	.000563	0	%100
2	S1	Z	.000975	.00 <u>0975</u>	0	%100
3_	\$2	X	.000563	.000563	0	%100
4	\$2	Z	.000975	.000975	0	%100
5	S3	X	.000563	.000563	0	%100
6	S3	Z	.000975	.000975	0	%100
7	S4	Χ	.000563	.000563	0	%100
8	S4	Z	.000975	.000975	0	%100
9	S5	X	.000563	.000563	0	%100
10	S5	Z	.000975	.000975	0	%100
11_	S6	X	.000563	.000563	0	%100
12	<u>\$6</u>	Z	.000975	.000975	0	%100
13	S7	X	.000563	.000563	0	%100
14	S7	Z	.000975	.000975	0	%100
15	\$8	X	.000563	.000563	0	%100
16	S8	Z	.000975	.000975	0	%100
17	S9	Χ	.000563	.000563	0	%100
18	\$9	Z	.000975	.000975	0	%100
19	K1	Χ	.000301	.000301	0	%100
20	K1	Z	.000521	.000521	0	%100
21	K2	Χ	.000301	.000301	0	%100
22	K2	Z	.000521	.000521	0	%100
_23	K3	X	.000301	.000301	0	%100
24	K3	Z	.000521	.000521	0	%100
25	CB1	Х	.000199	.000199	0	%100
_26	CB1	Z	.000344	.000344	0	%100
27	CB2	X	.000199	.000199	0	%100
28	CB2	Z	.000344	.000344	0	%100
29	CB3	Х	.000199	.000199	0	%100
30	CB3	Z	.000344	.000344	0	%100
31	G1	Х	.000121	.000121	0	%100
32	G1	Z	.000209	.000209	0	%100
_33	G2	Х	.000121	.000121	0	%100
34	G2	Z	.000209	.000209	0	%100
35	G3	X	.000121	.000121	0	%100
36	G3	Z	.000209	.000209	0	%100
37	G4	Х	.000121	.000121	0	%100 %100
38	G4	Z	.000209	.000209	0	%100
					<del>-</del>	



Company : FDH Infrastructure Services, LLC
Designer : DDC
Job Number : PR-001915
Model Name : 806454-NHV 112 948129

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### Member Distributed Loads (BLC 125 : Earthquake 150 Deg) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
39	G 5	X	.000121	.000121	0	%100
40	G 5	Z	.000209	.000209	0	%100
41	G6	X	.000121	.000121	0	%100
42	G6	Z	.000209	.000209	0	%100
43	C1	X	.000501	.000501	0	%100
44	C1	Z	.000868	.000868	0	%100
45	C2	Χ	.000501	.000501	. 0	%100
46	C2	Z	.000868	.000868	0	%100
47	C3	Х	.000501	.000501	0	%100
48	C3	Z	.000868	.000868	0	%100
49	PMC1	X	.000269	.000269	0	%100
50	PMC1	Z	.000466	.000466	0	%100
51	PMC2	X	.000269	.000269	Ö	%100
52	PMC2	Z	.000466	.000466	Ö	%100
53	PMC3	X	.000269	.000269	0	%100 %100
54	PMC3	Z	.000466	.000466	0	%100 %100
55	PMC4	X	.000269	.000269	0	%100 %100
56	PMC4	Z	.000466	.000466	0	%100 %100
57	HRC	X	.00017	.00017	0	%100 %100
58	HRC	Z	.00017	.000295	0	%100 %100
59	HC	X	.000293	.000293	0	%100 %100
60	HC	Z	.000548	.000549	0	
61	PMB1	- X	.000269	.000399	0	%100 %100
62	PMB1	Z	.000269		.,	%100
63	PMB2	X		.000466	0	%100 %100
64	PMB2	<u> </u>	.000269	.000269	0	%100
65	PMB3		.000466	.000466	0	%100
		X	.000269	.000269	0	%100
66	PMB3	Z	.000466	.000466	0	%100
67	PMB4	X	.000269	.000269	0	%100
68	PMB4	Z	.000466	.000466	0	%100
69	HRB	<u>X</u>	.00017	.00017	0	<u>%100</u>
70	HRB	Z	.000295	.000295	0	%100
71	HB	X	.000346	.000346	0	%100
72	НВ	Z	.000599	.000599	0	%100
73	PMA1	X	.000269	.000269	0	%100
74	PMA1	Z	.000466	.000466	0	%100
75	PMA2	X	.000269	.000269	0	%100
_76	PMA2	Z	.000466	.000466	0	%100
77	PMA3	X	.000269	.000269	0	%100
78	PMA3	Z	.000466	.000466	0	%100
79	PMA4	X	.000269	.000269	0	%100
80	PMA4	Z	.000466	.000466	0	%100
81	HRA	X	.00017	.00017	0	%100
82	HRA	Z	.000295	.000295	0	%100
83	НА	Х	.000346	.000346	0	%100
84	HA	Z	.000599	.000599	0	%100

# Member Distributed Loads (BLC 126 : Earthquake 180 Deg)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	S tart Location[in,%]	End Location[in,%]
1	S1	Z	.001	.001	0	%100
_ 2	\$2	Z	.001	.001	0	%100



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# Member Distributed Loads (BLC 126 : Earthquake 180 Deg) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location[in,%]	End Location[in,%]
3	S3	Z	.001	.001	0	%100
4	S4	Z	.001	.001	0	%100
5	S5	Z	.001	.001	0	%100
6	S6	Z	.001	.001	0	%100
7	<u>\$7</u>	Z	.001	.001	0	%100
8	S8	Z	.001	.001	0	%100
9	S9	Z	.001	.001	0	%100
10	K1	Z	.000601	.000601	0	%100
11	K2	Z	.000601	.000601	0	%100
12	K3	Z	.000601	.000601	0	%100
13	CB1_	Z	.000397	.000397	0	%100
14	CB2	Z	.000397	.000397	0	%100
15	CB3	Z	.000397	.000397	0	%100
16	G1	Z	.000241	.000241	0	%100
17	G2	Z	.000241	.000241	0	%100
18	G3	Z	.000241	.000241	0	%100
19	G4	<u>Z</u>	.000241	.000241	0	%100
20	G5	Z	.000241	.000241	0	%100
21	G6	Z	.000241	.000241	0	%100
22	C1	Z	.001	.001	0	%100
23	C2	Z	.001	.001	0	%100
24	C3	Z	.001	.001	0	%100
25	PMC1	Z	.000538	.000538	0	%100
26	PMC2	Z	.000538	.000538	0	%100
27	PMC3	Z	.000538	.000538	0	%100
_28	PMC4	Z	.000538	.000538	0	%100
29	HRC	Z	.000341	.000341	0	%100
30	HC	Z	.000691	.000691	0	%100
31	PMB1	Z	.000538	.000538	0	%100
32	PMB2	Z	.000538	.000538	0	%100
33	<u>PMB</u> 3	Z	.000538	.000538	0	%100
34	PMB4	Z	.000538	:000538	0	%100
35	HRB	Z	.000341	.000341	0	%100
36	HB	Z	.000691	.000691	0	%100
_37	PMA1	Z	.000538	.000538	0	%100
38	PMA2	Z	.000538	.000538	0	%100
39	PMA3	Z	.000538	.000538	0	%100
_40	PMA4	Z	.000538	.000538	0	%100
41	HRA	Z	.000341	.000341	0	%100
42	HA	Z	.000691	.000691	0	%100

### Member Distributed Loads (BLC 127 : Earthquake 210 Deg)

	Member Label	Direction	Start Magnitude [k/fl,	End Magnitude[k/ft,F	Start Location [in, %]	End Location[in,%]
1	<u> </u>	X	000563	000563	0	%100
2	<u>\$1</u>	Z	.000975	.000975	0	%100
3	\$2	X	000563	000563	0	%100
4	S2	Z	.000975	.000975	0	%100
_ 5	S3	Χ	000563	000563	0	%100
_ 6	S3	Z	.000975	.000975	0	%100
7	S4	X	000563	000563	0	%100
8	\$4	Z	.000975	.000975	0	%100



Company Designer

: FDH Infrastructure Services, LLC

: DDC

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Model Name : 806454-NHV 112 948129

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## Member Distributed Loads (BLC 127 : Earthquake 210 Deg) (Continued)

	Member Label	Direction	S tart Magnitude Ik/ft	. End Magnitude[k/ft,F	Start Location (in %)	End Location[in,%]
9	S5	X	000563	000563	0	%100
10	\$5	Z	.000975	.000975	0	%100
11	\$6	X	000563	000563	0	%100
12	\$6	Z	.000975	.000975	0	%100 %100
13	S7	X	000563	000563	0	%100 %100
14	S7	Z	.000975	.000975	0	%100
15	S8	X	000563	000563	0	%100 %100
16	S8	Z	.000975	.000975	0	%100 %100
17	\$9	$\frac{\overline{x}}{x}$	000563	000563	0	%100 %100
18	S9	Ž	.000975	.000975	0	%100 %100
19	K1	X Z	000301	000301	0	%100 %100
20	K1	Z	.000521	.000521	0	%100 %100
21	K2	X	000321	000301	0	%100 %100
22	K2	Z	.000521	.000521	0	%100 %100
23	K3	X	000321	000321	0	%100 %100
24	K3	Z	.000521	.000521	0	
25	CB1	X	000321	000199	0	%100 %100
26	CB1	Z	.000344	.000199		
27	CB2	X	000199	000344	0	%100
28	CB2	Z	.000344	.000199	0	%100 %400
29	CB3	X	000199	000344	0	<u>%100</u>
30	CB3	Z			0	%100
31	G1	X	.000344 000121	.000344	0	%100
32	G1			000121	0	%100
33	G2	Z	.000209	.000209	0	%100
34	G2 G2	X	000121	000121	0	%100
35	G2	Z	.000209	.000209	0	%100
36	G3	X Z	000121	000121	0	<u>%100</u>
37	G3	X X	.000209	.000209	0	<u>%100</u>
38	G4	Z	000121	000121	0	%100
			.000209	.000209	0	<u>%100</u>
<u>39</u> 40	<u>G5</u>	X	000121	000121	0	%100
-	G5	<u>Z</u>	.000209	.000209	0	%100
41	<u>G6</u>	X	000121	000121	0	%100
42	G6	Z	.000209	.000209	0	%100
43	<u>C1</u>	X	000501	000501	0	%100
44	<u>C1</u>	Z	.000868	.000868	0	%100
45	C2	X	000501	000501	0	%100
46	C2	Z	.000868	.000868	0	%100
47	C3	X	000501	000501	0	%100
48	<u>C3</u>	Z	.000868	.000868	0	%100
49	PMC1	X	000269	000269	0	%100
50	PMC1	Z	.000466	.000466	0	%100
51	PMC2	X Z	000269	000269	0	%100
52	PMC2	<u>Z</u>	.000466	.000466	0	%100
53	PMC3	X	000269	000269	0	%100
54	PMC3	Z	.000466	.000466	0	%100
55	PMC4	X	000269	000269	0	%100
56	PMC4	Z	.000466	.000466	0	%100
57	HRC	X	00017	00017	0	%100
58	HRC	Z	.000295	.000295	0	%100
59	HC	X	000346	000346	0 !	%100
60	HC	Z	.000599	.000599	0	%100



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Designer : DDC
Job Number : PR-001915
Model Name : 806454-NHV 112 948129

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### Member Distributed Loads (BLC 127 : Earthquake 210 Deg) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
61	PMB1	Χ	000269	000269	0	%100
62	PMB1	Z	.000466	.000466	0	%100
63	PMB2	X	000269	000269	0	%100
_64	PMB2	Z	.000466	.000466	0	%100
65	<u>PM</u> B3	X	000269	000269	0	%100
66	PMB3	Z	.000466	.000466	0	%100
67	PMB4	X	000269	000269	0	%100
- 68	PMB4	Z	.000466	.000466	0	%100
69	HRB	Х	00017	00017	0	%100
70	HRB	Z	.000295	.000295	0	%100
71	HB	X	000346	000346	0	%100
72	HB	Z	.000599	.000599	0	%100
73	PMA1	X	000269	000269	0	%100
74	PMA1	Z	.000466	.000466	0	%100
75	PMA2	X	000269	000269	0	%100
76	PMA2	Z	.000466	.000466	0	%100
77	PMA3	X	000269	000269	0	%100
78	PMA3	Z	.000466	.000466	0	%100
79	PMA4	Х	000269	000269	0	%100
80	PMA4	Z	.000466	.000466	0	%100
81	HRA	Χ	00017	00017	0	%100
82	HRA	Z	.000295	.000295	0	%100
83	HA	X	000346	000346	0	%100
84	HA	_ Z	.000599	.000599	0	%100

### Member Distributed Loads (BLC 128 : Earthquake 240 Deg)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
. 1	S1	X	000975	000975	0	%100
2	S1	Z	.000563	.000563	0	%100
3	S2	X	000975	000975	0	%100
4	S2	Z	.000563	.000563	0	%100
. 5	\$3	X	000975	000975	0	%100
6	S3	Z	.000563	.000563	0	%100
7	S4	X	000975	000975	0	%100
- 8	S4	Z	.000563	.000563	0	%100
9	<u>\$5</u>	X	000975	000975	0	%100
10	S5	Z	.000563	.000563	0	%100
11	<u>\$6</u>	Χ	000975	000975	0	%100
12	S6	Z	.000563	.000563	0	%100
13	S7	X	000975	000975	0	%100
14	<b>S7</b>	Z	.000563	.000563	0	%100
15	\$8	X	000975	000975	0	%100
16	Š8	Z	.000563	.000563	0	%100
17	S9	X	000975	000975	0	%100
18	\$9	. Z	.000563	.000563	0	%100
19	K1	X	000521	000521	0	%100
20	K1	. Z	.000301	.000301	0	%100
21	K2	X	000521	000521	0	%100
22	K2	Z	.000301	.000301	0	%100
23	K3	X	000521	000521	0	%100
24	К3	Z	.000301	.000301	0	%100



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: FDH Infrastructure Services, LLC

: DDC Job Number : PR-001915 Model Name : 806454-NH\

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#### Member Distributed Loads (BLC 128 : Earthquake 240 Deg) (Continued)

	Member Label	Direction		End Mannitude B. #4 F	-	F 11 6 F 2/3
25	CB1	X	000344	End Magnitude[k/ft,F		End Location[in,%]
26	CB1	Z	.000199	.000344	0	%100 %100
27	CB2	- Z	000344	000344	0	%100 %100
28	CB2	Z	.000199	.000344	0	%100 %100
29	CB3	X	000344	000344	0	%100 %100
30	CB3	Z	.000199	.000344	0	%100 %100
31	G1	X	000209	000209	0	%100 %100
32	G1	Z	.000203	.000209	0	%100 %100
33	G2	X	000209	000209	0	%100 %100
34	G2	Z	.000121	.000121	0	<u>%100</u>
35	G3	X	000209	000209	0	%100 %100
36	G3	Z	.000121	.000121	0	%100 %100
37	G4	X	000209	000209	0	%100 %100
38	G4	Z	.000121	.000121	0	%100 %100
39	G5	X	000209	000209	0	%100 %100
40	G5	Z	.000121	.000209	0	%100 %100
41	G6	<u> </u>	000209	000209	0	%100 %100
42	G6	Z	.000121	.000121	0	%100 %100
43	C1	X	- 000868	000868	0	%100 %100
44	C1	Ž	.000501	.000501	0	%100 %100
45	C2	X	000868	000868	0	%100 %100
46	C2	Ž	.000501	.000501	0	%100 %100
47	C3	X	000868	000868	0	%100 %100
48	C3	Ž	.000501	.000501	0	%100 %100
49	PMC1	X	000466	000466	, 0	%100 %100
50	PMC1	Z	.000269	.000269	0	%100 %100
51	PMC2	X	000466	000466	0	%100 %100
52	PMC2	Z	.000269	.000269	0	%100 %100
53	PMC3	X	000466	000466	0	%100
54	PMC3	Z	.000269	.000269	0	%100
55	PMC4	X	000466	000466	0	%100 %100
56	PMC4	Z	.000269	.000269	0	%100
57	HRC	X	000295	000295	0	%100
58	HRC	Z	.00017	.00017	0	%100
59	HC	Χ	000599	000599	0	%100
60	HC	Z	.000346	.000346	0	%100
61	PMB1	Х	000466	000466	0	%100
62	PMB1	Z	.000269	.000269	0	%100
63	PMB2	X	000466	000466	0	%100
64	PMB2	Z	.000269	.000269	0	%100
65	PMB3	Χ	000466	000466	0	%100
66	PMB3	Z	.000269	.000269	0	%100
67	PMB4	X	000466	000466	0	%100
68	PMB4	Ζ	.000269	.000269	0	%100
69	HRB	Χ	000295	000295	0	%100
_70	HRB	Z	.00017	.00017	0	%100
71	НВ	Х	000599	000599	0	%100
72	HB	Z	.000346	.000346	0	%100
73	PMA1	X	000466	000466	0	%100
74	PMA1	Z	.000269	.000269	0	%100
75	PMA2	X	000466	000466	0	%100
76	PMA2	Z	.000269	.000269	0	%100



Company Designer : DDC Job Number : PR-001915

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Model Name : 806454-NHV 112 948129

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Member Distributed Loads (BLC 128 : Earthquake 240 Deg) (Continued)

,	Member Label	Direction	Start Magnitude [k/ft,	_ End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
77	PMA3	X	000466	000466	0	%100
78	PMA3	Z	.000269	.000269	0	%100
79	PMA4	X	000466	000466	0	%100
80	PMA4	Z	.000269	.000269	0	%100
81	HRA	Χ	000295	000295	0	%100
82	HRA	Z	.00017	.00017	0	%100
83	HA	Х	000599	000599	0	%100
84	HA	Z	.000346	.000346	0	%100

Member Distributed Loads (BLC 129 : Earthquake 270 Deg)

	Bilanaha at ahat	D'	04-414-34-1-0			
1	Member Label S 1	Direction X		End Magnitude[k/ft,F		End Location[in,%]
2	\$2	X	001 001	001	0	%100
3				001	0	%100
4		X	001	001	0	%100
	<u>\$4</u>	X	001	001	0	%100
5	<u>\$5</u>	Х	001	001	0	%100
6	S6	X	001	001	0	%100
7	<u>\$7</u>	X	001	001	0	%100
8	<u>\$8</u>	<u> </u>	001	001	0	%100
9	<u> </u>	Χ	001	001	0	%100
10	K1	X	000601	000601	0	%100
11	K2	Χ	000601	000601	0	<u>%100</u>
12	K3	X	000601	000601	0	%100
13	CB1	X	000397	000397	0	<u>%10</u> 0
14	CB2	X	000397	000397	0	<u>%10</u> 0
_15	CB3	X	000397	000397	0	%100
16	G1	X	000241	000241	0	%100
17	G2	Χ	- 000241	000241	0	%100
18	G3	Χ	000241	000241	0	%100
19	G4	X	000241	000241	0	%100
20	G5	X	000241	000241	0	%100
21	G6	X	000241	000241	0	%100
22	C1	X	001	001	0	%100
23	C2	Χ	001	001	0	%100
24	C3	X	001	001	0	%100
25	PMC1	X	000538	000538	0	%100
26	PMC2	X	000538	000538	0	%100
27	PMC3	X	000538	000538	0	%100
28	PMC4	Χ	000538	000538	0	%100
29	HRC	Х	000341	000341	0	%100
30	HC	Χ	000691	000691	0	%100
31	PMB1	Х	000538	000538	0	%100
32	PMB2	Х	000538	000538	0	%100
_33	PMB3	X	000538	000538	0	%100
34	PMB4	X	000538	000538	0	%100
35	HRB	X	000341	000341	0	%100
36	НВ	X	000691	000691	0	%100
37	PMA1	X	000538	000538	0	%100 %100
38	PMA2	X	000538	000538	Ō	%100
39	PMA3	X	000538	000538	Ö	%100 %100
40	PMA4	X	000538	000538	0	%100



Company Des igner

: FDH Infrastructure Services, LLC

: DDC Job Number : PR-001915

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#### Member Distributed Loads (BLC 129 : Earthquake 270 Deg) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
41	HRA	X	000341	000341	0	%100
42	HA	Χ	000691	000691	0	%100

#### Member Distributed Loads (BLC 130 : Earthquake 300 Deg)

	Member Label	Direction	Start Magnitude [k/ft,.	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
1	S1	X	000975	000975	0	%100
2	S1	Z	000563	000563	0	%100
3	\$2	X	000975	000975	0	%100
4	\$2	Z	000563	000563	0	%100
5	\$3	Х	000975	000975	. 0	%100
6	S3	Z	000563	000563	0	%100
7	S4	Х	000975	000975	0	%100
- 8	\$4	Z	000563	000563	0	%100
. 9	\$5	X	000975	000975	0	%100
10	<b>\$</b> 5	Z	000563	000563	0	%100
11	S6	Х	000975	000975	0	%100
12	S6	Z	000563	000563	0	%100
13	S7	Х	000975	000975	0	%100
14	S7	Z	000563	000563	0	%100
15	S8	X	000975	000975	0	%100
16	S8	Z	000563	000563	0	%100
17	S9	X	000975	000975	0	%100
18	S9	Z	000563	000563	0	%100
19	K1	X	000521	000521	0	%100
20	K1	Z	000301	000301	0	%100
21	K2	Х	000521	000521	0	%100
. 22	K2	Z	000301	000301	0	%100
23	K3	X	000521	000521	0	%100
24	K3	Z	000301	000301	0	%100
25	CB1	Х	000344	000344	0	%100
26	CB1	Z	000199	000199	0	%100
27	CB2	X	000344	000344	0	%100
28	CB2	Z	000199	000199	0	%100
29	CB3	X	000344	000344	0	%100
30	CB3	Z	000199	000199	0	%100
31	G1	X	000209	000209	0	%100
32	G 1	Z	000121	000121	0	%100
33	G2	Х	000209	000209	0	%100
34	G2	Z	000121	000121	0	%100
35	G3	Х	000209	000209	0	%100
36	G3	Z	000121	000121	0	%100
37	G4	Х	000209	000209	0	%100
38	G4	Z	000121	000121	0	%100
39	G 5	Х	000209	000209	0	%100
40	G5	Z	000121	000121	0	%100
41	G6	X	000209	000209	0	%100
42	G6	Z	000121	000121	0	%100
43	C1	X	000868	000868	0	%100
44	C1	Z	000501	000501	0	%100
45	C2	X	000868	000868	0	%100
46	C2	Z	000501	000501	0	%100



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#### Member Distributed Loads (BLC 130 : Earthquake 300 Deg) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
47	C3	X	000868	000868	. 0	%100
48	C3	Z	000501	000501	0	%100
49	PMC1	X	000466	000466	0	%100
_ 50	PMC1	Z	000269	000269	0	%100
51	PMC2	X	000466	000466	0	%100
52	PMC2	Z	000269	000269	0	%100
53	PMC3	Х	000466	000466	0	%100
54	PMC3	Z	000269	000269	0	%100
55	PMC4	Х	000466	000466	0	%100
56	PMC4	Z	000269	000269	0	%100
57	HRC	X	000295	000295	0	%100
58	HRC	Z	00017	00017	0	%100
59	HC	Χ	000599	000599	0	%100
- 60	HC	Z	000346	000346	0	%100
61	PMB1	Х	000466	000466	0	%100
62	PMB1	Z	000269	000269	0	%100
63	PMB2	X	000466	000466	0	%100
64	PMB2	Z	000269	000269	0	%100
65	PMB3	Х	000466	000466	0	%100
66	PMB3	Z	000269	000269	0	%100
67	PMB4	Х	000466	000466	0	%100
68	PMB4	Z	000269	000269	0	%100
69	HRB	Χ	000295	000295	0	%100
70	HRB	Z	00017	00017	0	%100
71	НВ	Х	000599	000599	0	%100
72	НВ	Z	000346	000346	0	%100
73	PMA1	X	000466	000466	0	%100
74	PMA1	Z	000269	000269	0	%100
75	PMA2	X	000466	000466	0	%100
76	PMA2	Z	000269	000269	0	%100
77	PMA3	X	000466	000466	0	%100
78	PMA3	Z	- 000269	000269	0	%100
79	PMA4	Х	000466	000466	0	%100
80	PMA4	Z	000269	000269	0	%100
81	HRA	X	000295	000295	0	%100
82	HRA	Z	00017	00017	0	%100
83	HA	Х	000599	000599	0	%100
84	HA	Z	000346	000346	0	%100

#### Member Distributed Loads (BLC 131 : Earthquake 330 Deg)

	Member Label	Direction	Start Magnitude [k/ft,.	End Magnitude[k/ft,F	Start Location [in,%]	End Location[in,%]
1	<b>S1</b>	X	- 000563	000563	0	%100
2	S1	Z	000975	000975	0	%100
3	\$2	X	000563	000563	0	%100
. 4	S2	Z	000975	000975	0	%100
5	\$3	X	000563	000563	0	%100
6	\$3	Z	000975	000975	0	%100
7	S4	. X	000563	000563	0	%100
8	\$4	Z	000975	000975	0	. %100
9	<b>\$</b> 5	X	000563	000563	0 .	%100
10	S5	Z	000975	000975	0	%100



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Member Distributed Loads (BLC 131 : Earthquake 330 Deg) (Continued)

		440  220		330 Deg) (Conti		
	Member Label	Direction		. End Magnitude[k/ft,F	. Start Location [in,%]	End Location[in,%]
11	<u>\$6</u>	X	000563	000563	0	<u>%100</u>
12	<u>\$6</u>	Z	000975	000975	0	<u>%</u> 100
13	<u>\$7</u>	X	000563	000563	0	<u>%100</u>
14	<u>\$7</u>	Z	000975	000975	0	<u>%</u> 100
15	<u>\$8</u>	X	<u>-</u> .000563	000563	0	%100
16	S8	Z	000975	000975	0	%100
17	<u>\$9</u>	X	000563	000563	0	%100
18	S9	Z	000975	000975	0	%100
19	<u>K1</u>	X	000301	000301	0	%100
20	K1	Z	000521	<u>0</u> 00521	0	%100
21	K2	X	000301	000301	0	%100
22	K2	Z	000521	000521	0	%100
23	<u>K</u> 3	Х	000301	000301	0	%100
24	K3	Z	000521	000521	0	%100
25	CB1	X	000199	000199	0	%100
26	CB1	Z	000344	000344	0	%100
27	CB2_	X	000199	000199	0	%100
28	CB2	l Z	000344	000344	0	%100
29	CB3	X	000199	000199	0	%100
30	CB3	Z	000344	000344	0	%100
31	<u>G 1</u>	X	000121	000121	0	%100
32	<u>G1</u>	Z	000209	000209	0	%100
33	G2	Х	000121	000121	0	%100
34	G2	Z	000209	000209	0	%100
35	G3	X	000121	000121	0	%100
36	G3	Z	000209	000209	0	%100
37	<u>G4</u>	X	000121	000121	0	%100
38	G <u>4</u>	Z	000209	000209	0	%100
39	G5	X	000121	000121	0	%100
40	G 5	Z	000209	000209	0	%100
41	<u>G</u> 6	X	000121	000121	0	%100
42	G 6	Z	000209	000209	0	%100
43	C1	X	000501	000501	0	%100
44	C1	Z	000868	000868	0	%100
45	C2	X	000501	000501	0	%100
46	C2	Z	000868	000868	0	%100
47	C3	X	000501	000501	0	%100
48	C3	Z	000868	000868	0	%100
49	PMC1	X	000269	000269	0	%100
50	PMC1	Z	000466	000466	0	%100
51	PMC2	Х	000269	000269	0	%100
52	PMC2	Z	000466	000466	0	%100
53	PMC3	X	000269	000269	0	%100
54	PMC3	Z	000466	000466	0	%100
55	PMC4	X	000269	000269	0	%100
56	PMC4	Z	000466	000466	0	%100
57	HRC	X	00017	00017	0	%100
58	HRC	Z	000295	000295	0	%100
59	HC HC	X	000346	000346	0	%100
_60	HC	Z	000599	000599	0	%100
61	PMB1	Х	000269	000269	0	%100
62	PMB1	Z	000466	000466	0	%100



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Member Distributed Loads (BLC 131 : Earthquake 330 Deg) (Continued)

	Member Label	Direction	Start Magnitude [k/ft,	. End Magnitude[k/ft,F	. Start Location[in,%]	End Location[in,%]
63	PMB2	X	000269	000269	0	%100
64	PMB2	Z	000466	000466	0	%100
65	PMB3	X	000269	000269	0	%100
66	PMB3	Z	000466	000466	0	%100
67	PMB4	X	000269	000269	0	%100
68	PMB4	Z	000466	000466	0	%100
69	HRB	Х	00017	00017	0	%100
70	HRB	Z	000295	000295	0	%100
71	НВ	Χ	000346	000346	0	%100
72	НВ	Z	000599	000599	0	%100
73	PMA1	Х	000269	000269	0	%100
74	PMA1	Z	000466	000466	0	%100
75	PMA2	X	000269	000269	0	%100
76	PMA2	Z	000466	000466	0	%100
77	PMA3	Х	000269	000269	0	%100
78	PMA3	Z	000466	000466	0	%100
79	PMA4	Х	000269	000269	0	%100
80	PMA4	Z	000466	000466	0	%100
81	HRA	Х	00017	00017	0	%100
82	HRA	Z	000295	000295	0	%100
83	НА	Х	000346	000346	0	%100
84	HA	Z	000599	000599	0	%100

#### Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	P oint	Distributed Area(Me	Surface/P
1	Wind 0 Deg - No Ice	None			l classes	00.112	42	43	TOOLI III
2	Wind 30 Deg - No Ice	None					88	84	
3	Wind 60 Deg - No Ice	None					84	86	!
4	Wind 90 Deg - No Ice	None					44	42	
5	Wind 120 Deg - No Ice	None					84	86	
6	Wind 150 Deg - No Ice	None					88	84	
7	Wind 180 Deg - No Ice	None					42	43	
8	Wind 210 Deg - No Ice	None					88	84	
_ 9	Wind 240 Deg - No Ice	None					84	86	
10	Wind 270 Deg - No Ice	None					44	42	
. 11	Wind 300 Deg - No Ice	None					84	86	
12	Wind 330 Deg - No Ice	None					88	84	
13	Wind 0 Deg - Ice	None				,	42	43	
14	Wind 30 Deg - Ice	None					88	84	
_15	Wind 60 Deg - Ice	None					84	86	
16	Wind 90 Deg - Ice	None					44	42	
17	Wind 120 Deg - Ice	None		·			84	86	
_18	Wind 150 Deg - Ice	None					88	84	
_19	Wind 180 Deg - Ice	None					42	43	
20	Wind 210 Deg - Ice	None					88	84	
21	Wind 240 Deg - Ice	None			:		84	86	:
22	Wind 270 Deg - Ice	None					44	42	
23	Wind 300 Deg - Ice	None					84	86	
24	Wind 330 Deg - Ice	None					88	84	
25	Wind 0 Deg - Mainten	None					42	43	



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#### Basic Load Cases (Continued)

	ic Luad Cases (CC	manaeu)								
	BLC Description	Category	X Gravity	Y Gravity	Z G ravity	Joint	Point	Distributed	Area (Me	Surface(P.,
26	Wind 30 Deg - Mainte	None		1			88	84	,	,
27	Wind 60 Deg - Mainte	None		·			84	86		1
28	Wind 90 Deg - Mainte	None					44	42		
29	Wind 120 Deg - Maint	None	:	!			84	86		
30	Wind 150 Deg - Maint	None	1				88	84		
31	Wind 180 Deg - Maint	None					42	43		+
32	Wind 210 Deg - Maint	None					88	84		1
33	Wind 240 Deg - Maint	None			1		84	86		+
34	Wind 270 Deg - Maint.	None	· j				44	42		
35	Wind 300 Deg - Maint	None					84	86		
36	Wind 330 Deg - Maint	None	<del>-</del>				88	84		+
37	Dead	None		-1	J		44	07		
38	Dead - Ice	None	<u> </u>	- 1			44	42		
39	Maint. Pipe Load 1	None	1			l	44	42		1
40	Maint. Pipe Load 2	None	1				<u> </u>	ı		<del> </del>
41	Maint. Pipe Load 3	None	-			<b></b>		Į.		+
	Maint. Pipe Load 4		<u> </u>				1	<u> </u>		
42		None		L			<u>                                     </u>	1		<del>                                     </del>
43	Maint, Pipe Load 5	None	<del></del>				1			<u> </u>
44	Maint. Pipe Load 6	None					1			
	Maint. Pipe Load 7	None			; 		1	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
46	Maint. Pipe Load 8	None					1			
47	Maint. Pipe Load 9	None					1	1		-
48	Maint. Pipe Load 10	None					1	ļ		
49	Maint. Pipe Load 11	None	:			:	<u>   1                                 </u>			
50	Maint. Pipe Load 12	None					1			
51	Maint, Horz, Load 1	None		· · · · · · · · · · · · · · · · · · ·		:	1			
52	Maint, Horz, Load 2	None					11			
53	Maint. Horz. Load 3	None	· .				1			
54	Maint. Horz. Load 4	None					1			
55	Maint. Horz. Load 5	None	:				1			
56	Maint. Horz. Load 6	None					1			
57	Maint. Horz. Load 7	None				•	1			!
58	Maint, Horz, Load 8	None					1			
59	Maint. Horz. Load 9	None					1	1		
60	Maint. Horz, Load 10	None					1			
61	Maint. Horz. Load 11	None					1			<u> </u>
62	Maint. Horz. Load 12	None			İ		1			
63	Maint, Horz, Load 13	None	-				1	-		+
64	Maint. Horz. Load 14	None		i			1	1		
65	Maint, Horz, Load 15	None					<u> </u>	1		
66	Maint. Horz. Load 16	None	[		T		<del>- i</del> -			i
67	Maint, Horz, Load 17	None	!				1		•	
68	Maint, Horz, Load 18	None					4			
69	Maint. Horz. Load 19	None								<del></del>
70	Maint. Horz. Load 20		i	i		· I	1			i
	Maint, Horz, Load 21	None					<u> </u>	<u> </u>		1
71	Maint. Horz. Load 21	None			· · · · · · · · · · · · · · · · · · ·		I	1		<del>;                                    </del>
72	<del></del>	None	<u> </u>				1	1		<del>                                     </del>
73	Maint, Horz, Load 23	None	1	!	Г		1	, i		<u> </u>
74	Maint. Horz. Load 24	None	<u>.                                    </u>				1			
75	Maint. Horz. Load 25	None	1				1			<u> </u>
76	Maint. Horz, Load 26	None	1				1		•	
77	Maint. Horz. Load 27	None				i	1	i		<u> </u>
	·									



Company Designer

: FDH Infrastructure Services, LLC

Designer : DDC Job Number : PR-001915

Model Name : 806454-NHV 112 948129

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Basic Load Cases (Continued)

<u> </u>	ic Load Cases (C	onanueu)							
	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(M	Ae Surface(P
78	Maint, Horz, Load 28	None	1	1			1		Carla 30(1
79	Maint. Horz. Load 29	None	-				1	ļ	!
80	Maint, Horz, Load 30	None	1				1	<del>-</del>	<u> </u>
81	Maint, Horz, Load 31	None			1		1	-	
82	Maint, Horz, Load 32	None				-	1 -		
83	Maint, Horz, Load 33	None					1 1		
84	Maint. Horz. Load 34	None	·		i -		1 4	<del> </del>	
85	Maint. Horz. Load 35	None	-		1		1	i	
86	Maint. Horz. Load 36						1		
87	Maint, Horz, Load 37	None	İ				1		
_	Maint. Horz. Load 38	None	i	-			1	<u> </u>	<u> </u>
88	Maint. Horz. Load 39	None					1		
89	·	None					1	<u> </u>	
90	Maint. Horz. Load 40	None					1		
91	Maint, Horz, Load 41	None	·				1		
92	Maint. Horz. Load 42	None					1		
93	Maint. Horz. Load 43	None	<u> </u>		!		11		
94	Maint. Horz. Load 44	None					1		
95	Maint. Horz. Load 45	None			i		1	i i	
96	Maint. Horz, Load 46	None					1		
97	Maint. Horz. Load 47	None					1		
_98	Maint. Horz. Load 48	None			,		1		
99	Maint, Horz, Load 49	None					1		
100	Maint. Horz. Load 50	None				****	1		
101	Maint. Horz. Load 51	None			<u>-</u>		1	-	
102	Maint. Horz. Load 52	None			ľ		1	""	
103	Maint. Horz. Load 53	None	-		. !		1	!	
104	Maint. Horz. Load 54	None				1	1		<u> </u>
105	Maint. Horz. Load 55	None			-	1	1		
106	Maint. Horz, Load 56	None	İ				<del> i</del>		
107	Maint, Horz, Load 57	None			1		<u>-</u>		
108	Maint, Horz, Load 58	None					1	i i	
109	Maint. Horz. Load 59	None					1	-	
110	Maint. Horz. Load 60	None				i	1		
111	Maint. Horz. Load 61	None		1			1	ļ	
112	Maint. Horz. Load 62	None			·		1	i i	<u> </u>
113	Maint. Horz. Load 63	None					1	<u> </u>	
114	Maint, Horz, Load 64			<del></del>		·-·	1		
115	Maint. Horz. Load 65	None					1		
		None	<del>-</del>				1	ļ .	
116	Maint. Horz. Load 66   Maint. Horz. Load 67	None					1		
117		None		<del>-</del>			1	<u> </u>	
118	Maint, Horz, Load 68	None					11		
119		None	· · ·				1		
	Earthquake 0 Deg	None					44	42	
121	Earthquake 30 Deg	None			<u> </u>		88	84	
122	Earthquake 60 Deg	None					88	84	
123	Earthquake 90 Deg	None			:		44	42	
124	Earthquake 120 Deg	None					88	84	
125	Earthquake 150 Deg	None				<u>:</u>	88	84	
126	Earthquake 180 Deg	None					44	42	
127	Earthquake 210 Deg	None	· · · · · · · · · · · · · · · · · · ·	:			88	84	
128	Earthquake 240 Deg	None					88	84	
129	Earthquake 270 Deg	None					44	42	



Company : FDH Infrastr Designer : DDC Job Number : PR-001915

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Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z G ravity	Joint	Point	Distributed	Surface(P
130	Earthquake 300 Deg	None					88	84	 ,
. 131	Earthquake 330 Deg	None					88	84	

#### Load Combinations

	Description	9 0 9	2 D	En B	E a	ь	Ea	D E	, D	Εa	D	Fa [		- D	F۵	D	C		E.
1	1.2 Dead + 1.0 Wind 0 deg	SPS		1.2 1		.,D.,,	.га		Jb.	<u>га.</u>	d	<u>га.,.</u>	)F	ab	га.		<u>га</u>	.B	ra
2	1.2 Dead + 1.0 Wind 30 deg	ΥΥ		1.2 2		<del>†-</del>					Н		+	<u> </u>	+	İ	T	-	-
3	1.2 Dead + 1.0 Wind 60 deg	Υ. Υ		1.2 3		-	-						+	-	-	1	+		
4	1.2 Dead + 1.0 Wind 90 deg	Υ. Υ		1.2 4		+-	İ	H		$\top$			Ť	+	Ť	H	†	-	
5	1.2 Dead + 1.0 Wind 120 deg	ΥΥ		1.2 5		-		+ +	+	-				-		+	<del></del>		
- 6	1.2 Dead + 1.0 Wind 150 deg	Y Y		1.2 6					-i-	+	Н	i	÷		<del>-i</del>	i	Т		$\vdash$
7	1.2 Dead + 1.0 Wind 180 deg	Y. Y		1.2 7	1						H		+	+	+	<u>I.                                    </u>	-		!
8	1.2 Dead + 1.0 Wind 210 deg	ΥΥ		1.2 8	1			<del>                                     </del>		T	П	÷			i	i	<del>                                     </del>	H	
9	1.2 Dead + 1.0 Wind 240 deg	YY		1.2 9		!			+-	-			-						
. 10	1.2 Dead + 1.0 Wind 270 deg	ΥΥ	37	1.2 10	1				Ť		$\vdash$	Ť	-	$\neg$	i –	1	<u> </u>	σi	
11	1.2 Dead + 1.0 Wind 300 deg	ΥΥ		1.2 11		-!		<del></del>	-	1	<u> </u>		<u> </u>	$\dashv$	-	-	ببإ	-	
12	1.2 Dead + 1.0 Wind 330 deg	Υ. Υ		1.2 12	i —				-	i i	ΠÌ		-	_	1	i -			
13	1.2 Dead +1.0 Ice +1.0 Ice Wind 0 deg	ΥΥ		1.2 38		12	1	<u>.                                    </u>					-		-		Щ	_	
14	1.2 Dead +1.0 Ice + 1.0 Ice W ind 30 deg	Y. Y		1.2 38						1-			+	÷	-	Т	$\vdash$	$\pm$	-
15	1.2 Dead +1.0 Ice + 1.0 Ice W ind 60 deg	YY		1.238		14			<u> </u>	<del>!</del>	H			-	ļ			$\dashv$	
16	1.2 Dead +1.0 Ice + 1.0 Ice Wind 90 deg	ΥΥ		1.238		16			-	i			Ť	<del>- i-</del>	1	<u>.</u>		- 1	
17	1.2 Dead +1.0 Ice +1.0 Ice Wind 120 deg	Υ <b>Υ</b>		1.2 38		17				-	H		+				$\coprod$	_	
18	1.2 Dead +1.0 Ice +1.0 Ice Wind 150 deg	YY		1.238		_			_	i		Ť	+	-	†		<u> </u>	i	
19	1.2 Dead +1.0 Ice +1.0 Ice Wind 180 dea	ΥΥ		1.238		18				-	-	-			+			_	
20	1.2 Dead +1.0 Ice + 1.0 Ice W ind 210 deg	Υ. Υ				19				i –		<del></del>	-		1		<del>-                                    </del>		
21	1.2 Dead +1.0 Ice +1.0 Ice Wind 240 deg	Y Y		1.2 38		20						<u> </u>						_	
22	1.2 Dead +1.0 Ice + 1.0 Ice Wind 270 deg	YY		1.238		21				-		- i	÷	-	-	·	ΙΤ	$\dot{-}$	
23	1.2 Dead +1.0 Ice + 1.0 Ice Wind 300 deg	ΥΥ		1.238 1.238		22		_	-				-	+		<u> </u>		4	_
24	1.2 Dead +1.0 Ice + 1.0 Ice Wind 330 deg	YY		1.238		23		+				÷	÷	<del></del>	1				-i
25	1.4 Dead Only	Y Y	37			24	1 ]	_	-	<u> </u>		- 1	+	_!_	ļ	L		$\dashv$	
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.			1.239	1 5	25	4				$\dashv$	-	+		-			$\dashv$	$\neg$
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.			1.239					-		+	-		-	<u></u>		$\dashv$		
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.												<del></del>		T.				
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.			1.2 39 1.2 39					ļ		-	_	+.	_ _	-			+	
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.								i	: 	$\dashv$	Ť	<del>-</del>		1			$\dashv$	
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.			1.2 39							+		+						_
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.			1.2 <sup>39</sup> 1.2 <sup>39</sup>							<del></del>	1	-	<u> </u>	1			$\dashv$	-i
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.			1.2 39				+					+		1			4	
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.								•	,	-+		+	_	<u>.</u>		—	<u> </u>	$\overline{}$
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.			1.239									-		<u> </u>				_
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.			1.2 39				+	+		<del>- i</del>	-	+	_	T		$\dashv$		$\dashv$
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint.			1.2 39				-	-			_	-	4	<del> </del>	!		+	
	1.2 Dead +1.5 Maint. Pipe Load 1 +1.0 Maint			1.239 1.240				-		· 	+	-	1	<del> </del>	<del> </del>	-	<del>-</del>	$\dotplus$	$\neg$
	1.2 Dead + 1.5 Maint. Pipe Load 2 + 1.0 Maint.										+	-	4	+		-		$\perp$	
	1.2 Dead +1.5 Maint. Pipe Load 2 +1.0 Maint			1.240				+	+		F		-	<u> </u>	1		—т		_;
	1.2 Dead + 1.5 Maint. Pipe Load 2 + 1.0 Maint 1.2 Dead + 1.5 Maint. Pipe Load 2 + 1.0 Maint			1.2 40					$\perp$		+				<u> </u>			_	
	1.2 Dead + 1.5 Maint. Pipe Load 2 + 1.0 Maint 1.2 Dead + 1.5 Maint. Pipe Load 2 + 1.0 Maint			1.240				-				<u> </u>	1	÷	,		—	$\dot{-}$	$\neg$
	1.2 Dead + 1.5 Maint. Pipe Load 2 + 1.0 Maint 1.2 Dead + 1.5 Maint. Pipe Load 2 + 1.0 Maint			1.2 40								ļ	ì	_	$\Box$		_		_!
	1.2 Dead +1.5 Maint. Pipe Load 2 +1.0 Maint 1.2 Dead +1.5 Maint. Pipe Load 2 +1.0 Maint			1.240		_		-	+		÷		÷	·		į	$\dashv$	_	
	The state of the s			1.240				-	<b>ļ.</b> l		_		<u> </u>	<u> </u>	$\sqcup$			+	!
45	1.2 Dead +1.5 Maint. Pipe Load 2 +1.0 Maint	.т Ү	; <b>3</b> 7.′	1.2 40	1.5	<b>3</b> 2	1				-	- 1			<u> </u>	1			i



: FDH Infrastructure Services, LLC

Company : FDH Infrastructure Service
Designer : DDC
Job Number : PR-001915
Model Name : 806454-NHV 112 948129

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Description SPS	
46 1.2 Dead +1.5 Maint. Pipe Load 2 +1.0 Maint. Y. Y	SBFa
47 1.2 Dead +1.5 Maint. Pipe Load 2 +1.0 Maint. Y., Y	371.2401.534 1
48 1.2 Dead +1.5 Maint. Pipe Load 2 +1.0 Maint. Y. Y	371.2401.535 1
49 1.2 Dead +1.5 Maint. Pipe Load 2 +1.0 Maint. Y. Y	371.2401.536 1
50 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 Maint. Y. Y	371.2411.525 1
51 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 Maint. Y Y	
52 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 Maint. Y. Y	371.2411.526 1 371.2411.527 1
53 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 Maint. Y Y	
54 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 Maint. Y Y	371.2411.528 1
55 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 Maint. Y., Y	371.2411.529 1
56 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 Maint. Y Y	371.2411.530 1 371.2411.531 1
57 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 MaintY Y	
58 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 Maint. Y Y	371.2 41 1.5 32 1
59 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 Maint. Y Y	371.2 41 1.5 33 1
60 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 Maint. Y Y	371.2411.534 1
61 1.2 Dead +1.5 Maint. Pipe Load 3 +1.0 MaintYY	371.2411.535 1
62 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y. Y	371.2411.536 1
63 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y., Y	371.2 42 1.5 25  1
64 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y Y	371.2421.526 1
65 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y., Y	371.2421.527 1
66 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y Y	371.2 42 1.5 28 1
67 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y Y	371.2 42 1.5 29 1
68 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y Y	37/1.242/1.530 1
69 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y Y	371.2421.531 1
70 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y Y	371.2421.532 1
71 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y Y	371.2421.533 1
72 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y Y	371.2421.534 1
73 1.2 Dead +1.5 Maint. Pipe Load 4 +1.0 Maint. Y., Y	371.2421.535 1
74 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y Y	37.1.2 42 1.5 36  1
75 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y Y	371.2 431.5 25 1
76 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y Y	371.2431.526 1 371.2431.527 1
77 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y., Y	
78 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y Y	371.2 43 1.5 28  1
79 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y Y	371.2 431.5 29 1
80 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. YY	371.2431.530 1
81 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y., Y	371.2 431.5 31 1
82 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y. Y	371.2,431.5,32 1 371.2,431.5,33 1
83 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y Y	371.2431.533 1
84 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y., Y	371.2431.535 1
85 1.2 Dead +1.5 Maint. Pipe Load 5 +1.0 Maint. Y Y	
86 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y., Y	371.2 43 1.5 36 1  37 1.2 44 1.5 25 1
87 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 MaintY Y	371.2441.526.1
88 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y Y	371.2441.527 1
89 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y Y	371.2441.528 1
90 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y. Y	371.2441.529 1
91 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y. Y	371.2441.530 1
92 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y Y	371.2441.531 1
93 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y Y	371.2441.532 1
94 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y Y	371.2441.533 1
95 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y Y	371.2441.534 1
96 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y Y	371.2441.535 1
97 1.2 Dead +1.5 Maint. Pipe Load 6 +1.0 Maint. Y Y	37/1.2441.536 1
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: FDH Infrastructure Services, LLC : DDC

Company : FDH Infrastr Designer : DDC Job Number : PR-001915

Model Name : 806454-NHV 112 948129

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Description SP	SBFaE				.BF	al	3Fa.	B.	.Fa	В	.Fa	.B	Fa	.B ,.	.Fa	.B	<u>.Fa</u>
98 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y Y	37 1.2 4																
99 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Υ Υ	37 1.2 4	15 1.5	26	1			:										
100 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y Y	371.24	151.5	27	1													1
101 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y Y	371.24	15 1.5	28	1		T	:			i					:		
102 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y Y	371.24	15 1.5	29	1													
103 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y., Y	371.24		-						:								
104 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y. Y	371.24																
105 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y Y	371.24					_			!	_	-				<del>!                                    </del>		
106 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y. Y	371.24					Ť	i	Τ								H	
107 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y. Y	371.24				-	+									H	$\vdash$	$\vdash$
108 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y. Y	371.24				Ť	Ť	i				Γ					Н	$\vdash$
109 1.2 Dead +1.5 Maint. Pipe Load 7 +1.0 Maint. Y Y	371.24				-	+	i					.			H		H
110 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint. Y., Y	371.24							$\vdash$									
111 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint., Y., Y	371.24					+									-		ᆜ
112 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint. Y Y	371.24				$\pm$	1	<del>-</del>	┼							-		-
113 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint. Y Y	371.24				-			┼							$\vdash$		
114 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint. Y. Y					÷	Ť		-						-	-		i i
115 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint. Y Y	371.24				<b></b>	_	+									$\dashv$	-
116 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint. Y Y	371.24				-	$\dashv$	<u> </u>	1		. 1						-	
The state of the s	371.24				_		Ļ						.				$\vdash$
117 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint. YY	371.24				_			1	-	!			!	- 1		$\dashv$	-
118 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint. Y. Y	371.24					_		<u> </u>					_			_	
119 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 MaintYY	371.24					_	<u> </u>	<del></del>		_		- 1			<del></del>	<u> </u>	
120 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint. Y Y	37 1.2 4				$\perp$	_	-			- 1							
121 1.2 Dead +1.5 Maint. Pipe Load 8 +1.0 Maint. Y Y	371.24					-				- 1		- !	<u> </u>				
122 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 Maint. Y Y	37 1.2 4																
123 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 MaintY Y	37 1.2 4						-									!	
124 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 Maint. Y Y	371.24																
125 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 Maint. Y Y	37 1.2 4	7 1.5	28	1	:							į					
126 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 Maint. Y Y	37 1.2 4																
127 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 Maint. Y Y	37 1.2 4	7 1.5	30	1		i							i	,			
128 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 Maint. Y. Y	37 1.2 4	7 1.5	31	1													
129 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 MaintY Y	371.24	71.5	32	1							i				Ī		
130 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 Maint. Y Y	371.24	71.5	33	1									Ì				
131 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 Maint. Y Y	371.24	71.5	34	1		•			:	-						$\neg$	
132 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 MaintYY	37 1.2 4											Ì			$\neg$	T	
133 1.2 Dead +1.5 Maint. Pipe Load 9 +1.0 MaintY, Y	371.24											1	<u> </u>			-+	
134 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 Mai Y Y	37 1.2 4									i	Ī						$\neg$
135 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 Mai Y Y	371.24				<del></del>					i			_	+		十	
136 1.2 Dead +1.5 Maint. Pipe Load 10 +1.0 MaiYY	371.24					-		İ		T				$\dashv$	$\neg$	$\top$	$\neg$
137 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 MaiYY	371.24					-	-!	!!				-	-	-	-	+	
138 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 MaiYY	371.24			-	Ť	t	İ				1		Ť		$\neg$	Ť	
139 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 Mai Y Y	371.248				-							1			-	-	
140 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 MaiYY	371.24					T	i	<del>                                     </del>	<del>- i</del>	-		$-\dagger$	$\dashv$	$\dashv$	-	+	-
141 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 MaiYY	371.24				-		-	<u></u>			+	+	-	-	-	-	
142 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 Mai Y Y	371.248					Ť	<del>†</del>		i	+		$\dashv$		+	-	$\dashv$	$\dashv$
143 1.2 Dead +1.5 Maint. Pipe Load 10 +1.0 MaiYY	371.248			-			<u> </u>	l			-	1_	+	+			$\dashv$
144 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 Mai Y Y	371.246						1		-	-	+	+		+	<del>-</del>	+	$\dashv$
145 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 Mai Y Y						ļ			+	+	+	+			-+	+	
146 1.2 Dead +1.5 Maint. Pipe Load 10 + 1.0 Mai Y Y	371.248				-	_			<del></del>	+	- i	$\dashv$		-	$\dashv$	+	
146 1.2 Dead + 1.5 Maint. Pipe Load 11 + 1.0 Mai Y Y	371.249					+	+			_	1		_	-			
	371.249				_					-	i	+	-	_		·	_
148 1.2 Dead +1.5 Maint. Pipe Load 11 + 1.0 Mai Y Y	371.249				+	$\perp$	1	_			_	_	_	Ц.		_	
149 1.2 Dead +1.5 Maint. Pipe Load 11 + 1.0 Mai Y Y	371.249	9/1.5	28	1					i	- 1		<u> </u>		i		_L	



Company : FDH Infrastructure Services, LLC
Designer : DDC
Job Number : PR-001915
Model Name : 806454-NHV 112 948129

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Load Combinations (Continued)	
Description SPS	SBFaBFaBFaBFaBFaBFaBFaBFaBFaBFaB
150 1.2 Dead +1.5 Maint. Pipe Load 11 + 1.0 MaiYY	371.2491.529 1
151 1.2 Dead +1.5 Maint. Pipe Load 11 + 1.0 MaiYY	371.2491.5 30 1
152 1.2 Dead +1.5 Maint. Pipe Load 11 + 1.0 MaiYY	371.2491.531 1
153 1.2 Dead +1.5 Maint. Pipe Load 11 + 1.0 MaiYY	371.2491.532 1
154 1.2 Dead +1.5 Maint. Pipe Load 11 + 1.0 Mai Y Y	371.2491.533 1
155 1.2 Dead +1.5 Maint. Pipe Load 11 + 1.0 MaiYY	371.2491.534 1
156 1.2 Dead +1.5 Maint. Pipe Load 11 + 1.0 MaiYY	371.2491.535 1
157 1.2 Dead +1.5 Maint. Pipe Load 11 + 1.0 MaiYY	371.2491.536 1
158 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 MaiYY	371.2501.525 1
159 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 MaiYY	371.2501.526 1
160 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 MaiYY	37 1.2 50 1.5 27  1
161 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 MaiY Y	37 1.2 50 1.5 28 1
162 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 Mai Y Y	371.2501.529 1
163 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 Mai Y Y	37 1.2 50 1.5 30 1
164 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 Mai Y Y	37 1.2 50 1.5 31  1
165 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 MaiYY	37 1.2 50 1.5 32  1
166 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 Mai Y Y	371.2501.533 1
167 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 Mai Y Y	371.2501.534 1
168 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 Mai Y Y	371.2501.535 1
169 1.2 Dead +1.5 Maint. Pipe Load 12 + 1.0 MaiY Y	37.1.2 50 1.5 36 1
170   1.2 Dead + 1.5 Maint. Horz. Load 1   Y Y	37 1.2 51 1.5
171 1.2 Dead + 1.5 Maint. Horz. Load 2 Y Y	37 1.2 52 1.5
172 1.2 Dead + 1.5 Maint. Horz. Load 3 Y Y	37 1.2 53 1.5
173 1.2 Dead + 1.5 Maint. Horz. Load 4 Y Y	37 1.2 54 1.5
174 1.2 Dead + 1.5 Maint, Horz, Load 5 Y. Y	37 1.2 55 1.5
175 1.2 Dead + 1.5 Maint. Horz. Load 6 Y Y	371.2561.5
176 1.2 Dead + 1.5 Maint. Horz. Load 7 Y Y	371.2571.5
177 1.2 Dead + 1.5 Maint. Horz. Load 8 Y Y	371.2581.5
178 1.2 Dead + 1.5 Maint. Horz. Load 9 Y. Y	371.2591.5
179 1.2 Dead + 1.5 Maint. Horz. Load 10 YY	371.2601.5
180 1.2 Dead + 1.5 Maint. Horz. Load 11 Y. Y	37 1.2 61 1.5
181 1.2 Dead + 1.5 Maint. Horz. Load 12 Y Y	371.2621.5
182   1.2 Dead + 1.5 Maint. Horz. Load 13   Y Y	371.2631.5
183 1.2 Dead + 1.5 Maint. Horz. Load 14 Y. Y	371.2641.5
184 1.2 Dead + 1.5 Maint. Horz. Load 15 Y. Y	371.2651.5
185 1.2 Dead + 1.5 Maint. Horz. Load 16 Y. Y	371.2661.5
186   1.2 Dead + 1.5 Maint. Horz. Load 17   Y Y   187   1.2 Dead + 1.5 Maint. Horz. Load 18   Y Y	371.2671.5
	371.2681.5
188 1.2 Dead + 1.5 Maint. Horz. Load 19 YY	371.2691.5
190 1.2 Dead + 1.5 Maint. Horz. Load 20 7 Y	371.2701.5
191 1.2 Dead + 1.5 Maint. Horz. Load 22 YY	371.2711.5
192 1.2 Dead + 1.5 Maint. Horz. Load 23 YY	371.2/72/1.5
193 1.2 Dead + 1.5 Maint. Horz. Load 25 1 Y	371.2 731.5
194 1.2 Dead + 1.5 Maint. Horz. Load 25 Y. Y	371.2741.5
195 1.2 Dead + 1.5 Maint. Horz. Load 25 7 Y	37 1.2 75 1.5    37 1.2 76 1.5
196 1.2 Dead + 1.5 Maint, Horz. Load 27 Y Y	371.2771.5
197 1.2 Dead + 1.5 Maint. Horz. Load 27 1 Y	371.2 711.5
198 1.2 Dead + 1.5 Maint. Horz. Load 29 Y Y	371.2791.5
199 1.2 Dead + 1.5 Maint. Horz. Load 30 Y Y	371.2801.5
200 1.2 Dead + 1.5 Maint. Horz. Load 31 YY	371.2811.5
201 1.2 Dead + 1.5 Maint. Horz. Load 32 Y-Y	371.2.821.5
	V111.64.V641.V



: FDH Infrastructure Services, LLC

Company : FDH Infrastructure Service
Designer : DDC
Job Number : PR-001915
Model Name : 806454-NHV 112 948129

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Des cription	S P S	SBFa	B Fa	RI	Fa R	Fa	B	Fa	В	Fa	В	Fэ	В	E o	R	E۵	Ω.	Ea
202   1.2 Dead + 1.5 Maint. Horz. Load 33	Y. Y	371.2			GD	<b>u</b>		u.,	 	ı a	٠	1 a	<u>,,,</u>	i a		.ı a	ט	
203 1.2 Dead + 1.5 Maint. Horz. Load 34					- !	-			-		_!							-
204 1.2 Dead + 1.5 Maint. Horz. Load 35		371.2				İ	<u> </u>		İ	İ								$\neg i$
205 1.2 Dead + 1.5 Maint. Horz. Load 36							Н.								i			
206 1.2 Dead + 1.5 Maint. Horz. Load 37		371.2				"					ı		-					
207   1.2 Dead + 1.5 Maint. Horz. Load 38		371.2													!			$\neg$
208 1.2 Dead + 1.5 Maint. Horz. Load 39		371.2														Ì		
209 1.2 Dead + 1.5 Maint. Horz, Load 40		371.2	901.5														-"	
210 1.2 Dead + 1.5 Maint. Horz. Load 41		371.2																
211 1.2 Dead + 1.5 Maint. Horz. Load 42		37 1.2	92 1.5		i_			i	- !				i					
212 1.2 Dead + 1.5 Maint. Horz. Load 43		371.2	931.5												Ü			
213 1.2 Dead + 1.5 Maint. Horz. Load 44		371.2			<u> </u>	!					:							
214 1.2 Dead + 1.5 Maint. Horz. Load 45		371.2										i						
215 1.2 Dead + 1.5 Maint. Horz. Load 46		37 1.2							·									i
216 1.2 Dead + 1.5 Maint. Horz. Load 47		371.2			ļ													
217 1.2 Dead + 1.5 Maint. Horz. Load 48		37 1.2			· · ·			!										
218   1.2 Dead + 1.5 Maint. Horz. Load 49		371.2							_									
219 1.2 Dead + 1.5 Maint. Horz. Load 50		371.2							_							_		_
220 1.2 Dead + 1.5 Maint. Horz. Load 51		371.2		_														
221 1.2 Dead + 1.5 Maint. Horz. Load 52		371.2					- 1	- 1				- 1			- 1		<u> </u>	_
222 1.2 Dead + 1.5 Maint. Horz. Load 53		371.2					_		_	_		_						_
223 1.2 Dead + 1.5 Maint. Horz. Load 54		371.2				!	-			:	<u> </u>	$\dashv$	ij			_		_
224 1.2 Dead + 1.5 Maint. Horz. Load 55		371.2				<u>i                                    </u>			4		_	_	-	_			_	_
225 1.2 Dead + 1.5 Maint. Horz. Load 56		371.2			-	T1		-	+		-		-					
226 1.2 Dead + 1.5 Maint. Horz. Load 57 227 1.2 Dead + 1.5 Maint. Horz. Load 58		371.2				-							_			_	-	
228 1.2 Dead + 1.5 Maint. Horz. Load 59		371.2				-	$\rightarrow$		- 1	- i-		-	1		i			$\dashv$
229 1.2 Dead + 1.5 Maint. Horz. Load 60		371.2				<u> </u>	_			-	-			_	_			_
230 1.2 Dead + 1.5 Maint. Horz. Load 61		37 1.2 37 1.2				ÌТ	·		<del>-i</del> -			-	Ť		-+	-	$\dashv$	$\dashv$
231 1.2 Dead + 1.5 Maint. Horz. Load 62		371.2		+	<u> </u>	-	_		_			-						$\dashv$
232 1.2 Dead + 1.5 Maint. Horz. Load 63		371.2		÷	-	1	÷	i	<del>-</del>		+	$\dashv$	Ť	$\dashv$		+	<u> </u>	$\dashv$
233 1.2 Dead + 1.5 Maint. Horz. Load 64		371.2		1_	-			-	+	+		_ !	$\dashv$	_				_
234 1.2 Dead + 1.5 Maint. Horz. Load 65		371.2					Ť		Ť		-	+		$\dashv$		$\dashv$	+	$\dashv$
235 1.2 Dead + 1.5 Maint. Horz. Load 66		371.2			- 1		+		!_	+		+		-	+	-	+	$\dashv$
236 1.2 Dead + 1.5 Maint. Horz. Load 67		371.2		$\dashv$		İΤ		Ť	-	İ	+	T	Ť	Ť	$\dashv$	+	Ť	-
237 1.2 Dead + 1.5 Maint. Horz. Load 68		371.2		+					+		+		-	+	_	+	$\dashv$	
238 1.2 Dead + 1.5 Maint. Horz. Load 69		371.2		Ť	1	<del>                                     </del>	Ť		Ť	+	Ť	1						
239 1.2 Dead + 1.0 Earthquake 0 deg		371.2		-	-!-	<u> </u>	L	-			+	-	_			+		
240 1.2 Dead + 1.0 Earthquake 30 deg		371.2		Ť	<u> </u>	<u> </u>	$\top$		i	-	Ť		Ť	T	$\dashv$	Ť	+	$\neg$
	ΥΥ	371.2		-			-	$\top$		+	+			1		+	$\top$	
	ΥΥ	371.2		Ť		H					1			1	-		$\dashv$	-
	ΥΥ	371.2					-	- + i					-	+		+		$\dashv$
	ΥΥ	371.2						1	_	Ť		Ť					F	
245 1.2 Dead + 1.0 Earthquake 180 deg	Y, Y	371.2	1 1	-						+	-	+	$\top$	_	+		$\dagger$	$\dashv$
246 1.2 Dead + 1.0 Earthquake 210 deg	Υ Υ	371.2									Ī	$\top$	+	_			$\dagger$	$\neg$
	ΥΥ	371.2	1 1	-							T	-!		- !	i			!
248   1.2 Dead + 1.0 Earthquake 270 deg	ΥΥ	371.2								İ	Ť				$\top$		Ť.	
	ΥΥ	371.2	1 1		i												1	
250 1.2 Dead + 1.0 Earthquake 330 deg	Υ Υ	371.2	1 1									_ ļ						
					_	_	_											



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Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	10
1	6	max	.061	10	2.34	13	1.173	7	.071	13	.112	4	<u>wi2 [k-it]</u> .069	LC 4
2		min	058	4	713	7	-3.694	13	002	7	122			4
3	E					1 (				/		10	- 076	10
3	5	max	.948	3	2.427	21	1.91	21	.042	12	.097	<sup>!</sup> 12 ¦	015	6
4		min	3.323	21	665	3	5 <u>41</u>	3	075	6	117	6	06	24
_ 5	4	max	3.101	17	2.274	17	1.797	17	.046	2	.084	8	.071	15
6		min	-1.092	11	769	11	627	11	058	8	103	2	007	12
7	3	⊹max	1.565	10	1.026	17	5.539	1	1.115	14	1.628	4	.488	4
_ 8		min	-1.572	4	.215	11	-3.387	7	.148	8	-1.615	10	478	107
9	2	max	4.903	9	1.146	13	1.768	2	.326	1	1.675	12	089	5
10		min	-2.945	3	.211	7	-2.882	8	742	152	-1.657	6	-1.134	24
11	1	max	2.88	11	1.09	21	2.281	12	.221	2	1.586	8	895	16
. 12		min	-4.509	5	.204	3	-3.234	6	926	20	-1.571	2	034	10
13	Totals:	max	5.403	10	9.084	22	5.455	1					<u></u> ;	
14		min	-5.403	4	3.366	4	-5.455	7					·	

Envelope Joint Displacements

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [	LC	Y Rotation I	LC	7 Rotation I	LC
1	(0,0,0)	max	0	250	0	250	0	250	0	250		250		250
2		min	0	1	0	1	0	1	0	1	0	1	0	1
- 3	3	max	0	250	0	250	0	250	0	250	0	250		250
4		min	0	1	0	1	0	1	0	1	0	1	0	1
5	N3	max	.011	4	0	7	0	7	2.489e-4	7	5.217e-4	10	7.352e-4	107
6		min	011	10	008	14	001	1	-5.414e-4	1	-5.299e-4	<del></del>	-7.515e-4	
7	N4	max	.026	4	.013	7	.003	7	6.43e-4	7	2.531e-4	10	1.422e-3	119
_8_		min	026	10	031	1	004	1	-1.397e-3	1	-2.61e-4	4	-2.02e-3	29
9	N5	max	.011	4	.015	6	.01	9	3.06e-3	5	6.699e-4	7	2.39e-3	109
10		min	011	10	055	109	011	3	-3.232e-3	11	-6.495e-4	1	-5.226e-4	
11	N6	max	.011	4	.018	6	.015	6	3.819e-3	5	9.873e-5	12	9.49e-3	11
12		min	011	10	071	109	015	12	-3.959e-3	11	-1.235e-4	6	-8.551e-3	-,
13	N7	max	.011	4	.012	10	.012	8	2.628e-3	9	7.738e-4	2	4.5e-4	10
14		min	011	10	052	16	012	2	-3.31e-3	3	-8.201e-4	8	-2.307e-3	16
15	N8	max	.011	4	.015	10	.018	8	3.289e-3	9	6.58e-4	8	8.936e-3	9
16		min	011	10	068	16	018	2	-4.061e-3	3	-6.291e-4	2	-9.134e-3	
17	N9	max	.026	4	.018	6	.016	7	4.28e-3	4	5.354e-4	6	9.465e-3	10
18		min	026	10	035	121	016	1	-3.916e-3	10	-5.429e-4	12	-8.577e-3	
19	N 10	max	.026	4	.013	7	.005	7		203	1.29e-3	7	1.494e-3	119
20	-	min	026	10	029	1	006	1	-1.013e-3	11	-1.08e-3	1	-1.992e-3	·
21	N11	max	.026	4	.018	. 8	.016	. 7	5.214e-3	9	9.462e-4	2	8.664e-3	9
22	-	min	026	10	042	2	016	1	-4.587e-3	3	-9.93e-4	8	-9.898e-3	3
_23	N12	max	.026	4	.013	7	.005	7	1.156e-3	8	1.13e-3	1	1.384e-3	119
24		min	026	10	032	1	006	1	-1.425e-3	2	-1.308e-3	7	-2.1e-3	29
25	2	max	0	250	0	250	0	250	0	250	0	250	0	250
26		min	0	1	0	1	0	1	0	1	0	1	0	1
27	N 14	max	.005	6	0	3	.01	6	7.849e-4	7	5.09e-4	6	6.468e-4	96
28		min	006	12	009	21	009	12	-8.562e-4	1	-5.182e-4	12	-2.166e-4	5
29	N15	max	.012	6	.013	3	.022	6	1.617e-3	163	2.326e-4	10	2.025e-3	83
_30		min	013	12	031	9	021	12	-1.511e-3	<del></del>	-2.402e-4		-7.267e-4	4
31	N 16	max	.014	6	.019	2	.006	. 8	3.457e-3	7	6.066e-4	2	2.332e-3	7
32		min	015	12	053	153	006	2	-2.265e-3	1	-5.912e-4	8	-2.897e-3	1



Company Designer Designer : DDC
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LIIV	<u>elope Join</u>	LUISPI	<u>acemen</u>	is (C	ontinue	ea)								
	Joint		X [in]	LC	Y [in]	LC	Z [in]	I.C.	X Rotation [	LC	Y Rotation [	LC	Z Rotation [.	
33	N17	max	.016	6	.023	2	.009	: 8	1.18e-2	7	1.14e-4		1.237e-3	
34		min	017	12	069	153	008	2	-1.109e-2	i	-1.385e-4		-1.579e-3	
35	N18	max	.014	4	.009	6	.014	6	2.186e-4	10	8.579e-4	_		
36		min	014	10	057	24	014	12	-1.714e-3				-2.357e-3	
37	N 19	max	.02	4	.011	6	.014	6	6.075e-3	5	6.945e-4	4	8.294e-3	
38		min	019	10	074	24	014	12	-6.085e-3	<del></del>	-6.648e-4	<del>+ -</del>	-7.358e-3	
39	N20	max	.016	6	.021	2	.019	6	1.1e-2	6	5.404e-4	, 2	6.91e-4	11
40		min	017	12	034	165	019	12	-1.056e-2		-5.425e-4		-1.376e-3	
41	N21	max	.013	6	.013	2	.021	6			1.172e-3	3	1.406e-3	
42		min	014	12	029	8	021	12	-2.045e-3	12	-9.644e-4		-9.87e-4	209
43	N22	max	.013	5	.016	4	.022	6	5.429e-3	6	1.092e-3	10	9.163e-3	
44		min	014	11	- 044	10	022	12	-7.082e-3	12	-1.136e-3		-8.97e-3	5
45	N23	max	.012	6	.012	3	.022	6	1.244e-3		1.264e-3	9	2.081e-3	
46		min	013	12	033	9	022	12	-1.58e-3	85	-1.448e-3		-1.326e-3	
47	1	max	0	250	0	250	0	250		250	0	250	0	250
48	-	min	Ö	1	0	1	0	1	0	1	0	1	0	1
49	N25	max	.005	2	0	. 12	.009	8	8.776e-4	8	4.499e-4	2	5.546e-4	10
50		min	005	8	008	18	009	2	-4.915e-4	2	-4.587e-4	8	-6.524e-4	
51	N26	max	.011	2	.014	11	.019	8	2.354e-3			6	9.251e-4	
52		min	01	8	029	5	018	2	-1.005e-3	12	-2.455e-4		-1.502e-3	
53	N27	max	.01	4	.019	10	.013	8	4.015e-4	2	6.842e-4		2.907e-3	
54	1	min	009	10	05	53	013	2	-1.695e-3	57	-6.641e-4	4	-3.519e-3	9
55	N28	max	.014	4	.023	10	.014	8	5.635e-3	8	1.237e-4	4	7.567e-3	
56		min	014	10	065	53	014	2	-6.194e-3		-1.495e-4		-7.948e-3	3
57	N29	max	.01	6	.011	2	.01	6	3.579e-3	7	8.44e-4	6	2.595e-3	1
58		min	011	12	064	20	01	12	-1.787e-3	1	-8.958e-4		-2.361e-3	
59	N30	max	.016	6	.014	2	.013		1.168e-2	7	7.217e-4	12	1.31e-3	7
60		min	016	12	083	20	013	12	-1.104e-2	1	-6.873e-4		-1.851e-3	1
61	N31	max	.014	5	02	10	.021	8	5.665e-3	8	5.502e-4		8.396e-3	
62		min	014	11	033	65	02	2	-6.342e-3		-5.505e-4			8
63	N32	max	.01	2	.014	11	.02	8		127	1.296e-3		-8.414e-3	
64		min	009	8	027	5	019	2	-8.247e-4		-1.108e-3	<u>11</u>	1.622e-3	2
65	N33	max	.016	6	.02	12	.018	8	1.215e-2	7	1.165e-3	6	-1.358e-3	
66		min	017	12	043	6	018	2	-1.14e-2		-1.205e-3		2.16e-3 -5.364e-4	21
67	N34	max	.011	2	.014	11	.019	8	2.326e-3		1.133e-3	6		3
68		min	011	8	032	17	018		-1.473e-3		-1.315e-3		-9.375e-4	218
69	N 35	max	.016	6	.031	11	.012	8	1.215e-2		1.162e-3			65
70		min	017 ·	12	- 04	5	011	2	-1.14e-2		-1.202e-3		-5.387e-4	
71	N36	max	.016	6	.024	2	.017	6	1.1e-2		5.374e-4		6.934e-4	
72		min	017	12	027	8	018		-1.056e-2		-5.396e-4			
73	N37	max	.016	6	.013	12	.023		1.223e-2		1.273e-3			
74	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	min	017	12	055	18	023	2	-1.15e-2		-1.273e-3			22
75	N38	max	.016	6	0	2	.023	7	1.349e-2				-7.358e-4	4
76	1100	min	017	12	088	20	023		-1.266e-2		7.676e-4 -7.585e-4		8.347e-4	
77	N39	max	.016	6	.024	2	.008		1.216e-2				-8.773e-4	4
78		min	017	12	069	153	008		-1.145e-2	7	5.61e-5		1.057e-3	-
79	N40	max	.016	6	.018	1	.02		1.145e-2 1.107e-2		8.479e-5		-1.407e-3	6
80	1110	min	017	12	039	164	02				6.014e-4			
81	N41	max	.02	6	.047	1	.023		-1.065e-2 1.223e-2		6.185e-4		-1.277e-3	5
82	(17)	min	021	12	082	7	023				1.273e-3			22
83	N42	max	.015	6	.035	<del></del>			-1.15e-2				-7.358e-4	4
84	1174	min	016	12	102	20	.022		1.349e-2		7.676e-4			10
		1110111	010	12	IUZ	20	023	1  -	-1.266e-2	1 -	7.585e-4	8 ,-	-8.773e-4	4



Company Designer

: FDH Infrastructure Services, LLC

: DDC

Job Number : PR-001915

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LIIVE	elope Join	LDISPI	acemen	10 (0	onunue	<u>:a)</u>		
	Joint		X [in]	LC	Y [in]	LÇ	Z [in]	LC X Rotation [ LC Y Rotation [ LC Z Rotation [ LC
85	N43	max	.016	6	.058	1	.008	8 1.216e-2 7 5.61e-5 8 1.057e-3 12
86		min	016	12	097	7	008	2 -1.145e-2 1 -8.479e-5 2 -1.407e-3 6
87	N44	max	.016	6	.05	1	.02	6 1.107e-2 6 6.014e-4 2 6.924e-4 11
88		min	016	12	066	7	02	12 -1.065e-2 12 -6.185e-4 8 -1.277e-3 5
89	N45	max	.16	4	.101	12	.257	8 9.04e-3 7 1.322e-2 7 4.828e-3 12
90		min	167	10	128	6	25	2 -8.607e-3 1 -1.302e-2 1 -4.433e-3 237
91	N46	max	.161	4	.081	2	.259	6 6.491e-3 7 1.035e-2 12 4.987e-3 238
92		min	167	10	107	8	272	12 -7.202e-3 1 -1.042e-2 6 -3.483e-3 2
93	N47	max	.16	4	.016	12	.473	7 1.058e-2 7 1.15e-2 7 3.817e-3 12
94		min	167	10	06	18	462	1 -1.043e-2 1 -1.132e-2 1 -3.55e-3 6
95	N48	max	.16	4	017	4	.767	7 2.1e-2 7 4.771e-3 6 3.304e-3 10
96		min	167	10	088	22	748	1 -2.066e-2 1 -4.677e-3 12 -3.042e-3 4
97	N49	max	.16	4	.004	2	.726	7 1.918e-2 7 3.952e-3 2 2.191e-3 10
98		min	167	10	071	153	714	1 -1.917e-2 1 -4.248e-3 8 -2.359e-3 4
99	N50	max	.161	4	.022	1	.438	6 8.756e-3 6 7.731e-3 1 3.228e-3 9
100		min	167	10	042	164	- 449	12 -9.43e-3 12 -7.957e-3 7 -2.943e-3 3
101	N51	max	.168	5	.047	1	.473	7 1.058e-2 7 1.15e-2 7 3.817e-3 12
102		min	174	11	082	7	462	1 -1.043e-2 1 -1.132e-2 1 -3.55e-3 6
103	N52	max	.167	4	.035	2	.767	7 2.1e-2 7 4.771e-3 6 3.304e-3 10
104		min	174	10	102	20	748	1 -2.066e-2 1 -4.677e-3 12 -3.042e-3 4
105	N 53	max	.166	4	.058	1	.726	
106		min	173	10	097	7	714	
107	N 54	max	.153	4	.05	1	.438	
108		min	16	10	067	7	449	6 8.756e-3 6 7.731e-3 1 3.228e-3 9 12 -9.43e-3 12 -7.957e-3 7 -2.943e-3 3
109	N55	max	.16	4	.049	12	.387	8 9.04e-3 7 1.323e-2 7 4.833e-3 12
110	1100	min	167	10	08	6	377	
111	N56	max	.161	4	.043	2	.371	
112		min	167	10	065	8	384	
113	N57	max	.271	5	.047	1 1	.774	
114	1,10.	min	- 284	11	082	7	759	
115	N58	max	.295	4	.035	2	1.399	
116	1100	min	308	10	103	20	-1.371	
117	N59	max	.234	4	.058	1	1.251	
118		min	236	10	097	7	-1.238	
119	N60	max	.236	3	.05	1	.688	
120	1100	min	25	9	067	7	718	
121	N61	max	.05	22	.047	1	.288	
122	7101	min	01	4	082	7	308	
123	N62	max	.014	155	.035	2	.318	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
124	1102	min	013	4	102	20	341	
125	N63	max	.022	2	.058	1	.301	
126	1100	min	032	8	097	7	32	
127	N64	max	.007	10	.05	1	.266	
128	1101	min	028	16	066	7	277	
129	N65	max	.022	4	.029	7	.014	
130	1400	min	021	10	04	1	014	7 5.212e-3 9 9.442e-4 2 8.665e-3 9 1 -4.589e-3 3 -9.91e-4 8 -9.897e-3 3
131	N66	max	.018	6	.023	+ +		
132	1100	min	018	12	025	10	.02	8 5.667e-3 8 5.476e-4 10 8.395e-3 8
133	N67	max	.029	4	025 011	65	01 <u>9</u>	2 -6.34e-3 2 -5.48e-4 4 -8.415e-3 2
134	INUI	min	029	10	051	14	.019 019	8 5.419e-3 9 1.035e-3 2 8.662e-3 10
135	N68		.029	4	.002			2 -4.924e-3 3 -1.06e-3 8 -9.798e-3 4
136	NOO	max	021			10	.023	8 5.261e-3 9 8.224e-4 10 9.497e-3 9
100		min	UZ I	10	075	16	022	2 -5.785e-3 3 -8.123e-4 4 -1.005e-2 3



Company Designer Model Name : FDH Infrastructure Services, LLC : DDC

Job Number : PR-001915

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LIIVE	lope Join	DISPI	acemen	15 (C	<u>ontinu e</u>	<u>a)</u>								
	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [	LC	Y Rotation [	LC	Z Rotation [	r ic
137	N 69	max	.014	4	.024	10	.014	8	5.615e-3	. 8	8,515e-5	4	7.943e-3	
138		min	014	10	065	53	014	2	-6.186e-3		-1.149e-4			
139	N70	max	.015	5	.018	9	.022	8	5.596e-3		5.919e-4	10		
140		min	015	11	037	64	021	2	-6.199e-3		-6.044e-4		-8.578e-3	
141	N71	max	.028	4	.041	9	.022	8	5.419e-3	9	1.035e-3		8.662e-3	
142		min	028	10	~.076	3	022	2	-4.924e-3		-1.06e-3	8	-9.798e-3	
143	N72	max	.022	4	.033	. 10	.022	8	5.261e-3		8.224e-4	10	<del></del>	
144		min	022	10	087	16	021	2	-5.785e-3		-8.123e-4		-1.005e-2	
145	N73	max	.014	4	.052	9	.014	8	5.615e-3	8	8.515e-5	4	7.943e-3	
146		min	014	10	083	3	014	2	-6.186e-3	_	-1.149e-4	+ -		
147	N74	max	.015	4	.048	8	.021	8	5.596e-3		5.919e-4	10		8
148		min	016	10	061	2	021	2	-6.199e-3		-6.044e-4		-8.578e-3	
149	N75	max	.268	4	.093	8	.178	8	7.363e-3	9	1.109e-2	3	4.688e-3	
150		min	263	10	- 124	2	178	2	-7.306e-3	,	-1.096e-2		-5.047e-3	
151	N76	max	.182	3	.076	10	.235	7	3.612e-3				6.788e-3	
152		min	191	9	097	4	226	1	-1.389e-3		-9.556e-3		-6.394e-3	
153	N77	max	.425	4	.014	8	.263	8	6.961e-3	8	9.302e-3	3	7.734e-3	
154		min	417	10	055	14	264	2	-6.878e-3		-9.148e-3		-7.803e-3	
155	N78	max	.565	3	014	12	.376	8	9.711e-3	8	3.702e-3	2	1.527e-2	
156		min	55	9	075	18	38	2	-9.682e-3		-3.592e-3		-1.555e-2	
157	N 79	max	.513	3	.008	10	.386	8	8.528e-3	8	3.482e-3		1.387e-2	
158		min	503	9	067	53	389	2	-8.693e-3		-3.751e-3		-1.374e-2	
159	N80	max	.314	2	.021	9	.313	8	4.745e-3	7	6.311e-3	8	7.732e-3	8
160		min	322	8	04	64	305	2	-4.252e-3	1	-6.542e-3	2	-7.313e-3	
161	N81	max	.412	4	.042	9	.287	8	6.961e-3	8	9.302e-3	3	7.734e-3	
162		min	404	10	076	3	288	2	-6.878e-3	2	-9.148e-3	9	-7.803e <b>-</b> 3	
163	N82	max	.563_	4	.033	10	.386	8	9.711e-3	8	3.702e-3	2	1.527e-2	
164		min	548_	10	087	16	391	2	-9.682e-3	2	-3.592e-3	8	-1.555e-2	
165	N83	max	.518	3	.052	9	.383	8	8.528e-3	8	3.482e-3	10	1.387e-2	9
166		min	508	9	083	3	385	2	-8.693e-3	2	-3.751e-3	4	-1.374e-2	
167	N84	max	.324	2	048	8	.295	8	4.745e-3	7	6.311e-3	8	7.732e-3	
168		min	<u>-,</u> 332	8_	061	2	287	2	-4.252e-3	1	-6.542e-3	2	-7.313e-3	
169	N85	max	.366	4	.044	8	.229	8	7.368e-3	9	1.11e-2	3	4.686e-3	10
170		min	359	10	077	2	23	2	-7.302e-3	3	-1.096e-2	9	-5.049e-3	
171	N86	max	.263	2	.041	10	.284	8	2.303e-3	232	9.468e-3	8	6.79e-3	9
172		min	272	8	058	4	<u>27</u> 6	2	-1.394e-3	12	-9.562e-3	2	-6.391e-3	3
173	N87	max	.639	4	.042	9	.489	8	7.73e-3	8	9.302e-3	3	8.622e-3	10
174		min	629	10	076	3	488	2	-7.647e-3	2	-9.148e-3	9	-8.691e-3	4
175	N88	max	1.036_	3	.033	10	7	8	1.258e-2	8	3.702e-3	2	1.831e-2	9
176		min	-1.014	9	088	16	705	2	-1.255e-2	2	-3.592e-3	8	-1.86e-2	3
177	N89	max	.895	3	.052	9	.619	8	8.782e-3	8		10	1.412e-2	9
178		min	888	9	083	3	625	2	-8.947e-3		-3.751e-3	4	-1.4e-2	3
179	N90	max	.53	2	.048	8	.434	8	5.552e-3	7	6.311e-3	8	8.171e-3	8
180		min	549	8	061	2	412	2	-5.058e <b>-</b> 3	1	-6.542e-3	2	-7.751e-3	2
181	N91	max	.213	9	.041	9	.119	3	5.384e-3	9	1.035e-3	2	8.595e-3	9
182	NOO	min	244	3	076	3	133	9	-4.89e-3	3	-1.06e-3	8	-9.73e-3	3
183	N92	max	.236	9	.033	10	.148		5.226e-3			10	9.437e-3	
184		min	251	3	087	16	133		-5.751e-3		-8.123e-4	4	-9.991e-3	3
185	N93	max	.214	8	.052	9	.158		5.544e-3		8.515e-5	4	7.883e-3	9
186	NG	min	224	2	083	3	142		-6.115e-3			10	-8.253e-3	3
187	N94	max	.221	8	.048	8	.145		5.524e-3				8.488e-3	8
188		min	222	2	061	2	129	8	-6.127e-3	2	-6.044e-4	4	-8.536e-3	2



Company Designer Job Number Model Name

: FDH Infrastructure Services, LLC

: DDC

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Ella	<u>eiope Join</u>	UISPI	acemer	113 (C	ontinue	ea)								
	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation I	r ic	Y Rotation [	10	7 Rotation I	10
189	N95	max	.011	2	.028	. 3	.019	: 6	5.431e-3		1.089e-3		9.164e-3	
190		min	012	8	041	9	02	12	-7.08e-3		-1.134e-3		-8.968e-3	
191	N 96	max	.026	4	.022	7	.015	8	4.278e-3		5.334e-4		9.464e-3	
192		min	025	10	027	110	015	2	-3.918e-3					
193	N97	max	.019	5	.009	4	.024	6	5.425e-3		1.179e-3		9.408e-3	
194		min	019	11	053	22	024	12	-6.91e-3		-1.198e-3		-9.143e-3	
195	N98	max	.027	4	002	6	.02	6	5.68e-3	6	8.287e-4	6	1.028e-2	
196		min	027	10	08	24	02	12	-6.124e-3		-8.168e-4			
197	N99	max	.011	4	.019	6	.015	6	4.183e-3		5.918e-5	1	9.615e-3	
198		min	011	10	072	109	015		-4.334e-3		-8.733e-5	7	-8.679e-3	
199	N 100	max	.026	4	.015	6	.016	7	4.413e-3		5.829e-4	6	9.419e-3	
200		min	026	10	04	121	016	11	-4.129e-3		-6.066e-4		-8.593e-3	
201	N 10 1	max	.021	4	.04	5	.022	6	5.425e-3		1.179e-3	10	9.408e-3	
202		min	<u></u> 021	10	08	11	023	12	-6.91e-3	12	-1.198e-3		-9.143e-3	
203	N 102	max	.027	4	.031	6	.022	6	5.68e-3	6	8.287e-4	6	1.028e-2	
204		min	026	10	093	12	022	12	-6.124e-3		-8.168e-4		-9.379e-3	
205	N 103	max	.011	4	.046	5	.015	6	4.183e-3	5	5.918e-5	. 1		11
206		min	011	10	091	11	015	12	-4.334e-3	11	-8.733e-5	7	-8.679e-3	
207	N 104	max	.026	4	.042	5	.017	6	4.413e-3	4	5.829e-4	6	9.419e-3	
208		min	026	10	062	11	018_	12	-4.129e-3	10	-6.066e-4	12	-8.593e-3	
_209	N 105	max	.207	5	092	4	.213	7	2.94e-3	234	1.149e-2	11	9.06e-3	11
210		min	- <u>.21</u> 4	11	125	10	222	1	-1.884e-3	2	-1.121e-2	5	-8.769e-3	
211	N 106	max	281	4	.075	6	<u>.155</u>	7	5.474e-3	5	9.039e-3	4	3.975e-3	10
212		min	273	10	102	12	154	1	<b>-</b> 5.53e-3	11	-9.233e-3	10	-4.508e-3	4
213	N107	max	.377	5	.012	4	305_	6	4.202e-3	6	9.5 <u>5</u> 4e-3	11	9.627e-3	
214	NACO	min	389	11	058	22	317		-4.467e-3	:	-9.3e-3	5	-9.511e-3	5
215	N108	max	.564	5	<u>017</u>	8	.381	6	9.566e-3	6	3.751e-3	10	1.606e-2	11
216 217	N1400	min	584	11	08	14	398_		-1.002e-2	1	-3.617e <b>-</b> 3		-1.576e-2	5_
218	N109	max	.557	4	.002	6	.33		8.437e-3	5	3.684e-3	6	1.415e-2	10
219	N 110	min	572 .414	10	073 .018	109	344		-8.374e-3	11	-3.974e-3		-1.388e-2	4
220	NIIO	max min	409	10	043	5	.201	6	5.237e-3	6	6.254e-3	4	7.014e-3	10
221	N111	max	.392	5	043 .04	120 5	202 .283		-5.185e-3	12	-6.555e-3		-7.508e-3	4
222	14111	min	404	111	081	11	294		4.202e-3	6	9.554e-3		9.627e-3	11
223	N112	max	.568	5	.031	6	.379		-4.467e-3 9.566e-3	12 6	-9.3e-3	5	-9.511e-3	5
224	11112	min	588	11	093	12	396		-1.002e-2		3.751e-3 -3.617e-3			11
225	N113	max	.554	4	.045	5	.34		8.437e-3	5	3.684e-3		-1.576e-2 1.415e-2	5
226		min	569	10	091	111	355	<del>-</del>	-8.374e-3	_	-3.974e-3			10
227	N114	max	.404	4	.042	5	.215		5.237e-3	6	6.254e-3		7.014e-3	10
228		min	398	10	062	11	217		-5.185e-3				-7.508e-3	4
229	N115	max	.312	5	.042	4	.271	6			1.15e-2			11
230		min	322	11	08	10	281		-1.889e-3		-1.121e-2		-8.771e-3	5
231	N116	max	.366	4	.039	6	.182		5.479e-3		9.047e-3			10
232		min	359	10	063	12	182		-5.526e-3		-9.24e-3		-4.506e-3	4
233	N117	max	.662	5	.04	5	.41	6	4.97e-3	6	9.554e-3			11
234		min	678	11	081	11	429		-5.236e-3	12	-9.3e-3		-1.024e-2	5
235	N118	max	1.049	5	.031	6 :	.69		1.243e-2	6	3.751e-3			11
236		min	-1.077	11	094	24	719		-1.289e-2		-3.617e-3		-1.881e-2	5
237	N119	max	.935	4	.045	5	.568	6	8.591e-3	5	3.684e-3			10
238	····	min	958	10	091	11	581		8.528e-3	11	-3.974e-3		-1.418e-2	4
239	N120	max	.623	4	.042_	5	.371		5.998e-3		6.254e-3			10
240	78.	<u>min</u>	604	10	062	11	371	12  -	-5.946e-3	12	-6.555 <u>e</u> -3	10 -	-8.387e-3	4

Company Designer : DDC
Job Number : PR-001915
Model Name : 806454-NHV 112 948129

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#### Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [în]	LC	X Rotation f.	LC	Y Rotation [.	LC	Z Rotation [	LC
241	N121	max	.232	11	.04	5	.162	12	5.353e-3		1.179e-3	10	9.348e-3	
242		min	225	5	08	11	123	6	-6.838e-3		-1.198e-3		-9.083e-3	
243	N 122	max	.258	11	.031	6	.151	11	5.608e-3	6	8.287e-4	6	1.022e-2	
244		min	233	5	093	12	139	5	-6.052e-3	12	-8.168e-4	12	-9.319e-3	
245	N123	max	.252	11	.046	5	.121	10	4.148e-3	. 5	5.918e-5	1	9.555e-3	
246		min	227	5	091	11	118	4	-4.3e-3	11	-8.733e-5	7	-8.619e-3	
247	N124	max	.227	10	.042	5	.116	10	4.413e-3	4	5.829e-4	6	9.336e-3	•
248	<del></del>	min	204	4	062	11	124	4	-4.129e-3	10	-6.066e-4	12	-8.51e-3	4
249	N 125	max	.022	_ 4	.005	7	.002	7	2.259e-4	7	2.856e-4	10	1.048e-3	119
250		min	022	10	012	1	003	1	-3.244e-4	1	-2.944e-4	4	-1.445e-3	
251	6	max	0	250	0	250	0	250	0	250	0	250	0	250
252		min	0	1	0	1	0	1	0	1	0	1	0	1
253	N127	max	.015	4	.005	7	0	8	2.259e-4	7	2.856e-4	10	1.048e-3	119
254		min	017	10	012	1	002	2	-3.244e-4	1	-2.944e-4	4	-1.445e-3	1
255	N128	max	.01	6	.004	3	.018	6	9.298e-4	163	2.563e-4	6	1.035e-3	84
256		min	011	12	012	21	018	12	-1.331e-3	12	-2.638e-4	12	-3.955e-4	_
257	5	max	0	250	0	250	0	250	0	250	0	250	0	250
258		min	0	1	0	1	0	1	0	1	0	1	0	1
259	N 130	max	.008	6	.004	3	.014	6	9.298e-4	163	2.563e-4	6	1.035e-3	84
260		min	007	12	012	21	011	12	-1.331e-3	12	-2.638e-4	12	-3.955e-4	5
261	N131	max	.01	2	.005	11	.017	8	1.486e-3	128	2.143e-4	6	7.871e-4	8
262		min	009	8	012	17	016	2	-7.238e-4	1	-2.203e-4	12	-6.93e-4	63
263	4	max	0	250	0	250	0	250	0	250	0	250	0	250
264		min	0_	1	0	1	0	1	0	1	0	1	0	1
265	N133	max	.007	2	.005	11	.01	8	1.486e-3	128	2.143e-4	6	7.871e-4	8
266		min	005	8	012	17	012	2	-7.238e-4	1	-2.203e-4	12	-6.93e-4	63

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

	Member	Shape	Code C	.Loc[in]	LC	Shear	Loc[in]	Dir	LC	phi*Pnc [k]	phi*Pnt [k]	phi*Mn v-	phi*Mn z-	.,Cb Egn
_ 1	S1	HSS4X4X4	.138	0	4	.077	. 0	z	. 4	124.545		16.181	16.181	1 H1-1b
2	S2	HSS4X4X4	.127	0	24	· · · · · · · · · · · · · · · · · · ·	28.142	z	5	136.439	139,518	16.181	16.181	1 H1-1b
3	\$3	HSS4X4X4	.123	0	14	.116	28.142	z	3	136.439	139.518	16.181	16.181	1 H1-1b
4	S4	HSS4X4X4	.141	0	12	.086	0	z	12	124.545	139.518	16,181	16.181	1 H1-1b
5	S5	HSS4X4X4	.139	0	20	.131	28.142	z	1	136.439		16.181	16.181	1 H1-1b
6	S6	HSS4X4X4	.135	0	22	.118	28.142	z	11	136.439	139.518	16.181	16.181	1 H1-1b
7	<u>\$7</u>	HSS4X4X4	.136	0	8	.085	0	z	8	124.545	139.518	16.181	16.181	1 H1-1b
8	S8	HSS4X4X4	.127	0	16	.114	28.142	Z	9	136.439	139.518	16.181	16.181	1 H1-1b
9	S9	HSS4X4X4	.133	0	19	.132	28.142	Z	7	136.439	139.518	16.181	16.181	1 H1-1b
10	K1	LL2.5x2.5x3x6	.101	50.477		.005	50.477	Z	4	43.344	58.32	4.643	2.198	1 H1-1b*
11	K2	LL2.5x2.5x3x6	105	50.477	21	.005	50.477	z	12	43.344	58.32	4.643	2.198	1H1-1b*
12	<u>K3</u>	LL2.5x2.5x3x6	.098	50.477	17	.005	50.477	У	18	43.344	58.32	4.643	2.198	1H1-1b*
13	CB1	L2.5x2.5x4	.431	0	10	.125	0	٧	6	35.808	38.556	1.114	2.537	1 H2-1
14	CB2	L2.5x2.5x4	.420	0	2	.117	0	У	10	35.808	38.556	1.114	2.537	1 H2-1
15	CB3	L2.5x2.5x4	.486	0	6	.124	0	У	2	35.808	38.556	1.114	2.537	1, H2-1
16	G 1	L2x2x3	.401	0	203	.030	0	У	203	15.956	23.393	.558		1 H2-1
_17	G2	L2x2x3	.403	25.509	206	.030	0	Z	206	15.956	23.393	.558	1.17	1 H2-1
18	G3	L2x2x3	.401	0	209	.030	0	у	209	15.955	23.393	.558	1.179	1 H2-1
19	G4	L2x2x3	.403	25.509	212	.030	0	z	212	15.956	23.393	.558	1.17	1 H2-1
20	G 5	L2x2x3	.402	_ 0	215	.030	0	У	215	15.956	23.393	.558	1.178	1 H2-1
21	G 6	L2x2x3	.404	25.512	218	.030	0	Z	218	15.955	23.393	.558	1.169	1 H2-1



Company : FDH Infrastructure Service
Designer : DDC
Job Number : PR-001915
Model Name : 806454-NHV 112 948129

: FDH Infrastructure Services, LLC

Oct 29, 2019 1:35 P M Checked By:\_\_\_

#### Envelope A ISC 15th (360-16): LRFD Steel Code Checks (Continued)

	Member	Shape	Code C.	Loc[in]	LC	Shear	Loc[in]	Dir	LC	phi*Pnc [k]	phi*Pnt [k]	phi*Mn v	.phi*Mn z-	Cb	Eqn
22	C1	PL6x1/2	.237	9.125	1	.188	18.25	У	9	42.136	97.2	1.012	12.15	1.	11-1b
23	C2_	PL6x1/2	.233	9.125	9	.192	18.25	У	5	42.136	97.2	1.012	12.15	1	11-1b
24	C3	PL6x1/2	.238	9.125	5	.213	18.25	v	1	42.136	97.2	1.012	12.15		11-1b
25	PMC1	PIPE 2.5	.269	69	12	.181	27		3	45.877	50.715	3.596	3.596	-	11-1b
26	PMC2	PIPE 2.5	.284	69	7	.113	69		2	45.877	50.715	3.596	3.596	<del> </del>	I1-1b
27	PMC3	PIPE_2.5	.323	69	6	.107	69		4	45.877	50.715	3.596	3.596		11-1b
28	PMC4	PIPE_2.5	.266	69	6	.149	69		2	45.877	50.715	3.596	3,596		1-1b
29	HRC	PIPE_2.0	.562	132.8	2	.299	132.8		2	6.295	32.13	1.872	1.872		H3-6
30	HC HC	PIPE_3.0	.190	48.448	7	.178	60.95		4	28.251	65.205	5.749	5.749		11-1b
31	PMB1	PIPE_2.5	280	69	8	.183	27		11	45.877	50.715	3.596	3.596	3 H	1-1b
32	PMB2	PIPE_2.5	285	69	2	.113	69		10	45.877	50.715	3.596	3.596	7	11-1b
33	PMB3	PIPE_2.5	.335	69	2	.113	69		12	45.877	50.715	3.596	3.596	<del> </del>	1-1b
34	PMB4	PIPE_2.5	.279	69	2	.150	69		10	45.877	50.715	3.596	3.596		1-1b
35	HRB	PIPE_2.0	.529	17.191	12 <sup>'</sup>	.310	10.94	!	6	6.295	32.13	1.872	1.872		13-6
36	HB	PIPE 3.0	.191	48.448	3	.188	60.95		12	28.251	65.205	5.749	5.749		1-1b
37	PMA1	PIPE_2.5	.272	69	4	.222	27		7	45.877	50.715	3.596	3.596	3 H	1-1b
_38	PMA2	PIPE_2.5	.301	69	12	.136	69		6	45.877	50.715	3.596	3.596	2 H	1-1b
39	PMA3	PIPE_2.5	.343	69	8	.121	69	i	8	45.877	50.715	3.596	3.596		1-1b
40	PMA4	PIPE 2.5	.273	69	10	.172	69		12	45.877	50.715	3.596	3.596	1	1-1b
41	HRA	PIPE_2.0	.542	132.8	6	.298	10.94	- !	2	6.295	32.13	1.872	1.872		13-6
42	HA	PIPE_3.0	.202	48.448	12	.204	87.519	ĺ	1	28.251	65.205	5.749	5.749		1-1b



#### Address:

No Address at This Location

#### ASCE 7 Hazards Report

Standard:

ASCE/SEI 7-10

Elevation: 0 ft (NAVD 88)

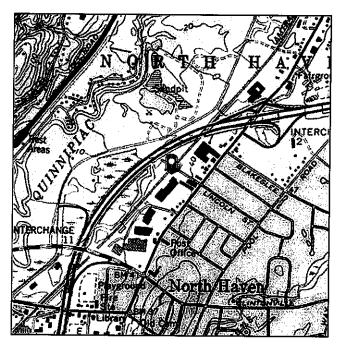
Risk Category: II

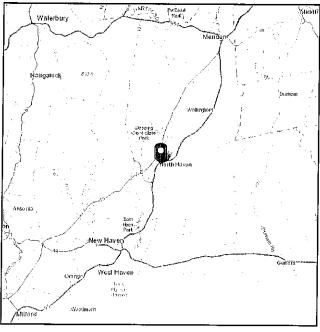
Latitude: 41.396396

Soil Class:

D - Stiff Soil

Longitude: -72.857686





#### Wind

#### Results:

Wind Speed:

125 Vmph

10-year MRI

77 Vmph

25-year MRI

87 Vmph

50-year MRI

94 Vmph

100-year MRI

101 Vmph

Data Source:

ASCE/SEI 7-10, Fig. 26.5-1A and Figs. CC-1-CC-4, incorporating errata of

March 12, 2014

Date Accessed:

Fri Oct 25 2019

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

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

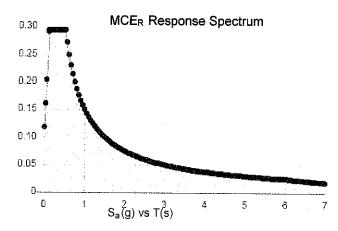


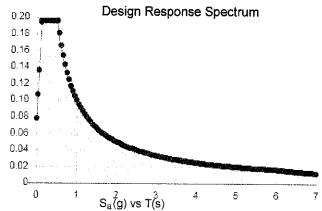
#### Seismic

Site Soil Class: Results:	D - Stiff Soil			
S <sub>s</sub> :	0.184	S <sub>DS</sub> :	0.196	
S <sub>1</sub> :	0.062	S <sub>D1</sub> :	0.1	
F <sub>a</sub> :	1.6	T <sub>L</sub> :	6	
F <sub>v</sub> :	2.4	PGA:	0.095	
S <sub>MS</sub> :	0.294	PGA <sub>M</sub> :	0.152	
S <sub>M1</sub> :	0.15	F <sub>PGA</sub> :	1.6	
		<b> </b> _ :	1	

#### Seismic Design Category

В





#### Data Accessed:

**Date Source:** 

Fri Oct 25 2019

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.



#### lce

Results:

Ice Thickness:

0.75 in.

Concurrent Temperature:

15 F

Gust Speed:

50 mph

Data Source:

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

Date Accessed:

Fri Oct 25 2019

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.

A&E FIRM:

#### **REVIEWED**

By Mike Laverty at 9:19 am, Nov 07, 2019

## verizon

### NO HAVEN CT 117 WASHINGTON ST NORTH HAVEN, CT 06473

#### PROJECT SUMMARY

SITE NAME: NO HAVEN CT SITE ADDRESS: 117 WASHINGTON ST NORTH HAVEN, CT 06473

TOWER OWNER CROWN CASTLE

CANONSBURG, PA 15317

MAP NUMBER:

LOT NUMBER VERIZON WIRELESS CUSTOMER/APPLICANT: 400 FRIEBERG PARKWAY WESTBOROUGH, MA 01581

CONTACT: (617) 945-7288

NAD83 41° 23' 46.93" N LONGITUDE 72° 51' 27.67" W FI FVATION: CURRENT ZONING:

B+T GROUP 1717 S. BOULDER, SUITE 300 TULSA, OK 74119

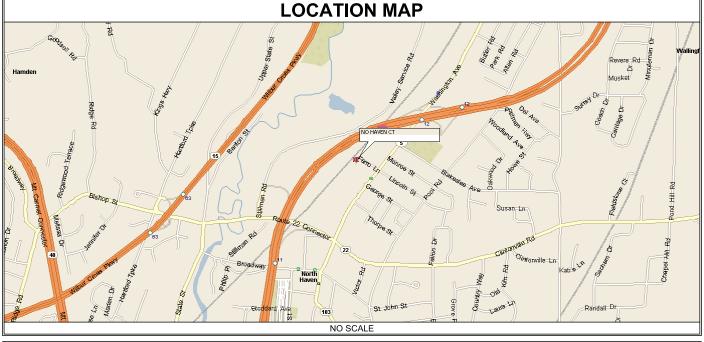
(918) 587-4630 OCCUPANCY TYPE: UNMANNED

A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

#### **CODE COMPLIANCE**

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 IBC 2015 CODE TYPE **BUILDING** STRUCTURAL IBC 2015 MECHANICAL IMC 2015



#### **DRIVING DIRECTIONS**

DEPART FROM BRADLEY INTERNATIONAL AIRPORT ON LOCAL ROAD. TAKE LOCAL ROAD ONTO TERMINAL RD. ROAD NAME CHANGES TO BRADLEY FIELD CONNECTOR, ROAD NAME CHANGES TO CT-20 [BRADLEY FIELD CONNECTOR]. TAKE RAMP ONTO I-91 [RICHARD P HORAN MEMORIAL HWY]. AT EXIT 12, TURN RIGHT ONTO RAMP. BEAR LEFT (ONTO US-5 [WASHINGTON AVE]. TURN RIGHT ONTO FERRO LN. TURN LEFT ONTO LOCAL ROAD. ARRIVE AT NO HAVEN CT.

		DRAWING INDEX						
	SHEET#	SHEET DESCRIPTION	REV.#					
	T-1	TITLE SHEET	0					
	A-1	COMPOUND PLAN AND TOWER ELEVATION	0					
ĺ	A-2	EQUIPMENT DETAILS	0					

	A/E DO	A/E DOCUMENT REVIEW STATUS								
	TITLE	SIGNATURE	DATE							
	OWNER:									
	R.F. ENGINEER:									
	CONSTRUCTION MGR.:									
8	LEASING & ZONING:									
Ĩ	VEDIZONI WIDELEGG									

SECTOR MOUNT DETAIL

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

#### **DO NOT SCALE DRAWINGS**

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



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



#### verizon<sup>v</sup>

400 FRIBERG PARKWAY WESTBOROUGH, MA 01581 PH: (508) 330-3300

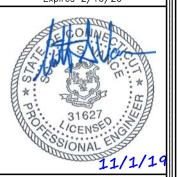
EXISTING MONOPOLE

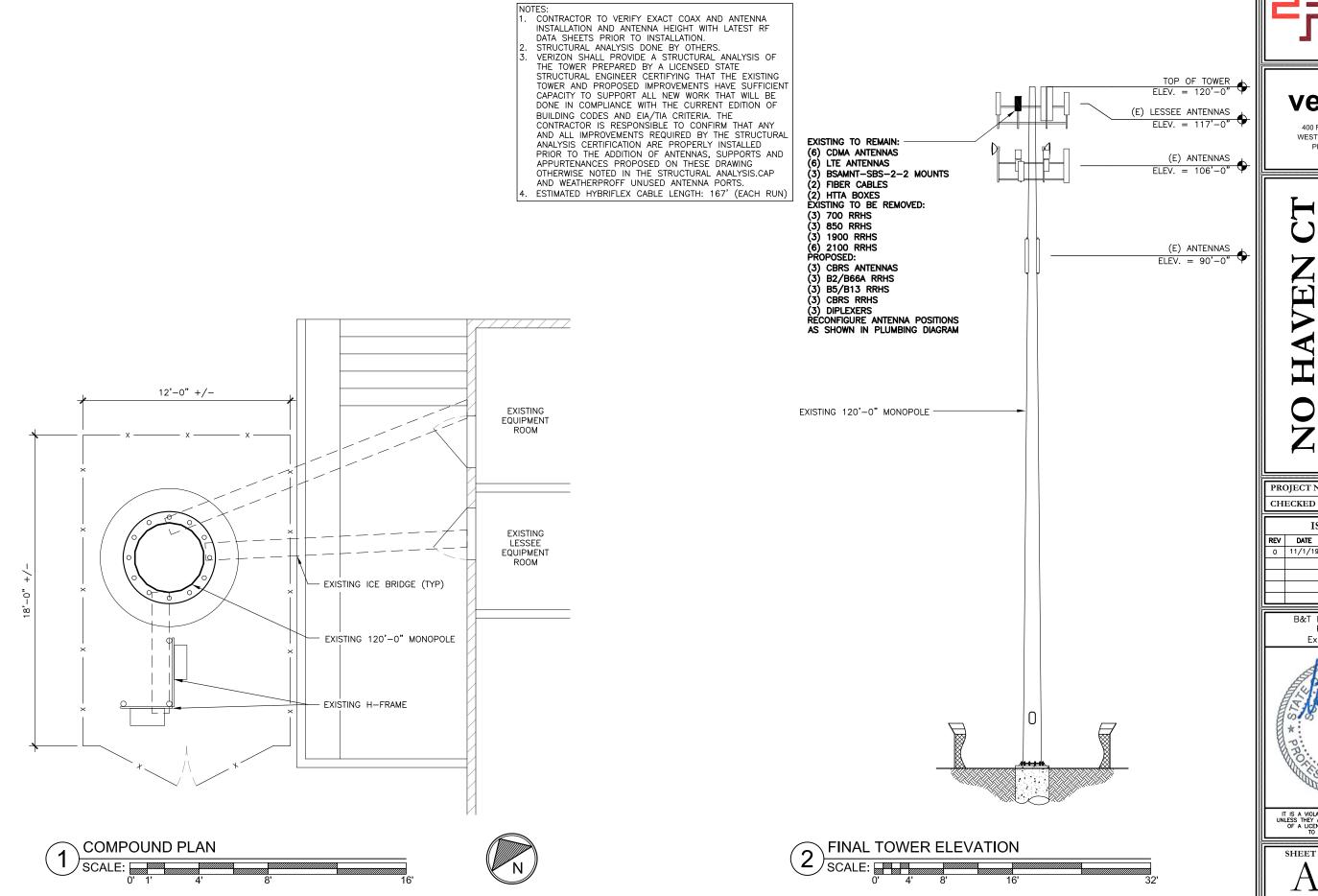
PROIECT NO

l	ISSUED FOR:							
i	REV	DATE	DRWN	DESCRIPTION				
i	0	11/1/19	STH	CONSTRUCTION				
i								
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B&T ENGINEERING, INC. PEC.0001564 Expires 2/10/20







#### verizon v

400 FRIBERG PARKWAY WESTBOROUGH, MA 01581 PH: (508) 330-3300

117 WASHINGTON ST NORTH HAVEN, CT 06473 EXISTING MONOPOLE

PROJECT NO: 139624.001.01 CHECKED BY: RMC

Г	ICCLIED FOR							
	ISSUED FOR:							
REV	DATE	DRWN	DESCRIPTION					
0	11/1/19	STH	CONSTRUCTION					

B&T ENGINEERING, INC. PEC.0001564 Expires 2/10/20



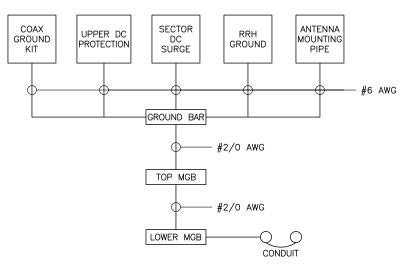
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET NUMBER:

REVISION

- 1. INSTALL ALL EQUIPMENT, MOUNTING BRACKETS AND HARDWARE ACCORDING WITH
- MANUFACTURE'S RECOMMENDATIONS. 2. GROUND DISTRIBUTION BOXES, MOUNTING PIPES AND RRHs IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS.
- MANUFACTURE'S RECOMMENDATIONS.

  INSTALLED EQUIPMENT AND MOUNTING BRACKETS SHALL NOT INTERFERE WITH CLIMBING ACCESS NOR ANT INSTALLED SAFETY DEVICES.
- 4. EQUIPMENT TO BE INSTALLED AT VERIZON'S RAD. CENTER IN ACCORDANCE WITH TOWER STRUCTURAL ANALYSIS (ANALYSIS BY OTHERS).



NOTF:
-------

- BOND ANTENNA GROUNDING KIT CABLES TO TOP CIBE.
- BOND ANTENNA GROUNDING KIT CABLE TO BOTTOM CIBE.
- 3. TYPICAL FOR ALL SECTORS.

SCALE: N.T.S.

\	GROUNDING SCHEMATIC DIAGRAM
	SCALE: N.T.S.

Call out proposed antenna model number per RFDS.

-	WIDTH	
 ====		
		HEIGHT

REMOTE RADIO HEAD DIMENSIONS (INCHES)

WIDTH

8.5"

15"

15"

DEPTH

4.1"

10"

8.1"

WEIGHT

18.64 LBS

84.4 LBS

70.3 LBS

HEIGHT

12.1"

15"

15"

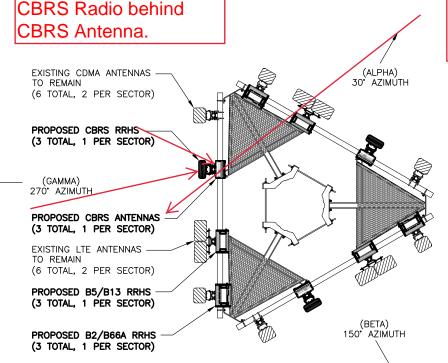
**RRH SPECIFICATIONS** SCALE: N.T.S.

MODEL

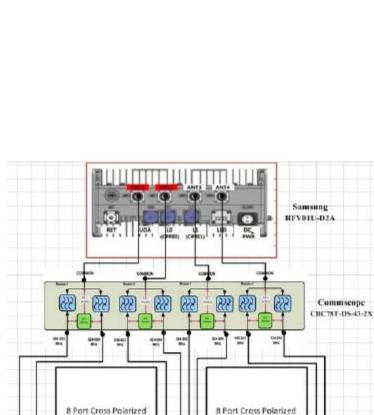
20W CBRS

RV01U-D1A

RV01U-D2A



PROPOSED ANTENNA ORIENTATION



ANTENNA SYSTEM LAYOUT

SCALE: N.T.S.

+45 -43 +45 -45 Port 5 Port 6 Port 7 Port 8

+45 -45 +45 -45 Port 5 Port 6 Port 7 Port 8

Samsung

REV01U-D1A

PROJECT NO: 139624.001.01 CHECKED BY: ISSUED FOR:

REV DATE DRWN DESCRIPTION 0 11/1/19 STH CONSTRUCTION

> PEC.0001564 Expires 2/10/20



SHEET NUMBER:

REVISION

verizon

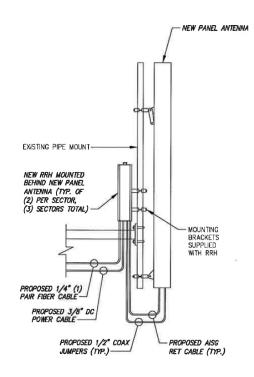
400 FRIBERG PARKWAY WESTBOROUGH, MA 01581 PH: (508) 330-3300

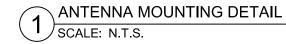
HAVEN

EXISTING MONOPOLE

B&T ENGINEERING, INC.

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400 FRIBERG PARKWAY WESTBOROUGH, MA 01581 PH: (508) 330-3300

# NO HAVEN CT

PROJECT NO: 139624.001.01

CHECKED BY:

EXISTING MONOPOLE

	ISSUED FOR:						
REV	DATE	DRWN	DESCRIPTION				
0	11/1/19	STH	CONSTRUCTION				

B&T ENGINEERING, INC. PEC.0001564 Expires 2/10/20



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SHEET NUMBER:

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REVISION: