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

July 14, 2022

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

RE: **Notice of Exempt Modification for T-Mobile: CT11114D**
Crown Site#807133
50 Rockland Road, Norwalk, CT 06854
Latitude: 41° 4′ 54.44″ / Longitude: -73° 25′ 49.52″

Dear Ms. Bachman:

T-Mobile currently maintains nine (9) antennas at the 173-foot mount level on the existing 182-foot monopole tower located at 50 Rockland Road, Norwalk, CT. The property is owned by and tower are owned by Crown Castle. T-Mobile now intends to add three (3) new antennas and ancillary equipment at the 173ft level. This modification/proposal includes hardware that is both 4G (LTE) and 5G capable through remote software configuration and either or both services may be turned on or off at various times.

Panned Modification:

Tower:

Installed New:
(3) Ericsson – AIR6449 B41 Antennas
(3) Ericsson- 4460 B25+B66 RRH
(4) Hybrid Cable 6x24 (1-5/8")

Remove:
(3) Ericsson – KRY 112 144/1 TMAs
(6) 1-5/8" Coaxial Cables
(1) 9x18 HCS Cable (1-5/8")

Ground:

Install New:
(1) 6160 Cabinet
(1.) B160 Battery Cabinet
(1^) BB 6648
(1) PSU 4813 vR2A
(1^) CRS IXRc V2

Remove:
(6^) RU22

The facility was approved by the Connecticut Siting Council, Docket No. 73 on April 1, 1997.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies §16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Harry Rilling - Mayor, City of Norwalk and Steven Kleppin- Director of Planning, City of Norwalk. Crown Castle is the property and tower owner.

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

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

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

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

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

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

Sincerely,

Jeffrey Barbadora
Site Acquisition Specialist
1800 W. Park Drive
Westborough, MA 01581
(781) 970-0053
Jeff.Barbadora@crowncastle.com

Attachments
cc:

Harry Rilling - Mayor
City of Norwalk
125 East Avenue
Norwalk, CT 06851
203-854-7701

Steven Kleppin- Director of Planning
City of Norwalk
125 East Avenue
Norwalk, CT 06851
203-854-7780

Crown Castle - Property and Tower Owner

DOCKET NO. 73

AN APPLICATION OF METRO MOBILE CTS OF FAIRFIELD COUNTY, INC., FOR CERTIFICATES OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF THREE FACILITIES CONSISTING OF TELECOMMUNICATIONS TOWERS AND ASSOCIATED EQUIPMENT FOR THE PURPOSE OF PROVIDING DOMESTIC PUBLIC CELLULAR RADIO TELECOMMUNICATIONS SERVICE IN THE TOWN OF GREENWICH AND IN THE CITIES OF NORWALK AND STAMFORD, CONNECTICUT.	:	CONNECTICUT SITING COUNCIL
	:	April 1, 1987

D E C I S I O N A N D O R D E R

Pursuant to the foregoing opinion, the Connecticut Siting Council (Council) hereby directs that a Certificate of Environmental Compatibility and Public Need, as provided by Section 16-50k of the General Statutes of Connecticut (CGS), be issued to Metro Mobile CTS of Fairfield County, Inc., for the construction, operation, and maintenance of cellular mobile telecommunications equipment in the Town of Greenwich, and the Cities of Norwalk and Stamford, Connecticut.

The facilities shall be constructed, operated, and maintained as specified in the Council's record on this matter, and subject to the following conditions.

1. The Norwalk tower, including antennas, shall be no taller than necessary to provide the proposed service, and in no event shall exceed 193 feet.
2. A fence not lower than eight feet shall surround the Norwalk tower.
3. Unless necessary to comply with condition number four, below, no lights shall be installed on the Norwalk tower.
4. The facilities shall be constructed in accordance with all applicable federal, state, and municipal laws and regulations.

5. The certificate holder shall prepare a development and management (D&M) plan for the Norwalk site in compliance with sections 16-50j-75 through 16-50j-77 of the Regulations of State Agencies. The D&M plan shall provide for evergreen screening around the perimeter of the fence at this site, and for other landscaping to improve the appearance of the facility.
6. The receive antennas at the Greenwich and Stamford sites shall be mounted below the high points of the facades of their respective buildings to minimize their visibility.
7. No construction activities shall take place outside the hours of 7:00 A.M. to 7:00 P.M., Monday through Saturday.
8. The certificate holder or its successor shall notify the Council if and when directional antennas or any equipment other than that listed in this application is added to these facilities.
9. The certificate holder or its successor shall permit public or private entities to share space on the Norwalk tower, for due consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
10. If these facilities do not provide or permanently cease to provide cellular service following completion of construction, this Decision and Order shall be void, and the tower and all associated equipment in this application shall be dismantled and removed or reapplication for any new use shall be made to the Council before any such new use is made.

11. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the issuance of this Decision and Order, or within three years of the completion of any appeal taken in this Decision.

12. The certificate holder shall comply with any future radio frequency (RF) standards promulgated by state or federal regulatory agencies. Upon the establishment of any new governmental RF standards, the facilities granted in this Decision shall continue to be in compliance with such standards.

Pursuant to CGS section 16-50p, we hereby direct that a copy of the Decision and Order be served on each person listed below. A notice of the issuance shall be published in the Stamford Advocate, the Greenwich Times, the Norwalk Hour, and the Bridgeport Post.

The parties to the proceeding are:

Mr. Armand Mascioli (Applicant)
General Manager
Metro Mobile CTS of Fairfield
County, Inc.
5 Eversley Avenue
Norwalk, Connecticut 06855

Howard L. Slater, Esquire (its attorney)
Byrne, Slater, Sandler,
Shulman & Rouse, P.C.
330 Main Street
P.O. Box 3216
Hartford, Connecticut 06103

Richard Rubin, Esquire (its attorney)
Fleischman and Walsh, P.C.
1725 N Street, N.W.
Washington, D.C. 20036

Southern New England
Telephone Company

(its attorney)

Mr. Peter J. Tyrrell
Senior Attorney
Southern New England
Telephone Company
227 Church Street
New Haven, Connecticut 06506

C E R T I F I C A T I O N

The undersigned members of the Connecticut Siting Council hereby certify that they have heard this case or read the record thereof, and that we voted as follows:

Dated at New Britain, Connecticut, this 1st day of April, 1987.

Council Members	Vote Cast
Gloria Dibble Pond Chairperson	Yes
Commissioner John Downey Designee: Commissioner Peter G. Boucher	Yes
Acting Commissioner John Anderson Designee: Brian Emerick	Yes
Owen L. Clark	Yes
Fred J. Doocy	Yes
Mortimer A. Gelston	Yes
James G. Horsfall	Absent
William H. Smith	Absent
Colin C. Tait	Yes

STATE OF CONNECTICUT)
: ss. New Britain, April 1, 1987
COUNTY OF HARTFORD)

I hereby certify that the foregoing is a true and correct copy of the decision and order issued by the Connecticut Siting Council, State of Connecticut.

ATTEST:

John C. Kelly
Executive Director
Connecticut Siting Council

I certify that a copy of the opinion and decision and order have been forwarded by mail to all parties of record on April 3, 1987.

ATTEST:

Robert K. Erling
Siting Analyst
Connecticut Siting Council

Property Location 50 ROCKLAND RD | Map ID 5/ 82/ 58/ 0/ | Bldg Name | Valuation Method I
Vision ID 25665 | Parcel Status: Active | Bldg # 1 of 1 | Sec # 1 of 1 | Card # 1 of 1 | Print Date 3/31/2022 11:46:51 A

CURRENT OWNER

CROWN ATLANTIC COMPANY LLC

PMB 353

4017 WASHINGTON RD

McMURRAY PA 15317-0000

TOPO		UTILITIES		STRT / ROAD		LAND INFL.	
8	Ledge	2	Sewer	9	Paved with Cu		
		3	Water	5	Heavy		
		9	Gas & El				

SUPPLEMENTAL DATA

Alt Parcel I	0	Tax D #1	4 - 100%
Assr Map	16SW	Tax D #2	
Survey Ma	254	Mixed Use	N
Dev Map		Grbge P/U	U:Unknown
Minor Flag		Sewer Bill	2:Sewer
Census	2007		
Gis ID	5-82-58-0	Associated P	

CURRENT ASSESSMENT

Description	Code	Appraised	Assessed
Indust.-B	301	3,359,840	2,351,890
Indust.-L	301	652,650	456,860
Indust-OB	301	801,660	561,160
	Total	4,814,150	3,369,910

Norwalk, CT

RECORD OF OWNERSHIP

	BK-VOL/PAGE		SALE DATE	Q/U	V/I	SALE PRICE	VC
CROWN ATLANTIC COMPANY LLC	3701	331	04-16-1999	U	I	1,600,000	
CELLCO PARTNERSHIP,	3489	348	04-03-1998	U	I	1,020,000	
DEVIVO MARIO + WENCHE	0	0		U	I	0	

PREVIOUS ASSESSMENTS (HISTORY)

Year	Use	I/F	Total Assessed	Outbuilding	Land	Total Value
2020	301	I	2351890	561160	456860	3369910
2019	301	F	2351880	561160	456860	3369900
2018	301	I	2351880	561160	456860	3369900
2017	301	F	390370	303600	313270	1007240
2016	301	F	390370	303600	313270	1007240

EXEMPTIONS

Year	Code	Description	Amount
		Total	0.00

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm Int

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

NBHD	NBHD Name	Neighborhood	Nbhd.	
0001			C530	500 SECONDARY

NOTES

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	3,233,910
Appraised XF (B) Value (Bldg)	125,930
Appraised OB (B) Value (Bldg)	801,660
Appraised Land Value (Bldg)	652,650
Special Land Value	0
Total Appraised Parcel Value	4,814,150
Valuation Method	I
Exemption	0
Adjustment	
Total Appraised Parcel Value	4,814,150

BUILDING PERMIT RECORD

Permit ID	Issue Date	Type	Description	Est. Cost	Asr. Insp Da	Asr. % Cmpt		Comments
B20-0919	10-27-2020	ALT	Modification to exist	20,000		0		Modification to existi
B18-1237	11-19-2018	ALT	Replace 6 exist. ant	20,000		0		Replace 6 exist. ante
B18-0538	05-31-2018	ALT	Replace 6 exist. ant	60,000		0		Replace 6 exist. ante
B18-0148	02-14-2018	ALT	Install 6 replaceme	15,000		0		Install 6 replacement
B17-1142	11-08-2017	ALT	Add (3) antennas a	20,000		0		Add (3) antennas an
B16-1309	12-20-2016	IA	Install replacement	18,000		0		Install replacement a
B16-0834	08-15-2016	IA	Remove & repalce	15,000		0		Remove & repalce 3

VISIT / CHANGE HISTORY

Date	Type	IS	ID	Cd	Purpost/Result
10-31-2018			JV	86	Commercial Final Revi
05-08-2014			150	66	BAA - Change
12-18-2013			V	40	No change - Hearing
06-13-2013			225	2	Permit Visit
03-05-2013			MJF	04	Vacant/New Bldg
05-27-2010			750	70	Prior Inspection
01-27-2010			750	67	Data Entry

LAND LINE VALUATION SECTION

B	Use co	Description	Zone	D	Land	Land Type	Units		Unit Price	Sz. A	S.A.	Ac Di	Inf. Fac	Nbhd.	Adj	Notes	Special Pricing					Land Value
																	Special Pri		Special Calcs			
1	301	Industrial	RI	4	P	SITE	35,719	SF	9.86	1.000	C	1.000	0.95	C530	1.95	TOPO		0			1.000	652,650
1	301	Industrial	RI	4	P	SITE	80	FF	0	1.000	0	1.000	1.00		1.00			0			1.000	0
						Total Card Land Units	0.82	AC	Parcel Total Land Area:	0.82										Total Land Value		652,650

Property Location 50 ROCKLAND RD | Map ID 5/ 82/ 58/ 0/ | Bldg Name | Valuation Method I
Vision ID 25665 | Parcel Status: Active | Bldg # 1 of 1 | Sec # 1 of 1 | Card # 1 of 1 | Print Date 3/31/2022 11:46:51 A

CONSTRUCTION DETAIL

Element	Cd	Description
Style	40	Light Indust
Model	96	Industrial
Grade	09	C+
Stories:	3.00	
Occupancy	1.00	
Exterior Wall 1	15	Concrete
Exterior Wall 2		
Roof Structure	01	Flat
Roof Cover	02	Rolled Compos
Interior Wall 1	05	Drywall
Interior Wall 2		
Interior Floor 1	14	Carpet
Interior Floor 2	03	Concrete
Heating Fuel	03	Gas
Heating Type	04	Forced Air
AC Percent	60	
Heat Percent	100	
Bldg Use	301	Industrial
Total Rooms	0	
Bedrooms	0	
Full Baths	0	
	6	
	0	
Heat/AC	01	Heat/AC Pkg
Frame	03	Masonry
Plumbing	02	Average
Foundation	02	Slab
Partitions	02	Average
Wall Height	13.00	
% Sprinkler	40.00	

CONSTRUCTION DETAIL (CONTINUED)

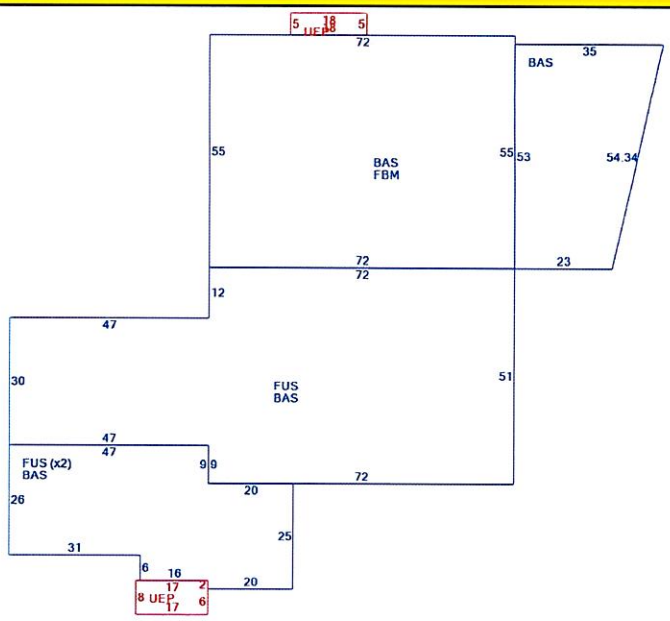
Element	Cd	Description
# of Heat Syste	1	
Insulation	2	Typical

MIXED USE

Code	Description	Percentage
301	Industrial	100
		0
		0

COST / MARKET VALUATION

Adjusted Base Rate	54.28
Section RCN	
Net Other Adj	
Replacement Cost	
Actual Year Built	1987
Effective Year Built	1985
Depreciation Code	F
Remodel Rating	
Year Remodeled	
Depreciation %	34
Functional Obsolescence	
External Obsolescence	
Cost Trend Factor	1
Condition	
% Complete	
	66
Deprec Value	829,860
Dep % Ovr	
Dep Ovr Comment	
Misc Imp Ovr	
Misc Imp Ovr Comment	
Cost to Cure Ovr	
Cost to Cure Ovr Comment	



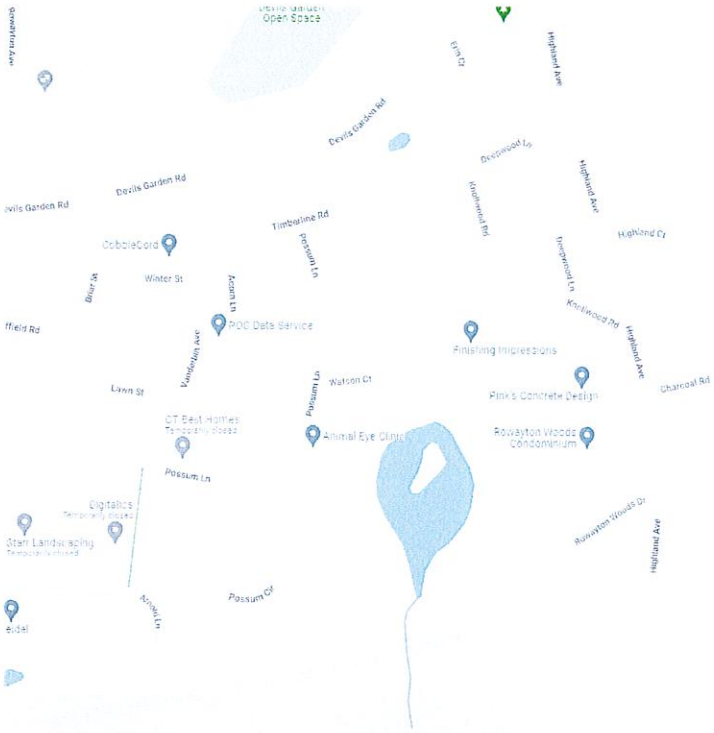
OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)

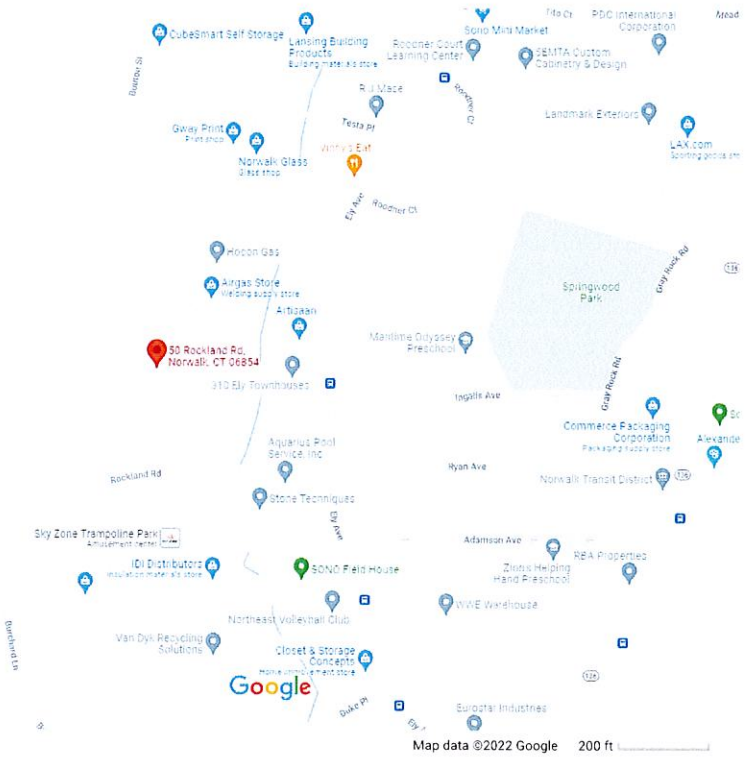
Code	Description	Su	Sub Type	L/B	Units	Unit Price	Year	Pct	Depre	Cnd.	Qu	Qual	Apprais Va
PAV1	Paving Asph.			L	16,9	2.60	1987	50	0.00	5	3	1.00	21,970
FN6	Fence 6'			L	450	18.18	1987	50	0.00	5	3	0.00	4,090
SHD4	Cell Equip	FR	Frame	L	128	200.00	2013	50	0.00	5	3	1.00	12,800
CEL1	Cell Tower		Steel	L	5	300000.0	2013	50	0.00	5	3	1.00	750,000
SHD4	Cell Equip	FR	Frame	L	128	200.00	2013	50	0.00	5	3	1.00	12,800
ELV1	Commercial		Pass Elev	B	3	25000.00		75	1.00	6	3	1.00	56,250
A/C	Air Conditioni			B	12,6	4.00		75	1.00	6	3	1.00	38,010
SPR	Sprinklers	WT	Wet	B	8,44	5.00		75	1.00	6	3	1.00	31,670

BUILDING SUB-AREA SUMMARY SECTION

Subarea	Description	Liv./Leasable	Gross	Eff Area	Unit Cost	Undeprec Value
BAS	First Floor	12,397	12,397	12,397	54.28	672,948
FBM	Finished Basement	0	3,960	1,980	27.14	107,481
FUS	Finished Upper Story	8,718	8,718	8,718	54.28	473,240
UEP	Utility Enclosed Porch	0	226	68	16.33	3,691
	Ttl Gross Liv / Lease Area	21,115	25,301	23,163		

50 Rockland Rd





50 Rockland Rd

Norwalk, CT 06854
Building

Directions Save Nearby Send to phone Share

Photos

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Friday, July 15, 2022 10:12 AM
To: Barbadora, Jeff
Subject: FedEx Shipment 777390589406: Your package has been delivered

Hi. Your package was delivered Fri, 07/15/2022 at 9:56am.

Delivered to 125 EAST AVE, NORWALK, CT 06851
Received by M.HICKMAN

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 777390589406

FROM	Jeff Barbadora 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	City of Norwalk Harry Rilling - Mayor 125 East Avenue NORWALK, CT, US, 06851
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Thu 7/14/2022 05:40 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	NORWALK, CT, US, 06851
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight

Barbadora, Jeff

From: TrackingUpdates@fedex.com
Sent: Friday, July 15, 2022 10:13 AM
To: Barbadora, Jeff
Subject: FedEx Shipment 777390618200: Your package has been delivered

Hi. Your package was delivered Fri, 07/15/2022 at 9:56am.

Delivered to 125 EAST AVE, NORWALK, CT 06851
Received by M.HICKMAN

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER 777390618200

FROM	Jeff Barbadora 1800 W. Park Drive WESTBOROUGH, MA, US, 01581
TO	City of Norwalk Steven Kleppin - Dir of Planning 125 East Avenue NORWALK, CT, US, 06851
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Thu 7/14/2022 05:40 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	NORWALK, CT, US, 06851
SPECIAL HANDLING	Deliver Weekday
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	1.00 LB
SERVICE TYPE	FedEx Priority Overnight

Date: **April 06, 2022**

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Subject:	**Structural Analysis Report**	
Carrier Designation:	***T-Mobile* Co-Locate**	
	Site Number:	CT11114D
	Site Name:	Norwalk/ South Norwalk
Crown Castle Designation:	**BU Number:**	807133
	Site Name:	BRG 134 943057
	JDE Job Number:	614602
	Work Order Number:	2094971
	Order Number:	524458 Rev. 3
Engineering Firm Designation:	**B+T Group Project Number:**	82164.017.01
Site Data:	**50 Rockland Road Norwalk OFC - MTSO, SO Norwalk, Fairfield County, CT** **Latitude *41° 4' 54.44"*, Longitude *-73° 25' 49.52"*** **180 Foot - Self Support Tower**	

B+T Group 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 – 80.6%**

This analysis utilizes an ultimate 3-second gust wind speed of 118 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Rose Denny

Respectfully submitted by: B+T Engineering, Inc.
COA: PEC.0001564 Expires: 02-01-2023

Chad E. Tuttle, P.E.

tnxTower Report - version 8.1.1.0

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 180 ft. Self-Support tower designed by Rohn.

This tower has been modified per reinforcement drawings prepared by Vertical Structures, Inc. in November of 2004. The reinforcement consist of installation of additional diagonal to existing diagonal member from 0' to 20' and 60' to 70' and installation of end bolts for diagonal from 20' to 40'

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	118 mph
Exposure Category:	C
Topographic Factor:	1
Ice Thickness:	1 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)
170.0	170.0	3	Ericsson	AIR 32 B2A/B66AA	2 4	1-3/8 1-5/8
		3	Ericsson	AIR 3246 B66_T-MOBILE		
		3	Ericsson	AIR6449 B41		
		3	Ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	Ericsson	RADIO 4460 B2/B25 B66_TMO		
		3	Rfs Celwave	APXVAARR24_43-U-NA20		
		1	--	Sector Mount [SM 702-3]		

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)
181.0	181.0	3	Fujitsu	TA08025-B604	1	1-3/4
		3	Fujitsu	TA08025-B605		
		3	Jma Wireless	MX08FRO665-21		
		1	Raycap	RDIDC-9181-PF-48		
		1	Commscope	MTC3975083 (3)		
161.0	163.0	3	Ericsson	AIR 6419 B77G	6 4 4 3	1-5/8 1-1/8 13/16 3/8
	161.0	1	Cci Antennas	DMP65R-BU4D		
		2	Cci Antennas	DMP65R-BU6D		
		3	Ericsson	RRUS 32 B2		
		3	Ericsson	RRUS 32 B30		
		3	Ericsson	RRUS 4426 B66		
		3	Ericsson	RRUS 4449 B5/B12		
		3	Ericsson	RRUS 4478 B14		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
		1	Quintel Technology	QD4616-7		
		2	Quintel Technology	QD6616-7		
		3	Raycap	DC6-48-60-18-8F		
		1	Raycap	DC6-48-60-18-8F		
		1	--	Sector Mount [SM 502-3]		
	159.0	3	Ericsson	AIR 6449 B77D		
157.0	157.0	2	Andrew	VHLP2-18	2	7983A
		2	--	Side Arm Mount [SO 203-1]		
148.0	148.0	3	Alcatel Lucent	800 EXTERNAL NOTCH FILTER	4	1-1/4
		3	Alcatel Lucent	800MHZ 2X50W RRH		
		6	Alcatel Lucent	PCS 1900MHz 4x45W-65MHz		
		9	Rfs Celwave	ACU-A20-N		
		3	Rfs Celwave	APXVSPP18-C-A20		
		3	Rfs Celwave	APXVTM14-ALU-I20		
		1	--	Sector Mount [SM 502-3]		
136.0	138.0	1		VHLP2-23	6 1	5/16 1/2
	136.0	3	Argus Tech.	LLPX310R		
		3	Samsung Telecom.	RRH-2WB		
		1	--	Sector Mount [SM 504-3]		
126.0	133.0	3	Samsung Telecom.	CBRS	7 1	1-5/8 1/2
	130.0	1	Gps	GPS_A		
	129.0	6	Commscope	JAHH-65C-R3B		
		4	Decibel	DB844G65ZAXY		
		2	Decibel	DB844H80-XY		
		1	Rfs Celwave	DB-C1-12C-24AB-0Z		
		3	Samsung Telecom.	RFV01U-D1A		
		3	Samsung Telecom.	RFV01U-D2A		
	128.0	3	Samsung Telecom.	MT6407-77A		
	126.0	1	--	Sector Mount [SM 411-3]		
112.0	112.0	3	Kathrein	800 10504	6	1-5/8
		1	--	Sector Mount [SM 104-3]		
5.0	6.0	1	Decibel	ASPP2933	2	1/4
	5.0	1	Gps	GPS_A		
		1	--	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Manufacturer Drawing	392878	CCI Sites
Mount Analysis	10267483	CCI Sites
Tower Modification Drawing	1257479	CCI Sites
Post-Modification Inspection	4065020	CCI Sites
Foundation Drawings	821566	CCI Sites
Geotech Report	2311843	CCI Sites
Crown CAD Package	Date: 03/23/2022	CCI Sites

3.1) Analysis Method

tnxTower (version 8.1.1.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

1) The tower and structures were maintained in accordance with the - TIA-222 standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.

This analysis may be affected if any assumptions are not valid or have been made in error. B+T Group 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
T1	180 - 160	Leg	ROHN 3 EH	2	-17.448	116.138	15.0	Pass
T2	160 - 153.333	Leg	ROHN 4 EH	35	-25.056	167.901	14.9	Pass
T3	153.333 - 146.667	Leg	ROHN 4 EH	44	-36.932	167.900	22.0	Pass
T4	146.667 - 140	Leg	ROHN 4 EH	56	-48.425	167.901	28.8	Pass
T5	140 - 120	Leg	ROHN 5 EH	68	-89.173	251.347	35.5	Pass
T6	120 - 100	Leg	ROHN 6 EHS	89	-132.374	288.515	45.9	Pass
T7	100 - 80	Leg	ROHN 6 EH	110	-169.992	318.903	53.3	Pass
T8	80 - 70	Leg	ROHN 8 EHS	125	-189.604	405.715	46.7	Pass
T9	70 - 60	Leg	ROHN 8 EHS	134	-209.560	405.715	51.7	Pass
T10	60 - 40	Leg	ROHN 8 EHS	143	-248.892	405.717	61.3	Pass
T11	40 - 20	Leg	ROHN 8 EH	158	-287.729	530.833	54.2	Pass
T12	20 - 0	Leg	ROHN 8 EH	173	-326.306	530.833	61.5	Pass
T1	180 - 160	Diagonal	L2x2x3/16	13	-2.994	10.104	29.6	Pass
T2	160 - 153.333	Diagonal	L2 1/2x2 1/2x1/4	39	-5.201	19.793	26.3	Pass
T3	153.333 -	Diagonal	L2 1/2x2 1/2x1/4	51	-5.474	17.900	30.6	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
	146.667							
T4	146.667 - 140	Diagonal	L2 1/2x2 1/2x1/4	63	-6.294	16.240	38.8	Pass
T5	140 - 120	Diagonal	L2 1/2x2 1/2x1/4	70	-7.979	12.489	63.9	Pass
T6	120 - 100	Diagonal	L3x3x1/4	92	-9.324	17.566	53.1	Pass
T7	100 - 80	Diagonal	L3 1/2x3 1/2x1/4	113	-10.367	18.890	54.9	Pass
T8	80 - 70	Diagonal	L3 1/2x3 1/2x1/4	128	-10.931	17.632	62.0	Pass
T9	70 - 60	Diagonal	2L3 1/2x3 1/2x1/4x3/8	137	-11.753	27.539	42.7	Pass
T10	60 - 40	Diagonal	L4x4x1/4	146	-12.265	20.589	59.6	Pass
T11	40 - 20	Diagonal	L4x4x5/16	161	-12.939	21.559	60.0	Pass
T12	20 - 0	Diagonal	2L4x4x5/16x3/8	176	-14.095	31.656	44.5	Pass
T1	180 - 160	Top Girt	L2x2x1/8	4	-0.465	4.230	11.0	Pass
T3	153.333 - 146.667	Top Girt	L2 1/2x2 1/2x1/8	46	-0.641	4.069	15.7	Pass
T4	146.667 - 140	Top Girt	L2 1/2x2 1/2x1/8	58	-0.840	3.498	24.0	Pass
T1	180 - 160	Mid Girt	L2x2x1/8	9	-0.473	3.097	15.3	Pass
							Summary	
						Leg (T12)	61.5	Pass
						Diagonal (T5)	63.9	Pass
						Top Girt (T4)	24.0	Pass
						Mid Girt (T1)	15.3	Pass
						Bolt Checks	80.6	Pass
						Rating =	80.6	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	Base	48.0	Pass
1	Base Foundation	Base	78.1	Pass

Structure Rating (max from all components) =	80.6%

Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.
2) Rating per TIA-222-H Section 15.5

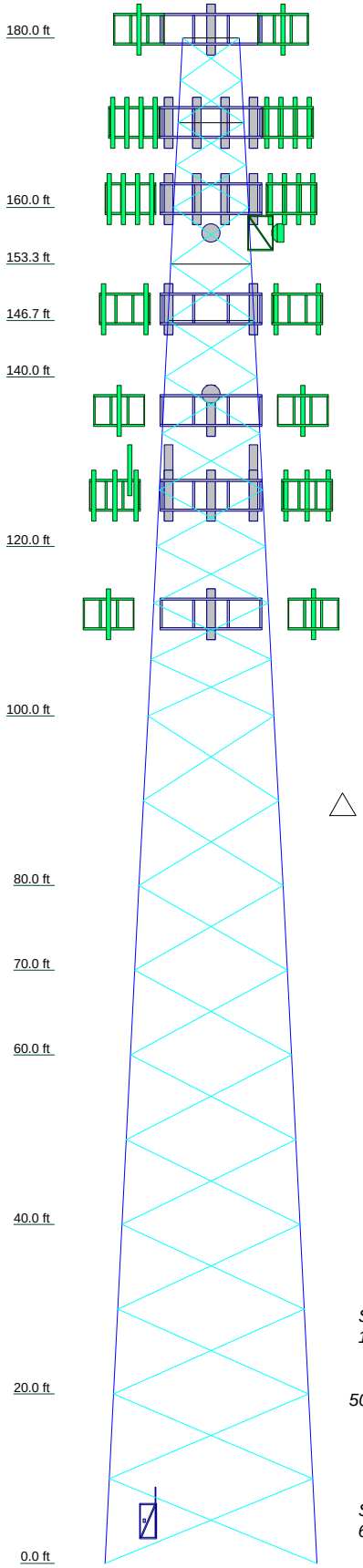
4.1) Recommendations

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

APPENDIX A

TNXTOWER OUTPUT

Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	
Legs	ROHN 3 EH	ROHN 4 EH			ROHN 5 EH	ROHN 6 EHS	ROHN 6 EH	ROHN 8 EHS			ROHN 8 EH		
Leg Grade	A572-50												
Diagonals	L2x2x3/16				L2 1/2x2 1/2x1/4	L3x3x1/4	L3 1/2x3 1/2x1/4	A	L4x4x1/4		L4x4x5/16	2L4x4x5/16x3/8	
Diagonal Grade	A36					A572-50		A36		A572-50		A36	
Top Girts	L2x2x1/8	N.A.	L2 1/2x2 1/2x1/8				N.A.						
Mid Girts	L2x2x1/8												
Face Width (ft)	6.6875	8.76042	9.45052	10.1432	10.8333	12.9167	14.8542	16.9896	17.9948	19	21	23	25
# Panels @ (ft)	4 @ 5				9 @ 6.66667					10 @ 10			
Weight (K)	1.3	0.6	0.7	0.7	2.4	2.9	3.2	1.8	2.6	3.9	5.2	8.1	33.3



SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	2L3 1/2x3 1/2x1/4x3/8		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

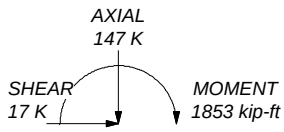
TOWER DESIGN NOTES

1. Tower is located in Fairfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 118 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0'
8. TIA-222-H Annex S
9. TOWER RATING: 80.6%

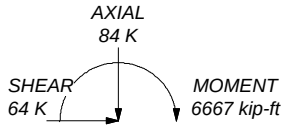
ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 336 K
SHEAR: 40 K

UPLIFT: -275 K
SHEAR: 34 K



TORQUE 16 kip-ft
50 mph WIND - 1.000 in ICE



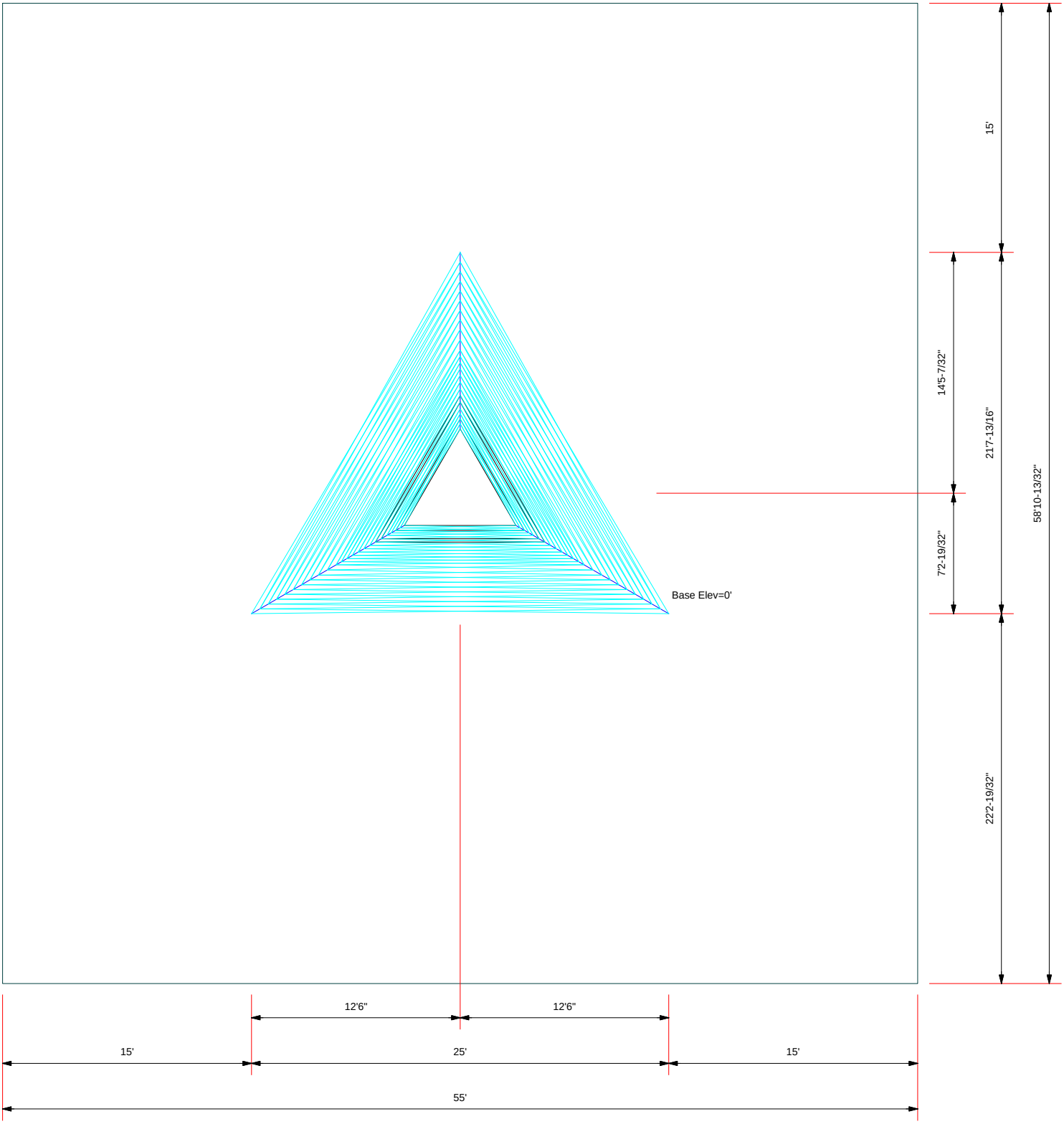
TORQUE 47 kip-ft
REACTIONS - 118 mph WIND

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job:	***82164.017.01--BRG 134 943057,CT(BU#807133)***		
Project:			
Client: Crown Castle	Drawn by: Sudhanva	App'd:	
Code: TIA-222-H	Date: 04/01/22	Scale: NTS	
Path: C:\Users\jindevor\Desktop\April-1\82164_807133_BRG 134 943057-----Sudhnva-----G\Tnx_017_01\82164_017_01_BRG_134_943057_CT.eri		Dwg No. E-1	

Plot Plan

Total Area - 0.07 Acres

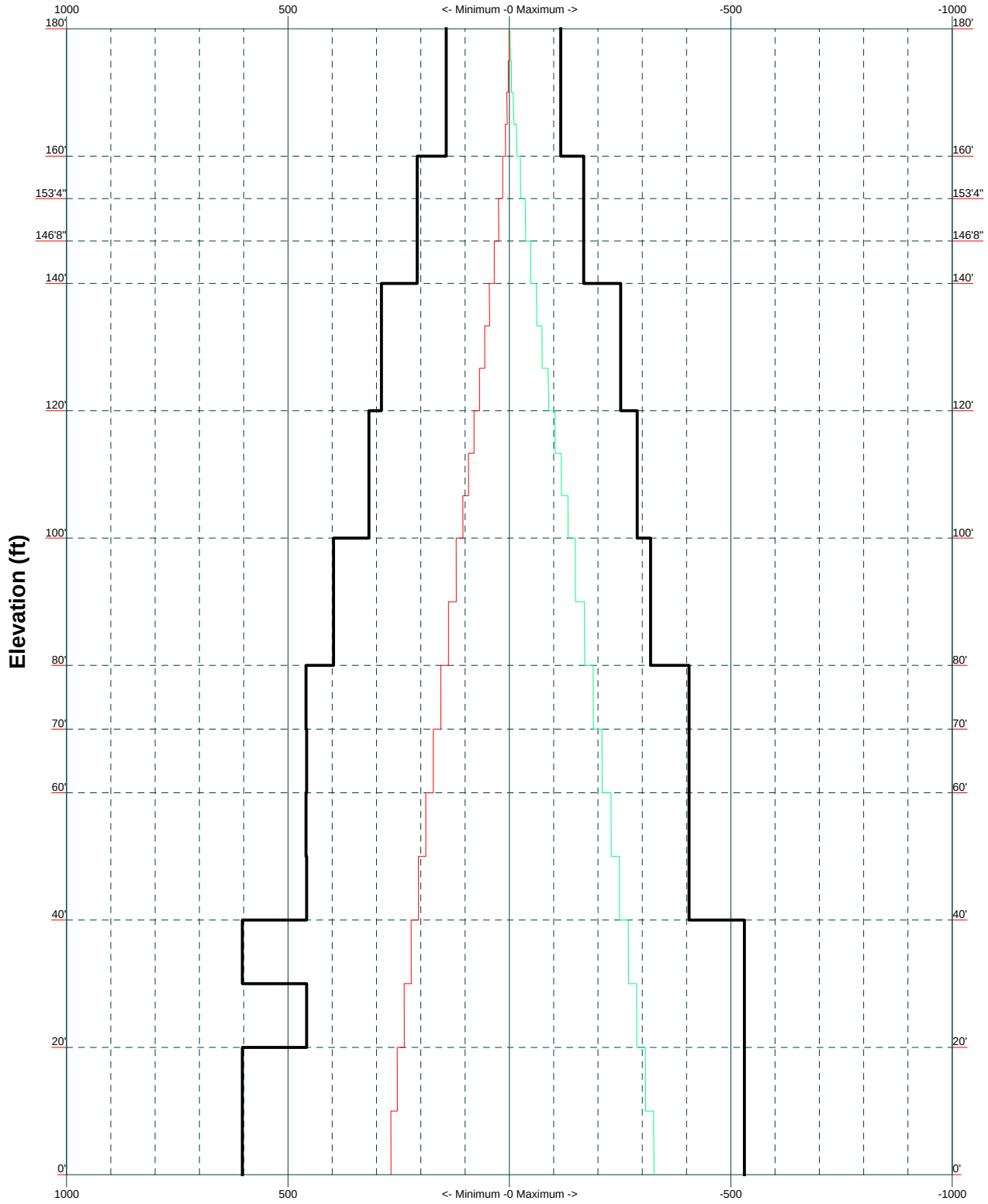


B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: ***82164.017.01--BRG 134 943057,CT(BU#807133)***		
Project:		
Client: Crown Castle	Drawn by: Sudhanva	App'd:
Code: TIA-222-H	Date: 04/01/22	Scale: NTS
Path: C:\Users\jndevos\Desktop\April-1\82164_807133_BRG 134 943057-----Sudhnva-----G\Tnx_017_01\82164_017_01_BRG_134_943057_CT.eri		Dwg No. E-2

TIA-222-H - 118 mph/50 mph 1.000 in Ice Exposure C

Leg Capacity ——— **Leg Compression (K)**



B+T GRP

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

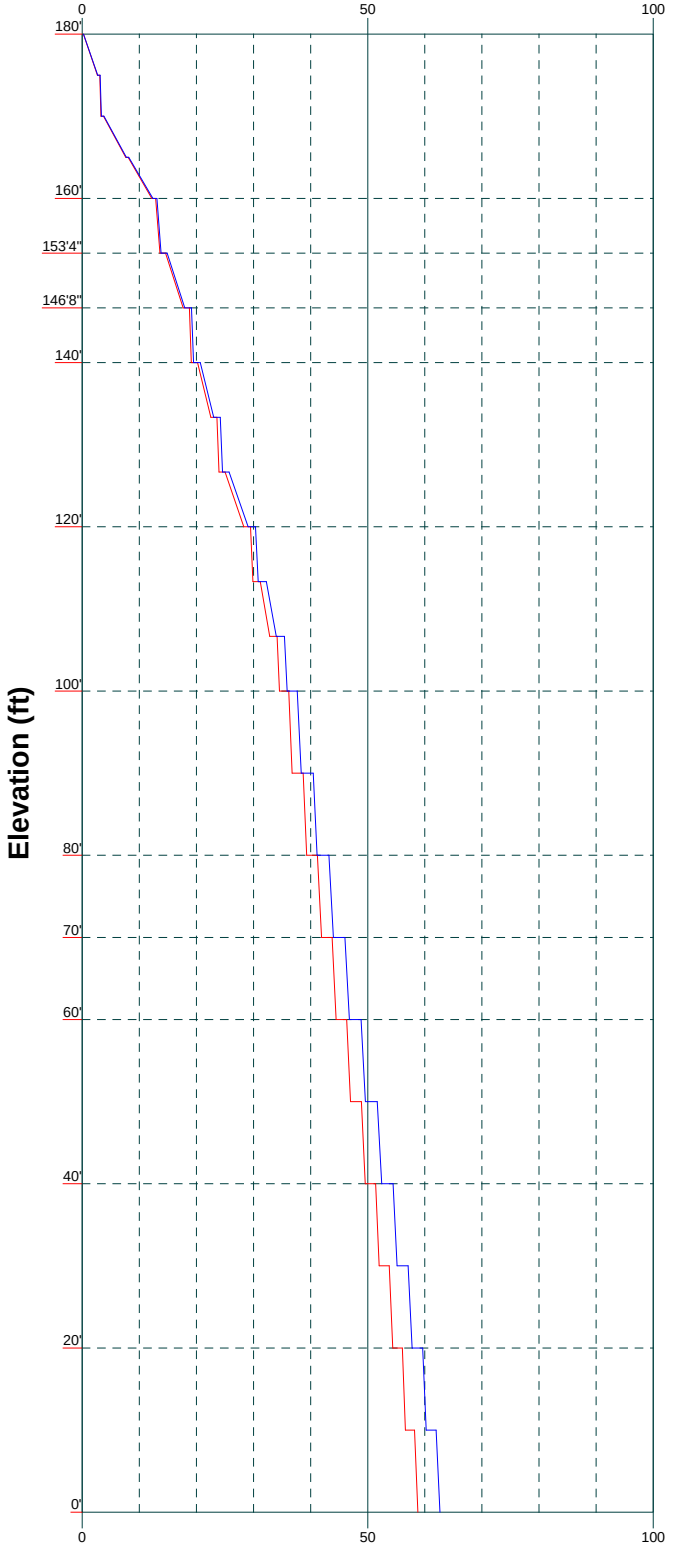
Job: ***82164.017.01--BRG 134 943057,CT(BU#807133)***			
Project:			
Client: Crown Castle	Drawn by: Sudhanva	App'd:	
Code: TIA-222-H	Date: 04/01/22	Scale: NTS	
Path: C:\Users\jindevon\Desktop\April-1\82164_807133_BRG 134 943057-----Sudhnva-----G\Tnx_017_01\82164_017_01_BRG_134_943057_CT.eri		Dwg No. E-3	

TIA-222-H - 118 mph/50 mph 1.000 in Ice Exposure C

Maximum Values

Vx Vz Mx Mz

Global Mast Shear (K)



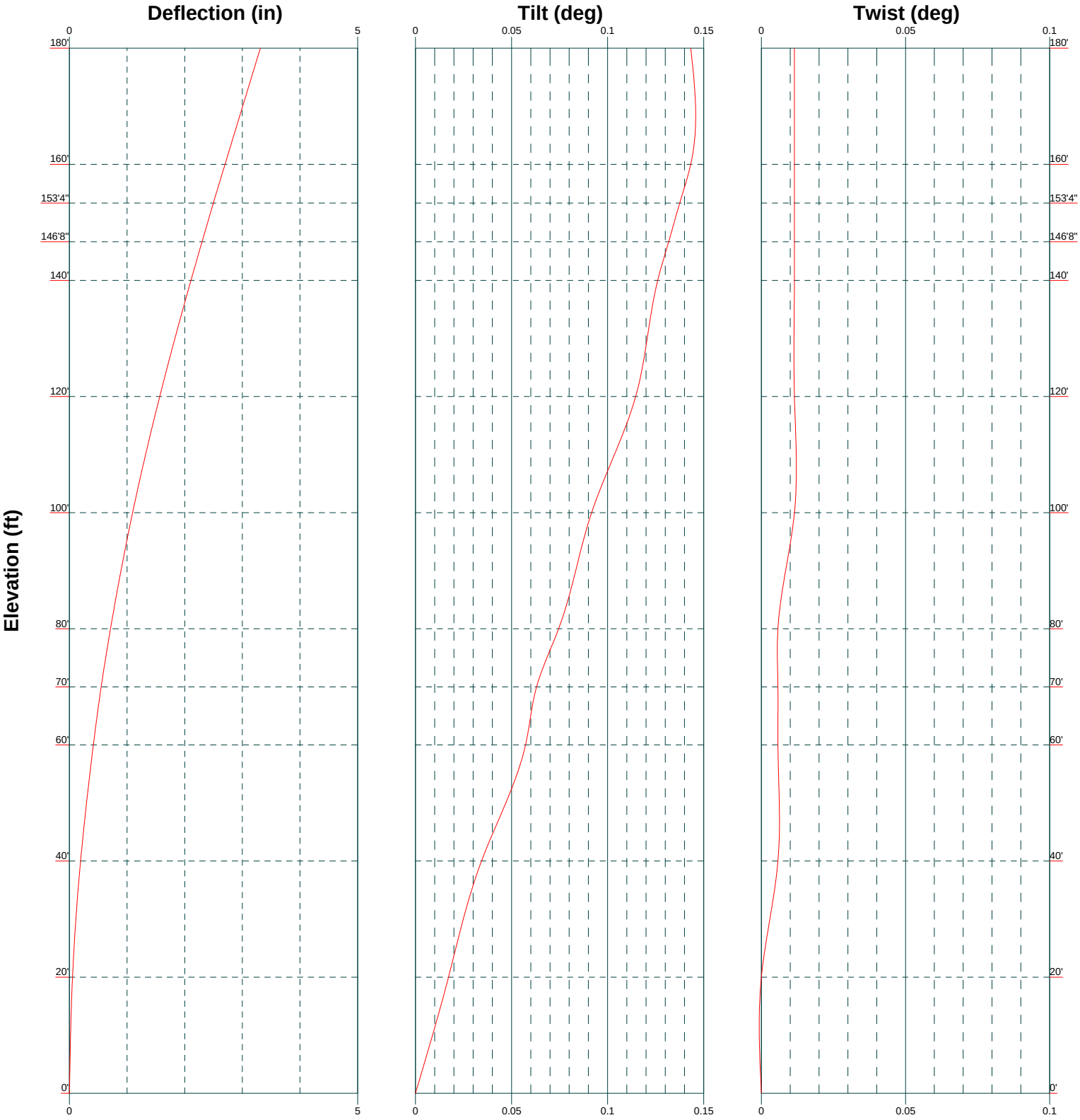
Global Mast Moment (kip-ft)

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: 82164.017.01--BRG 134 943057,CT(BU#807133)		
Project:		
Client: Crown Castle	Drawn by: Sudhanva	App'd:
Code: TIA-222-H	Date: 04/01/22	Scale: NTS
Path: C:\Users\indevon\Desktop\April-1\82164_807133_BRG 134 943057-----Sudhnva-----G\Tnx_017_01\82164_017_01_BRG_134_943057_CT.eri		Dwg No. E-4

TIA-222-H - Service - 60 mph

Maximum Values



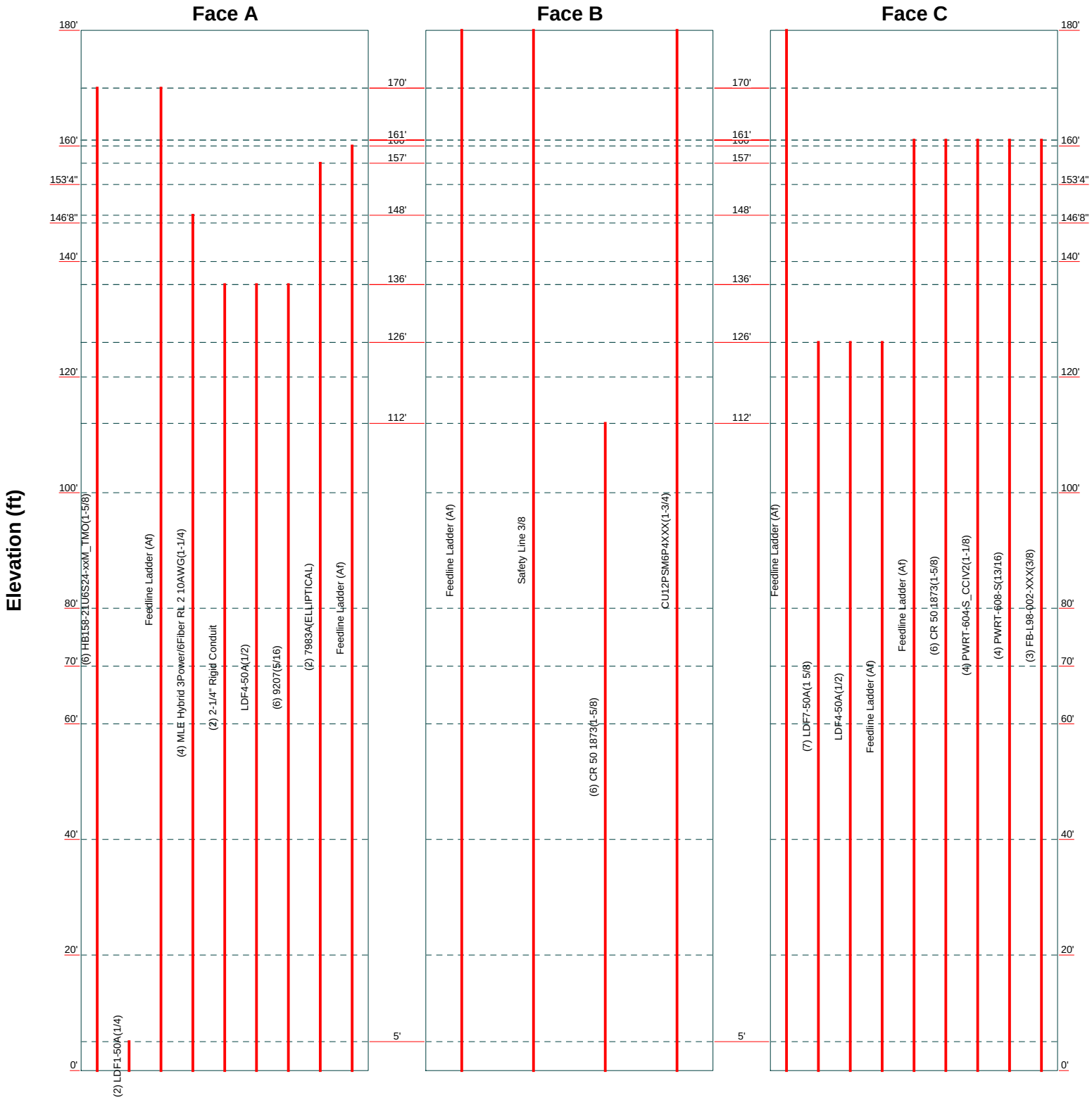
B+T GRP

B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: ***82164.017.01--BRG 134 943057,CT(BU#807133)***			
Project:			
Client: Crown Castle	Drawn by: Sudhanva	App'd:	
Code: TIA-222-H	Date: 04/01/22	Scale: NTS	
Path: C:\Users\jndevor\Desktop\April-1\82164_807133_BRG 134 943057-----Sudhnva-----G\Tnx_017_01\82164_017_01_BRG_134_943057_CT.eri		Dwg No. E-5	

Feed Line Distribution Chart
0' - 180'

Round | Flat | App In Face | App Out Face | Truss Leg



B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
Phone: (918) 587-4630
FAX: (918) 295-0265

Job: ***82164.017.01--BRG 134 943057,CT(BU#807133)***		
Project:		
Client: Crown Castle	Drawn by: Sudhanva	App'd:
Code: TIA-222-H	Date: 04/01/22	Scale: NTS
Path: C:\Users\indevon\Desktop\April-1\82164_807133_BRG 134 943057-----Sudhnva-----G\Tnx_017_01\82164_017_01_BRG_134_943057_CT.eri		Dwg No. E-7

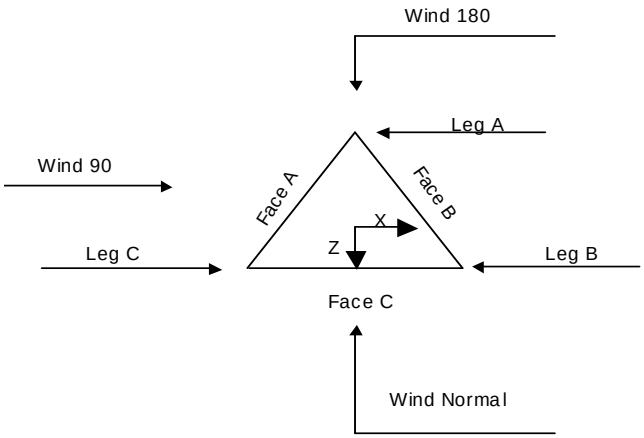
Tower Input Data

The main tower is a 3x free standing tower with an overall height of 180' above the ground line.
The base of the tower is set at an elevation of 0' above the ground line.
The face width of the tower is 6'8-1/4" at the top and 25' at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower is located in Fairfield County, Connecticut.
Tower base elevation above sea level: 61'.
Basic wind speed of 118 mph.
Risk Category II.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0'.
Nominal ice thickness of 1.000 in.
Ice thickness is considered to increase with height.
Ice density of 56.000 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50.000 °F.
Deflections calculated using a wind speed of 60 mph.
TIA-222-H Annex S.
Pressures are calculated at each section.
Stress ratio used in tower member design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

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



Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
T1	180'-160'			6'8-1/4"	1	20'
T2	160'-153'4"			8'9-1/8"	1	6'8"
T3	153'4"-146'8"			9'5-13/32"	1	6'8"
T4	146'8"-140'			10'1-23/32"	1	6'8"
T5	140'-120'			10'10"	1	20'
T6	120'-100'			12'11"	1	20'
T7	100'-80'			14'10-1/4"	1	20'
T8	80'-70'			16'11-7/8"	1	10'
T9	70'-60'			17'11-15/16"	1	10'
T10	60'-40'			19'	1	20'
T11	40'-20'			21'	1	20'
T12	20'-0'			23'	1	20'

Tower Section Geometry *(cont'd)*

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T1	180'-160'	5'	X Brace	No	No	0.000	0.000

Tower Section	Tower Elevation ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset in
T2	160'-153'4"	6'8"	X Brace	No	No	0.000	0.000
T3	153'4"-146'8"	6'8"	X Brace	No	No	0.000	0.000
T4	146'8"-140'	6'8"	X Brace	No	No	0.000	0.000
T5	140'-120'	6'8"	X Brace	No	No	0.000	0.000
T6	120'-100'	6'8"	X Brace	No	No	0.000	0.000
T7	100'-80'	10'	X Brace	No	No	0.000	0.000
T8	80'-70'	10'	X Brace	No	No	0.000	0.000
T9	70'-60'	10'	X Brace	No	No	0.000	0.000
T10	60'-40'	10'	X Brace	No	No	0.000	0.000
T11	40'-20'	10'	X Brace	No	No	0.000	0.000
T12	20'-0'	10'	X Brace	No	No	0.000	0.000

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 180'-160'	Pipe	ROHN 3 EH	A572-50 (50 ksi)	Single Angle	L2x2x3/16	A36 (36 ksi)
T2 160'-153'4"	Pipe	ROHN 4 EH	A572-50 (50 ksi)	Single Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T3 153'4"-146'8"	Pipe	ROHN 4 EH	A572-50 (50 ksi)	Single Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T4 146'8"-140'	Pipe	ROHN 4 EH	A572-50 (50 ksi)	Single Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T5 140'-120'	Pipe	ROHN 5 EH	A572-50 (50 ksi)	Single Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T6 120'-100'	Pipe	ROHN 6 EHS	A572-50 (50 ksi)	Single Angle	L3x3x1/4	A572-50 (50 ksi)
T7 100'-80'	Pipe	ROHN 6 EH	A572-50 (50 ksi)	Single Angle	L3 1/2x3 1/2x1/4	A572-50 (50 ksi)
T8 80'-70'	Pipe	ROHN 8 EHS	A572-50 (50 ksi)	Single Angle	L3 1/2x3 1/2x1/4	A572-50 (50 ksi)
T9 70'-60'	Pipe	ROHN 8 EHS	A572-50 (50 ksi)	Double Equal Angle	2L3 1/2x3 1/2x1/4x3/8	A36 (36 ksi)
T10 60'-40'	Pipe	ROHN 8 EHS	A572-50 (50 ksi)	Single Angle	L4x4x1/4	A572-50 (50 ksi)
T11 40'-20'	Pipe	ROHN 8 EH	A572-50 (50 ksi)	Single Angle	L4x4x5/16	A572-50 (50 ksi)
T12 20'-0'	Pipe	ROHN 8 EH	A572-50 (50 ksi)	Double Equal Angle	2L4x4x5/16x3/8	A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 180'-160'	Equal Angle	L2x2x1/8	A36 (36 ksi)	Single Angle		A36 (36 ksi)
T3 153'4"-146'8"	Equal Angle	L2 1/2x2 1/2x1/8	A36 (36 ksi)	Single Angle		A36 (36 ksi)
T4 146'8"-140'	Single Angle	L2 1/2x2 1/2x1/8	A36	Single Angle		A36

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
			(36 ksi)			(36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
T1 180'-160'	1	Equal Angle	L2x2x1/8	A36 (36 ksi)	Single Angle		A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
T1 180'-160'	0.000	0.250	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T2 160'-153'4"	0.000	0.250	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T3 153'4"-146'8"	0.000	0.250	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T4 146'8"-140'	0.000	0.250	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T5 140'-120'	0.000	0.250	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T6 120'-100'	0.000	0.250	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T7 100'-80'	0.000	0.375	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T8 80'-70'	0.000	0.375	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T9 70'-60'	0.000	0.375	A36 (36 ksi)	1.03	1	1.05	120.000	Mid-Pt	Mid-Pt
T10 60'-40'	0.000	0.375	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T11 40'-20'	0.000	0.375	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	Mid-Pt	Mid-Pt
T12 20'-0'	0.000	0.375	A36 (36 ksi)	1.03	1	1.05	152.750	Mid-Pt	Mid-Pt

Tower Section Geometry *(cont'd)*

K Factors[1]

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Legs	X Brace Diags X	X Brace Diags Y	K Brace Diags X	K Brace Diags Y	Single Diags X	Single Diags Y	Girts X	Girts Y	Horiz. X	Horiz. Y	Sec. Horiz. X	Sec. Horiz. Y	Inner Brace X	Inner Brace Y
T1 180'-160'	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T2 160'-153'4"	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T3 153'4"-146'8"	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T4 146'8"-140'	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T5 140'-120'	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T6 120'-100'	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T7 100'-80'	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T8 80'-70'	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T9 70'-60'	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T10 60'-40'	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T11 40'-20'	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
T12 20'-0'	Yes	No	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

[1]*Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.*

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Net Width Deduct in	Leg U	Diagonal Net Width Deduct in	Diagonal U	Top Girt Net Width Deduct in	Top Girt U	Bottom Girt Net Width Deduct in	Bottom Girt U	Mid Girt Net Width Deduct in	Mid Girt U	Long Horizontal Net Width Deduct in	Long Horizontal U	Short Horizontal Net Width Deduct in	Short Horizontal U
T1 180'-160'	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T2 160'-153'4"	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T3 153'4"-146'8"	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T4 146'8"-140'	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T5 140'-120'	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T6 120'-100'	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T7 100'-80'	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T8 80'-70'	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T9 70'-60'	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T10 60'-40'	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T11 40'-20'	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T12 20'-0'	0.000	1	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 180'-160'	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T2 160'-153'4"	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T3 153'4"-146'8"	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T4 146'8"-140'	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T5 140'-120'	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T6 120'-100'	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T7 100'-80'	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T8 80'-70'	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T9 70'-60'	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T10 60'-40'	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T11 40'-20'	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75
T12 20'-0'	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75	0.000	0.75

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 180'-160'	Flange	0.875 A325N	4	0.625 A325N	1	0.625 A325N	1	0.000 A325X	0	0.625 A325N	1	0.625 A325X	0	0.625 A325N	0
T2 160'-153'4"	Flange	0.000 A325N	0	0.625 A325N	1	0.000 A325N	0	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0
T3 153'4"-146'8"	Flange	0.000 A325N	0	0.625 A325N	1	0.625 A325N	1	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0
T4 146'8"-140'	Flange	1.000 A325N	4	0.625 A325N	1	0.625 A325N	1	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0
T5 140'-120'	Flange	1.000 A325N	6	0.625 A325N	1	0.000 A325N	0	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0
T6 120'-100'	Flange	1.000 A325N	6	0.625 A325N	1	0.000 A325N	0	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0
T7 100'-80'	Flange	1.000 A325N	8	0.750 A325N	1	0.000 A325N	0	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0
T8 80'-70'	Flange	0.000 A325N	0	0.750 A325N	1	0.000 A325N	0	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0
T9 70'-60'	Flange	1.000 A325N	8	0.750 A325N	1	0.000 A325N	0	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0
T10 60'-40'	Flange	1.000 A325N	8	0.750 A325N	1	0.000 A325N	0	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0
T11 40'-20'	Flange	1.000 A325N	8	0.750 A325N	1	0.000 A325N	0	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0
T12 20'-0'	Flange	1.000 A449	0	0.750 A325N	1	0.000 A325N	0	0.000 A325X	0	0.625 A325X	0	0.625 A325X	0	0.625 A325N	0

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight klf
***													
Feedline Ladder (Af)	B	No	No	Af (CaAa)	180' - 0'	0.000	0.38	1	1	3.000	3.000		0.008
***													
HB158-21U6S24-xxM_TMO (1-5/8)	A	No	No	Ar (CaAa)	170' - 0'	0.000	0.08	6	6	0.850 0.750	1.996		0.003
LDF1-50A(1/4)	A	No	No	Ar (CaAa)	5' - 0'	0.000	0.15	2	2	0.345	0.345		0.000
Feedline Ladder (Af)	A	No	No	Af (CaAa)	170' - 0'	0.000	0.05	1	1	3.000	3.000		0.008
***													
MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	A	No	No	Ar (CaAa)	148' - 0'	0.000	-0.35	4	4	1.250	1.250		0.000
***													
2-1/4" Rigid Conduit	A	No	No	Ar (CaAa)	136' - 0'	0.000	-0.38	2	2	0.850 0.750	2.250		0.003
LDF4-50A(1/2)	A	No	No	Ar (CaAa)	136' - 0'	0.000	-0.395	1	1	0.630	0.630		0.000
9207(5/16)	A	No	No	Ar (CaAa)	136' - 0'	0.000	-0.38	6	6	0.200	0.330		0.001
7983A(ELLIPTICAL)	A	No	No	Ar (CaAa)	157' - 0'	0.000	-0.405	2	1	0.500	0.573		0.000
Feedline Ladder (Af)	A	No	No	Af (CaAa)	160' - 0'	0.000	-0.36	1	1	3.000	3.000		0.008
***													
Feedline Ladder (Af)	C	No	No	Af (CaAa)	180' - 0'	0.000	-0.4	1	1	3.000	3.000		0.008
***													
LDF7-50A(1 5/8)	C	No	No	Ar (CaAa)	126' - 0'	-3.000	-0.4	7	7	1.980	1.980		0.001
LDF4-50A(1/2)	C	No	No	Ar (CaAa)	126' - 0'	-1.000	-0.455	1	1	0.500	0.630		0.000
Feedline Ladder (Af)	C	No	No	Af (CaAa)	126' - 0'	-1.000	-0.4	1	1	3.000	3.000		0.008
***													
Feedline Ladder (Af)	C	No	No	Af (CaAa)	161' - 0'	0.000	0.38	1	1	3.000	3.000		0.008
***													
CR 50 1873(1-5/8)	C	No	No	Ar (CaAa)	161' - 0'	0.000	0.34	6	3	0.850 0.750	1.980		0.001
***													
Safety Line 3/8	B	No	No	Ar (CaAa)	180' - 0'	0.000	0.5	1	1	0.375	0.375		0.000
***													
CR 50 1873(1-5/8)	B	No	No	Ar (CaAa)	112' - 0'	0.000	0.4	6	6	0.850 0.750	1.980		0.001
*													
CU12PSM6P4 XXX(1-3/4)	B	No	No	Ar (CaAa)	180' - 0'	0.000	0.48	1	1	1.750	1.750		0.003
*													
PWRT-604-S_CCIV2(1-1/8)	C	No	No	Ar (CaAa)	161' - 0'	0.000	0.29	4	2	0.850 0.750	1.159		0.001
PWRT-608-S(13/16)	C	No	No	Ar (CaAa)	161' - 0'	0.000	0.31	4	4	0.820	0.820		0.001
FB-L98-002-XXX(3/8)	C	No	No	Ar (CaAa)	161' - 0'	2.000	0.31	3	3	0.394	0.394		0.000

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	180'-160'	A	0.000	0.000	16.976	0.000	0.234
		B	0.000	0.000	14.250	0.000	0.227
		C	0.000	0.000	12.598	0.000	0.189
T2	160'-153'4"	A	0.000	0.000	15.071	0.000	0.213
		B	0.000	0.000	4.750	0.000	0.076
		C	0.000	0.000	20.651	0.000	0.196
T3	153'4"-146'8"	A	0.000	0.000	16.081	0.000	0.216
		B	0.000	0.000	4.750	0.000	0.076
		C	0.000	0.000	20.651	0.000	0.196
T4	146'8"-140'	A	0.000	0.000	18.748	0.000	0.225
		B	0.000	0.000	4.750	0.000	0.076
		C	0.000	0.000	20.651	0.000	0.196
T5	140'-120'	A	0.000	0.000	67.620	0.000	0.832
		B	0.000	0.000	14.250	0.000	0.227
		C	0.000	0.000	73.648	0.000	0.675
T6	120'-100'	A	0.000	0.000	70.464	0.000	0.871
		B	0.000	0.000	28.506	0.000	0.287
		C	0.000	0.000	100.934	0.000	0.875
T7	100'-80'	A	0.000	0.000	70.464	0.000	0.871
		B	0.000	0.000	38.010	0.000	0.326
		C	0.000	0.000	100.934	0.000	0.875
T8	80'-70'	A	0.000	0.000	35.232	0.000	0.436
		B	0.000	0.000	19.005	0.000	0.163
		C	0.000	0.000	50.467	0.000	0.437
T9	70'-60'	A	0.000	0.000	35.232	0.000	0.436
		B	0.000	0.000	19.005	0.000	0.163
		C	0.000	0.000	50.467	0.000	0.437
T10	60'-40'	A	0.000	0.000	70.464	0.000	0.871
		B	0.000	0.000	38.010	0.000	0.326
		C	0.000	0.000	100.934	0.000	0.875
T11	40'-20'	A	0.000	0.000	70.464	0.000	0.871
		B	0.000	0.000	38.010	0.000	0.326
		C	0.000	0.000	100.934	0.000	0.875
T12	20'-0'	A	0.000	0.000	70.809	0.000	0.872
		B	0.000	0.000	38.010	0.000	0.326
		C	0.000	0.000	100.934	0.000	0.875

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	180'-160'	A	1.001	0.000	0.000	30.331	0.000	0.493
		B		0.000	0.000	26.267	0.000	0.451
		C		0.000	0.000	18.690	0.000	0.353
T2	160'-153'4"	A	0.993	0.000	0.000	26.888	0.000	0.438
		B		0.000	0.000	8.723	0.000	0.149
		C		0.000	0.000	35.801	0.000	0.506
T3	153'4"-146'8"	A	0.989	0.000	0.000	30.391	0.000	0.466
		B		0.000	0.000	8.706	0.000	0.149
		C		0.000	0.000	35.750	0.000	0.504

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T4	146'8"-140'	A	0.984	0.000	0.000	37.819	0.000	0.531
		B		0.000	0.000	8.688	0.000	0.149
		C		0.000	0.000	35.697	0.000	0.503
T5	140'-120'	A	0.975	0.000	0.000	145.033	0.000	1.949
		B		0.000	0.000	25.949	0.000	0.443
		C		0.000	0.000	128.977	0.000	1.782
T6	120'-100'	A	0.959	0.000	0.000	152.271	0.000	2.020
		B		0.000	0.000	53.450	0.000	0.725
		C		0.000	0.000	179.679	0.000	2.408
T7	100'-80'	A	0.940	0.000	0.000	151.422	0.000	1.996
		B		0.000	0.000	71.572	0.000	0.904
		C		0.000	0.000	178.322	0.000	2.375
T8	80'-70'	A	0.923	0.000	0.000	75.333	0.000	0.988
		B		0.000	0.000	35.634	0.000	0.447
		C		0.000	0.000	88.556	0.000	1.172
T9	70'-60'	A	0.910	0.000	0.000	75.041	0.000	0.980
		B		0.000	0.000	35.516	0.000	0.443
		C		0.000	0.000	88.089	0.000	1.161
T10	60'-40'	A	0.886	0.000	0.000	149.035	0.000	1.931
		B		0.000	0.000	70.611	0.000	0.872
		C		0.000	0.000	174.501	0.000	2.282
T11	40'-20'	A	0.842	0.000	0.000	147.074	0.000	1.878
		B		0.000	0.000	69.820	0.000	0.846
		C		0.000	0.000	171.359	0.000	2.207
T12	20'-0'	A	0.754	0.000	0.000	145.160	0.000	1.784
		B		0.000	0.000	68.253	0.000	0.795
		C		0.000	0.000	165.128	0.000	2.063

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T1	180'-160'	3.725	1.289	5.684	2.348
T2	160'-153'4"	-8.278	5.265	-8.671	7.088
T3	153'4"-146'8"	-8.324	5.232	-9.238	7.225
T4	146'8"-140'	-9.856	5.961	-10.912	8.154
T5	140'-120'	-9.849	8.345	-9.839	10.779
T6	120'-100'	-1.754	11.439	-0.612	14.185
T7	100'-80'	-0.477	13.948	0.568	16.972
T8	80'-70'	-0.492	14.553	0.559	17.696
T9	70'-60'	-0.508	15.144	0.552	18.403
T10	60'-40'	-0.506	15.319	0.510	18.930
T11	40'-20'	-0.531	16.291	0.419	20.038
T12	20'-0'	-0.598	17.094	0.039	20.525

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	2	Feedline Ladder (Af)	160.00 -	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
			180.00		
T1	5	HB158-21U6S24-xxM_TMO (1-5/8)	160.00 - 170.00	0.6000	0.6000
T1	10	Feedline Ladder (Af)	160.00 - 170.00	0.6000	0.6000
T1	21	Feedline Ladder (Af)	160.00 - 180.00	0.6000	0.6000
T1	34	Feedline Ladder (Af)	160.00 - 161.00	0.6000	0.6000
T1	36	CR 50 1873(1-5/8)	160.00 - 161.00	0.6000	0.6000
T1	41	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T1	45	CU12PSM6P4XXX(1-3/4)	160.00 - 180.00	0.6000	0.6000
T1	47	PWRT-604-S_CCIV2(1-1/8)	160.00 - 161.00	0.6000	0.6000
T1	48	PWRT-608-S(13/16)	160.00 - 161.00	0.6000	0.6000
T1	49	FB-L98-002-XXX(3/8)	160.00 - 161.00	0.6000	0.6000
T2	2	Feedline Ladder (Af)	153.33 - 160.00	0.6000	0.6000
T2	5	HB158-21U6S24-xxM_TMO (1-5/8)	153.33 - 160.00	0.6000	0.6000
T2	10	Feedline Ladder (Af)	153.33 - 160.00	0.6000	0.6000
T2	18	7983A(ELLIPTICAL)	153.33 - 157.00	0.6000	0.6000
T2	19	Feedline Ladder (Af)	153.33 - 160.00	0.6000	0.6000
T2	21	Feedline Ladder (Af)	153.33 - 160.00	0.6000	0.6000
T2	34	Feedline Ladder (Af)	153.33 - 160.00	0.6000	0.6000
T2	36	CR 50 1873(1-5/8)	153.33 - 160.00	0.6000	0.6000
T2	41	Safety Line 3/8	153.33 - 160.00	0.6000	0.6000
T2	45	CU12PSM6P4XXX(1-3/4)	153.33 - 160.00	0.6000	0.6000
T2	47	PWRT-604-S_CCIV2(1-1/8)	153.33 - 160.00	0.6000	0.6000
T2	48	PWRT-608-S(13/16)	153.33 - 160.00	0.6000	0.6000
T2	49	FB-L98-002-XXX(3/8)	153.33 - 160.00	0.6000	0.6000
T3	2	Feedline Ladder (Af)	146.67 - 153.33	0.6000	0.6000
T3	5	HB158-21U6S24-xxM_TMO (1-5/8)	146.67 - 153.33	0.6000	0.6000
T3	10	Feedline Ladder (Af)	146.67 - 153.33	0.6000	0.6000
T3	13	MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	146.67 - 148.00	0.6000	0.6000
T3	18	7983A(ELLIPTICAL)	146.67 - 153.33	0.6000	0.6000
T3	19	Feedline Ladder (Af)	146.67 - 153.33	0.6000	0.6000
T3	21	Feedline Ladder (Af)	146.67 - 153.33	0.6000	0.6000
T3	34	Feedline Ladder (Af)	146.67 -	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T3	36	CR 50 1873(1-5/8)	153.33 - 146.67	0.6000	0.6000
T3	41	Safety Line 3/8	153.33 - 146.67	0.6000	0.6000
T3	45	CU12PSM6P4XXX(1-3/4)	153.33 - 146.67	0.6000	0.6000
T3	47	PWRT-604-S_CCIV2(1-1/8)	153.33 - 146.67	0.6000	0.6000
T3	48	PWRT-608-S(13/16)	153.33 - 146.67	0.6000	0.6000
T3	49	FB-L98-002-XXX(3/8)	153.33 - 146.67	0.6000	0.6000
T4	2	Feedline Ladder (Af)	146.67 - 140.00	0.6000	0.6000
T4	5	HB158-21U6S24-xxM_TMO (1-5/8)	146.67 - 140.00	0.6000	0.6000
T4	10	Feedline Ladder (Af)	146.67 - 140.00	0.6000	0.6000
T4	13	MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	146.67 - 140.00	0.6000	0.6000
T4	18	7983A(ELLIPTICAL)	146.67 - 140.00	0.6000	0.6000
T4	19	Feedline Ladder (Af)	146.67 - 140.00	0.6000	0.6000
T4	21	Feedline Ladder (Af)	146.67 - 140.00	0.6000	0.6000
T4	34	Feedline Ladder (Af)	146.67 - 140.00	0.6000	0.6000
T4	36	CR 50 1873(1-5/8)	146.67 - 140.00	0.6000	0.6000
T4	41	Safety Line 3/8	146.67 - 140.00	0.6000	0.6000
T4	45	CU12PSM6P4XXX(1-3/4)	146.67 - 140.00	0.6000	0.6000
T4	47	PWRT-604-S_CCIV2(1-1/8)	146.67 - 140.00	0.6000	0.6000
T4	48	PWRT-608-S(13/16)	146.67 - 140.00	0.6000	0.6000
T4	49	FB-L98-002-XXX(3/8)	146.67 - 140.00	0.6000	0.6000
T5	2	Feedline Ladder (Af)	140.00 - 120.00	0.6000	0.6000
T5	5	HB158-21U6S24-xxM_TMO (1-5/8)	140.00 - 120.00	0.6000	0.6000
T5	10	Feedline Ladder (Af)	140.00 - 120.00	0.6000	0.6000
T5	13	MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	140.00 - 120.00	0.6000	0.6000
T5	15	2-1/4" Rigid Conduit	136.00 - 120.00	0.6000	0.6000
T5	16	LDF4-50A(1/2)	136.00 - 120.00	0.0000	0.0000
T5	17	9207(5/16)	136.00 - 120.00	0.0000	0.0000
T5	18	7983A(ELLIPTICAL)	140.00 - 120.00	0.6000	0.6000
T5	19	Feedline Ladder (Af)	140.00 - 120.00	0.6000	0.6000
T5	21	Feedline Ladder (Af)	140.00 - 120.00	0.6000	0.6000
T5	23	LDF7-50A(1 5/8)	120.00 -	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T5	25	LDF4-50A(1/2)	120.00 - 126.00	0.6000	0.6000
T5	26	Feedline Ladder (Af)	120.00 - 126.00	0.6000	0.6000
T5	34	Feedline Ladder (Af)	120.00 - 140.00	0.6000	0.6000
T5	36	CR 50 1873(1-5/8)	120.00 - 140.00	0.6000	0.6000
T5	41	Safety Line 3/8	120.00 - 140.00	0.6000	0.6000
T5	45	CU12PSM6P4XXX(1-3/4)	120.00 - 140.00	0.6000	0.6000
T5	47	PWRT-604-S_CCIV2(1-1/8)	120.00 - 140.00	0.6000	0.6000
T5	48	PWRT-608-S(13/16)	120.00 - 140.00	0.6000	0.6000
T5	49	FB-L98-002-XXX(3/8)	120.00 - 140.00	0.6000	0.6000
T6	2	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T6	5	HB158-21U6S24-xxM_TMO (1-5/8)	100.00 - 120.00	0.6000	0.6000
T6	10	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T6	13	MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	100.00 - 120.00	0.6000	0.6000
T6	15	2-1/4" Rigid Conduit	100.00 - 120.00	0.6000	0.6000
T6	16	LDF4-50A(1/2)	100.00 - 120.00	0.0000	0.0000
T6	17	9207(5/16)	100.00 - 120.00	0.0000	0.0000
T6	18	7983A(ELLIPTICAL)	100.00 - 120.00	0.6000	0.6000
T6	19	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T6	21	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T6	23	LDF7-50A(1 5/8)	100.00 - 120.00	0.6000	0.6000
T6	25	LDF4-50A(1/2)	100.00 - 120.00	0.6000	0.6000
T6	26	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T6	34	Feedline Ladder (Af)	100.00 - 120.00	0.6000	0.6000
T6	36	CR 50 1873(1-5/8)	100.00 - 120.00	0.6000	0.6000
T6	41	Safety Line 3/8	100.00 - 120.00	0.6000	0.6000
T6	43	CR 50 1873(1-5/8)	100.00 - 112.00	0.6000	0.6000
T6	45	CU12PSM6P4XXX(1-3/4)	100.00 - 120.00	0.6000	0.6000
T6	47	PWRT-604-S_CCIV2(1-1/8)	100.00 - 120.00	0.6000	0.6000
T6	48	PWRT-608-S(13/16)	100.00 - 120.00	0.6000	0.6000
T6	49	FB-L98-002-XXX(3/8)	100.00 - 120.00	0.6000	0.6000
T7	2	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T7	5	HB158-21U6S24-xxM_TMO (1-5/8)	80.00 - 100.00	0.6000	0.6000
T7	10	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T7	13	MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	80.00 - 100.00	0.6000	0.6000
T7	15	2-1/4" Rigid Conduit	80.00 - 100.00	0.6000	0.6000
T7	16	LDF4-50A(1/2)	80.00 - 100.00	0.0000	0.0000
T7	17	9207(5/16)	80.00 - 100.00	0.0000	0.0000
T7	18	7983A(ELLIPTICAL)	80.00 - 100.00	0.6000	0.6000
T7	19	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T7	21	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T7	23	LDF7-50A(1 5/8)	80.00 - 100.00	0.6000	0.6000
T7	25	LDF4-50A(1/2)	80.00 - 100.00	0.6000	0.6000
T7	26	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T7	34	Feedline Ladder (Af)	80.00 - 100.00	0.6000	0.6000
T7	36	CR 50 1873(1-5/8)	80.00 - 100.00	0.6000	0.6000
T7	41	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T7	43	CR 50 1873(1-5/8)	80.00 - 100.00	0.6000	0.6000
T7	45	CU12PSM6P4XXX(1-3/4)	80.00 - 100.00	0.6000	0.6000
T7	47	PWRT-604-S_CCIV2(1-1/8)	80.00 - 100.00	0.6000	0.6000
T7	48	PWRT-608-S(13/16)	80.00 - 100.00	0.6000	0.6000
T7	49	FB-L98-002-XXX(3/8)	80.00 - 100.00	0.6000	0.6000
T8	2	Feedline Ladder (Af)	70.00 - 80.00	0.6000	0.6000
T8	5	HB158-21U6S24-xxM_TMO (1-5/8)	70.00 - 80.00	0.6000	0.6000
T8	10	Feedline Ladder (Af)	70.00 - 80.00	0.6000	0.6000
T8	13	MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	70.00 - 80.00	0.6000	0.6000
T8	15	2-1/4" Rigid Conduit	70.00 - 80.00	0.6000	0.6000
T8	16	LDF4-50A(1/2)	70.00 - 80.00	0.0000	0.0000
T8	17	9207(5/16)	70.00 - 80.00	0.0000	0.0000
T8	18	7983A(ELLIPTICAL)	70.00 - 80.00	0.6000	0.6000
T8	19	Feedline Ladder (Af)	70.00 - 80.00	0.6000	0.6000
T8	21	Feedline Ladder (Af)	70.00 - 80.00	0.6000	0.6000
T8	23	LDF7-50A(1 5/8)	70.00 - 80.00	0.6000	0.6000
T8	25	LDF4-50A(1/2)	70.00 - 80.00	0.6000	0.6000
T8	26	Feedline Ladder (Af)	70.00 - 80.00	0.6000	0.6000
T8	34	Feedline Ladder (Af)	70.00 - 80.00	0.6000	0.6000
T8	36	CR 50 1873(1-5/8)	70.00 - 80.00	0.6000	0.6000
T8	41	Safety Line 3/8	70.00 - 80.00	0.6000	0.6000
T8	43	CR 50 1873(1-5/8)	70.00 - 80.00	0.6000	0.6000
T8	45	CU12PSM6P4XXX(1-3/4)	70.00 - 80.00	0.6000	0.6000
T8	47	PWRT-604-S_CCIV2(1-1/8)	70.00 - 80.00	0.6000	0.6000
T8	48	PWRT-608-S(13/16)	70.00 - 80.00	0.6000	0.6000
T8	49	FB-L98-002-XXX(3/8)	70.00 - 80.00	0.6000	0.6000
T9	2	Feedline Ladder (Af)	60.00 - 70.00	0.6000	0.6000
T9	5	HB158-21U6S24-xxM_TMO (1-5/8)	60.00 - 70.00	0.6000	0.6000
T9	10	Feedline Ladder (Af)	60.00 - 70.00	0.6000	0.6000
T9	13	MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	60.00 - 70.00	0.6000	0.6000
T9	15	2-1/4" Rigid Conduit	60.00 - 70.00	0.6000	0.6000
T9	16	LDF4-50A(1/2)	60.00 - 70.00	0.0000	0.0000
T9	17	9207(5/16)	60.00 - 70.00	0.0000	0.0000
T9	18	7983A(ELLIPTICAL)	60.00 - 70.00	0.6000	0.6000
T9	19	Feedline Ladder (Af)	60.00 - 70.00	0.6000	0.6000
T9	21	Feedline Ladder (Af)	60.00 - 70.00	0.6000	0.6000
T9	23	LDF7-50A(1 5/8)	60.00 - 70.00	0.6000	0.6000
T9	25	LDF4-50A(1/2)	60.00 - 70.00	0.6000	0.6000
T9	26	Feedline Ladder (Af)	60.00 - 70.00	0.6000	0.6000
T9	34	Feedline Ladder (Af)	60.00 - 70.00	0.6000	0.6000
T9	36	CR 50 1873(1-5/8)	60.00 - 70.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T9	41	Safety Line 3/8	60.00 - 70.00	0.6000	0.6000
T9	43	CR 50 1873(1-5/8)	60.00 - 70.00	0.6000	0.6000
T9	45	CU12PSM6P4XXX(1-3/4)	60.00 - 70.00	0.6000	0.6000
T9	47	PWRT-604-S_CCIV2(1-1/8)	60.00 - 70.00	0.6000	0.6000
T9	48	PWRT-608-S(13/16)	60.00 - 70.00	0.6000	0.6000
T9	49	FB-L98-002-XXX(3/8)	60.00 - 70.00	0.6000	0.6000
T10	2	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T10	5	HB158-21U6S24-xxM_TMO (1-5/8)	40.00 - 60.00	0.6000	0.6000
T10	10	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T10	13	MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	40.00 - 60.00	0.6000	0.6000
T10	15	2-1/4" Rigid Conduit	40.00 - 60.00	0.6000	0.6000
T10	16	LDF4-50A(1/2)	40.00 - 60.00	0.0000	0.0000
T10	17	9207(5/16)	40.00 - 60.00	0.0000	0.0000
T10	18	7983A(ELLIPTICAL)	40.00 - 60.00	0.6000	0.6000
T10	19	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T10	21	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T10	23	LDF7-50A(1 5/8)	40.00 - 60.00	0.6000	0.6000
T10	25	LDF4-50A(1/2)	40.00 - 60.00	0.6000	0.6000
T10	26	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T10	34	Feedline Ladder (Af)	40.00 - 60.00	0.6000	0.6000
T10	36	CR 50 1873(1-5/8)	40.00 - 60.00	0.6000	0.6000
T10	41	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T10	43	CR 50 1873(1-5/8)	40.00 - 60.00	0.6000	0.6000
T10	45	CU12PSM6P4XXX(1-3/4)	40.00 - 60.00	0.6000	0.6000
T10	47	PWRT-604-S_CCIV2(1-1/8)	40.00 - 60.00	0.6000	0.6000
T10	48	PWRT-608-S(13/16)	40.00 - 60.00	0.6000	0.6000
T10	49	FB-L98-002-XXX(3/8)	40.00 - 60.00	0.6000	0.6000
T11	2	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T11	5	HB158-21U6S24-xxM_TMO (1-5/8)	20.00 - 40.00	0.6000	0.6000
T11	10	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T11	13	MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	20.00 - 40.00	0.6000	0.6000
T11	15	2-1/4" Rigid Conduit	20.00 - 40.00	0.6000	0.6000
T11	16	LDF4-50A(1/2)	20.00 - 40.00	0.0000	0.0000
T11	17	9207(5/16)	20.00 - 40.00	0.0000	0.0000
T11	18	7983A(ELLIPTICAL)	20.00 - 40.00	0.6000	0.6000
T11	19	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T11	21	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T11	23	LDF7-50A(1 5/8)	20.00 - 40.00	0.6000	0.6000
T11	25	LDF4-50A(1/2)	20.00 - 40.00	0.6000	0.6000
T11	26	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T11	34	Feedline Ladder (Af)	20.00 - 40.00	0.6000	0.6000
T11	36	CR 50 1873(1-5/8)	20.00 - 40.00	0.6000	0.6000
T11	41	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T11	43	CR 50 1873(1-5/8)	20.00 - 40.00	0.6000	0.6000
T11	45	CU12PSM6P4XXX(1-3/4)	20.00 - 40.00	0.6000	0.6000
T11	47	PWRT-604-S_CCIV2(1-1/8)	20.00 - 40.00	0.6000	0.6000
T11	48	PWRT-608-S(13/16)	20.00 - 40.00	0.6000	0.6000
T11	49	FB-L98-002-XXX(3/8)	20.00 - 40.00	0.6000	0.6000
T12	2	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T12	5	HB158-21U6S24-xxM_TMO (1-5/8)	0.00 - 20.00	0.6000	0.6000
T12	9	LDF1-50A(1/4)	0.00 - 5.00	0.6000	0.6000
T12	10	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T12	13	MLE Hybrid 3Power/6Fiber RL 2 10AWG(1-1/4)	0.00 - 20.00	0.6000	0.6000
T12	15	2-1/4" Rigid Conduit	0.00 - 20.00	0.6000	0.6000
T12	16	LDF4-50A(1/2)	0.00 - 20.00	0.0000	0.0000
T12	17	9207(5/16)	0.00 - 20.00	0.0000	0.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T12	18	7983A(ELLIPTICAL)	0.00 - 20.00	0.6000	0.6000
T12	19	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T12	21	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T12	23	LDF7-50A(1 5/8)	0.00 - 20.00	0.6000	0.6000
T12	25	LDF4-50A(1/2)	0.00 - 20.00	0.6000	0.6000
T12	26	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T12	34	Feedline Ladder (Af)	0.00 - 20.00	0.6000	0.6000
T12	36	CR 50 1873(1-5/8)	0.00 - 20.00	0.6000	0.6000
T12	41	Safety Line 3/8	0.00 - 20.00	0.6000	0.6000
T12	43	CR 50 1873(1-5/8)	0.00 - 20.00	0.6000	0.6000
T12	45	CU12PSM6P4XXX(1-3/4)	0.00 - 20.00	0.6000	0.6000
T12	47	PWRT-604-S_CCIV2(1-1/8)	0.00 - 20.00	0.6000	0.6000
T12	48	PWRT-608-S(13/16)	0.00 - 20.00	0.6000	0.6000
T12	49	FB-L98-002-XXX(3/8)	0.00 - 20.00	0.6000	0.6000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral / Vert (ft / ft / ft)	Azimuth Adjustment (°)	Placement (ft)		C_AA_A Front (ft^2)	C_AA_A Side (ft^2)	Weight (K)
*									
MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	8.010 8.520 9.040	4.230 4.690 5.160	0.108 0.194 0.292
MX08FRO665-21 w/ Mount Pipe	B	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	8.010 8.520 9.040	4.230 4.690 5.160	0.108 0.194 0.292
MX08FRO665-21 w/ Mount Pipe	C	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	8.010 8.520 9.040	4.230 4.690 5.160	0.108 0.194 0.292
TA08025-B604	A	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	1.964 2.138 2.320	0.981 1.112 1.250	0.064 0.081 0.100
TA08025-B604	B	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	1.964 2.138 2.320	0.981 1.112 1.250	0.064 0.081 0.100
TA08025-B604	C	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	1.964 2.138 2.320	0.981 1.112 1.250	0.064 0.081 0.100
TA08025-B605	A	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	1.964 2.138 2.320	1.129 1.267 1.411	0.075 0.093 0.114
TA08025-B605	B	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	1.964 2.138 2.320	1.129 1.267 1.411	0.075 0.093 0.114
TA08025-B605	C	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	1.964 2.138 2.320	1.129 1.267 1.411	0.075 0.093 0.114
RDIDC-9181-PF-48	A	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	2.012 2.189 2.373	1.168 1.311 1.461	0.022 0.040 0.060

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) 8' x 2" Mount Pipe	A	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	1.900 2.728 3.401	1.900 2.728 3.401	0.029 0.044 0.063
(2) 8' x 2" Mount Pipe	B	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	1.900 2.728 3.401	1.900 2.728 3.401	0.029 0.044 0.063
(2) 8' x 2" Mount Pipe	C	From Leg	4.000 0' 0'	0.000	181'	No Ice 1/2" Ice 1" Ice	1.900 2.728 3.401	1.900 2.728 3.401	0.029 0.044 0.063
Commscope MTC3975083 (3) *	C	None		0.000	181'	No Ice 1/2" Ice 1" Ice	23.850 34.120 44.390	23.850 34.120 44.390	1.260 1.803 2.345
AIR 32 B2A/B66AA w/ Mount Pipe	A	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	3.760 4.120 4.480	3.150 3.490 3.840	0.194 0.252 0.320
AIR 32 B2A/B66AA w/ Mount Pipe	B	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	3.760 4.120 4.480	3.150 3.490 3.840	0.194 0.252 0.320
AIR 32 B2A/B66AA w/ Mount Pipe	C	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	3.760 4.120 4.480	3.150 3.490 3.840	0.194 0.252 0.320
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	14.690 15.460 16.230	6.870 7.550 8.250	0.186 0.315 0.458
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	14.690 15.460 16.230	6.870 7.550 8.250	0.186 0.315 0.458
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	14.690 15.460 16.230	6.870 7.550 8.250	0.186 0.315 0.458
AIR 3246 B66_T-MOBILE w/ Mount Pipe	A	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	7.310 7.890 8.490	5.460 6.010 6.570	0.248 0.313 0.389
AIR 3246 B66_T-MOBILE w/ Mount Pipe	B	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	7.310 7.890 8.490	5.460 6.010 6.570	0.248 0.313 0.389
AIR 3246 B66_T-MOBILE w/ Mount Pipe	C	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	7.310 7.890 8.490	5.460 6.010 6.570	0.248 0.313 0.389
AIR6449 B41 w/ Mount Pipe	A	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	5.180 5.590 6.010	2.720 3.050 3.390	0.118 0.164 0.216
AIR6449 B41 w/ Mount Pipe	B	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	5.180 5.590 6.010	2.720 3.050 3.390	0.118 0.164 0.216
AIR6449 B41 w/ Mount Pipe	C	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	5.180 5.590 6.010	2.720 3.050 3.390	0.118 0.164 0.216
RADIO 4460 B2/B25 B66_TMO	A	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	2.139 2.321 2.511	1.686 1.850 2.022	0.109 0.131 0.156
RADIO 4460 B2/B25 B66_TMO	B	From Leg	4.000 0' 0'	0.000	170'	No Ice 1/2" Ice 1" Ice	2.139 2.321 2.511	1.686 1.850 2.022	0.109 0.131 0.156
RADIO 4460 B2/B25 B66_TMO	C	From Leg	4.000 0'	0.000	170'	No Ice 1/2" Ice	2.139 2.321	1.686 1.850	0.109 0.131

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0'			1" Ice	2.511	2.022	0.156
RADIO 4449 B71	A	From Leg	4.000	0.000	170'	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0'			1/2" Ice	2.147	1.749	0.093
			0'			1" Ice	2.331	1.918	0.116
RADIO 4449 B71	B	From Leg	4.000	0.000	170'	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0'			1/2" Ice	2.147	1.749	0.093
			0'			1" Ice	2.331	1.918	0.116
RADIO 4449 B71	C	From Leg	4.000	0.000	170'	No Ice	1.970	1.587	0.073
B85A_T-MOBILE			0'			1/2" Ice	2.147	1.749	0.093
			0'			1" Ice	2.331	1.918	0.116
Sector Mount [SM 702-3]	C	None		0.000	170'	No Ice	38.890	38.890	1.551
						1/2" Ice	50.400	50.400	2.279
						1" Ice	61.770	61.770	3.217
*									
AIR 6419 B77G w/ Mount	A	From Leg	4.000	0.000	161'	No Ice	4.320	2.490	0.078
Pipe			0'			1/2" Ice	4.740	2.840	0.110
			2'			1" Ice	5.170	3.210	0.147
AIR 6419 B77G w/ Mount	B	From Leg	4.000	0.000	161'	No Ice	4.320	2.490	0.078
Pipe			0'			1/2" Ice	4.740	2.840	0.110
			2'			1" Ice	5.170	3.210	0.147
AIR 6419 B77G w/ Mount	C	From Leg	4.000	0.000	161'	No Ice	4.320	2.490	0.078
Pipe			0'			1/2" Ice	4.740	2.840	0.110
			2'			1" Ice	5.170	3.210	0.147
AIR 6449 B77D w/ Mount	A	From Leg	4.000	0.000	161'	No Ice	3.580	2.310	0.095
Pipe			0'			1/2" Ice	3.920	2.600	0.130
			-2'			1" Ice	4.270	2.910	0.173
AIR 6449 B77D w/ Mount	B	From Leg	4.000	0.000	161'	No Ice	3.580	2.310	0.095
Pipe			0'			1/2" Ice	3.920	2.600	0.130
			-2'			1" Ice	4.270	2.910	0.173
AIR 6449 B77D w/ Mount	C	From Leg	4.000	0.000	161'	No Ice	3.580	2.310	0.095
Pipe			0'			1/2" Ice	3.920	2.600	0.130
			-2'			1" Ice	4.270	2.910	0.173
DMP65R-BU6D w/ Mount	A	From Leg	4.000	0.000	161'	No Ice	11.960	5.970	0.115
Pipe			0'			1/2" Ice	12.700	6.630	0.201
			0'			1" Ice	13.460	7.300	0.298
DMP65R-BU6D w/ Mount	B	From Leg	4.000	0.000	161'	No Ice	11.960	5.970	0.115
Pipe			0'			1/2" Ice	12.700	6.630	0.201
			0'			1" Ice	13.460	7.300	0.298
DMP65R-BU4D w/ Mount	C	From Leg	4.000	0.000	161'	No Ice	7.530	3.790	0.095
Pipe			0'			1/2" Ice	8.040	4.230	0.156
			0'			1" Ice	8.570	4.680	0.225
QD6616-7 w/ Mount Pipe	A	From Leg	4.000	0.000	161'	No Ice	12.560	6.930	0.156
			0'			1/2" Ice	13.300	7.600	0.252
			0'			1" Ice	14.060	8.280	0.360
QD6616-7 w/ Mount Pipe	B	From Leg	4.000	0.000	161'	No Ice	12.560	6.930	0.156
			0'			1/2" Ice	13.300	7.600	0.252
			0'			1" Ice	14.060	8.280	0.360
QD4616-7 w/ Mount Pipe	C	From Leg	4.000	0.000	161'	No Ice	8.880	4.920	0.128
			0'			1/2" Ice	9.450	5.420	0.200
			0'			1" Ice	10.040	5.930	0.281
RRUS 32 B2	A	From Leg	4.000	0.000	161'	No Ice	2.731	1.668	0.053
			0'			1/2" Ice	2.953	1.855	0.074
			0'			1" Ice	3.182	2.049	0.098
RRUS 32 B2	B	From Leg	4.000	0.000	161'	No Ice	2.731	1.668	0.053
			0'			1/2" Ice	2.953	1.855	0.074
			0'			1" Ice	3.182	2.049	0.098
RRUS 32 B2	C	From Leg	4.000	0.000	161'	No Ice	2.731	1.668	0.053

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0'			1/2" Ice	2.953	1.855	0.074
			0'			1" Ice	3.182	2.049	0.098
RRUS 4426 B66	A	From Leg	4.000	0.000	161'	No Ice	1.644	0.725	0.048
			0'			1/2" Ice	1.804	0.842	0.061
			0'			1" Ice	1.972	0.969	0.076
RRUS 4426 B66	B	From Leg	4.000	0.000	161'	No Ice	1.644	0.725	0.048
			0'			1/2" Ice	1.804	0.842	0.061
			0'			1" Ice	1.972	0.969	0.076
RRUS 4426 B66	C	From Leg	4.000	0.000	161'	No Ice	1.644	0.725	0.048
			0'			1/2" Ice	1.804	0.842	0.061
			0'			1" Ice	1.972	0.969	0.076
RRUS 32 B30	A	From Leg	4.000	0.000	161'	No Ice	2.692	1.573	0.060
			0'			1/2" Ice	2.912	1.756	0.080
			0'			1" Ice	3.138	1.945	0.104
RRUS 32 B30	B	From Leg	4.000	0.000	161'	No Ice	2.692	1.573	0.060
			0'			1/2" Ice	2.912	1.756	0.080
			0'			1" Ice	3.138	1.945	0.104
RRUS 32 B30	C	From Leg	4.000	0.000	161'	No Ice	2.692	1.573	0.060
			0'			1/2" Ice	2.912	1.756	0.080
			0'			1" Ice	3.138	1.945	0.104
DC6-48-60-18-8F	A	From Leg	4.000	0.000	161'	No Ice	1.212	1.212	0.033
			0'			1/2" Ice	1.892	1.892	0.055
			0'			1" Ice	2.105	2.105	0.080
DC6-48-60-18-8F	B	From Leg	4.000	0.000	161'	No Ice	1.212	1.212	0.033
			0'			1/2" Ice	1.892	1.892	0.055
			0'			1" Ice	2.105	2.105	0.080
DC6-48-60-18-8F	C	From Leg	4.000	0.000	161'	No Ice	1.212	1.212	0.033
			0'			1/2" Ice	1.892	1.892	0.055
			0'			1" Ice	2.105	2.105	0.080
RRUS 4449 B5/B12	A	From Leg	4.000	0.000	161'	No Ice	1.968	1.408	0.071
			0'			1/2" Ice	2.144	1.564	0.090
			0'			1" Ice	2.328	1.727	0.111
RRUS 4449 B5/B12	B	From Leg	4.000	0.000	161'	No Ice	1.968	1.408	0.071
			0'			1/2" Ice	2.144	1.564	0.090
			0'			1" Ice	2.328	1.727	0.111
RRUS 4449 B5/B12	C	From Leg	4.000	0.000	161'	No Ice	1.968	1.408	0.071
			0'			1/2" Ice	2.144	1.564	0.090
			0'			1" Ice	2.328	1.727	0.111
RRUS 4478 B14	A	From Leg	4.000	0.000	161'	No Ice	1.843	1.059	0.060
			0'			1/2" Ice	2.012	1.197	0.076
			0'			1" Ice	2.190	1.342	0.094
RRUS 4478 B14	B	From Leg	4.000	0.000	161'	No Ice	1.843	1.059	0.060
			0'			1/2" Ice	2.012	1.197	0.076
			0'			1" Ice	2.190	1.342	0.094
RRUS 4478 B14	C	From Leg	4.000	0.000	161'	No Ice	1.843	1.059	0.060
			0'			1/2" Ice	2.012	1.197	0.076
			0'			1" Ice	2.190	1.342	0.094
DC6-48-60-18-8F	A	From Leg	4.000	0.000	161'	No Ice	1.212	1.212	0.033
			0'			1/2" Ice	1.892	1.892	0.055
			0'			1" Ice	2.105	2.105	0.080
(2) 6' x 2" Mount Pipe	A	From Leg	4.000	0.000	161'	No Ice	1.425	1.425	0.022
			0'			1/2" Ice	1.925	1.925	0.033
			0'			1" Ice	2.294	2.294	0.048
(2) 6' x 2" Mount Pipe	B	From Leg	4.000	0.000	161'	No Ice	1.425	1.425	0.022
			0'			1/2" Ice	1.925	1.925	0.033
			0'			1" Ice	2.294	2.294	0.048
(2) 6' x 2" Mount Pipe	C	From Leg	4.000	0.000	161'	No Ice	1.425	1.425	0.022

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0'			1/2" Ice	1.925	1.925	0.033
			0'			1" Ice	2.294	2.294	0.048
Sector Mount [SM 502-3]	C	None		0.000	161'	No Ice	29.820	29.820	1.673
						1/2" Ice	42.210	42.210	2.266
						1" Ice	54.430	54.430	3.052
*									
Side Arm Mount [SO 203-1]	A	From Leg	1.500	0.000	157'	No Ice	1.780	3.790	0.125
			0'			1/2" Ice	2.240	4.470	0.153
			0'			1" Ice	2.750	5.210	0.189
Side Arm Mount [SO 203-1]	B	From Leg	1.500	0.000	157'	No Ice	1.780	3.790	0.125
			0'			1/2" Ice	2.240	4.470	0.153
			0'			1" Ice	2.750	5.210	0.189
*									
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.000	0.000	148'	No Ice	4.090	2.860	0.077
			0'			1/2" Ice	4.480	3.230	0.127
			0'			1" Ice	4.880	3.610	0.185
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.000	0.000	148'	No Ice	4.090	2.860	0.077
			0'			1/2" Ice	4.480	3.230	0.127
			0'			1" Ice	4.880	3.610	0.185
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.000	0.000	148'	No Ice	4.090	2.860	0.077
			0'			1/2" Ice	4.480	3.230	0.127
			0'			1" Ice	4.880	3.610	0.185
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.000	0.000	148'	No Ice	4.600	4.010	0.095
			0'			1/2" Ice	5.050	4.450	0.160
			0'			1" Ice	5.500	4.890	0.235
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.000	0.000	148'	No Ice	4.600	4.010	0.095
			0'			1/2" Ice	5.050	4.450	0.160
			0'			1" Ice	5.500	4.890	0.235
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.000	0.000	148'	No Ice	4.600	4.010	0.095
			0'			1/2" Ice	5.050	4.450	0.160
			0'			1" Ice	5.500	4.890	0.235
800 EXTERNAL NOTCH FILTER	A	From Leg	4.000	0.000	148'	No Ice	0.660	0.289	0.011
			0'			1/2" Ice	0.763	0.364	0.017
			0'			1" Ice	0.873	0.446	0.024
800 EXTERNAL NOTCH FILTER	B	From Leg	4.000	0.000	148'	No Ice	0.660	0.289	0.011
			0'			1/2" Ice	0.763	0.364	0.017
			0'			1" Ice	0.873	0.446	0.024
800 EXTERNAL NOTCH FILTER	C	From Leg	4.000	0.000	148'	No Ice	0.660	0.289	0.011
			0'			1/2" Ice	0.763	0.364	0.017
			0'			1" Ice	0.873	0.446	0.024
(3) ACU-A20-N	A	From Leg	4.000	0.000	148'	No Ice	0.067	0.117	0.001
			0'			1/2" Ice	0.104	0.162	0.002
			0'			1" Ice	0.148	0.215	0.004
(3) ACU-A20-N	B	From Leg	4.000	0.000	148'	No Ice	0.067	0.117	0.001
			0'			1/2" Ice	0.104	0.162	0.002
			0'			1" Ice	0.148	0.215	0.004
(3) ACU-A20-N	C	From Leg	4.000	0.000	148'	No Ice	0.067	0.117	0.001
			0'			1/2" Ice	0.104	0.162	0.002
			0'			1" Ice	0.148	0.215	0.004
(2) PCS 1900MHz 4x45W-65MHz	A	From Leg	4.000	0.000	148'	No Ice	2.322	2.238	0.060
			0'			1/2" Ice	2.527	2.441	0.083
			0'			1" Ice	2.739	2.651	0.110
(2) PCS 1900MHz 4x45W-65MHz	B	From Leg	4.000	0.000	148'	No Ice	2.322	2.238	0.060
			0'			1/2" Ice	2.527	2.441	0.083
			0'			1" Ice	2.739	2.651	0.110
(2) PCS 1900MHz 4x45W-65MHz	C	From Leg	4.000	0.000	148'	No Ice	2.322	2.238	0.060
			0'			1/2" Ice	2.527	2.441	0.083

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0'			1" Ice	2.739	2.651	0.110
800MHZ 2X50W RRH	A	From Leg	4.000	0.000	148'	No Ice	2.134	1.773	0.053
			0'			1/2" Ice	2.320	1.946	0.074
			0'			1" Ice	2.512	2.127	0.098
800MHZ 2X50W RRH	B	From Leg	4.000	0.000	148'	No Ice	2.134	1.773	0.053
			0'			1/2" Ice	2.320	1.946	0.074
			0'			1" Ice	2.512	2.127	0.098
800MHZ 2X50W RRH	C	From Leg	4.000	0.000	148'	No Ice	2.134	1.773	0.053
			0'			1/2" Ice	2.320	1.946	0.074
			0'			1" Ice	2.512	2.127	0.098
(2) 6' x 2" Mount Pipe	A	From Leg	4.000	0.000	148'	No Ice	1.425	1.425	0.022
			0'			1/2" Ice	1.925	1.925	0.033
			0'			1" Ice	2.294	2.294	0.048
(2) 6' x 2" Mount Pipe	B	From Leg	4.000	0.000	148'	No Ice	1.425	1.425	0.022
			0'			1/2" Ice	1.925	1.925	0.033
			0'			1" Ice	2.294	2.294	0.048
(2) 6' x 2" Mount Pipe	C	From Leg	4.000	0.000	148'	No Ice	1.425	1.425	0.022
			0'			1/2" Ice	1.925	1.925	0.033
			0'			1" Ice	2.294	2.294	0.048
(2) 6' x 3.5" Mount Pipe	A	From Leg	2.000	0.000	148'	No Ice	1.872	1.872	0.030
			0'			1/2" Ice	2.293	2.293	0.046
			0'			1" Ice	2.667	2.667	0.065
(2) 6' x 3.5" Mount Pipe	B	From Leg	2.000	0.000	148'	No Ice	1.872	1.872	0.030
			0'			1/2" Ice	2.293	2.293	0.046
			0'			1" Ice	2.667	2.667	0.065
(2) 6' x 3.5" Mount Pipe	C	From Leg	2.000	0.000	148'	No Ice	1.872	1.872	0.030
			0'			1/2" Ice	2.293	2.293	0.046
			0'			1" Ice	2.667	2.667	0.065
Sector Mount [SM 502-3]	C	None		0.000	148'	No Ice	29.820	29.820	1.673
						1/2" Ice	42.210	42.210	2.266
						1" Ice	54.430	54.430	3.052
*									
LLPX310R w/ Mount Pipe	A	From Leg	4.000	0.000	136'	No Ice	3.880	2.360	0.057
			0'			1/2" Ice	4.290	2.730	0.091
			0'			1" Ice	4.720	3.120	0.133
LLPX310R w/ Mount Pipe	B	From Leg	4.000	0.000	136'	No Ice	3.880	2.360	0.057
			0'			1/2" Ice	4.290	2.730	0.091
			0'			1" Ice	4.720	3.120	0.133
LLPX310R w/ Mount Pipe	C	From Leg	4.000	0.000	136'	No Ice	3.880	2.360	0.057
			0'			1/2" Ice	4.290	2.730	0.091
			0'			1" Ice	4.720	3.120	0.133
RRH-2WB	A	From Leg	4.000	0.000	136'	No Ice	2.305	0.783	0.044
			0'			1/2" Ice	2.496	0.917	0.059
			0'			1" Ice	2.695	1.058	0.077
RRH-2WB	B	From Leg	4.000	0.000	136'	No Ice	2.305	0.783	0.044
			0'			1/2" Ice	2.496	0.917	0.059
			0'			1" Ice	2.695	1.058	0.077
RRH-2WB	C	From Leg	4.000	0.000	136'	No Ice	2.305	0.783	0.044
			0'			1/2" Ice	2.496	0.917	0.059
			0'			1" Ice	2.695	1.058	0.077
J - Box	C	From Leg	0.500	0.000	136'	No Ice	0.667	0.500	0.020
			0'			1/2" Ice	0.770	0.593	0.027
			0'			1" Ice	0.881	0.693	0.036
(3) 6' x 2" Mount Pipe	A	From Leg	4.000	0.000	136'	No Ice	1.425	1.425	0.022
			0'			1/2" Ice	1.925	1.925	0.033
			0'			1" Ice	2.294	2.294	0.048
(3) 6' x 2" Mount Pipe	B	From Leg	4.000	0.000	136'	No Ice	1.425	1.425	0.022

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0'			1/2" Ice	1.925	1.925	0.033
			0'			1" Ice	2.294	2.294	0.048
(3) 6' x 2" Mount Pipe	C	From Leg	4.000	0.000	136'	No Ice	1.425	1.425	0.022
			0'			1/2" Ice	1.925	1.925	0.033
			0'			1" Ice	2.294	2.294	0.048
6' x 3" Mount Pipe	A	From Leg	4.000	0.000	136'	No Ice	1.767	1.767	0.030
			0'			1/2" Ice	2.129	2.129	0.044
			0'			1" Ice	2.501	2.501	0.061
6' x 3" Mount Pipe	C	From Leg	4.000	0.000	136'	No Ice	1.767	1.767	0.030
			0'			1/2" Ice	2.129	2.129	0.044
			0'			1" Ice	2.501	2.501	0.061
Sector Mount [SM 504-3]	C	None		0.000	136'	No Ice	31.050	31.050	1.708
						1/2" Ice	43.830	43.830	2.326
						1" Ice	56.440	56.440	3.143
*									
(2) DB844G65ZAXY w/ Mount Pipe	A	From Leg	4.000	0.000	126'	No Ice	4.230	4.510	0.034
			0'			1/2" Ice	4.710	5.000	0.076
			3'			1" Ice	5.210	5.500	0.126
(2) DB844G65ZAXY w/ Mount Pipe	C	From Leg	4.000	0.000	126'	No Ice	4.230	4.510	0.034
			0'			1/2" Ice	4.710	5.000	0.076
			3'			1" Ice	5.210	5.500	0.126
DB844H80-XY w/ Mount Pipe	B	From Leg	4.000	0.000	126'	No Ice	2.240	3.340	0.039
			0'			1/2" Ice	2.610	3.730	0.075
			3'			1" Ice	2.990	4.130	0.117
DB844H80-XY w/ Mount Pipe	B	From Leg	4.000	0.000	126'	No Ice	2.240	3.340	0.039
			0'			1/2" Ice	2.610	3.730	0.075
			3'			1" Ice	2.990	4.130	0.117
GPS_A	B	From Leg	4.000	0.000	126'	No Ice	0.255	0.255	0.001
			0'			1/2" Ice	0.320	0.320	0.005
			4'			1" Ice	0.393	0.393	0.010
(2) JAHH-65C-R3B w/ Mount Pipe	A	From Leg	4.000	0.000	126'	No Ice	6.600	5.110	0.118
			0'			1/2" Ice	7.140	5.630	0.210
			3'			1" Ice	7.690	6.170	0.316
(2) JAHH-65C-R3B w/ Mount Pipe	B	From Leg	4.000	0.000	126'	No Ice	6.600	5.110	0.118
			0'			1/2" Ice	7.140	5.630	0.210
			3'			1" Ice	7.690	6.170	0.316
(2) JAHH-65C-R3B w/ Mount Pipe	C	From Leg	4.000	0.000	126'	No Ice	6.600	5.110	0.118
			0'			1/2" Ice	7.140	5.630	0.210
			3'			1" Ice	7.690	6.170	0.316
MT6407-77A w/ Mount Pipe	A	From Leg	4.000	0.000	126'	No Ice	4.907	2.682	0.096
			0'			1/2" Ice	5.256	3.145	0.136
			2'			1" Ice	5.615	3.624	0.180
MT6407-77A w/ Mount Pipe	B	From Leg	4.000	0.000	126'	No Ice	4.907	2.682	0.096
			0'			1/2" Ice	5.256	3.145	0.136
			2'			1" Ice	5.615	3.624	0.180
MT6407-77A w/ Mount Pipe	C	From Leg	4.000	0.000	126'	No Ice	4.907	2.682	0.096
			0'			1/2" Ice	5.256	3.145	0.136
			2'			1" Ice	5.615	3.624	0.180
CBRS w/ Mount Pipe	A	From Leg	4.000	0.000	126'	No Ice	1.450	0.990	0.032
			0'			1/2" Ice	1.670	1.180	0.048
			7'			1" Ice	1.900	1.390	0.068
CBRS w/ Mount Pipe	B	From Leg	4.000	0.000	126'	No Ice	1.450	0.990	0.032
			0'			1/2" Ice	1.670	1.180	0.048
			7'			1" Ice	1.900	1.390	0.068
CBRS w/ Mount Pipe	C	From Leg	4.000	0.000	126'	No Ice	1.450	0.990	0.032
			0'			1/2" Ice	1.670	1.180	0.048
			7'			1" Ice	1.900	1.390	0.068

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) RFV01U-D1A	A	From Leg	4.000 0' 3'	0.000	126'	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.250 1.393 1.543	0.084 0.103 0.124
(2) RFV01U-D2A	B	From Leg	4.000 0' 3'	0.000	126'	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.013 1.145 1.284	0.070 0.087 0.106
RFV01U-D2A	C	From Leg	4.000 0' 3'	0.000	126'	No Ice 1/2" Ice 1" Ice	1.875 2.045 2.223	1.013 1.145 1.284	0.070 0.087 0.106
DB-C1-12C-24AB-0Z	C	From Leg	4.000 0' 3'	0.000	126'	No Ice 1/2" Ice 1" Ice	4.056 4.316 4.582	3.098 3.335 3.580	0.032 0.068 0.109
Sector Mount [SM 411-3]	C	None		0.000	126'	No Ice 1/2" Ice 1" Ice	20.530 28.620 36.630	20.530 28.620 36.630	1.069 1.457 1.972
*									
800 10504 w/ Mount Pipe	A	From Leg	4.000 0' 0'	0.000	112'	No Ice 1/2" Ice 1" Ice	2.690 3.120 3.560	2.260 2.680 3.120	0.038 0.067 0.105
800 10504 w/ Mount Pipe	B	From Leg	4.000 0' 0'	0.000	112'	No Ice 1/2" Ice 1" Ice	2.690 3.120 3.560	2.260 2.680 3.120	0.038 0.067 0.105
800 10504 w/ Mount Pipe	C	From Leg	4.000 0' 0'	0.000	112'	No Ice 1/2" Ice 1" Ice	2.690 3.120 3.560	2.260 2.680 3.120	0.038 0.067 0.105
6' x 2" Mount Pipe	A	From Leg	4.000 0' 0'	0.000	112'	No Ice 1/2" Ice 1" Ice	1.425 1.925 2.294	1.425 1.925 2.294	0.022 0.033 0.048
6' x 2" Mount Pipe	B	From Leg	4.000 0' 0'	0.000	112'	No Ice 1/2" Ice 1" Ice	1.425 1.925 2.294	1.425 1.925 2.294	0.022 0.033 0.048
6' x 2" Mount Pipe	C	From Leg	4.000 0' 0'	0.000	112'	No Ice 1/2" Ice 1" Ice	1.425 1.925 2.294	1.425 1.925 2.294	0.022 0.033 0.048
Sector Mount [SM 104-3]	C	None		0.000	112'	No Ice 1/2" Ice 1" Ice	30.210 38.120 46.010	30.210 38.120 46.010	0.953 1.432 2.031
*									
GPS_A	A	From Face	2.000 0' 0'	0.000	5'	No Ice 1/2" Ice 1" Ice	0.255 0.320 0.393	0.255 0.320 0.393	0.001 0.005 0.010
ASPP2933	A	From Face	0.500 0' 1'	0.000	5'	No Ice 1/2" Ice 1" Ice	0.196 0.320 0.453	0.196 0.320 0.453	0.004 0.006 0.009
3' x 2" Pipe Mount	A	From Face	2.000 0' 0'	0.000	5'	No Ice 1/2" Ice 1" Ice	0.583 0.770 0.967	0.583 0.770 0.967	0.011 0.017 0.024
Side Arm Mount [SO 701-1]	A	From Face	1.500 0' 0'	0.000	5'	No Ice 1/2" Ice 1" Ice	0.850 1.140 1.430	1.670 2.340 3.010	0.065 0.079 0.093
**									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft²	Weight K
VHLP2-18	A	Paraboloid w/Shroud (HP)	From Leg	3.000 0' 0'	-10.000		157'	2.175	No Ice 1/2" Ice 1" Ice	3.720 4.010 4.300	0.031 0.050 0.070
VHLP2-18	B	Paraboloid w/Shroud (HP)	From Leg	3.000 0' 0'	-40.000		157'	2.175	No Ice 1/2" Ice 1" Ice	3.720 4.010 4.300	0.031 0.050 0.070
*											
VHLP2-23	A	Paraboloid w/Shroud (HP)	From Leg	4.000 0' 2'	50.000		136'	2.175	No Ice 1/2" Ice 1" Ice	3.720 4.000 4.310	0.030 0.030 0.040
*											

Load Combinations

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

Comb. No.	Description
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T1	180 - 160	Leg	Max Tension	15	9.399	-0.198	0.011
			Max. Compression	10	-17.448	0.678	0.045
			Max. Mx	14	6.907	-0.765	0.057
			Max. My	17	-3.901	-0.033	0.619
			Max. Vy	22	-1.318	0.034	0.003
			Max. Vx	16	1.184	0.010	-0.126
		Diagonal	Max Tension	24	3.080	0.000	0.000
			Max. Compression	25	-2.994	0.000	0.000
			Max. Mx	32	0.418	0.022	0.003
			Max. My	34	0.839	0.021	0.003
			Max. Vy	27	0.021	0.020	-0.003
			Max. Vx	34	-0.001	0.000	0.000
		Top Girt	Max Tension	3	0.410	0.000	0.000
			Max. Compression	14	-0.465	0.000	0.000
			Max. Mx	26	-0.065	-0.038	0.000
			Max. My	26	-0.064	0.000	0.001
			Max. Vy	26	-0.023	0.000	0.000
			Max. Vx	26	0.001	0.000	0.000
		Mid Girt	Max Tension	18	0.479	0.000	0.000
			Max. Compression	23	-0.473	0.000	0.000
			Max. Mx	26	0.009	-0.050	0.000
			Max. My	26	0.008	0.000	0.002
			Max. Vy	26	0.026	0.000	0.000
			Max. Vx	26	-0.001	0.000	0.000
T2	160 - 153.333	Leg	Max Tension	7	15.238	-0.738	-0.007
			Max. Compression	10	-25.056	0.201	-0.020
			Max. Mx	14	13.926	-0.765	0.057
			Max. My	17	-3.933	-0.033	0.619
			Max. Vy	22	-0.215	-0.765	-0.038
			Max. Vx	16	0.213	-0.045	0.619
		Diagonal	Max Tension	13	4.955	0.000	0.000
			Max. Compression	12	-5.201	0.000	0.000
			Max. Mx	30	1.026	0.037	0.005
			Max. My	38	-1.476	0.034	-0.006
			Max. Vy	29	0.031	0.036	0.004
			Max. Vx	38	0.002	0.000	0.000
T3	153.333 - 146.667	Leg	Max Tension	23	24.813	-0.226	0.030
			Max. Compression	10	-36.932	0.535	-0.042
			Max. Mx	6	22.024	0.622	-0.011

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. My	20	-6.924	-0.011	0.648
			Max. Vy	6	0.895	-0.557	-0.011
			Max. Vx	13	0.841	-0.017	-0.455
		Diagonal	Max Tension	13	5.099	0.000	0.000
			Max. Compression	12	-5.474	0.000	0.000
			Max. Mx	31	0.762	0.042	-0.006
			Max. My	28	0.821	0.040	-0.006
			Max. Vy	29	0.033	0.040	-0.006
			Max. Vx	28	0.002	0.000	0.000
		Top Girt	Max Tension	22	0.966	0.000	0.000
			Max. Compression	11	-0.545	0.000	0.000
			Max. Mx	26	0.451	-0.090	0.000
			Max. My	26	0.438	0.000	0.003
			Max. Vy	26	0.038	0.000	0.000
			Max. Vx	26	0.001	0.000	0.000
T4	146.667 - 140	Leg	Max Tension	23	34.145	-0.552	0.039
			Max. Compression	10	-48.425	0.138	-0.028
			Max. Mx	6	31.963	-0.557	-0.011
			Max. My	12	-7.287	-0.023	-0.455
			Max. Vy	2	0.118	0.536	0.038
			Max. Vx	13	-0.112	-0.017	-0.455
		Diagonal	Max Tension	13	6.120	0.000	0.000
			Max. Compression	12	-6.294	0.000	0.000
			Max. Mx	31	1.207	0.046	-0.006
			Max. My	35	-1.724	0.036	0.007
			Max. Vy	33	0.035	0.043	0.006
			Max. Vx	35	-0.002	0.000	0.000
		Top Girt	Max Tension	6	0.452	0.000	0.000
			Max. Compression	11	-0.118	0.000	0.000
			Max. Mx	26	0.358	-0.103	0.000
			Max. My	26	0.353	0.000	0.003
			Max. Vy	26	-0.041	0.000	0.000
			Max. Vx	26	-0.001	0.000	0.000
T5	140 - 120	Leg	Max Tension	23	67.650	-0.366	0.042
			Max. Compression	10	-89.173	0.548	-0.041
			Max. Mx	6	41.419	0.751	0.018
			Max. My	24	-11.524	-0.005	0.767
			Max. Vy	14	-0.950	-0.377	-0.027
			Max. Vx	12	-0.942	-0.043	-0.326
		Diagonal	Max Tension	20	7.967	0.000	0.000
			Max. Compression	20	-7.979	0.000	0.000
			Max. Mx	35	1.850	0.062	-0.008
			Max. My	37	-1.980	0.057	0.009
			Max. Vy	37	0.042	0.062	0.008
			Max. Vx	37	-0.002	0.000	0.000
T6	120 - 100	Leg	Max Tension	23	105.084	-0.491	0.024
			Max. Compression	10	-132.374	0.857	-0.088
			Max. Mx	3	-127.960	0.861	0.018
			Max. My	24	-11.913	-0.005	0.767
			Max. Vy	6	-0.450	-0.628	-0.041
			Max. Vx	24	0.424	-0.027	0.474
		Diagonal	Max Tension	8	9.351	0.000	0.000
			Max. Compression	8	-9.324	0.000	0.000
			Max. Mx	35	2.126	0.095	0.011
			Max. My	37	-2.117	0.082	0.012
			Max. Vy	33	0.057	0.092	-0.011
			Max. Vx	37	-0.003	0.000	0.000
T7	100 - 80	Leg	Max Tension	15	137.749	-0.554	-0.003
			Max. Compression	10	-169.992	0.627	-0.058
			Max. Mx	3	-144.461	0.861	0.018
			Max. My	16	-14.533	-0.029	0.868

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	6	-0.139	-0.830	-0.084
			Max. Vx	16	0.183	-0.029	0.868
		Diagonal	Max Tension	8	10.437	0.000	0.000
			Max. Compression	8	-10.367	0.000	0.000
			Max. Mx	35	2.309	0.151	0.021
			Max. My	37	2.191	0.149	0.021
			Max. Vy	33	0.075	0.150	0.020
			Max. Vx	37	-0.004	0.000	0.000
T8	80 - 70	Leg	Max Tension	15	154.904	-0.662	0.001
			Max. Compression	10	-189.604	2.264	-0.195
			Max. Mx	2	-187.833	2.268	0.041
			Max. My	12	-17.793	0.056	-2.070
			Max. Vy	2	-0.289	2.268	0.041
			Max. Vx	16	-0.310	0.056	1.989
		Diagonal	Max Tension	8	10.805	0.000	0.000
			Max. Compression	8	-10.931	0.000	0.000
			Max. Mx	33	2.063	0.169	-0.021
			Max. My	37	1.982	0.168	0.022
			Max. Vy	33	0.079	0.169	-0.021
			Max. Vx	37	-0.004	0.000	0.000
T9	70 - 60	Leg	Max Tension	15	171.900	-2.053	-0.047
			Max. Compression	10	-209.560	0.332	0.040
			Max. Mx	2	-207.388	2.268	0.041
			Max. My	12	-18.607	0.056	-2.070
			Max. Vy	2	0.317	2.268	0.041
			Max. Vx	24	0.315	0.052	2.064
		Diagonal	Max Tension	8	11.573	0.000	0.000
			Max. Compression	8	-11.753	0.000	0.000
			Max. Mx	33	2.447	-0.301	-0.035
			Max. My	31	-2.804	-0.265	0.043
			Max. Vy	33	-0.140	-0.301	-0.035
			Max. Vx	31	-0.008	0.000	0.000
T10	60 - 40	Leg	Max Tension	15	205.305	-1.294	-0.011
			Max. Compression	10	-248.892	1.691	-0.111
			Max. Mx	37	21.288	-2.489	0.054
			Max. My	12	-20.789	-0.033	-1.438
			Max. Vy	29	0.376	-2.473	-0.048
			Max. Vx	17	-0.250	-0.025	1.405
		Diagonal	Max Tension	8	11.966	0.000	0.000
			Max. Compression	8	-12.265	0.000	0.000
			Max. Mx	35	2.175	0.233	0.028
			Max. My	31	-3.030	0.193	-0.031
			Max. Vy	33	0.100	0.225	0.029
			Max. Vx	31	0.005	0.000	0.000
T11	40 - 20	Leg	Max Tension	15	237.565	-0.899	0.002
			Max. Compression	10	-287.729	2.772	-0.209
			Max. Mx	37	24.720	-5.865	0.065
			Max. My	12	-23.596	-0.211	-1.533
			Max. Vy	29	0.975	-5.839	-0.063
			Max. Vx	16	0.200	-0.212	1.502
		Diagonal	Max Tension	8	12.611	0.000	0.000
			Max. Compression	8	-12.939	0.000	0.000
			Max. Mx	33	1.321	0.324	0.034
			Max. My	31	3.996	0.248	-0.039
			Max. Vy	33	0.120	0.324	0.034
			Max. Vx	31	0.006	0.000	0.000
T12	20 - 0	Leg	Max Tension	15	267.669	-1.135	-0.016
			Max. Compression	10	-326.306	0.000	0.000
			Max. Mx	37	31.503	-5.865	0.065
			Max. My	12	-28.316	-0.294	-2.932
			Max. Vy	29	-1.148	-5.839	-0.063

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
		Diagonal	Max. Vx	12	-0.431	-0.294	-2.932
			Max Tension	8	13.682	0.000	0.000
			Max. Compression	10	-14.095	0.000	0.000
			Max. Mx	33	-1.266	-0.749	0.062
			Max. My	12	12.069	-0.510	0.093
			Max. Vy	33	-0.231	-0.749	0.062
			Max. Vx	32	-0.012	0.000	0.000

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Leg C	Max. Vert	18	332.780	34.660	-18.773
	Max. H_x	18	332.780	34.660	-18.773
	Max. H_z	7	-267.674	-29.132	15.632
	Min. Vert	7	-267.674	-29.132	15.632
	Min. H_x	7	-267.674	-29.132	15.632
	Min. H_z	18	332.780	34.660	-18.773
Leg B	Max. Vert	10	335.902	-35.088	-18.949
	Max. H_x	23	-273.488	29.626	15.869
	Max. H_z	25	-240.082	25.027	16.042
	Min. Vert	23	-273.488	29.626	15.869
	Min. H_x	10	335.902	-35.088	-18.949
	Min. H_z	10	335.902	-35.088	-18.949
Leg A	Max. Vert	2	333.342	-0.211	39.868
	Max. H_x	21	19.242	3.660	1.798
	Max. H_z	2	333.342	-0.211	39.868
	Min. Vert	15	-275.073	0.193	-33.697
	Min. H_x	8	26.321	-3.681	2.478
	Min. H_z	15	-275.073	0.193	-33.697

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	69.919	0.000	0.000	34.195	13.043	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	83.903	0.088	-63.536	-6611.546	4.766	-8.306
0.9 Dead+1.0 Wind 0 deg - No Ice	62.927	0.088	-63.536	-6621.805	0.853	-8.306
1.2 Dead+1.0 Wind 30 deg - No Ice	83.903	29.771	-51.566	-5406.583	-3128.369	41.418
0.9 Dead+1.0 Wind 30 deg - No Ice	62.927	29.771	-51.566	-5416.842	-3132.282	41.418
1.2 Dead+1.0 Wind 60 deg - No Ice	83.903	51.226	-29.652	-3104.149	-5414.216	45.484
0.9 Dead+1.0 Wind 60 deg - No Ice	62.927	51.226	-29.652	-3114.408	-5418.128	45.484
1.2 Dead+1.0 Wind 90 deg - No Ice	83.903	59.522	-0.053	35.659	-6316.335	37.598
0.9 Dead+1.0 Wind 90 deg - No	62.927	59.522	-0.053	25.400	-6320.248	37.598

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Ice						
1.2 Dead+1.0 Wind 120 deg - No Ice	83.903	54.918	31.724	3374.215	-5750.266	47.403
0.9 Dead+1.0 Wind 120 deg - No Ice	62.927	54.918	31.724	3363.957	-5754.178	47.403
1.2 Dead+1.0 Wind 150 deg - No Ice	83.903	30.872	53.577	5707.635	-3248.371	44.131
0.9 Dead+1.0 Wind 150 deg - No Ice	62.927	30.872	53.577	5697.377	-3252.284	44.131
1.2 Dead+1.0 Wind 180 deg - No Ice	83.903	-0.096	60.219	6419.911	27.346	8.579
0.9 Dead+1.0 Wind 180 deg - No Ice	62.927	-0.096	60.219	6409.652	23.433	8.579
1.2 Dead+1.0 Wind 210 deg - No Ice	83.903	-29.825	51.623	5497.187	3167.659	-41.279
0.9 Dead+1.0 Wind 210 deg - No Ice	62.927	-29.825	51.623	5486.928	3163.746	-41.279
1.2 Dead+1.0 Wind 240 deg - No Ice	83.903	-54.189	31.380	3333.333	5695.813	-45.526
0.9 Dead+1.0 Wind 240 deg - No Ice	62.927	-54.189	31.380	3323.075	5691.901	-45.526
1.2 Dead+1.0 Wind 270 deg - No Ice	83.903	-59.584	0.063	47.788	6356.902	-37.520
0.9 Dead+1.0 Wind 270 deg - No Ice	62.927	-59.584	0.063	37.529	6352.989	-37.520
1.2 Dead+1.0 Wind 300 deg - No Ice	83.903	-52.038	-30.000	-3145.437	5543.554	-47.485
0.9 Dead+1.0 Wind 300 deg - No Ice	62.927	-52.038	-30.000	-3155.695	5539.641	-47.485
1.2 Dead+1.0 Wind 330 deg - No Ice	83.903	-30.872	-53.541	-5619.736	3279.890	-44.384
0.9 Dead+1.0 Wind 330 deg - No Ice	62.927	-30.872	-53.541	-5629.995	3275.977	-44.384
1.2 Dead+1.0 Ice+1.0 Temp	146.561	0.000	0.000	104.189	32.900	0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	146.561	0.020	-16.920	-1666.397	30.447	-1.558
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	146.561	8.140	-14.096	-1375.987	-821.758	13.303
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	146.561	13.691	-7.920	-734.650	-1416.492	14.827
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	146.561	16.107	-0.013	102.878	-1674.955	13.247
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	146.561	14.745	8.515	998.875	-1515.779	16.095
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	146.561	8.457	14.670	1644.435	-854.881	13.619
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	146.561	-0.022	16.372	1830.512	35.522	1.615
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	146.561	-8.152	14.108	1586.134	889.215	-13.274
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	146.561	-14.184	8.209	967.287	1523.375	-14.835
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	146.561	-16.120	0.015	105.785	1742.677	-13.231
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	146.561	-14.269	-8.227	-766.323	1543.044	-16.112
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	146.561	-8.457	-14.662	-1434.849	920.726	-13.672
Dead+Wind 0 deg - Service	69.919	0.024	-17.797	-1811.746	10.080	-2.260
Dead+Wind 30 deg - Service	69.919	8.355	-14.472	-1479.066	-860.323	11.268
Dead+Wind 60 deg - Service	69.919	14.379	-8.323	-839.487	-1495.388	12.372

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead+Wind 90 deg - Service	69.919	16.705	-0.014	32.732	-1745.648	10.225
Dead+Wind 120 deg - Service	69.919	15.384	8.887	959.041	-1586.845	12.895
Dead+Wind 150 deg - Service	69.919	8.655	15.019	1607.054	-892.982	12.007
Dead+Wind 180 deg - Service	69.919	-0.026	16.894	1805.647	16.225	2.335
Dead+Wind 210 deg - Service	69.919	-8.370	14.487	1549.780	888.582	-11.231
Dead+Wind 240 deg - Service	69.919	-15.186	8.793	947.915	1589.592	-12.384
Dead+Wind 270 deg - Service	69.919	-16.722	0.017	36.033	1774.255	-10.204
Dead+Wind 300 deg - Service	69.919	-14.600	-8.417	-850.723	1548.154	-12.917
Dead+Wind 330 deg - Service	69.919	-8.655	-15.009	-1537.077	919.126	-12.075

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
1	0.000	-69.919	0.000	0.000	69.919	0.000	0.000%
2	0.088	-83.903	-63.536	-0.088	83.903	63.536	0.000%
3	0.088	-62.927	-63.536	-0.088	62.927	63.536	0.000%
4	29.771	-83.903	-51.566	-29.771	83.903	51.566	0.000%
5	29.771	-62.927	-51.566	-29.771	62.927	51.566	0.000%
6	51.226	-83.903	-29.652	-51.226	83.903	29.652	0.000%
7	51.226	-62.927	-29.652	-51.226	62.927	29.652	0.000%
8	59.522	-83.903	-0.053	-59.522	83.903	0.053	0.000%
9	59.522	-62.927	-0.053	-59.522	62.927	0.053	0.000%
10	54.918	-83.903	31.724	-54.918	83.903	-31.724	0.000%
11	54.918	-62.927	31.724	-54.918	62.927	-31.724	0.000%
12	30.872	-83.903	53.577	-30.872	83.903	-53.577	0.000%
13	30.872	-62.927	53.577	-30.872	62.927	-53.577	0.000%
14	-0.096	-83.903	60.219	0.096	83.903	-60.219	0.000%
15	-0.096	-62.927	60.219	0.096	62.927	-60.219	0.000%
16	-29.825	-83.903	51.623	29.825	83.903	-51.623	0.000%
17	-29.825	-62.927	51.623	29.825	62.927	-51.623	0.000%
18	-54.189	-83.903	31.380	54.189	83.903	-31.380	0.000%
19	-54.189	-62.927	31.380	54.189	62.927	-31.380	0.000%
20	-59.584	-83.903	0.063	59.584	83.903	-0.063	0.000%
21	-59.584	-62.927	0.063	59.584	62.927	-0.063	0.000%
22	-52.038	-83.903	-30.000	52.038	83.903	30.000	0.000%
23	-52.038	-62.927	-30.000	52.038	62.927	30.000	0.000%
24	-30.872	-83.903	-53.541	30.872	83.903	53.541	0.000%
25	-30.872	-62.927	-53.541	30.872	62.927	53.541	0.000%
26	0.000	-146.561	0.000	0.000	146.561	0.000	0.000%
27	0.020	-146.561	-16.920	-0.020	146.561	16.920	0.000%
28	8.140	-146.561	-14.096	-8.140	146.561	14.096	0.000%
29	13.691	-146.561	-7.920	-13.691	146.561	7.920	0.000%
30	16.107	-146.561	-0.013	-16.107	146.561	0.013	0.000%
31	14.745	-146.561	8.515	-14.745	146.561	-8.515	0.000%
32	8.457	-146.561	14.670	-8.457	146.561	-14.670	0.000%
33	-0.022	-146.561	16.372	0.022	146.561	-16.372	0.000%
34	-8.152	-146.561	14.108	8.152	146.561	-14.108	0.000%
35	-14.184	-146.561	8.209	14.184	146.561	-8.209	0.000%
36	-16.120	-146.561	0.015	16.120	146.561	-0.015	0.000%
37	-14.269	-146.561	-8.227	14.269	146.561	8.227	0.000%
38	-8.457	-146.561	-14.662	8.457	146.561	14.662	0.000%
39	0.024	-69.919	-17.797	-0.024	69.919	17.797	0.000%
40	8.355	-69.919	-14.472	-8.355	69.919	14.472	0.000%
41	14.379	-69.919	-8.323	-14.379	69.919	8.323	0.000%
42	16.705	-69.919	-0.014	-16.705	69.919	0.014	0.000%
43	15.384	-69.919	8.887	-15.384	69.919	-8.887	0.000%

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX K	PY K	PZ K	PX K	PY K	PZ K	% Error
44	8.655	-69.919	15.019	-8.655	69.919	-15.019	0.000%
45	-0.026	-69.919	16.894	0.026	69.919	-16.894	0.000%
46	-8.370	-69.919	14.487	8.370	69.919	-14.487	0.000%
47	-15.186	-69.919	8.793	15.186	69.919	-8.793	0.000%
48	-16.722	-69.919	0.017	16.722	69.919	-0.017	0.000%
49	-14.600	-69.919	-8.417	14.600	69.919	8.417	0.000%
50	-8.655	-69.919	-15.009	8.655	69.919	15.009	0.000%

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	180 - 160	3.313	43	0.145	0.012
T2	160 - 153.333	2.699	43	0.141	0.013
T3	153.333 - 146.667	2.497	43	0.138	0.013
T4	146.667 - 140	2.301	43	0.134	0.013
T5	140 - 120	2.108	43	0.129	0.013
T6	120 - 100	1.567	43	0.113	0.011
T7	100 - 80	1.096	43	0.093	0.009
T8	80 - 70	0.713	43	0.074	0.007
T9	70 - 60	0.551	43	0.065	0.006
T10	60 - 40	0.416	43	0.055	0.005
T11	40 - 20	0.194	43	0.034	0.003
T12	20 - 0	0.054	43	0.018	0.001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
181'	MX08FRO665-21 w/ Mount Pipe	43	3.313	0.145	0.012	Inf
170'	AIR 32 B2A/B66AA w/ Mount Pipe	43	3.005	0.143	0.012	662275
161'	AIR 6419 B77G w/ Mount Pipe	43	2.729	0.141	0.012	295287
157'	VHLP2-18	43	2.608	0.140	0.013	139612
148'	APXVTM14-ALU-I20 w/ Mount Pipe	43	2.340	0.135	0.013	137937
138'	VHLP2-23	43	2.052	0.127	0.013	88439
136'	LLPX310R w/ Mount Pipe	43	1.995	0.126	0.013	85513
126'	(2) DB844G65ZAXY w/ Mount Pipe	43	1.723	0.118	0.012	77115
112'	800 10504 w/ Mount Pipe	43	1.369	0.106	0.010	59805
5'	GPS_A	43	0.009	0.005	0.000	176295

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	180 - 160	11.999	10	0.525	0.044
T2	160 - 153.333	9.769	10	0.511	0.046
T3	153.333 - 146.667	9.038	10	0.500	0.047
T4	146.667 - 140	8.324	10	0.486	0.048
T5	140 - 120	7.625	10	0.467	0.048
T6	120 - 100	5.661	10	0.411	0.042
T7	100 - 80	3.953	10	0.338	0.033
T8	80 - 70	2.569	10	0.267	0.026
T9	70 - 60	1.984	10	0.234	0.022
T10	60 - 40	1.497	10	0.198	0.019
T11	40 - 20	0.698	10	0.124	0.011
T12	20 - 0	0.193	10	0.064	0.004

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
181'	MX08FRO665-21 w/ Mount Pipe	10	11.999	0.525	0.044	384215
170'	AIR 32 B2A/B66AA w/ Mount Pipe	10	10.881	0.520	0.045	192107
161'	AIR 6419 B77G w/ Mount Pipe	10	9.880	0.512	0.046	84464
157'	VHLP2-18	10	9.438	0.506	0.047	38791
148'	APXVTM14-ALU-I20 w/ Mount Pipe	10	8.466	0.489	0.048	38118
138'	VHLP2-23	10	7.419	0.461	0.047	24128
136'	LLPX310R w/ Mount Pipe	10	7.215	0.456	0.047	23312
126'	(2) DB844G65ZAXY w/ Mount Pipe	10	6.227	0.429	0.044	20963
112'	800 10504 w/ Mount Pipe	10	4.941	0.383	0.038	16325
5'	GPS_A	10	0.033	0.016	0.001	49019

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load / Allowable	Allowable Ratio	Criteria
T1	180	Leg	A325N	0.875	4	2.350	41.556	0.057 ✔	1.05	Bolt Tension
		Diagonal	A325N	0.625	1	3.080	8.135	0.379 ✔	1.05	Member Block Shear
		Top Girt	A325N	0.625	1	0.410	5.423	0.076 ✔	1.05	Member Block Shear
		Mid Girt	A325N	0.625	1	0.479	5.423	0.088 ✔	1.05	Member Block Shear
T2	160	Diagonal	A325N	0.625	1	4.955	11.310	0.438 ✔	1.05	Member Bearing
T3	153.333	Diagonal	A325N	0.625	1	5.099	11.310	0.451 ✔	1.05	Member Bearing
		Top Girt	A325N	0.625	1	0.966	5.655	0.171 ✔	1.05	Member Bearing
T4	146.667	Leg	A325N	1.000	4	8.536	54.517	0.157 ✔	1.05	Bolt Tension
		Diagonal	A325N	0.625	1	6.120	11.310	0.541 ✔	1.05	Member Bearing

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load / Allowable	Allowable Ratio	Criteria
		Top Girt	A325N	0.625	1	0.840	5.655	0.149 ✔	1.05	Member Bearing
T5	140	Leg	A325N	1.000	6	11.275	54.517	0.207 ✔	1.05	Bolt Tension
		Diagonal	A325N	0.625	1	7.967	11.310	0.704 ✔	1.05	Member Bearing
T6	120	Leg	A325N	1.000	6	17.514	54.517	0.321 ✔	1.05	Bolt Tension
		Diagonal	A325N	0.625	1	9.351	12.675	0.738 ✔	1.05	Member Bearing
T7	100	Leg	A325N	1.000	8	17.219	54.517	0.316 ✔	1.05	Bolt Tension
		Diagonal	A325N	0.750	1	10.437	14.137	0.738 ✔	1.05	Member Bearing
T8	80	Diagonal	A325N	0.750	1	10.805	14.137	0.764 ✔	1.05	Member Bearing
T9	70	Leg	A325N	1.000	8	21.488	54.517	0.394 ✔	1.05	Bolt Tension
		Diagonal	A325N	0.750	1	11.573	20.227	0.572 ✔	1.05	Gusset Bearing
T10	60	Leg	A325N	1.000	8	25.663	54.517	0.471 ✔	1.05	Bolt Tension
		Diagonal	A325N	0.750	1	11.966	14.137	0.846 ✔	1.05	Member Bearing
T11	40	Leg	A325N	1.000	8	29.696	54.517	0.545 ✔	1.05	Bolt Tension
		Diagonal	A325N	0.750	1	12.611	17.672	0.714 ✔	1.05	Member Bearing
T12	20	Diagonal	A325N	0.750	1	13.682	20.227	0.676 ✔	1.05	Gusset Bearing

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	180 - 160	ROHN 3 EH	20'7/16"	5'3/32"	52.9 K=1.00	3.016	-17.448	110.608	0.158 [1] ✔
T2	160 - 153.333	ROHN 4 EH	6'8-5/32"	6'8-5/32"	54.3 K=1.00	4.407	-25.056	159.906	0.157 [1] ✔
T3	153.333 - 146.667	ROHN 4 EH	6'8-5/32"	6'8-5/32"	54.3 K=1.00	4.407	-36.932	159.905	0.231 [1] ✔
T4	146.667 - 140	ROHN 4 EH	6'8-5/32"	6'8-5/32"	54.3 K=1.00	4.407	-48.425	159.906	0.303 [1] ✔
T5	140 - 120	ROHN 5 EH	20'7/16"	6'8-5/32"	43.6 K=1.00	6.112	-89.173	239.378	0.373 [1] ✔
T6	120 - 100	ROHN 6 EHS	20'3/8"	6'8-1/8"	36.0 K=1.00	6.713	-132.374	274.776	0.482 [1] ✔
T7	100 - 80	ROHN 6 EH	20'15/32"	10'7/32"	54.8 K=1.00	8.405	-169.992	303.717	0.560 [1] ✔
T8	80 - 70	ROHN 8 EHS	10'7/32"	10'7/32"	41.2 K=1.00	9.719	-189.604	386.395	0.491 [1] ✔
T9	70 - 60	ROHN 8 EHS	10'7/32"	10'7/32"	41.2 K=1.00	9.719	-209.560	386.395	0.542 [1] ✔
T10	60 - 40	ROHN 8 EHS	20'13/32	10'7/32"	41.2	9.719	-248.892	386.397	0.644 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T11	40 - 20	ROHN 8 EH	20'13/32"	10'7/32"	41.8 K=1.00	12.763	-287.729	505.555	0.569 [1] ✔
T12	20 - 0	ROHN 8 EH	20'13/32"	10'7/32"	41.8 K=1.00	12.763	-326.306	505.555	0.645 [1] ✔

[1] P_u / ϕP_n controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	180 - 160	L2x2x3/16	9'10-3/8"	4'9-15/32"	145.8 K=1.00	0.715	-2.994	9.623	0.311 [1] ✔
T2	160 - 153.333	L2 1/2x2 1/2x1/4	11'3-7/16"	5'6"	134.4 K=1.00	1.190	-5.201	18.851	0.276 [1] ✔
T3	153.333 - 146.667	L2 1/2x2 1/2x1/4	11'10-7/32"	5'9-13/32"	141.4 K=1.00	1.190	-5.474	17.047	0.321 [1] ✔
T4	146.667 - 140	L2 1/2x2 1/2x1/4	12'5-5/32"	6'7/8"	148.4 K=1.00	1.190	-6.294	15.466	0.407 [1] ✔
T5	140 - 120	L2 1/2x2 1/2x1/4	14'2-3/4"	6'11-3/32"	169.2 K=1.00	1.190	-7.979	11.895	0.671 [1] ✔
T6	120 - 100	L3x3x1/4	15'11-7/8"	7'8-29/32"	157.0 K=1.00	1.440	-9.324	16.730	0.557 [1] ✔
T7	100 - 80	L3 1/2x3 1/2x1/4	19'3-3/32"	9'5-25/32"	164.0 K=1.00	1.690	-10.367	17.990	0.576 [1] ✔
T8	80 - 70	L3 1/2x3 1/2x1/4	20'1-13/16"	9'9-25/32"	169.7 K=1.00	1.690	-10.931	16.792	0.651 [1] ✔
T9	70 - 60	2L3 1/2x3 1/2x1/4x3/8	21'11/32"	10'3-3/32"	189.4 K=1.00	3.380	-11.753	26.228	0.448 [1] ✔
T10	60 - 40	2L 'a' > 58.773 in - 137 L4x4x1/4	22'9-23/32"	11'1-25/32"	168.3 K=1.00	1.940	-12.265	19.609	0.625 [1] ✔
T11	40 - 20	L4x4x5/16	24'7-1/2"	12'11/16"	182.9 K=1.00	2.400	-12.939	20.532	0.630 [1] ✔
T12	20 - 0	2L4x4x5/16x3/8	26'5-9/16"	12'11-3/4"	211.6 K=1.00	4.800	-14.095	30.149	0.468 [1] ✔
		2L 'a' > 74.511 in - 176							

[1] P_u / ϕP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	180 - 160	L2x2x1/8	6'8-1/4"	6'1-3/4"	185.5 K=1.00	0.484	-0.465	4.028	0.115 [1] ✔
T3	153.333 - 146.667	L2 1/2x2 1/2x1/8 KL/R > 200 (C) - 46	9'5-13/32"	8'9-29/32"	212.2 K=1.00	0.609	-0.641	3.875	0.165 [1] ✔
T4	146.667 - 140	L2 1/2x2 1/2x1/8 KL/R > 200 (C) - 58	10'1-23/32"	9'6-7/32"	228.8 K=1.00	0.609	-0.840	3.331	0.252 [1] ✔

[1] P_u / ϕP_n controls

Mid Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	180 - 160	L2x2x1/8 KL/R > 200 (C) - 9	7'8-11/16"	7'2-3/16"	216.8 K=1.00	0.484	-0.473	2.950	0.160 [1] ✔

[1] P_u / ϕP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	180 - 160	ROHN 3 EH	20'7/16"	5'3/32"	52.9	3.016	9.399	135.717	0.069 [1] ✔
T2	160 - 153.333	ROHN 4 EH	6'8-5/32"	6'8-5/32"	54.3	4.407	15.238	198.335	0.077 [1] ✔
T3	153.333 - 146.667	ROHN 4 EH	6'8-5/32"	6'8-5/32"	54.3	4.407	24.813	198.335	0.125 [1] ✔
T4	146.667 - 140	ROHN 4 EH	6'8-5/32"	6'8-5/32"	54.3	4.407	34.145	198.335	0.172 [1] ✔
T5	140 - 120	ROHN 5 EH	20'7/16"	6'8-5/32"	43.6	6.112	67.650	275.039	0.246 [1] ✔
T6	120 - 100	ROHN 6 EHS	20'3/8"	6'8-1/8"	36.0	6.713	105.084	302.097	0.348 [1] ✔
T7	100 - 80	ROHN 6 EH	20'15/32"	10'7/32"	54.8	8.405	137.749	378.222	0.364 [1] ✔
T8	80 - 70	ROHN 8 EHS	10'7/32"	10'7/32"	41.2	9.719	154.904	437.369	0.354 [1] ✔

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T9	70 - 60	ROHN 8 EHS	10'7/32"	10'7/32"	41.2	9.719	171.900	437.369	0.393 [1] ✔
T10	60 - 40	ROHN 8 EHS	20'13/32"	10'7/32"	41.2	9.719	205.305	437.369	0.469 [1] ✔
T11	40 - 20	ROHN 8 EH	20'13/32"	10'7/32"	41.8	12.763	237.565	574.322	0.414 [1] ✔
T12	20 - 0	ROHN 8 EH	20'13/32"	10'7/32"	41.8	12.763	267.669	574.322	0.466 [1] ✔

[1] P_u / ϕP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	180 - 160	L2x2x3/16	9'10-3/8"	4'9-15/32"	95.6	0.431	3.080	18.739	0.164 [1] ✔
T2	160 - 153.333	L2 1/2x2 1/2x1/4	11'3-7/16"	5'6"	87.8	0.752	4.955	32.707	0.151 [1] ✔
T3	153.333 - 146.667	L2 1/2x2 1/2x1/4	11'10-7/32"	5'9-13/32"	92.2	0.752	5.099	32.707	0.156 [1] ✔
T4	146.667 - 140	L2 1/2x2 1/2x1/4	12'5-5/32"	6'7/8"	96.7	0.752	6.120	32.707	0.187 [1] ✔
T5	140 - 120	L2 1/2x2 1/2x1/4	14'2-3/4"	6'11-3/32"	110.0	0.752	7.967	32.707	0.244 [1] ✔
T6	120 - 100	L3x3x1/4	15'11-7/8"	7'8-29/32"	101.5	0.939	9.351	45.794	0.204 [1] ✔
T7	100 - 80	L3 1/2x3 1/2x1/4	19'3-3/32"	9'5-25/32"	105.9	1.103	10.437	53.793	0.194 [1] ✔
T8	80 - 70	L3 1/2x3 1/2x1/4	20'1-13/16"	9'9-25/32"	109.6	1.103	10.805	53.793	0.201 [1] ✔
T9	70 - 60	2L3 1/2x3 1/2x1/4x3/8 2L 'a' > 58.773 in - 136	21'11/32"	10'3-3/32"	114.4	2.207	11.573	95.999	0.121 [1] ✔
T10	60 - 40	L4x4x1/4	22'9-23/32"	11'1-25/32"	108.3	1.291	11.966	62.933	0.190 [1] ✔
T11	40 - 20	L4x4x5/16	23'8-9/16"	11'7-1/4"	113.6	1.595	12.611	77.752	0.162 [1] ✔
T12	20 - 0	2L4x4x5/16x3/8 2L 'a' > 74.511 in - 175	26'5-9/16"	12'11-3/4"	126.9	3.190	13.682	138.758	0.099 [1] ✔

[1] P_u / ϕP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	180 - 160	L2x2x1/8	6'8-1/4"	6'1-3/4"	122.6	0.293	0.410	12.744	0.032 [1] ✔
T3	153.333 - 146.667	L2 1/2x2 1/2x1/8	9'5-13/32"	8'9-29/32"	138.3	0.387	0.966	16.822	0.057 [1] ✔
T4	146.667 - 140	L2 1/2x2 1/2x1/8	10'1-23/32"	9'6-7/32"	148.9	0.387	0.840	16.822	0.050 [1] ✔

[1] P_u / ϕP_n controls

Mid Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	180 - 160	L2x2x1/8	7'8-11/16"	7'2-3/16"	142.4	0.293	0.479	12.744	0.038 [1] ✔

[1] P_u / ϕP_n controls

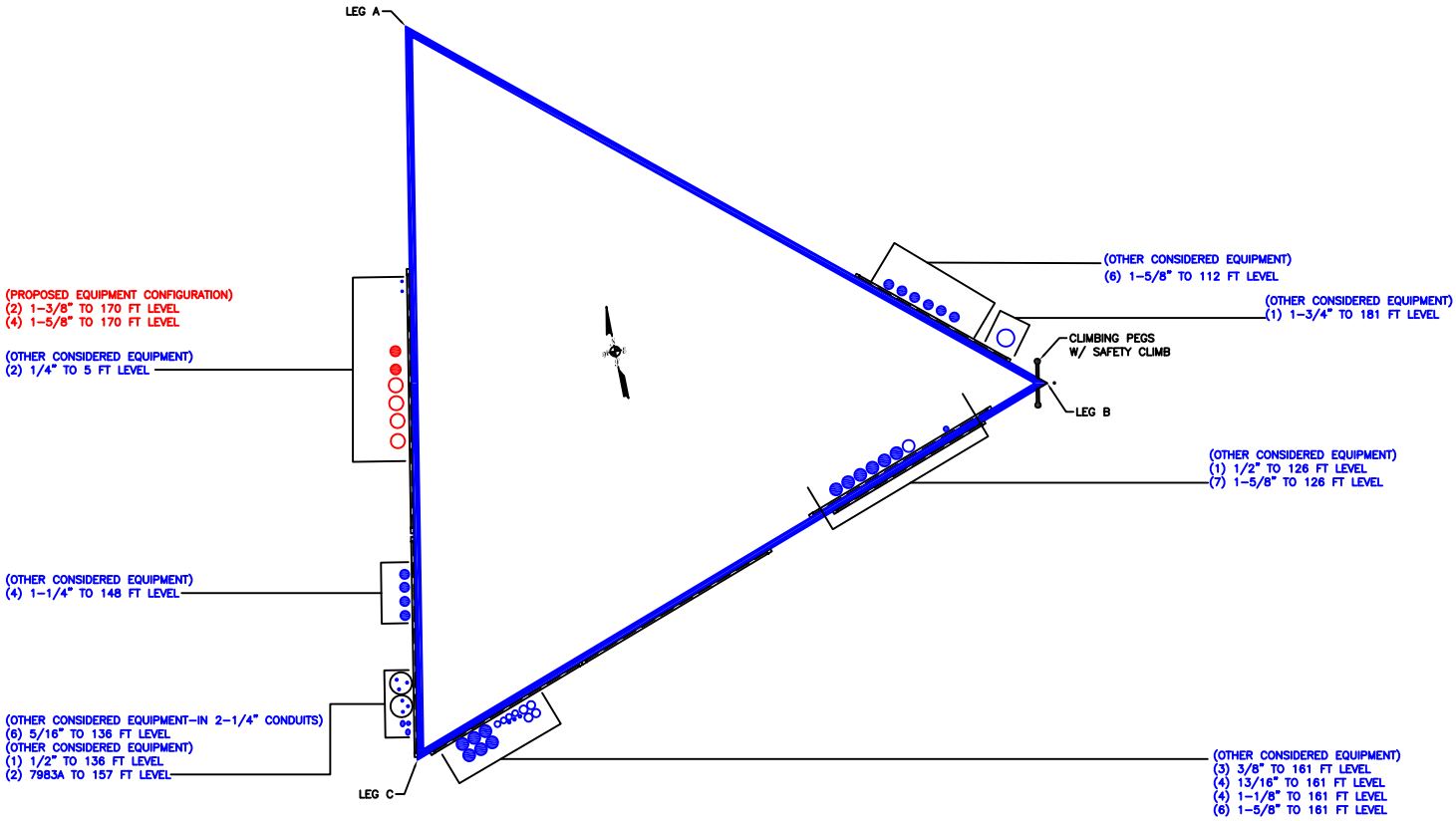
Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	180 - 160	Leg	ROHN 3 EH	2	-17.448	116.138	15.0	Pass
T2	160 - 153.333	Leg	ROHN 4 EH	35	-25.056	167.901	14.9	Pass
T3	153.333 - 146.667	Leg	ROHN 4 EH	44	-36.932	167.900	22.0	Pass
T4	146.667 - 140	Leg	ROHN 4 EH	56	-48.425	167.901	28.8	Pass
T5	140 - 120	Leg	ROHN 5 EH	68	-89.173	251.347	35.5	Pass
T6	120 - 100	Leg	ROHN 6 EHS	89	-132.374	288.515	45.9	Pass
T7	100 - 80	Leg	ROHN 6 EH	110	-169.992	318.903	53.3	Pass
T8	80 - 70	Leg	ROHN 8 EHS	125	-189.604	405.715	46.7	Pass
T9	70 - 60	Leg	ROHN 8 EHS	134	-209.560	405.715	51.7	Pass
T10	60 - 40	Leg	ROHN 8 EHS	143	-248.892	405.717	61.3	Pass
T11	40 - 20	Leg	ROHN 8 EH	158	-287.729	530.833	54.2	Pass
T12	20 - 0	Leg	ROHN 8 EH	173	-326.306	530.833	61.5	Pass
T1	180 - 160	Diagonal	L2x2x3/16	13	-2.994	10.104	29.6	Pass
T2	160 - 153.333	Diagonal	L2 1/2x2 1/2x1/4	39	-5.201	19.793	26.3	Pass
T3	153.333 - 146.667	Diagonal	L2 1/2x2 1/2x1/4	51	-5.474	17.900	30.6	Pass
T4	146.667 - 140	Diagonal	L2 1/2x2 1/2x1/4	63	-6.294	16.240	38.8	Pass
T5	140 - 120	Diagonal	L2 1/2x2 1/2x1/4	70	-7.979	12.489	63.9	Pass
T6	120 - 100	Diagonal	L3x3x1/4	92	-9.324	17.566	53.1	Pass
T7	100 - 80	Diagonal	L3 1/2x3 1/2x1/4	113	-10.367	18.890	54.9	Pass
T8	80 - 70	Diagonal	L3 1/2x3 1/2x1/4	128	-10.931	17.632	62.0	Pass
T9	70 - 60	Diagonal	2L3 1/2x3 1/2x1/4x3/8	137	-11.753	27.539	42.7	Pass
T10	60 - 40	Diagonal	L4x4x1/4	146	-12.265	20.589	59.6	Pass
T11	40 - 20	Diagonal	L4x4x5/16	161	-12.939	21.559	60.0	Pass
T12	20 - 0	Diagonal	2L4x4x5/16x3/8	176	-14.095	31.656	44.5	Pass
T1	180 - 160	Top Girt	L2x2x1/8	4	-0.465	4.230	11.0	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T3	153.333 - 146.667	Top Girt	L2 1/2x2 1/2x1/8	46	-0.641	4.069	15.7	Pass
T4	146.667 - 140	Top Girt	L2 1/2x2 1/2x1/8	58	-0.840	3.498	24.0	Pass
T1	180 - 160	Mid Girt	L2x2x1/8	9	-0.473	3.097	15.3	Pass
							Summary	
						Leg (T12)	61.5	Pass
						Diagonal (T5)	63.9	Pass
						Top Girt (T4)	24.0	Pass
						Mid Girt (T1)	15.3	Pass
						Bolt Checks	80.6	Pass
						RATING =	**80.6**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT:807133

APPENDIX C

ADDITIONAL CALCULATIONS

Self Support Anchor Rod Capacity

Site Info	
BU #	807133
Site Name	BRG 134 943057, CT
Order #	524458 Rev# 3

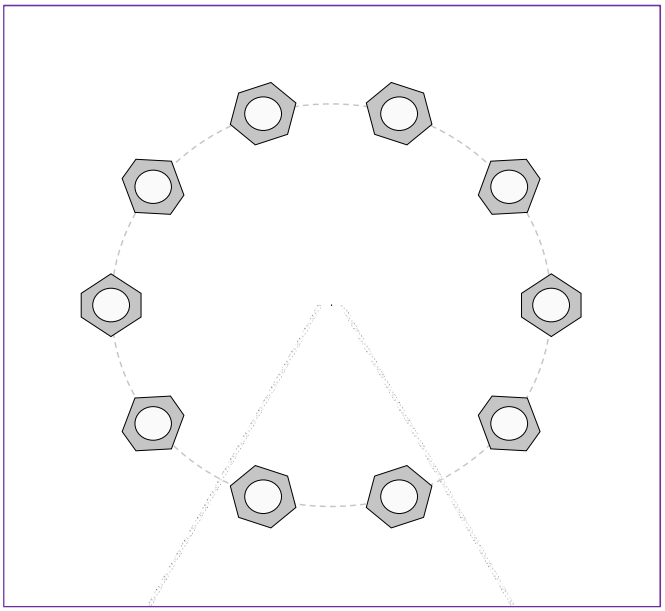
Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	Yes
l_{ar} (in)	0

Applied Loads		
	Comp.	Uplift
Axial Force (kips)	335.90	275.07
Shear Force (kips)	39.88	33.70

**TIA-222-H Section 15.5 Applied*

Considered Eccentricity	
Leg Mod Eccentricity (in)	0.000
Anchor Rod N.A Shift (in)	0.000
Total Eccentricity (in)	0.000

**Anchor Rod Eccentricity Applied*



Connection Properties

Anchor Rod Data

(10) 1" ø bolts (A449 N; Fy=92 ksi, Fu=120 ksi)

l_{ar} (in): 0

Analysis Results

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

Pu_t = 27.51	ϕPn_t = 54.54	**Stress Rating**
Vu = 3.37	ϕVn = 35.34	**48.0%**
Mu = n/a	ϕMn = n/a	**Pass**

Foundation Analysis-Rock Anchors

BU#: 807133
Site Name: BRG 134 943057,CT
Project Number: 82164.017.01

Tnx Reactions

Uplift	275	k
Comp.	336	k

U.Shear	34	k
C. Shear	40	k

Applied Loads

dpier	9	ft
bpier	6.25	ft
Lpier	9	ft
n	4	

Wt.conc =γ x Lpier x dpier x bpier= 75.9375 k

Ru =Uplift-0.9 x Wt.conc = 206.6563 k

Rc =Comp.+1.2 x Wt.conc = 427.125 k

Compression Analysis:

qult	30	ksf
φ	0.75	

Ultimate Bearing Capacity
Strength Reduction Factor

Mu	360	K-ft	
e	0.8428446	ft	
B/6	1.0416667	ft	
S	58.59375	ft3	Since e<B/6
qc	13.737333	Ksf	

Comp.= $\frac{qc}{\varphi qu}$ = 0.610548 **61.05 %**

Bearing stress rating **RevH 58.15 %**

Lateral Analysis:

μ	0.3	
φ	0.75	
Rv	40	k

Rc= 427.125

Rs= Rc x μ = 128.1375 k

φ x Rs = 96.103125 k -----Lateral Resistance

Lateral= $\frac{Rv}{\varphi Rs}$ = 0.41622 **41.62 %**

Lateral Stress Rating **RevH 39.64 %**

Uplift Analysis:

a.Steel Anchor Nominal Tensile Strength:

Fu	90	Ksi	A615 Gr. 60 Rebar
Anet	1.56	in^2	#11 Rebar

Ru= 206.65625

Rn_steel= Fu x Anet= 140.4 k

b. Steel-to-Grout Nominal Bonding Strength:

L	8	ft	Embedded Length in concrete
d rebar	1.41	in	
θ	0	degrees	Batter Angle
fc	4000	psi	Grout Compressive Strength (Assumed)

As =Pi()x d rebar x (L/cos(θ)) = 425.246 in^2 Rebar Surface Area

Fs_g= 6 x √(fc) x√(psi) = 379.4733 psi --Steel-to-Grout Bond Strength

Rn_steel_to_grout= As x fs_g = 161.3695 k --Nominal Steel-to-Grout Bond Strength per Anchor

c. Grout-Rock Nominal Bonding Strength:

L_Sand	9	ft	Length of Embedment Into Sand below 10' below grade
dhole	2.25	in	
θ	0	degrees	
Fr_g	110	psi	Grout-Rock Bond Strength

Ab =Pi()x dhole x (L_Sand/cos(θ)) = 763.407 in^2 Grout Surface Area

Rn_rock_grout= Fr_g x Ab= 83.975 kip--Nominal Grout-Rock Bond Strength per Anchor

d. Nominal Weight of Rock Prism:

Leff	9.5	ft	--Effective Embedment Length = 5'-10' rock below grade + 9'/2 Sand
danchors	2	ft	--Spacing between anchors
φrock	40	degrees	
γ rock	140	pcf	
hsoil	5	ft	--Soil Layer Height
φsoil	40	degrees	
γ soil	135	pcf	--Unit Weight of Soil

d1= danchors= 2 ft

d2= 2 x Leff x tan(φrock)+danchors = 17.943 ft--Dia @ Top of Rock Layer

d3= d2+2 x hsoil x tan(φsoil) = 26.33 ft--Dia @ Top of Soil Layer

$$V_{rock} := \frac{\pi \cdot L_{eff}}{3} \cdot \left[\left(\frac{d_2}{2} \right)^2 + \left(\frac{d_2}{2} \right) \left(\frac{d_1}{2} \right) + \left(\frac{d_1}{2} \right)^2 \right]$$ = 899.9132 ft^3

$$V_{soil} := \frac{\pi \cdot h_{soil}}{3} \cdot \left[\left(\frac{d_3}{2} \right)^2 + \left(\frac{d_3}{2} \right) \left(\frac{d_2}{2} \right) + \left(\frac{d_2}{2} \right)^2 \right]$$ = 1947.692 ft^3

Wrock=γ rock x Vrock = 125.9879 k

Wsoil=γ soil x Vsoil = 262.9385 k

Overlapped concrete block on soil cone 42.1875 K

Rn_rock=Wrock+Wsoil= 346.7388 k

Rn_rock per pile 86.6847 K

$R_n := \min(R_{n\_steel}, R_{n\_steel\_to\_grout}, R_{n\_rock\_grout}, R_{n\_rock}) =$ 83.975 k

Dowel Capacity

Bit diameter for Dowel as per CCI_821566 0.875 in

Based on Bit diameter, the rebar size is assumed to be #6

(1) #6 Shear capacity 14.256 K

There are total of (15) dowel per face, meaning 7.5 dowels per anchor

Dowel capacity per anchor 106.920 K

φRn= 62.981079 k

n*φRn= 251.92431

Ru= 206.656

Uplift = Ru/(n*φRn)= 0.820311 **82.03 %**

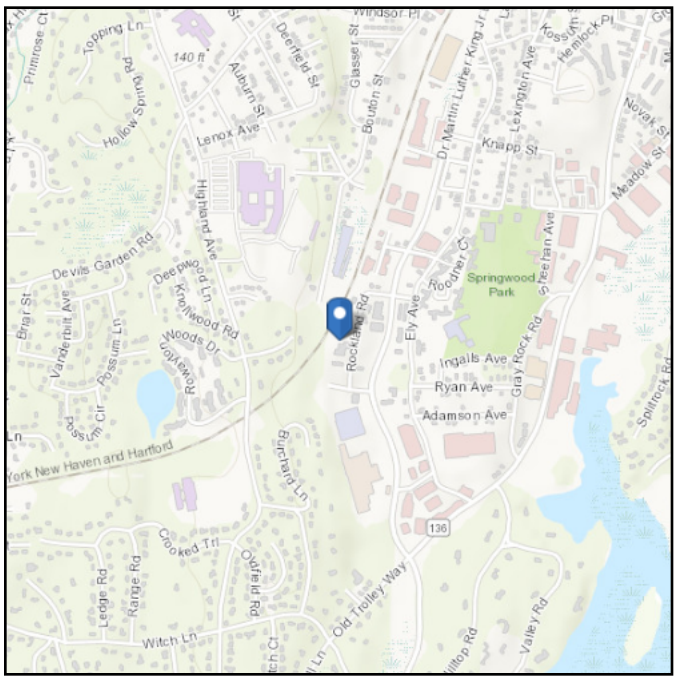
RevH 78.12 %

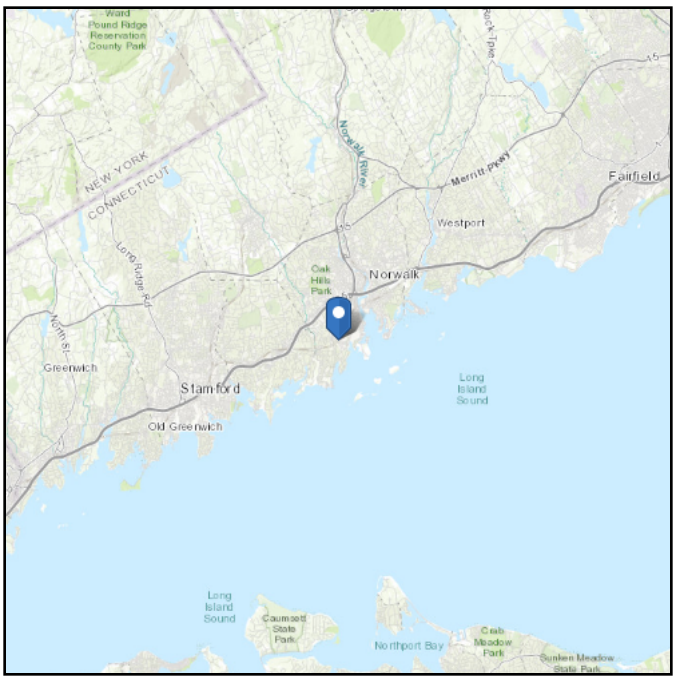
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 60.78 ft (NAVD 88)
Latitude: 41.081789
Longitude: -73.430422





Wind

Results:

Wind Speed	118 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Apr 01 2022

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 7-16 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 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

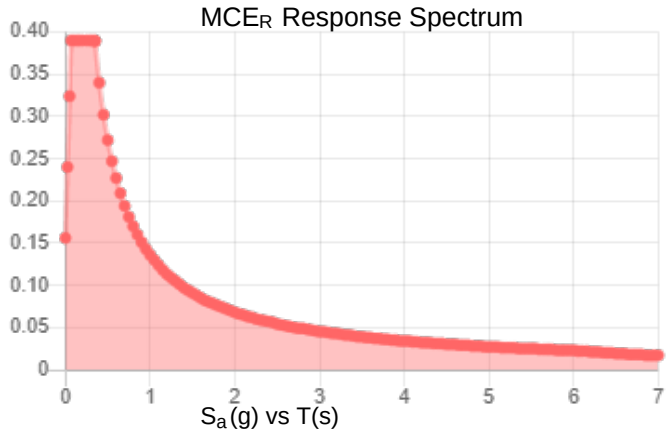
Seismic

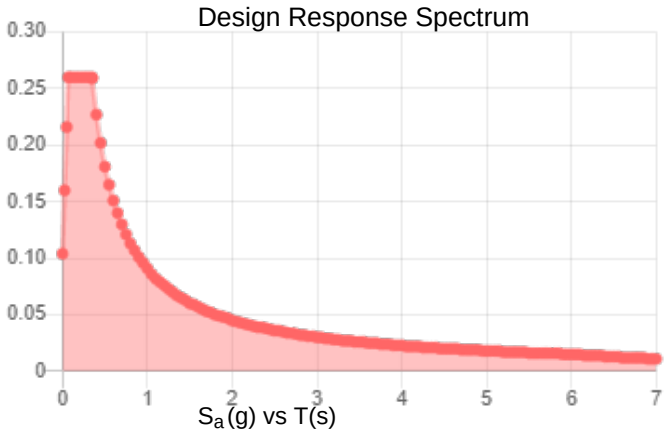
Site Soil Class: D - Default (see Section 11.4.3)

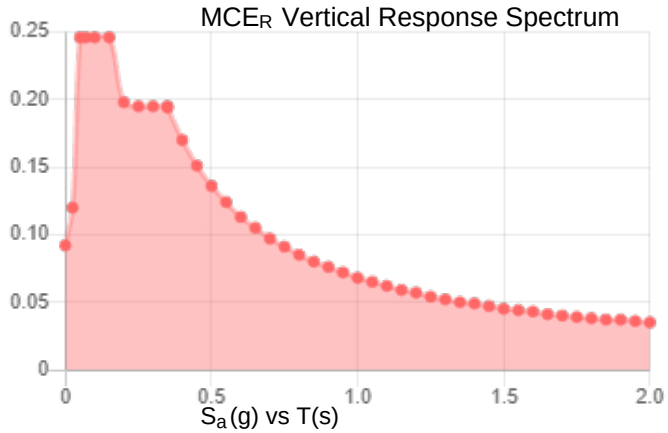
Results:

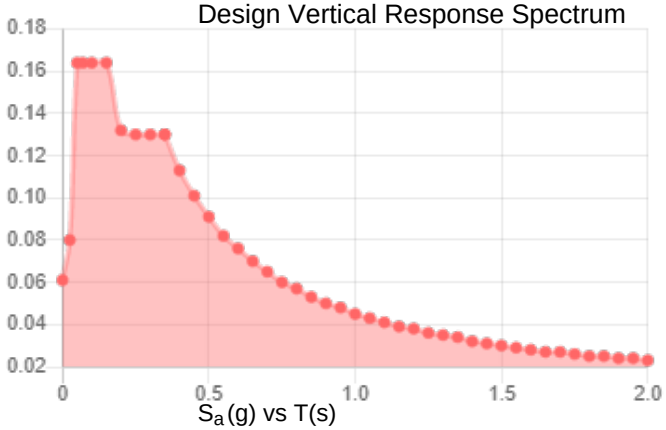
S_S :	0.244	S_{D1} :	0.091
S_1 :	0.057	T_L :	6
F_a :	1.6	PGA :	0.144
F_v :	2.4	PGA_M :	0.218
S_{MS} :	0.39	F_{PGA} :	1.511
S_{M1} :	0.136	I_e :	1
S_{DS} :	0.26	C_v :	0.788

Seismic Design Category B









Data Accessed: **Fri Apr 01 2022**

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Fri Apr 01 2022

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 500-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.

Date: **March 30, 2022**

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

Subject:	**Mount Analysis**	
Carrier Designation:	**T-Mobile**	
	Carrier Site Number:	**CT11114D**
	Carrier Site Name:	**Norwalk/ South Norwalk**
Crown Castle Designation:	**Crown Castle BU Number:**	**807133**
	Crown Castle Site Name:	**BRG 134 943057**
	Crown Castle JDE Job Number:	**614602**
	Crown Castle Order Number:	**524458 Rev 3**
Engineering Firm Designation:	**POD Report Designation:**	**22-125008**
Site Data:	**50 Rockland Road Norwalk OFC – MTSO,**	
	SO Norwalk, Fairfield County, CT 06854	
	Latitude 41° 4' 54.44" Longitude -73° 25' 49.52"	
Structure Information:	**Tower Height & Type:**	**182 ft Self Support**
	Mount Elevation:	**170 ft**
	Mount Type:	**13 ft Sector Frame**

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

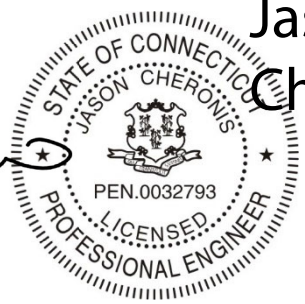
The purpose of the analysis is to determine acceptability of the mount stress level. Based on our analysis we have determined the mount stress level to be:

13 ft Sector Frame (Individual Sector) **Sufficient**

This analysis utilizes an ultimate 3-second gust wind speed of 118 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Joseph Martin

Respectfully submitted by:



Jason Cheronis
Digitally signed by Jason Cheronis
Date: 2022.03.30 09:00:37 -04'00'

Jason Cheronis, PE
Connecticut PE#: 0032793

TABLE OF CONTENTS

1) INTRODUCTION

This is an existing 3-sector 13' sector frame, mapped by Tower Engineering Professionals in September of 2018.

2) ANALYSIS CRITERIA

Building Code:	2018 CSBC & 2015 IBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	118 mph
Exposure Category:	C
Topographic Factor at Base:	1.000
Topographic Factor at Mount:	1.000
Ice Thickness:	1.0 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.244
Seismic S_1:	0.057
Live Loading Wind Speed:	30 mph
Man Live Load at Mid/End-Points:	250 lb
Man Live Load at Mount Pipes:	500 lb

Table 1 - Proposed Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount Details	Note
170	170	3	ERICSSON	AIR 32 B2A/B66AA	13 ft Sector Frame	-
		3	ERICSSON	AIR 3246 B66_T-MOBILE		
		3	ERICSSON	AIR6449 B41		
		3	RFS/CELWAVE	APXVAARR24_43-U-NA20		
		3	ERICSSON	RADIO 4449 B71 B85A_T-MOBILE		
		3	ERICSSON	RADIO 4460 B2/B25 B66_TMO		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Crown Application	-	Crown Castle App #: 524458 Rev 3 Dated: 06/09/2020	Crown Castle
RFDS	-	T-Mobile File Name: CT11114D Dated: 12/08/2021	Crown Castle
Structural Analysis	-	B+T Group Report #: 82164.014.01 Dated: 02/16/2022	Crown Castle
Mount Mapping Report	-	Tower Engineering Professionals Site #: 807133 Dated: 09/21/2018	Crown Castle
Previous Mount Analysis	-	POD Project #: 20-65182 Dated: 06/12/2020	POD
Topo and Exposure Documentations	-	Crown Castle Site #: 807133 Dated: 08/03/2017	Crown Castle

3.1) Analysis Method

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

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

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

3.2) Assumptions

1) The antenna mounting system was properly fabricated, installed, and maintained in good condition in accordance with its original design, TIA Standards, and/or manufacturer's specifications. This is not a condition assessment of the mount, structure, or foundation.
2) The configuration of antennas, mounts, and other appurtenances are as specified in Table 1 and the referenced drawings.
3) All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
4) The weight of the mount was increased 10% in the analysis to account for connections, coax, and jumpers.
5) The purpose of this report is to assess the feasibility of adding appurtenances usually accompanied by transmission lines to the structure. POD Group does not analyze the fabrication of the mount or structure (including welding).
6) The analysis will be required to be revised if the existing conditions in the field differ from those shown in the above-referenced documents or assumed in this analysis. No allowance was made for any damaged, missing, or rusted members.
7) Steel grades have been assumed as follows, unless noted otherwise:
    a. Angle, Plate — ASTM A36 (GR 36)
    b. Pipe — ASTM A53 (GR 35)
    c. Connection Bolts — ASTM A325

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

4) ANALYSIS RESULTS

Table 3 - Mount Component Stresses vs. Capacity (13 ft Sector Frame)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
1	Kicker	KICKER3	170	92.0	Pass
	Face	FACE2		82.4	Pass
	Standoff Pipe	SO PIPE		59.3	Pass
	Standoff	SO1		42.2	Pass
	Diagonal	KICKER DIAG2		37.9	Pass
	Mount Pipe	MP ALPHA3		23.0	Pass
	Vertical	FACE VERT1		10.5	Pass
1, 2	Tieback	TIEBACK		22.9	Pass
1	Bolts	-		17.6	Pass

Structure Rating (max from all components) =	92.0%

Notes:
1) See additional documentation in “Appendix C – Software Analysis Output” and “Appendix D – Additional Calculations” for calculations supporting the % capacity
2) Member capacity based upon Tieback Connection Data Table

Table 4 - Tieback Connection Data Table

Sector	Tower Connection Node No.	Existing / Proposed	Resultant End Reaction (lb)	Connected Member Type	Connected Member Size	Member Compressive Capacity (lb)[2]	Notes
ALPHA	N50	Existing	1267	Tower Leg	ROHN 3 EH	5530	1
BETA	N105	Existing	1028	Tower Leg	ROHN 3 EH	5530	
GAMMA	N161	Existing	1028	Tower Leg	ROHN 3 EH	5530	

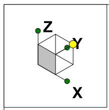
Notes:
1) Tieback connection point is within 25% of either end of the connected tower member
2) Reduced member compressive capacity according to CED-STD-10294 *Standard for Installation of Mounts and Appurtenances*

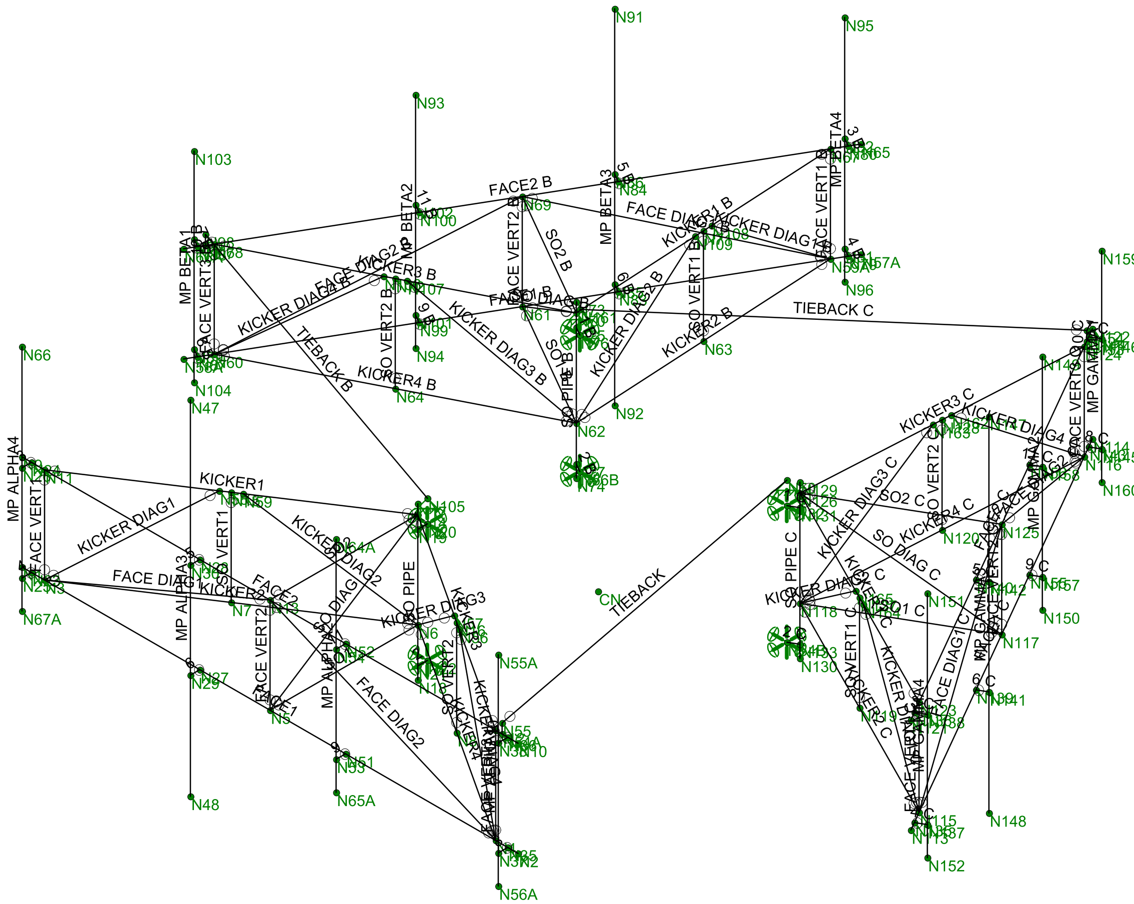
4.1) Recommendations

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

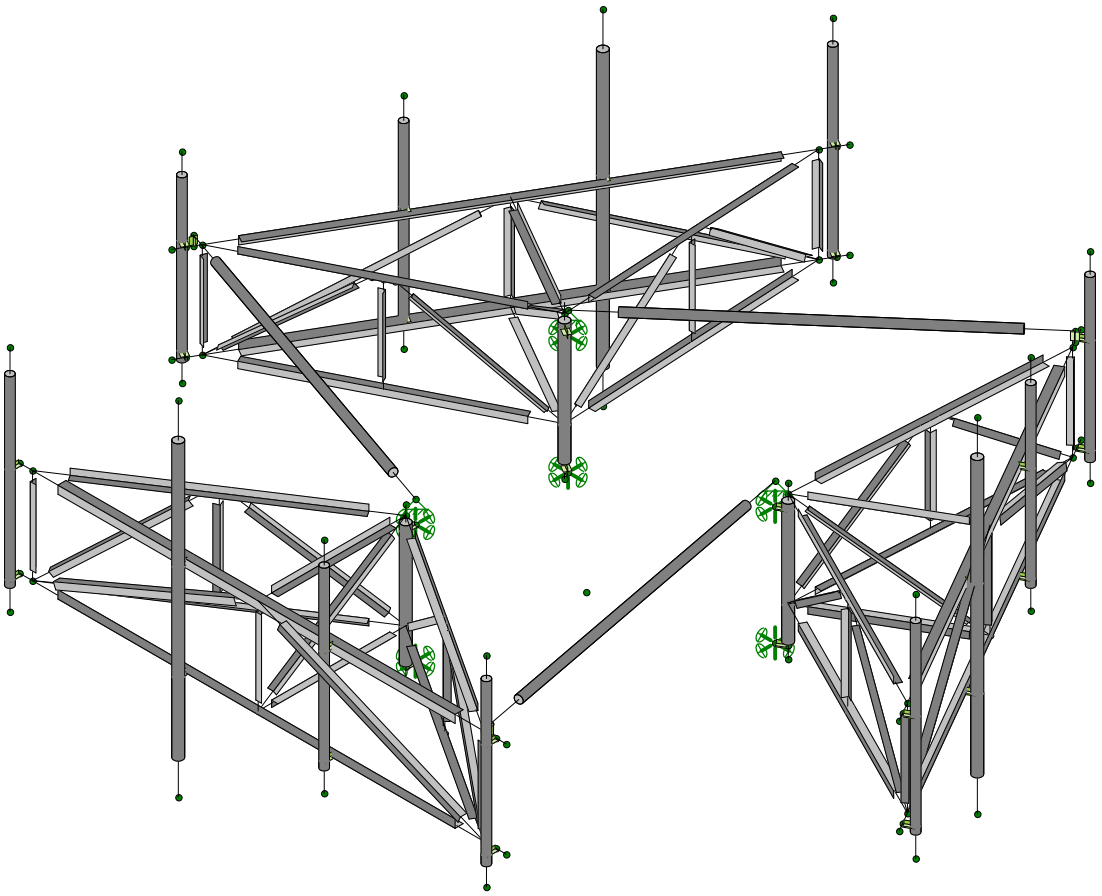
APPENDIX A

Wire Frame and Rendered Models

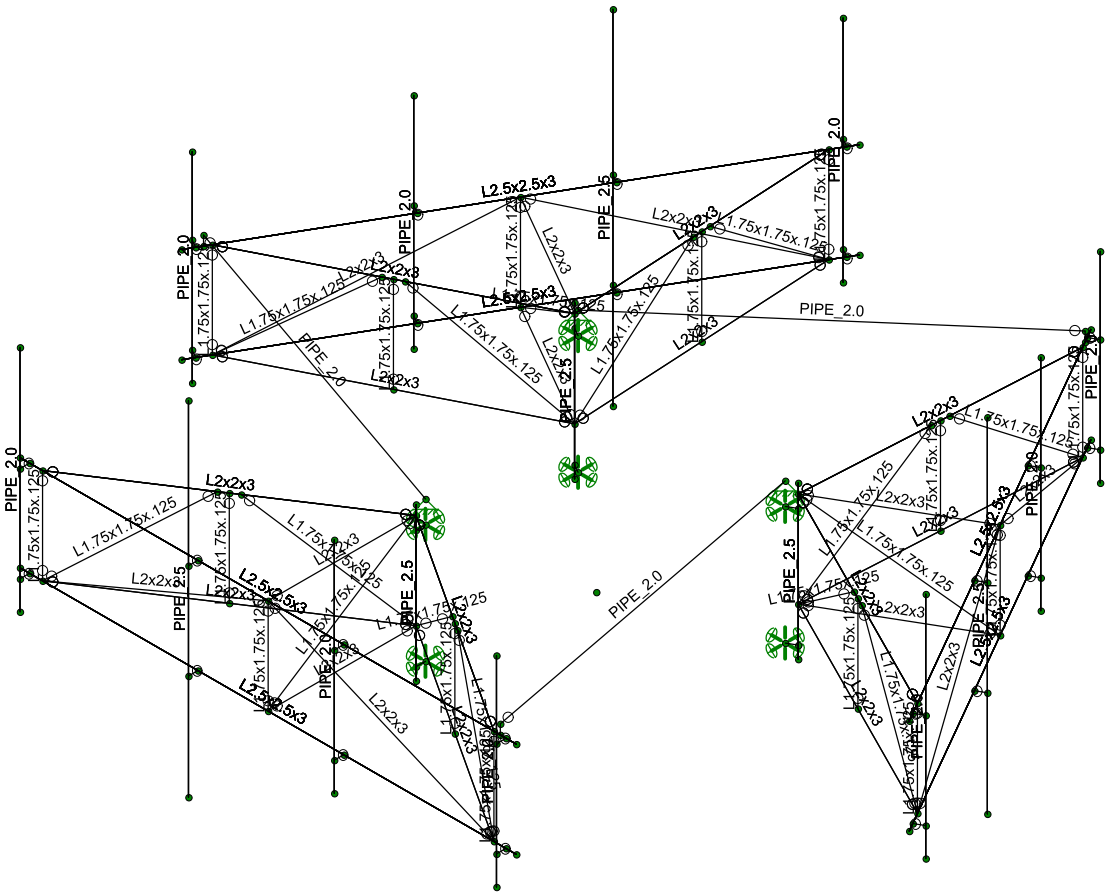




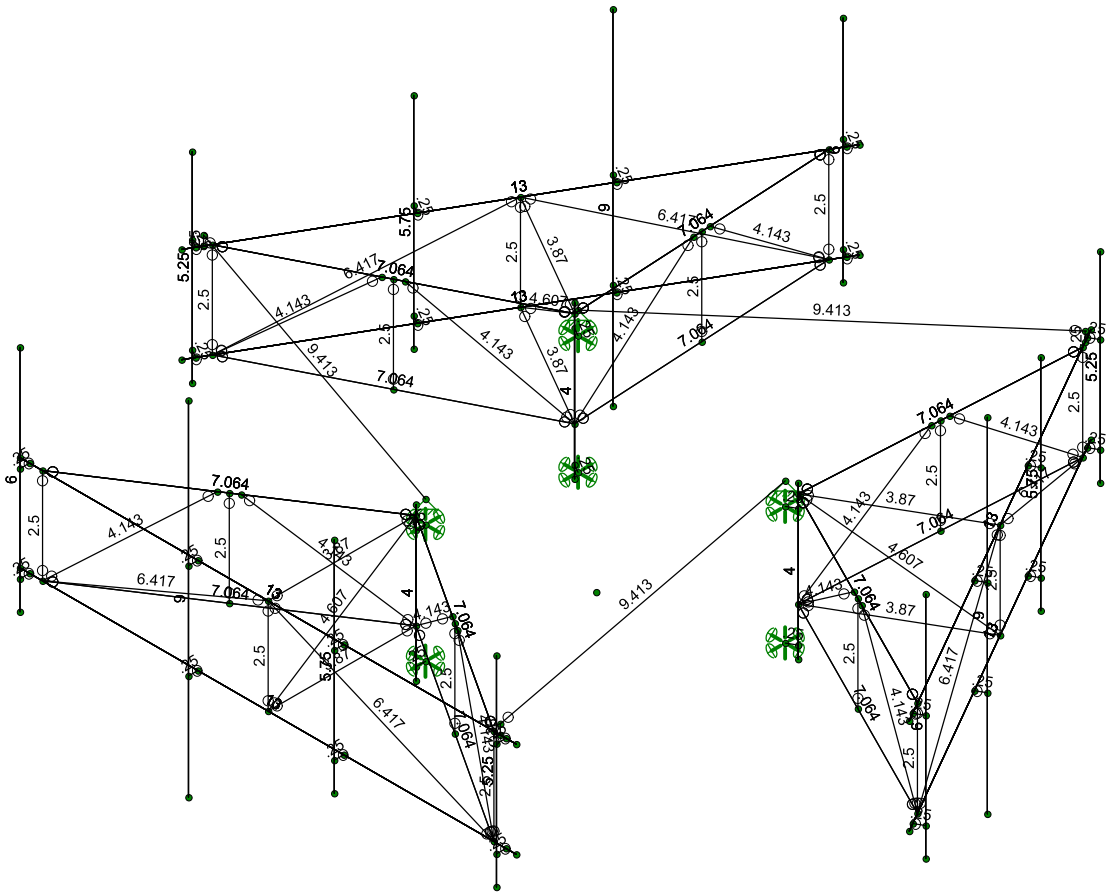
POD	807133	
JMM		Mar 30, 2022 at 7:54 AM
22-125008		(SF34) 807133 - LOADING.r3d



POD	807133	
JMM		Mar 30, 2022 at 7:54 AM
22-125008		(SF34) 807133 - LOADING.r3d

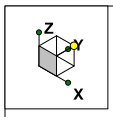


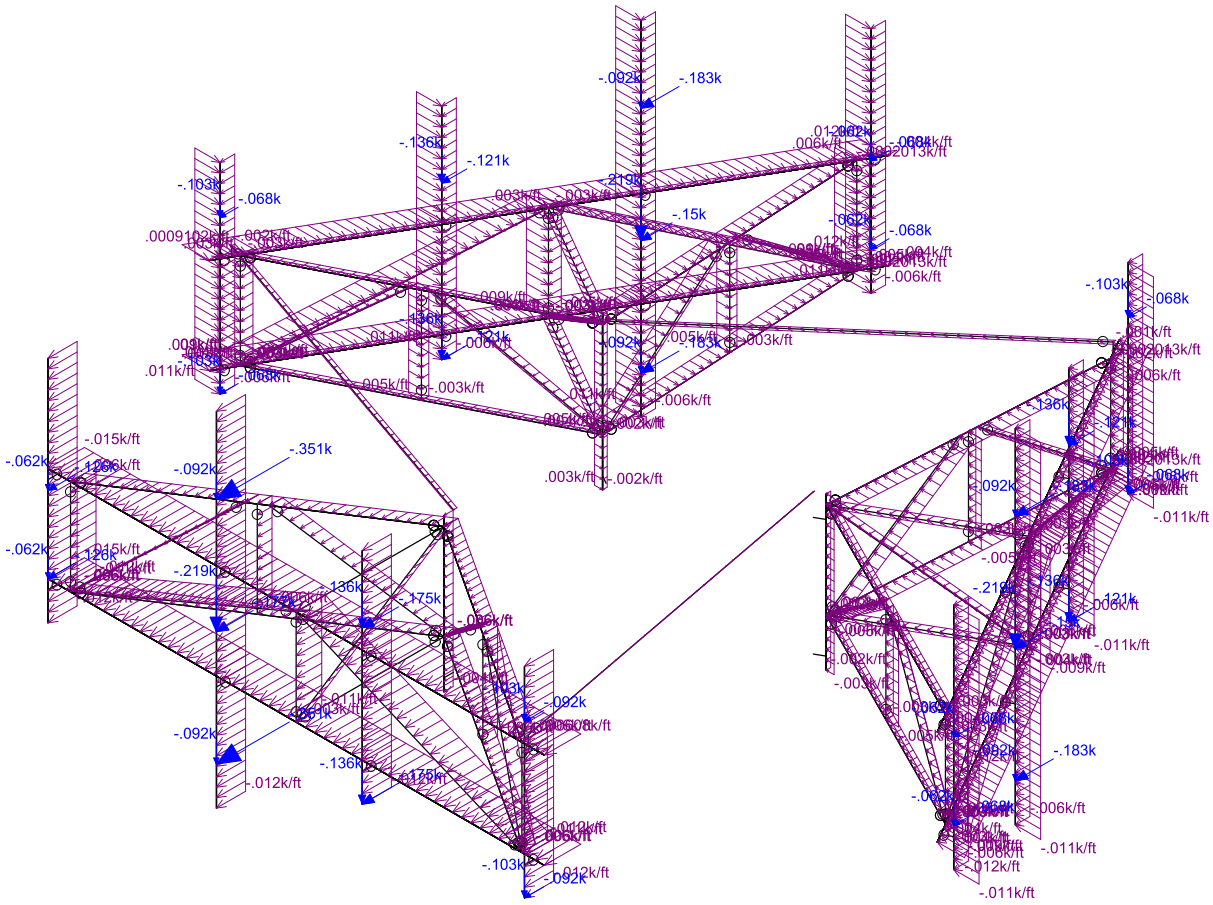
POD		
JMM	807133	Mar 30, 2022 at 7:55 AM
22-125008		(SF34) 807133 - LOADING.r3d



Member Length (ft) Displayed

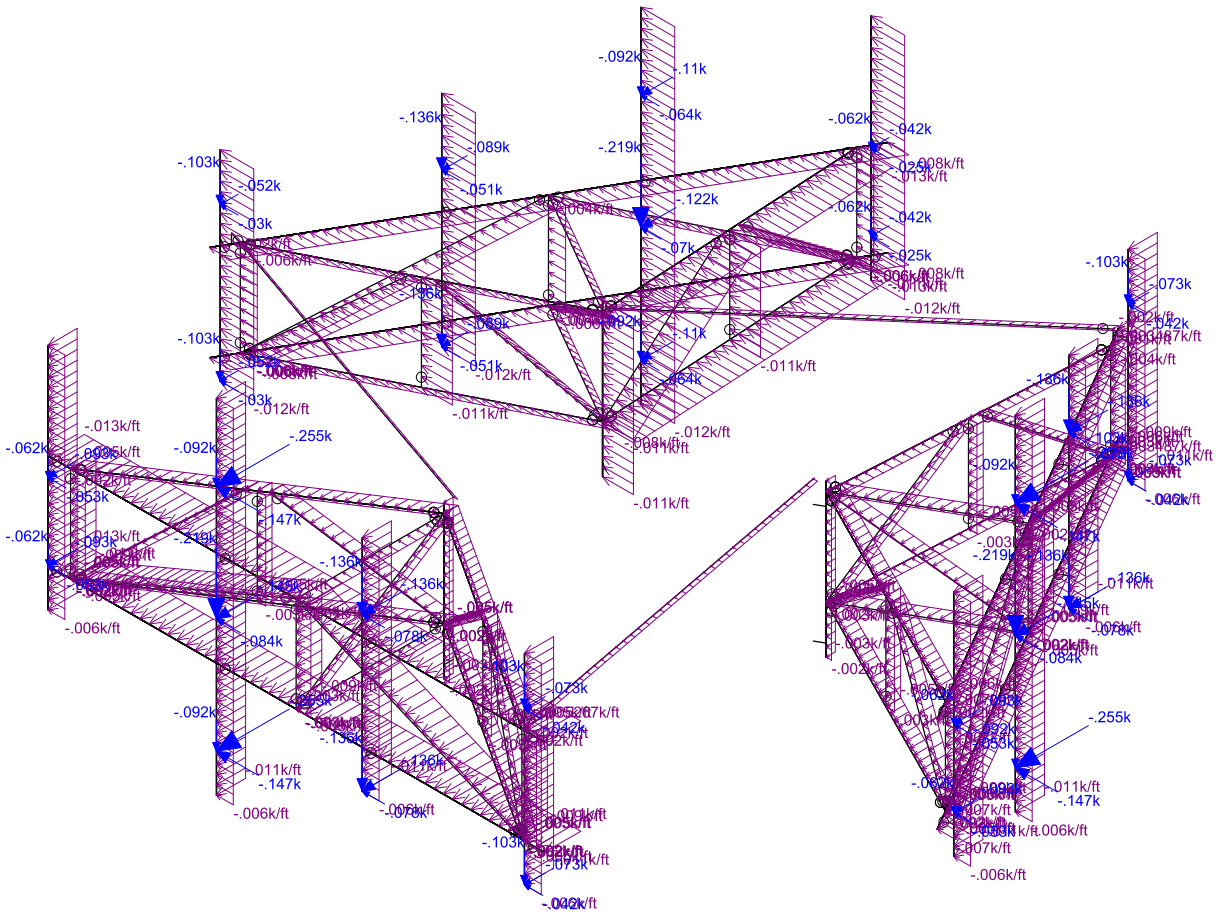
POD		
JMM	807133	Mar 30, 2022 at 7:55 AM
22-125008		(SF34) 807133 - LOADING.r3d





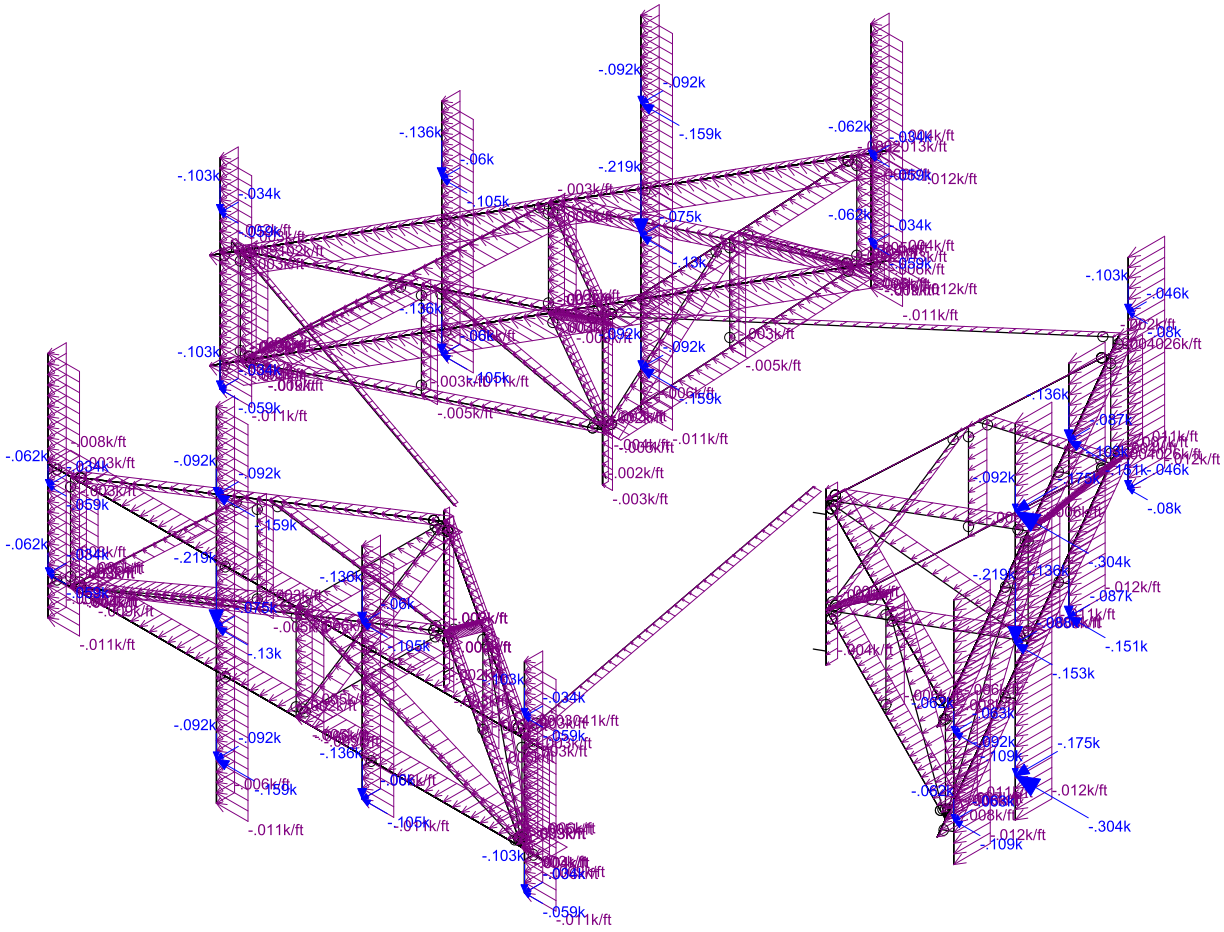
Loads: LC 2, 1.2D + 1.0W(0)

POD		
JMM	807133	Mar 30, 2022 at 7:55 AM
22-125008		(SF34) 807133 - LOADING.r3d



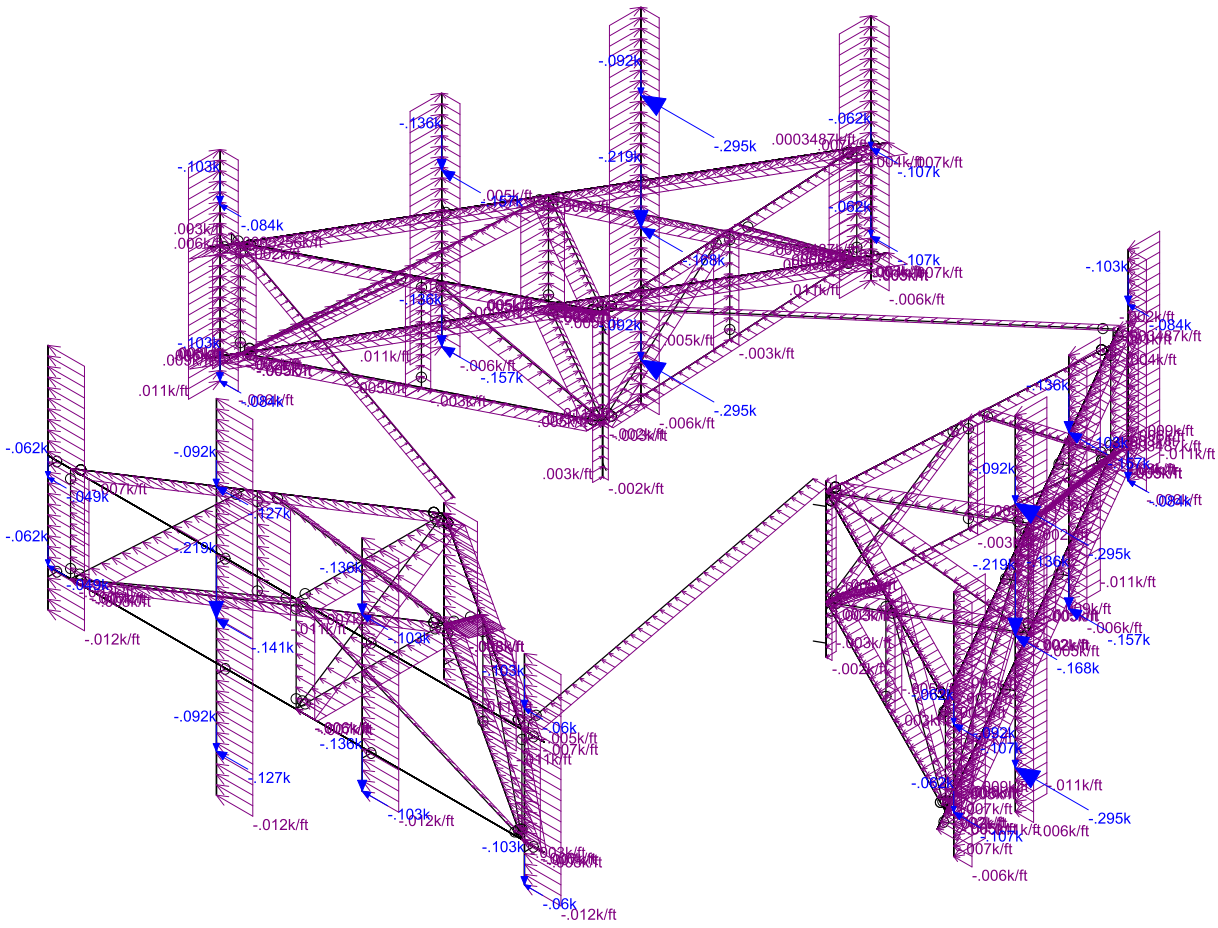
Loads: LC 5, 1.2D + 1.0W(30)

POD		
JMM	807133	Mar 30, 2022 at 7:55 AM
22-125008		(SF34) 807133 - LOADING.r3d



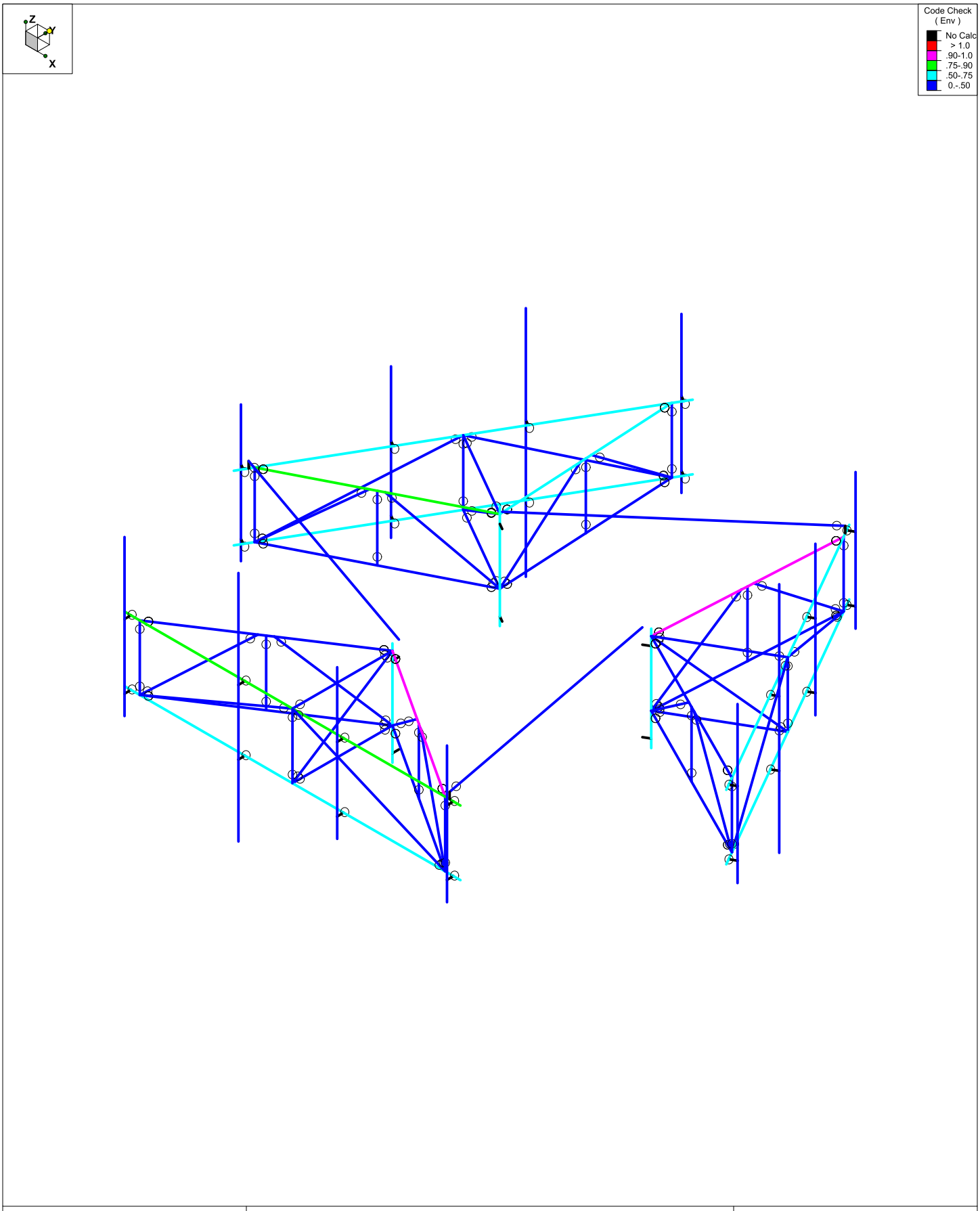
Loads: LC 8, 1.2D + 1.0W(60)

POD		
JMM	807133	Mar 30, 2022 at 7:55 AM
22-125008		(SF34) 807133 - LOADING.r3d

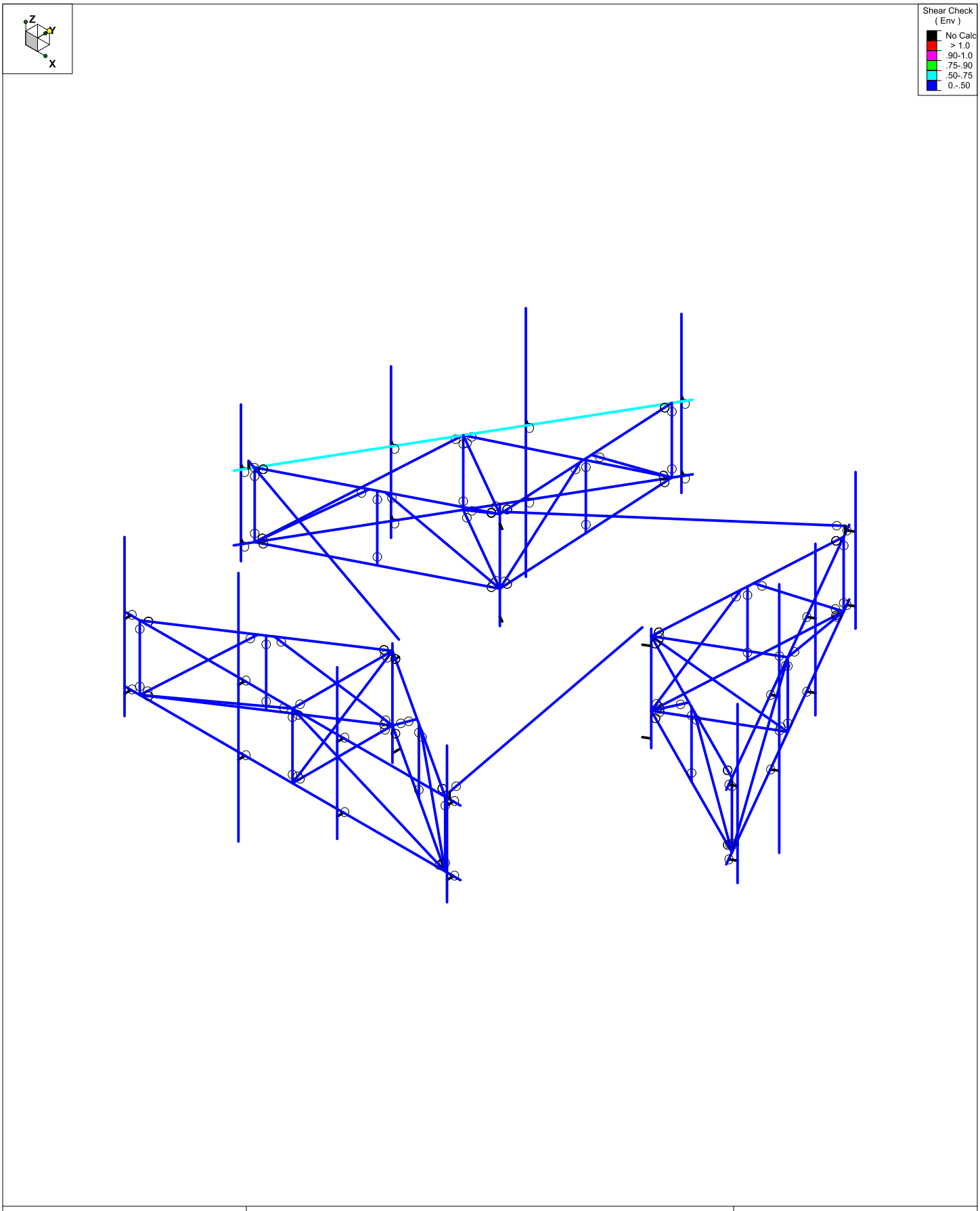


Loads: LC 11, 1.2D + 1.0W(90)

POD		
JMM	807133	Mar 30, 2022 at 7:56 AM
22-125008		(SF34) 807133 - LOADING.r3d



POD		
JMM	807133	Mar 30, 2022 at 7:56 AM
22-125008		(SF34) 807133 - LOADING.r3d



POD		
JMM	807133	Mar 30, 2022 at 7:56 AM
22-125008		(SF34) 807133 - LOADING.r3d

APPENDIX B

Software Input Calculations

POD Job #	**22-125008**
Site Number	**807133**
Site Name	**BRG 134**

General Site Information

Mount Type	MF	Risk Category	II	I (seismic)	1			Use CFD	Yes		
V (Wind Speed)	118	I(ice)	1	Sms	0.390						
Zs	60.78			Sm1	0.137					width (ft)	height (ft)
ti	1	Ss	0.244	Sds	0.260			Front Outer Dimensions		13	2.5
Vi	50	S1	0.057	Sd1	0.091			Side Outer Dimensions		4	2.5
Kzt	1	Soil Site Class	D (assumed)	Seismic Design Category							
Exposure	C	Fa	1.600	B				Number of Sectors		3	
zg	900	Fv	2.400	Seismic Analysis Not Required							
α	9.5			R	2	TIA-222-H 16.7					
Kmin	0.85	Tower Type	Self Support	As	1	TIA-222-H 16.7					
G_H	1	Tower Height	182	Cs, Min	0.03	TIA-222-H 2.7.7.1.1					
Ke	1.00			Cs	0.130133333	TIA-222-H 2.7.7.1.1					
K_D	0.95										
K_s	0.9										

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity		MP #
AIR 32 B2A/B66AA			170	2	48		A/B/C	1	1	
AIR 3246 B66_T-MOBILE			170	2	48		A/B/C	1	2	
AIR6449 B41			170	2	24		A/B/C	1	4	
APXVAARR24_43-U-NA20			170	4	72		A/B/C	1	3	
RADIO 4449 B71 B85A_T-MOBILE			170	4			A/B/C	1	3	
RADIO 4460 B2/B25 B66_TMO			170	4			A/B/C	1	3	

Mount Information

Elevation (ft)	170	Grating Thickness (in)	0
K_z	1.42	Grating Ice Weight (k/ft²)	0.011
Kiz	1.18		
tiz	1.18		

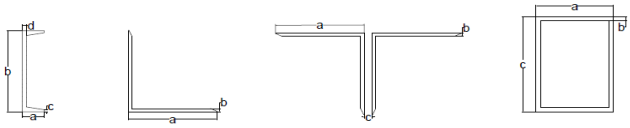
	Length (ft)	Width (in)	Centerline
Mount Pipes	8	2.875	170

Round Members

Member	Length (ft)	Width (in)		Frame Member	# of Members
SO Pipe	4	2.875		Side	1
Tieback	8.7	2.375		No	1

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
Face	13.16	2.5	Angle	2.5	0.1875			Front	2
Face Vert	2.5	1.75	Angle	1.75	0.125			Front	3
Kicker On	7	2	Angle	2	0.1875			Side	4
Kicker Diag On	4.4	1.75	Angle	1.75	0.125			Side	4
SO Vert On	2.5	1.75	Angle	1.75	0.125			Side	2
SO	3.87	2	Angle	2	0.1875			No	2
SO Diag	4.6	1.75	Angle	1.75	0.125			No	1
Face Diag	6.4	2	Angle	2	0.1875			Front	2



Version 3.54

Appurtenance Wind Calculations

Model	Height	Width	Depth	Weight (lbs)	Kz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
AIR 32 B2A/B66AA	59.3	12.9	8.7	172.0	1.42	47.82	3.86	2.51	0.185	0.120	0.168	0.168	0.120
AIR 3246 B66_T-MOBILE	58.7	15.7	9.4	226.0	1.42	47.82	7.31	4.30	0.350	0.206	0.314	0.314	0.206
AIR6449 B41	33.1	20.6	8.6	104.0	1.42	47.82	5.28	2.05	0.252	0.098	0.214	0.214	0.098
APXVAARR24_43-U-NA20	95.9	24.0	8.7	153.3	1.42	47.82	14.67	5.32	0.701	0.254	0.590	0.590	0.254
RADIO 4449 B71 B85A_T-M	17.9	13.2	10.6	73.2	1.42	47.82	1.77	1.43	0.085	0.068	0.081	0.081	0.068
RADIO 4460 B2/B25 B66_TM	17.0	15.1	11.9	109.0	1.42	47.82	1.93	1.52	0.092	0.073	0.087	0.087	0.073

Appurtenance Ice Calculations

Model	tiz (in)	Height	Width	Depth	Weight (lbs)	Kiz	qz (lb/ft$_2$)	$(EPA)_N$ (ft^2)	$(EPA)_T$(ft^2)	Wind Force (Kips) Front	Side	Alpha	Beta	Gamma
AIR 32 B2A/B66AA	1.18	61.61	15.23	11.02	120.88	1.18	8.59	4.28	3.02	0.037	0.026	0.034	0.034	0.026
AIR 3246 B66_T-MOBILE	1.18	61.06	18.06	11.76	139.28	1.18	8.59	7.87	5.05	0.068	0.043	0.062	0.062	0.043
AIR6449 B41	1.18	35.46	22.96	10.96	98.97	1.18	8.59	5.68	2.57	0.049	0.022	0.042	0.042	0.022
APXVAARR24_43-U-NA20	1.18	98.26	26.36	11.06	278.97	1.18	8.59	14.85	6.23	0.127	0.054	0.109	0.109	0.054
RADIO 4449 B71 B85A_T-M	1.18	20.27	15.56	12.99	51.24	1.18	8.59	1.38	1.15	0.012	0.010	0.011	0.011	0.010
RADIO 4460 B2/B25 B66_TM	1.18	19.36	17.46	14.26	57.11	1.18	8.59	1.48	1.21	0.013	0.010	0.012	0.012	0.010

Round Members

Member	Wind Calculations q_z (lb/ft^2)	Ar	C	Rrf	Cas	EPA (ft^2)	Load (k/ft)	Ice Calculations Width (in)	Weight (k/ft)	q_z (lb/ft^2)	Arice	Rrfice	Cas	EPA (ft^2)	Load (k/ft)
SO Pipe	47.82	0.96	32.78	0.63	1.20	0.65	0.004	5.23	0.01	8.59	1.74	0.70	1.20	1.32	0.001
Tieback	47.82	1.72	27.08	0.63	1.20	1.17	0.003	4.73	0.01	8.59	3.43	0.70	1.20	2.60	0.001

Flat Members

Member	Wind Calculations q_z (lb/ft^2)	Af	Cas	EPA	Load (k/ft)	Ice Calculations Width (in)	Weight (k/ft)	q_z (lb/ft^2)	Arice	Rrfice	Cas	EPA	Load (k/ft)
Face	47.82	5.48	1.72	4.25	0.015	4.86	0.01	8.59	10.65	0.70	1.72	5.79	0.004
Face Vert	47.82	1.09	1.72	0.57	0.011	4.11	0.01	8.59	2.57	0.70	1.72	0.93	0.003
Kicker On	47.82	4.67	2.00	2.10	0.007	4.36	0.01	8.59	10.16	0.70	2.00	3.21	0.002
Kicker Diag On	47.82	2.57	2.00	1.16	0.006	4.11	0.01	8.59	6.02	0.70	2.00	1.90	0.002
SO Vert On	47.82	0.73	2.00	0.66	0.006	4.11	0.01	8.59	1.71	0.70	2.00	1.08	0.002
SO	47.82	1.29	2.00	1.16	0.007	4.36	0.01	8.59	2.81	0.70	2.00	1.77	0.002
SO Diag	47.82	0.67	2.00	1.21	0.006	4.11	0.01	8.59	1.57	0.70	2.00	1.99	0.002
Face Diag	47.82	2.13	1.72	1.66	0.012	4.36	0.01	8.59	4.65	0.70	1.72	2.53	0.003

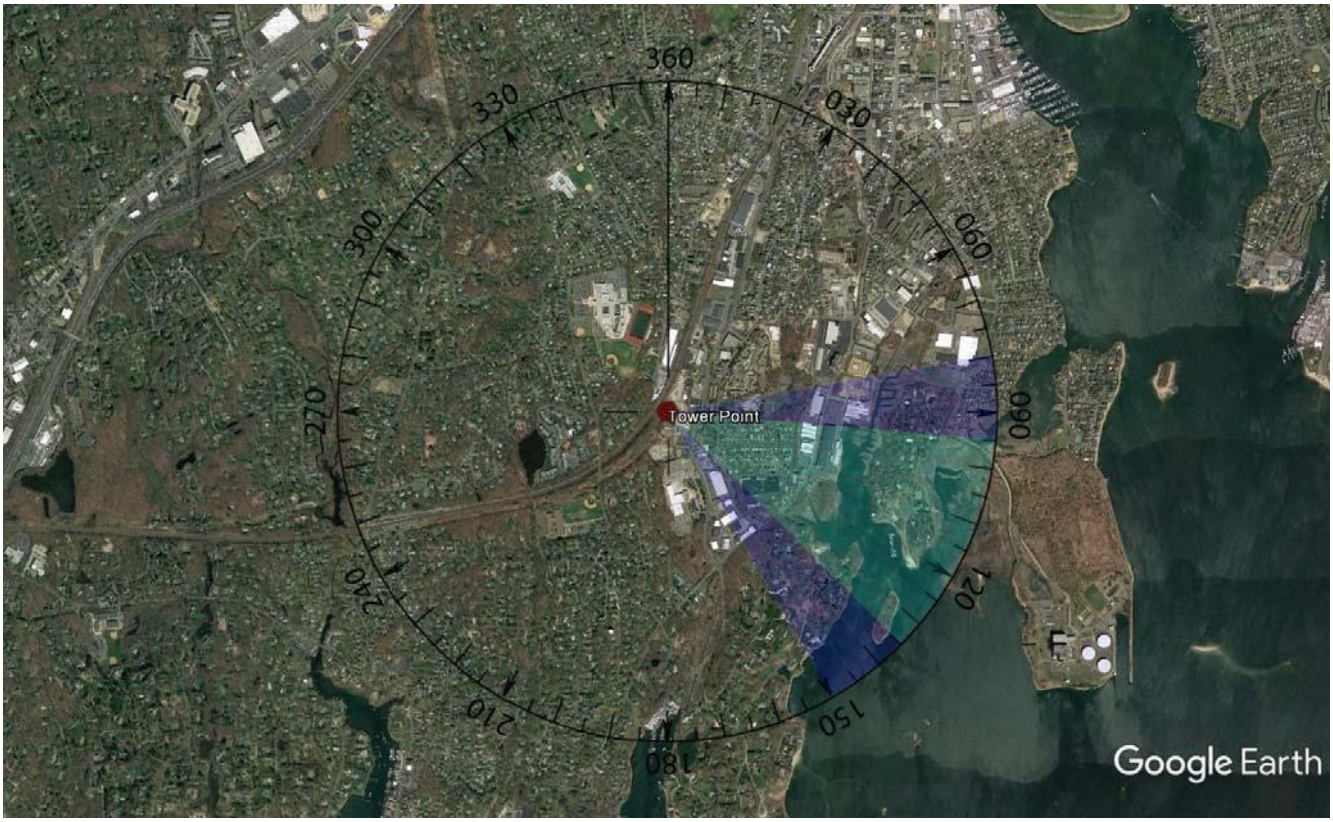
Appurtenance Seismic Calculations

Model	Weight	Sds	ρ	Cs	As	Ev	Eh
AIR 32 B2A/B66AA	172.0	0.260	1.000	0.130	1.000	0.009	0.022
AIR 3246 B66_T-MOBILE	226.0	0.260	1.000	0.130	1.000	0.012	0.029
AIR6449 B41	104.0	0.260	1.000	0.130	1.000	0.005	0.014
APXVAARR24_43-U-NA20	153.3	0.260	1.000	0.130	1.000	0.008	0.020
RADIO 4449 B71 B85A_T-M	73.2	0.260	1.000	0.130	1.000	0.004	0.010
RADIO 4460 B2/B25 B66_TM	109.0	0.260	1.000	0.130	1.000	0.006	0.014

Version 3.54

Exposure Category Determination
BU#807133

- Latitude/Longitude = 41° 4' 54.44", -73° 25' 49.52"
- Tower Height = 180 ft
- Upwind Fetch Radius = Greater of 25 x Tower Height or 3250 ft = 4500 ft
- Minimum Open Patch = 164 ft x 164 ft
- Maximum continuous surface roughness category C arc angle = 70 degrees
- Kmz file saved in folder … R:\SA Models - Letters\Work Area\Exposure_Topo_KMZ



Exposure Category for this site is C.

The determination is based on Crown Castle standard ENG-PRC-10202, Determination of Exposure Category, revision C.

Completed by:	Andy Dykstra	Approved by:	Kayla Weimert
Date:	08/03/17	Date:	08/03/2017

Unmitigated Percentage (B/C)

Inputs

Tower Height (ft):	180'
Starting Azimuth:	95°
Upwind Fetch Radius (ft):	4500'
20% Unmitigated Limit (ft):	900'
Overlay Size Selected:	40°

Subsector (Degrees)	Total Unmitigated Length (ft)	Percentage of Subsector Unmitigated
80°	2200'	48.9%
85°	1105'	24.6%
90°	1175'	26.1%
95°	1450'	32.2%
100°	1560'	34.7%
105°	1545'	34.3%
110°	1745'	38.8%
115°	1750'	38.9%
120°	2090'	46.4%
125°	2105'	46.8%
130°	905'	20.1%
135°	1105'	24.6%
140°	1095'	24.3%
145°	1305'	29.0%

THIS SITE IS EXPOSURE:	C

Length measurements should be taken to the nearest 5' increment.

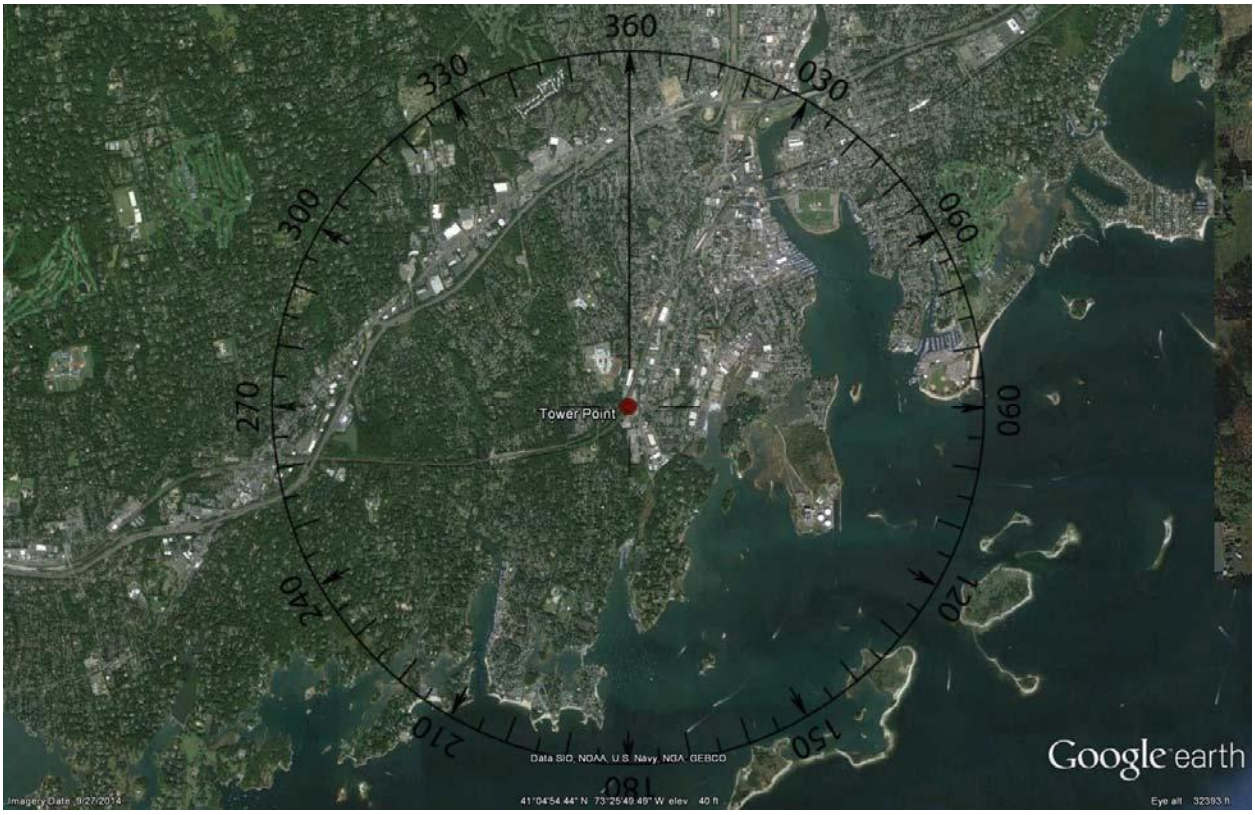
The determination is based on Crown Castle standard ENG-PRC-10202, Determination of Exposure Category, revision C.

This chart is intended only for use with Exposures B and C and is <u>Not</u> applicable for Exposure D.

LEGEND	
	Considered Subsector
	Bookending Subsector

Topographic Factor Determination
BU#807133

- Latitude/Longitude = 41° 4' 54.44",-73° 25' 49.52"
- Tower Height = 180 ft
- Topo Radius = 10,560 ft
- Maximum continuous effective topo arc angle = 0 degrees
- Critical wind azimuth used in topo tool = 0
- Kmz file saved in folder … R:\SA Models - Letters\Work Area\Exposure_Topo_KMZ



Exposure Category for this site is C.
No topo feature.
Topographic Factor (K_{ZT}) at base is 1.00.

The determination is based on Crown Castle standard ENG-PRC-10040, Determination of Topographic Factor, initial release.

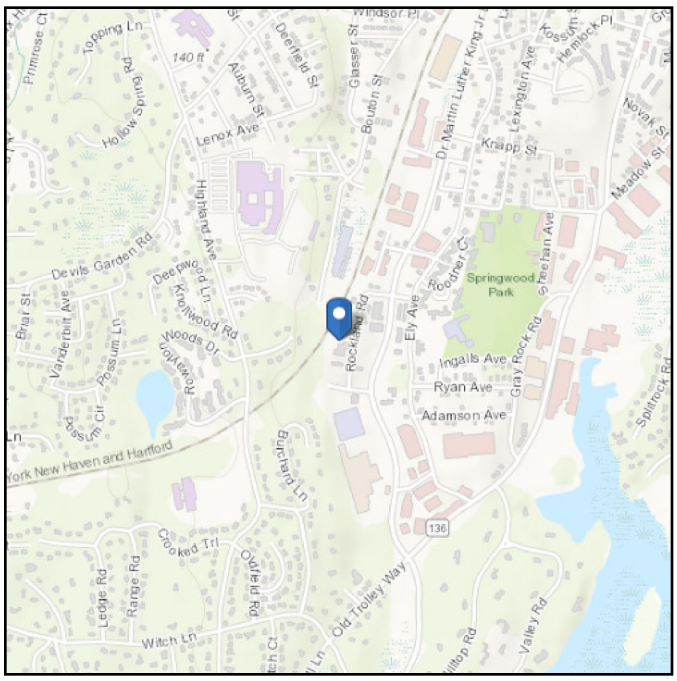
Completed by:	Andy Dykstra	Approved by:	Kayla Weimert
Date:	08/03/17	Date:	08/03/2017

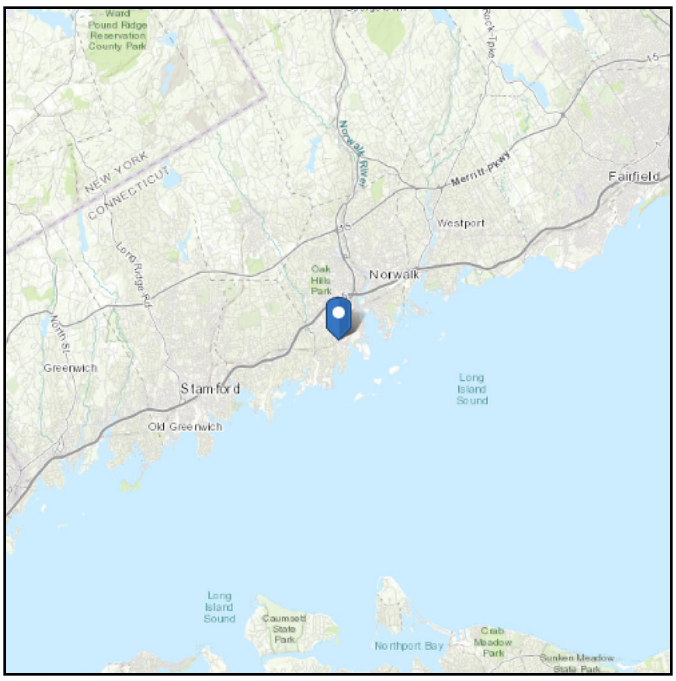
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Default (see Section 11.4.3)

Elevation: 60.78 ft (NAVD 88)
Latitude: 41.081789
Longitude: -73.430422





Wind

Results:

Wind Speed	118 Vmph
10-year MRI	75 Vmph
25-year MRI	85 Vmph
50-year MRI	90 Vmph
100-year MRI	98 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Tue Mar 29 2022

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 7-16 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 7-16 Section 26.2. Glazed openings need not be protected against wind-borne debris.

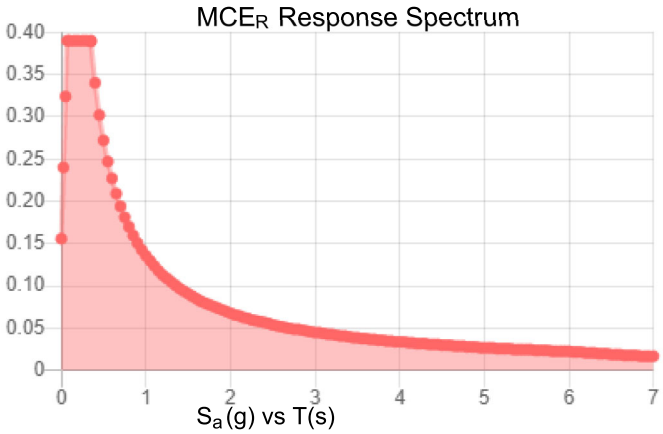
Seismic

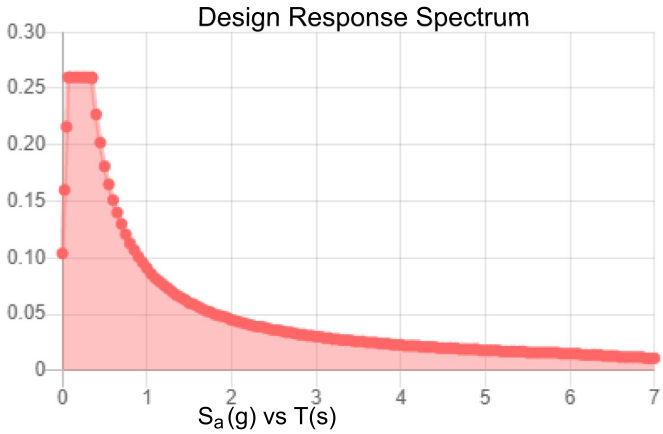
Site Soil Class: D - Default (see Section 11.4.3)

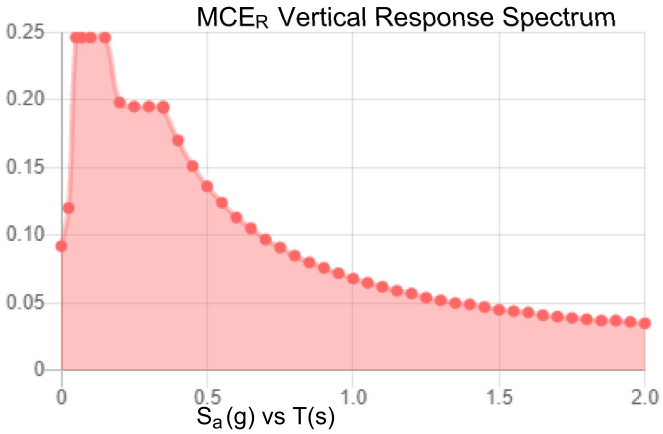
Results:

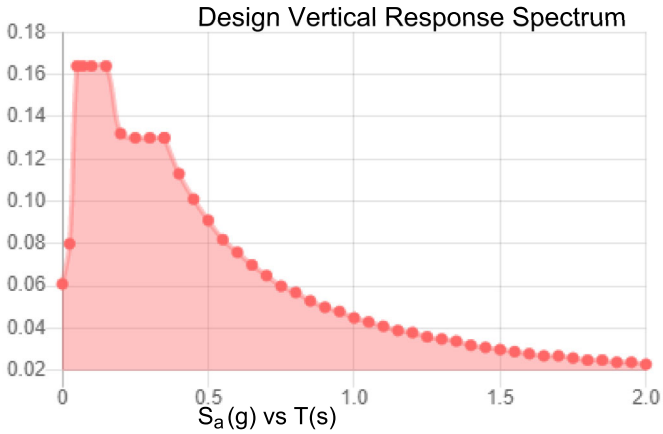
S_S :	0.244	S_{D1} :	0.091
S_1 :	0.057	T_L :	6
F_a :	1.6	PGA :	0.144
F_v :	2.4	PGA_M :	0.218
S_{MS} :	0.39	F_{PGA} :	1.511
S_{M1} :	0.136	I_e :	1
S_{DS} :	0.26	C_v :	0.788

Seismic Design Category B









Data Accessed: **Tue Mar 29 2022**

Date Source:

USGS Seismic Design Maps based on ASCE/SEI 7-16 and ASCE/SEI 7-16 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-16 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	15 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Tue Mar 29 2022

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 500-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.

APPENDIX C

Software Analysis Output

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[...	Lcomp bot[...	L-torq...	Kyy	Kzz	Cb	Functi...
1	TIEBACK	PIPE_2.0	9.413			Lbyy						Lateral
2	SO2	L2x2x3	3.87			Lbyy						Lateral
3	SO1	L2x2x3	3.87			Lbyy						Lateral
4	SO VERT2	L1.75x1.75...	2.5			Lbyy						Lateral
5	SO VERT1	L1.75x1.75...	2.5			Lbyy						Lateral
6	SO PIPE	PIPE_2.5	4			Lbyy						Lateral
7	SO DIAG	L1.75x1.75...	4.607			Lbyy						Lateral
8	MP ALPHA4	PIPE_2.0	6			Lbyy						Lateral
9	MP ALPHA3	PIPE_2.5	9			Lbyy						Lateral
10	MP ALPHA2	PIPE_2.0	5.75			Lbyy						Lateral
11	MP ALPHA1	PIPE_2.0	5.25			Lbyy						Lateral
12	KICKER4	L2x2x3	7.064	3.5		Lbyy						Lateral
13	KICKER3	L2x2x3	7.064		3.5	Lbyy						Lateral
14	KICKER2	L2x2x3	7.064		3.5	Lbyy						Lateral
15	KICKER1	L2x2x3	7.064	3.5		Lbyy						Lateral
16	KICKER DIAG4	L1.75x1.75...	4.143			Lbyy						Lateral
17	KICKER DIAG3	L1.75x1.75...	4.143			Lbyy						Lateral
18	KICKER DIAG2	L1.75x1.75...	4.143			Lbyy						Lateral
19	KICKER DIAG1	L1.75x1.75...	4.143			Lbyy						Lateral
20	FACE2	L2.5x2.5x3	13	5.91	5.91	Lbyy						Lateral
21	FACE1	L2.5x2.5x3	13	5.91	5.91	Lbyy						Lateral
22	FACE VERT3	L1.75x1.75...	2.5			Lbyy						Lateral
23	FACE VERT2	L1.75x1.75...	2.5			Lbyy						Lateral
24	FACE VERT1	L1.75x1.75...	2.5			Lbyy						Lateral
25	FACE DIAG2	L2x2x3	6.417			Lbyy						Lateral
26	FACE DIAG1	L2x2x3	6.417			Lbyy						Lateral
27	TIEBACK B	PIPE_2.0	9.413			Lbyy						Lateral
28	SO2 B	L2x2x3	3.87			Lbyy						Lateral
29	SO1 B	L2x2x3	3.87			Lbyy						Lateral
30	SO VERT2 B	L1.75x1.75...	2.5			Lbyy						Lateral
31	SO VERT1 B	L1.75x1.75...	2.5			Lbyy						Lateral
32	SO PIPE B	PIPE_2.5	4			Lbyy						Lateral
33	SO DIAG B	L1.75x1.75...	4.607			Lbyy						Lateral
34	MP BETA4	PIPE_2.0	6			Lbyy						Lateral
35	MP BETA3	PIPE_2.5	9			Lbyy						Lateral
36	MP BETA2	PIPE_2.0	5.75			Lbyy						Lateral
37	MP BETA1	PIPE_2.0	5.25			Lbyy						Lateral
38	KICKER4 B	L2x2x3	7.064	3.5		Lbyy						Lateral
39	KICKER3 B	L2x2x4	7.064		3.5	Lbyy						Lateral
40	KICKER2 B	L2x2x3	7.064		3.5	Lbyy						Lateral
41	KICKER1 B	L2x2x3	7.064	3.5		Lbyy						Lateral
42	KICKER DIAG...	L1.75x1.75...	4.143			Lbyy						Lateral
43	KICKER DIAG...	L1.75x1.75...	4.143			Lbyy						Lateral
44	KICKER DIAG...	L1.75x1.75...	4.143			Lbyy						Lateral
45	KICKER DIAG...	L1.75x1.75...	4.143			Lbyy						Lateral
46	FACE2 B	L2.5x2.5x3	13	5.91	5.91	Lbyy						Lateral
47	FACE1 B	L2.5x2.5x3	13	5.91	5.91	Lbyy						Lateral
48	FACE VERT3 B	L1.75x1.75...	2.5			Lbyy						Lateral
49	FACE VERT2 B	L1.75x1.75...	2.5			Lbyy						Lateral
50	FACE VERT1 B	L1.75x1.75...	2.5			Lbyy						Lateral
51	FACE DIAG2 B	L2x2x3	6.417			Lbyy						Lateral
52	FACE DIAG1 B	L2x2x3	6.417			Lbyy						Lateral
53	TIEBACK C	PIPE_2.0	9.413			Lbyy						Lateral
54	SO2 C	L2x2x3	3.87			Lbyy						Lateral
55	SO1 C	L2x2x3	3.87			Lbyy						Lateral
56	SO VERT2 C	L1.75x1.75...	2.5			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[...	Lcomp bot[...	L-torq...	Kyy	Kzz	Cb	Functi...
57	SO VERT1 C	L1.75x1.75...	2.5			Lbyy						Lateral
58	SO PIPE C	PIPE_2.5	4			Lbyy						Lateral
59	SO DIAG C	L1.75x1.75...	4.607			Lbyy						Lateral
60	MP GAMMA4	PIPE_2.0	6			Lbyy						Lateral
61	MP GAMMA3	PIPE_2.5	9			Lbyy						Lateral
62	MP GAMMA2	PIPE_2.0	5.75			Lbyy						Lateral
63	MP GAMMA1	PIPE_2.0	5.25			Lbyy						Lateral
64	KICKER4 C	L2x2x3	7.064	3.5		Lbyy						Lateral
65	KICKER3 C	L2x2x3	7.064		3.5	Lbyy						Lateral
66	KICKER2 C	L2x2x3	7.064		3.5	Lbyy						Lateral
67	KICKER1 C	L2x2x3	7.064	3.5		Lbyy						Lateral
68	KICKER DIAG...	L1.75x1.75...	4.143			Lbyy						Lateral
69	KICKER DIAG...	L1.75x1.75...	4.143			Lbyy						Lateral
70	KICKER DIAG...	L1.75x1.75...	4.143			Lbyy						Lateral
71	KICKER DIAG...	L1.75x1.75...	4.143			Lbyy						Lateral
72	FACE2 C	L2.5x2.5x3	13	5.91	5.91	Lbyy						Lateral
73	FACE1 C	L2.5x2.5x3	13	5.91	5.91	Lbyy						Lateral
74	FACE VERT3 C	L1.75x1.75...	2.5			Lbyy						Lateral
75	FACE VERT2 C	L1.75x1.75...	2.5			Lbyy						Lateral
76	FACE VERT1 C	L1.75x1.75...	2.5			Lbyy						Lateral
77	FACE DIAG2 C	L2x2x3	6.417			Lbyy						Lateral
78	FACE DIAG1 C	L2x2x3	6.417			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design Rules
1	TIEBACK	N55	N50			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
2	SO2	N13	N14		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
3	SO1	N5	N6		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
4	SO VERT2	N8	N16		225	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
5	SO VERT1	N7	N15		22	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
6	SO PIPE	N18	N17			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
7	SO DIAG	N5	N14			L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
8	MP ALPHA4	N67A	N66			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
9	MP ALPHA3	N48	N47			PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
10	MP ALPHA2	N65A	N64A			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
11	MP ALPHA1	N56A	N55A			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
12	KICKER4	N4	N6		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
13	KICKER3	N12	N14		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
14	KICKER2	N3	N6		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
15	KICKER1	N11	N14		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
16	KICKER DIAG4	N4	N56		340	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
17	KICKER DIAG3	N6	N57		250	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
18	KICKER DIAG2	N6	N59		20	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
19	KICKER DIAG1	N3	N58		290	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
20	FACE2	N9	N10		270	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
21	FACE1	N1	N2			L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
22	FACE VERT3	N4	N12			L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
23	FACE VERT2	N5	N13		270	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
24	FACE VERT1	N3	N11		270	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
25	FACE DIAG2	N4	N13			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
26	FACE DIAG1	N3	N13		270	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
27	11	N52	N54			RIGID	None	None	RIGID	Typical
28	10	N54A	N55			RIGID	None	None	RIGID	Typical
29	9	N51	N53			RIGID	None	None	RIGID	Typical
30	8	N35	N37			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design Rules
31	7	N36	N38			RIGID	None	None	RIGID	Typical
32	6	N27	N29			RIGID	None	None	RIGID	Typical
33	5	N28	N30			RIGID	None	None	RIGID	Typical
34	4	N23	N25			RIGID	None	None	RIGID	Typical
35	3	N24	N26			RIGID	None	None	RIGID	Typical
36	2	N21	N22			RIGID	None	None	RIGID	Typical
37	1	N19	N20			RIGID	None	None	RIGID	Typical
38	TIEBACK B	N98	N105		180	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
39	SO2 B	N69	N70		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
40	SO1 B	N61	N62		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
41	SO VERT2 B	N64	N72		115	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
42	SO VERT1 B	N63	N71		272	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
43	SO PIPE B	N74	N73		250	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
44	SO DIAG B	N61	N70		259.691	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
45	MP BETA4	N96	N95		250	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
46	MP BETA3	N92	N91		250	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
47	MP BETA2	N94	N93		250	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
48	MP BETA1	N104	N103		250	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
49	KICKER4 B	N60	N62		270	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
50	KICKER3 B	N68	N70			L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
51	KICKER2 B	N59A	N62		360	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
52	KICKER1 B	N67	N70		270	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
53	KICKER DIAG4 B	N60	N106		205.124	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
54	KICKER DIAG3 B	N62	N107		115.124	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
55	KICKER DIAG2 B	N62	N109		290.236	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
56	KICKER DIAG1 B	N59A	N108		200.236	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
57	FACE2 B	N65	N66A		90	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
58	FACE1 B	N57A	N58A		180	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
59	FACE VERT3 B	N60	N68		250	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
60	FACE VERT2 B	N61	N69		160	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
61	FACE VERT1 B	N59A	N67		160	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
62	FACE DIAG2 B	N60	N69		223.117	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
63	FACE DIAG1 B	N59A	N69		133.117	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
64	11 B	N100	N102			RIGID	None	None	RIGID	Typical
65	10 B	N97	N98		250	RIGID	None	None	RIGID	Typical
66	9 B	N99	N101			RIGID	None	None	RIGID	Typical
67	8 B	N87	N89			RIGID	None	None	RIGID	Typical
68	7 B	N88	N90			RIGID	None	None	RIGID	Typical
69	6 B	N83	N85			RIGID	None	None	RIGID	Typical
70	5 B	N84	N86			RIGID	None	None	RIGID	Typical
71	4 B	N79	N81			RIGID	None	None	RIGID	Typical
72	3 B	N80	N82			RIGID	None	None	RIGID	Typical
73	2 B	N77	N56B			RIGID	None	None	RIGID	Typical
74	1 B	N75	N76			RIGID	None	None	RIGID	Typical
75	TIEBACK C	N154	N161			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
76	SO2 C	N125	N126		270	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
77	SO1 C	N117	N118		360	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
78	SO VERT2 C	N120	N128		355	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
79	SO VERT1 C	N119	N127		152	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
80	SO PIPE C	N130	N129		130	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
81	SO DIAG C	N117	N126		113.618	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
82	MP GAMMA4	N152	N151		130	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
83	MP GAMMA3	N148	N147		130	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical
84	MP GAMMA2	N150	N149		130	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
85	MP GAMMA1	N160	N159		130	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
86	KICKER4 C	N116	N118		90	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
87	KICKER3 C	N124	N126		180	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design Rules
88	KICKER2 C	N115	N118		360	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
89	KICKER1 C	N123	N126		270	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
90	KICKER DIAG4 C	N116	N162		102.183	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
91	KICKER DIAG3 C	N118	N163		12.183	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
92	KICKER DIAG2 C	N118	N165		168.843	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
93	KICKER DIAG1 C	N115	N164		78.843	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
94	FACE2 C	N121	N122		90	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
95	FACE1 C	N113	N114		180	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical
96	FACE VERT3 C	N116	N124		130	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
97	FACE VERT2 C	N117	N125		40	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
98	FACE VERT1 C	N115	N123		40	L1.75x1.75x....	Beam	Single Angle	A36 Gr.36	Typical
99	FACE DIAG2 C	N116	N125		158.925	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
100	FACE DIAG1 C	N115	N125		68.925	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical
101	11 C	N156	N158		180	RIGID	None	None	RIGID	Typical
102	10 C	N153	N154		130	RIGID	None	None	RIGID	Typical
103	9 C	N155	N157		180	RIGID	None	None	RIGID	Typical
104	8 C	N143	N145		180	RIGID	None	None	RIGID	Typical
105	7 C	N144	N146		180	RIGID	None	None	RIGID	Typical
106	6 C	N139	N141		180	RIGID	None	None	RIGID	Typical
107	5 C	N140	N142		180	RIGID	None	None	RIGID	Typical
108	4 C	N135	N137		180	RIGID	None	None	RIGID	Typical
109	3 C	N136	N138		180	RIGID	None	None	RIGID	Typical
110	2 C	N133	N54B		180	RIGID	None	None	RIGID	Typical
111	1 C	N131	N132		180	RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	TIEBACK	OOOOOX					Yes	Default			None
2	SO2	OOOOOX	OOOOOX				Yes	Default			None
3	SO1	OOOOOX	OOOOOX				Yes	Default			None
4	SO VERT2	OOOOXO	OOOOXO				Yes	Default			None
5	SO VERT1	OOOOOX	OOOOOX				Yes	Default			None
6	SO PIPE						Yes				None
7	SO DIAG	OOOOXO	OOOOXO				Yes	Default			None
8	MP ALPHA4						Yes				None
9	MP ALPHA3						Yes				None
10	MP ALPHA2						Yes				None
11	MP ALPHA1						Yes				None
12	KICKER4	OOOOXO	OOOOXO				Yes	Default			None
13	KICKER3	OOOOOX	OOOOOX				Yes	Default			None
14	KICKER2	OOOOOX	OOOOOX				Yes	Default			None
15	KICKER1	OOOOXO	OOOOXO				Yes	Default			None
16	KICKER DI...	OOOOXO	OOOOXO				Yes	Default			None
17	KICKER DI...	OOOOOX	OOOOOX				Yes	Default			None
18	KICKER DI...	OOOOXO	OOOOXO				Yes	Default			None
19	KICKER DI...	OOOOOX	OOOOOX				Yes	Default			None
20	FACE2						Yes	Default			None
21	FACE1						Yes				None
22	FACE VER...	OOOOXO	OOOOXO				Yes	Default			None
23	FACE VER...	OOOOOX	OOOOOX				Yes	Default			None
24	FACE VER...	OOOOOX	OOOOOX				Yes	Default			None
25	FACE DIAG2	OOOOXO	OOOOXO				Yes	Default			None
26	FACE DIAG1	OOOOOX	OOOOOX				Yes	Default			None
27	11		OOOXOO				Yes	** NA **			None
28	10						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
29	9		OOOXOO				Yes	** NA **			None
30	8		OOOXOO				Yes	** NA **			None
31	7		OOOXOO				Yes	** NA **			None
32	6		OOOXOO				Yes	** NA **			None
33	5		OOOXOO				Yes	** NA **			None
34	4		OOOXOO				Yes	** NA **			None
35	3		OOOXOO				Yes	** NA **			None
36	2						Yes	** NA **			None
37	1						Yes	** NA **			None
38	TIEBACK B	OOOOOX					Yes	Default			None
39	SO2 B	OOOOOX	OOOOOX				Yes	Default			None
40	SO1 B	OOOOOX	OOOOOX				Yes	Default			None
41	SO VERT2 B	OOOOXO	OOOOXO				Yes	Default			None
42	SO VERT1 B	OOOOOX	OOOOOX				Yes	Default			None
43	SO PIPE B						Yes				None
44	SO DIAG B	OOOOXO	OOOOXO				Yes	Default			None
45	MP BETA4						Yes				None
46	MP BETA3						Yes				None
47	MP BETA2						Yes				None
48	MP BETA1						Yes				None
49	KICKER4 B	OOOOXO	OOOOXO				Yes	Default			None
50	KICKER3 B	OOOOOX	OOOOOX				Yes	Default			None
51	KICKER2 B	OOOOOX	OOOOOX				Yes	Default			None
52	KICKER1 B	OOOOXO	OOOOXO				Yes	Default			None
53	KICKER DI...	OOOOXO	OOOOXO				Yes	Default			None
54	KICKER DI...	OOOOOX	OOOOOX				Yes	Default			None
55	KICKER DI...	OOOOXO	OOOOXO				Yes	Default			None
56	KICKER DI...	OOOOOX	OOOOOX				Yes	Default			None
57	FACE2 B						Yes	Default			None
58	FACE1 B						Yes				None
59	FACE VER...	OOOOXO	OOOOXO				Yes	Default			None
60	FACE VER...	OOOOOX	OOOOOX				Yes	Default			None
61	FACE VER...	OOOOOX	OOOOOX				Yes	Default			None
62	FACE DIA...	OOOOXO	OOOOXO				Yes	Default			None
63	FACE DIA...	OOOOOX	OOOOOX				Yes	Default			None
64	11 B		OOOXOO				Yes	** NA **			None
65	10 B						Yes	** NA **			None
66	9 B		OOOXOO				Yes	** NA **			None
67	8 B		OOOXOO				Yes	** NA **			None
68	7 B		OOOXOO				Yes	** NA **			None
69	6 B		OOOXOO				Yes	** NA **			None
70	5 B		OOOXOO				Yes	** NA **			None
71	4 B		OOOXOO				Yes	** NA **			None
72	3 B		OOOXOO				Yes	** NA **			None
73	2 B						Yes	** NA **			None
74	1 B						Yes	** NA **			None
75	TIEBACK C	OOOOOX					Yes	Default			None
76	SO2 C	OOOOOX	OOOOOX				Yes	Default			None
77	SO1 C	OOOOOX	OOOOOX				Yes	Default			None
78	SO VERT2 C	OOOOXO	OOOOXO				Yes	Default			None
79	SO VERT1 C	OOOOOX	OOOOOX				Yes	Default			None
80	SO PIPE C						Yes				None
81	SO DIAG C	OOOOXO	OOOOXO				Yes	Default			None
82	MP GAMM...						Yes				None
83	MP GAMM...						Yes				None
84	MP GAMM...						Yes				None
85	MP GAMM...						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
86	KICKER4 C	OOOOXO	OOOOXO				Yes	Default			None
87	KICKER3 C	OOOOOX	OOOOOX				Yes	Default			None
88	KICKER2 C	OOOOOX	OOOOOX				Yes	Default			None
89	KICKER1 C	OOOOXO	OOOOXO				Yes	Default			None
90	KICKER DI...	OOOOXO	OOOOXO				Yes	Default			None
91	KICKER DI...	OOOOOX	OOOOOX				Yes	Default			None
92	KICKER DI...	OOOOXO	OOOOXO				Yes	Default			None
93	KICKER DI...	OOOOOX	OOOOOX				Yes	Default			None
94	FACE2 C						Yes	Default			None
95	FACE1 C						Yes				None
96	FACE VER...	OOOOXO	OOOOXO				Yes	Default			None
97	FACE VER...	OOOOOX	OOOOOX				Yes	Default			None
98	FACE VER...	OOOOOX	OOOOOX				Yes	Default			None
99	FACE DIA...	OOOOXO	OOOOXO				Yes	Default			None
100	FACE DIA...	OOOOOX	OOOOOX				Yes	Default			None
101	11 C		OOOXOO				Yes	** NA **			None
102	10 C						Yes	** NA **			None
103	9 C		OOOXOO				Yes	** NA **			None
104	8 C		OOOXOO				Yes	** NA **			None
105	7 C		OOOXOO				Yes	** NA **			None
106	6 C		OOOXOO				Yes	** NA **			None
107	5 C		OOOXOO				Yes	** NA **			None
108	4 C		OOOXOO				Yes	** NA **			None
109	3 C		OOOXOO				Yes	** NA **			None
110	2 C						Yes	** NA **			None
111	1 C						Yes	** NA **			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3

Member Point Loads (BLC 1 : Live Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	FACE1	Z	-.5	0
2	FACE1 B	Z	-.5	0
3	FACE1 C	Z	-.5	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.092	4
2	MP ALPHA1	Y	-.092	0
3	MP BETA1	Y	-.068	4
4	MP BETA1	Y	-.068	0
5	MP GAMMA1	Y	-.068	4
6	MP GAMMA1	Y	-.068	0
7	MP ALPHA2	Y	-.175	4
8	MP ALPHA2	Y	-.175	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
9	MP BETA2	Y	-.121	4
10	MP BETA2	Y	-.121	0
11	MP GAMMA2	Y	-.121	4
12	MP GAMMA2	Y	-.121	0
13	MP ALPHA4	Y	-.126	3
14	MP ALPHA4	Y	-.126	1
15	MP BETA4	Y	-.068	3
16	MP BETA4	Y	-.068	1
17	MP GAMMA4	Y	-.068	3
18	MP GAMMA4	Y	-.068	1
19	MP ALPHA3	Y	-.351	7
20	MP ALPHA3	Y	-.351	1
21	MP BETA3	Y	-.183	7
22	MP BETA3	Y	-.183	1
23	MP GAMMA3	Y	-.183	7
24	MP GAMMA3	Y	-.183	1
25	MP ALPHA3	Y	-.085	4
26	MP BETA3	Y	-.072	4
27	MP GAMMA3	Y	-.072	4
28	MP ALPHA3	Y	-.092	4
29	MP BETA3	Y	-.077	4
30	MP GAMMA3	Y	-.077	4

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.086	4
2	MP ALPHA1	Z	-.086	0
3	MP BETA1	Z	-.086	4
4	MP BETA1	Z	-.086	0
5	MP GAMMA1	Z	-.086	4
6	MP GAMMA1	Z	-.086	0
7	MP ALPHA2	Z	-.113	4
8	MP ALPHA2	Z	-.113	0
9	MP BETA2	Z	-.113	4
10	MP BETA2	Z	-.113	0
11	MP GAMMA2	Z	-.113	4
12	MP GAMMA2	Z	-.113	0
13	MP ALPHA4	Z	-.052	3
14	MP ALPHA4	Z	-.052	1
15	MP BETA4	Z	-.052	3
16	MP BETA4	Z	-.052	1
17	MP GAMMA4	Z	-.052	3
18	MP GAMMA4	Z	-.052	1
19	MP ALPHA3	Z	-.077	7
20	MP ALPHA3	Z	-.077	1
21	MP BETA3	Z	-.077	7
22	MP BETA3	Z	-.077	1
23	MP GAMMA3	Z	-.077	7
24	MP GAMMA3	Z	-.077	1
25	MP ALPHA3	Z	-.073	4
26	MP BETA3	Z	-.073	4
27	MP GAMMA3	Z	-.073	4
28	MP ALPHA3	Z	-.109	4
29	MP BETA3	Z	-.109	4
30	MP GAMMA3	Z	-.109	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.073	4
2	MP ALPHA1	Y	-.073	0
3	MP ALPHA1	X	-.042	4
4	MP ALPHA1	X	-.042	0
5	MP BETA1	Y	-.052	4
6	MP BETA1	Y	-.052	0
7	MP BETA1	X	-.03	4
8	MP BETA1	X	-.03	0
9	MP GAMMA1	Y	-.073	4
10	MP GAMMA1	Y	-.073	0
11	MP GAMMA1	X	-.042	4
12	MP GAMMA1	X	-.042	0
13	MP ALPHA2	Y	-.136	4
14	MP ALPHA2	Y	-.136	0
15	MP ALPHA2	X	-.078	4
16	MP ALPHA2	X	-.078	0
17	MP BETA2	Y	-.089	4
18	MP BETA2	Y	-.089	0
19	MP BETA2	X	-.051	4
20	MP BETA2	X	-.051	0
21	MP GAMMA2	Y	-.136	4
22	MP GAMMA2	Y	-.136	0
23	MP GAMMA2	X	-.078	4
24	MP GAMMA2	X	-.078	0
25	MP ALPHA4	Y	-.093	3
26	MP ALPHA4	Y	-.093	1
27	MP ALPHA4	X	-.053	3
28	MP ALPHA4	X	-.053	1
29	MP BETA4	Y	-.042	3
30	MP BETA4	Y	-.042	1
31	MP BETA4	X	-.025	3
32	MP BETA4	X	-.025	1
33	MP GAMMA4	Y	-.093	3
34	MP GAMMA4	Y	-.093	1
35	MP GAMMA4	X	-.053	3
36	MP GAMMA4	X	-.053	1
37	MP ALPHA3	Y	-.255	7
38	MP ALPHA3	Y	-.255	1
39	MP ALPHA3	X	-.147	7
40	MP ALPHA3	X	-.147	1
41	MP BETA3	Y	-.11	7
42	MP BETA3	Y	-.11	1
43	MP BETA3	X	-.064	7
44	MP BETA3	X	-.064	1
45	MP GAMMA3	Y	-.255	7
46	MP GAMMA3	Y	-.255	1
47	MP GAMMA3	X	-.147	7
48	MP GAMMA3	X	-.147	1
49	MP ALPHA3	Y	-.07	4
50	MP ALPHA3	X	-.04	4
51	MP BETA3	Y	-.059	4
52	MP BETA3	X	-.034	4
53	MP GAMMA3	Y	-.07	4
54	MP GAMMA3	X	-.04	4
55	MP ALPHA3	Y	-.076	4
56	MP ALPHA3	X	-.044	4
57	MP BETA3	Y	-.063	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA3	X	-.036	4
59	MP GAMMA3	Y	-.076	4
60	MP GAMMA3	X	-.044	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.034	4
2	MP ALPHA1	Y	-.034	0
3	MP ALPHA1	X	-.059	4
4	MP ALPHA1	X	-.059	0
5	MP BETA1	Y	-.034	4
6	MP BETA1	Y	-.034	0
7	MP BETA1	X	-.059	4
8	MP BETA1	X	-.059	0
9	MP GAMMA1	Y	-.046	4
10	MP GAMMA1	Y	-.046	0
11	MP GAMMA1	X	-.08	4
12	MP GAMMA1	X	-.08	0
13	MP ALPHA2	Y	-.06	4
14	MP ALPHA2	Y	-.06	0
15	MP ALPHA2	X	-.105	4
16	MP ALPHA2	X	-.105	0
17	MP BETA2	Y	-.06	4
18	MP BETA2	Y	-.06	0
19	MP BETA2	X	-.105	4
20	MP BETA2	X	-.105	0
21	MP GAMMA2	Y	-.087	4
22	MP GAMMA2	Y	-.087	0
23	MP GAMMA2	X	-.151	4
24	MP GAMMA2	X	-.151	0
25	MP ALPHA4	Y	-.034	3
26	MP ALPHA4	Y	-.034	1
27	MP ALPHA4	X	-.059	3
28	MP ALPHA4	X	-.059	1
29	MP BETA4	Y	-.034	3
30	MP BETA4	Y	-.034	1
31	MP BETA4	X	-.059	3
32	MP BETA4	X	-.059	1
33	MP GAMMA4	Y	-.063	3
34	MP GAMMA4	Y	-.063	1
35	MP GAMMA4	X	-.109	3
36	MP GAMMA4	X	-.109	1
37	MP ALPHA3	Y	-.092	7
38	MP ALPHA3	Y	-.092	1
39	MP ALPHA3	X	-.159	7
40	MP ALPHA3	X	-.159	1
41	MP BETA3	Y	-.092	7
42	MP BETA3	Y	-.092	1
43	MP BETA3	X	-.159	7
44	MP BETA3	X	-.159	1
45	MP GAMMA3	Y	-.175	7
46	MP GAMMA3	Y	-.175	1
47	MP GAMMA3	X	-.304	7
48	MP GAMMA3	X	-.304	1
49	MP ALPHA3	Y	-.036	4
50	MP ALPHA3	X	-.063	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
51	MP BETA3	Y	-.036	4
52	MP BETA3	X	-.063	4
53	MP GAMMA3	Y	-.042	4
54	MP GAMMA3	X	-.073	4
55	MP ALPHA3	Y	-.039	4
56	MP ALPHA3	X	-.067	4
57	MP BETA3	Y	-.039	4
58	MP BETA3	X	-.067	4
59	MP GAMMA3	Y	-.046	4
60	MP GAMMA3	X	-.08	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.06	4
2	MP ALPHA1	X	-.06	0
3	MP BETA1	X	-.084	4
4	MP BETA1	X	-.084	0
5	MP GAMMA1	X	-.084	4
6	MP GAMMA1	X	-.084	0
7	MP ALPHA2	X	-.103	4
8	MP ALPHA2	X	-.103	0
9	MP BETA2	X	-.157	4
10	MP BETA2	X	-.157	0
11	MP GAMMA2	X	-.157	4
12	MP GAMMA2	X	-.157	0
13	MP ALPHA4	X	-.049	3
14	MP ALPHA4	X	-.049	1
15	MP BETA4	X	-.107	3
16	MP BETA4	X	-.107	1
17	MP GAMMA4	X	-.107	3
18	MP GAMMA4	X	-.107	1
19	MP ALPHA3	X	-.127	7
20	MP ALPHA3	X	-.127	1
21	MP BETA3	X	-.295	7
22	MP BETA3	X	-.295	1
23	MP GAMMA3	X	-.295	7
24	MP GAMMA3	X	-.295	1
25	MP ALPHA3	X	-.068	4
26	MP BETA3	X	-.081	4
27	MP GAMMA3	X	-.081	4
28	MP ALPHA3	X	-.073	4
29	MP BETA3	X	-.087	4
30	MP GAMMA3	X	-.087	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.034	4
2	MP ALPHA1	Y	.034	0
3	MP ALPHA1	X	-.059	4
4	MP ALPHA1	X	-.059	0
5	MP BETA1	Y	.046	4
6	MP BETA1	Y	.046	0
7	MP BETA1	X	-.08	4
8	MP BETA1	X	-.08	0
9	MP GAMMA1	Y	.034	4
10	MP GAMMA1	Y	.034	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP GAMMA1	X	-.059	4
12	MP GAMMA1	X	-.059	0
13	MP ALPHA2	Y	.06	4
14	MP ALPHA2	Y	.06	0
15	MP ALPHA2	X	-.105	4
16	MP ALPHA2	X	-.105	0
17	MP BETA2	Y	.087	4
18	MP BETA2	Y	.087	0
19	MP BETA2	X	-.151	4
20	MP BETA2	X	-.151	0
21	MP GAMMA2	Y	.06	4
22	MP GAMMA2	Y	.06	0
23	MP GAMMA2	X	-.105	4
24	MP GAMMA2	X	-.105	0
25	MP ALPHA4	Y	.034	3
26	MP ALPHA4	Y	.034	1
27	MP ALPHA4	X	-.059	3
28	MP ALPHA4	X	-.059	1
29	MP BETA4	Y	.063	3
30	MP BETA4	Y	.063	1
31	MP BETA4	X	-.109	3
32	MP BETA4	X	-.109	1
33	MP GAMMA4	Y	.034	3
34	MP GAMMA4	Y	.034	1
35	MP GAMMA4	X	-.059	3
36	MP GAMMA4	X	-.059	1
37	MP ALPHA3	Y	.092	7
38	MP ALPHA3	Y	.092	1
39	MP ALPHA3	X	-.159	7
40	MP ALPHA3	X	-.159	1
41	MP BETA3	Y	.175	7
42	MP BETA3	Y	.175	1
43	MP BETA3	X	-.304	7
44	MP BETA3	X	-.304	1
45	MP GAMMA3	Y	.092	7
46	MP GAMMA3	Y	.092	1
47	MP GAMMA3	X	-.159	7
48	MP GAMMA3	X	-.159	1
49	MP ALPHA3	Y	.036	4
50	MP ALPHA3	X	-.063	4
51	MP BETA3	Y	.042	4
52	MP BETA3	X	-.073	4
53	MP GAMMA3	Y	.036	4
54	MP GAMMA3	X	-.063	4
55	MP ALPHA3	Y	.039	4
56	MP ALPHA3	X	-.067	4
57	MP BETA3	Y	.046	4
58	MP BETA3	X	-.08	4
59	MP GAMMA3	Y	.039	4
60	MP GAMMA3	X	-.067	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.073	4
2	MP ALPHA1	Y	.073	0
3	MP ALPHA1	X	-.042	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP ALPHA1	X	-.042	0
5	MP BETA1	Y	.073	4
6	MP BETA1	Y	.073	0
7	MP BETA1	X	-.042	4
8	MP BETA1	X	-.042	0
9	MP GAMMA1	Y	.052	4
10	MP GAMMA1	Y	.052	0
11	MP GAMMA1	X	-.03	4
12	MP GAMMA1	X	-.03	0
13	MP ALPHA2	Y	.136	4
14	MP ALPHA2	Y	.136	0
15	MP ALPHA2	X	-.078	4
16	MP ALPHA2	X	-.078	0
17	MP BETA2	Y	.136	4
18	MP BETA2	Y	.136	0
19	MP BETA2	X	-.078	4
20	MP BETA2	X	-.078	0
21	MP GAMMA2	Y	.089	4
22	MP GAMMA2	Y	.089	0
23	MP GAMMA2	X	-.051	4
24	MP GAMMA2	X	-.051	0
25	MP ALPHA4	Y	.093	3
26	MP ALPHA4	Y	.093	1
27	MP ALPHA4	X	-.053	3
28	MP ALPHA4	X	-.053	1
29	MP BETA4	Y	.093	3
30	MP BETA4	Y	.093	1
31	MP BETA4	X	-.053	3
32	MP BETA4	X	-.053	1
33	MP GAMMA4	Y	.042	3
34	MP GAMMA4	Y	.042	1
35	MP GAMMA4	X	-.025	3
36	MP GAMMA4	X	-.025	1
37	MP ALPHA3	Y	.255	7
38	MP ALPHA3	Y	.255	1
39	MP ALPHA3	X	-.147	7
40	MP ALPHA3	X	-.147	1
41	MP BETA3	Y	.255	7
42	MP BETA3	Y	.255	1
43	MP BETA3	X	-.147	7
44	MP BETA3	X	-.147	1
45	MP GAMMA3	Y	.11	7
46	MP GAMMA3	Y	.11	1
47	MP GAMMA3	X	-.064	7
48	MP GAMMA3	X	-.064	1
49	MP ALPHA3	Y	.07	4
50	MP ALPHA3	X	-.04	4
51	MP BETA3	Y	.07	4
52	MP BETA3	X	-.04	4
53	MP GAMMA3	Y	.059	4
54	MP GAMMA3	X	-.034	4
55	MP ALPHA3	Y	.076	4
56	MP ALPHA3	X	-.044	4
57	MP BETA3	Y	.076	4
58	MP BETA3	X	-.044	4
59	MP GAMMA3	Y	.063	4
60	MP GAMMA3	X	-.036	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.092	4
2	MP ALPHA1	Y	.092	0
3	MP BETA1	Y	.068	4
4	MP BETA1	Y	.068	0
5	MP GAMMA1	Y	.068	4
6	MP GAMMA1	Y	.068	0
7	MP ALPHA2	Y	.175	4
8	MP ALPHA2	Y	.175	0
9	MP BETA2	Y	.121	4
10	MP BETA2	Y	.121	0
11	MP GAMMA2	Y	.121	4
12	MP GAMMA2	Y	.121	0
13	MP ALPHA4	Y	.126	3
14	MP ALPHA4	Y	.126	1
15	MP BETA4	Y	.068	3
16	MP BETA4	Y	.068	1
17	MP GAMMA4	Y	.068	3
18	MP GAMMA4	Y	.068	1
19	MP ALPHA3	Y	.351	7
20	MP ALPHA3	Y	.351	1
21	MP BETA3	Y	.183	7
22	MP BETA3	Y	.183	1
23	MP GAMMA3	Y	.183	7
24	MP GAMMA3	Y	.183	1
25	MP ALPHA3	Y	.085	4
26	MP BETA3	Y	.072	4
27	MP GAMMA3	Y	.072	4
28	MP ALPHA3	Y	.092	4
29	MP BETA3	Y	.077	4
30	MP GAMMA3	Y	.077	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.073	4
2	MP ALPHA1	Y	.073	0
3	MP ALPHA1	X	.042	4
4	MP ALPHA1	X	.042	0
5	MP BETA1	Y	.052	4
6	MP BETA1	Y	.052	0
7	MP BETA1	X	.03	4
8	MP BETA1	X	.03	0
9	MP GAMMA1	Y	.073	4
10	MP GAMMA1	Y	.073	0
11	MP GAMMA1	X	.042	4
12	MP GAMMA1	X	.042	0
13	MP ALPHA2	Y	.136	4
14	MP ALPHA2	Y	.136	0
15	MP ALPHA2	X	.078	4
16	MP ALPHA2	X	.078	0
17	MP BETA2	Y	.089	4
18	MP BETA2	Y	.089	0
19	MP BETA2	X	.051	4
20	MP BETA2	X	.051	0
21	MP GAMMA2	Y	.136	4
22	MP GAMMA2	Y	.136	0
23	MP GAMMA2	X	.078	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP GAMMA2	X	.078	0
25	MP ALPHA4	Y	.093	3
26	MP ALPHA4	Y	.093	1
27	MP ALPHA4	X	.053	3
28	MP ALPHA4	X	.053	1
29	MP BETA4	Y	.042	3
30	MP BETA4	Y	.042	1
31	MP BETA4	X	.025	3
32	MP BETA4	X	.025	1
33	MP GAMMA4	Y	.093	3
34	MP GAMMA4	Y	.093	1
35	MP GAMMA4	X	.053	3
36	MP GAMMA4	X	.053	1
37	MP ALPHA3	Y	.255	7
38	MP ALPHA3	Y	.255	1
39	MP ALPHA3	X	.147	7
40	MP ALPHA3	X	.147	1
41	MP BETA3	Y	.11	7
42	MP BETA3	Y	.11	1
43	MP BETA3	X	.064	7
44	MP BETA3	X	.064	1
45	MP GAMMA3	Y	.255	7
46	MP GAMMA3	Y	.255	1
47	MP GAMMA3	X	.147	7
48	MP GAMMA3	X	.147	1
49	MP ALPHA3	Y	.07	4
50	MP ALPHA3	X	.04	4
51	MP BETA3	Y	.059	4
52	MP BETA3	X	.034	4
53	MP GAMMA3	Y	.07	4
54	MP GAMMA3	X	.04	4
55	MP ALPHA3	Y	.076	4
56	MP ALPHA3	X	.044	4
57	MP BETA3	Y	.063	4
58	MP BETA3	X	.036	4
59	MP GAMMA3	Y	.076	4
60	MP GAMMA3	X	.044	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.034	4
2	MP ALPHA1	Y	.034	0
3	MP ALPHA1	X	.059	4
4	MP ALPHA1	X	.059	0
5	MP BETA1	Y	.034	4
6	MP BETA1	Y	.034	0
7	MP BETA1	X	.059	4
8	MP BETA1	X	.059	0
9	MP GAMMA1	Y	.046	4
10	MP GAMMA1	Y	.046	0
11	MP GAMMA1	X	.08	4
12	MP GAMMA1	X	.08	0
13	MP ALPHA2	Y	.06	4
14	MP ALPHA2	Y	.06	0
15	MP ALPHA2	X	.105	4
16	MP ALPHA2	X	.105	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP BETA2	Y	.06	4
18	MP BETA2	Y	.06	0
19	MP BETA2	X	.105	4
20	MP BETA2	X	.105	0
21	MP GAMMA2	Y	.087	4
22	MP GAMMA2	Y	.087	0
23	MP GAMMA2	X	.151	4
24	MP GAMMA2	X	.151	0
25	MP ALPHA4	Y	.034	3
26	MP ALPHA4	Y	.034	1
27	MP ALPHA4	X	.059	3
28	MP ALPHA4	X	.059	1
29	MP BETA4	Y	.034	3
30	MP BETA4	Y	.034	1
31	MP BETA4	X	.059	3
32	MP BETA4	X	.059	1
33	MP GAMMA4	Y	.063	3
34	MP GAMMA4	Y	.063	1
35	MP GAMMA4	X	.109	3
36	MP GAMMA4	X	.109	1
37	MP ALPHA3	Y	.092	7
38	MP ALPHA3	Y	.092	1
39	MP ALPHA3	X	.159	7
40	MP ALPHA3	X	.159	1
41	MP BETA3	Y	.092	7
42	MP BETA3	Y	.092	1
43	MP BETA3	X	.159	7
44	MP BETA3	X	.159	1
45	MP GAMMA3	Y	.175	7
46	MP GAMMA3	Y	.175	1
47	MP GAMMA3	X	.304	7
48	MP GAMMA3	X	.304	1
49	MP ALPHA3	Y	.036	4
50	MP ALPHA3	X	.063	4
51	MP BETA3	Y	.036	4
52	MP BETA3	X	.063	4
53	MP GAMMA3	Y	.042	4
54	MP GAMMA3	X	.073	4
55	MP ALPHA3	Y	.039	4
56	MP ALPHA3	X	.067	4
57	MP BETA3	Y	.039	4
58	MP BETA3	X	.067	4
59	MP GAMMA3	Y	.046	4
60	MP GAMMA3	X	.08	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.06	4
2	MP ALPHA1	X	.06	0
3	MP BETA1	X	.084	4
4	MP BETA1	X	.084	0
5	MP GAMMA1	X	.084	4
6	MP GAMMA1	X	.084	0
7	MP ALPHA2	X	.103	4
8	MP ALPHA2	X	.103	0
9	MP BETA2	X	.157	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP BETA2	X	.157	0
11	MP GAMMA2	X	.157	4
12	MP GAMMA2	X	.157	0
13	MP ALPHA4	X	.049	3
14	MP ALPHA4	X	.049	1
15	MP BETA4	X	.107	3
16	MP BETA4	X	.107	1
17	MP GAMMA4	X	.107	3
18	MP GAMMA4	X	.107	1
19	MP ALPHA3	X	.127	7
20	MP ALPHA3	X	.127	1
21	MP BETA3	X	.295	7
22	MP BETA3	X	.295	1
23	MP GAMMA3	X	.295	7
24	MP GAMMA3	X	.295	1
25	MP ALPHA3	X	.068	4
26	MP BETA3	X	.081	4
27	MP GAMMA3	X	.081	4
28	MP ALPHA3	X	.073	4
29	MP BETA3	X	.087	4
30	MP GAMMA3	X	.087	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.034	4
2	MP ALPHA1	Y	-.034	0
3	MP ALPHA1	X	.059	4
4	MP ALPHA1	X	.059	0
5	MP BETA1	Y	-.046	4
6	MP BETA1	Y	-.046	0
7	MP BETA1	X	.08	4
8	MP BETA1	X	.08	0
9	MP GAMMA1	Y	-.034	4
10	MP GAMMA1	Y	-.034	0
11	MP GAMMA1	X	.059	4
12	MP GAMMA1	X	.059	0
13	MP ALPHA2	Y	-.06	4
14	MP ALPHA2	Y	-.06	0
15	MP ALPHA2	X	.105	4
16	MP ALPHA2	X	.105	0
17	MP BETA2	Y	-.087	4
18	MP BETA2	Y	-.087	0
19	MP BETA2	X	.151	4
20	MP BETA2	X	.151	0
21	MP GAMMA2	Y	-.06	4
22	MP GAMMA2	Y	-.06	0
23	MP GAMMA2	X	.105	4
24	MP GAMMA2	X	.105	0
25	MP ALPHA4	Y	-.034	3
26	MP ALPHA4	Y	-.034	1
27	MP ALPHA4	X	.059	3
28	MP ALPHA4	X	.059	1
29	MP BETA4	Y	-.063	3
30	MP BETA4	Y	-.063	1
31	MP BETA4	X	.109	3
32	MP BETA4	X	.109	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
33	MP GAMMA4	Y	-.034	3
34	MP GAMMA4	Y	-.034	1
35	MP GAMMA4	X	.059	3
36	MP GAMMA4	X	.059	1
37	MP ALPHA3	Y	-.092	7
38	MP ALPHA3	Y	-.092	1
39	MP ALPHA3	X	.159	7
40	MP ALPHA3	X	.159	1
41	MP BETA3	Y	-.175	7
42	MP BETA3	Y	-.175	1
43	MP BETA3	X	.304	7
44	MP BETA3	X	.304	1
45	MP GAMMA3	Y	-.092	7
46	MP GAMMA3	Y	-.092	1
47	MP GAMMA3	X	.159	7
48	MP GAMMA3	X	.159	1
49	MP ALPHA3	Y	-.036	4
50	MP ALPHA3	X	.063	4
51	MP BETA3	Y	-.042	4
52	MP BETA3	X	.073	4
53	MP GAMMA3	Y	-.036	4
54	MP GAMMA3	X	.063	4
55	MP ALPHA3	Y	-.039	4
56	MP ALPHA3	X	.067	4
57	MP BETA3	Y	-.046	4
58	MP BETA3	X	.08	4
59	MP GAMMA3	Y	-.039	4
60	MP GAMMA3	X	.067	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.073	4
2	MP ALPHA1	Y	-.073	0
3	MP ALPHA1	X	.042	4
4	MP ALPHA1	X	.042	0
5	MP BETA1	Y	-.073	4
6	MP BETA1	Y	-.073	0
7	MP BETA1	X	.042	4
8	MP BETA1	X	.042	0
9	MP GAMMA1	Y	-.052	4
10	MP GAMMA1	Y	-.052	0
11	MP GAMMA1	X	.03	4
12	MP GAMMA1	X	.03	0
13	MP ALPHA2	Y	-.136	4
14	MP ALPHA2	Y	-.136	0
15	MP ALPHA2	X	.078	4
16	MP ALPHA2	X	.078	0
17	MP BETA2	Y	-.136	4
18	MP BETA2	Y	-.136	0
19	MP BETA2	X	.078	4
20	MP BETA2	X	.078	0
21	MP GAMMA2	Y	-.089	4
22	MP GAMMA2	Y	-.089	0
23	MP GAMMA2	X	.051	4
24	MP GAMMA2	X	.051	0
25	MP ALPHA4	Y	-.093	3

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
26	MP ALPHA4	Y	-.093	1
27	MP ALPHA4	X	.053	3
28	MP ALPHA4	X	.053	1
29	MP BETA4	Y	-.093	3
30	MP BETA4	Y	-.093	1
31	MP BETA4	X	.053	3
32	MP BETA4	X	.053	1
33	MP GAMMA4	Y	-.042	3
34	MP GAMMA4	Y	-.042	1
35	MP GAMMA4	X	.025	3
36	MP GAMMA4	X	.025	1
37	MP ALPHA3	Y	-.255	7
38	MP ALPHA3	Y	-.255	1
39	MP ALPHA3	X	.147	7
40	MP ALPHA3	X	.147	1
41	MP BETA3	Y	-.255	7
42	MP BETA3	Y	-.255	1
43	MP BETA3	X	.147	7
44	MP BETA3	X	.147	1
45	MP GAMMA3	Y	-.11	7
46	MP GAMMA3	Y	-.11	1
47	MP GAMMA3	X	.064	7
48	MP GAMMA3	X	.064	1
49	MP ALPHA3	Y	-.07	4
50	MP ALPHA3	X	.04	4
51	MP BETA3	Y	-.07	4
52	MP BETA3	X	.04	4
53	MP GAMMA3	Y	-.059	4
54	MP GAMMA3	X	.034	4
55	MP ALPHA3	Y	-.076	4
56	MP ALPHA3	X	.044	4
57	MP BETA3	Y	-.076	4
58	MP BETA3	X	.044	4
59	MP GAMMA3	Y	-.063	4
60	MP GAMMA3	X	.036	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.006	4
2	MP ALPHA1	Y	-.006	0
3	MP BETA1	Y	-.004	4
4	MP BETA1	Y	-.004	0
5	MP GAMMA1	Y	-.004	4
6	MP GAMMA1	Y	-.004	0
7	MP ALPHA2	Y	-.011	4
8	MP ALPHA2	Y	-.011	0
9	MP BETA2	Y	-.008	4
10	MP BETA2	Y	-.008	0
11	MP GAMMA2	Y	-.008	4
12	MP GAMMA2	Y	-.008	0
13	MP ALPHA4	Y	-.008	3
14	MP ALPHA4	Y	-.008	1
15	MP BETA4	Y	-.004	3
16	MP BETA4	Y	-.004	1
17	MP GAMMA4	Y	-.004	3
18	MP GAMMA4	Y	-.004	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
19	MP ALPHA3	Y	-.023	7
20	MP ALPHA3	Y	-.023	1
21	MP BETA3	Y	-.012	7
22	MP BETA3	Y	-.012	1
23	MP GAMMA3	Y	-.012	7
24	MP GAMMA3	Y	-.012	1
25	MP ALPHA3	Y	-.005	4
26	MP BETA3	Y	-.005	4
27	MP GAMMA3	Y	-.005	4
28	MP ALPHA3	Y	-.006	4
29	MP BETA3	Y	-.005	4
30	MP GAMMA3	Y	-.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.005	4
2	MP ALPHA1	Y	-.005	0
3	MP ALPHA1	X	-.003	4
4	MP ALPHA1	X	-.003	0
5	MP BETA1	Y	-.003	4
6	MP BETA1	Y	-.003	0
7	MP BETA1	X	-.002	4
8	MP BETA1	X	-.002	0
9	MP GAMMA1	Y	-.005	4
10	MP GAMMA1	Y	-.005	0
11	MP GAMMA1	X	-.003	4
12	MP GAMMA1	X	-.003	0
13	MP ALPHA2	Y	-.009	4
14	MP ALPHA2	Y	-.009	0
15	MP ALPHA2	X	-.005	4
16	MP ALPHA2	X	-.005	0
17	MP BETA2	Y	-.006	4
18	MP BETA2	Y	-.006	0
19	MP BETA2	X	-.003	4
20	MP BETA2	X	-.003	0
21	MP GAMMA2	Y	-.009	4
22	MP GAMMA2	Y	-.009	0
23	MP GAMMA2	X	-.005	4
24	MP GAMMA2	X	-.005	0
25	MP ALPHA4	Y	-.006	3
26	MP ALPHA4	Y	-.006	1
27	MP ALPHA4	X	-.003	3
28	MP ALPHA4	X	-.003	1
29	MP BETA4	Y	-.003	3
30	MP BETA4	Y	-.003	1
31	MP BETA4	X	-.002	3
32	MP BETA4	X	-.002	1
33	MP GAMMA4	Y	-.006	3
34	MP GAMMA4	Y	-.006	1
35	MP GAMMA4	X	-.003	3
36	MP GAMMA4	X	-.003	1
37	MP ALPHA3	Y	-.017	7
38	MP ALPHA3	Y	-.017	1
39	MP ALPHA3	X	-.01	7
40	MP ALPHA3	X	-.01	1
41	MP BETA3	Y	-.007	7

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
42	MP BETA3	Y	-.007	1
43	MP BETA3	X	-.004	7
44	MP BETA3	X	-.004	1
45	MP GAMMA3	Y	-.017	7
46	MP GAMMA3	Y	-.017	1
47	MP GAMMA3	X	-.01	7
48	MP GAMMA3	X	-.01	1
49	MP ALPHA3	Y	-.005	4
50	MP ALPHA3	X	-.003	4
51	MP BETA3	Y	-.004	4
52	MP BETA3	X	-.002	4
53	MP GAMMA3	Y	-.005	4
54	MP GAMMA3	X	-.003	4
55	MP ALPHA3	Y	-.005	4
56	MP ALPHA3	X	-.003	4
57	MP BETA3	Y	-.004	4
58	MP BETA3	X	-.002	4
59	MP GAMMA3	Y	-.005	4
60	MP GAMMA3	X	-.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.002	4
2	MP ALPHA1	Y	-.002	0
3	MP ALPHA1	X	-.004	4
4	MP ALPHA1	X	-.004	0
5	MP BETA1	Y	-.002	4
6	MP BETA1	Y	-.002	0
7	MP BETA1	X	-.004	4
8	MP BETA1	X	-.004	0
9	MP GAMMA1	Y	-.003	4
10	MP GAMMA1	Y	-.003	0
11	MP GAMMA1	X	-.005	4
12	MP GAMMA1	X	-.005	0
13	MP ALPHA2	Y	-.004	4
14	MP ALPHA2	Y	-.004	0
15	MP ALPHA2	X	-.007	4
16	MP ALPHA2	X	-.007	0
17	MP BETA2	Y	-.004	4
18	MP BETA2	Y	-.004	0
19	MP BETA2	X	-.007	4
20	MP BETA2	X	-.007	0
21	MP GAMMA2	Y	-.006	4
22	MP GAMMA2	Y	-.006	0
23	MP GAMMA2	X	-.01	4
24	MP GAMMA2	X	-.01	0
25	MP ALPHA4	Y	-.002	3
26	MP ALPHA4	Y	-.002	1
27	MP ALPHA4	X	-.004	3
28	MP ALPHA4	X	-.004	1
29	MP BETA4	Y	-.002	3
30	MP BETA4	Y	-.002	1
31	MP BETA4	X	-.004	3
32	MP BETA4	X	-.004	1
33	MP GAMMA4	Y	-.004	3
34	MP GAMMA4	Y	-.004	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
35	MP GAMMA4	X	-.007	3
36	MP GAMMA4	X	-.007	1
37	MP ALPHA3	Y	-.006	7
38	MP ALPHA3	Y	-.006	1
39	MP ALPHA3	X	-.01	7
40	MP ALPHA3	X	-.01	1
41	MP BETA3	Y	-.006	7
42	MP BETA3	Y	-.006	1
43	MP BETA3	X	-.01	7
44	MP BETA3	X	-.01	1
45	MP GAMMA3	Y	-.011	7
46	MP GAMMA3	Y	-.011	1
47	MP GAMMA3	X	-.02	7
48	MP GAMMA3	X	-.02	1
49	MP ALPHA3	Y	-.002	4
50	MP ALPHA3	X	-.004	4
51	MP BETA3	Y	-.002	4
52	MP BETA3	X	-.004	4
53	MP GAMMA3	Y	-.003	4
54	MP GAMMA3	X	-.005	4
55	MP ALPHA3	Y	-.003	4
56	MP ALPHA3	X	-.004	4
57	MP BETA3	Y	-.003	4
58	MP BETA3	X	-.004	4
59	MP GAMMA3	Y	-.003	4
60	MP GAMMA3	X	-.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.004	4
2	MP ALPHA1	X	-.004	0
3	MP BETA1	X	-.005	4
4	MP BETA1	X	-.005	0
5	MP GAMMA1	X	-.005	4
6	MP GAMMA1	X	-.005	0
7	MP ALPHA2	X	-.007	4
8	MP ALPHA2	X	-.007	0
9	MP BETA2	X	-.01	4
10	MP BETA2	X	-.01	0
11	MP GAMMA2	X	-.01	4
12	MP GAMMA2	X	-.01	0
13	MP ALPHA4	X	-.003	3
14	MP ALPHA4	X	-.003	1
15	MP BETA4	X	-.007	3
16	MP BETA4	X	-.007	1
17	MP GAMMA4	X	-.007	3
18	MP GAMMA4	X	-.007	1
19	MP ALPHA3	X	-.008	7
20	MP ALPHA3	X	-.008	1
21	MP BETA3	X	-.019	7
22	MP BETA3	X	-.019	1
23	MP GAMMA3	X	-.019	7
24	MP GAMMA3	X	-.019	1
25	MP ALPHA3	X	-.004	4
26	MP BETA3	X	-.005	4
27	MP GAMMA3	X	-.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
28	MP ALPHA3	X	-.005	4
29	MP BETA3	X	-.006	4
30	MP GAMMA3	X	-.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.002	4
2	MP ALPHA1	Y	.002	0
3	MP ALPHA1	X	-.004	4
4	MP ALPHA1	X	-.004	0
5	MP BETA1	Y	.003	4
6	MP BETA1	Y	.003	0
7	MP BETA1	X	-.005	4
8	MP BETA1	X	-.005	0
9	MP GAMMA1	Y	.002	4
10	MP GAMMA1	Y	.002	0
11	MP GAMMA1	X	-.004	4
12	MP GAMMA1	X	-.004	0
13	MP ALPHA2	Y	.004	4
14	MP ALPHA2	Y	.004	0
15	MP ALPHA2	X	-.007	4
16	MP ALPHA2	X	-.007	0
17	MP BETA2	Y	.006	4
18	MP BETA2	Y	.006	0
19	MP BETA2	X	-.01	4
20	MP BETA2	X	-.01	0
21	MP GAMMA2	Y	.004	4
22	MP GAMMA2	Y	.004	0
23	MP GAMMA2	X	-.007	4
24	MP GAMMA2	X	-.007	0
25	MP ALPHA4	Y	.002	3
26	MP ALPHA4	Y	.002	1
27	MP ALPHA4	X	-.004	3
28	MP ALPHA4	X	-.004	1
29	MP BETA4	Y	.004	3
30	MP BETA4	Y	.004	1
31	MP BETA4	X	-.007	3
32	MP BETA4	X	-.007	1
33	MP GAMMA4	Y	.002	3
34	MP GAMMA4	Y	.002	1
35	MP GAMMA4	X	-.004	3
36	MP GAMMA4	X	-.004	1
37	MP ALPHA3	Y	.006	7
38	MP ALPHA3	Y	.006	1
39	MP ALPHA3	X	-.01	7
40	MP ALPHA3	X	-.01	1
41	MP BETA3	Y	.011	7
42	MP BETA3	Y	.011	1
43	MP BETA3	X	-.02	7
44	MP BETA3	X	-.02	1
45	MP GAMMA3	Y	.006	7
46	MP GAMMA3	Y	.006	1
47	MP GAMMA3	X	-.01	7
48	MP GAMMA3	X	-.01	1
49	MP ALPHA3	Y	.002	4
50	MP ALPHA3	X	-.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
51	MP BETA3	Y	.003	4
52	MP BETA3	X	-.005	4
53	MP GAMMA3	Y	.002	4
54	MP GAMMA3	X	-.004	4
55	MP ALPHA3	Y	.003	4
56	MP ALPHA3	X	-.004	4
57	MP BETA3	Y	.003	4
58	MP BETA3	X	-.005	4
59	MP GAMMA3	Y	.003	4
60	MP GAMMA3	X	-.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.005	4
2	MP ALPHA1	Y	.005	0
3	MP ALPHA1	X	-.003	4
4	MP ALPHA1	X	-.003	0
5	MP BETA1	Y	.005	4
6	MP BETA1	Y	.005	0
7	MP BETA1	X	-.003	4
8	MP BETA1	X	-.003	0
9	MP GAMMA1	Y	.003	4
10	MP GAMMA1	Y	.003	0
11	MP GAMMA1	X	-.002	4
12	MP GAMMA1	X	-.002	0
13	MP ALPHA2	Y	.009	4
14	MP ALPHA2	Y	.009	0
15	MP ALPHA2	X	-.005	4
16	MP ALPHA2	X	-.005	0
17	MP BETA2	Y	.009	4
18	MP BETA2	Y	.009	0
19	MP BETA2	X	-.005	4
20	MP BETA2	X	-.005	0
21	MP GAMMA2	Y	.006	4
22	MP GAMMA2	Y	.006	0
23	MP GAMMA2	X	-.003	4
24	MP GAMMA2	X	-.003	0
25	MP ALPHA4	Y	.006	3
26	MP ALPHA4	Y	.006	1
27	MP ALPHA4	X	-.003	3
28	MP ALPHA4	X	-.003	1
29	MP BETA4	Y	.006	3
30	MP BETA4	Y	.006	1
31	MP BETA4	X	-.003	3
32	MP BETA4	X	-.003	1
33	MP GAMMA4	Y	.003	3
34	MP GAMMA4	Y	.003	1
35	MP GAMMA4	X	-.002	3
36	MP GAMMA4	X	-.002	1
37	MP ALPHA3	Y	.017	7
38	MP ALPHA3	Y	.017	1
39	MP ALPHA3	X	-.01	7
40	MP ALPHA3	X	-.01	1
41	MP BETA3	Y	.017	7
42	MP BETA3	Y	.017	1
43	MP BETA3	X	-.01	7

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
44	MP BETA3	X	-.01	1
45	MP GAMMA3	Y	.007	7
46	MP GAMMA3	Y	.007	1
47	MP GAMMA3	X	-.004	7
48	MP GAMMA3	X	-.004	1
49	MP ALPHA3	Y	.005	4
50	MP ALPHA3	X	-.003	4
51	MP BETA3	Y	.005	4
52	MP BETA3	X	-.003	4
53	MP GAMMA3	Y	.004	4
54	MP GAMMA3	X	-.002	4
55	MP ALPHA3	Y	.005	4
56	MP ALPHA3	X	-.003	4
57	MP BETA3	Y	.005	4
58	MP BETA3	X	-.003	4
59	MP GAMMA3	Y	.004	4
60	MP GAMMA3	X	-.002	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.006	4
2	MP ALPHA1	Y	.006	0
3	MP BETA1	Y	.004	4
4	MP BETA1	Y	.004	0
5	MP GAMMA1	Y	.004	4
6	MP GAMMA1	Y	.004	0
7	MP ALPHA2	Y	.011	4
8	MP ALPHA2	Y	.011	0
9	MP BETA2	Y	.008	4
10	MP BETA2	Y	.008	0
11	MP GAMMA2	Y	.008	4
12	MP GAMMA2	Y	.008	0
13	MP ALPHA4	Y	.008	3
14	MP ALPHA4	Y	.008	1
15	MP BETA4	Y	.004	3
16	MP BETA4	Y	.004	1
17	MP GAMMA4	Y	.004	3
18	MP GAMMA4	Y	.004	1
19	MP ALPHA3	Y	.023	7
20	MP ALPHA3	Y	.023	1
21	MP BETA3	Y	.012	7
22	MP BETA3	Y	.012	1
23	MP GAMMA3	Y	.012	7
24	MP GAMMA3	Y	.012	1
25	MP ALPHA3	Y	.005	4
26	MP BETA3	Y	.005	4
27	MP GAMMA3	Y	.005	4
28	MP ALPHA3	Y	.006	4
29	MP BETA3	Y	.005	4
30	MP GAMMA3	Y	.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.005	4
2	MP ALPHA1	Y	.005	0
3	MP ALPHA1	X	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP ALPHA1	X	.003	0
5	MP BETA1	Y	.003	4
6	MP BETA1	Y	.003	0
7	MP BETA1	X	.002	4
8	MP BETA1	X	.002	0
9	MP GAMMA1	Y	.005	4
10	MP GAMMA1	Y	.005	0
11	MP GAMMA1	X	.003	4
12	MP GAMMA1	X	.003	0
13	MP ALPHA2	Y	.009	4
14	MP ALPHA2	Y	.009	0
15	MP ALPHA2	X	.005	4
16	MP ALPHA2	X	.005	0
17	MP BETA2	Y	.006	4
18	MP BETA2	Y	.006	0
19	MP BETA2	X	.003	4
20	MP BETA2	X	.003	0
21	MP GAMMA2	Y	.009	4
22	MP GAMMA2	Y	.009	0
23	MP GAMMA2	X	.005	4
24	MP GAMMA2	X	.005	0
25	MP ALPHA4	Y	.006	3
26	MP ALPHA4	Y	.006	1
27	MP ALPHA4	X	.003	3
28	MP ALPHA4	X	.003	1
29	MP BETA4	Y	.003	3
30	MP BETA4	Y	.003	1
31	MP BETA4	X	.002	3
32	MP BETA4	X	.002	1
33	MP GAMMA4	Y	.006	3
34	MP GAMMA4	Y	.006	1
35	MP GAMMA4	X	.003	3
36	MP GAMMA4	X	.003	1
37	MP ALPHA3	Y	.017	7
38	MP ALPHA3	Y	.017	1
39	MP ALPHA3	X	.01	7
40	MP ALPHA3	X	.01	1
41	MP BETA3	Y	.007	7
42	MP BETA3	Y	.007	1
43	MP BETA3	X	.004	7
44	MP BETA3	X	.004	1
45	MP GAMMA3	Y	.017	7
46	MP GAMMA3	Y	.017	1
47	MP GAMMA3	X	.01	7
48	MP GAMMA3	X	.01	1
49	MP ALPHA3	Y	.005	4
50	MP ALPHA3	X	.003	4
51	MP BETA3	Y	.004	4
52	MP BETA3	X	.002	4
53	MP GAMMA3	Y	.005	4
54	MP GAMMA3	X	.003	4
55	MP ALPHA3	Y	.005	4
56	MP ALPHA3	X	.003	4
57	MP BETA3	Y	.004	4
58	MP BETA3	X	.002	4
59	MP GAMMA3	Y	.005	4
60	MP GAMMA3	X	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.002	4
2	MP ALPHA1	Y	.002	0
3	MP ALPHA1	X	.004	4
4	MP ALPHA1	X	.004	0
5	MP BETA1	Y	.002	4
6	MP BETA1	Y	.002	0
7	MP BETA1	X	.004	4
8	MP BETA1	X	.004	0
9	MP GAMMA1	Y	.003	4
10	MP GAMMA1	Y	.003	0
11	MP GAMMA1	X	.005	4
12	MP GAMMA1	X	.005	0
13	MP ALPHA2	Y	.004	4
14	MP ALPHA2	Y	.004	0
15	MP ALPHA2	X	.007	4
16	MP ALPHA2	X	.007	0
17	MP BETA2	Y	.004	4
18	MP BETA2	Y	.004	0
19	MP BETA2	X	.007	4
20	MP BETA2	X	.007	0
21	MP GAMMA2	Y	.006	4
22	MP GAMMA2	Y	.006	0
23	MP GAMMA2	X	.01	4
24	MP GAMMA2	X	.01	0
25	MP ALPHA4	Y	.002	3
26	MP ALPHA4	Y	.002	1
27	MP ALPHA4	X	.004	3
28	MP ALPHA4	X	.004	1
29	MP BETA4	Y	.002	3
30	MP BETA4	Y	.002	1
31	MP BETA4	X	.004	3
32	MP BETA4	X	.004	1
33	MP GAMMA4	Y	.004	3
34	MP GAMMA4	Y	.004	1
35	MP GAMMA4	X	.007	3
36	MP GAMMA4	X	.007	1
37	MP ALPHA3	Y	.006	7
38	MP ALPHA3	Y	.006	1
39	MP ALPHA3	X	.01	7
40	MP ALPHA3	X	.01	1
41	MP BETA3	Y	.006	7
42	MP BETA3	Y	.006	1
43	MP BETA3	X	.01	7
44	MP BETA3	X	.01	1
45	MP GAMMA3	Y	.011	7
46	MP GAMMA3	Y	.011	1
47	MP GAMMA3	X	.02	7
48	MP GAMMA3	X	.02	1
49	MP ALPHA3	Y	.002	4
50	MP ALPHA3	X	.004	4
51	MP BETA3	Y	.002	4
52	MP BETA3	X	.004	4
53	MP GAMMA3	Y	.003	4
54	MP GAMMA3	X	.005	4
55	MP ALPHA3	Y	.003	4
56	MP ALPHA3	X	.004	4
57	MP BETA3	Y	.003	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
58	MP BETA3	X	.004	4
59	MP GAMMA3	Y	.003	4
60	MP GAMMA3	X	.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.004	4
2	MP ALPHA1	X	.004	0
3	MP BETA1	X	.005	4
4	MP BETA1	X	.005	0
5	MP GAMMA1	X	.005	4
6	MP GAMMA1	X	.005	0
7	MP ALPHA2	X	.007	4
8	MP ALPHA2	X	.007	0
9	MP BETA2	X	.01	4
10	MP BETA2	X	.01	0
11	MP GAMMA2	X	.01	4
12	MP GAMMA2	X	.01	0
13	MP ALPHA4	X	.003	3
14	MP ALPHA4	X	.003	1
15	MP BETA4	X	.007	3
16	MP BETA4	X	.007	1
17	MP GAMMA4	X	.007	3
18	MP GAMMA4	X	.007	1
19	MP ALPHA3	X	.008	7
20	MP ALPHA3	X	.008	1
21	MP BETA3	X	.019	7
22	MP BETA3	X	.019	1
23	MP GAMMA3	X	.019	7
24	MP GAMMA3	X	.019	1
25	MP ALPHA3	X	.004	4
26	MP BETA3	X	.005	4
27	MP GAMMA3	X	.005	4
28	MP ALPHA3	X	.005	4
29	MP BETA3	X	.006	4
30	MP GAMMA3	X	.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.002	4
2	MP ALPHA1	Y	-.002	0
3	MP ALPHA1	X	.004	4
4	MP ALPHA1	X	.004	0
5	MP BETA1	Y	-.003	4
6	MP BETA1	Y	-.003	0
7	MP BETA1	X	.005	4
8	MP BETA1	X	.005	0
9	MP GAMMA1	Y	-.002	4
10	MP GAMMA1	Y	-.002	0
11	MP GAMMA1	X	.004	4
12	MP GAMMA1	X	.004	0
13	MP ALPHA2	Y	-.004	4
14	MP ALPHA2	Y	-.004	0
15	MP ALPHA2	X	.007	4
16	MP ALPHA2	X	.007	0
17	MP BETA2	Y	-.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
18	MP BETA2	Y	-.006	0
19	MP BETA2	X	.01	4
20	MP BETA2	X	.01	0
21	MP GAMMA2	Y	-.004	4
22	MP GAMMA2	Y	-.004	0
23	MP GAMMA2	X	.007	4
24	MP GAMMA2	X	.007	0
25	MP ALPHA4	Y	-.002	3
26	MP ALPHA4	Y	-.002	1
27	MP ALPHA4	X	.004	3
28	MP ALPHA4	X	.004	1
29	MP BETA4	Y	-.004	3
30	MP BETA4	Y	-.004	1
31	MP BETA4	X	.007	3
32	MP BETA4	X	.007	1
33	MP GAMMA4	Y	-.002	3
34	MP GAMMA4	Y	-.002	1
35	MP GAMMA4	X	.004	3
36	MP GAMMA4	X	.004	1
37	MP ALPHA3	Y	-.006	7
38	MP ALPHA3	Y	-.006	1
39	MP ALPHA3	X	.01	7
40	MP ALPHA3	X	.01	1
41	MP BETA3	Y	-.011	7
42	MP BETA3	Y	-.011	1
43	MP BETA3	X	.02	7
44	MP BETA3	X	.02	1
45	MP GAMMA3	Y	-.006	7
46	MP GAMMA3	Y	-.006	1
47	MP GAMMA3	X	.01	7
48	MP GAMMA3	X	.01	1
49	MP ALPHA3	Y	-.002	4
50	MP ALPHA3	X	.004	4
51	MP BETA3	Y	-.003	4
52	MP BETA3	X	.005	4
53	MP GAMMA3	Y	-.002	4
54	MP GAMMA3	X	.004	4
55	MP ALPHA3	Y	-.003	4
56	MP ALPHA3	X	.004	4
57	MP BETA3	Y	-.003	4
58	MP BETA3	X	.005	4
59	MP GAMMA3	Y	-.003	4
60	MP GAMMA3	X	.004	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.005	4
2	MP ALPHA1	Y	-.005	0
3	MP ALPHA1	X	.003	4
4	MP ALPHA1	X	.003	0
5	MP BETA1	Y	-.005	4
6	MP BETA1	Y	-.005	0
7	MP BETA1	X	.003	4
8	MP BETA1	X	.003	0
9	MP GAMMA1	Y	-.003	4
10	MP GAMMA1	Y	-.003	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP GAMMA1	X	.002	4
12	MP GAMMA1	X	.002	0
13	MP ALPHA2	Y	-.009	4
14	MP ALPHA2	Y	-.009	0
15	MP ALPHA2	X	.005	4
16	MP ALPHA2	X	.005	0
17	MP BETA2	Y	-.009	4
18	MP BETA2	Y	-.009	0
19	MP BETA2	X	.005	4
20	MP BETA2	X	.005	0
21	MP GAMMA2	Y	-.006	4
22	MP GAMMA2	Y	-.006	0
23	MP GAMMA2	X	.003	4
24	MP GAMMA2	X	.003	0
25	MP ALPHA4	Y	-.006	3
26	MP ALPHA4	Y	-.006	1
27	MP ALPHA4	X	.003	3
28	MP ALPHA4	X	.003	1
29	MP BETA4	Y	-.006	3
30	MP BETA4	Y	-.006	1
31	MP BETA4	X	.003	3
32	MP BETA4	X	.003	1
33	MP GAMMA4	Y	-.003	3
34	MP GAMMA4	Y	-.003	1
35	MP GAMMA4	X	.002	3
36	MP GAMMA4	X	.002	1
37	MP ALPHA3	Y	-.017	7
38	MP ALPHA3	Y	-.017	1
39	MP ALPHA3	X	.01	7
40	MP ALPHA3	X	.01	1
41	MP BETA3	Y	-.017	7
42	MP BETA3	Y	-.017	1
43	MP BETA3	X	.01	7
44	MP BETA3	X	.01	1
45	MP GAMMA3	Y	-.007	7
46	MP GAMMA3	Y	-.007	1
47	MP GAMMA3	X	.004	7
48	MP GAMMA3	X	.004	1
49	MP ALPHA3	Y	-.005	4
50	MP ALPHA3	X	.003	4
51	MP BETA3	Y	-.005	4
52	MP BETA3	X	.003	4
53	MP GAMMA3	Y	-.004	4
54	MP GAMMA3	X	.002	4
55	MP ALPHA3	Y	-.005	4
56	MP ALPHA3	X	.003	4
57	MP BETA3	Y	-.005	4
58	MP BETA3	X	.003	4
59	MP GAMMA3	Y	-.004	4
60	MP GAMMA3	X	.002	4

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.06	4
2	MP ALPHA1	Z	-.06	0
3	MP BETA1	Z	-.06	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
4	MP BETA1	Z	-.06	0
5	MP GAMMA1	Z	-.06	4
6	MP GAMMA1	Z	-.06	0
7	MP ALPHA2	Z	-.07	4
8	MP ALPHA2	Z	-.07	0
9	MP BETA2	Z	-.07	4
10	MP BETA2	Z	-.07	0
11	MP GAMMA2	Z	-.07	4
12	MP GAMMA2	Z	-.07	0
13	MP ALPHA4	Z	-.049	3
14	MP ALPHA4	Z	-.049	1
15	MP BETA4	Z	-.049	3
16	MP BETA4	Z	-.049	1
17	MP GAMMA4	Z	-.049	3
18	MP GAMMA4	Z	-.049	1
19	MP ALPHA3	Z	-.139	7
20	MP ALPHA3	Z	-.139	1
21	MP BETA3	Z	-.139	7
22	MP BETA3	Z	-.139	1
23	MP GAMMA3	Z	-.139	7
24	MP GAMMA3	Z	-.139	1
25	MP ALPHA3	Z	-.051	4
26	MP BETA3	Z	-.051	4
27	MP GAMMA3	Z	-.051	4
28	MP ALPHA3	Z	-.057	4
29	MP BETA3	Z	-.057	4
30	MP GAMMA3	Z	-.057	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.018	4
2	MP ALPHA1	Y	-.018	0
3	MP BETA1	Y	-.014	4
4	MP BETA1	Y	-.014	0
5	MP GAMMA1	Y	-.014	4
6	MP GAMMA1	Y	-.014	0
7	MP ALPHA2	Y	-.034	4
8	MP ALPHA2	Y	-.034	0
9	MP BETA2	Y	-.025	4
10	MP BETA2	Y	-.025	0
11	MP GAMMA2	Y	-.025	4
12	MP GAMMA2	Y	-.025	0
13	MP ALPHA4	Y	-.024	3
14	MP ALPHA4	Y	-.024	1
15	MP BETA4	Y	-.014	3
16	MP BETA4	Y	-.014	1
17	MP GAMMA4	Y	-.014	3
18	MP GAMMA4	Y	-.014	1
19	MP ALPHA3	Y	-.064	7
20	MP ALPHA3	Y	-.064	1
21	MP BETA3	Y	-.036	7
22	MP BETA3	Y	-.036	1
23	MP GAMMA3	Y	-.036	7
24	MP GAMMA3	Y	-.036	1
25	MP ALPHA3	Y	-.012	4
26	MP BETA3	Y	-.01	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
27	MP GAMMA3	Y	-.01	4
28	MP ALPHA3	Y	-.013	4
29	MP BETA3	Y	-.011	4
30	MP GAMMA3	Y	-.011	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.015	4
2	MP ALPHA1	Y	-.015	0
3	MP ALPHA1	X	-.009	4
4	MP ALPHA1	X	-.009	0
5	MP BETA1	Y	-.011	4
6	MP BETA1	Y	-.011	0
7	MP BETA1	X	-.006	4
8	MP BETA1	X	-.006	0
9	MP GAMMA1	Y	-.015	4
10	MP GAMMA1	Y	-.015	0
11	MP GAMMA1	X	-.009	4
12	MP GAMMA1	X	-.009	0
13	MP ALPHA2	Y	-.027	4
14	MP ALPHA2	Y	-.027	0
15	MP ALPHA2	X	-.015	4
16	MP ALPHA2	X	-.015	0
17	MP BETA2	Y	-.019	4
18	MP BETA2	Y	-.019	0
19	MP BETA2	X	-.011	4
20	MP BETA2	X	-.011	0
21	MP GAMMA2	Y	-.027	4
22	MP GAMMA2	Y	-.027	0
23	MP GAMMA2	X	-.015	4
24	MP GAMMA2	X	-.015	0
25	MP ALPHA4	Y	-.018	3
26	MP ALPHA4	Y	-.018	1
27	MP ALPHA4	X	-.011	3
28	MP ALPHA4	X	-.011	1
29	MP BETA4	Y	-.01	3
30	MP BETA4	Y	-.01	1
31	MP BETA4	X	-.006	3
32	MP BETA4	X	-.006	1
33	MP GAMMA4	Y	-.018	3
34	MP GAMMA4	Y	-.018	1
35	MP GAMMA4	X	-.011	3
36	MP GAMMA4	X	-.011	1
37	MP ALPHA3	Y	-.047	7
38	MP ALPHA3	Y	-.047	1
39	MP ALPHA3	X	-.027	7
40	MP ALPHA3	X	-.027	1
41	MP BETA3	Y	-.023	7
42	MP BETA3	Y	-.023	1
43	MP BETA3	X	-.013	7
44	MP BETA3	X	-.013	1
45	MP GAMMA3	Y	-.047	7
46	MP GAMMA3	Y	-.047	1
47	MP GAMMA3	X	-.027	7
48	MP GAMMA3	X	-.027	1
49	MP ALPHA3	Y	-.01	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
50	MP ALPHA3	X	-.006	4
51	MP BETA3	Y	-.009	4
52	MP BETA3	X	-.005	4
53	MP GAMMA3	Y	-.01	4
54	MP GAMMA3	X	-.006	4
55	MP ALPHA3	Y	-.011	4
56	MP ALPHA3	X	-.006	4
57	MP BETA3	Y	-.009	4
58	MP BETA3	X	-.005	4
59	MP GAMMA3	Y	-.011	4
60	MP GAMMA3	X	-.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.007	4
2	MP ALPHA1	Y	-.007	0
3	MP ALPHA1	X	-.012	4
4	MP ALPHA1	X	-.012	0
5	MP BETA1	Y	-.007	4
6	MP BETA1	Y	-.007	0
7	MP BETA1	X	-.012	4
8	MP BETA1	X	-.012	0
9	MP GAMMA1	Y	-.009	4
10	MP GAMMA1	Y	-.009	0
11	MP GAMMA1	X	-.016	4
12	MP GAMMA1	X	-.016	0
13	MP ALPHA2	Y	-.012	4
14	MP ALPHA2	Y	-.012	0
15	MP ALPHA2	X	-.021	4
16	MP ALPHA2	X	-.021	0
17	MP BETA2	Y	-.012	4
18	MP BETA2	Y	-.012	0
19	MP BETA2	X	-.021	4
20	MP BETA2	X	-.021	0
21	MP GAMMA2	Y	-.017	4
22	MP GAMMA2	Y	-.017	0
23	MP GAMMA2	X	-.029	4
24	MP GAMMA2	X	-.029	0
25	MP ALPHA4	Y	-.007	3
26	MP ALPHA4	Y	-.007	1
27	MP ALPHA4	X	-.012	3
28	MP ALPHA4	X	-.012	1
29	MP BETA4	Y	-.007	3
30	MP BETA4	Y	-.007	1
31	MP BETA4	X	-.012	3
32	MP BETA4	X	-.012	1
33	MP GAMMA4	Y	-.012	3
34	MP GAMMA4	Y	-.012	1
35	MP GAMMA4	X	-.021	3
36	MP GAMMA4	X	-.021	1
37	MP ALPHA3	Y	-.018	7
38	MP ALPHA3	Y	-.018	1
39	MP ALPHA3	X	-.031	7
40	MP ALPHA3	X	-.031	1
41	MP BETA3	Y	-.018	7
42	MP BETA3	Y	-.018	1

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
43	MP BETA3	X	-.031	7
44	MP BETA3	X	-.031	1
45	MP GAMMA3	Y	-.032	7
46	MP GAMMA3	Y	-.032	1
47	MP GAMMA3	X	-.055	7
48	MP GAMMA3	X	-.055	1
49	MP ALPHA3	Y	-.005	4
50	MP ALPHA3	X	-.009	4
51	MP BETA3	Y	-.005	4
52	MP BETA3	X	-.009	4
53	MP GAMMA3	Y	-.006	4
54	MP GAMMA3	X	-.01	4
55	MP ALPHA3	Y	-.005	4
56	MP ALPHA3	X	-.009	4
57	MP BETA3	Y	-.005	4
58	MP BETA3	X	-.009	4
59	MP GAMMA3	Y	-.006	4
60	MP GAMMA3	X	-.011	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.013	4
2	MP ALPHA1	X	-.013	0
3	MP BETA1	X	-.017	4
4	MP BETA1	X	-.017	0
5	MP GAMMA1	X	-.017	4
6	MP GAMMA1	X	-.017	0
7	MP ALPHA2	X	-.022	4
8	MP ALPHA2	X	-.022	0
9	MP BETA2	X	-.031	4
10	MP BETA2	X	-.031	0
11	MP GAMMA2	X	-.031	4
12	MP GAMMA2	X	-.031	0
13	MP ALPHA4	X	-.011	3
14	MP ALPHA4	X	-.011	1
15	MP BETA4	X	-.021	3
16	MP BETA4	X	-.021	1
17	MP GAMMA4	X	-.021	3
18	MP GAMMA4	X	-.021	1
19	MP ALPHA3	X	-.027	7
20	MP ALPHA3	X	-.027	1
21	MP BETA3	X	-.054	7
22	MP BETA3	X	-.054	1
23	MP GAMMA3	X	-.054	7
24	MP GAMMA3	X	-.054	1
25	MP ALPHA3	X	-.01	4
26	MP BETA3	X	-.011	4
27	MP GAMMA3	X	-.011	4
28	MP ALPHA3	X	-.01	4
29	MP BETA3	X	-.012	4
30	MP GAMMA3	X	-.012	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.007	4
2	MP ALPHA1	Y	.007	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
3	MP ALPHA1	X	-.012	4
4	MP ALPHA1	X	-.012	0
5	MP BETA1	Y	.009	4
6	MP BETA1	Y	.009	0
7	MP BETA1	X	-.016	4
8	MP BETA1	X	-.016	0
9	MP GAMMA1	Y	.007	4
10	MP GAMMA1	Y	.007	0
11	MP GAMMA1	X	-.012	4
12	MP GAMMA1	X	-.012	0
13	MP ALPHA2	Y	.012	4
14	MP ALPHA2	Y	.012	0
15	MP ALPHA2	X	-.021	4
16	MP ALPHA2	X	-.021	0
17	MP BETA2	Y	.017	4
18	MP BETA2	Y	.017	0
19	MP BETA2	X	-.029	4
20	MP BETA2	X	-.029	0
21	MP GAMMA2	Y	.012	4
22	MP GAMMA2	Y	.012	0
23	MP GAMMA2	X	-.021	4
24	MP GAMMA2	X	-.021	0
25	MP ALPHA4	Y	.007	3
26	MP ALPHA4	Y	.007	1
27	MP ALPHA4	X	-.012	3
28	MP ALPHA4	X	-.012	1
29	MP BETA4	Y	.012	3
30	MP BETA4	Y	.012	1
31	MP BETA4	X	-.021	3
32	MP BETA4	X	-.021	1
33	MP GAMMA4	Y	.007	3
34	MP GAMMA4	Y	.007	1
35	MP GAMMA4	X	-.012	3
36	MP GAMMA4	X	-.012	1
37	MP ALPHA3	Y	.018	7
38	MP ALPHA3	Y	.018	1
39	MP ALPHA3	X	-.031	7
40	MP ALPHA3	X	-.031	1
41	MP BETA3	Y	.032	7
42	MP BETA3	Y	.032	1
43	MP BETA3	X	-.055	7
44	MP BETA3	X	-.055	1
45	MP GAMMA3	Y	.018	7
46	MP GAMMA3	Y	.018	1
47	MP GAMMA3	X	-.031	7
48	MP GAMMA3	X	-.031	1
49	MP ALPHA3	Y	.005	4
50	MP ALPHA3	X	-.009	4
51	MP BETA3	Y	.006	4
52	MP BETA3	X	-.01	4
53	MP GAMMA3	Y	.005	4
54	MP GAMMA3	X	-.009	4
55	MP ALPHA3	Y	.005	4
56	MP ALPHA3	X	-.009	4
57	MP BETA3	Y	.006	4
58	MP BETA3	X	-.011	4
59	MP GAMMA3	Y	.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
60	MP GAMMA3	X	-.009	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.015	4
2	MP ALPHA1	Y	.015	0
3	MP ALPHA1	X	-.009	4
4	MP ALPHA1	X	-.009	0
5	MP BETA1	Y	.015	4
6	MP BETA1	Y	.015	0
7	MP BETA1	X	-.009	4
8	MP BETA1	X	-.009	0
9	MP GAMMA1	Y	.011	4
10	MP GAMMA1	Y	.011	0
11	MP GAMMA1	X	-.006	4
12	MP GAMMA1	X	-.006	0
13	MP ALPHA2	Y	.027	4
14	MP ALPHA2	Y	.027	0
15	MP ALPHA2	X	-.015	4
16	MP ALPHA2	X	-.015	0
17	MP BETA2	Y	.027	4
18	MP BETA2	Y	.027	0
19	MP BETA2	X	-.015	4
20	MP BETA2	X	-.015	0
21	MP GAMMA2	Y	.019	4
22	MP GAMMA2	Y	.019	0
23	MP GAMMA2	X	-.011	4
24	MP GAMMA2	X	-.011	0
25	MP ALPHA4	Y	.018	3
26	MP ALPHA4	Y	.018	1
27	MP ALPHA4	X	-.011	3
28	MP ALPHA4	X	-.011	1
29	MP BETA4	Y	.018	3
30	MP BETA4	Y	.018	1
31	MP BETA4	X	-.011	3
32	MP BETA4	X	-.011	1
33	MP GAMMA4	Y	.01	3
34	MP GAMMA4	Y	.01	1
35	MP GAMMA4	X	-.006	3
36	MP GAMMA4	X	-.006	1
37	MP ALPHA3	Y	.047	7
38	MP ALPHA3	Y	.047	1
39	MP ALPHA3	X	-.027	7
40	MP ALPHA3	X	-.027	1
41	MP BETA3	Y	.047	7
42	MP BETA3	Y	.047	1
43	MP BETA3	X	-.027	7
44	MP BETA3	X	-.027	1
45	MP GAMMA3	Y	.023	7
46	MP GAMMA3	Y	.023	1
47	MP GAMMA3	X	-.013	7
48	MP GAMMA3	X	-.013	1
49	MP ALPHA3	Y	.01	4
50	MP ALPHA3	X	-.006	4
51	MP BETA3	Y	.01	4
52	MP BETA3	X	-.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
53	MP GAMMA3	Y	.009	4
54	MP GAMMA3	X	-.005	4
55	MP ALPHA3	Y	.011	4
56	MP ALPHA3	X	-.006	4
57	MP BETA3	Y	.011	4
58	MP BETA3	X	-.006	4
59	MP GAMMA3	Y	.009	4
60	MP GAMMA3	X	-.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.018	4
2	MP ALPHA1	Y	.018	0
3	MP BETA1	Y	.014	4
4	MP BETA1	Y	.014	0
5	MP GAMMA1	Y	.014	4
6	MP GAMMA1	Y	.014	0
7	MP ALPHA2	Y	.034	4
8	MP ALPHA2	Y	.034	0
9	MP BETA2	Y	.025	4
10	MP BETA2	Y	.025	0
11	MP GAMMA2	Y	.025	4
12	MP GAMMA2	Y	.025	0
13	MP ALPHA4	Y	.024	3
14	MP ALPHA4	Y	.024	1
15	MP BETA4	Y	.014	3
16	MP BETA4	Y	.014	1
17	MP GAMMA4	Y	.014	3
18	MP GAMMA4	Y	.014	1
19	MP ALPHA3	Y	.064	7
20	MP ALPHA3	Y	.064	1
21	MP BETA3	Y	.036	7
22	MP BETA3	Y	.036	1
23	MP GAMMA3	Y	.036	7
24	MP GAMMA3	Y	.036	1
25	MP ALPHA3	Y	.012	4
26	MP BETA3	Y	.01	4
27	MP GAMMA3	Y	.01	4
28	MP ALPHA3	Y	.013	4
29	MP BETA3	Y	.011	4
30	MP GAMMA3	Y	.011	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.015	4
2	MP ALPHA1	Y	.015	0
3	MP ALPHA1	X	.009	4
4	MP ALPHA1	X	.009	0
5	MP BETA1	Y	.011	4
6	MP BETA1	Y	.011	0
7	MP BETA1	X	.006	4
8	MP BETA1	X	.006	0
9	MP GAMMA1	Y	.015	4
10	MP GAMMA1	Y	.015	0
11	MP GAMMA1	X	.009	4
12	MP GAMMA1	X	.009	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
13	MP ALPHA2	Y	.027	4
14	MP ALPHA2	Y	.027	0
15	MP ALPHA2	X	.015	4
16	MP ALPHA2	X	.015	0
17	MP BETA2	Y	.019	4
18	MP BETA2	Y	.019	0
19	MP BETA2	X	.011	4
20	MP BETA2	X	.011	0
21	MP GAMMA2	Y	.027	4
22	MP GAMMA2	Y	.027	0
23	MP GAMMA2	X	.015	4
24	MP GAMMA2	X	.015	0
25	MP ALPHA4	Y	.018	3
26	MP ALPHA4	Y	.018	1
27	MP ALPHA4	X	.011	3
28	MP ALPHA4	X	.011	1
29	MP BETA4	Y	.01	3
30	MP BETA4	Y	.01	1
31	MP BETA4	X	.006	3
32	MP BETA4	X	.006	1
33	MP GAMMA4	Y	.018	3
34	MP GAMMA4	Y	.018	1
35	MP GAMMA4	X	.011	3
36	MP GAMMA4	X	.011	1
37	MP ALPHA3	Y	.047	7
38	MP ALPHA3	Y	.047	1
39	MP ALPHA3	X	.027	7
40	MP ALPHA3	X	.027	1
41	MP BETA3	Y	.023	7
42	MP BETA3	Y	.023	1
43	MP BETA3	X	.013	7
44	MP BETA3	X	.013	1
45	MP GAMMA3	Y	.047	7
46	MP GAMMA3	Y	.047	1
47	MP GAMMA3	X	.027	7
48	MP GAMMA3	X	.027	1
49	MP ALPHA3	Y	.01	4
50	MP ALPHA3	X	.006	4
51	MP BETA3	Y	.009	4
52	MP BETA3	X	.005	4
53	MP GAMMA3	Y	.01	4
54	MP GAMMA3	X	.006	4
55	MP ALPHA3	Y	.011	4
56	MP ALPHA3	X	.006	4
57	MP BETA3	Y	.009	4
58	MP BETA3	X	.005	4
59	MP GAMMA3	Y	.011	4
60	MP GAMMA3	X	.006	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	.007	4
2	MP ALPHA1	Y	.007	0
3	MP ALPHA1	X	.012	4
4	MP ALPHA1	X	.012	0
5	MP BETA1	Y	.007	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP BETA1	Y	.007	0
7	MP BETA1	X	.012	4
8	MP BETA1	X	.012	0
9	MP GAMMA1	Y	.009	4
10	MP GAMMA1	Y	.009	0
11	MP GAMMA1	X	.016	4
12	MP GAMMA1	X	.016	0
13	MP ALPHA2	Y	.012	4
14	MP ALPHA2	Y	.012	0
15	MP ALPHA2	X	.021	4
16	MP ALPHA2	X	.021	0
17	MP BETA2	Y	.012	4
18	MP BETA2	Y	.012	0
19	MP BETA2	X	.021	4
20	MP BETA2	X	.021	0
21	MP GAMMA2	Y	.017	4
22	MP GAMMA2	Y	.017	0
23	MP GAMMA2	X	.029	4
24	MP GAMMA2	X	.029	0
25	MP ALPHA4	Y	.007	3
26	MP ALPHA4	Y	.007	1
27	MP ALPHA4	X	.012	3
28	MP ALPHA4	X	.012	1
29	MP BETA4	Y	.007	3
30	MP BETA4	Y	.007	1
31	MP BETA4	X	.012	3
32	MP BETA4	X	.012	1
33	MP GAMMA4	Y	.012	3
34	MP GAMMA4	Y	.012	1
35	MP GAMMA4	X	.021	3
36	MP GAMMA4	X	.021	1
37	MP ALPHA3	Y	.018	7
38	MP ALPHA3	Y	.018	1
39	MP ALPHA3	X	.031	7
40	MP ALPHA3	X	.031	1
41	MP BETA3	Y	.018	7
42	MP BETA3	Y	.018	1
43	MP BETA3	X	.031	7
44	MP BETA3	X	.031	1
45	MP GAMMA3	Y	.032	7
46	MP GAMMA3	Y	.032	1
47	MP GAMMA3	X	.055	7
48	MP GAMMA3	X	.055	1
49	MP ALPHA3	Y	.005	4
50	MP ALPHA3	X	.009	4
51	MP BETA3	Y	.005	4
52	MP BETA3	X	.009	4
53	MP GAMMA3	Y	.006	4
54	MP GAMMA3	X	.01	4
55	MP ALPHA3	Y	.005	4
56	MP ALPHA3	X	.009	4
57	MP BETA3	Y	.005	4
58	MP BETA3	X	.009	4
59	MP GAMMA3	Y	.006	4
60	MP GAMMA3	X	.011	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.013	4
2	MP ALPHA1	X	.013	0
3	MP BETA1	X	.017	4
4	MP BETA1	X	.017	0
5	MP GAMMA1	X	.017	4
6	MP GAMMA1	X	.017	0
7	MP ALPHA2	X	.022	4
8	MP ALPHA2	X	.022	0
9	MP BETA2	X	.031	4
10	MP BETA2	X	.031	0
11	MP GAMMA2	X	.031	4
12	MP GAMMA2	X	.031	0
13	MP ALPHA4	X	.011	3
14	MP ALPHA4	X	.011	1
15	MP BETA4	X	.021	3
16	MP BETA4	X	.021	1
17	MP GAMMA4	X	.021	3
18	MP GAMMA4	X	.021	1
19	MP ALPHA3	X	.027	7
20	MP ALPHA3	X	.027	1
21	MP BETA3	X	.054	7
22	MP BETA3	X	.054	1
23	MP GAMMA3	X	.054	7
24	MP GAMMA3	X	.054	1
25	MP ALPHA3	X	.01	4
26	MP BETA3	X	.011	4
27	MP GAMMA3	X	.011	4
28	MP ALPHA3	X	.01	4
29	MP BETA3	X	.012	4
30	MP GAMMA3	X	.012	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.007	4
2	MP ALPHA1	Y	-.007	0
3	MP ALPHA1	X	.012	4
4	MP ALPHA1	X	.012	0
5	MP BETA1	Y	-.009	4
6	MP BETA1	Y	-.009	0
7	MP BETA1	X	.016	4
8	MP BETA1	X	.016	0
9	MP GAMMA1	Y	-.007	4
10	MP GAMMA1	Y	-.007	0
11	MP GAMMA1	X	.012	4
12	MP GAMMA1	X	.012	0
13	MP ALPHA2	Y	-.012	4
14	MP ALPHA2	Y	-.012	0
15	MP ALPHA2	X	.021	4
16	MP ALPHA2	X	.021	0
17	MP BETA2	Y	-.017	4
18	MP BETA2	Y	-.017	0
19	MP BETA2	X	.029	4
20	MP BETA2	X	.029	0
21	MP GAMMA2	Y	-.012	4
22	MP GAMMA2	Y	-.012	0
23	MP GAMMA2	X	.021	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
24	MP GAMMA2	X	.021	0
25	MP ALPHA4	Y	-.007	3
26	MP ALPHA4	Y	-.007	1
27	MP ALPHA4	X	.012	3
28	MP ALPHA4	X	.012	1
29	MP BETA4	Y	-.012	3
30	MP BETA4	Y	-.012	1
31	MP BETA4	X	.021	3
32	MP BETA4	X	.021	1
33	MP GAMMA4	Y	-.007	3
34	MP GAMMA4	Y	-.007	1
35	MP GAMMA4	X	.012	3
36	MP GAMMA4	X	.012	1
37	MP ALPHA3	Y	-.018	7
38	MP ALPHA3	Y	-.018	1
39	MP ALPHA3	X	.031	7
40	MP ALPHA3	X	.031	1
41	MP BETA3	Y	-.032	7
42	MP BETA3	Y	-.032	1
43	MP BETA3	X	.055	7
44	MP BETA3	X	.055	1
45	MP GAMMA3	Y	-.018	7
46	MP GAMMA3	Y	-.018	1
47	MP GAMMA3	X	.031	7
48	MP GAMMA3	X	.031	1
49	MP ALPHA3	Y	-.005	4
50	MP ALPHA3	X	.009	4
51	MP BETA3	Y	-.006	4
52	MP BETA3	X	.01	4
53	MP GAMMA3	Y	-.005	4
54	MP GAMMA3	X	.009	4
55	MP ALPHA3	Y	-.005	4
56	MP ALPHA3	X	.009	4
57	MP BETA3	Y	-.006	4
58	MP BETA3	X	.011	4
59	MP GAMMA3	Y	-.005	4
60	MP GAMMA3	X	.009	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.015	4
2	MP ALPHA1	Y	-.015	0
3	MP ALPHA1	X	.009	4
4	MP ALPHA1	X	.009	0
5	MP BETA1	Y	-.015	4
6	MP BETA1	Y	-.015	0
7	MP BETA1	X	.009	4
8	MP BETA1	X	.009	0
9	MP GAMMA1	Y	-.011	4
10	MP GAMMA1	Y	-.011	0
11	MP GAMMA1	X	.006	4
12	MP GAMMA1	X	.006	0
13	MP ALPHA2	Y	-.027	4
14	MP ALPHA2	Y	-.027	0
15	MP ALPHA2	X	.015	4
16	MP ALPHA2	X	.015	0

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
17	MP BETA2	Y	-.027	4
18	MP BETA2	Y	-.027	0
19	MP BETA2	X	.015	4
20	MP BETA2	X	.015	0
21	MP GAMMA2	Y	-.019	4
22	MP GAMMA2	Y	-.019	0
23	MP GAMMA2	X	.011	4
24	MP GAMMA2	X	.011	0
25	MP ALPHA4	Y	-.018	3
26	MP ALPHA4	Y	-.018	1
27	MP ALPHA4	X	.011	3
28	MP ALPHA4	X	.011	1
29	MP BETA4	Y	-.018	3
30	MP BETA4	Y	-.018	1
31	MP BETA4	X	.011	3
32	MP BETA4	X	.011	1
33	MP GAMMA4	Y	-.01	3
34	MP GAMMA4	Y	-.01	1
35	MP GAMMA4	X	.006	3
36	MP GAMMA4	X	.006	1
37	MP ALPHA3	Y	-.047	7
38	MP ALPHA3	Y	-.047	1
39	MP ALPHA3	X	.027	7
40	MP ALPHA3	X	.027	1
41	MP BETA3	Y	-.047	7
42	MP BETA3	Y	-.047	1
43	MP BETA3	X	.027	7
44	MP BETA3	X	.027	1
45	MP GAMMA3	Y	-.023	7
46	MP GAMMA3	Y	-.023	1
47	MP GAMMA3	X	.013	7
48	MP GAMMA3	X	.013	1
49	MP ALPHA3	Y	-.01	4
50	MP ALPHA3	X	.006	4
51	MP BETA3	Y	-.01	4
52	MP BETA3	X	.006	4
53	MP GAMMA3	Y	-.009	4
54	MP GAMMA3	X	.005	4
55	MP ALPHA3	Y	-.011	4
56	MP ALPHA3	X	.006	4
57	MP BETA3	Y	-.011	4
58	MP BETA3	X	.006	4
59	MP GAMMA3	Y	-.009	4
60	MP GAMMA3	X	.005	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.011	4
2	MP ALPHA1	X	-.011	0
3	MP BETA1	X	-.011	4
4	MP BETA1	X	-.011	0
5	MP GAMMA1	X	-.011	4
6	MP GAMMA1	X	-.011	0
7	MP ALPHA2	X	-.015	4
8	MP ALPHA2	X	-.015	0
9	MP BETA2	X	-.015	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP BETA2	X	-.015	0
11	MP GAMMA2	X	-.015	4
12	MP GAMMA2	X	-.015	0
13	MP ALPHA4	X	-.007	3
14	MP ALPHA4	X	-.007	1
15	MP BETA4	X	-.007	3
16	MP BETA4	X	-.007	1
17	MP GAMMA4	X	-.007	3
18	MP GAMMA4	X	-.007	1
19	MP ALPHA3	X	-.01	7
20	MP ALPHA3	X	-.01	1
21	MP BETA3	X	-.01	7
22	MP BETA3	X	-.01	1
23	MP GAMMA3	X	-.01	7
24	MP GAMMA3	X	-.01	1
25	MP ALPHA3	X	-.01	4
26	MP BETA3	X	-.01	4
27	MP GAMMA3	X	-.01	4
28	MP ALPHA3	X	-.014	4
29	MP BETA3	X	-.014	4
30	MP GAMMA3	X	-.014	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.011	4
2	MP ALPHA1	Y	-.011	0
3	MP BETA1	Y	-.011	4
4	MP BETA1	Y	-.011	0
5	MP GAMMA1	Y	-.011	4
6	MP GAMMA1	Y	-.011	0
7	MP ALPHA2	Y	-.015	4
8	MP ALPHA2	Y	-.015	0
9	MP BETA2	Y	-.015	4
10	MP BETA2	Y	-.015	0
11	MP GAMMA2	Y	-.015	4
12	MP GAMMA2	Y	-.015	0
13	MP ALPHA4	Y	-.007	3
14	MP ALPHA4	Y	-.007	1
15	MP BETA4	Y	-.007	3
16	MP BETA4	Y	-.007	1
17	MP GAMMA4	Y	-.007	3
18	MP GAMMA4	Y	-.007	1
19	MP ALPHA3	Y	-.01	7
20	MP ALPHA3	Y	-.01	1
21	MP BETA3	Y	-.01	7
22	MP BETA3	Y	-.01	1
23	MP GAMMA3	Y	-.01	7
24	MP GAMMA3	Y	-.01	1
25	MP ALPHA3	Y	-.01	4
26	MP BETA3	Y	-.01	4
27	MP GAMMA3	Y	-.01	4
28	MP ALPHA3	Y	-.014	4
29	MP BETA3	Y	-.014	4
30	MP GAMMA3	Y	-.014	4

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.004	4
2	MP ALPHA1	Z	-.004	0
3	MP BETA1	Z	-.004	4
4	MP BETA1	Z	-.004	0
5	MP GAMMA1	Z	-.004	4
6	MP GAMMA1	Z	-.004	0
7	MP ALPHA2	Z	-.006	4
8	MP ALPHA2	Z	-.006	0
9	MP BETA2	Z	-.006	4
10	MP BETA2	Z	-.006	0
11	MP GAMMA2	Z	-.006	4
12	MP GAMMA2	Z	-.006	0
13	MP ALPHA4	Z	-.003	3
14	MP ALPHA4	Z	-.003	1
15	MP BETA4	Z	-.003	3
16	MP BETA4	Z	-.003	1
17	MP GAMMA4	Z	-.003	3
18	MP GAMMA4	Z	-.003	1
19	MP ALPHA3	Z	-.004	7
20	MP ALPHA3	Z	-.004	1
21	MP BETA3	Z	-.004	7
22	MP BETA3	Z	-.004	1
23	MP GAMMA3	Z	-.004	7
24	MP GAMMA3	Z	-.004	1
25	MP ALPHA3	Z	-.004	4
26	MP BETA3	Z	-.004	4
27	MP GAMMA3	Z	-.004	4
28	MP ALPHA3	Z	-.006	4
29	MP BETA3	Z	-.006	4
30	MP GAMMA3	Z	-.006	4

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.003	-.003	0	0
2	SO2	PY	-.007	-.007	0	0
3	SO1	PY	-.007	-.007	0	0
4	SO VERT2	PY	-.006	-.006	0	0
5	SO VERT1	PY	-.006	-.006	0	0
6	SO PIPE	PY	-.004	-.004	0	0
7	SO DIAG	PY	-.006	-.006	0	0
8	MP ALPHA4	PY	-.012	-.012	0	0
9	MP ALPHA3	PY	-.012	-.012	0	0
10	MP ALPHA2	PY	-.012	-.012	0	0
11	MP ALPHA1	PY	-.012	-.012	0	0
12	KICKER4	PY	-.007	-.007	0	0
13	KICKER3	PY	-.007	-.007	0	0
14	KICKER2	PY	-.007	-.007	0	0
15	KICKER1	PY	-.007	-.007	0	0
16	KICKER DIAG4	PY	-.006	-.006	0	0
17	KICKER DIAG3	PY	-.006	-.006	0	0
18	KICKER DIAG2	PY	-.006	-.006	0	0
19	KICKER DIAG1	PY	-.006	-.006	0	0
20	FACE2	PY	-.015	-.015	0	0
21	FACE1	PY	-.015	-.015	0	0
22	FACE VERT3	PY	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
23	FACE VERT2	PY	-.011	-.011	0	0
24	FACE VERT1	PY	-.011	-.011	0	0
25	FACE DIAG2	PY	-.012	-.012	0	0
26	FACE DIAG1	PY	-.012	-.012	0	0
27	TIEBACK B	PY	-.002	-.002	0	0
28	SO2 B	PY	-.004	-.004	0	0
29	SO1 B	PY	-.004	-.004	0	0
30	SO VERT2 B	PY	-.003	-.003	0	0
31	SO VERT1 B	PY	-.003	-.003	0	0
32	SO PIPE B	PY	-.002	-.002	0	0
33	SO DIAG B	PY	-.003	-.003	0	0
34	MP BETA4	PY	-.006	-.006	0	0
35	MP BETA3	PY	-.006	-.006	0	0
36	MP BETA2	PY	-.006	-.006	0	0
37	MP BETA1	PY	-.006	-.006	0	0
38	KICKER4 B	PY	-.004	-.004	0	0
39	KICKER3 B	PY	-.004	-.004	0	0
40	KICKER2 B	PY	-.004	-.004	0	0
41	KICKER1 B	PY	-.004	-.004	0	0
42	KICKER DIAG4 B	PY	-.003	-.003	0	0
43	KICKER DIAG3 B	PY	-.003	-.003	0	0
44	KICKER DIAG2 B	PY	-.003	-.003	0	0
45	KICKER DIAG1 B	PY	-.003	-.003	0	0
46	FACE2 B	PY	-.008	-.008	0	0
47	FACE1 B	PY	-.008	-.008	0	0
48	FACE VERT3 B	PY	-.005	-.005	0	0
49	FACE VERT2 B	PY	-.005	-.005	0	0
50	FACE VERT1 B	PY	-.005	-.005	0	0
51	FACE DIAG2 B	PY	-.006	-.006	0	0
52	FACE DIAG1 B	PY	-.006	-.006	0	0
53	TIEBACK C	PY	-.002	-.002	0	0
54	SO2 C	PY	-.004	-.004	0	0
55	SO1 C	PY	-.004	-.004	0	0
56	SO VERT2 C	PY	-.003	-.003	0	0
57	SO VERT1 C	PY	-.003	-.003	0	0
58	SO PIPE C	PY	-.002	-.002	0	0
59	SO DIAG C	PY	-.003	-.003	0	0
60	MP GAMMA4	PY	-.006	-.006	0	0
61	MP GAMMA3	PY	-.006	-.006	0	0
62	MP GAMMA2	PY	-.006	-.006	0	0
63	MP GAMMA1	PY	-.006	-.006	0	0
64	KICKER4 C	PY	-.004	-.004	0	0
65	KICKER3 C	PY	-.004	-.004	0	0
66	KICKER2 C	PY	-.004	-.004	0	0
67	KICKER1 C	PY	-.004	-.004	0	0
68	KICKER DIAG4 C	PY	-.003	-.003	0	0
69	KICKER DIAG3 C	PY	-.003	-.003	0	0
70	KICKER DIAG2 C	PY	-.003	-.003	0	0
71	KICKER DIAG1 C	PY	-.003	-.003	0	0
72	FACE2 C	PY	-.008	-.008	0	0
73	FACE1 C	PY	-.008	-.008	0	0
74	FACE VERT3 C	PY	-.005	-.005	0	0
75	FACE VERT2 C	PY	-.005	-.005	0	0
76	FACE VERT1 C	PY	-.005	-.005	0	0
77	FACE DIAG2 C	PY	-.006	-.006	0	0
78	FACE DIAG1 C	PY	-.006	-.006	0	0
79	TIEBACK B	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
80	SO2 B	PX	.006	.006	0	0
81	SO1 B	PX	.006	.006	0	0
82	SO VERT2 B	PX	.005	.005	0	0
83	SO VERT1 B	PX	.005	.005	0	0
84	SO PIPE B	PX	.003	.003	0	0
85	SO DIAG B	PX	.005	.005	0	0
86	MP BETA4	PX	.011	.011	0	0
87	MP BETA3	PX	.011	.011	0	0
88	MP BETA2	PX	.011	.011	0	0
89	MP BETA1	PX	.011	.011	0	0
90	KICKER4 B	PX	.006	.006	0	0
91	KICKER3 B	PX	.006	.006	0	0
92	KICKER2 B	PX	.006	.006	0	0
93	KICKER1 B	PX	.006	.006	0	0
94	KICKER DIAG4 B	PX	.005	.005	0	0
95	KICKER DIAG3 B	PX	.005	.005	0	0
96	KICKER DIAG2 B	PX	.005	.005	0	0
97	KICKER DIAG1 B	PX	.005	.005	0	0
98	FACE2 B	PX	.013	.013	0	0
99	FACE1 B	PX	.013	.013	0	0
100	FACE VERT3 B	PX	.009	.009	0	0
101	FACE VERT2 B	PX	.009	.009	0	0
102	FACE VERT1 B	PX	.009	.009	0	0
103	FACE DIAG2 B	PX	.011	.011	0	0
104	FACE DIAG1 B	PX	.011	.011	0	0
105	TIEBACK C	PX	-.003	-.003	0	0
106	SO2 C	PX	-.006	-.006	0	0
107	SO1 C	PX	-.006	-.006	0	0
108	SO VERT2 C	PX	-.005	-.005	0	0
109	SO VERT1 C	PX	-.005	-.005	0	0
110	SO PIPE C	PX	-.003	-.003	0	0
111	SO DIAG C	PX	-.005	-.005	0	0
112	MP GAMMA4	PX	-.011	-.011	0	0
113	MP GAMMA3	PX	-.011	-.011	0	0
114	MP GAMMA2	PX	-.011	-.011	0	0
115	MP GAMMA1	PX	-.011	-.011	0	0
116	KICKER4 C	PX	-.006	-.006	0	0
117	KICKER3 C	PX	-.006	-.006	0	0
118	KICKER2 C	PX	-.006	-.006	0	0
119	KICKER1 C	PX	-.006	-.006	0	0
120	KICKER DIAG4 C	PX	-.005	-.005	0	0
121	KICKER DIAG3 C	PX	-.005	-.005	0	0
122	KICKER DIAG2 C	PX	-.005	-.005	0	0
123	KICKER DIAG1 C	PX	-.005	-.005	0	0
124	FACE2 C	PX	-.013	-.013	0	0
125	FACE1 C	PX	-.013	-.013	0	0
126	FACE VERT3 C	PX	-.009	-.009	0	0
127	FACE VERT2 C	PX	-.009	-.009	0	0
128	FACE VERT1 C	PX	-.009	-.009	0	0
129	FACE DIAG2 C	PX	-.011	-.011	0	0
130	FACE DIAG1 C	PX	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.003	-.003	0	0
2	SO2	PY	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
3	SO1	PY	-.006	-.006	0	0
4	SO VERT2	PY	-.005	-.005	0	0
5	SO VERT1	PY	-.005	-.005	0	0
6	SO PIPE	PY	-.003	-.003	0	0
7	SO DIAG	PY	-.005	-.005	0	0
8	MP ALPHA4	PY	-.011	-.011	0	0
9	MP ALPHA3	PY	-.011	-.011	0	0
10	MP ALPHA2	PY	-.011	-.011	0	0
11	MP ALPHA1	PY	-.011	-.011	0	0
12	KICKER4	PY	-.006	-.006	0	0
13	KICKER3	PY	-.006	-.006	0	0
14	KICKER2	PY	-.006	-.006	0	0
15	KICKER1	PY	-.006	-.006	0	0
16	KICKER DIAG4	PY	-.005	-.005	0	0
17	KICKER DIAG3	PY	-.005	-.005	0	0
18	KICKER DIAG2	PY	-.005	-.005	0	0
19	KICKER DIAG1	PY	-.005	-.005	0	0
20	FACE2	PY	-.013	-.013	0	0
21	FACE1	PY	-.013	-.013	0	0
22	FACE VERT3	PY	-.009	-.009	0	0
23	FACE VERT2	PY	-.009	-.009	0	0
24	FACE VERT1	PY	-.009	-.009	0	0
25	FACE DIAG2	PY	-.011	-.011	0	0
26	FACE DIAG1	PY	-.011	-.011	0	0
27	TIEBACK B	PX	-.005	-.005	0	0
28	SO2 B	PX	-.007	-.007	0	0
29	SO1 B	PX	-.007	-.007	0	0
30	SO VERT2 B	PX	-.011	-.011	0	0
31	SO VERT1 B	PX	-.011	-.011	0	0
32	SO PIPE B	PX	-.011	-.011	0	0
33	SO DIAG B	PX	-.006	-.006	0	0
34	MP BETA4	PX	-.012	-.012	0	0
35	MP BETA3	PX	-.012	-.012	0	0
36	MP BETA2	PX	-.012	-.012	0	0
37	MP BETA1	PX	-.012	-.012	0	0
38	KICKER4 B	PX	-.013	-.013	0	0
39	KICKER3 B	PX	-.013	-.013	0	0
40	KICKER2 B	PX	-.013	-.013	0	0
41	KICKER1 B	PX	-.013	-.013	0	0
42	KICKER DIAG4 B	PX	-.011	-.011	0	0
43	KICKER DIAG3 B	PX	-.011	-.011	0	0
44	KICKER DIAG2 B	PX	-.011	-.011	0	0
45	KICKER DIAG1 B	PX	-.011	-.011	0	0
46	FACE2 B	PX	-.009	-.009	0	0
47	FACE1 B	PX	-.009	-.009	0	0
48	FACE VERT3 B	PX	-.006	-.006	0	0
49	FACE VERT2 B	PX	-.006	-.006	0	0
50	FACE VERT1 B	PX	-.006	-.006	0	0
51	FACE DIAG2 B	PX	-.007	-.007	0	0
52	FACE DIAG1 B	PX	-.007	-.007	0	0
53	TIEBACK C	PY	-.003	-.003	0	0
54	SO2 C	PY	-.006	-.006	0	0
55	SO1 C	PY	-.006	-.006	0	0
56	SO VERT2 C	PY	-.005	-.005	0	0
57	SO VERT1 C	PY	-.005	-.005	0	0
58	SO PIPE C	PY	-.003	-.003	0	0
59	SO DIAG C	PY	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
60	MP GAMMA4	PY	-.011	-.011	0	0
61	MP GAMMA3	PY	-.011	-.011	0	0
62	MP GAMMA2	PY	-.011	-.011	0	0
63	MP GAMMA1	PY	-.011	-.011	0	0
64	KICKER4 C	PY	-.006	-.006	0	0
65	KICKER3 C	PY	-.006	-.006	0	0
66	KICKER2 C	PY	-.006	-.006	0	0
67	KICKER1 C	PY	-.006	-.006	0	0
68	KICKER DIAG4 C	PY	-.005	-.005	0	0
69	KICKER DIAG3 C	PY	-.005	-.005	0	0
70	KICKER DIAG2 C	PY	-.005	-.005	0	0
71	KICKER DIAG1 C	PY	-.005	-.005	0	0
72	FACE2 C	PY	-.013	-.013	0	0
73	FACE1 C	PY	-.013	-.013	0	0
74	FACE VERT3 C	PY	-.009	-.009	0	0
75	FACE VERT2 C	PY	-.009	-.009	0	0
76	FACE VERT1 C	PY	-.009	-.009	0	0
77	FACE DIAG2 C	PY	-.011	-.011	0	0
78	FACE DIAG1 C	PY	-.011	-.011	0	0
79	TIEBACK	PX	-.002	-.002	0	0
80	SO2	PX	-.004	-.004	0	0
81	SO1	PX	-.004	-.004	0	0
82	SO VERT2	PX	-.003	-.003	0	0
83	SO VERT1	PX	-.003	-.003	0	0
84	SO PIPE	PX	-.002	-.002	0	0
85	SO DIAG	PX	-.003	-.003	0	0
86	MP ALPHA4	PX	-.006	-.006	0	0
87	MP ALPHA3	PX	-.006	-.006	0	0
88	MP ALPHA2	PX	-.006	-.006	0	0
89	MP ALPHA1	PX	-.006	-.006	0	0
90	KICKER4	PX	-.004	-.004	0	0
91	KICKER3	PX	-.004	-.004	0	0
92	KICKER2	PX	-.004	-.004	0	0
93	KICKER1	PX	-.004	-.004	0	0
94	KICKER DIAG4	PX	-.003	-.003	0	0
95	KICKER DIAG3	PX	-.003	-.003	0	0
96	KICKER DIAG2	PX	-.003	-.003	0	0
97	KICKER DIAG1	PX	-.003	-.003	0	0
98	FACE2	PX	-.008	-.008	0	0
99	FACE1	PX	-.008	-.008	0	0
100	FACE VERT3	PX	-.005	-.005	0	0
101	FACE VERT2	PX	-.005	-.005	0	0
102	FACE VERT1	PX	-.005	-.005	0	0
103	FACE DIAG2	PX	-.006	-.006	0	0
104	FACE DIAG1	PX	-.006	-.006	0	0
105	TIEBACK C	PX	-.002	-.002	0	0
106	SO2 C	PX	-.004	-.004	0	0
107	SO1 C	PX	-.004	-.004	0	0
108	SO VERT2 C	PX	-.003	-.003	0	0
109	SO VERT1 C	PX	-.003	-.003	0	0
110	SO PIPE C	PX	-.002	-.002	0	0
111	SO DIAG C	PX	-.003	-.003	0	0
112	MP GAMMA4	PX	-.006	-.006	0	0
113	MP GAMMA3	PX	-.006	-.006	0	0
114	MP GAMMA2	PX	-.006	-.006	0	0
115	MP GAMMA1	PX	-.006	-.006	0	0
116	KICKER4 C	PX	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
117	KICKER3 C	PX	-.004	-.004	0	0
118	KICKER2 C	PX	-.004	-.004	0	0
119	KICKER1 C	PX	-.004	-.004	0	0
120	KICKER DIAG4 C	PX	-.003	-.003	0	0
121	KICKER DIAG3 C	PX	-.003	-.003	0	0
122	KICKER DIAG2 C	PX	-.003	-.003	0	0
123	KICKER DIAG1 C	PX	-.003	-.003	0	0
124	FACE2 C	PX	-.008	-.008	0	0
125	FACE1 C	PX	-.008	-.008	0	0
126	FACE VERT3 C	PX	-.005	-.005	0	0
127	FACE VERT2 C	PX	-.005	-.005	0	0
128	FACE VERT1 C	PX	-.005	-.005	0	0
129	FACE DIAG2 C	PX	-.006	-.006	0	0
130	FACE DIAG1 C	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.002	-.002	0	0
2	SO2	PY	-.004	-.004	0	0
3	SO1	PY	-.004	-.004	0	0
4	SO VERT2	PY	-.003	-.003	0	0
5	SO VERT1	PY	-.003	-.003	0	0
6	SO PIPE	PY	-.002	-.002	0	0
7	SO DIAG	PY	-.003	-.003	0	0
8	MP ALPHA4	PY	-.006	-.006	0	0
9	MP ALPHA3	PY	-.006	-.006	0	0
10	MP ALPHA2	PY	-.006	-.006	0	0
11	MP ALPHA1	PY	-.006	-.006	0	0
12	KICKER4	PY	-.004	-.004	0	0
13	KICKER3	PY	-.004	-.004	0	0
14	KICKER2	PY	-.004	-.004	0	0
15	KICKER1	PY	-.004	-.004	0	0
16	KICKER DIAG4	PY	-.003	-.003	0	0
17	KICKER DIAG3	PY	-.003	-.003	0	0
18	KICKER DIAG2	PY	-.003	-.003	0	0
19	KICKER DIAG1	PY	-.003	-.003	0	0
20	FACE2	PY	-.008	-.008	0	0
21	FACE1	PY	-.008	-.008	0	0
22	FACE VERT3	PY	-.005	-.005	0	0
23	FACE VERT2	PY	-.005	-.005	0	0
24	FACE VERT1	PY	-.005	-.005	0	0
25	FACE DIAG2	PY	-.006	-.006	0	0
26	FACE DIAG1	PY	-.006	-.006	0	0
27	TIEBACK B	PY	-.002	-.002	0	0
28	SO2 B	PY	-.004	-.004	0	0
29	SO1 B	PY	-.004	-.004	0	0
30	SO VERT2 B	PY	-.003	-.003	0	0
31	SO VERT1 B	PY	-.003	-.003	0	0
32	SO PIPE B	PY	-.002	-.002	0	0
33	SO DIAG B	PY	-.003	-.003	0	0
34	MP BETA4	PY	-.006	-.006	0	0
35	MP BETA3	PY	-.006	-.006	0	0
36	MP BETA2	PY	-.006	-.006	0	0
37	MP BETA1	PY	-.006	-.006	0	0
38	KICKER4 B	PY	-.004	-.004	0	0
39	KICKER3 B	PY	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
40	KICKER2 B	PY	-.004	-.004	0	0
41	KICKER1 B	PY	-.004	-.004	0	0
42	KICKER DIAG4 B	PY	-.003	-.003	0	0
43	KICKER DIAG3 B	PY	-.003	-.003	0	0
44	KICKER DIAG2 B	PY	-.003	-.003	0	0
45	KICKER DIAG1 B	PY	-.003	-.003	0	0
46	FACE2 B	PY	-.008	-.008	0	0
47	FACE1 B	PY	-.008	-.008	0	0
48	FACE VERT3 B	PY	-.005	-.005	0	0
49	FACE VERT2 B	PY	-.005	-.005	0	0
50	FACE VERT1 B	PY	-.005	-.005	0	0
51	FACE DIAG2 B	PY	-.006	-.006	0	0
52	FACE DIAG1 B	PY	-.006	-.006	0	0
53	TIEBACK C	PY	-.003	-.003	0	0
54	SO2 C	PY	-.007	-.007	0	0
55	SO1 C	PY	-.007	-.007	0	0
56	SO VERT2 C	PY	-.006	-.006	0	0
57	SO VERT1 C	PY	-.006	-.006	0	0
58	SO PIPE C	PY	-.004	-.004	0	0
59	SO DIAG C	PY	-.006	-.006	0	0
60	MP GAMMA4	PY	-.012	-.012	0	0
61	MP GAMMA3	PY	-.012	-.012	0	0
62	MP GAMMA2	PY	-.012	-.012	0	0
63	MP GAMMA1	PY	-.012	-.012	0	0
64	KICKER4 C	PY	-.007	-.007	0	0
65	KICKER3 C	PY	-.007	-.007	0	0
66	KICKER2 C	PY	-.007	-.007	0	0
67	KICKER1 C	PY	-.007	-.007	0	0
68	KICKER DIAG4 C	PY	-.006	-.006	0	0
69	KICKER DIAG3 C	PY	-.006	-.006	0	0
70	KICKER DIAG2 C	PY	-.006	-.006	0	0
71	KICKER DIAG1 C	PY	-.006	-.006	0	0
72	FACE2 C	PY	-.015	-.015	0	0
73	FACE1 C	PY	-.015	-.015	0	0
74	FACE VERT3 C	PY	-.011	-.011	0	0
75	FACE VERT2 C	PY	-.011	-.011	0	0
76	FACE VERT1 C	PY	-.011	-.011	0	0
77	FACE DIAG2 C	PY	-.012	-.012	0	0
78	FACE DIAG1 C	PY	-.012	-.012	0	0
79	TIEBACK	PX	-.003	-.003	0	0
80	SO2	PX	-.006	-.006	0	0
81	SO1	PX	-.006	-.006	0	0
82	SO VERT2	PX	-.005	-.005	0	0
83	SO VERT1	PX	-.005	-.005	0	0
84	SO PIPE	PX	-.003	-.003	0	0
85	SO DIAG	PX	-.005	-.005	0	0
86	MP ALPHA4	PX	-.011	-.011	0	0
87	MP ALPHA3	PX	-.011	-.011	0	0
88	MP ALPHA2	PX	-.011	-.011	0	0
89	MP ALPHA1	PX	-.011	-.011	0	0
90	KICKER4	PX	-.006	-.006	0	0
91	KICKER3	PX	-.006	-.006	0	0
92	KICKER2	PX	-.006	-.006	0	0
93	KICKER1	PX	-.006	-.006	0	0
94	KICKER DIAG4	PX	-.005	-.005	0	0
95	KICKER DIAG3	PX	-.005	-.005	0	0
96	KICKER DIAG2	PX	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
97	KICKER DIAG1	PX	-.005	-.005	0	0
98	FACE2	PX	-.013	-.013	0	0
99	FACE1	PX	-.013	-.013	0	0
100	FACE VERT3	PX	-.009	-.009	0	0
101	FACE VERT2	PX	-.009	-.009	0	0
102	FACE VERT1	PX	-.009	-.009	0	0
103	FACE DIAG2	PX	-.011	-.011	0	0
104	FACE DIAG1	PX	-.011	-.011	0	0
105	TIEBACK B	PX	-.003	-.003	0	0
106	SO2 B	PX	-.006	-.006	0	0
107	SO1 B	PX	-.006	-.006	0	0
108	SO VERT2 B	PX	-.005	-.005	0	0
109	SO VERT1 B	PX	-.005	-.005	0	0
110	SO PIPE B	PX	-.003	-.003	0	0
111	SO DIAG B	PX	-.005	-.005	0	0
112	MP BETA4	PX	-.011	-.011	0	0
113	MP BETA3	PX	-.011	-.011	0	0
114	MP BETA2	PX	-.011	-.011	0	0
115	MP BETA1	PX	-.011	-.011	0	0
116	KICKER4 B	PX	-.006	-.006	0	0
117	KICKER3 B	PX	-.006	-.006	0	0
118	KICKER2 B	PX	-.006	-.006	0	0
119	KICKER1 B	PX	-.006	-.006	0	0
120	KICKER DIAG4 B	PX	-.005	-.005	0	0
121	KICKER DIAG3 B	PX	-.005	-.005	0	0
122	KICKER DIAG2 B	PX	-.005	-.005	0	0
123	KICKER DIAG1 B	PX	-.005	-.005	0	0
124	FACE2 B	PX	-.013	-.013	0	0
125	FACE1 B	PX	-.013	-.013	0	0
126	FACE VERT3 B	PX	-.009	-.009	0	0
127	FACE VERT2 B	PX	-.009	-.009	0	0
128	FACE VERT1 B	PX	-.009	-.009	0	0
129	FACE DIAG2 B	PX	-.011	-.011	0	0
130	FACE DIAG1 B	PX	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PX	-.005	-.005	0	0
2	SO2	PX	-.007	-.007	0	0
3	SO1	PX	-.007	-.007	0	0
4	SO VERT2	PX	-.011	-.011	0	0
5	SO VERT1	PX	-.011	-.011	0	0
6	SO PIPE	PX	-.011	-.011	0	0
7	SO DIAG	PX	-.006	-.006	0	0
8	MP ALPHA4	PX	-.012	-.012	0	0
9	MP ALPHA3	PX	-.012	-.012	0	0
10	MP ALPHA2	PX	-.012	-.012	0	0
11	MP ALPHA1	PX	-.012	-.012	0	0
12	KICKER4	PX	-.013	-.013	0	0
13	KICKER3	PX	-.013	-.013	0	0
14	KICKER2	PX	-.013	-.013	0	0
15	KICKER1	PX	-.013	-.013	0	0
16	KICKER DIAG4	PX	-.011	-.011	0	0
17	KICKER DIAG3	PX	-.011	-.011	0	0
18	KICKER DIAG2	PX	-.011	-.011	0	0
19	KICKER DIAG1	PX	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
20	FACE2	PX	-.009	-.009	0	0
21	FACE1	PX	-.009	-.009	0	0
22	FACE VERT3	PX	-.006	-.006	0	0
23	FACE VERT2	PX	-.006	-.006	0	0
24	FACE VERT1	PX	-.006	-.006	0	0
25	FACE DIAG2	PX	-.007	-.007	0	0
26	FACE DIAG1	PX	-.007	-.007	0	0
27	TIEBACK B	PY	.003	.003	0	0
28	SO2 B	PY	.006	.006	0	0
29	SO1 B	PY	.006	.006	0	0
30	SO VERT2 B	PY	.005	.005	0	0
31	SO VERT1 B	PY	.005	.005	0	0
32	SO PIPE B	PY	.003	.003	0	0
33	SO DIAG B	PY	.005	.005	0	0
34	MP BETA4	PY	.011	.011	0	0
35	MP BETA3	PY	.011	.011	0	0
36	MP BETA2	PY	.011	.011	0	0
37	MP BETA1	PY	.011	.011	0	0
38	KICKER4 B	PY	.006	.006	0	0
39	KICKER3 B	PY	.006	.006	0	0
40	KICKER2 B	PY	.006	.006	0	0
41	KICKER1 B	PY	.006	.006	0	0
42	KICKER DIAG4 B	PY	.005	.005	0	0
43	KICKER DIAG3 B	PY	.005	.005	0	0
44	KICKER DIAG2 B	PY	.005	.005	0	0
45	KICKER DIAG1 B	PY	.005	.005	0	0
46	FACE2 B	PY	.013	.013	0	0
47	FACE1 B	PY	.013	.013	0	0
48	FACE VERT3 B	PY	.009	.009	0	0
49	FACE VERT2 B	PY	.009	.009	0	0
50	FACE VERT1 B	PY	.009	.009	0	0
51	FACE DIAG2 B	PY	.011	.011	0	0
52	FACE DIAG1 B	PY	.011	.011	0	0
53	TIEBACK C	PY	-.003	-.003	0	0
54	SO2 C	PY	-.006	-.006	0	0
55	SO1 C	PY	-.006	-.006	0	0
56	SO VERT2 C	PY	-.005	-.005	0	0
57	SO VERT1 C	PY	-.005	-.005	0	0
58	SO PIPE C	PY	-.003	-.003	0	0
59	SO DIAG C	PY	-.005	-.005	0	0
60	MP GAMMA4	PY	-.011	-.011	0	0
61	MP GAMMA3	PY	-.011	-.011	0	0
62	MP GAMMA2	PY	-.011	-.011	0	0
63	MP GAMMA1	PY	-.011	-.011	0	0
64	KICKER4 C	PY	-.006	-.006	0	0
65	KICKER3 C	PY	-.006	-.006	0	0
66	KICKER2 C	PY	-.006	-.006	0	0
67	KICKER1 C	PY	-.006	-.006	0	0
68	KICKER DIAG4 C	PY	-.005	-.005	0	0
69	KICKER DIAG3 C	PY	-.005	-.005	0	0
70	KICKER DIAG2 C	PY	-.005	-.005	0	0
71	KICKER DIAG1 C	PY	-.005	-.005	0	0
72	FACE2 C	PY	-.013	-.013	0	0
73	FACE1 C	PY	-.013	-.013	0	0
74	FACE VERT3 C	PY	-.009	-.009	0	0
75	FACE VERT2 C	PY	-.009	-.009	0	0
76	FACE VERT1 C	PY	-.009	-.009	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
77	FACE DIAG2 C	PY	-.011	-.011	0	0
78	FACE DIAG1 C	PY	-.011	-.011	0	0
79	TIEBACK B	PX	-.002	-.002	0	0
80	SO2 B	PX	-.004	-.004	0	0
81	SO1 B	PX	-.004	-.004	0	0
82	SO VERT2 B	PX	-.003	-.003	0	0
83	SO VERT1 B	PX	-.003	-.003	0	0
84	SO PIPE B	PX	-.002	-.002	0	0
85	SO DIAG B	PX	-.003	-.003	0	0
86	MP BETA4	PX	-.006	-.006	0	0
87	MP BETA3	PX	-.006	-.006	0	0
88	MP BETA2	PX	-.006	-.006	0	0
89	MP BETA1	PX	-.006	-.006	0	0
90	KICKER4 B	PX	-.004	-.004	0	0
91	KICKER3 B	PX	-.004	-.004	0	0
92	KICKER2 B	PX	-.004	-.004	0	0
93	KICKER1 B	PX	-.004	-.004	0	0
94	KICKER DIAG4 B	PX	-.003	-.003	0	0
95	KICKER DIAG3 B	PX	-.003	-.003	0	0
96	KICKER DIAG2 B	PX	-.003	-.003	0	0
97	KICKER DIAG1 B	PX	-.003	-.003	0	0
98	FACE2 B	PX	-.008	-.008	0	0
99	FACE1 B	PX	-.008	-.008	0	0
100	FACE VERT3 B	PX	-.005	-.005	0	0
101	FACE VERT2 B	PX	-.005	-.005	0	0
102	FACE VERT1 B	PX	-.005	-.005	0	0
103	FACE DIAG2 B	PX	-.006	-.006	0	0
104	FACE DIAG1 B	PX	-.006	-.006	0	0
105	TIEBACK C	PX	-.002	-.002	0	0
106	SO2 C	PX	-.004	-.004	0	0
107	SO1 C	PX	-.004	-.004	0	0
108	SO VERT2 C	PX	-.003	-.003	0	0
109	SO VERT1 C	PX	-.003	-.003	0	0
110	SO PIPE C	PX	-.002	-.002	0	0
111	SO DIAG C	PX	-.003	-.003	0	0
112	MP GAMMA4	PX	-.006	-.006	0	0
113	MP GAMMA3	PX	-.006	-.006	0	0
114	MP GAMMA2	PX	-.006	-.006	0	0
115	MP GAMMA1	PX	-.006	-.006	0	0
116	KICKER4 C	PX	-.004	-.004	0	0
117	KICKER3 C	PX	-.004	-.004	0	0
118	KICKER2 C	PX	-.004	-.004	0	0
119	KICKER1 C	PX	-.004	-.004	0	0
120	KICKER DIAG4 C	PX	-.003	-.003	0	0
121	KICKER DIAG3 C	PX	-.003	-.003	0	0
122	KICKER DIAG2 C	PX	-.003	-.003	0	0
123	KICKER DIAG1 C	PX	-.003	-.003	0	0
124	FACE2 C	PX	-.008	-.008	0	0
125	FACE1 C	PX	-.008	-.008	0	0
126	FACE VERT3 C	PX	-.005	-.005	0	0
127	FACE VERT2 C	PX	-.005	-.005	0	0
128	FACE VERT1 C	PX	-.005	-.005	0	0
129	FACE DIAG2 C	PX	-.006	-.006	0	0
130	FACE DIAG1 C	PX	-.006	-.006	0	0

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

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

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.002	.002	0	0
2	SO2	PY	.004	.004	0	0
3	SO1	PY	.004	.004	0	0
4	SO VERT2	PY	.003	.003	0	0
5	SO VERT1	PY	.003	.003	0	0
6	SO PIPE	PY	.002	.002	0	0
7	SO DIAG	PY	.003	.003	0	0
8	MP ALPHA4	PY	.006	.006	0	0
9	MP ALPHA3	PY	.006	.006	0	0
10	MP ALPHA2	PY	.006	.006	0	0
11	MP ALPHA1	PY	.006	.006	0	0
12	KICKER4	PY	.004	.004	0	0
13	KICKER3	PY	.004	.004	0	0
14	KICKER2	PY	.004	.004	0	0
15	KICKER1	PY	.004	.004	0	0
16	KICKER DIAG4	PY	.003	.003	0	0
17	KICKER DIAG3	PY	.003	.003	0	0
18	KICKER DIAG2	PY	.003	.003	0	0
19	KICKER DIAG1	PY	.003	.003	0	0
20	FACE2	PY	.008	.008	0	0
21	FACE1	PY	.008	.008	0	0
22	FACE VERT3	PY	.005	.005	0	0
23	FACE VERT2	PY	.005	.005	0	0
24	FACE VERT1	PY	.005	.005	0	0
25	FACE DIAG2	PY	.006	.006	0	0
26	FACE DIAG1	PY	.006	.006	0	0
27	TIEBACK B	PY	.003	.003	0	0
28	SO2 B	PY	.007	.007	0	0
29	SO1 B	PY	.007	.007	0	0
30	SO VERT2 B	PY	.006	.006	0	0
31	SO VERT1 B	PY	.006	.006	0	0
32	SO PIPE B	PY	.004	.004	0	0
33	SO DIAG B	PY	.006	.006	0	0
34	MP BETA4	PY	.012	.012	0	0
35	MP BETA3	PY	.012	.012	0	0
36	MP BETA2	PY	.012	.012	0	0
37	MP BETA1	PY	.012	.012	0	0
38	KICKER4 B	PY	.007	.007	0	0
39	KICKER3 B	PY	.007	.007	0	0
40	KICKER2 B	PY	.007	.007	0	0
41	KICKER1 B	PY	.007	.007	0	0
42	KICKER DIAG4 B	PY	.006	.006	0	0
43	KICKER DIAG3 B	PY	.006	.006	0	0
44	KICKER DIAG2 B	PY	.006	.006	0	0
45	KICKER DIAG1 B	PY	.006	.006	0	0
46	FACE2 B	PY	.015	.015	0	0
47	FACE1 B	PY	.015	.015	0	0
48	FACE VERT3 B	PY	.011	.011	0	0
49	FACE VERT2 B	PY	.011	.011	0	0
50	FACE VERT1 B	PY	.011	.011	0	0
51	FACE DIAG2 B	PY	.012	.012	0	0
52	FACE DIAG1 B	PY	.012	.012	0	0
53	TIEBACK C	PY	.002	.002	0	0
54	SO2 C	PY	.004	.004	0	0
55	SO1 C	PY	.004	.004	0	0
56	SO VERT2 C	PY	.003	.003	0	0
57	SO VERT1 C	PY	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
58	SO PIPE C	PY	.002	.002	0	0
59	SO DIAG C	PY	.003	.003	0	0
60	MP GAMMA4	PY	.006	.006	0	0
61	MP GAMMA3	PY	.006	.006	0	0
62	MP GAMMA2	PY	.006	.006	0	0
63	MP GAMMA1	PY	.006	.006	0	0
64	KICKER4 C	PY	.004	.004	0	0
65	KICKER3 C	PY	.004	.004	0	0
66	KICKER2 C	PY	.004	.004	0	0
67	KICKER1 C	PY	.004	.004	0	0
68	KICKER DIAG4 C	PY	.003	.003	0	0
69	KICKER DIAG3 C	PY	.003	.003	0	0
70	KICKER DIAG2 C	PY	.003	.003	0	0
71	KICKER DIAG1 C	PY	.003	.003	0	0
72	FACE2 C	PY	.008	.008	0	0
73	FACE1 C	PY	.008	.008	0	0
74	FACE VERT3 C	PY	.005	.005	0	0
75	FACE VERT2 C	PY	.005	.005	0	0
76	FACE VERT1 C	PY	.005	.005	0	0
77	FACE DIAG2 C	PY	.006	.006	0	0
78	FACE DIAG1 C	PY	.006	.006	0	0
79	TIEBACK	PX	-.003	-.003	0	0
80	SO2	PX	-.006	-.006	0	0
81	SO1	PX	-.006	-.006	0	0
82	SO VERT2	PX	-.005	-.005	0	0
83	SO VERT1	PX	-.005	-.005	0	0
84	SO PIPE	PX	-.003	-.003	0	0
85	SO DIAG	PX	-.005	-.005	0	0
86	MP ALPHA4	PX	-.011	-.011	0	0
87	MP ALPHA3	PX	-.011	-.011	0	0
88	MP ALPHA2	PX	-.011	-.011	0	0
89	MP ALPHA1	PX	-.011	-.011	0	0
90	KICKER4	PX	-.006	-.006	0	0
91	KICKER3	PX	-.006	-.006	0	0
92	KICKER2	PX	-.006	-.006	0	0
93	KICKER1	PX	-.006	-.006	0	0
94	KICKER DIAG4	PX	-.005	-.005	0	0
95	KICKER DIAG3	PX	-.005	-.005	0	0
96	KICKER DIAG2	PX	-.005	-.005	0	0
97	KICKER DIAG1	PX	-.005	-.005	0	0
98	FACE2	PX	-.013	-.013	0	0
99	FACE1	PX	-.013	-.013	0	0
100	FACE VERT3	PX	-.009	-.009	0	0
101	FACE VERT2	PX	-.009	-.009	0	0
102	FACE VERT1	PX	-.009	-.009	0	0
103	FACE DIAG2	PX	-.011	-.011	0	0
104	FACE DIAG1	PX	-.011	-.011	0	0
105	TIEBACK C	PX	-.003	-.003	0	0
106	SO2 C	PX	-.006	-.006	0	0
107	SO1 C	PX	-.006	-.006	0	0
108	SO VERT2 C	PX	-.005	-.005	0	0
109	SO VERT1 C	PX	-.005	-.005	0	0
110	SO PIPE C	PX	-.003	-.003	0	0
111	SO DIAG C	PX	-.005	-.005	0	0
112	MP GAMMA4	PX	-.011	-.011	0	0
113	MP GAMMA3	PX	-.011	-.011	0	0
114	MP GAMMA2	PX	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
115	MP GAMMA1	PX	-.011	-.011	0	0
116	KICKER4 C	PX	-.006	-.006	0	0
117	KICKER3 C	PX	-.006	-.006	0	0
118	KICKER2 C	PX	-.006	-.006	0	0
119	KICKER1 C	PX	-.006	-.006	0	0
120	KICKER DIAG4 C	PX	-.005	-.005	0	0
121	KICKER DIAG3 C	PX	-.005	-.005	0	0
122	KICKER DIAG2 C	PX	-.005	-.005	0	0
123	KICKER DIAG1 C	PX	-.005	-.005	0	0
124	FACE2 C	PX	-.013	-.013	0	0
125	FACE1 C	PX	-.013	-.013	0	0
126	FACE VERT3 C	PX	-.009	-.009	0	0
127	FACE VERT2 C	PX	-.009	-.009	0	0
128	FACE VERT1 C	PX	-.009	-.009	0	0
129	FACE DIAG2 C	PX	-.011	-.011	0	0
130	FACE DIAG1 C	PX	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.003	.003	0	0
2	SO2	PY	.006	.006	0	0
3	SO1	PY	.006	.006	0	0
4	SO VERT2	PY	.005	.005	0	0
5	SO VERT1	PY	.005	.005	0	0
6	SO PIPE	PY	.003	.003	0	0
7	SO DIAG	PY	.005	.005	0	0
8	MP ALPHA4	PY	.011	.011	0	0
9	MP ALPHA3	PY	.011	.011	0	0
10	MP ALPHA2	PY	.011	.011	0	0
11	MP ALPHA1	PY	.011	.011	0	0
12	KICKER4	PY	.006	.006	0	0
13	KICKER3	PY	.006	.006	0	0
14	KICKER2	PY	.006	.006	0	0
15	KICKER1	PY	.006	.006	0	0
16	KICKER DIAG4	PY	.005	.005	0	0
17	KICKER DIAG3	PY	.005	.005	0	0
18	KICKER DIAG2	PY	.005	.005	0	0
19	KICKER DIAG1	PY	.005	.005	0	0
20	FACE2	PY	.013	.013	0	0
21	FACE1	PY	.013	.013	0	0
22	FACE VERT3	PY	.009	.009	0	0
23	FACE VERT2	PY	.009	.009	0	0
24	FACE VERT1	PY	.009	.009	0	0
25	FACE DIAG2	PY	.011	.011	0	0
26	FACE DIAG1	PY	.011	.011	0	0
27	TIEBACK B	PY	.003	.003	0	0
28	SO2 B	PY	.006	.006	0	0
29	SO1 B	PY	.006	.006	0	0
30	SO VERT2 B	PY	.005	.005	0	0
31	SO VERT1 B	PY	.005	.005	0	0
32	SO PIPE B	PY	.003	.003	0	0
33	SO DIAG B	PY	.005	.005	0	0
34	MP BETA4	PY	.011	.011	0	0
35	MP BETA3	PY	.011	.011	0	0
36	MP BETA2	PY	.011	.011	0	0
37	MP BETA1	PY	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
38	KICKER4 B	PY	.006	.006	0	0
39	KICKER3 B	PY	.006	.006	0	0
40	KICKER2 B	PY	.006	.006	0	0
41	KICKER1 B	PY	.006	.006	0	0
42	KICKER DIAG4 B	PY	.005	.005	0	0
43	KICKER DIAG3 B	PY	.005	.005	0	0
44	KICKER DIAG2 B	PY	.005	.005	0	0
45	KICKER DIAG1 B	PY	.005	.005	0	0
46	FACE2 B	PY	.013	.013	0	0
47	FACE1 B	PY	.013	.013	0	0
48	FACE VERT3 B	PY	.009	.009	0	0
49	FACE VERT2 B	PY	.009	.009	0	0
50	FACE VERT1 B	PY	.009	.009	0	0
51	FACE DIAG2 B	PY	.011	.011	0	0
52	FACE DIAG1 B	PY	.011	.011	0	0
53	TIEBACK C	PX	-.005	-.005	0	0
54	SO2 C	PX	-.007	-.007	0	0
55	SO1 C	PX	-.007	-.007	0	0
56	SO VERT2 C	PX	-.011	-.011	0	0
57	SO VERT1 C	PX	-.011	-.011	0	0
58	SO PIPE C	PX	-.011	-.011	0	0
59	SO DIAG C	PX	-.006	-.006	0	0
60	MP GAMMA4	PX	-.012	-.012	0	0
61	MP GAMMA3	PX	-.012	-.012	0	0
62	MP GAMMA2	PX	-.012	-.012	0	0
63	MP GAMMA1	PX	-.012	-.012	0	0
64	KICKER4 C	PX	-.013	-.013	0	0
65	KICKER3 C	PX	-.013	-.013	0	0
66	KICKER2 C	PX	-.013	-.013	0	0
67	KICKER1 C	PX	-.013	-.013	0	0
68	KICKER DIAG4 C	PX	-.011	-.011	0	0
69	KICKER DIAG3 C	PX	-.011	-.011	0	0
70	KICKER DIAG2 C	PX	-.011	-.011	0	0
71	KICKER DIAG1 C	PX	-.011	-.011	0	0
72	FACE2 C	PX	-.009	-.009	0	0
73	FACE1 C	PX	-.009	-.009	0	0
74	FACE VERT3 C	PX	-.006	-.006	0	0
75	FACE VERT2 C	PX	-.006	-.006	0	0
76	FACE VERT1 C	PX	-.006	-.006	0	0
77	FACE DIAG2 C	PX	-.007	-.007	0	0
78	FACE DIAG1 C	PX	-.007	-.007	0	0
79	TIEBACK	PX	-.002	-.002	0	0
80	SO2	PX	-.004	-.004	0	0
81	SO1	PX	-.004	-.004	0	0
82	SO VERT2	PX	-.003	-.003	0	0
83	SO VERT1	PX	-.003	-.003	0	0
84	SO PIPE	PX	-.002	-.002	0	0
85	SO DIAG	PX	-.003	-.003	0	0
86	MP ALPHA4	PX	-.006	-.006	0	0
87	MP ALPHA3	PX	-.006	-.006	0	0
88	MP ALPHA2	PX	-.006	-.006	0	0
89	MP ALPHA1	PX	-.006	-.006	0	0
90	KICKER4	PX	-.004	-.004	0	0
91	KICKER3	PX	-.004	-.004	0	0
92	KICKER2	PX	-.004	-.004	0	0
93	KICKER1	PX	-.004	-.004	0	0
94	KICKER DIAG4	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
95	KICKER DIAG3	PX	-.003	-.003	0	0
96	KICKER DIAG2	PX	-.003	-.003	0	0
97	KICKER DIAG1	PX	-.003	-.003	0	0
98	FACE2	PX	-.008	-.008	0	0
99	FACE1	PX	-.008	-.008	0	0
100	FACE VERT3	PX	-.005	-.005	0	0
101	FACE VERT2	PX	-.005	-.005	0	0
102	FACE VERT1	PX	-.005	-.005	0	0
103	FACE DIAG2	PX	-.006	-.006	0	0
104	FACE DIAG1	PX	-.006	-.006	0	0
105	TIEBACK B	PX	-.002	-.002	0	0
106	SO2 B	PX	-.004	-.004	0	0
107	SO1 B	PX	-.004	-.004	0	0
108	SO VERT2 B	PX	-.003	-.003	0	0
109	SO VERT1 B	PX	-.003	-.003	0	0
110	SO PIPE B	PX	-.002	-.002	0	0
111	SO DIAG B	PX	-.003	-.003	0	0
112	MP BETA4	PX	-.006	-.006	0	0
113	MP BETA3	PX	-.006	-.006	0	0
114	MP BETA2	PX	-.006	-.006	0	0
115	MP BETA1	PX	-.006	-.006	0	0
116	KICKER4 B	PX	-.004	-.004	0	0
117	KICKER3 B	PX	-.004	-.004	0	0
118	KICKER2 B	PX	-.004	-.004	0	0
119	KICKER1 B	PX	-.004	-.004	0	0
120	KICKER DIAG4 B	PX	-.003	-.003	0	0
121	KICKER DIAG3 B	PX	-.003	-.003	0	0
122	KICKER DIAG2 B	PX	-.003	-.003	0	0
123	KICKER DIAG1 B	PX	-.003	-.003	0	0
124	FACE2 B	PX	-.008	-.008	0	0
125	FACE1 B	PX	-.008	-.008	0	0
126	FACE VERT3 B	PX	-.005	-.005	0	0
127	FACE VERT2 B	PX	-.005	-.005	0	0
128	FACE VERT1 B	PX	-.005	-.005	0	0
129	FACE DIAG2 B	PX	-.006	-.006	0	0
130	FACE DIAG1 B	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.003	.003	0	0
2	SO2	PY	.007	.007	0	0
3	SO1	PY	.007	.007	0	0
4	SO VERT2	PY	.006	.006	0	0
5	SO VERT1	PY	.006	.006	0	0
6	SO PIPE	PY	.004	.004	0	0
7	SO DIAG	PY	.006	.006	0	0
8	MP ALPHA4	PY	.012	.012	0	0
9	MP ALPHA3	PY	.012	.012	0	0
10	MP ALPHA2	PY	.012	.012	0	0
11	MP ALPHA1	PY	.012	.012	0	0
12	KICKER4	PY	.007	.007	0	0
13	KICKER3	PY	.007	.007	0	0
14	KICKER2	PY	.007	.007	0	0
15	KICKER1	PY	.007	.007	0	0
16	KICKER DIAG4	PY	.006	.006	0	0
17	KICKER DIAG3	PY	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
18	KICKER DIAG2	PY	.006	.006	0	0
19	KICKER DIAG1	PY	.006	.006	0	0
20	FACE2	PY	.015	.015	0	0
21	FACE1	PY	.015	.015	0	0
22	FACE VERT3	PY	.011	.011	0	0
23	FACE VERT2	PY	.011	.011	0	0
24	FACE VERT1	PY	.011	.011	0	0
25	FACE DIAG2	PY	.012	.012	0	0
26	FACE DIAG1	PY	.012	.012	0	0
27	TIEBACK B	PY	.002	.002	0	0
28	SO2 B	PY	.004	.004	0	0
29	SO1 B	PY	.004	.004	0	0
30	SO VERT2 B	PY	.003	.003	0	0
31	SO VERT1 B	PY	.003	.003	0	0
32	SO PIPE B	PY	.002	.002	0	0
33	SO DIAG B	PY	.003	.003	0	0
34	MP BETA4	PY	.006	.006	0	0
35	MP BETA3	PY	.006	.006	0	0
36	MP BETA2	PY	.006	.006	0	0
37	MP BETA1	PY	.006	.006	0	0
38	KICKER4 B	PY	.004	.004	0	0
39	KICKER3 B	PY	.004	.004	0	0
40	KICKER2 B	PY	.004	.004	0	0
41	KICKER1 B	PY	.004	.004	0	0
42	KICKER DIAG4 B	PY	.003	.003	0	0
43	KICKER DIAG3 B	PY	.003	.003	0	0
44	KICKER DIAG2 B	PY	.003	.003	0	0
45	KICKER DIAG1 B	PY	.003	.003	0	0
46	FACE2 B	PY	.008	.008	0	0
47	FACE1 B	PY	.008	.008	0	0
48	FACE VERT3 B	PY	.005	.005	0	0
49	FACE VERT2 B	PY	.005	.005	0	0
50	FACE VERT1 B	PY	.005	.005	0	0
51	FACE DIAG2 B	PY	.006	.006	0	0
52	FACE DIAG1 B	PY	.006	.006	0	0
53	TIEBACK C	PY	.002	.002	0	0
54	SO2 C	PY	.004	.004	0	0
55	SO1 C	PY	.004	.004	0	0
56	SO VERT2 C	PY	.003	.003	0	0
57	SO VERT1 C	PY	.003	.003	0	0
58	SO PIPE C	PY	.002	.002	0	0
59	SO DIAG C	PY	.003	.003	0	0
60	MP GAMMA4	PY	.006	.006	0	0
61	MP GAMMA3	PY	.006	.006	0	0
62	MP GAMMA2	PY	.006	.006	0	0
63	MP GAMMA1	PY	.006	.006	0	0
64	KICKER4 C	PY	.004	.004	0	0
65	KICKER3 C	PY	.004	.004	0	0
66	KICKER2 C	PY	.004	.004	0	0
67	KICKER1 C	PY	.004	.004	0	0
68	KICKER DIAG4 C	PY	.003	.003	0	0
69	KICKER DIAG3 C	PY	.003	.003	0	0
70	KICKER DIAG2 C	PY	.003	.003	0	0
71	KICKER DIAG1 C	PY	.003	.003	0	0
72	FACE2 C	PY	.008	.008	0	0
73	FACE1 C	PY	.008	.008	0	0
74	FACE VERT3 C	PY	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
75	FACE VERT2 C	PY	.005	.005	0	0
76	FACE VERT1 C	PY	.005	.005	0	0
77	FACE DIAG2 C	PY	.006	.006	0	0
78	FACE DIAG1 C	PY	.006	.006	0	0
79	TIEBACK B	PX	-.003	-.003	0	0
80	SO2 B	PX	-.006	-.006	0	0
81	SO1 B	PX	-.006	-.006	0	0
82	SO VERT2 B	PX	-.005	-.005	0	0
83	SO VERT1 B	PX	-.005	-.005	0	0
84	SO PIPE B	PX	-.003	-.003	0	0
85	SO DIAG B	PX	-.005	-.005	0	0
86	MP BETA4	PX	-.011	-.011	0	0
87	MP BETA3	PX	-.011	-.011	0	0
88	MP BETA2	PX	-.011	-.011	0	0
89	MP BETA1	PX	-.011	-.011	0	0
90	KICKER4 B	PX	-.006	-.006	0	0
91	KICKER3 B	PX	-.006	-.006	0	0
92	KICKER2 B	PX	-.006	-.006	0	0
93	KICKER1 B	PX	-.006	-.006	0	0
94	KICKER DIAG4 B	PX	-.005	-.005	0	0
95	KICKER DIAG3 B	PX	-.005	-.005	0	0
96	KICKER DIAG2 B	PX	-.005	-.005	0	0
97	KICKER DIAG1 B	PX	-.005	-.005	0	0
98	FACE2 B	PX	-.013	-.013	0	0
99	FACE1 B	PX	-.013	-.013	0	0
100	FACE VERT3 B	PX	-.009	-.009	0	0
101	FACE VERT2 B	PX	-.009	-.009	0	0
102	FACE VERT1 B	PX	-.009	-.009	0	0
103	FACE DIAG2 B	PX	-.011	-.011	0	0
104	FACE DIAG1 B	PX	-.011	-.011	0	0
105	TIEBACK C	PX	.003	.003	0	0
106	SO2 C	PX	.006	.006	0	0
107	SO1 C	PX	.006	.006	0	0
108	SO VERT2 C	PX	.005	.005	0	0
109	SO VERT1 C	PX	.005	.005	0	0
110	SO PIPE C	PX	.003	.003	0	0
111	SO DIAG C	PX	.005	.005	0	0
112	MP GAMMA4	PX	.011	.011	0	0
113	MP GAMMA3	PX	.011	.011	0	0
114	MP GAMMA2	PX	.011	.011	0	0
115	MP GAMMA1	PX	.011	.011	0	0
116	KICKER4 C	PX	.006	.006	0	0
117	KICKER3 C	PX	.006	.006	0	0
118	KICKER2 C	PX	.006	.006	0	0
119	KICKER1 C	PX	.006	.006	0	0
120	KICKER DIAG4 C	PX	.005	.005	0	0
121	KICKER DIAG3 C	PX	.005	.005	0	0
122	KICKER DIAG2 C	PX	.005	.005	0	0
123	KICKER DIAG1 C	PX	.005	.005	0	0
124	FACE2 C	PX	.013	.013	0	0
125	FACE1 C	PX	.013	.013	0	0
126	FACE VERT3 C	PX	.009	.009	0	0
127	FACE VERT2 C	PX	.009	.009	0	0
128	FACE VERT1 C	PX	.009	.009	0	0
129	FACE DIAG2 C	PX	.011	.011	0	0
130	FACE DIAG1 C	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.003	.003	0	0
2	SO2	PY	.006	.006	0	0
3	SO1	PY	.006	.006	0	0
4	SO VERT2	PY	.005	.005	0	0
5	SO VERT1	PY	.005	.005	0	0
6	SO PIPE	PY	.003	.003	0	0
7	SO DIAG	PY	.005	.005	0	0
8	MP ALPHA4	PY	.011	.011	0	0
9	MP ALPHA3	PY	.011	.011	0	0
10	MP ALPHA2	PY	.011	.011	0	0
11	MP ALPHA1	PY	.011	.011	0	0
12	KICKER4	PY	.006	.006	0	0
13	KICKER3	PY	.006	.006	0	0
14	KICKER2	PY	.006	.006	0	0
15	KICKER1	PY	.006	.006	0	0
16	KICKER DIAG4	PY	.005	.005	0	0
17	KICKER DIAG3	PY	.005	.005	0	0
18	KICKER DIAG2	PY	.005	.005	0	0
19	KICKER DIAG1	PY	.005	.005	0	0
20	FACE2	PY	.013	.013	0	0
21	FACE1	PY	.013	.013	0	0
22	FACE VERT3	PY	.009	.009	0	0
23	FACE VERT2	PY	.009	.009	0	0
24	FACE VERT1	PY	.009	.009	0	0
25	FACE DIAG2	PY	.011	.011	0	0
26	FACE DIAG1	PY	.011	.011	0	0
27	TIEBACK B	PX	.005	.005	0	0
28	SO2 B	PX	.007	.007	0	0
29	SO1 B	PX	.007	.007	0	0
30	SO VERT2 B	PX	.011	.011	0	0
31	SO VERT1 B	PX	.011	.011	0	0
32	SO PIPE B	PX	.011	.011	0	0
33	SO DIAG B	PX	.006	.006	0	0
34	MP BETA4	PX	.012	.012	0	0
35	MP BETA3	PX	.012	.012	0	0
36	MP BETA2	PX	.012	.012	0	0
37	MP BETA1	PX	.012	.012	0	0
38	KICKER4 B	PX	.013	.013	0	0
39	KICKER3 B	PX	.013	.013	0	0
40	KICKER2 B	PX	.013	.013	0	0
41	KICKER1 B	PX	.013	.013	0	0
42	KICKER DIAG4 B	PX	.011	.011	0	0
43	KICKER DIAG3 B	PX	.011	.011	0	0
44	KICKER DIAG2 B	PX	.011	.011	0	0
45	KICKER DIAG1 B	PX	.011	.011	0	0
46	FACE2 B	PX	.009	.009	0	0
47	FACE1 B	PX	.009	.009	0	0
48	FACE VERT3 B	PX	.006	.006	0	0
49	FACE VERT2 B	PX	.006	.006	0	0
50	FACE VERT1 B	PX	.006	.006	0	0
51	FACE DIAG2 B	PX	.007	.007	0	0
52	FACE DIAG1 B	PX	.007	.007	0	0
53	TIEBACK C	PY	.003	.003	0	0
54	SO2 C	PY	.006	.006	0	0
55	SO1 C	PY	.006	.006	0	0
56	SO VERT2 C	PY	.005	.005	0	0
57	SO VERT1 C	PY	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
58	SO PIPE C	PY	.003	.003	0	0
59	SO DIAG C	PY	.005	.005	0	0
60	MP GAMMA4	PY	.011	.011	0	0
61	MP GAMMA3	PY	.011	.011	0	0
62	MP GAMMA2	PY	.011	.011	0	0
63	MP GAMMA1	PY	.011	.011	0	0
64	KICKER4 C	PY	.006	.006	0	0
65	KICKER3 C	PY	.006	.006	0	0
66	KICKER2 C	PY	.006	.006	0	0
67	KICKER1 C	PY	.006	.006	0	0
68	KICKER DIAG4 C	PY	.005	.005	0	0
69	KICKER DIAG3 C	PY	.005	.005	0	0
70	KICKER DIAG2 C	PY	.005	.005	0	0
71	KICKER DIAG1 C	PY	.005	.005	0	0
72	FACE2 C	PY	.013	.013	0	0
73	FACE1 C	PY	.013	.013	0	0
74	FACE VERT3 C	PY	.009	.009	0	0
75	FACE VERT2 C	PY	.009	.009	0	0
76	FACE VERT1 C	PY	.009	.009	0	0
77	FACE DIAG2 C	PY	.011	.011	0	0
78	FACE DIAG1 C	PY	.011	.011	0	0
79	TIEBACK	PX	.002	.002	0	0
80	SO2	PX	.004	.004	0	0
81	SO1	PX	.004	.004	0	0
82	SO VERT2	PX	.003	.003	0	0
83	SO VERT1	PX	.003	.003	0	0
84	SO PIPE	PX	.002	.002	0	0
85	SO DIAG	PX	.003	.003	0	0
86	MP ALPHA4	PX	.006	.006	0	0
87	MP ALPHA3	PX	.006	.006	0	0
88	MP ALPHA2	PX	.006	.006	0	0
89	MP ALPHA1	PX	.006	.006	0	0
90	KICKER4	PX	.004	.004	0	0
91	KICKER3	PX	.004	.004	0	0
92	KICKER2	PX	.004	.004	0	0
93	KICKER1	PX	.004	.004	0	0
94	KICKER DIAG4	PX	.003	.003	0	0
95	KICKER DIAG3	PX	.003	.003	0	0
96	KICKER DIAG2	PX	.003	.003	0	0
97	KICKER DIAG1	PX	.003	.003	0	0
98	FACE2	PX	.008	.008	0	0
99	FACE1	PX	.008	.008	0	0
100	FACE VERT3	PX	.005	.005	0	0
101	FACE VERT2	PX	.005	.005	0	0
102	FACE VERT1	PX	.005	.005	0	0
103	FACE DIAG2	PX	.006	.006	0	0
104	FACE DIAG1	PX	.006	.006	0	0
105	TIEBACK C	PX	.002	.002	0	0
106	SO2 C	PX	.004	.004	0	0
107	SO1 C	PX	.004	.004	0	0
108	SO VERT2 C	PX	.003	.003	0	0
109	SO VERT1 C	PX	.003	.003	0	0
110	SO PIPE C	PX	.002	.002	0	0
111	SO DIAG C	PX	.003	.003	0	0
112	MP GAMMA4	PX	.006	.006	0	0
113	MP GAMMA3	PX	.006	.006	0	0
114	MP GAMMA2	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
115	MP GAMMA1	PX	.006	.006	0	0
116	KICKER4 C	PX	.004	.004	0	0
117	KICKER3 C	PX	.004	.004	0	0
118	KICKER2 C	PX	.004	.004	0	0
119	KICKER1 C	PX	.004	.004	0	0
120	KICKER DIAG4 C	PX	.003	.003	0	0
121	KICKER DIAG3 C	PX	.003	.003	0	0
122	KICKER DIAG2 C	PX	.003	.003	0	0
123	KICKER DIAG1 C	PX	.003	.003	0	0
124	FACE2 C	PX	.008	.008	0	0
125	FACE1 C	PX	.008	.008	0	0
126	FACE VERT3 C	PX	.005	.005	0	0
127	FACE VERT2 C	PX	.005	.005	0	0
128	FACE VERT1 C	PX	.005	.005	0	0
129	FACE DIAG2 C	PX	.006	.006	0	0
130	FACE DIAG1 C	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.002	.002	0	0
2	SO2	PY	.004	.004	0	0
3	SO1	PY	.004	.004	0	0
4	SO VERT2	PY	.003	.003	0	0
5	SO VERT1	PY	.003	.003	0	0
6	SO PIPE	PY	.002	.002	0	0
7	SO DIAG	PY	.003	.003	0	0
8	MP ALPHA4	PY	.006	.006	0	0
9	MP ALPHA3	PY	.006	.006	0	0
10	MP ALPHA2	PY	.006	.006	0	0
11	MP ALPHA1	PY	.006	.006	0	0
12	KICKER4	PY	.004	.004	0	0
13	KICKER3	PY	.004	.004	0	0
14	KICKER2	PY	.004	.004	0	0
15	KICKER1	PY	.004	.004	0	0
16	KICKER DIAG4	PY	.003	.003	0	0
17	KICKER DIAG3	PY	.003	.003	0	0
18	KICKER DIAG2	PY	.003	.003	0	0
19	KICKER DIAG1	PY	.003	.003	0	0
20	FACE2	PY	.008	.008	0	0
21	FACE1	PY	.008	.008	0	0
22	FACE VERT3	PY	.005	.005	0	0
23	FACE VERT2	PY	.005	.005	0	0
24	FACE VERT1	PY	.005	.005	0	0
25	FACE DIAG2	PY	.006	.006	0	0
26	FACE DIAG1	PY	.006	.006	0	0
27	TIEBACK B	PY	.002	.002	0	0
28	SO2 B	PY	.004	.004	0	0
29	SO1 B	PY	.004	.004	0	0
30	SO VERT2 B	PY	.003	.003	0	0
31	SO VERT1 B	PY	.003	.003	0	0
32	SO PIPE B	PY	.002	.002	0	0
33	SO DIAG B	PY	.003	.003	0	0
34	MP BETA4	PY	.006	.006	0	0
35	MP BETA3	PY	.006	.006	0	0
36	MP BETA2	PY	.006	.006	0	0
37	MP BETA1	PY	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
38	KICKER4 B	PY	.004	.004	0	0
39	KICKER3 B	PY	.004	.004	0	0
40	KICKER2 B	PY	.004	.004	0	0
41	KICKER1 B	PY	.004	.004	0	0
42	KICKER DIAG4 B	PY	.003	.003	0	0
43	KICKER DIAG3 B	PY	.003	.003	0	0
44	KICKER DIAG2 B	PY	.003	.003	0	0
45	KICKER DIAG1 B	PY	.003	.003	0	0
46	FACE2 B	PY	.008	.008	0	0
47	FACE1 B	PY	.008	.008	0	0
48	FACE VERT3 B	PY	.005	.005	0	0
49	FACE VERT2 B	PY	.005	.005	0	0
50	FACE VERT1 B	PY	.005	.005	0	0
51	FACE DIAG2 B	PY	.006	.006	0	0
52	FACE DIAG1 B	PY	.006	.006	0	0
53	TIEBACK C	PY	.003	.003	0	0
54	SO2 C	PY	.007	.007	0	0
55	SO1 C	PY	.007	.007	0	0
56	SO VERT2 C	PY	.006	.006	0	0
57	SO VERT1 C	PY	.006	.006	0	0
58	SO PIPE C	PY	.004	.004	0	0
59	SO DIAG C	PY	.006	.006	0	0
60	MP GAMMA4	PY	.012	.012	0	0
61	MP GAMMA3	PY	.012	.012	0	0
62	MP GAMMA2	PY	.012	.012	0	0
63	MP GAMMA1	PY	.012	.012	0	0
64	KICKER4 C	PY	.007	.007	0	0
65	KICKER3 C	PY	.007	.007	0	0
66	KICKER2 C	PY	.007	.007	0	0
67	KICKER1 C	PY	.007	.007	0	0
68	KICKER DIAG4 C	PY	.006	.006	0	0
69	KICKER DIAG3 C	PY	.006	.006	0	0
70	KICKER DIAG2 C	PY	.006	.006	0	0
71	KICKER DIAG1 C	PY	.006	.006	0	0
72	FACE2 C	PY	.015	.015	0	0
73	FACE1 C	PY	.015	.015	0	0
74	FACE VERT3 C	PY	.011	.011	0	0
75	FACE VERT2 C	PY	.011	.011	0	0
76	FACE VERT1 C	PY	.011	.011	0	0
77	FACE DIAG2 C	PY	.012	.012	0	0
78	FACE DIAG1 C	PY	.012	.012	0	0
79	TIEBACK	PX	.003	.003	0	0
80	SO2	PX	.006	.006	0	0
81	SO1	PX	.006	.006	0	0
82	SO VERT2	PX	.005	.005	0	0
83	SO VERT1	PX	.005	.005	0	0
84	SO PIPE	PX	.003	.003	0	0
85	SO DIAG	PX	.005	.005	0	0
86	MP ALPHA4	PX	.011	.011	0	0
87	MP ALPHA3	PX	.011	.011	0	0
88	MP ALPHA2	PX	.011	.011	0	0
89	MP ALPHA1	PX	.011	.011	0	0
90	KICKER4	PX	.006	.006	0	0
91	KICKER3	PX	.006	.006	0	0
92	KICKER2	PX	.006	.006	0	0
93	KICKER1	PX	.006	.006	0	0
94	KICKER DIAG4	PX	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
95	KICKER DIAG3	PX	.005	.005	0	0
96	KICKER DIAG2	PX	.005	.005	0	0
97	KICKER DIAG1	PX	.005	.005	0	0
98	FACE2	PX	.013	.013	0	0
99	FACE1	PX	.013	.013	0	0
100	FACE VERT3	PX	.009	.009	0	0
101	FACE VERT2	PX	.009	.009	0	0
102	FACE VERT1	PX	.009	.009	0	0
103	FACE DIAG2	PX	.011	.011	0	0
104	FACE DIAG1	PX	.011	.011	0	0
105	TIEBACK B	PX	.003	.003	0	0
106	SO2 B	PX	.006	.006	0	0
107	SO1 B	PX	.006	.006	0	0
108	SO VERT2 B	PX	.005	.005	0	0
109	SO VERT1 B	PX	.005	.005	0	0
110	SO PIPE B	PX	.003	.003	0	0
111	SO DIAG B	PX	.005	.005	0	0
112	MP BETA4	PX	.011	.011	0	0
113	MP BETA3	PX	.011	.011	0	0
114	MP BETA2	PX	.011	.011	0	0
115	MP BETA1	PX	.011	.011	0	0
116	KICKER4 B	PX	.006	.006	0	0
117	KICKER3 B	PX	.006	.006	0	0
118	KICKER2 B	PX	.006	.006	0	0
119	KICKER1 B	PX	.006	.006	0	0
120	KICKER DIAG4 B	PX	.005	.005	0	0
121	KICKER DIAG3 B	PX	.005	.005	0	0
122	KICKER DIAG2 B	PX	.005	.005	0	0
123	KICKER DIAG1 B	PX	.005	.005	0	0
124	FACE2 B	PX	.013	.013	0	0
125	FACE1 B	PX	.013	.013	0	0
126	FACE VERT3 B	PX	.009	.009	0	0
127	FACE VERT2 B	PX	.009	.009	0	0
128	FACE VERT1 B	PX	.009	.009	0	0
129	FACE DIAG2 B	PX	.011	.011	0	0
130	FACE DIAG1 B	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PX	.005	.005	0	0
2	SO2	PX	.007	.007	0	0
3	SO1	PX	.007	.007	0	0
4	SO VERT2	PX	.011	.011	0	0
5	SO VERT1	PX	.011	.011	0	0
6	SO PIPE	PX	.011	.011	0	0
7	SO DIAG	PX	.006	.006	0	0
8	MP ALPHA4	PX	.012	.012	0	0
9	MP ALPHA3	PX	.012	.012	0	0
10	MP ALPHA2	PX	.012	.012	0	0
11	MP ALPHA1	PX	.012	.012	0	0
12	KICKER4	PX	.013	.013	0	0
13	KICKER3	PX	.013	.013	0	0
14	KICKER2	PX	.013	.013	0	0
15	KICKER1	PX	.013	.013	0	0
16	KICKER DIAG4	PX	.011	.011	0	0
17	KICKER DIAG3	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
18	KICKER DIAG2	PX	.011	.011	0	0
19	KICKER DIAG1	PX	.011	.011	0	0
20	FACE2	PX	.009	.009	0	0
21	FACE1	PX	.009	.009	0	0
22	FACE VERT3	PX	.006	.006	0	0
23	FACE VERT2	PX	.006	.006	0	0
24	FACE VERT1	PX	.006	.006	0	0
25	FACE DIAG2	PX	.007	.007	0	0
26	FACE DIAG1	PX	.007	.007	0	0
27	TIEBACK B	PY	-.003	-.003	0	0
28	SO2 B	PY	-.006	-.006	0	0
29	SO1 B	PY	-.006	-.006	0	0
30	SO VERT2 B	PY	-.005	-.005	0	0
31	SO VERT1 B	PY	-.005	-.005	0	0
32	SO PIPE B	PY	-.003	-.003	0	0
33	SO DIAG B	PY	-.005	-.005	0	0
34	MP BETA4	PY	-.011	-.011	0	0
35	MP BETA3	PY	-.011	-.011	0	0
36	MP BETA2	PY	-.011	-.011	0	0
37	MP BETA1	PY	-.011	-.011	0	0
38	KICKER4 B	PY	-.006	-.006	0	0
39	KICKER3 B	PY	-.006	-.006	0	0
40	KICKER2 B	PY	-.006	-.006	0	0
41	KICKER1 B	PY	-.006	-.006	0	0
42	KICKER DIAG4 B	PY	-.005	-.005	0	0
43	KICKER DIAG3 B	PY	-.005	-.005	0	0
44	KICKER DIAG2 B	PY	-.005	-.005	0	0
45	KICKER DIAG1 B	PY	-.005	-.005	0	0
46	FACE2 B	PY	-.013	-.013	0	0
47	FACE1 B	PY	-.013	-.013	0	0
48	FACE VERT3 B	PY	-.009	-.009	0	0
49	FACE VERT2 B	PY	-.009	-.009	0	0
50	FACE VERT1 B	PY	-.009	-.009	0	0
51	FACE DIAG2 B	PY	-.011	-.011	0	0
52	FACE DIAG1 B	PY	-.011	-.011	0	0
53	TIEBACK C	PY	.003	.003	0	0
54	SO2 C	PY	.006	.006	0	0
55	SO1 C	PY	.006	.006	0	0
56	SO VERT2 C	PY	.005	.005	0	0
57	SO VERT1 C	PY	.005	.005	0	0
58	SO PIPE C	PY	.003	.003	0	0
59	SO DIAG C	PY	.005	.005	0	0
60	MP GAMMA4	PY	.011	.011	0	0
61	MP GAMMA3	PY	.011	.011	0	0
62	MP GAMMA2	PY	.011	.011	0	0
63	MP GAMMA1	PY	.011	.011	0	0
64	KICKER4 C	PY	.006	.006	0	0
65	KICKER3 C	PY	.006	.006	0	0
66	KICKER2 C	PY	.006	.006	0	0
67	KICKER1 C	PY	.006	.006	0	0
68	KICKER DIAG4 C	PY	.005	.005	0	0
69	KICKER DIAG3 C	PY	.005	.005	0	0
70	KICKER DIAG2 C	PY	.005	.005	0	0
71	KICKER DIAG1 C	PY	.005	.005	0	0
72	FACE2 C	PY	.013	.013	0	0
73	FACE1 C	PY	.013	.013	0	0
74	FACE VERT3 C	PY	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
75	FACE VERT2 C	PY	.009	.009	0	0
76	FACE VERT1 C	PY	.009	.009	0	0
77	FACE DIAG2 C	PY	.011	.011	0	0
78	FACE DIAG1 C	PY	.011	.011	0	0
79	TIEBACK B	PX	.002	.002	0	0
80	SO2 B	PX	.004	.004	0	0
81	SO1 B	PX	.004	.004	0	0
82	SO VERT2 B	PX	.003	.003	0	0
83	SO VERT1 B	PX	.003	.003	0	0
84	SO PIPE B	PX	.002	.002	0	0
85	SO DIAG B	PX	.003	.003	0	0
86	MP BETA4	PX	.006	.006	0	0
87	MP BETA3	PX	.006	.006	0	0
88	MP BETA2	PX	.006	.006	0	0
89	MP BETA1	PX	.006	.006	0	0
90	KICKER4 B	PX	.004	.004	0	0
91	KICKER3 B	PX	.004	.004	0	0
92	KICKER2 B	PX	.004	.004	0	0
93	KICKER1 B	PX	.004	.004	0	0
94	KICKER DIAG4 B	PX	.003	.003	0	0
95	KICKER DIAG3 B	PX	.003	.003	0	0
96	KICKER DIAG2 B	PX	.003	.003	0	0
97	KICKER DIAG1 B	PX	.003	.003	0	0
98	FACE2 B	PX	.008	.008	0	0
99	FACE1 B	PX	.008	.008	0	0
100	FACE VERT3 B	PX	.005	.005	0	0
101	FACE VERT2 B	PX	.005	.005	0	0
102	FACE VERT1 B	PX	.005	.005	0	0
103	FACE DIAG2 B	PX	.006	.006	0	0
104	FACE DIAG1 B	PX	.006	.006	0	0
105	TIEBACK C	PX	.002	.002	0	0
106	SO2 C	PX	.004	.004	0	0
107	SO1 C	PX	.004	.004	0	0
108	SO VERT2 C	PX	.003	.003	0	0
109	SO VERT1 C	PX	.003	.003	0	0
110	SO PIPE C	PX	.002	.002	0	0
111	SO DIAG C	PX	.003	.003	0	0
112	MP GAMMA4	PX	.006	.006	0	0
113	MP GAMMA3	PX	.006	.006	0	0
114	MP GAMMA2	PX	.006	.006	0	0
115	MP GAMMA1	PX	.006	.006	0	0
116	KICKER4 C	PX	.004	.004	0	0
117	KICKER3 C	PX	.004	.004	0	0
118	KICKER2 C	PX	.004	.004	0	0
119	KICKER1 C	PX	.004	.004	0	0
120	KICKER DIAG4 C	PX	.003	.003	0	0
121	KICKER DIAG3 C	PX	.003	.003	0	0
122	KICKER DIAG2 C	PX	.003	.003	0	0
123	KICKER DIAG1 C	PX	.003	.003	0	0
124	FACE2 C	PX	.008	.008	0	0
125	FACE1 C	PX	.008	.008	0	0
126	FACE VERT3 C	PX	.005	.005	0	0
127	FACE VERT2 C	PX	.005	.005	0	0
128	FACE VERT1 C	PX	.005	.005	0	0
129	FACE DIAG2 C	PX	.006	.006	0	0
130	FACE DIAG1 C	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.002	-.002	0	0
2	SO2	PY	-.004	-.004	0	0
3	SO1	PY	-.004	-.004	0	0
4	SO VERT2	PY	-.003	-.003	0	0
5	SO VERT1	PY	-.003	-.003	0	0
6	SO PIPE	PY	-.002	-.002	0	0
7	SO DIAG	PY	-.003	-.003	0	0
8	MP ALPHA4	PY	-.006	-.006	0	0
9	MP ALPHA3	PY	-.006	-.006	0	0
10	MP ALPHA2	PY	-.006	-.006	0	0
11	MP ALPHA1	PY	-.006	-.006	0	0
12	KICKER4	PY	-.004	-.004	0	0
13	KICKER3	PY	-.004	-.004	0	0
14	KICKER2	PY	-.004	-.004	0	0
15	KICKER1	PY	-.004	-.004	0	0
16	KICKER DIAG4	PY	-.003	-.003	0	0
17	KICKER DIAG3	PY	-.003	-.003	0	0
18	KICKER DIAG2	PY	-.003	-.003	0	0
19	KICKER DIAG1	PY	-.003	-.003	0	0
20	FACE2	PY	-.008	-.008	0	0
21	FACE1	PY	-.008	-.008	0	0
22	FACE VERT3	PY	-.005	-.005	0	0
23	FACE VERT2	PY	-.005	-.005	0	0
24	FACE VERT1	PY	-.005	-.005	0	0
25	FACE DIAG2	PY	-.006	-.006	0	0
26	FACE DIAG1	PY	-.006	-.006	0	0
27	TIEBACK B	PY	-.003	-.003	0	0
28	SO2 B	PY	-.007	-.007	0	0
29	SO1 B	PY	-.007	-.007	0	0
30	SO VERT2 B	PY	-.006	-.006	0	0
31	SO VERT1 B	PY	-.006	-.006	0	0
32	SO PIPE B	PY	-.004	-.004	0	0
33	SO DIAG B	PY	-.006	-.006	0	0
34	MP BETA4	PY	-.012	-.012	0	0
35	MP BETA3	PY	-.012	-.012	0	0
36	MP BETA2	PY	-.012	-.012	0	0
37	MP BETA1	PY	-.012	-.012	0	0
38	KICKER4 B	PY	-.007	-.007	0	0
39	KICKER3 B	PY	-.007	-.007	0	0
40	KICKER2 B	PY	-.007	-.007	0	0
41	KICKER1 B	PY	-.007	-.007	0	0
42	KICKER DIAG4 B	PY	-.006	-.006	0	0
43	KICKER DIAG3 B	PY	-.006	-.006	0	0
44	KICKER DIAG2 B	PY	-.006	-.006	0	0
45	KICKER DIAG1 B	PY	-.006	-.006	0	0
46	FACE2 B	PY	-.015	-.015	0	0
47	FACE1 B	PY	-.015	-.015	0	0
48	FACE VERT3 B	PY	-.011	-.011	0	0
49	FACE VERT2 B	PY	-.011	-.011	0	0
50	FACE VERT1 B	PY	-.011	-.011	0	0
51	FACE DIAG2 B	PY	-.012	-.012	0	0
52	FACE DIAG1 B	PY	-.012	-.012	0	0
53	TIEBACK C	PY	-.002	-.002	0	0
54	SO2 C	PY	-.004	-.004	0	0
55	SO1 C	PY	-.004	-.004	0	0
56	SO VERT2 C	PY	-.003	-.003	0	0
57	SO VERT1 C	PY	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
58	SO PIPE C	PY	-.002	-.002	0	0
59	SO DIAG C	PY	-.003	-.003	0	0
60	MP GAMMA4	PY	-.006	-.006	0	0
61	MP GAMMA3	PY	-.006	-.006	0	0
62	MP GAMMA2	PY	-.006	-.006	0	0
63	MP GAMMA1	PY	-.006	-.006	0	0
64	KICKER4 C	PY	-.004	-.004	0	0
65	KICKER3 C	PY	-.004	-.004	0	0
66	KICKER2 C	PY	-.004	-.004	0	0
67	KICKER1 C	PY	-.004	-.004	0	0
68	KICKER DIAG4 C	PY	-.003	-.003	0	0
69	KICKER DIAG3 C	PY	-.003	-.003	0	0
70	KICKER DIAG2 C	PY	-.003	-.003	0	0
71	KICKER DIAG1 C	PY	-.003	-.003	0	0
72	FACE2 C	PY	-.008	-.008	0	0
73	FACE1 C	PY	-.008	-.008	0	0
74	FACE VERT3 C	PY	-.005	-.005	0	0
75	FACE VERT2 C	PY	-.005	-.005	0	0
76	FACE VERT1 C	PY	-.005	-.005	0	0
77	FACE DIAG2 C	PY	-.006	-.006	0	0
78	FACE DIAG1 C	PY	-.006	-.006	0	0
79	TIEBACK	PX	.003	.003	0	0
80	SO2	PX	.006	.006	0	0
81	SO1	PX	.006	.006	0	0
82	SO VERT2	PX	.005	.005	0	0
83	SO VERT1	PX	.005	.005	0	0
84	SO PIPE	PX	.003	.003	0	0
85	SO DIAG	PX	.005	.005	0	0
86	MP ALPHA4	PX	.011	.011	0	0
87	MP ALPHA3	PX	.011	.011	0	0
88	MP ALPHA2	PX	.011	.011	0	0
89	MP ALPHA1	PX	.011	.011	0	0
90	KICKER4	PX	.006	.006	0	0
91	KICKER3	PX	.006	.006	0	0
92	KICKER2	PX	.006	.006	0	0
93	KICKER1	PX	.006	.006	0	0
94	KICKER DIAG4	PX	.005	.005	0	0
95	KICKER DIAG3	PX	.005	.005	0	0
96	KICKER DIAG2	PX	.005	.005	0	0
97	KICKER DIAG1	PX	.005	.005	0	0
98	FACE2	PX	.013	.013	0	0
99	FACE1	PX	.013	.013	0	0
100	FACE VERT3	PX	.009	.009	0	0
101	FACE VERT2	PX	.009	.009	0	0
102	FACE VERT1	PX	.009	.009	0	0
103	FACE DIAG2	PX	.011	.011	0	0
104	FACE DIAG1	PX	.011	.011	0	0
105	TIEBACK C	PX	.003	.003	0	0
106	SO2 C	PX	.006	.006	0	0
107	SO1 C	PX	.006	.006	0	0
108	SO VERT2 C	PX	.005	.005	0	0
109	SO VERT1 C	PX	.005	.005	0	0
110	SO PIPE C	PX	.003	.003	0	0
111	SO DIAG C	PX	.005	.005	0	0
112	MP GAMMA4	PX	.011	.011	0	0
113	MP GAMMA3	PX	.011	.011	0	0
114	MP GAMMA2	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
115	MP GAMMA1	PX	.011	.011	0	0
116	KICKER4 C	PX	.006	.006	0	0
117	KICKER3 C	PX	.006	.006	0	0
118	KICKER2 C	PX	.006	.006	0	0
119	KICKER1 C	PX	.006	.006	0	0
120	KICKER DIAG4 C	PX	.005	.005	0	0
121	KICKER DIAG3 C	PX	.005	.005	0	0
122	KICKER DIAG2 C	PX	.005	.005	0	0
123	KICKER DIAG1 C	PX	.005	.005	0	0
124	FACE2 C	PX	.013	.013	0	0
125	FACE1 C	PX	.013	.013	0	0
126	FACE VERT3 C	PX	.009	.009	0	0
127	FACE VERT2 C	PX	.009	.009	0	0
128	FACE VERT1 C	PX	.009	.009	0	0
129	FACE DIAG2 C	PX	.011	.011	0	0
130	FACE DIAG1 C	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.003	-.003	0	0
2	SO2	PY	-.006	-.006	0	0
3	SO1	PY	-.006	-.006	0	0
4	SO VERT2	PY	-.005	-.005	0	0
5	SO VERT1	PY	-.005	-.005	0	0
6	SO PIPE	PY	-.003	-.003	0	0
7	SO DIAG	PY	-.005	-.005	0	0
8	MP ALPHA4	PY	-.011	-.011	0	0
9	MP ALPHA3	PY	-.011	-.011	0	0
10	MP ALPHA2	PY	-.011	-.011	0	0
11	MP ALPHA1	PY	-.011	-.011	0	0
12	KICKER4	PY	-.006	-.006	0	0
13	KICKER3	PY	-.006	-.006	0	0
14	KICKER2	PY	-.006	-.006	0	0
15	KICKER1	PY	-.006	-.006	0	0
16	KICKER DIAG4	PY	-.005	-.005	0	0
17	KICKER DIAG3	PY	-.005	-.005	0	0
18	KICKER DIAG2	PY	-.005	-.005	0	0
19	KICKER DIAG1	PY	-.005	-.005	0	0
20	FACE2	PY	-.013	-.013	0	0
21	FACE1	PY	-.013	-.013	0	0
22	FACE VERT3	PY	-.009	-.009	0	0
23	FACE VERT2	PY	-.009	-.009	0	0
24	FACE VERT1	PY	-.009	-.009	0	0
25	FACE DIAG2	PY	-.011	-.011	0	0
26	FACE DIAG1	PY	-.011	-.011	0	0
27	TIEBACK B	PY	-.003	-.003	0	0
28	SO2 B	PY	-.006	-.006	0	0
29	SO1 B	PY	-.006	-.006	0	0
30	SO VERT2 B	PY	-.005	-.005	0	0
31	SO VERT1 B	PY	-.005	-.005	0	0
32	SO PIPE B	PY	-.003	-.003	0	0
33	SO DIAG B	PY	-.005	-.005	0	0
34	MP BETA4	PY	-.011	-.011	0	0
35	MP BETA3	PY	-.011	-.011	0	0
36	MP BETA2	PY	-.011	-.011	0	0
37	MP BETA1	PY	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
38	KICKER4 B	PY	-.006	-.006	0	0
39	KICKER3 B	PY	-.006	-.006	0	0
40	KICKER2 B	PY	-.006	-.006	0	0
41	KICKER1 B	PY	-.006	-.006	0	0
42	KICKER DIAG4 B	PY	-.005	-.005	0	0
43	KICKER DIAG3 B	PY	-.005	-.005	0	0
44	KICKER DIAG2 B	PY	-.005	-.005	0	0
45	KICKER DIAG1 B	PY	-.005	-.005	0	0
46	FACE2 B	PY	-.013	-.013	0	0
47	FACE1 B	PY	-.013	-.013	0	0
48	FACE VERT3 B	PY	-.009	-.009	0	0
49	FACE VERT2 B	PY	-.009	-.009	0	0
50	FACE VERT1 B	PY	-.009	-.009	0	0
51	FACE DIAG2 B	PY	-.011	-.011	0	0
52	FACE DIAG1 B	PY	-.011	-.011	0	0
53	TIEBACK C	PX	.005	.005	0	0
54	SO2 C	PX	.007	.007	0	0
55	SO1 C	PX	.007	.007	0	0
56	SO VERT2 C	PX	.011	.011	0	0
57	SO VERT1 C	PX	.011	.011	0	0
58	SO PIPE C	PX	.011	.011	0	0
59	SO DIAG C	PX	.006	.006	0	0
60	MP GAMMA4	PX	.012	.012	0	0
61	MP GAMMA3	PX	.012	.012	0	0
62	MP GAMMA2	PX	.012	.012	0	0
63	MP GAMMA1	PX	.012	.012	0	0
64	KICKER4 C	PX	.013	.013	0	0
65	KICKER3 C	PX	.013	.013	0	0
66	KICKER2 C	PX	.013	.013	0	0
67	KICKER1 C	PX	.013	.013	0	0
68	KICKER DIAG4 C	PX	.011	.011	0	0
69	KICKER DIAG3 C	PX	.011	.011	0	0
70	KICKER DIAG2 C	PX	.011	.011	0	0
71	KICKER DIAG1 C	PX	.011	.011	0	0
72	FACE2 C	PX	.009	.009	0	0
73	FACE1 C	PX	.009	.009	0	0
74	FACE VERT3 C	PX	.006	.006	0	0
75	FACE VERT2 C	PX	.006	.006	0	0
76	FACE VERT1 C	PX	.006	.006	0	0
77	FACE DIAG2 C	PX	.007	.007	0	0
78	FACE DIAG1 C	PX	.007	.007	0	0
79	TIEBACK	PX	.002	.002	0	0
80	SO2	PX	.004	.004	0	0
81	SO1	PX	.004	.004	0	0
82	SO VERT2	PX	.003	.003	0	0
83	SO VERT1	PX	.003	.003	0	0
84	SO PIPE	PX	.002	.002	0	0
85	SO DIAG	PX	.003	.003	0	0
86	MP ALPHA4	PX	.006	.006	0	0
87	MP ALPHA3	PX	.006	.006	0	0
88	MP ALPHA2	PX	.006	.006	0	0
89	MP ALPHA1	PX	.006	.006	0	0
90	KICKER4	PX	.004	.004	0	0
91	KICKER3	PX	.004	.004	0	0
92	KICKER2	PX	.004	.004	0	0
93	KICKER1	PX	.004	.004	0	0
94	KICKER DIAG4	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
95	KICKER DIAG3	PX	.003	.003	0	0
96	KICKER DIAG2	PX	.003	.003	0	0
97	KICKER DIAG1	PX	.003	.003	0	0
98	FACE2	PX	.008	.008	0	0
99	FACE1	PX	.008	.008	0	0
100	FACE VERT3	PX	.005	.005	0	0
101	FACE VERT2	PX	.005	.005	0	0
102	FACE VERT1	PX	.005	.005	0	0
103	FACE DIAG2	PX	.006	.006	0	0
104	FACE DIAG1	PX	.006	.006	0	0
105	TIEBACK B	PX	.002	.002	0	0
106	SO2 B	PX	.004	.004	0	0
107	SO1 B	PX	.004	.004	0	0
108	SO VERT2 B	PX	.003	.003	0	0
109	SO VERT1 B	PX	.003	.003	0	0
110	SO PIPE B	PX	.002	.002	0	0
111	SO DIAG B	PX	.003	.003	0	0
112	MP BETA4	PX	.006	.006	0	0
113	MP BETA3	PX	.006	.006	0	0
114	MP BETA2	PX	.006	.006	0	0
115	MP BETA1	PX	.006	.006	0	0
116	KICKER4 B	PX	.004	.004	0	0
117	KICKER3 B	PX	.004	.004	0	0
118	KICKER2 B	PX	.004	.004	0	0
119	KICKER1 B	PX	.004	.004	0	0
120	KICKER DIAG4 B	PX	.003	.003	0	0
121	KICKER DIAG3 B	PX	.003	.003	0	0
122	KICKER DIAG2 B	PX	.003	.003	0	0
123	KICKER DIAG1 B	PX	.003	.003	0	0
124	FACE2 B	PX	.008	.008	0	0
125	FACE1 B	PX	.008	.008	0	0
126	FACE VERT3 B	PX	.005	.005	0	0
127	FACE VERT2 B	PX	.005	.005	0	0
128	FACE VERT1 B	PX	.005	.005	0	0
129	FACE DIAG2 B	PX	.006	.006	0	0
130	FACE DIAG1 B	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.000208	-.000208	0	0
2	SO2	PY	-.000464	-.000464	0	0
3	SO1	PY	-.000464	-.000464	0	0
4	SO VERT2	PY	-.000406	-.000406	0	0
5	SO VERT1	PY	-.000406	-.000406	0	0
6	SO PIPE	PY	-.000251	-.000251	0	0
7	SO DIAG	PY	-.000406	-.000406	0	0
8	MP ALPHA4	PY	-.0008	-.0008	0	0
9	MP ALPHA3	PY	-.0008	-.0008	0	0
10	MP ALPHA2	PY	-.0008	-.0008	0	0
11	MP ALPHA1	PY	-.0008	-.0008	0	0
12	KICKER4	PY	-.000464	-.000464	0	0
13	KICKER3	PY	-.000464	-.000464	0	0
14	KICKER2	PY	-.000464	-.000464	0	0
15	KICKER1	PY	-.000464	-.000464	0	0
16	KICKER DIAG4	PY	-.000406	-.000406	0	0
17	KICKER DIAG3	PY	-.000406	-.000406	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
18	KICKER DIAG2	PY	-.000406	-.000406	0	0
19	KICKER DIAG1	PY	-.000406	-.000406	0	0
20	FACE2	PY	-.000999	-.000999	0	0
21	FACE1	PY	-.000999	-.000999	0	0
22	FACE VERT3	PY	-.000699	-.000699	0	0
23	FACE VERT2	PY	-.000699	-.000699	0	0
24	FACE VERT1	PY	-.000699	-.000699	0	0
25	FACE DIAG2	PY	-.000799	-.000799	0	0
26	FACE DIAG1	PY	-.000799	-.000799	0	0
27	TIEBACK B	PY	-.000104	-.000104	0	0
28	SO2 B	PY	-.000232	-.000232	0	0
29	SO1 B	PY	-.000232	-.000232	0	0
30	SO VERT2 B	PY	-.000203	-.000203	0	0
31	SO VERT1 B	PY	-.000203	-.000203	0	0
32	SO PIPE B	PY	-.000126	-.000126	0	0
33	SO DIAG B	PY	-.000203	-.000203	0	0
34	MP BETA4	PY	-.0004	-.0004	0	0
35	MP BETA3	PY	-.0004	-.0004	0	0
36	MP BETA2	PY	-.0004	-.0004	0	0
37	MP BETA1	PY	-.0004	-.0004	0	0
38	KICKER4 B	PY	-.000232	-.000232	0	0
39	KICKER3 B	PY	-.000232	-.000232	0	0
40	KICKER2 B	PY	-.000232	-.000232	0	0
41	KICKER1 B	PY	-.000232	-.000232	0	0
42	KICKER DIAG4 B	PY	-.000203	-.000203	0	0
43	KICKER DIAG3 B	PY	-.000203	-.000203	0	0
44	KICKER DIAG2 B	PY	-.000203	-.000203	0	0
45	KICKER DIAG1 B	PY	-.000203	-.000203	0	0
46	FACE2 B	PY	-.0005	-.0005	0	0
47	FACE1 B	PY	-.0005	-.0005	0	0
48	FACE VERT3 B	PY	-.00035	-.00035	0	0
49	FACE VERT2 B	PY	-.00035	-.00035	0	0
50	FACE VERT1 B	PY	-.00035	-.00035	0	0
51	FACE DIAG2 B	PY	-.0004	-.0004	0	0
52	FACE DIAG1 B	PY	-.0004	-.0004	0	0
53	TIEBACK C	PY	-.000104	-.000104	0	0
54	SO2 C	PY	-.000232	-.000232	0	0
55	SO1 C	PY	-.000232	-.000232	0	0
56	SO VERT2 C	PY	-.000203	-.000203	0	0
57	SO VERT1 C	PY	-.000203	-.000203	0	0
58	SO PIPE C	PY	-.000126	-.000126	0	0
59	SO DIAG C	PY	-.000203	-.000203	0	0
60	MP GAMMA4	PY	-.0004	-.0004	0	0
61	MP GAMMA3	PY	-.0004	-.0004	0	0
62	MP GAMMA2	PY	-.0004	-.0004	0	0
63	MP GAMMA1	PY	-.0004	-.0004	0	0
64	KICKER4 C	PY	-.000232	-.000232	0	0
65	KICKER3 C	PY	-.000232	-.000232	0	0
66	KICKER2 C	PY	-.000232	-.000232	0	0
67	KICKER1 C	PY	-.000232	-.000232	0	0
68	KICKER DIAG4 C	PY	-.000203	-.000203	0	0
69	KICKER DIAG3 C	PY	-.000203	-.000203	0	0
70	KICKER DIAG2 C	PY	-.000203	-.000203	0	0
71	KICKER DIAG1 C	PY	-.000203	-.000203	0	0
72	FACE2 C	PY	-.0005	-.0005	0	0
73	FACE1 C	PY	-.0005	-.0005	0	0
74	FACE VERT3 C	PY	-.00035	-.00035	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
75	FACE VERT2 C	PY	-.00035	-.00035	0	0
76	FACE VERT1 C	PY	-.00035	-.00035	0	0
77	FACE DIAG2 C	PY	-.0004	-.0004	0	0
78	FACE DIAG1 C	PY	-.0004	-.0004	0	0
79	TIEBACK B	PX	.00018	.00018	0	0
80	SO2 B	PX	.000402	.000402	0	0
81	SO1 B	PX	.000402	.000402	0	0
82	SO VERT2 B	PX	.000351	.000351	0	0
83	SO VERT1 B	PX	.000351	.000351	0	0
84	SO PIPE B	PX	.000218	.000218	0	0
85	SO DIAG B	PX	.000351	.000351	0	0
86	MP BETA4	PX	.000693	.000693	0	0
87	MP BETA3	PX	.000693	.000693	0	0
88	MP BETA2	PX	.000693	.000693	0	0
89	MP BETA1	PX	.000693	.000693	0	0
90	KICKER4 B	PX	.000402	.000402	0	0
91	KICKER3 B	PX	.000402	.000402	0	0
92	KICKER2 B	PX	.000402	.000402	0	0
93	KICKER1 B	PX	.000402	.000402	0	0
94	KICKER DIAG4 B	PX	.000351	.000351	0	0
95	KICKER DIAG3 B	PX	.000351	.000351	0	0
96	KICKER DIAG2 B	PX	.000351	.000351	0	0
97	KICKER DIAG1 B	PX	.000351	.000351	0	0
98	FACE2 B	PX	.000865	.000865	0	0
99	FACE1 B	PX	.000865	.000865	0	0
100	FACE VERT3 B	PX	.000606	.000606	0	0
101	FACE VERT2 B	PX	.000606	.000606	0	0
102	FACE VERT1 B	PX	.000606	.000606	0	0
103	FACE DIAG2 B	PX	.000692	.000692	0	0
104	FACE DIAG1 B	PX	.000692	.000692	0	0
105	TIEBACK C	PX	-.00018	-.00018	0	0
106	SO2 C	PX	-.000402	-.000402	0	0
107	SO1 C	PX	-.000402	-.000402	0	0
108	SO VERT2 C	PX	-.000351	-.000351	0	0
109	SO VERT1 C	PX	-.000351	-.000351	0	0
110	SO PIPE C	PX	-.000218	-.000218	0	0
111	SO DIAG C	PX	-.000351	-.000351	0	0
112	MP GAMMA4	PX	-.000693	-.000693	0	0
113	MP GAMMA3	PX	-.000693	-.000693	0	0
114	MP GAMMA2	PX	-.000693	-.000693	0	0
115	MP GAMMA1	PX	-.000693	-.000693	0	0
116	KICKER4 C	PX	-.000402	-.000402	0	0
117	KICKER3 C	PX	-.000402	-.000402	0	0
118	KICKER2 C	PX	-.000402	-.000402	0	0
119	KICKER1 C	PX	-.000402	-.000402	0	0
120	KICKER DIAG4 C	PX	-.000351	-.000351	0	0
121	KICKER DIAG3 C	PX	-.000351	-.000351	0	0
122	KICKER DIAG2 C	PX	-.000351	-.000351	0	0
123	KICKER DIAG1 C	PX	-.000351	-.000351	0	0
124	FACE2 C	PX	-.000865	-.000865	0	0
125	FACE1 C	PX	-.000865	-.000865	0	0
126	FACE VERT3 C	PX	-.000606	-.000606	0	0
127	FACE VERT2 C	PX	-.000606	-.000606	0	0
128	FACE VERT1 C	PX	-.000606	-.000606	0	0
129	FACE DIAG2 C	PX	-.000692	-.000692	0	0
130	FACE DIAG1 C	PX	-.000692	-.000692	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.00018	-.00018	0	0
2	SO2	PY	-.000402	-.000402	0	0
3	SO1	PY	-.000402	-.000402	0	0
4	SO VERT2	PY	-.000351	-.000351	0	0
5	SO VERT1	PY	-.000351	-.000351	0	0
6	SO PIPE	PY	-.000218	-.000218	0	0
7	SO DIAG	PY	-.000351	-.000351	0	0
8	MP ALPHA4	PY	-.000693	-.000693	0	0
9	MP ALPHA3	PY	-.000693	-.000693	0	0
10	MP ALPHA2	PY	-.000693	-.000693	0	0
11	MP ALPHA1	PY	-.000693	-.000693	0	0
12	KICKER4	PY	-.000402	-.000402	0	0
13	KICKER3	PY	-.000402	-.000402	0	0
14	KICKER2	PY	-.000402	-.000402	0	0
15	KICKER1	PY	-.000402	-.000402	0	0
16	KICKER DIAG4	PY	-.000351	-.000351	0	0
17	KICKER DIAG3	PY	-.000351	-.000351	0	0
18	KICKER DIAG2	PY	-.000351	-.000351	0	0
19	KICKER DIAG1	PY	-.000351	-.000351	0	0
20	FACE2	PY	-.000865	-.000865	0	0
21	FACE1	PY	-.000865	-.000865	0	0
22	FACE VERT3	PY	-.000606	-.000606	0	0
23	FACE VERT2	PY	-.000606	-.000606	0	0
24	FACE VERT1	PY	-.000606	-.000606	0	0
25	FACE DIAG2	PY	-.000692	-.000692	0	0
26	FACE DIAG1	PY	-.000692	-.000692	0	0
27	TIEBACK B	PX	-.000303	-.000303	0	0
28	SO2 B	PX	-.000464	-.000464	0	0
29	SO1 B	PX	-.000464	-.000464	0	0
30	SO VERT2 B	PX	-.000732	-.000732	0	0
31	SO VERT1 B	PX	-.000732	-.000732	0	0
32	SO PIPE B	PX	-.000734	-.000734	0	0
33	SO DIAG B	PX	-.000406	-.000406	0	0
34	MP BETA4	PX	-.0008	-.0008	0	0
35	MP BETA3	PX	-.0008	-.0008	0	0
36	MP BETA2	PX	-.0008	-.0008	0	0
37	MP BETA1	PX	-.0008	-.0008	0	0
38	KICKER4 B	PX	-.000837	-.000837	0	0
39	KICKER3 B	PX	-.000837	-.000837	0	0
40	KICKER2 B	PX	-.000837	-.000837	0	0
41	KICKER1 B	PX	-.000837	-.000837	0	0
42	KICKER DIAG4 B	PX	-.000732	-.000732	0	0
43	KICKER DIAG3 B	PX	-.000732	-.000732	0	0
44	KICKER DIAG2 B	PX	-.000732	-.000732	0	0
45	KICKER DIAG1 B	PX	-.000732	-.000732	0	0
46	FACE2 B	PX	-.00058	-.00058	0	0
47	FACE1 B	PX	-.00058	-.00058	0	0
48	FACE VERT3 B	PX	-.000406	-.000406	0	0
49	FACE VERT2 B	PX	-.000406	-.000406	0	0
50	FACE VERT1 B	PX	-.000406	-.000406	0	0
51	FACE DIAG2 B	PX	-.000464	-.000464	0	0
52	FACE DIAG1 B	PX	-.000464	-.000464	0	0
53	TIEBACK C	PY	-.00018	-.00018	0	0
54	SO2 C	PY	-.000402	-.000402	0	0
55	SO1 C	PY	-.000402	-.000402	0	0
56	SO VERT2 C	PY	-.000351	-.000351	0	0
57	SO VERT1 C	PY	-.000351	-.000351	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
58	SO PIPE C	PY	-.000218	-.000218	0	0
59	SO DIAG C	PY	-.000351	-.000351	0	0
60	MP GAMMA4	PY	-.000693	-.000693	0	0
61	MP GAMMA3	PY	-.000693	-.000693	0	0
62	MP GAMMA2	PY	-.000693	-.000693	0	0
63	MP GAMMA1	PY	-.000693	-.000693	0	0
64	KICKER4 C	PY	-.000402	-.000402	0	0
65	KICKER3 C	PY	-.000402	-.000402	0	0
66	KICKER2 C	PY	-.000402	-.000402	0	0
67	KICKER1 C	PY	-.000402	-.000402	0	0
68	KICKER DIAG4 C	PY	-.000351	-.000351	0	0
69	KICKER DIAG3 C	PY	-.000351	-.000351	0	0
70	KICKER DIAG2 C	PY	-.000351	-.000351	0	0
71	KICKER DIAG1 C	PY	-.000351	-.000351	0	0
72	FACE2 C	PY	-.000865	-.000865	0	0
73	FACE1 C	PY	-.000865	-.000865	0	0
74	FACE VERT3 C	PY	-.000606	-.000606	0	0
75	FACE VERT2 C	PY	-.000606	-.000606	0	0
76	FACE VERT1 C	PY	-.000606	-.000606	0	0
77	FACE DIAG2 C	PY	-.000692	-.000692	0	0
78	FACE DIAG1 C	PY	-.000692	-.000692	0	0
79	TIEBACK	PX	-.000104	-.000104	0	0
80	SO2	PX	-.000232	-.000232	0	0
81	SO1	PX	-.000232	-.000232	0	0
82	SO VERT2	PX	-.000203	-.000203	0	0
83	SO VERT1	PX	-.000203	-.000203	0	0
84	SO PIPE	PX	-.000126	-.000126	0	0
85	SO DIAG	PX	-.000203	-.000203	0	0
86	MP ALPHA4	PX	-.0004	-.0004	0	0
87	MP ALPHA3	PX	-.0004	-.0004	0	0
88	MP ALPHA2	PX	-.0004	-.0004	0	0
89	MP ALPHA1	PX	-.0004	-.0004	0	0
90	KICKER4	PX	-.000232	-.000232	0	0
91	KICKER3	PX	-.000232	-.000232	0	0
92	KICKER2	PX	-.000232	-.000232	0	0
93	KICKER1	PX	-.000232	-.000232	0	0
94	KICKER DIAG4	PX	-.000203	-.000203	0	0
95	KICKER DIAG3	PX	-.000203	-.000203	0	0
96	KICKER DIAG2	PX	-.000203	-.000203	0	0
97	KICKER DIAG1	PX	-.000203	-.000203	0	0
98	FACE2	PX	-.0005	-.0005	0	0
99	FACE1	PX	-.0005	-.0005	0	0
100	FACE VERT3	PX	-.00035	-.00035	0	0
101	FACE VERT2	PX	-.00035	-.00035	0	0
102	FACE VERT1	PX	-.00035	-.00035	0	0
103	FACE DIAG2	PX	-.0004	-.0004	0	0
104	FACE DIAG1	PX	-.0004	-.0004	0	0
105	TIEBACK C	PX	-.000104	-.000104	0	0
106	SO2 C	PX	-.000232	-.000232	0	0
107	SO1 C	PX	-.000232	-.000232	0	0
108	SO VERT2 C	PX	-.000203	-.000203	0	0
109	SO VERT1 C	PX	-.000203	-.000203	0	0
110	SO PIPE C	PX	-.000126	-.000126	0	0
111	SO DIAG C	PX	-.000203	-.000203	0	0
112	MP GAMMA4	PX	-.0004	-.0004	0	0
113	MP GAMMA3	PX	-.0004	-.0004	0	0
114	MP GAMMA2	PX	-.0004	-.0004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
115	MP GAMMA1	PX	-.0004	-.0004	0	0
116	KICKER4 C	PX	-.000232	-.000232	0	0
117	KICKER3 C	PX	-.000232	-.000232	0	0
118	KICKER2 C	PX	-.000232	-.000232	0	0
119	KICKER1 C	PX	-.000232	-.000232	0	0
120	KICKER DIAG4 C	PX	-.000203	-.000203	0	0
121	KICKER DIAG3 C	PX	-.000203	-.000203	0	0
122	KICKER DIAG2 C	PX	-.000203	-.000203	0	0
123	KICKER DIAG1 C	PX	-.000203	-.000203	0	0
124	FACE2 C	PX	-.0005	-.0005	0	0
125	FACE1 C	PX	-.0005	-.0005	0	0
126	FACE VERT3 C	PX	-.00035	-.00035	0	0
127	FACE VERT2 C	PX	-.00035	-.00035	0	0
128	FACE VERT1 C	PX	-.00035	-.00035	0	0
129	FACE DIAG2 C	PX	-.0004	-.0004	0	0
130	FACE DIAG1 C	PX	-.0004	-.0004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.000104	-.000104	0	0
2	SO2	PY	-.000232	-.000232	0	0
3	SO1	PY	-.000232	-.000232	0	0
4	SO VERT2	PY	-.000203	-.000203	0	0
5	SO VERT1	PY	-.000203	-.000203	0	0
6	SO PIPE	PY	-.000126	-.000126	0	0
7	SO DIAG	PY	-.000203	-.000203	0	0
8	MP ALPHA4	PY	-.0004	-.0004	0	0
9	MP ALPHA3	PY	-.0004	-.0004	0	0
10	MP ALPHA2	PY	-.0004	-.0004	0	0
11	MP ALPHA1	PY	-.0004	-.0004	0	0
12	KICKER4	PY	-.000232	-.000232	0	0
13	KICKER3	PY	-.000232	-.000232	0	0
14	KICKER2	PY	-.000232	-.000232	0	0
15	KICKER1	PY	-.000232	-.000232	0	0
16	KICKER DIAG4	PY	-.000203	-.000203	0	0
17	KICKER DIAG3	PY	-.000203	-.000203	0	0
18	KICKER DIAG2	PY	-.000203	-.000203	0	0
19	KICKER DIAG1	PY	-.000203	-.000203	0	0
20	FACE2	PY	-.0005	-.0005	0	0
21	FACE1	PY	-.0005	-.0005	0	0
22	FACE VERT3	PY	-.00035	-.00035	0	0
23	FACE VERT2	PY	-.00035	-.00035	0	0
24	FACE VERT1	PY	-.00035	-.00035	0	0
25	FACE DIAG2	PY	-.0004	-.0004	0	0
26	FACE DIAG1	PY	-.0004	-.0004	0	0
27	TIEBACK B	PY	-.000104	-.000104	0	0
28	SO2 B	PY	-.000232	-.000232	0	0
29	SO1 B	PY	-.000232	-.000232	0	0
30	SO VERT2 B	PY	-.000203	-.000203	0	0
31	SO VERT1 B	PY	-.000203	-.000203	0	0
32	SO PIPE B	PY	-.000126	-.000126	0	0
33	SO DIAG B	PY	-.000203	-.000203	0	0
34	MP BETA4	PY	-.0004	-.0004	0	0
35	MP BETA3	PY	-.0004	-.0004	0	0
36	MP BETA2	PY	-.0004	-.0004	0	0
37	MP BETA1	PY	-.0004	-.0004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
38	KICKER4 B	PY	-.000232	-.000232	0	0
39	KICKER3 B	PY	-.000232	-.000232	0	0
40	KICKER2 B	PY	-.000232	-.000232	0	0
41	KICKER1 B	PY	-.000232	-.000232	0	0
42	KICKER DIAG4 B	PY	-.000203	-.000203	0	0
43	KICKER DIAG3 B	PY	-.000203	-.000203	0	0
44	KICKER DIAG2 B	PY	-.000203	-.000203	0	0
45	KICKER DIAG1 B	PY	-.000203	-.000203	0	0
46	FACE2 B	PY	-.0005	-.0005	0	0
47	FACE1 B	PY	-.0005	-.0005	0	0
48	FACE VERT3 B	PY	-.00035	-.00035	0	0
49	FACE VERT2 B	PY	-.00035	-.00035	0	0
50	FACE VERT1 B	PY	-.00035	-.00035	0	0
51	FACE DIAG2 B	PY	-.0004	-.0004	0	0
52	FACE DIAG1 B	PY	-.0004	-.0004	0	0
53	TIEBACK C	PY	-.000208	-.000208	0	0
54	SO2 C	PY	-.000464	-.000464	0	0
55	SO1 C	PY	-.000464	-.000464	0	0
56	SO VERT2 C	PY	-.000406	-.000406	0	0
57	SO VERT1 C	PY	-.000406	-.000406	0	0
58	SO PIPE C	PY	-.000251	-.000251	0	0
59	SO DIAG C	PY	-.000406	-.000406	0	0
60	MP GAMMA4	PY	-.0008	-.0008	0	0
61	MP GAMMA3	PY	-.0008	-.0008	0	0
62	MP GAMMA2	PY	-.0008	-.0008	0	0
63	MP GAMMA1	PY	-.0008	-.0008	0	0
64	KICKER4 C	PY	-.000464	-.000464	0	0
65	KICKER3 C	PY	-.000464	-.000464	0	0
66	KICKER2 C	PY	-.000464	-.000464	0	0
67	KICKER1 C	PY	-.000464	-.000464	0	0
68	KICKER DIAG4 C	PY	-.000406	-.000406	0	0
69	KICKER DIAG3 C	PY	-.000406	-.000406	0	0
70	KICKER DIAG2 C	PY	-.000406	-.000406	0	0
71	KICKER DIAG1 C	PY	-.000406	-.000406	0	0
72	FACE2 C	PY	-.000999	-.000999	0	0
73	FACE1 C	PY	-.000999	-.000999	0	0
74	FACE VERT3 C	PY	-.000699	-.000699	0	0
75	FACE VERT2 C	PY	-.000699	-.000699	0	0
76	FACE VERT1 C	PY	-.000699	-.000699	0	0
77	FACE DIAG2 C	PY	-.000799	-.000799	0	0
78	FACE DIAG1 C	PY	-.000799	-.000799	0	0
79	TIEBACK	PX	-.00018	-.00018	0	0
80	SO2	PX	-.000402	-.000402	0	0
81	SO1	PX	-.000402	-.000402	0	0
82	SO VERT2	PX	-.000351	-.000351	0	0
83	SO VERT1	PX	-.000351	-.000351	0	0
84	SO PIPE	PX	-.000218	-.000218	0	0
85	SO DIAG	PX	-.000351	-.000351	0	0
86	MP ALPHA4	PX	-.000693	-.000693	0	0
87	MP ALPHA3	PX	-.000693	-.000693	0	0
88	MP ALPHA2	PX	-.000693	-.000693	0	0
89	MP ALPHA1	PX	-.000693	-.000693	0	0
90	KICKER4	PX	-.000402	-.000402	0	0
91	KICKER3	PX	-.000402	-.000402	0	0
92	KICKER2	PX	-.000402	-.000402	0	0
93	KICKER1	PX	-.000402	-.000402	0	0
94	KICKER DIAG4	PX	-.000351	-.000351	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
95	KICKER DIAG3	PX	-.000351	-.000351	0	0
96	KICKER DIAG2	PX	-.000351	-.000351	0	0
97	KICKER DIAG1	PX	-.000351	-.000351	0	0
98	FACE2	PX	-.000865	-.000865	0	0
99	FACE1	PX	-.000865	-.000865	0	0
100	FACE VERT3	PX	-.000606	-.000606	0	0
101	FACE VERT2	PX	-.000606	-.000606	0	0
102	FACE VERT1	PX	-.000606	-.000606	0	0
103	FACE DIAG2	PX	-.000692	-.000692	0	0
104	FACE DIAG1	PX	-.000692	-.000692	0	0
105	TIEBACK B	PX	-.00018	-.00018	0	0
106	SO2 B	PX	-.000402	-.000402	0	0
107	SO1 B	PX	-.000402	-.000402	0	0
108	SO VERT2 B	PX	-.000351	-.000351	0	0
109	SO VERT1 B	PX	-.000351	-.000351	0	0
110	SO PIPE B	PX	-.000218	-.000218	0	0
111	SO DIAG B	PX	-.000351	-.000351	0	0
112	MP BETA4	PX	-.000693	-.000693	0	0
113	MP BETA3	PX	-.000693	-.000693	0	0
114	MP BETA2	PX	-.000693	-.000693	0	0
115	MP BETA1	PX	-.000693	-.000693	0	0
116	KICKER4 B	PX	-.000402	-.000402	0	0
117	KICKER3 B	PX	-.000402	-.000402	0	0
118	KICKER2 B	PX	-.000402	-.000402	0	0
119	KICKER1 B	PX	-.000402	-.000402	0	0
120	KICKER DIAG4 B	PX	-.000351	-.000351	0	0
121	KICKER DIAG3 B	PX	-.000351	-.000351	0	0
122	KICKER DIAG2 B	PX	-.000351	-.000351	0	0
123	KICKER DIAG1 B	PX	-.000351	-.000351	0	0
124	FACE2 B	PX	-.000865	-.000865	0	0
125	FACE1 B	PX	-.000865	-.000865	0	0
126	FACE VERT3 B	PX	-.000606	-.000606	0	0
127	FACE VERT2 B	PX	-.000606	-.000606	0	0
128	FACE VERT1 B	PX	-.000606	-.000606	0	0
129	FACE DIAG2 B	PX	-.000692	-.000692	0	0
130	FACE DIAG1 B	PX	-.000692	-.000692	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PX	-.000303	-.000303	0	0
2	SO2	PX	-.000464	-.000464	0	0
3	SO1	PX	-.000464	-.000464	0	0
4	SO VERT2	PX	-.000732	-.000732	0	0
5	SO VERT1	PX	-.000732	-.000732	0	0
6	SO PIPE	PX	-.000734	-.000734	0	0
7	SO DIAG	PX	-.000406	-.000406	0	0
8	MP ALPHA4	PX	-.0008	-.0008	0	0
9	MP ALPHA3	PX	-.0008	-.0008	0	0
10	MP ALPHA2	PX	-.0008	-.0008	0	0
11	MP ALPHA1	PX	-.0008	-.0008	0	0
12	KICKER4	PX	-.000837	-.000837	0	0
13	KICKER3	PX	-.000837	-.000837	0	0
14	KICKER2	PX	-.000837	-.000837	0	0
15	KICKER1	PX	-.000837	-.000837	0	0
16	KICKER DIAG4	PX	-.000732	-.000732	0	0
17	KICKER DIAG3	PX	-.000732	-.000732	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
18	KICKER DIAG2	PX	-.000732	-.000732	0	0
19	KICKER DIAG1	PX	-.000732	-.000732	0	0
20	FACE2	PX	-.00058	-.00058	0	0
21	FACE1	PX	-.00058	-.00058	0	0
22	FACE VERT3	PX	-.000406	-.000406	0	0
23	FACE VERT2	PX	-.000406	-.000406	0	0
24	FACE VERT1	PX	-.000406	-.000406	0	0
25	FACE DIAG2	PX	-.000464	-.000464	0	0
26	FACE DIAG1	PX	-.000464	-.000464	0	0
27	TIEBACK B	PY	.00018	.00018	0	0
28	SO2 B	PY	.000402	.000402	0	0
29	SO1 B	PY	.000402	.000402	0	0
30	SO VERT2 B	PY	.000351	.000351	0	0
31	SO VERT1 B	PY	.000351	.000351	0	0
32	SO PIPE B	PY	.000218	.000218	0	0
33	SO DIAG B	PY	.000351	.000351	0	0
34	MP BETA4	PY	.000693	.000693	0	0
35	MP BETA3	PY	.000693	.000693	0	0
36	MP BETA2	PY	.000693	.000693	0	0
37	MP BETA1	PY	.000693	.000693	0	0
38	KICKER4 B	PY	.000402	.000402	0	0
39	KICKER3 B	PY	.000402	.000402	0	0
40	KICKER2 B	PY	.000402	.000402	0	0
41	KICKER1 B	PY	.000402	.000402	0	0
42	KICKER DIAG4 B	PY	.000351	.000351	0	0
43	KICKER DIAG3 B	PY	.000351	.000351	0	0
44	KICKER DIAG2 B	PY	.000351	.000351	0	0
45	KICKER DIAG1 B	PY	.000351	.000351	0	0
46	FACE2 B	PY	.000865	.000865	0	0
47	FACE1 B	PY	.000865	.000865	0	0
48	FACE VERT3 B	PY	.000606	.000606	0	0
49	FACE VERT2 B	PY	.000606	.000606	0	0
50	FACE VERT1 B	PY	.000606	.000606	0	0
51	FACE DIAG2 B	PY	.000692	.000692	0	0
52	FACE DIAG1 B	PY	.000692	.000692	0	0
53	TIEBACK C	PY	-.00018	-.00018	0	0
54	SO2 C	PY	-.000402	-.000402	0	0
55	SO1 C	PY	-.000402	-.000402	0	0
56	SO VERT2 C	PY	-.000351	-.000351	0	0
57	SO VERT1 C	PY	-.000351	-.000351	0	0
58	SO PIPE C	PY	-.000218	-.000218	0	0
59	SO DIAG C	PY	-.000351	-.000351	0	0
60	MP GAMMA4	PY	-.000693	-.000693	0	0
61	MP GAMMA3	PY	-.000693	-.000693	0	0
62	MP GAMMA2	PY	-.000693	-.000693	0	0
63	MP GAMMA1	PY	-.000693	-.000693	0	0
64	KICKER4 C	PY	-.000402	-.000402	0	0
65	KICKER3 C	PY	-.000402	-.000402	0	0
66	KICKER2 C	PY	-.000402	-.000402	0	0
67	KICKER1 C	PY	-.000402	-.000402	0	0
68	KICKER DIAG4 C	PY	-.000351	-.000351	0	0
69	KICKER DIAG3 C	PY	-.000351	-.000351	0	0
70	KICKER DIAG2 C	PY	-.000351	-.000351	0	0
71	KICKER DIAG1 C	PY	-.000351	-.000351	0	0
72	FACE2 C	PY	-.000865	-.000865	0	0
73	FACE1 C	PY	-.000865	-.000865	0	0
74	FACE VERT3 C	PY	-.000606	-.000606	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
75	FACE VERT2 C	PY	-.000606	-.000606	0	0
76	FACE VERT1 C	PY	-.000606	-.000606	0	0
77	FACE DIAG2 C	PY	-.000692	-.000692	0	0
78	FACE DIAG1 C	PY	-.000692	-.000692	0	0
79	TIEBACK B	PX	-.000104	-.000104	0	0
80	SO2 B	PX	-.000232	-.000232	0	0
81	SO1 B	PX	-.000232	-.000232	0	0
82	SO VERT2 B	PX	-.000203	-.000203	0	0
83	SO VERT1 B	PX	-.000203	-.000203	0	0
84	SO PIPE B	PX	-.000126	-.000126	0	0
85	SO DIAG B	PX	-.000203	-.000203	0	0
86	MP BETA4	PX	-.0004	-.0004	0	0
87	MP BETA3	PX	-.0004	-.0004	0	0
88	MP BETA2	PX	-.0004	-.0004	0	0
89	MP BETA1	PX	-.0004	-.0004	0	0
90	KICKER4 B	PX	-.000232	-.000232	0	0
91	KICKER3 B	PX	-.000232	-.000232	0	0
92	KICKER2 B	PX	-.000232	-.000232	0	0
93	KICKER1 B	PX	-.000232	-.000232	0	0
94	KICKER DIAG4 B	PX	-.000203	-.000203	0	0
95	KICKER DIAG3 B	PX	-.000203	-.000203	0	0
96	KICKER DIAG2 B	PX	-.000203	-.000203	0	0
97	KICKER DIAG1 B	PX	-.000203	-.000203	0	0
98	FACE2 B	PX	-.0005	-.0005	0	0
99	FACE1 B	PX	-.0005	-.0005	0	0
100	FACE VERT3 B	PX	-.00035	-.00035	0	0
101	FACE VERT2 B	PX	-.00035	-.00035	0	0
102	FACE VERT1 B	PX	-.00035	-.00035	0	0
103	FACE DIAG2 B	PX	-.0004	-.0004	0	0
104	FACE DIAG1 B	PX	-.0004	-.0004	0	0
105	TIEBACK C	PX	-.000104	-.000104	0	0
106	SO2 C	PX	-.000232	-.000232	0	0
107	SO1 C	PX	-.000232	-.000232	0	0
108	SO VERT2 C	PX	-.000203	-.000203	0	0
109	SO VERT1 C	PX	-.000203	-.000203	0	0
110	SO PIPE C	PX	-.000126	-.000126	0	0
111	SO DIAG C	PX	-.000203	-.000203	0	0
112	MP GAMMA4	PX	-.0004	-.0004	0	0
113	MP GAMMA3	PX	-.0004	-.0004	0	0
114	MP GAMMA2	PX	-.0004	-.0004	0	0
115	MP GAMMA1	PX	-.0004	-.0004	0	0
116	KICKER4 C	PX	-.000232	-.000232	0	0
117	KICKER3 C	PX	-.000232	-.000232	0	0
118	KICKER2 C	PX	-.000232	-.000232	0	0
119	KICKER1 C	PX	-.000232	-.000232	0	0
120	KICKER DIAG4 C	PX	-.000203	-.000203	0	0
121	KICKER DIAG3 C	PX	-.000203	-.000203	0	0
122	KICKER DIAG2 C	PX	-.000203	-.000203	0	0
123	KICKER DIAG1 C	PX	-.000203	-.000203	0	0
124	FACE2 C	PX	-.0005	-.0005	0	0
125	FACE1 C	PX	-.0005	-.0005	0	0
126	FACE VERT3 C	PX	-.00035	-.00035	0	0
127	FACE VERT2 C	PX	-.00035	-.00035	0	0
128	FACE VERT1 C	PX	-.00035	-.00035	0	0
129	FACE DIAG2 C	PX	-.0004	-.0004	0	0
130	FACE DIAG1 C	PX	-.0004	-.0004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.000104	.000104	0	0
2	SO2	PY	.000232	.000232	0	0
3	SO1	PY	.000232	.000232	0	0
4	SO VERT2	PY	.000203	.000203	0	0
5	SO VERT1	PY	.000203	.000203	0	0
6	SO PIPE	PY	.000126	.000126	0	0
7	SO DIAG	PY	.000203	.000203	0	0
8	MP ALPHA4	PY	.0004	.0004	0	0
9	MP ALPHA3	PY	.0004	.0004	0	0
10	MP ALPHA2	PY	.0004	.0004	0	0
11	MP ALPHA1	PY	.0004	.0004	0	0
12	KICKER4	PY	.000232	.000232	0	0
13	KICKER3	PY	.000232	.000232	0	0
14	KICKER2	PY	.000232	.000232	0	0
15	KICKER1	PY	.000232	.000232	0	0
16	KICKER DIAG4	PY	.000203	.000203	0	0
17	KICKER DIAG3	PY	.000203	.000203	0	0
18	KICKER DIAG2	PY	.000203	.000203	0	0
19	KICKER DIAG1	PY	.000203	.000203	0	0
20	FACE2	PY	.0005	.0005	0	0
21	FACE1	PY	.0005	.0005	0	0
22	FACE VERT3	PY	.00035	.00035	0	0
23	FACE VERT2	PY	.00035	.00035	0	0
24	FACE VERT1	PY	.00035	.00035	0	0
25	FACE DIAG2	PY	.0004	.0004	0	0
26	FACE DIAG1	PY	.0004	.0004	0	0
27	TIEBACK B	PY	.000208	.000208	0	0
28	SO2 B	PY	.000464	.000464	0	0
29	SO1 B	PY	.000464	.000464	0	0
30	SO VERT2 B	PY	.000406	.000406	0	0
31	SO VERT1 B	PY	.000406	.000406	0	0
32	SO PIPE B	PY	.000251	.000251	0	0
33	SO DIAG B	PY	.000406	.000406	0	0
34	MP BETA4	PY	.0008	.0008	0	0
35	MP BETA3	PY	.0008	.0008	0	0
36	MP BETA2	PY	.0008	.0008	0	0
37	MP BETA1	PY	.0008	.0008	0	0
38	KICKER4 B	PY	.000464	.000464	0	0
39	KICKER3 B	PY	.000464	.000464	0	0
40	KICKER2 B	PY	.000464	.000464	0	0
41	KICKER1 B	PY	.000464	.000464	0	0
42	KICKER DIAG4 B	PY	.000406	.000406	0	0
43	KICKER DIAG3 B	PY	.000406	.000406	0	0
44	KICKER DIAG2 B	PY	.000406	.000406	0	0
45	KICKER DIAG1 B	PY	.000406	.000406	0	0
46	FACE2 B	PY	.000999	.000999	0	0
47	FACE1 B	PY	.000999	.000999	0	0
48	FACE VERT3 B	PY	.000699	.000699	0	0
49	FACE VERT2 B	PY	.000699	.000699	0	0
50	FACE VERT1 B	PY	.000699	.000699	0	0
51	FACE DIAG2 B	PY	.000799	.000799	0	0
52	FACE DIAG1 B	PY	.000799	.000799	0	0
53	TIEBACK C	PY	.000104	.000104	0	0
54	SO2 C	PY	.000232	.000232	0	0
55	SO1 C	PY	.000232	.000232	0	0
56	SO VERT2 C	PY	.000203	.000203	0	0
57	SO VERT1 C	PY	.000203	.000203	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
58	SO PIPE C	PY	.000126	.000126	0	0
59	SO DIAG C	PY	.000203	.000203	0	0
60	MP GAMMA4	PY	.0004	.0004	0	0
61	MP GAMMA3	PY	.0004	.0004	0	0
62	MP GAMMA2	PY	.0004	.0004	0	0
63	MP GAMMA1	PY	.0004	.0004	0	0
64	KICKER4 C	PY	.000232	.000232	0	0
65	KICKER3 C	PY	.000232	.000232	0	0
66	KICKER2 C	PY	.000232	.000232	0	0
67	KICKER1 C	PY	.000232	.000232	0	0
68	KICKER DIAG4 C	PY	.000203	.000203	0	0
69	KICKER DIAG3 C	PY	.000203	.000203	0	0
70	KICKER DIAG2 C	PY	.000203	.000203	0	0
71	KICKER DIAG1 C	PY	.000203	.000203	0	0
72	FACE2 C	PY	.0005	.0005	0	0
73	FACE1 C	PY	.0005	.0005	0	0
74	FACE VERT3 C	PY	.00035	.00035	0	0
75	FACE VERT2 C	PY	.00035	.00035	0	0
76	FACE VERT1 C	PY	.00035	.00035	0	0
77	FACE DIAG2 C	PY	.0004	.0004	0	0
78	FACE DIAG1 C	PY	.0004	.0004	0	0
79	TIEBACK	PX	-.00018	-.00018	0	0
80	SO2	PX	-.000402	-.000402	0	0
81	SO1	PX	-.000402	-.000402	0	0
82	SO VERT2	PX	-.000351	-.000351	0	0
83	SO VERT1	PX	-.000351	-.000351	0	0
84	SO PIPE	PX	-.000218	-.000218	0	0
85	SO DIAG	PX	-.000351	-.000351	0	0
86	MP ALPHA4	PX	-.000693	-.000693	0	0
87	MP ALPHA3	PX	-.000693	-.000693	0	0
88	MP ALPHA2	PX	-.000693	-.000693	0	0
89	MP ALPHA1	PX	-.000693	-.000693	0	0
90	KICKER4	PX	-.000402	-.000402	0	0
91	KICKER3	PX	-.000402	-.000402	0	0
92	KICKER2	PX	-.000402	-.000402	0	0
93	KICKER1	PX	-.000402	-.000402	0	0
94	KICKER DIAG4	PX	-.000351	-.000351	0	0
95	KICKER DIAG3	PX	-.000351	-.000351	0	0
96	KICKER DIAG2	PX	-.000351	-.000351	0	0
97	KICKER DIAG1	PX	-.000351	-.000351	0	0
98	FACE2	PX	-.000865	-.000865	0	0
99	FACE1	PX	-.000865	-.000865	0	0
100	FACE VERT3	PX	-.000606	-.000606	0	0
101	FACE VERT2	PX	-.000606	-.000606	0	0
102	FACE VERT1	PX	-.000606	-.000606	0	0
103	FACE DIAG2	PX	-.000692	-.000692	0	0
104	FACE DIAG1	PX	-.000692	-.000692	0	0
105	TIEBACK C	PX	-.00018	-.00018	0	0
106	SO2 C	PX	-.000402	-.000402	0	0
107	SO1 C	PX	-.000402	-.000402	0	0
108	SO VERT2 C	PX	-.000351	-.000351	0	0
109	SO VERT1 C	PX	-.000351	-.000351	0	0
110	SO PIPE C	PX	-.000218	-.000218	0	0
111	SO DIAG C	PX	-.000351	-.000351	0	0
112	MP GAMMA4	PX	-.000693	-.000693	0	0
113	MP GAMMA3	PX	-.000693	-.000693	0	0
114	MP GAMMA2	PX	-.000693	-.000693	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
115	MP GAMMA1	PX	-.000693	-.000693	0	0
116	KICKER4 C	PX	-.000402	-.000402	0	0
117	KICKER3 C	PX	-.000402	-.000402	0	0
118	KICKER2 C	PX	-.000402	-.000402	0	0
119	KICKER1 C	PX	-.000402	-.000402	0	0
120	KICKER DIAG4 C	PX	-.000351	-.000351	0	0
121	KICKER DIAG3 C	PX	-.000351	-.000351	0	0
122	KICKER DIAG2 C	PX	-.000351	-.000351	0	0
123	KICKER DIAG1 C	PX	-.000351	-.000351	0	0
124	FACE2 C	PX	-.000865	-.000865	0	0
125	FACE1 C	PX	-.000865	-.000865	0	0
126	FACE VERT3 C	PX	-.000606	-.000606	0	0
127	FACE VERT2 C	PX	-.000606	-.000606	0	0
128	FACE VERT1 C	PX	-.000606	-.000606	0	0
129	FACE DIAG2 C	PX	-.000692	-.000692	0	0
130	FACE DIAG1 C	PX	-.000692	-.000692	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.00018	.00018	0	0
2	SO2	PY	.000402	.000402	0	0
3	SO1	PY	.000402	.000402	0	0
4	SO VERT2	PY	.000351	.000351	0	0
5	SO VERT1	PY	.000351	.000351	0	0
6	SO PIPE	PY	.000218	.000218	0	0
7	SO DIAG	PY	.000351	.000351	0	0
8	MP ALPHA4	PY	.000693	.000693	0	0
9	MP ALPHA3	PY	.000693	.000693	0	0
10	MP ALPHA2	PY	.000693	.000693	0	0
11	MP ALPHA1	PY	.000693	.000693	0	0
12	KICKER4	PY	.000402	.000402	0	0
13	KICKER3	PY	.000402	.000402	0	0
14	KICKER2	PY	.000402	.000402	0	0
15	KICKER1	PY	.000402	.000402	0	0
16	KICKER DIAG4	PY	.000351	.000351	0	0
17	KICKER DIAG3	PY	.000351	.000351	0	0
18	KICKER DIAG2	PY	.000351	.000351	0	0
19	KICKER DIAG1	PY	.000351	.000351	0	0
20	FACE2	PY	.000865	.000865	0	0
21	FACE1	PY	.000865	.000865	0	0
22	FACE VERT3	PY	.000606	.000606	0	0
23	FACE VERT2	PY	.000606	.000606	0	0
24	FACE VERT1	PY	.000606	.000606	0	0
25	FACE DIAG2	PY	.000692	.000692	0	0
26	FACE DIAG1	PY	.000692	.000692	0	0
27	TIEBACK B	PY	.00018	.00018	0	0
28	SO2 B	PY	.000402	.000402	0	0
29	SO1 B	PY	.000402	.000402	0	0
30	SO VERT2 B	PY	.000351	.000351	0	0
31	SO VERT1 B	PY	.000351	.000351	0	0
32	SO PIPE B	PY	.000218	.000218	0	0
33	SO DIAG B	PY	.000351	.000351	0	0
34	MP BETA4	PY	.000693	.000693	0	0
35	MP BETA3	PY	.000693	.000693	0	0
36	MP BETA2	PY	.000693	.000693	0	0
37	MP BETA1	PY	.000693	.000693	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
38	KICKER4 B	PY	.000402	.000402	0	0
39	KICKER3 B	PY	.000402	.000402	0	0
40	KICKER2 B	PY	.000402	.000402	0	0
41	KICKER1 B	PY	.000402	.000402	0	0
42	KICKER DIAG4 B	PY	.000351	.000351	0	0
43	KICKER DIAG3 B	PY	.000351	.000351	0	0
44	KICKER DIAG2 B	PY	.000351	.000351	0	0
45	KICKER DIAG1 B	PY	.000351	.000351	0	0
46	FACE2 B	PY	.000865	.000865	0	0
47	FACE1 B	PY	.000865	.000865	0	0
48	FACE VERT3 B	PY	.000606	.000606	0	0
49	FACE VERT2 B	PY	.000606	.000606	0	0
50	FACE VERT1 B	PY	.000606	.000606	0	0
51	FACE DIAG2 B	PY	.000692	.000692	0	0
52	FACE DIAG1 B	PY	.000692	.000692	0	0
53	TIEBACK C	PX	-.000303	-.000303	0	0
54	SO2 C	PX	-.000464	-.000464	0	0
55	SO1 C	PX	-.000464	-.000464	0	0
56	SO VERT2 C	PX	-.000732	-.000732	0	0
57	SO VERT1 C	PX	-.000732	-.000732	0	0
58	SO PIPE C	PX	-.000734	-.000734	0	0
59	SO DIAG C	PX	-.000406	-.000406	0	0
60	MP GAMMA4	PX	-.0008	-.0008	0	0
61	MP GAMMA3	PX	-.0008	-.0008	0	0
62	MP GAMMA2	PX	-.0008	-.0008	0	0
63	MP GAMMA1	PX	-.0008	-.0008	0	0
64	KICKER4 C	PX	-.000837	-.000837	0	0
65	KICKER3 C	PX	-.000837	-.000837	0	0
66	KICKER2 C	PX	-.000837	-.000837	0	0
67	KICKER1 C	PX	-.000837	-.000837	0	0
68	KICKER DIAG4 C	PX	-.000732	-.000732	0	0
69	KICKER DIAG3 C	PX	-.000732	-.000732	0	0
70	KICKER DIAG2 C	PX	-.000732	-.000732	0	0
71	KICKER DIAG1 C	PX	-.000732	-.000732	0	0
72	FACE2 C	PX	-.00058	-.00058	0	0
73	FACE1 C	PX	-.00058	-.00058	0	0
74	FACE VERT3 C	PX	-.000406	-.000406	0	0
75	FACE VERT2 C	PX	-.000406	-.000406	0	0
76	FACE VERT1 C	PX	-.000406	-.000406	0	0
77	FACE DIAG2 C	PX	-.000464	-.000464	0	0
78	FACE DIAG1 C	PX	-.000464	-.000464	0	0
79	TIEBACK	PX	-.000104	-.000104	0	0
80	SO2	PX	-.000232	-.000232	0	0
81	SO1	PX	-.000232	-.000232	0	0
82	SO VERT2	PX	-.000203	-.000203	0	0
83	SO VERT1	PX	-.000203	-.000203	0	0
84	SO PIPE	PX	-.000126	-.000126	0	0
85	SO DIAG	PX	-.000203	-.000203	0	0
86	MP ALPHA4	PX	-.0004	-.0004	0	0
87	MP ALPHA3	PX	-.0004	-.0004	0	0
88	MP ALPHA2	PX	-.0004	-.0004	0	0
89	MP ALPHA1	PX	-.0004	-.0004	0	0
90	KICKER4	PX	-.000232	-.000232	0	0
91	KICKER3	PX	-.000232	-.000232	0	0
92	KICKER2	PX	-.000232	-.000232	0	0
93	KICKER1	PX	-.000232	-.000232	0	0
94	KICKER DIAG4	PX	-.000203	-.000203	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
95	KICKER DIAG3	PX	-.000203	-.000203	0	0
96	KICKER DIAG2	PX	-.000203	-.000203	0	0
97	KICKER DIAG1	PX	-.000203	-.000203	0	0
98	FACE2	PX	-.0005	-.0005	0	0
99	FACE1	PX	-.0005	-.0005	0	0
100	FACE VERT3	PX	-.00035	-.00035	0	0
101	FACE VERT2	PX	-.00035	-.00035	0	0
102	FACE VERT1	PX	-.00035	-.00035	0	0
103	FACE DIAG2	PX	-.0004	-.0004	0	0
104	FACE DIAG1	PX	-.0004	-.0004	0	0
105	TIEBACK B	PX	-.000104	-.000104	0	0
106	SO2 B	PX	-.000232	-.000232	0	0
107	SO1 B	PX	-.000232	-.000232	0	0
108	SO VERT2 B	PX	-.000203	-.000203	0	0
109	SO VERT1 B	PX	-.000203	-.000203	0	0
110	SO PIPE B	PX	-.000126	-.000126	0	0
111	SO DIAG B	PX	-.000203	-.000203	0	0
112	MP BETA4	PX	-.0004	-.0004	0	0
113	MP BETA3	PX	-.0004	-.0004	0	0
114	MP BETA2	PX	-.0004	-.0004	0	0
115	MP BETA1	PX	-.0004	-.0004	0	0
116	KICKER4 B	PX	-.000232	-.000232	0	0
117	KICKER3 B	PX	-.000232	-.000232	0	0
118	KICKER2 B	PX	-.000232	-.000232	0	0
119	KICKER1 B	PX	-.000232	-.000232	0	0
120	KICKER DIAG4 B	PX	-.000203	-.000203	0	0
121	KICKER DIAG3 B	PX	-.000203	-.000203	0	0
122	KICKER DIAG2 B	PX	-.000203	-.000203	0	0
123	KICKER DIAG1 B	PX	-.000203	-.000203	0	0
124	FACE2 B	PX	-.0005	-.0005	0	0
125	FACE1 B	PX	-.0005	-.0005	0	0
126	FACE VERT3 B	PX	-.00035	-.00035	0	0
127	FACE VERT2 B	PX	-.00035	-.00035	0	0
128	FACE VERT1 B	PX	-.00035	-.00035	0	0
129	FACE DIAG2 B	PX	-.0004	-.0004	0	0
130	FACE DIAG1 B	PX	-.0004	-.0004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.000208	.000208	0	0
2	SO2	PY	.000464	.000464	0	0
3	SO1	PY	.000464	.000464	0	0
4	SO VERT2	PY	.000406	.000406	0	0
5	SO VERT1	PY	.000406	.000406	0	0
6	SO PIPE	PY	.000251	.000251	0	0
7	SO DIAG	PY	.000406	.000406	0	0
8	MP ALPHA4	PY	.0008	.0008	0	0
9	MP ALPHA3	PY	.0008	.0008	0	0
10	MP ALPHA2	PY	.0008	.0008	0	0
11	MP ALPHA1	PY	.0008	.0008	0	0
12	KICKER4	PY	.000464	.000464	0	0
13	KICKER3	PY	.000464	.000464	0	0
14	KICKER2	PY	.000464	.000464	0	0
15	KICKER1	PY	.000464	.000464	0	0
16	KICKER DIAG4	PY	.000406	.000406	0	0
17	KICKER DIAG3	PY	.000406	.000406	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
18	KICKER DIAG2	PY	.000406	.000406	0	0
19	KICKER DIAG1	PY	.000406	.000406	0	0
20	FACE2	PY	.000999	.000999	0	0
21	FACE1	PY	.000999	.000999	0	0
22	FACE VERT3	PY	.000699	.000699	0	0
23	FACE VERT2	PY	.000699	.000699	0	0
24	FACE VERT1	PY	.000699	.000699	0	0
25	FACE DIAG2	PY	.000799	.000799	0	0
26	FACE DIAG1	PY	.000799	.000799	0	0
27	TIEBACK B	PY	.000104	.000104	0	0
28	SO2 B	PY	.000232	.000232	0	0
29	SO1 B	PY	.000232	.000232	0	0
30	SO VERT2 B	PY	.000203	.000203	0	0
31	SO VERT1 B	PY	.000203	.000203	0	0
32	SO PIPE B	PY	.000126	.000126	0	0
33	SO DIAG B	PY	.000203	.000203	0	0
34	MP BETA4	PY	.0004	.0004	0	0
35	MP BETA3	PY	.0004	.0004	0	0
36	MP BETA2	PY	.0004	.0004	0	0
37	MP BETA1	PY	.0004	.0004	0	0
38	KICKER4 B	PY	.000232	.000232	0	0
39	KICKER3 B	PY	.000232	.000232	0	0
40	KICKER2 B	PY	.000232	.000232	0	0
41	KICKER1 B	PY	.000232	.000232	0	0
42	KICKER DIAG4 B	PY	.000203	.000203	0	0
43	KICKER DIAG3 B	PY	.000203	.000203	0	0
44	KICKER DIAG2 B	PY	.000203	.000203	0	0
45	KICKER DIAG1 B	PY	.000203	.000203	0	0
46	FACE2 B	PY	.0005	.0005	0	0
47	FACE1 B	PY	.0005	.0005	0	0
48	FACE VERT3 B	PY	.00035	.00035	0	0
49	FACE VERT2 B	PY	.00035	.00035	0	0
50	FACE VERT1 B	PY	.00035	.00035	0	0
51	FACE DIAG2 B	PY	.0004	.0004	0	0
52	FACE DIAG1 B	PY	.0004	.0004	0	0
53	TIEBACK C	PY	.000104	.000104	0	0
54	SO2 C	PY	.000232	.000232	0	0
55	SO1 C	PY	.000232	.000232	0	0
56	SO VERT2 C	PY	.000203	.000203	0	0
57	SO VERT1 C	PY	.000203	.000203	0	0
58	SO PIPE C	PY	.000126	.000126	0	0
59	SO DIAG C	PY	.000203	.000203	0	0
60	MP GAMMA4	PY	.0004	.0004	0	0
61	MP GAMMA3	PY	.0004	.0004	0	0
62	MP GAMMA2	PY	.0004	.0004	0	0
63	MP GAMMA1	PY	.0004	.0004	0	0
64	KICKER4 C	PY	.000232	.000232	0	0
65	KICKER3 C	PY	.000232	.000232	0	0
66	KICKER2 C	PY	.000232	.000232	0	0
67	KICKER1 C	PY	.000232	.000232	0	0
68	KICKER DIAG4 C	PY	.000203	.000203	0	0
69	KICKER DIAG3 C	PY	.000203	.000203	0	0
70	KICKER DIAG2 C	PY	.000203	.000203	0	0
71	KICKER DIAG1 C	PY	.000203	.000203	0	0
72	FACE2 C	PY	.0005	.0005	0	0
73	FACE1 C	PY	.0005	.0005	0	0
74	FACE VERT3 C	PY	.00035	.00035	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
75	FACE VERT2 C	PY	.00035	.00035	0	0
76	FACE VERT1 C	PY	.00035	.00035	0	0
77	FACE DIAG2 C	PY	.0004	.0004	0	0
78	FACE DIAG1 C	PY	.0004	.0004	0	0
79	TIEBACK B	PX	-.00018	-.00018	0	0
80	SO2 B	PX	-.000402	-.000402	0	0
81	SO1 B	PX	-.000402	-.000402	0	0
82	SO VERT2 B	PX	-.000351	-.000351	0	0
83	SO VERT1 B	PX	-.000351	-.000351	0	0
84	SO PIPE B	PX	-.000218	-.000218	0	0
85	SO DIAG B	PX	-.000351	-.000351	0	0
86	MP BETA4	PX	-.000693	-.000693	0	0
87	MP BETA3	PX	-.000693	-.000693	0	0
88	MP BETA2	PX	-.000693	-.000693	0	0
89	MP BETA1	PX	-.000693	-.000693	0	0
90	KICKER4 B	PX	-.000402	-.000402	0	0
91	KICKER3 B	PX	-.000402	-.000402	0	0
92	KICKER2 B	PX	-.000402	-.000402	0	0
93	KICKER1 B	PX	-.000402	-.000402	0	0
94	KICKER DIAG4 B	PX	-.000351	-.000351	0	0
95	KICKER DIAG3 B	PX	-.000351	-.000351	0	0
96	KICKER DIAG2 B	PX	-.000351	-.000351	0	0
97	KICKER DIAG1 B	PX	-.000351	-.000351	0	0
98	FACE2 B	PX	-.000865	-.000865	0	0
99	FACE1 B	PX	-.000865	-.000865	0	0
100	FACE VERT3 B	PX	-.000606	-.000606	0	0
101	FACE VERT2 B	PX	-.000606	-.000606	0	0
102	FACE VERT1 B	PX	-.000606	-.000606	0	0
103	FACE DIAG2 B	PX	-.000692	-.000692	0	0
104	FACE DIAG1 B	PX	-.000692	-.000692	0	0
105	TIEBACK C	PX	.00018	.00018	0	0
106	SO2 C	PX	.000402	.000402	0	0
107	SO1 C	PX	.000402	.000402	0	0
108	SO VERT2 C	PX	.000351	.000351	0	0
109	SO VERT1 C	PX	.000351	.000351	0	0
110	SO PIPE C	PX	.000218	.000218	0	0
111	SO DIAG C	PX	.000351	.000351	0	0
112	MP GAMMA4	PX	.000693	.000693	0	0
113	MP GAMMA3	PX	.000693	.000693	0	0
114	MP GAMMA2	PX	.000693	.000693	0	0
115	MP GAMMA1	PX	.000693	.000693	0	0
116	KICKER4 C	PX	.000402	.000402	0	0
117	KICKER3 C	PX	.000402	.000402	0	0
118	KICKER2 C	PX	.000402	.000402	0	0
119	KICKER1 C	PX	.000402	.000402	0	0
120	KICKER DIAG4 C	PX	.000351	.000351	0	0
121	KICKER DIAG3 C	PX	.000351	.000351	0	0
122	KICKER DIAG2 C	PX	.000351	.000351	0	0
123	KICKER DIAG1 C	PX	.000351	.000351	0	0
124	FACE2 C	PX	.000865	.000865	0	0
125	FACE1 C	PX	.000865	.000865	0	0
126	FACE VERT3 C	PX	.000606	.000606	0	0
127	FACE VERT2 C	PX	.000606	.000606	0	0
128	FACE VERT1 C	PX	.000606	.000606	0	0
129	FACE DIAG2 C	PX	.000692	.000692	0	0
130	FACE DIAG1 C	PX	.000692	.000692	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.00018	.00018	0	0
2	SO2	PY	.000402	.000402	0	0
3	SO1	PY	.000402	.000402	0	0
4	SO VERT2	PY	.000351	.000351	0	0
5	SO VERT1	PY	.000351	.000351	0	0
6	SO PIPE	PY	.000218	.000218	0	0
7	SO DIAG	PY	.000351	.000351	0	0
8	MP ALPHA4	PY	.000693	.000693	0	0
9	MP ALPHA3	PY	.000693	.000693	0	0
10	MP ALPHA2	PY	.000693	.000693	0	0
11	MP ALPHA1	PY	.000693	.000693	0	0
12	KICKER4	PY	.000402	.000402	0	0
13	KICKER3	PY	.000402	.000402	0	0
14	KICKER2	PY	.000402	.000402	0	0
15	KICKER1	PY	.000402	.000402	0	0
16	KICKER DIAG4	PY	.000351	.000351	0	0
17	KICKER DIAG3	PY	.000351	.000351	0	0
18	KICKER DIAG2	PY	.000351	.000351	0	0
19	KICKER DIAG1	PY	.000351	.000351	0	0
20	FACE2	PY	.000865	.000865	0	0
21	FACE1	PY	.000865	.000865	0	0
22	FACE VERT3	PY	.000606	.000606	0	0
23	FACE VERT2	PY	.000606	.000606	0	0
24	FACE VERT1	PY	.000606	.000606	0	0
25	FACE DIAG2	PY	.000692	.000692	0	0
26	FACE DIAG1	PY	.000692	.000692	0	0
27	TIEBACK B	PX	.000303	.000303	0	0
28	SO2 B	PX	.000464	.000464	0	0
29	SO1 B	PX	.000464	.000464	0	0
30	SO VERT2 B	PX	.000732	.000732	0	0
31	SO VERT1 B	PX	.000732	.000732	0	0
32	SO PIPE B	PX	.000734	.000734	0	0
33	SO DIAG B	PX	.000406	.000406	0	0
34	MP BETA4	PX	.0008	.0008	0	0
35	MP BETA3	PX	.0008	.0008	0	0
36	MP BETA2	PX	.0008	.0008	0	0
37	MP BETA1	PX	.0008	.0008	0	0
38	KICKER4 B	PX	.000837	.000837	0	0
39	KICKER3 B	PX	.000837	.000837	0	0
40	KICKER2 B	PX	.000837	.000837	0	0
41	KICKER1 B	PX	.000837	.000837	0	0
42	KICKER DIAG4 B	PX	.000732	.000732	0	0
43	KICKER DIAG3 B	PX	.000732	.000732	0	0
44	KICKER DIAG2 B	PX	.000732	.000732	0	0
45	KICKER DIAG1 B	PX	.000732	.000732	0	0
46	FACE2 B	PX	.00058	.00058	0	0
47	FACE1 B	PX	.00058	.00058	0	0
48	FACE VERT3 B	PX	.000406	.000406	0	0
49	FACE VERT2 B	PX	.000406	.000406	0	0
50	FACE VERT1 B	PX	.000406	.000406	0	0
51	FACE DIAG2 B	PX	.000464	.000464	0	0
52	FACE DIAG1 B	PX	.000464	.000464	0	0
53	TIEBACK C	PY	.00018	.00018	0	0
54	SO2 C	PY	.000402	.000402	0	0
55	SO1 C	PY	.000402	.000402	0	0
56	SO VERT2 C	PY	.000351	.000351	0	0
57	SO VERT1 C	PY	.000351	.000351	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
58	SO PIPE C	PY	.000218	.000218	0	0
59	SO DIAG C	PY	.000351	.000351	0	0
60	MP GAMMA4	PY	.000693	.000693	0	0
61	MP GAMMA3	PY	.000693	.000693	0	0
62	MP GAMMA2	PY	.000693	.000693	0	0
63	MP GAMMA1	PY	.000693	.000693	0	0
64	KICKER4 C	PY	.000402	.000402	0	0
65	KICKER3 C	PY	.000402	.000402	0	0
66	KICKER2 C	PY	.000402	.000402	0	0
67	KICKER1 C	PY	.000402	.000402	0	0
68	KICKER DIAG4 C	PY	.000351	.000351	0	0
69	KICKER DIAG3 C	PY	.000351	.000351	0	0
70	KICKER DIAG2 C	PY	.000351	.000351	0	0
71	KICKER DIAG1 C	PY	.000351	.000351	0	0
72	FACE2 C	PY	.000865	.000865	0	0
73	FACE1 C	PY	.000865	.000865	0	0
74	FACE VERT3 C	PY	.000606	.000606	0	0
75	FACE VERT2 C	PY	.000606	.000606	0	0
76	FACE VERT1 C	PY	.000606	.000606	0	0
77	FACE DIAG2 C	PY	.000692	.000692	0	0
78	FACE DIAG1 C	PY	.000692	.000692	0	0
79	TIEBACK	PX	.000104	.000104	0	0
80	SO2	PX	.000232	.000232	0	0
81	SO1	PX	.000232	.000232	0	0
82	SO VERT2	PX	.000203	.000203	0	0
83	SO VERT1	PX	.000203	.000203	0	0
84	SO PIPE	PX	.000126	.000126	0	0
85	SO DIAG	PX	.000203	.000203	0	0
86	MP ALPHA4	PX	.0004	.0004	0	0
87	MP ALPHA3	PX	.0004	.0004	0	0
88	MP ALPHA2	PX	.0004	.0004	0	0
89	MP ALPHA1	PX	.0004	.0004	0	0
90	KICKER4	PX	.000232	.000232	0	0
91	KICKER3	PX	.000232	.000232	0	0
92	KICKER2	PX	.000232	.000232	0	0
93	KICKER1	PX	.000232	.000232	0	0
94	KICKER DIAG4	PX	.000203	.000203	0	0
95	KICKER DIAG3	PX	.000203	.000203	0	0
96	KICKER DIAG2	PX	.000203	.000203	0	0
97	KICKER DIAG1	PX	.000203	.000203	0	0
98	FACE2	PX	.0005	.0005	0	0
99	FACE1	PX	.0005	.0005	0	0
100	FACE VERT3	PX	.00035	.00035	0	0
101	FACE VERT2	PX	.00035	.00035	0	0
102	FACE VERT1	PX	.00035	.00035	0	0
103	FACE DIAG2	PX	.0004	.0004	0	0
104	FACE DIAG1	PX	.0004	.0004	0	0
105	TIEBACK C	PX	.000104	.000104	0	0
106	SO2 C	PX	.000232	.000232	0	0
107	SO1 C	PX	.000232	.000232	0	0
108	SO VERT2 C	PX	.000203	.000203	0	0
109	SO VERT1 C	PX	.000203	.000203	0	0
110	SO PIPE C	PX	.000126	.000126	0	0
111	SO DIAG C	PX	.000203	.000203	0	0
112	MP GAMMA4	PX	.0004	.0004	0	0
113	MP GAMMA3	PX	.0004	.0004	0	0
114	MP GAMMA2	PX	.0004	.0004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
115	MP GAMMA1	PX	.0004	.0004	0	0
116	KICKER4 C	PX	.000232	.000232	0	0
117	KICKER3 C	PX	.000232	.000232	0	0
118	KICKER2 C	PX	.000232	.000232	0	0
119	KICKER1 C	PX	.000232	.000232	0	0
120	KICKER DIAG4 C	PX	.000203	.000203	0	0
121	KICKER DIAG3 C	PX	.000203	.000203	0	0
122	KICKER DIAG2 C	PX	.000203	.000203	0	0
123	KICKER DIAG1 C	PX	.000203	.000203	0	0
124	FACE2 C	PX	.0005	.0005	0	0
125	FACE1 C	PX	.0005	.0005	0	0
126	FACE VERT3 C	PX	.00035	.00035	0	0
127	FACE VERT2 C	PX	.00035	.00035	0	0
128	FACE VERT1 C	PX	.00035	.00035	0	0
129	FACE DIAG2 C	PX	.0004	.0004	0	0
130	FACE DIAG1 C	PX	.0004	.0004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.000104	.000104	0	0
2	SO2	PY	.000232	.000232	0	0
3	SO1	PY	.000232	.000232	0	0
4	SO VERT2	PY	.000203	.000203	0	0
5	SO VERT1	PY	.000203	.000203	0	0
6	SO PIPE	PY	.000126	.000126	0	0
7	SO DIAG	PY	.000203	.000203	0	0
8	MP ALPHA4	PY	.0004	.0004	0	0
9	MP ALPHA3	PY	.0004	.0004	0	0
10	MP ALPHA2	PY	.0004	.0004	0	0
11	MP ALPHA1	PY	.0004	.0004	0	0
12	KICKER4	PY	.000232	.000232	0	0
13	KICKER3	PY	.000232	.000232	0	0
14	KICKER2	PY	.000232	.000232	0	0
15	KICKER1	PY	.000232	.000232	0	0
16	KICKER DIAG4	PY	.000203	.000203	0	0
17	KICKER DIAG3	PY	.000203	.000203	0	0
18	KICKER DIAG2	PY	.000203	.000203	0	0
19	KICKER DIAG1	PY	.000203	.000203	0	0
20	FACE2	PY	.0005	.0005	0	0
21	FACE1	PY	.0005	.0005	0	0
22	FACE VERT3	PY	.00035	.00035	0	0
23	FACE VERT2	PY	.00035	.00035	0	0
24	FACE VERT1	PY	.00035	.00035	0	0
25	FACE DIAG2	PY	.0004	.0004	0	0
26	FACE DIAG1	PY	.0004	.0004	0	0
27	TIEBACK B	PY	.000104	.000104	0	0
28	SO2 B	PY	.000232	.000232	0	0
29	SO1 B	PY	.000232	.000232	0	0
30	SO VERT2 B	PY	.000203	.000203	0	0
31	SO VERT1 B	PY	.000203	.000203	0	0
32	SO PIPE B	PY	.000126	.000126	0	0
33	SO DIAG B	PY	.000203	.000203	0	0
34	MP BETA4	PY	.0004	.0004	0	0
35	MP BETA3	PY	.0004	.0004	0	0
36	MP BETA2	PY	.0004	.0004	0	0
37	MP BETA1	PY	.0004	.0004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
38	KICKER4 B	PY	.000232	.000232	0	0
39	KICKER3 B	PY	.000232	.000232	0	0
40	KICKER2 B	PY	.000232	.000232	0	0
41	KICKER1 B	PY	.000232	.000232	0	0
42	KICKER DIAG4 B	PY	.000203	.000203	0	0
43	KICKER DIAG3 B	PY	.000203	.000203	0	0
44	KICKER DIAG2 B	PY	.000203	.000203	0	0
45	KICKER DIAG1 B	PY	.000203	.000203	0	0
46	FACE2 B	PY	.0005	.0005	0	0
47	FACE1 B	PY	.0005	.0005	0	0
48	FACE VERT3 B	PY	.00035	.00035	0	0
49	FACE VERT2 B	PY	.00035	.00035	0	0
50	FACE VERT1 B	PY	.00035	.00035	0	0
51	FACE DIAG2 B	PY	.0004	.0004	0	0
52	FACE DIAG1 B	PY	.0004	.0004	0	0
53	TIEBACK C	PY	.000208	.000208	0	0
54	SO2 C	PY	.000464	.000464	0	0
55	SO1 C	PY	.000464	.000464	0	0
56	SO VERT2 C	PY	.000406	.000406	0	0
57	SO VERT1 C	PY	.000406	.000406	0	0
58	SO PIPE C	PY	.000251	.000251	0	0
59	SO DIAG C	PY	.000406	.000406	0	0
60	MP GAMMA4	PY	.0008	.0008	0	0
61	MP GAMMA3	PY	.0008	.0008	0	0
62	MP GAMMA2	PY	.0008	.0008	0	0
63	MP GAMMA1	PY	.0008	.0008	0	0
64	KICKER4 C	PY	.000464	.000464	0	0
65	KICKER3 C	PY	.000464	.000464	0	0
66	KICKER2 C	PY	.000464	.000464	0	0
67	KICKER1 C	PY	.000464	.000464	0	0
68	KICKER DIAG4 C	PY	.000406	.000406	0	0
69	KICKER DIAG3 C	PY	.000406	.000406	0	0
70	KICKER DIAG2 C	PY	.000406	.000406	0	0
71	KICKER DIAG1 C	PY	.000406	.000406	0	0
72	FACE2 C	PY	.000999	.000999	0	0
73	FACE1 C	PY	.000999	.000999	0	0
74	FACE VERT3 C	PY	.000699	.000699	0	0
75	FACE VERT2 C	PY	.000699	.000699	0	0
76	FACE VERT1 C	PY	.000699	.000699	0	0
77	FACE DIAG2 C	PY	.000799	.000799	0	0
78	FACE DIAG1 C	PY	.000799	.000799	0	0
79	TIEBACK	PX	.00018	.00018	0	0
80	SO2	PX	.000402	.000402	0	0
81	SO1	PX	.000402	.000402	0	0
82	SO VERT2	PX	.000351	.000351	0	0
83	SO VERT1	PX	.000351	.000351	0	0
84	SO PIPE	PX	.000218	.000218	0	0
85	SO DIAG	PX	.000351	.000351	0	0
86	MP ALPHA4	PX	.000693	.000693	0	0
87	MP ALPHA3	PX	.000693	.000693	0	0
88	MP ALPHA2	PX	.000693	.000693	0	0
89	MP ALPHA1	PX	.000693	.000693	0	0
90	KICKER4	PX	.000402	.000402	0	0
91	KICKER3	PX	.000402	.000402	0	0
92	KICKER2	PX	.000402	.000402	0	0
93	KICKER1	PX	.000402	.000402	0	0
94	KICKER DIAG4	PX	.000351	.000351	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
95	KICKER DIAG3	PX	.000351	.000351	0	0
96	KICKER DIAG2	PX	.000351	.000351	0	0
97	KICKER DIAG1	PX	.000351	.000351	0	0
98	FACE2	PX	.000865	.000865	0	0
99	FACE1	PX	.000865	.000865	0	0
100	FACE VERT3	PX	.000606	.000606	0	0
101	FACE VERT2	PX	.000606	.000606	0	0
102	FACE VERT1	PX	.000606	.000606	0	0
103	FACE DIAG2	PX	.000692	.000692	0	0
104	FACE DIAG1	PX	.000692	.000692	0	0
105	TIEBACK B	PX	.00018	.00018	0	0
106	SO2 B	PX	.000402	.000402	0	0
107	SO1 B	PX	.000402	.000402	0	0
108	SO VERT2 B	PX	.000351	.000351	0	0
109	SO VERT1 B	PX	.000351	.000351	0	0
110	SO PIPE B	PX	.000218	.000218	0	0
111	SO DIAG B	PX	.000351	.000351	0	0
112	MP BETA4	PX	.000693	.000693	0	0
113	MP BETA3	PX	.000693	.000693	0	0
114	MP BETA2	PX	.000693	.000693	0	0
115	MP BETA1	PX	.000693	.000693	0	0
116	KICKER4 B	PX	.000402	.000402	0	0
117	KICKER3 B	PX	.000402	.000402	0	0
118	KICKER2 B	PX	.000402	.000402	0	0
119	KICKER1 B	PX	.000402	.000402	0	0
120	KICKER DIAG4 B	PX	.000351	.000351	0	0
121	KICKER DIAG3 B	PX	.000351	.000351	0	0
122	KICKER DIAG2 B	PX	.000351	.000351	0	0
123	KICKER DIAG1 B	PX	.000351	.000351	0	0
124	FACE2 B	PX	.000865	.000865	0	0
125	FACE1 B	PX	.000865	.000865	0	0
126	FACE VERT3 B	PX	.000606	.000606	0	0
127	FACE VERT2 B	PX	.000606	.000606	0	0
128	FACE VERT1 B	PX	.000606	.000606	0	0
129	FACE DIAG2 B	PX	.000692	.000692	0	0
130	FACE DIAG1 B	PX	.000692	.000692	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PX	.000303	.000303	0	0
2	SO2	PX	.000464	.000464	0	0
3	SO1	PX	.000464	.000464	0	0
4	SO VERT2	PX	.000732	.000732	0	0
5	SO VERT1	PX	.000732	.000732	0	0
6	SO PIPE	PX	.000734	.000734	0	0
7	SO DIAG	PX	.000406	.000406	0	0
8	MP ALPHA4	PX	.0008	.0008	0	0
9	MP ALPHA3	PX	.0008	.0008	0	0
10	MP ALPHA2	PX	.0008	.0008	0	0
11	MP ALPHA1	PX	.0008	.0008	0	0
12	KICKER4	PX	.000837	.000837	0	0
13	KICKER3	PX	.000837	.000837	0	0
14	KICKER2	PX	.000837	.000837	0	0
15	KICKER1	PX	.000837	.000837	0	0
16	KICKER DIAG4	PX	.000732	.000732	0	0
17	KICKER DIAG3	PX	.000732	.000732	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
18	KICKER DIAG2	PX	.000732	.000732	0	0
19	KICKER DIAG1	PX	.000732	.000732	0	0
20	FACE2	PX	.00058	.00058	0	0
21	FACE1	PX	.00058	.00058	0	0
22	FACE VERT3	PX	.000406	.000406	0	0
23	FACE VERT2	PX	.000406	.000406	0	0
24	FACE VERT1	PX	.000406	.000406	0	0
25	FACE DIAG2	PX	.000464	.000464	0	0
26	FACE DIAG1	PX	.000464	.000464	0	0
27	TIEBACK B	PY	-.00018	-.00018	0	0
28	SO2 B	PY	-.000402	-.000402	0	0
29	SO1 B	PY	-.000402	-.000402	0	0
30	SO VERT2 B	PY	-.000351	-.000351	0	0
31	SO VERT1 B	PY	-.000351	-.000351	0	0
32	SO PIPE B	PY	-.000218	-.000218	0	0
33	SO DIAG B	PY	-.000351	-.000351	0	0
34	MP BETA4	PY	-.000693	-.000693	0	0
35	MP BETA3	PY	-.000693	-.000693	0	0
36	MP BETA2	PY	-.000693	-.000693	0	0
37	MP BETA1	PY	-.000693	-.000693	0	0
38	KICKER4 B	PY	-.000402	-.000402	0	0
39	KICKER3 B	PY	-.000402	-.000402	0	0
40	KICKER2 B	PY	-.000402	-.000402	0	0
41	KICKER1 B	PY	-.000402	-.000402	0	0
42	KICKER DIAG4 B	PY	-.000351	-.000351	0	0
43	KICKER DIAG3 B	PY	-.000351	-.000351	0	0
44	KICKER DIAG2 B	PY	-.000351	-.000351	0	0
45	KICKER DIAG1 B	PY	-.000351	-.000351	0	0
46	FACE2 B	PY	-.000865	-.000865	0	0
47	FACE1 B	PY	-.000865	-.000865	0	0
48	FACE VERT3 B	PY	-.000606	-.000606	0	0
49	FACE VERT2 B	PY	-.000606	-.000606	0	0
50	FACE VERT1 B	PY	-.000606	-.000606	0	0
51	FACE DIAG2 B	PY	-.000692	-.000692	0	0
52	FACE DIAG1 B	PY	-.000692	-.000692	0	0
53	TIEBACK C	PY	.00018	.00018	0	0
54	SO2 C	PY	.000402	.000402	0	0
55	SO1 C	PY	.000402	.000402	0	0
56	SO VERT2 C	PY	.000351	.000351	0	0
57	SO VERT1 C	PY	.000351	.000351	0	0
58	SO PIPE C	PY	.000218	.000218	0	0
59	SO DIAG C	PY	.000351	.000351	0	0
60	MP GAMMA4	PY	.000693	.000693	0	0
61	MP GAMMA3	PY	.000693	.000693	0	0
62	MP GAMMA2	PY	.000693	.000693	0	0
63	MP GAMMA1	PY	.000693	.000693	0	0
64	KICKER4 C	PY	.000402	.000402	0	0
65	KICKER3 C	PY	.000402	.000402	0	0
66	KICKER2 C	PY	.000402	.000402	0	0
67	KICKER1 C	PY	.000402	.000402	0	0
68	KICKER DIAG4 C	PY	.000351	.000351	0	0
69	KICKER DIAG3 C	PY	.000351	.000351	0	0
70	KICKER DIAG2 C	PY	.000351	.000351	0	0
71	KICKER DIAG1 C	PY	.000351	.000351	0	0
72	FACE2 C	PY	.000865	.000865	0	0
73	FACE1 C	PY	.000865	.000865	0	0
74	FACE VERT3 C	PY	.000606	.000606	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
75	FACE VERT2 C	PY	.000606	.000606	0	0
76	FACE VERT1 C	PY	.000606	.000606	0	0
77	FACE DIAG2 C	PY	.000692	.000692	0	0
78	FACE DIAG1 C	PY	.000692	.000692	0	0
79	TIEBACK B	PX	.000104	.000104	0	0
80	SO2 B	PX	.000232	.000232	0	0
81	SO1 B	PX	.000232	.000232	0	0
82	SO VERT2 B	PX	.000203	.000203	0	0
83	SO VERT1 B	PX	.000203	.000203	0	0
84	SO PIPE B	PX	.000126	.000126	0	0
85	SO DIAG B	PX	.000203	.000203	0	0
86	MP BETA4	PX	.0004	.0004	0	0
87	MP BETA3	PX	.0004	.0004	0	0
88	MP BETA2	PX	.0004	.0004	0	0
89	MP BETA1	PX	.0004	.0004	0	0
90	KICKER4 B	PX	.000232	.000232	0	0
91	KICKER3 B	PX	.000232	.000232	0	0
92	KICKER2 B	PX	.000232	.000232	0	0
93	KICKER1 B	PX	.000232	.000232	0	0
94	KICKER DIAG4 B	PX	.000203	.000203	0	0
95	KICKER DIAG3 B	PX	.000203	.000203	0	0
96	KICKER DIAG2 B	PX	.000203	.000203	0	0
97	KICKER DIAG1 B	PX	.000203	.000203	0	0
98	FACE2 B	PX	.0005	.0005	0	0
99	FACE1 B	PX	.0005	.0005	0	0
100	FACE VERT3 B	PX	.00035	.00035	0	0
101	FACE VERT2 B	PX	.00035	.00035	0	0
102	FACE VERT1 B	PX	.00035	.00035	0	0
103	FACE DIAG2 B	PX	.0004	.0004	0	0
104	FACE DIAG1 B	PX	.0004	.0004	0	0
105	TIEBACK C	PX	.000104	.000104	0	0
106	SO2 C	PX	.000232	.000232	0	0
107	SO1 C	PX	.000232	.000232	0	0
108	SO VERT2 C	PX	.000203	.000203	0	0
109	SO VERT1 C	PX	.000203	.000203	0	0
110	SO PIPE C	PX	.000126	.000126	0	0
111	SO DIAG C	PX	.000203	.000203	0	0
112	MP GAMMA4	PX	.0004	.0004	0	0
113	MP GAMMA3	PX	.0004	.0004	0	0
114	MP GAMMA2	PX	.0004	.0004	0	0
115	MP GAMMA1	PX	.0004	.0004	0	0
116	KICKER4 C	PX	.000232	.000232	0	0
117	KICKER3 C	PX	.000232	.000232	0	0
118	KICKER2 C	PX	.000232	.000232	0	0
119	KICKER1 C	PX	.000232	.000232	0	0
120	KICKER DIAG4 C	PX	.000203	.000203	0	0
121	KICKER DIAG3 C	PX	.000203	.000203	0	0
122	KICKER DIAG2 C	PX	.000203	.000203	0	0
123	KICKER DIAG1 C	PX	.000203	.000203	0	0
124	FACE2 C	PX	.0005	.0005	0	0
125	FACE1 C	PX	.0005	.0005	0	0
126	FACE VERT3 C	PX	.00035	.00035	0	0
127	FACE VERT2 C	PX	.00035	.00035	0	0
128	FACE VERT1 C	PX	.00035	.00035	0	0
129	FACE DIAG2 C	PX	.0004	.0004	0	0
130	FACE DIAG1 C	PX	.0004	.0004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.000104	-.000104	0	0
2	SO2	PY	-.000232	-.000232	0	0
3	SO1	PY	-.000232	-.000232	0	0
4	SO VERT2	PY	-.000203	-.000203	0	0
5	SO VERT1	PY	-.000203	-.000203	0	0
6	SO PIPE	PY	-.000126	-.000126	0	0
7	SO DIAG	PY	-.000203	-.000203	0	0
8	MP ALPHA4	PY	-.0004	-.0004	0	0
9	MP ALPHA3	PY	-.0004	-.0004	0	0
10	MP ALPHA2	PY	-.0004	-.0004	0	0
11	MP ALPHA1	PY	-.0004	-.0004	0	0
12	KICKER4	PY	-.000232	-.000232	0	0
13	KICKER3	PY	-.000232	-.000232	0	0
14	KICKER2	PY	-.000232	-.000232	0	0
15	KICKER1	PY	-.000232	-.000232	0	0
16	KICKER DIAG4	PY	-.000203	-.000203	0	0
17	KICKER DIAG3	PY	-.000203	-.000203	0	0
18	KICKER DIAG2	PY	-.000203	-.000203	0	0
19	KICKER DIAG1	PY	-.000203	-.000203	0	0
20	FACE2	PY	-.0005	-.0005	0	0
21	FACE1	PY	-.0005	-.0005	0	0
22	FACE VERT3	PY	-.00035	-.00035	0	0
23	FACE VERT2	PY	-.00035	-.00035	0	0
24	FACE VERT1	PY	-.00035	-.00035	0	0
25	FACE DIAG2	PY	-.0004	-.0004	0	0
26	FACE DIAG1	PY	-.0004	-.0004	0	0
27	TIEBACK B	PY	-.000208	-.000208	0	0
28	SO2 B	PY	-.000464	-.000464	0	0
29	SO1 B	PY	-.000464	-.000464	0	0
30	SO VERT2 B	PY	-.000406	-.000406	0	0
31	SO VERT1 B	PY	-.000406	-.000406	0	0
32	SO PIPE B	PY	-.000251	-.000251	0	0
33	SO DIAG B	PY	-.000406	-.000406	0	0
34	MP BETA4	PY	-.0008	-.0008	0	0
35	MP BETA3	PY	-.0008	-.0008	0	0
36	MP BETA2	PY	-.0008	-.0008	0	0
37	MP BETA1	PY	-.0008	-.0008	0	0
38	KICKER4 B	PY	-.000464	-.000464	0	0
39	KICKER3 B	PY	-.000464	-.000464	0	0
40	KICKER2 B	PY	-.000464	-.000464	0	0
41	KICKER1 B	PY	-.000464	-.000464	0	0
42	KICKER DIAG4 B	PY	-.000406	-.000406	0	0
43	KICKER DIAG3 B	PY	-.000406	-.000406	0	0
44	KICKER DIAG2 B	PY	-.000406	-.000406	0	0
45	KICKER DIAG1 B	PY	-.000406	-.000406	0	0
46	FACE2 B	PY	-.000999	-.000999	0	0
47	FACE1 B	PY	-.000999	-.000999	0	0
48	FACE VERT3 B	PY	-.000699	-.000699	0	0
49	FACE VERT2 B	PY	-.000699	-.000699	0	0
50	FACE VERT1 B	PY	-.000699	-.000699	0	0
51	FACE DIAG2 B	PY	-.000799	-.000799	0	0
52	FACE DIAG1 B	PY	-.000799	-.000799	0	0
53	TIEBACK C	PY	-.000104	-.000104	0	0
54	SO2 C	PY	-.000232	-.000232	0	0
55	SO1 C	PY	-.000232	-.000232	0	0
56	SO VERT2 C	PY	-.000203	-.000203	0	0
57	SO VERT1 C	PY	-.000203	-.000203	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
58	SO PIPE C	PY	-.000126	-.000126	0	0
59	SO DIAG C	PY	-.000203	-.000203	0	0
60	MP GAMMA4	PY	-.0004	-.0004	0	0
61	MP GAMMA3	PY	-.0004	-.0004	0	0
62	MP GAMMA2	PY	-.0004	-.0004	0	0
63	MP GAMMA1	PY	-.0004	-.0004	0	0
64	KICKER4 C	PY	-.000232	-.000232	0	0
65	KICKER3 C	PY	-.000232	-.000232	0	0
66	KICKER2 C	PY	-.000232	-.000232	0	0
67	KICKER1 C	PY	-.000232	-.000232	0	0
68	KICKER DIAG4 C	PY	-.000203	-.000203	0	0
69	KICKER DIAG3 C	PY	-.000203	-.000203	0	0
70	KICKER DIAG2 C	PY	-.000203	-.000203	0	0
71	KICKER DIAG1 C	PY	-.000203	-.000203	0	0
72	FACE2 C	PY	-.0005	-.0005	0	0
73	FACE1 C	PY	-.0005	-.0005	0	0
74	FACE VERT3 C	PY	-.00035	-.00035	0	0
75	FACE VERT2 C	PY	-.00035	-.00035	0	0
76	FACE VERT1 C	PY	-.00035	-.00035	0	0
77	FACE DIAG2 C	PY	-.0004	-.0004	0	0
78	FACE DIAG1 C	PY	-.0004	-.0004	0	0
79	TIEBACK	PX	.00018	.00018	0	0
80	SO2	PX	.000402	.000402	0	0
81	SO1	PX	.000402	.000402	0	0
82	SO VERT2	PX	.000351	.000351	0	0
83	SO VERT1	PX	.000351	.000351	0	0
84	SO PIPE	PX	.000218	.000218	0	0
85	SO DIAG	PX	.000351	.000351	0	0
86	MP ALPHA4	PX	.000693	.000693	0	0
87	MP ALPHA3	PX	.000693	.000693	0	0
88	MP ALPHA2	PX	.000693	.000693	0	0
89	MP ALPHA1	PX	.000693	.000693	0	0
90	KICKER4	PX	.000402	.000402	0	0
91	KICKER3	PX	.000402	.000402	0	0
92	KICKER2	PX	.000402	.000402	0	0
93	KICKER1	PX	.000402	.000402	0	0
94	KICKER DIAG4	PX	.000351	.000351	0	0
95	KICKER DIAG3	PX	.000351	.000351	0	0
96	KICKER DIAG2	PX	.000351	.000351	0	0
97	KICKER DIAG1	PX	.000351	.000351	0	0
98	FACE2	PX	.000865	.000865	0	0
99	FACE1	PX	.000865	.000865	0	0
100	FACE VERT3	PX	.000606	.000606	0	0
101	FACE VERT2	PX	.000606	.000606	0	0
102	FACE VERT1	PX	.000606	.000606	0	0
103	FACE DIAG2	PX	.000692	.000692	0	0
104	FACE DIAG1	PX	.000692	.000692	0	0
105	TIEBACK C	PX	.00018	.00018	0	0
106	SO2 C	PX	.000402	.000402	0	0
107	SO1 C	PX	.000402	.000402	0	0
108	SO VERT2 C	PX	.000351	.000351	0	0
109	SO VERT1 C	PX	.000351	.000351	0	0
110	SO PIPE C	PX	.000218	.000218	0	0
111	SO DIAG C	PX	.000351	.000351	0	0
112	MP GAMMA4	PX	.000693	.000693	0	0
113	MP GAMMA3	PX	.000693	.000693	0	0
114	MP GAMMA2	PX	.000693	.000693	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
115	MP GAMMA1	PX	.000693	.000693	0	0
116	KICKER4 C	PX	.000402	.000402	0	0
117	KICKER3 C	PX	.000402	.000402	0	0
118	KICKER2 C	PX	.000402	.000402	0	0
119	KICKER1 C	PX	.000402	.000402	0	0
120	KICKER DIAG4 C	PX	.000351	.000351	0	0
121	KICKER DIAG3 C	PX	.000351	.000351	0	0
122	KICKER DIAG2 C	PX	.000351	.000351	0	0
123	KICKER DIAG1 C	PX	.000351	.000351	0	0
124	FACE2 C	PX	.000865	.000865	0	0
125	FACE1 C	PX	.000865	.000865	0	0
126	FACE VERT3 C	PX	.000606	.000606	0	0
127	FACE VERT2 C	PX	.000606	.000606	0	0
128	FACE VERT1 C	PX	.000606	.000606	0	0
129	FACE DIAG2 C	PX	.000692	.000692	0	0
130	FACE DIAG1 C	PX	.000692	.000692	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.00018	-.00018	0	0
2	SO2	PY	-.000402	-.000402	0	0
3	SO1	PY	-.000402	-.000402	0	0
4	SO VERT2	PY	-.000351	-.000351	0	0
5	SO VERT1	PY	-.000351	-.000351	0	0
6	SO PIPE	PY	-.000218	-.000218	0	0
7	SO DIAG	PY	-.000351	-.000351	0	0
8	MP ALPHA4	PY	-.000693	-.000693	0	0
9	MP ALPHA3	PY	-.000693	-.000693	0	0
10	MP ALPHA2	PY	-.000693	-.000693	0	0
11	MP ALPHA1	PY	-.000693	-.000693	0	0
12	KICKER4	PY	-.000402	-.000402	0	0
13	KICKER3	PY	-.000402	-.000402	0	0
14	KICKER2	PY	-.000402	-.000402	0	0
15	KICKER1	PY	-.000402	-.000402	0	0
16	KICKER DIAG4	PY	-.000351	-.000351	0	0
17	KICKER DIAG3	PY	-.000351	-.000351	0	0
18	KICKER DIAG2	PY	-.000351	-.000351	0	0
19	KICKER DIAG1	PY	-.000351	-.000351	0	0
20	FACE2	PY	-.000865	-.000865	0	0
21	FACE1	PY	-.000865	-.000865	0	0
22	FACE VERT3	PY	-.000606	-.000606	0	0
23	FACE VERT2	PY	-.000606	-.000606	0	0
24	FACE VERT1	PY	-.000606	-.000606	0	0
25	FACE DIAG2	PY	-.000692	-.000692	0	0
26	FACE DIAG1	PY	-.000692	-.000692	0	0
27	TIEBACK B	PY	-.00018	-.00018	0	0
28	SO2 B	PY	-.000402	-.000402	0	0
29	SO1 B	PY	-.000402	-.000402	0	0
30	SO VERT2 B	PY	-.000351	-.000351	0	0
31	SO VERT1 B	PY	-.000351	-.000351	0	0
32	SO PIPE B	PY	-.000218	-.000218	0	0
33	SO DIAG B	PY	-.000351	-.000351	0	0
34	MP BETA4	PY	-.000693	-.000693	0	0
35	MP BETA3	PY	-.000693	-.000693	0	0
36	MP BETA2	PY	-.000693	-.000693	0	0
37	MP BETA1	PY	-.000693	-.000693	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
38	KICKER4 B	PY	-.000402	-.000402	0	0
39	KICKER3 B	PY	-.000402	-.000402	0	0
40	KICKER2 B	PY	-.000402	-.000402	0	0
41	KICKER1 B	PY	-.000402	-.000402	0	0
42	KICKER DIAG4 B	PY	-.000351	-.000351	0	0
43	KICKER DIAG3 B	PY	-.000351	-.000351	0	0
44	KICKER DIAG2 B	PY	-.000351	-.000351	0	0
45	KICKER DIAG1 B	PY	-.000351	-.000351	0	0
46	FACE2 B	PY	-.000865	-.000865	0	0
47	FACE1 B	PY	-.000865	-.000865	0	0
48	FACE VERT3 B	PY	-.000606	-.000606	0	0
49	FACE VERT2 B	PY	-.000606	-.000606	0	0
50	FACE VERT1 B	PY	-.000606	-.000606	0	0
51	FACE DIAG2 B	PY	-.000692	-.000692	0	0
52	FACE DIAG1 B	PY	-.000692	-.000692	0	0
53	TIEBACK C	PX	.000303	.000303	0	0
54	SO2 C	PX	.000464	.000464	0	0
55	SO1 C	PX	.000464	.000464	0	0
56	SO VERT2 C	PX	.000732	.000732	0	0
57	SO VERT1 C	PX	.000732	.000732	0	0
58	SO PIPE C	PX	.000734	.000734	0	0
59	SO DIAG C	PX	.000406	.000406	0	0
60	MP GAMMA4	PX	.0008	.0008	0	0
61	MP GAMMA3	PX	.0008	.0008	0	0
62	MP GAMMA2	PX	.0008	.0008	0	0
63	MP GAMMA1	PX	.0008	.0008	0	0
64	KICKER4 C	PX	.000837	.000837	0	0
65	KICKER3 C	PX	.000837	.000837	0	0
66	KICKER2 C	PX	.000837	.000837	0	0
67	KICKER1 C	PX	.000837	.000837	0	0
68	KICKER DIAG4 C	PX	.000732	.000732	0	0
69	KICKER DIAG3 C	PX	.000732	.000732	0	0
70	KICKER DIAG2 C	PX	.000732	.000732	0	0
71	KICKER DIAG1 C	PX	.000732	.000732	0	0
72	FACE2 C	PX	.00058	.00058	0	0
73	FACE1 C	PX	.00058	.00058	0	0
74	FACE VERT3 C	PX	.000406	.000406	0	0
75	FACE VERT2 C	PX	.000406	.000406	0	0
76	FACE VERT1 C	PX	.000406	.000406	0	0
77	FACE DIAG2 C	PX	.000464	.000464	0	0
78	FACE DIAG1 C	PX	.000464	.000464	0	0
79	TIEBACK	PX	.000104	.000104	0	0
80	SO2	PX	.000232	.000232	0	0
81	SO1	PX	.000232	.000232	0	0
82	SO VERT2	PX	.000203	.000203	0	0
83	SO VERT1	PX	.000203	.000203	0	0
84	SO PIPE	PX	.000126	.000126	0	0
85	SO DIAG	PX	.000203	.000203	0	0
86	MP ALPHA4	PX	.0004	.0004	0	0
87	MP ALPHA3	PX	.0004	.0004	0	0
88	MP ALPHA2	PX	.0004	.0004	0	0
89	MP ALPHA1	PX	.0004	.0004	0	0
90	KICKER4	PX	.000232	.000232	0	0
91	KICKER3	PX	.000232	.000232	0	0
92	KICKER2	PX	.000232	.000232	0	0
93	KICKER1	PX	.000232	.000232	0	0
94	KICKER DIAG4	PX	.000203	.000203	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
95	KICKER DIAG3	PX	.000203	.000203	0	0
96	KICKER DIAG2	PX	.000203	.000203	0	0
97	KICKER DIAG1	PX	.000203	.000203	0	0
98	FACE2	PX	.0005	.0005	0	0
99	FACE1	PX	.0005	.0005	0	0
100	FACE VERT3	PX	.00035	.00035	0	0
101	FACE VERT2	PX	.00035	.00035	0	0
102	FACE VERT1	PX	.00035	.00035	0	0
103	FACE DIAG2	PX	.0004	.0004	0	0
104	FACE DIAG1	PX	.0004	.0004	0	0
105	TIEBACK B	PX	.000104	.000104	0	0
106	SO2 B	PX	.000232	.000232	0	0
107	SO1 B	PX	.000232	.000232	0	0
108	SO VERT2 B	PX	.000203	.000203	0	0
109	SO VERT1 B	PX	.000203	.000203	0	0
110	SO PIPE B	PX	.000126	.000126	0	0
111	SO DIAG B	PX	.000203	.000203	0	0
112	MP BETA4	PX	.0004	.0004	0	0
113	MP BETA3	PX	.0004	.0004	0	0
114	MP BETA2	PX	.0004	.0004	0	0
115	MP BETA1	PX	.0004	.0004	0	0
116	KICKER4 B	PX	.000232	.000232	0	0
117	KICKER3 B	PX	.000232	.000232	0	0
118	KICKER2 B	PX	.000232	.000232	0	0
119	KICKER1 B	PX	.000232	.000232	0	0
120	KICKER DIAG4 B	PX	.000203	.000203	0	0
121	KICKER DIAG3 B	PX	.000203	.000203	0	0
122	KICKER DIAG2 B	PX	.000203	.000203	0	0
123	KICKER DIAG1 B	PX	.000203	.000203	0	0
124	FACE2 B	PX	.0005	.0005	0	0
125	FACE1 B	PX	.0005	.0005	0	0
126	FACE VERT3 B	PX	.00035	.00035	0	0
127	FACE VERT2 B	PX	.00035	.00035	0	0
128	FACE VERT1 B	PX	.00035	.00035	0	0
129	FACE DIAG2 B	PX	.0004	.0004	0	0
130	FACE DIAG1 B	PX	.0004	.0004	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	Z	-.005	-.005	0	0
2	SO2	Z	-.006	-.006	0	0
3	SO1	Z	-.006	-.006	0	0
4	SO VERT2	Z	-.005	-.005	0	0
5	SO VERT1	Z	-.005	-.005	0	0
6	SO PIPE	Z	-.006	-.006	0	0
7	SO DIAG	Z	-.005	-.005	0	0
8	MP ALPHA4	Z	-.006	-.006	0	0
9	MP ALPHA3	Z	-.006	-.006	0	0
10	MP ALPHA2	Z	-.006	-.006	0	0
11	MP ALPHA1	Z	-.006	-.006	0	0
12	KICKER4	Z	-.006	-.006	0	0
13	KICKER3	Z	-.006	-.006	0	0
14	KICKER2	Z	-.006	-.006	0	0
15	KICKER1	Z	-.006	-.006	0	0
16	KICKER DIAG4	Z	-.005	-.005	0	0
17	KICKER DIAG3	Z	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
18	KICKER DIAG2	Z	-.005	-.005	0	0
19	KICKER DIAG1	Z	-.005	-.005	0	0
20	FACE2	Z	-.007	-.007	0	0
21	FACE1	Z	-.007	-.007	0	0
22	FACE VERT3	Z	-.005	-.005	0	0
23	FACE VERT2	Z	-.005	-.005	0	0
24	FACE VERT1	Z	-.005	-.005	0	0
25	FACE DIAG2	Z	-.006	-.006	0	0
26	FACE DIAG1	Z	-.006	-.006	0	0
27	TIEBACK B	Z	-.003	-.003	0	0
28	SO2 B	Z	-.003	-.003	0	0
29	SO1 B	Z	-.003	-.003	0	0
30	SO VERT2 B	Z	-.003	-.003	0	0
31	SO VERT1 B	Z	-.003	-.003	0	0
32	SO PIPE B	Z	-.003	-.003	0	0
33	SO DIAG B	Z	-.003	-.003	0	0
34	MP BETA4	Z	-.003	-.003	0	0
35	MP BETA3	Z	-.003	-.003	0	0
36	MP BETA2	Z	-.003	-.003	0	0
37	MP BETA1	Z	-.003	-.003	0	0
38	KICKER4 B	Z	-.003	-.003	0	0
39	KICKER3 B	Z	-.003	-.003	0	0
40	KICKER2 B	Z	-.003	-.003	0	0
41	KICKER1 B	Z	-.003	-.003	0	0
42	KICKER DIAG4 B	Z	-.003	-.003	0	0
43	KICKER DIAG3 B	Z	-.003	-.003	0	0
44	KICKER DIAG2 B	Z	-.003	-.003	0	0
45	KICKER DIAG1 B	Z	-.003	-.003	0	0
46	FACE2 B	Z	-.003	-.003	0	0
47	FACE1 B	Z	-.003	-.003	0	0
48	FACE VERT3 B	Z	-.003	-.003	0	0
49	FACE VERT2 B	Z	-.003	-.003	0	0
50	FACE VERT1 B	Z	-.003	-.003	0	0
51	FACE DIAG2 B	Z	-.003	-.003	0	0
52	FACE DIAG1 B	Z	-.003	-.003	0	0
53	TIEBACK C	Z	-.003	-.003	0	0
54	SO2 C	Z	-.003	-.003	0	0
55	SO1 C	Z	-.003	-.003	0	0
56	SO VERT2 C	Z	-.003	-.003	0	0
57	SO VERT1 C	Z	-.003	-.003	0	0
58	SO PIPE C	Z	-.003	-.003	0	0
59	SO DIAG C	Z	-.003	-.003	0	0
60	MP GAMMA4	Z	-.003	-.003	0	0
61	MP GAMMA3	Z	-.003	-.003	0	0
62	MP GAMMA2	Z	-.003	-.003	0	0
63	MP GAMMA1	Z	-.003	-.003	0	0
64	KICKER4 C	Z	-.003	-.003	0	0
65	KICKER3 C	Z	-.003	-.003	0	0
66	KICKER2 C	Z	-.003	-.003	0	0
67	KICKER1 C	Z	-.003	-.003	0	0
68	KICKER DIAG4 C	Z	-.003	-.003	0	0
69	KICKER DIAG3 C	Z	-.003	-.003	0	0
70	KICKER DIAG2 C	Z	-.003	-.003	0	0
71	KICKER DIAG1 C	Z	-.003	-.003	0	0
72	FACE2 C	Z	-.003	-.003	0	0
73	FACE1 C	Z	-.003	-.003	0	0
74	FACE VERT3 C	Z	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
75	FACE VERT2 C	Z	-.003	-.003	0	0
76	FACE VERT1 C	Z	-.003	-.003	0	0
77	FACE DIAG2 C	Z	-.003	-.003	0	0
78	FACE DIAG1 C	Z	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.001	-.001	0	0
2	SO2	PY	-.002	-.002	0	0
3	SO1	PY	-.002	-.002	0	0
4	SO VERT2	PY	-.002	-.002	0	0
5	SO VERT1	PY	-.002	-.002	0	0
6	SO PIPE	PY	-.001	-.001	0	0
7	SO DIAG	PY	-.002	-.002	0	0
8	MP ALPHA4	PY	-.004	-.004	0	0
9	MP ALPHA3	PY	-.004	-.004	0	0
10	MP ALPHA2	PY	-.004	-.004	0	0
11	MP ALPHA1	PY	-.004	-.004	0	0
12	KICKER4	PY	-.002	-.002	0	0
13	KICKER3	PY	-.002	-.002	0	0
14	KICKER2	PY	-.002	-.002	0	0
15	KICKER1	PY	-.002	-.002	0	0
16	KICKER DIAG4	PY	-.002	-.002	0	0
17	KICKER DIAG3	PY	-.002	-.002	0	0
18	KICKER DIAG2	PY	-.002	-.002	0	0
19	KICKER DIAG1	PY	-.002	-.002	0	0
20	FACE2	PY	-.004	-.004	0	0
21	FACE1	PY	-.004	-.004	0	0
22	FACE VERT3	PY	-.003	-.003	0	0
23	FACE VERT2	PY	-.003	-.003	0	0
24	FACE VERT1	PY	-.003	-.003	0	0
25	FACE DIAG2	PY	-.003	-.003	0	0
26	FACE DIAG1	PY	-.003	-.003	0	0
27	TIEBACK B	PY	-.000641	-.000641	0	0
28	SO2 B	PY	-.000983	-.000983	0	0
29	SO1 B	PY	-.000983	-.000983	0	0
30	SO VERT2 B	PY	-.000927	-.000927	0	0
31	SO VERT1 B	PY	-.000927	-.000927	0	0
32	SO PIPE B	PY	-.000708	-.000708	0	0
33	SO DIAG B	PY	-.000927	-.000927	0	0
34	MP BETA4	PY	-.002	-.002	0	0
35	MP BETA3	PY	-.002	-.002	0	0
36	MP BETA2	PY	-.002	-.002	0	0
37	MP BETA1	PY	-.002	-.002	0	0
38	KICKER4 B	PY	-.000983	-.000983	0	0
39	KICKER3 B	PY	-.000983	-.000983	0	0
40	KICKER2 B	PY	-.000983	-.000983	0	0
41	KICKER1 B	PY	-.000983	-.000983	0	0
42	KICKER DIAG4 B	PY	-.000927	-.000927	0	0
43	KICKER DIAG3 B	PY	-.000927	-.000927	0	0
44	KICKER DIAG2 B	PY	-.000927	-.000927	0	0
45	KICKER DIAG1 B	PY	-.000927	-.000927	0	0
46	FACE2 B	PY	-.002	-.002	0	0
47	FACE1 B	PY	-.002	-.002	0	0
48	FACE VERT3 B	PY	-.002	-.002	0	0
49	FACE VERT2 B	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
50	FACE VERT1 B	PY	-.002	-.002	0	0
51	FACE DIAG2 B	PY	-.002	-.002	0	0
52	FACE DIAG1 B	PY	-.002	-.002	0	0
53	TIEBACK C	PY	-.000641	-.000641	0	0
54	SO2 C	PY	-.000983	-.000983	0	0
55	SO1 C	PY	-.000983	-.000983	0	0
56	SO VERT2 C	PY	-.000927	-.000927	0	0
57	SO VERT1 C	PY	-.000927	-.000927	0	0
58	SO PIPE C	PY	-.000708	-.000708	0	0
59	SO DIAG C	PY	-.000927	-.000927	0	0
60	MP GAMMA4	PY	-.002	-.002	0	0
61	MP GAMMA3	PY	-.002	-.002	0	0
62	MP GAMMA2	PY	-.002	-.002	0	0
63	MP GAMMA1	PY	-.002	-.002	0	0
64	KICKER4 C	PY	-.000983	-.000983	0	0
65	KICKER3 C	PY	-.000983	-.000983	0	0
66	KICKER2 C	PY	-.000983	-.000983	0	0
67	KICKER1 C	PY	-.000983	-.000983	0	0
68	KICKER DIAG4 C	PY	-.000927	-.000927	0	0
69	KICKER DIAG3 C	PY	-.000927	-.000927	0	0
70	KICKER DIAG2 C	PY	-.000927	-.000927	0	0
71	KICKER DIAG1 C	PY	-.000927	-.000927	0	0
72	FACE2 C	PY	-.002	-.002	0	0
73	FACE1 C	PY	-.002	-.002	0	0
74	FACE VERT3 C	PY	-.002	-.002	0	0
75	FACE VERT2 C	PY	-.002	-.002	0	0
76	FACE VERT1 C	PY	-.002	-.002	0	0
77	FACE DIAG2 C	PY	-.002	-.002	0	0
78	FACE DIAG1 C	PY	-.002	-.002	0	0
79	TIEBACK B	PX	.001	.001	0	0
80	SO2 B	PX	.002	.002	0	0
81	SO1 B	PX	.002	.002	0	0
82	SO VERT2 B	PX	.002	.002	0	0
83	SO VERT1 B	PX	.002	.002	0	0
84	SO PIPE B	PX	.001	.001	0	0
85	SO DIAG B	PX	.002	.002	0	0
86	MP BETA4	PX	.003	.003	0	0
87	MP BETA3	PX	.003	.003	0	0
88	MP BETA2	PX	.003	.003	0	0
89	MP BETA1	PX	.003	.003	0	0
90	KICKER4 B	PX	.002	.002	0	0
91	KICKER3 B	PX	.002	.002	0	0
92	KICKER2 B	PX	.002	.002	0	0
93	KICKER1 B	PX	.002	.002	0	0
94	KICKER DIAG4 B	PX	.002	.002	0	0
95	KICKER DIAG3 B	PX	.002	.002	0	0
96	KICKER DIAG2 B	PX	.002	.002	0	0
97	KICKER DIAG1 B	PX	.002	.002	0	0
98	FACE2 B	PX	.003	.003	0	0
99	FACE1 B	PX	.003	.003	0	0
100	FACE VERT3 B	PX	.003	.003	0	0
101	FACE VERT2 B	PX	.003	.003	0	0
102	FACE VERT1 B	PX	.003	.003	0	0
103	FACE DIAG2 B	PX	.003	.003	0	0
104	FACE DIAG1 B	PX	.003	.003	0	0
105	TIEBACK C	PX	-.001	-.001	0	0
106	SO2 C	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
107	SO1 C	PX	-.002	-.002	0	0
108	SO VERT2 C	PX	-.002	-.002	0	0
109	SO VERT1 C	PX	-.002	-.002	0	0
110	SO PIPE C	PX	-.001	-.001	0	0
111	SO DIAG C	PX	-.002	-.002	0	0
112	MP GAMMA4	PX	-.003	-.003	0	0
113	MP GAMMA3	PX	-.003	-.003	0	0
114	MP GAMMA2	PX	-.003	-.003	0	0
115	MP GAMMA1	PX	-.003	-.003	0	0
116	KICKER4 C	PX	-.002	-.002	0	0
117	KICKER3 C	PX	-.002	-.002	0	0
118	KICKER2 C	PX	-.002	-.002	0	0
119	KICKER1 C	PX	-.002	-.002	0	0
120	KICKER DIAG4 C	PX	-.002	-.002	0	0
121	KICKER DIAG3 C	PX	-.002	-.002	0	0
122	KICKER DIAG2 C	PX	-.002	-.002	0	0
123	KICKER DIAG1 C	PX	-.002	-.002	0	0
124	FACE2 C	PX	-.003	-.003	0	0
125	FACE1 C	PX	-.003	-.003	0	0
126	FACE VERT3 C	PX	-.003	-.003	0	0
127	FACE VERT2 C	PX	-.003	-.003	0	0
128	FACE VERT1 C	PX	-.003	-.003	0	0
129	FACE DIAG2 C	PX	-.003	-.003	0	0
130	FACE DIAG1 C	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.001	-.001	0	0
2	SO2	PY	-.002	-.002	0	0
3	SO1	PY	-.002	-.002	0	0
4	SO VERT2	PY	-.002	-.002	0	0
5	SO VERT1	PY	-.002	-.002	0	0
6	SO PIPE	PY	-.001	-.001	0	0
7	SO DIAG	PY	-.002	-.002	0	0
8	MP ALPHA4	PY	-.003	-.003	0	0
9	MP ALPHA3	PY	-.003	-.003	0	0
10	MP ALPHA2	PY	-.003	-.003	0	0
11	MP ALPHA1	PY	-.003	-.003	0	0
12	KICKER4	PY	-.002	-.002	0	0
13	KICKER3	PY	-.002	-.002	0	0
14	KICKER2	PY	-.002	-.002	0	0
15	KICKER1	PY	-.002	-.002	0	0
16	KICKER DIAG4	PY	-.002	-.002	0	0
17	KICKER DIAG3	PY	-.002	-.002	0	0
18	KICKER DIAG2	PY	-.002	-.002	0	0
19	KICKER DIAG1	PY	-.002	-.002	0	0
20	FACE2	PY	-.003	-.003	0	0
21	FACE1	PY	-.003	-.003	0	0
22	FACE VERT3	PY	-.003	-.003	0	0
23	FACE VERT2	PY	-.003	-.003	0	0
24	FACE VERT1	PY	-.003	-.003	0	0
25	FACE DIAG2	PY	-.003	-.003	0	0
26	FACE DIAG1	PY	-.003	-.003	0	0
27	TIEBACK B	PX	-.003	-.003	0	0
28	SO2 B	PX	-.005	-.005	0	0
29	SO1 B	PX	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
30	SO VERT2 B	PX	-.009	-.009	0	0
31	SO VERT1 B	PX	-.009	-.009	0	0
32	SO PIPE B	PX	-.007	-.007	0	0
33	SO DIAG B	PX	-.005	-.005	0	0
34	MP BETA4	PX	-.004	-.004	0	0
35	MP BETA3	PX	-.004	-.004	0	0
36	MP BETA2	PX	-.004	-.004	0	0
37	MP BETA1	PX	-.004	-.004	0	0
38	KICKER4 B	PX	-.009	-.009	0	0
39	KICKER3 B	PX	-.009	-.009	0	0
40	KICKER2 B	PX	-.009	-.009	0	0
41	KICKER1 B	PX	-.009	-.009	0	0
42	KICKER DIAG4 B	PX	-.009	-.009	0	0
43	KICKER DIAG3 B	PX	-.009	-.009	0	0
44	KICKER DIAG2 B	PX	-.009	-.009	0	0
45	KICKER DIAG1 B	PX	-.009	-.009	0	0
46	FACE2 B	PX	-.006	-.006	0	0
47	FACE1 B	PX	-.006	-.006	0	0
48	FACE VERT3 B	PX	-.005	-.005	0	0
49	FACE VERT2 B	PX	-.005	-.005	0	0
50	FACE VERT1 B	PX	-.005	-.005	0	0
51	FACE DIAG2 B	PX	-.005	-.005	0	0
52	FACE DIAG1 B	PX	-.005	-.005	0	0
53	TIEBACK C	PY	-.001	-.001	0	0
54	SO2 C	PY	-.002	-.002	0	0
55	SO1 C	PY	-.002	-.002	0	0
56	SO VERT2 C	PY	-.002	-.002	0	0
57	SO VERT1 C	PY	-.002	-.002	0	0
58	SO PIPE C	PY	-.001	-.001	0	0
59	SO DIAG C	PY	-.002	-.002	0	0
60	MP GAMMA4	PY	-.003	-.003	0	0
61	MP GAMMA3	PY	-.003	-.003	0	0
62	MP GAMMA2	PY	-.003	-.003	0	0
63	MP GAMMA1	PY	-.003	-.003	0	0
64	KICKER4 C	PY	-.002	-.002	0	0
65	KICKER3 C	PY	-.002	-.002	0	0
66	KICKER2 C	PY	-.002	-.002	0	0
67	KICKER1 C	PY	-.002	-.002	0	0
68	KICKER DIAG4 C	PY	-.002	-.002	0	0
69	KICKER DIAG3 C	PY	-.002	-.002	0	0
70	KICKER DIAG2 C	PY	-.002	-.002	0	0
71	KICKER DIAG1 C	PY	-.002	-.002	0	0
72	FACE2 C	PY	-.003	-.003	0	0
73	FACE1 C	PY	-.003	-.003	0	0
74	FACE VERT3 C	PY	-.003	-.003	0	0
75	FACE VERT2 C	PY	-.003	-.003	0	0
76	FACE VERT1 C	PY	-.003	-.003	0	0
77	FACE DIAG2 C	PY	-.003	-.003	0	0
78	FACE DIAG1 C	PY	-.003	-.003	0	0
79	TIEBACK	PX	-.000641	-.000641	0	0
80	SO2	PX	-.000983	-.000983	0	0
81	SO1	PX	-.000983	-.000983	0	0
82	SO VERT2	PX	-.000927	-.000927	0	0
83	SO VERT1	PX	-.000927	-.000927	0	0
84	SO PIPE	PX	-.000708	-.000708	0	0
85	SO DIAG	PX	-.000927	-.000927	0	0
86	MP ALPHA4	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
87	MP ALPHA3	PX	-.002	-.002	0	0
88	MP ALPHA2	PX	-.002	-.002	0	0
89	MP ALPHA1	PX	-.002	-.002	0	0
90	KICKER4	PX	-.000983	-.000983	0	0
91	KICKER3	PX	-.000983	-.000983	0	0
92	KICKER2	PX	-.000983	-.000983	0	0
93	KICKER1	PX	-.000983	-.000983	0	0
94	KICKER DIAG4	PX	-.000927	-.000927	0	0
95	KICKER DIAG3	PX	-.000927	-.000927	0	0
96	KICKER DIAG2	PX	-.000927	-.000927	0	0
97	KICKER DIAG1	PX	-.000927	-.000927	0	0
98	FACE2	PX	-.002	-.002	0	0
99	FACE1	PX	-.002	-.002	0	0
100	FACE VERT3	PX	-.002	-.002	0	0
101	FACE VERT2	PX	-.002	-.002	0	0
102	FACE VERT1	PX	-.002	-.002	0	0
103	FACE DIAG2	PX	-.002	-.002	0	0
104	FACE DIAG1	PX	-.002	-.002	0	0
105	TIEBACK C	PX	-.000641	-.000641	0	0
106	SO2 C	PX	-.000983	-.000983	0	0
107	SO1 C	PX	-.000983	-.000983	0	0
108	SO VERT2 C	PX	-.000927	-.000927	0	0
109	SO VERT1 C	PX	-.000927	-.000927	0	0
110	SO PIPE C	PX	-.000708	-.000708	0	0
111	SO DIAG C	PX	-.000927	-.000927	0	0
112	MP GAMMA4	PX	-.002	-.002	0	0
113	MP GAMMA3	PX	-.002	-.002	0	0
114	MP GAMMA2	PX	-.002	-.002	0	0
115	MP GAMMA1	PX	-.002	-.002	0	0
116	KICKER4 C	PX	-.000983	-.000983	0	0
117	KICKER3 C	PX	-.000983	-.000983	0	0
118	KICKER2 C	PX	-.000983	-.000983	0	0
119	KICKER1 C	PX	-.000983	-.000983	0	0
120	KICKER DIAG4 C	PX	-.000927	-.000927	0	0
121	KICKER DIAG3 C	PX	-.000927	-.000927	0	0
122	KICKER DIAG2 C	PX	-.000927	-.000927	0	0
123	KICKER DIAG1 C	PX	-.000927	-.000927	0	0
124	FACE2 C	PX	-.002	-.002	0	0
125	FACE1 C	PX	-.002	-.002	0	0
126	FACE VERT3 C	PX	-.002	-.002	0	0
127	FACE VERT2 C	PX	-.002	-.002	0	0
128	FACE VERT1 C	PX	-.002	-.002	0	0
129	FACE DIAG2 C	PX	-.002	-.002	0	0
130	FACE DIAG1 C	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.000641	-.000641	0	0
2	SO2	PY	-.000983	-.000983	0	0
3	SO1	PY	-.000983	-.000983	0	0
4	SO VERT2	PY	-.000927	-.000927	0	0
5	SO VERT1	PY	-.000927	-.000927	0	0
6	SO PIPE	PY	-.000708	-.000708	0	0
7	SO DIAG	PY	-.000927	-.000927	0	0
8	MP ALPHA4	PY	-.002	-.002	0	0
9	MP ALPHA3	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
10	MP ALPHA2	PY	-.002	-.002	0	0
11	MP ALPHA1	PY	-.002	-.002	0	0
12	KICKER4	PY	-.000983	-.000983	0	0
13	KICKER3	PY	-.000983	-.000983	0	0
14	KICKER2	PY	-.000983	-.000983	0	0
15	KICKER1	PY	-.000983	-.000983	0	0
16	KICKER DIAG4	PY	-.000927	-.000927	0	0
17	KICKER DIAG3	PY	-.000927	-.000927	0	0
18	KICKER DIAG2	PY	-.000927	-.000927	0	0
19	KICKER DIAG1	PY	-.000927	-.000927	0	0
20	FACE2	PY	-.002	-.002	0	0
21	FACE1	PY	-.002	-.002	0	0
22	FACE VERT3	PY	-.002	-.002	0	0
23	FACE VERT2	PY	-.002	-.002	0	0
24	FACE VERT1	PY	-.002	-.002	0	0
25	FACE DIAG2	PY	-.002	-.002	0	0
26	FACE DIAG1	PY	-.002	-.002	0	0
27	TIEBACK B	PY	-.000641	-.000641	0	0
28	SO2 B	PY	-.000983	-.000983	0	0
29	SO1 B	PY	-.000983	-.000983	0	0
30	SO VERT2 B	PY	-.000927	-.000927	0	0
31	SO VERT1 B	PY	-.000927	-.000927	0	0
32	SO PIPE B	PY	-.000708	-.000708	0	0
33	SO DIAG B	PY	-.000927	-.000927	0	0
34	MP BETA4	PY	-.002	-.002	0	0
35	MP BETA3	PY	-.002	-.002	0	0
36	MP BETA2	PY	-.002	-.002	0	0
37	MP BETA1	PY	-.002	-.002	0	0
38	KICKER4 B	PY	-.000983	-.000983	0	0
39	KICKER3 B	PY	-.000983	-.000983	0	0
40	KICKER2 B	PY	-.000983	-.000983	0	0
41	KICKER1 B	PY	-.000983	-.000983	0	0
42	KICKER DIAG4 B	PY	-.000927	-.000927	0	0
43	KICKER DIAG3 B	PY	-.000927	-.000927	0	0
44	KICKER DIAG2 B	PY	-.000927	-.000927	0	0
45	KICKER DIAG1 B	PY	-.000927	-.000927	0	0
46	FACE2 B	PY	-.002	-.002	0	0
47	FACE1 B	PY	-.002	-.002	0	0
48	FACE VERT3 B	PY	-.002	-.002	0	0
49	FACE VERT2 B	PY	-.002	-.002	0	0
50	FACE VERT1 B	PY	-.002	-.002	0	0
51	FACE DIAG2 B	PY	-.002	-.002	0	0
52	FACE DIAG1 B	PY	-.002	-.002	0	0
53	TIEBACK C	PY	-.001	-.001	0	0
54	SO2 C	PY	-.002	-.002	0	0
55	SO1 C	PY	-.002	-.002	0	0
56	SO VERT2 C	PY	-.002	-.002	0	0
57	SO VERT1 C	PY	-.002	-.002	0	0
58	SO PIPE C	PY	-.001	-.001	0	0
59	SO DIAG C	PY	-.002	-.002	0	0
60	MP GAMMA4	PY	-.004	-.004	0	0
61	MP GAMMA3	PY	-.004	-.004	0	0
62	MP GAMMA2	PY	-.004	-.004	0	0
63	MP GAMMA1	PY	-.004	-.004	0	0
64	KICKER4 C	PY	-.002	-.002	0	0
65	KICKER3 C	PY	-.002	-.002	0	0
66	KICKER2 C	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
67	KICKER1 C	PY	-.002	-.002	0	0
68	KICKER DIAG4 C	PY	-.002	-.002	0	0
69	KICKER DIAG3 C	PY	-.002	-.002	0	0
70	KICKER DIAG2 C	PY	-.002	-.002	0	0
71	KICKER DIAG1 C	PY	-.002	-.002	0	0
72	FACE2 C	PY	-.004	-.004	0	0
73	FACE1 C	PY	-.004	-.004	0	0
74	FACE VERT3 C	PY	-.003	-.003	0	0
75	FACE VERT2 C	PY	-.003	-.003	0	0
76	FACE VERT1 C	PY	-.003	-.003	0	0
77	FACE DIAG2 C	PY	-.003	-.003	0	0
78	FACE DIAG1 C	PY	-.003	-.003	0	0
79	TIEBACK	PX	-.001	-.001	0	0
80	SO2	PX	-.002	-.002	0	0
81	SO1	PX	-.002	-.002	0	0
82	SO VERT2	PX	-.002	-.002	0	0
83	SO VERT1	PX	-.002	-.002	0	0
84	SO PIPE	PX	-.001	-.001	0	0
85	SO DIAG	PX	-.002	-.002	0	0
86	MP ALPHA4	PX	-.003	-.003	0	0
87	MP ALPHA3	PX	-.003	-.003	0	0
88	MP ALPHA2	PX	-.003	-.003	0	0
89	MP ALPHA1	PX	-.003	-.003	0	0
90	KICKER4	PX	-.002	-.002	0	0
91	KICKER3	PX	-.002	-.002	0	0
92	KICKER2	PX	-.002	-.002	0	0
93	KICKER1	PX	-.002	-.002	0	0
94	KICKER DIAG4	PX	-.002	-.002	0	0
95	KICKER DIAG3	PX	-.002	-.002	0	0
96	KICKER DIAG2	PX	-.002	-.002	0	0
97	KICKER DIAG1	PX	-.002	-.002	0	0
98	FACE2	PX	-.003	-.003	0	0
99	FACE1	PX	-.003	-.003	0	0
100	FACE VERT3	PX	-.003	-.003	0	0
101	FACE VERT2	PX	-.003	-.003	0	0
102	FACE VERT1	PX	-.003	-.003	0	0
103	FACE DIAG2	PX	-.003	-.003	0	0
104	FACE DIAG1	PX	-.003	-.003	0	0
105	TIEBACK B	PX	-.001	-.001	0	0
106	SO2 B	PX	-.002	-.002	0	0
107	SO1 B	PX	-.002	-.002	0	0
108	SO VERT2 B	PX	-.002	-.002	0	0
109	SO VERT1 B	PX	-.002	-.002	0	0
110	SO PIPE B	PX	-.001	-.001	0	0
111	SO DIAG B	PX	-.002	-.002	0	0
112	MP BETA4	PX	-.003	-.003	0	0
113	MP BETA3	PX	-.003	-.003	0	0
114	MP BETA2	PX	-.003	-.003	0	0
115	MP BETA1	PX	-.003	-.003	0	0
116	KICKER4 B	PX	-.002	-.002	0	0
117	KICKER3 B	PX	-.002	-.002	0	0
118	KICKER2 B	PX	-.002	-.002	0	0
119	KICKER1 B	PX	-.002	-.002	0	0
120	KICKER DIAG4 B	PX	-.002	-.002	0	0
121	KICKER DIAG3 B	PX	-.002	-.002	0	0
122	KICKER DIAG2 B	PX	-.002	-.002	0	0
123	KICKER DIAG1 B	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
124	FACE2 B	PX	-.003	-.003	0	0
125	FACE1 B	PX	-.003	-.003	0	0
126	FACE VERT3 B	PX	-.003	-.003	0	0
127	FACE VERT2 B	PX	-.003	-.003	0	0
128	FACE VERT1 B	PX	-.003	-.003	0	0
129	FACE DIAG2 B	PX	-.003	-.003	0	0
130	FACE DIAG1 B	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PX	-.003	-.003	0	0
2	SO2	PX	-.005	-.005	0	0
3	SO1	PX	-.005	-.005	0	0
4	SO VERT2	PX	-.009	-.009	0	0
5	SO VERT1	PX	-.009	-.009	0	0
6	SO PIPE	PX	-.007	-.007	0	0
7	SO DIAG	PX	-.005	-.005	0	0
8	MP ALPHA4	PX	-.004	-.004	0	0
9	MP ALPHA3	PX	-.004	-.004	0	0
10	MP ALPHA2	PX	-.004	-.004	0	0
11	MP ALPHA1	PX	-.004	-.004	0	0
12	KICKER4	PX	-.009	-.009	0	0
13	KICKER3	PX	-.009	-.009	0	0
14	KICKER2	PX	-.009	-.009	0	0
15	KICKER1	PX	-.009	-.009	0	0
16	KICKER DIAG4	PX	-.009	-.009	0	0
17	KICKER DIAG3	PX	-.009	-.009	0	0
18	KICKER DIAG2	PX	-.009	-.009	0	0
19	KICKER DIAG1	PX	-.009	-.009	0	0
20	FACE2	PX	-.006	-.006	0	0
21	FACE1	PX	-.006	-.006	0	0
22	FACE VERT3	PX	-.005	-.005	0	0
23	FACE VERT2	PX	-.005	-.005	0	0
24	FACE VERT1	PX	-.005	-.005	0	0
25	FACE DIAG2	PX	-.005	-.005	0	0
26	FACE DIAG1	PX	-.005	-.005	0	0
27	TIEBACK B	PY	.001	.001	0	0
28	SO2 B	PY	.002	.002	0	0
29	SO1 B	PY	.002	.002	0	0
30	SO VERT2 B	PY	.002	.002	0	0
31	SO VERT1 B	PY	.002	.002	0	0
32	SO PIPE B	PY	.001	.001	0	0
33	SO DIAG B	PY	.002	.002	0	0
34	MP BETA4	PY	.003	.003	0	0
35	MP BETA3	PY	.003	.003	0	0
36	MP BETA2	PY	.003	.003	0	0
37	MP BETA1	PY	.003	.003	0	0
38	KICKER4 B	PY	.002	.002	0	0
39	KICKER3 B	PY	.002	.002	0	0
40	KICKER2 B	PY	.002	.002	0	0
41	KICKER1 B	PY	.002	.002	0	0
42	KICKER DIAG4 B	PY	.002	.002	0	0
43	KICKER DIAG3 B	PY	.002	.002	0	0
44	KICKER DIAG2 B	PY	.002	.002	0	0
45	KICKER DIAG1 B	PY	.002	.002	0	0
46	FACE2 B	PY	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
47	FACE1 B	PY	.003	.003	0	0
48	FACE VERT3 B	PY	.003	.003	0	0
49	FACE VERT2 B	PY	.003	.003	0	0
50	FACE VERT1 B	PY	.003	.003	0	0
51	FACE DIAG2 B	PY	.003	.003	0	0
52	FACE DIAG1 B	PY	.003	.003	0	0
53	TIEBACK C	PY	-.001	-.001	0	0
54	SO2 C	PY	-.002	-.002	0	0
55	SO1 C	PY	-.002	-.002	0	0
56	SO VERT2 C	PY	-.002	-.002	0	0
57	SO VERT1 C	PY	-.002	-.002	0	0
58	SO PIPE C	PY	-.001	-.001	0	0
59	SO DIAG C	PY	-.002	-.002	0	0
60	MP GAMMA4	PY	-.003	-.003	0	0
61	MP GAMMA3	PY	-.003	-.003	0	0
62	MP GAMMA2	PY	-.003	-.003	0	0
63	MP GAMMA1	PY	-.003	-.003	0	0
64	KICKER4 C	PY	-.002	-.002	0	0
65	KICKER3 C	PY	-.002	-.002	0	0
66	KICKER2 C	PY	-.002	-.002	0	0
67	KICKER1 C	PY	-.002	-.002	0	0
68	KICKER DIAG4 C	PY	-.002	-.002	0	0
69	KICKER DIAG3 C	PY	-.002	-.002	0	0
70	KICKER DIAG2 C	PY	-.002	-.002	0	0
71	KICKER DIAG1 C	PY	-.002	-.002	0	0
72	FACE2 C	PY	-.003	-.003	0	0
73	FACE1 C	PY	-.003	-.003	0	0
74	FACE VERT3 C	PY	-.003	-.003	0	0
75	FACE VERT2 C	PY	-.003	-.003	0	0
76	FACE VERT1 C	PY	-.003	-.003	0	0
77	FACE DIAG2 C	PY	-.003	-.003	0	0
78	FACE DIAG1 C	PY	-.003	-.003	0	0
79	TIEBACK B	PX	-.000641	-.000641	0	0
80	SO2 B	PX	-.000983	-.000983	0	0
81	SO1 B	PX	-.000983	-.000983	0	0
82	SO VERT2 B	PX	-.000927	-.000927	0	0
83	SO VERT1 B	PX	-.000927	-.000927	0	0
84	SO PIPE B	PX	-.000708	-.000708	0	0
85	SO DIAG B	PX	-.000927	-.000927	0	0
86	MP BETA4	PX	-.002	-.002	0	0
87	MP BETA3	PX	-.002	-.002	0	0
88	MP BETA2	PX	-.002	-.002	0	0
89	MP BETA1	PX	-.002	-.002	0	0
90	KICKER4 B	PX	-.000983	-.000983	0	0
91	KICKER3 B	PX	-.000983	-.000983	0	0
92	KICKER2 B	PX	-.000983	-.000983	0	0
93	KICKER1 B	PX	-.000983	-.000983	0	0
94	KICKER DIAG4 B	PX	-.000927	-.000927	0	0
95	KICKER DIAG3 B	PX	-.000927	-.000927	0	0
96	KICKER DIAG2 B	PX	-.000927	-.000927	0	0
97	KICKER DIAG1 B	PX	-.000927	-.000927	0	0
98	FACE2 B	PX	-.002	-.002	0	0
99	FACE1 B	PX	-.002	-.002	0	0
100	FACE VERT3 B	PX	-.002	-.002	0	0
101	FACE VERT2 B	PX	-.002	-.002	0	0
102	FACE VERT1 B	PX	-.002	-.002	0	0
103	FACE DIAG2 B	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
104	FACE DIAG1 B	PX	-.002	-.002	0	0
105	TIEBACK C	PX	-.000641	-.000641	0	0
106	SO2 C	PX	-.000983	-.000983	0	0
107	SO1 C	PX	-.000983	-.000983	0	0
108	SO VERT2 C	PX	-.000927	-.000927	0	0
109	SO VERT1 C	PX	-.000927	-.000927	0	0
110	SO PIPE C	PX	-.000708	-.000708	0	0
111	SO DIAG C	PX	-.000927	-.000927	0	0
112	MP GAMMA4	PX	-.002	-.002	0	0
113	MP GAMMA3	PX	-.002	-.002	0	0
114	MP GAMMA2	PX	-.002	-.002	0	0
115	MP GAMMA1	PX	-.002	-.002	0	0
116	KICKER4 C	PX	-.000983	-.000983	0	0
117	KICKER3 C	PX	-.000983	-.000983	0	0
118	KICKER2 C	PX	-.000983	-.000983	0	0
119	KICKER1 C	PX	-.000983	-.000983	0	0
120	KICKER DIAG4 C	PX	-.000927	-.000927	0	0
121	KICKER DIAG3 C	PX	-.000927	-.000927	0	0
122	KICKER DIAG2 C	PX	-.000927	-.000927	0	0
123	KICKER DIAG1 C	PX	-.000927	-.000927	0	0
124	FACE2 C	PX	-.002	-.002	0	0
125	FACE1 C	PX	-.002	-.002	0	0
126	FACE VERT3 C	PX	-.002	-.002	0	0
127	FACE VERT2 C	PX	-.002	-.002	0	0
128	FACE VERT1 C	PX	-.002	-.002	0	0
129	FACE DIAG2 C	PX	-.002	-.002	0	0
130	FACE DIAG1 C	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.000641	.000641	0	0
2	SO2	PY	.000983	.000983	0	0
3	SO1	PY	.000983	.000983	0	0
4	SO VERT2	PY	.000927	.000927	0	0
5	SO VERT1	PY	.000927	.000927	0	0
6	SO PIPE	PY	.000708	.000708	0	0
7	SO DIAG	PY	.000927	.000927	0	0
8	MP ALPHA4	PY	.002	.002	0	0
9	MP ALPHA3	PY	.002	.002	0	0
10	MP ALPHA2	PY	.002	.002	0	0
11	MP ALPHA1	PY	.002	.002	0	0
12	KICKER4	PY	.000983	.000983	0	0
13	KICKER3	PY	.000983	.000983	0	0
14	KICKER2	PY	.000983	.000983	0	0
15	KICKER1	PY	.000983	.000983	0	0
16	KICKER DIAG4	PY	.000927	.000927	0	0
17	KICKER DIAG3	PY	.000927	.000927	0	0
18	KICKER DIAG2	PY	.000927	.000927	0	0
19	KICKER DIAG1	PY	.000927	.000927	0	0
20	FACE2	PY	.002	.002	0	0
21	FACE1	PY	.002	.002	0	0
22	FACE VERT3	PY	.002	.002	0	0
23	FACE VERT2	PY	.002	.002	0	0
24	FACE VERT1	PY	.002	.002	0	0
25	FACE DIAG2	PY	.002	.002	0	0
26	FACE DIAG1	PY	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
27	TIEBACK B	PY	.001	.001	0	0
28	SO2 B	PY	.002	.002	0	0
29	SO1 B	PY	.002	.002	0	0
30	SO VERT2 B	PY	.002	.002	0	0
31	SO VERT1 B	PY	.002	.002	0	0
32	SO PIPE B	PY	.001	.001	0	0
33	SO DIAG B	PY	.002	.002	0	0
34	MP BETA4	PY	.004	.004	0	0
35	MP BETA3	PY	.004	.004	0	0
36	MP BETA2	PY	.004	.004	0	0
37	MP BETA1	PY	.004	.004	0	0
38	KICKER4 B	PY	.002	.002	0	0
39	KICKER3 B	PY	.002	.002	0	0
40	KICKER2 B	PY	.002	.002	0	0
41	KICKER1 B	PY	.002	.002	0	0
42	KICKER DIAG4 B	PY	.002	.002	0	0
43	KICKER DIAG3 B	PY	.002	.002	0	0
44	KICKER DIAG2 B	PY	.002	.002	0	0
45	KICKER DIAG1 B	PY	.002	.002	0	0
46	FACE2 B	PY	.004	.004	0	0
47	FACE1 B	PY	.004	.004	0	0
48	FACE VERT3 B	PY	.003	.003	0	0
49	FACE VERT2 B	PY	.003	.003	0	0
50	FACE VERT1 B	PY	.003	.003	0	0
51	FACE DIAG2 B	PY	.003	.003	0	0
52	FACE DIAG1 B	PY	.003	.003	0	0
53	TIEBACK C	PY	.000641	.000641	0	0
54	SO2 C	PY	.000983	.000983	0	0
55	SO1 C	PY	.000983	.000983	0	0
56	SO VERT2 C	PY	.000927	.000927	0	0
57	SO VERT1 C	PY	.000927	.000927	0	0
58	SO PIPE C	PY	.000708	.000708	0	0
59	SO DIAG C	PY	.000927	.000927	0	0
60	MP GAMMA4	PY	.002	.002	0	0
61	MP GAMMA3	PY	.002	.002	0	0
62	MP GAMMA2	PY	.002	.002	0	0
63	MP GAMMA1	PY	.002	.002	0	0
64	KICKER4 C	PY	.000983	.000983	0	0
65	KICKER3 C	PY	.000983	.000983	0	0
66	KICKER2 C	PY	.000983	.000983	0	0
67	KICKER1 C	PY	.000983	.000983	0	0
68	KICKER DIAG4 C	PY	.000927	.000927	0	0
69	KICKER DIAG3 C	PY	.000927	.000927	0	0
70	KICKER DIAG2 C	PY	.000927	.000927	0	0
71	KICKER DIAG1 C	PY	.000927	.000927	0	0
72	FACE2 C	PY	.002	.002	0	0
73	FACE1 C	PY	.002	.002	0	0
74	FACE VERT3 C	PY	.002	.002	0	0
75	FACE VERT2 C	PY	.002	.002	0	0
76	FACE VERT1 C	PY	.002	.002	0	0
77	FACE DIAG2 C	PY	.002	.002	0	0
78	FACE DIAG1 C	PY	.002	.002	0	0
79	TIEBACK	PX	-.001	-.001	0	0
80	SO2	PX	-.002	-.002	0	0
81	SO1	PX	-.002	-.002	0	0
82	SO VERT2	PX	-.002	-.002	0	0
83	SO VERT1	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
84	SO PIPE	PX	-.001	-.001	0	0
85	SO DIAG	PX	-.002	-.002	0	0
86	MP ALPHA4	PX	-.003	-.003	0	0
87	MP ALPHA3	PX	-.003	-.003	0	0
88	MP ALPHA2	PX	-.003	-.003	0	0
89	MP ALPHA1	PX	-.003	-.003	0	0
90	KICKER4	PX	-.002	-.002	0	0
91	KICKER3	PX	-.002	-.002	0	0
92	KICKER2	PX	-.002	-.002	0	0
93	KICKER1	PX	-.002	-.002	0	0
94	KICKER DIAG4	PX	-.002	-.002	0	0
95	KICKER DIAG3	PX	-.002	-.002	0	0
96	KICKER DIAG2	PX	-.002	-.002	0	0
97	KICKER DIAG1	PX	-.002	-.002	0	0
98	FACE2	PX	-.003	-.003	0	0
99	FACE1	PX	-.003	-.003	0	0
100	FACE VERT3	PX	-.003	-.003	0	0
101	FACE VERT2	PX	-.003	-.003	0	0
102	FACE VERT1	PX	-.003	-.003	0	0
103	FACE DIAG2	PX	-.003	-.003	0	0
104	FACE DIAG1	PX	-.003	-.003	0	0
105	TIEBACK C	PX	-.001	-.001	0	0
106	SO2 C	PX	-.002	-.002	0	0
107	SO1 C	PX	-.002	-.002	0	0
108	SO VERT2 C	PX	-.002	-.002	0	0
109	SO VERT1 C	PX	-.002	-.002	0	0
110	SO PIPE C	PX	-.001	-.001	0	0
111	SO DIAG C	PX	-.002	-.002	0	0
112	MP GAMMA4	PX	-.003	-.003	0	0
113	MP GAMMA3	PX	-.003	-.003	0	0
114	MP GAMMA2	PX	-.003	-.003	0	0
115	MP GAMMA1	PX	-.003	-.003	0	0
116	KICKER4 C	PX	-.002	-.002	0	0
117	KICKER3 C	PX	-.002	-.002	0	0
118	KICKER2 C	PX	-.002	-.002	0	0
119	KICKER1 C	PX	-.002	-.002	0	0
120	KICKER DIAG4 C	PX	-.002	-.002	0	0
121	KICKER DIAG3 C	PX	-.002	-.002	0	0
122	KICKER DIAG2 C	PX	-.002	-.002	0	0
123	KICKER DIAG1 C	PX	-.002	-.002	0	0
124	FACE2 C	PX	-.003	-.003	0	0
125	FACE1 C	PX	-.003	-.003	0	0
126	FACE VERT3 C	PX	-.003	-.003	0	0
127	FACE VERT2 C	PX	-.003	-.003	0	0
128	FACE VERT1 C	PX	-.003	-.003	0	0
129	FACE DIAG2 C	PX	-.003	-.003	0	0
130	FACE DIAG1 C	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.001	.001	0	0
2	SO2	PY	.002	.002	0	0
3	SO1	PY	.002	.002	0	0
4	SO VERT2	PY	.002	.002	0	0
5	SO VERT1	PY	.002	.002	0	0
6	SO PIPE	PY	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
7	SO DIAG	PY	.002	.002	0	0
8	MP ALPHA4	PY	.003	.003	0	0
9	MP ALPHA3	PY	.003	.003	0	0
10	MP ALPHA2	PY	.003	.003	0	0
11	MP ALPHA1	PY	.003	.003	0	0
12	KICKER4	PY	.002	.002	0	0
13	KICKER3	PY	.002	.002	0	0
14	KICKER2	PY	.002	.002	0	0
15	KICKER1	PY	.002	.002	0	0
16	KICKER DIAG4	PY	.002	.002	0	0
17	KICKER DIAG3	PY	.002	.002	0	0
18	KICKER DIAG2	PY	.002	.002	0	0
19	KICKER DIAG1	PY	.002	.002	0	0
20	FACE2	PY	.003	.003	0	0
21	FACE1	PY	.003	.003	0	0
22	FACE VERT3	PY	.003	.003	0	0
23	FACE VERT2	PY	.003	.003	0	0
24	FACE VERT1	PY	.003	.003	0	0
25	FACE DIAG2	PY	.003	.003	0	0
26	FACE DIAG1	PY	.003	.003	0	0
27	TIEBACK B	PY	.001	.001	0	0
28	SO2 B	PY	.002	.002	0	0
29	SO1 B	PY	.002	.002	0	0
30	SO VERT2 B	PY	.002	.002	0	0
31	SO VERT1 B	PY	.002	.002	0	0
32	SO PIPE B	PY	.001	.001	0	0
33	SO DIAG B	PY	.002	.002	0	0
34	MP BETA4	PY	.003	.003	0	0
35	MP BETA3	PY	.003	.003	0	0
36	MP BETA2	PY	.003	.003	0	0
37	MP BETA1	PY	.003	.003	0	0
38	KICKER4 B	PY	.002	.002	0	0
39	KICKER3 B	PY	.002	.002	0	0
40	KICKER2 B	PY	.002	.002	0	0
41	KICKER1 B	PY	.002	.002	0	0
42	KICKER DIAG4 B	PY	.002	.002	0	0
43	KICKER DIAG3 B	PY	.002	.002	0	0
44	KICKER DIAG2 B	PY	.002	.002	0	0
45	KICKER DIAG1 B	PY	.002	.002	0	0
46	FACE2 B	PY	.003	.003	0	0
47	FACE1 B	PY	.003	.003	0	0
48	FACE VERT3 B	PY	.003	.003	0	0
49	FACE VERT2 B	PY	.003	.003	0	0
50	FACE VERT1 B	PY	.003	.003	0	0
51	FACE DIAG2 B	PY	.003	.003	0	0
52	FACE DIAG1 B	PY	.003	.003	0	0
53	TIEBACK C	PX	-.003	-.003	0	0
54	SO2 C	PX	-.005	-.005	0	0
55	SO1 C	PX	-.005	-.005	0	0
56	SO VERT2 C	PX	-.009	-.009	0	0
57	SO VERT1 C	PX	-.009	-.009	0	0
58	SO PIPE C	PX	-.007	-.007	0	0
59	SO DIAG C	PX	-.005	-.005	0	0
60	MP GAMMA4	PX	-.004	-.004	0	0
61	MP GAMMA3	PX	-.004	-.004	0	0
62	MP GAMMA2	PX	-.004	-.004	0	0
63	MP GAMMA1	PX	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
64	KICKER4 C	PX	-.009	-.009	0	0
65	KICKER3 C	PX	-.009	-.009	0	0
66	KICKER2 C	PX	-.009	-.009	0	0
67	KICKER1 C	PX	-.009	-.009	0	0
68	KICKER DIAG4 C	PX	-.009	-.009	0	0
69	KICKER DIAG3 C	PX	-.009	-.009	0	0
70	KICKER DIAG2 C	PX	-.009	-.009	0	0
71	KICKER DIAG1 C	PX	-.009	-.009	0	0
72	FACE2 C	PX	-.006	-.006	0	0
73	FACE1 C	PX	-.006	-.006	0	0
74	FACE VERT3 C	PX	-.005	-.005	0	0
75	FACE VERT2 C	PX	-.005	-.005	0	0
76	FACE VERT1 C	PX	-.005	-.005	0	0
77	FACE DIAG2 C	PX	-.005	-.005	0	0
78	FACE DIAG1 C	PX	-.005	-.005	0	0
79	TIEBACK	PX	-.000641	-.000641	0	0
80	SO2	PX	-.000983	-.000983	0	0
81	SO1	PX	-.000983	-.000983	0	0
82	SO VERT2	PX	-.000927	-.000927	0	0
83	SO VERT1	PX	-.000927	-.000927	0	0
84	SO PIPE	PX	-.000708	-.000708	0	0
85	SO DIAG	PX	-.000927	-.000927	0	0
86	MP ALPHA4	PX	-.002	-.002	0	0
87	MP ALPHA3	PX	-.002	-.002	0	0
88	MP ALPHA2	PX	-.002	-.002	0	0
89	MP ALPHA1	PX	-.002	-.002	0	0
90	KICKER4	PX	-.000983	-.000983	0	0
91	KICKER3	PX	-.000983	-.000983	0	0
92	KICKER2	PX	-.000983	-.000983	0	0
93	KICKER1	PX	-.000983	-.000983	0	0
94	KICKER DIAG4	PX	-.000927	-.000927	0	0
95	KICKER DIAG3	PX	-.000927	-.000927	0	0
96	KICKER DIAG2	PX	-.000927	-.000927	0	0
97	KICKER DIAG1	PX	-.000927	-.000927	0	0
98	FACE2	PX	-.002	-.002	0	0
99	FACE1	PX	-.002	-.002	0	0
100	FACE VERT3	PX	-.002	-.002	0	0
101	FACE VERT2	PX	-.002	-.002	0	0
102	FACE VERT1	PX	-.002	-.002	0	0
103	FACE DIAG2	PX	-.002	-.002	0	0
104	FACE DIAG1	PX	-.002	-.002	0	0
105	TIEBACK B	PX	-.000641	-.000641	0	0
106	SO2 B	PX	-.000983	-.000983	0	0
107	SO1 B	PX	-.000983	-.000983	0	0
108	SO VERT2 B	PX	-.000927	-.000927	0	0
109	SO VERT1 B	PX	-.000927	-.000927	0	0
110	SO PIPE B	PX	-.000708	-.000708	0	0
111	SO DIAG B	PX	-.000927	-.000927	0	0
112	MP BETA4	PX	-.002	-.002	0	0
113	MP BETA3	PX	-.002	-.002	0	0
114	MP BETA2	PX	-.002	-.002	0	0
115	MP BETA1	PX	-.002	-.002	0	0
116	KICKER4 B	PX	-.000983	-.000983	0	0
117	KICKER3 B	PX	-.000983	-.000983	0	0
118	KICKER2 B	PX	-.000983	-.000983	0	0
119	KICKER1 B	PX	-.000983	-.000983	0	0
120	KICKER DIAG4 B	PX	-.000927	-.000927	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
121	KICKER DIAG3 B	PX	-.000927	-.000927	0	0
122	KICKER DIAG2 B	PX	-.000927	-.000927	0	0
123	KICKER DIAG1 B	PX	-.000927	-.000927	0	0
124	FACE2 B	PX	-.002	-.002	0	0
125	FACE1 B	PX	-.002	-.002	0	0
126	FACE VERT3 B	PX	-.002	-.002	0	0
127	FACE VERT2 B	PX	-.002	-.002	0	0
128	FACE VERT1 B	PX	-.002	-.002	0	0
129	FACE DIAG2 B	PX	-.002	-.002	0	0
130	FACE DIAG1 B	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.001	.001	0	0
2	SO2	PY	.002	.002	0	0
3	SO1	PY	.002	.002	0	0
4	SO VERT2	PY	.002	.002	0	0
5	SO VERT1	PY	.002	.002	0	0
6	SO PIPE	PY	.001	.001	0	0
7	SO DIAG	PY	.002	.002	0	0
8	MP ALPHA4	PY	.004	.004	0	0
9	MP ALPHA3	PY	.004	.004	0	0
10	MP ALPHA2	PY	.004	.004	0	0
11	MP ALPHA1	PY	.004	.004	0	0
12	KICKER4	PY	.002	.002	0	0
13	KICKER3	PY	.002	.002	0	0
14	KICKER2	PY	.002	.002	0	0
15	KICKER1	PY	.002	.002	0	0
16	KICKER DIAG4	PY	.002	.002	0	0
17	KICKER DIAG3	PY	.002	.002	0	0
18	KICKER DIAG2	PY	.002	.002	0	0
19	KICKER DIAG1	PY	.002	.002	0	0
20	FACE2	PY	.004	.004	0	0
21	FACE1	PY	.004	.004	0	0
22	FACE VERT3	PY	.003	.003	0	0
23	FACE VERT2	PY	.003	.003	0	0
24	FACE VERT1	PY	.003	.003	0	0
25	FACE DIAG2	PY	.003	.003	0	0
26	FACE DIAG1	PY	.003	.003	0	0
27	TIEBACK B	PY	.000641	.000641	0	0
28	SO2 B	PY	.000983	.000983	0	0
29	SO1 B	PY	.000983	.000983	0	0
30	SO VERT2 B	PY	.000927	.000927	0	0
31	SO VERT1 B	PY	.000927	.000927	0	0
32	SO PIPE B	PY	.000708	.000708	0	0
33	SO DIAG B	PY	.000927	.000927	0	0
34	MP BETA4	PY	.002	.002	0	0
35	MP BETA3	PY	.002	.002	0	0
36	MP BETA2	PY	.002	.002	0	0
37	MP BETA1	PY	.002	.002	0	0
38	KICKER4 B	PY	.000983	.000983	0	0
39	KICKER3 B	PY	.000983	.000983	0	0
40	KICKER2 B	PY	.000983	.000983	0	0
41	KICKER1 B	PY	.000983	.000983	0	0
42	KICKER DIAG4 B	PY	.000927	.000927	0	0
43	KICKER DIAG3 B	PY	.000927	.000927	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
44	KICKER DIAG2 B	PY	.000927	.000927	0	0
45	KICKER DIAG1 B	PY	.000927	.000927	0	0
46	FACE2 B	PY	.002	.002	0	0
47	FACE1 B	PY	.002	.002	0	0
48	FACE VERT3 B	PY	.002	.002	0	0
49	FACE VERT2 B	PY	.002	.002	0	0
50	FACE VERT1 B	PY	.002	.002	0	0
51	FACE DIAG2 B	PY	.002	.002	0	0
52	FACE DIAG1 B	PY	.002	.002	0	0
53	TIEBACK C	PY	.000641	.000641	0	0
54	SO2 C	PY	.000983	.000983	0	0
55	SO1 C	PY	.000983	.000983	0	0
56	SO VERT2 C	PY	.000927	.000927	0	0
57	SO VERT1 C	PY	.000927	.000927	0	0
58	SO PIPE C	PY	.000708	.000708	0	0
59	SO DIAG C	PY	.000927	.000927	0	0
60	MP GAMMA4	PY	.002	.002	0	0
61	MP GAMMA3	PY	.002	.002	0	0
62	MP GAMMA2	PY	.002	.002	0	0
63	MP GAMMA1	PY	.002	.002	0	0
64	KICKER4 C	PY	.000983	.000983	0	0
65	KICKER3 C	PY	.000983	.000983	0	0
66	KICKER2 C	PY	.000983	.000983	0	0
67	KICKER1 C	PY	.000983	.000983	0	0
68	KICKER DIAG4 C	PY	.000927	.000927	0	0
69	KICKER DIAG3 C	PY	.000927	.000927	0	0
70	KICKER DIAG2 C	PY	.000927	.000927	0	0
71	KICKER DIAG1 C	PY	.000927	.000927	0	0
72	FACE2 C	PY	.002	.002	0	0
73	FACE1 C	PY	.002	.002	0	0
74	FACE VERT3 C	PY	.002	.002	0	0
75	FACE VERT2 C	PY	.002	.002	0	0
76	FACE VERT1 C	PY	.002	.002	0	0
77	FACE DIAG2 C	PY	.002	.002	0	0
78	FACE DIAG1 C	PY	.002	.002	0	0
79	TIEBACK B	PX	-.001	-.001	0	0
80	SO2 B	PX	-.002	-.002	0	0
81	SO1 B	PX	-.002	-.002	0	0
82	SO VERT2 B	PX	-.002	-.002	0	0
83	SO VERT1 B	PX	-.002	-.002	0	0
84	SO PIPE B	PX	-.001	-.001	0	0
85	SO DIAG B	PX	-.002	-.002	0	0
86	MP BETA4	PX	-.003	-.003	0	0
87	MP BETA3	PX	-.003	-.003	0	0
88	MP BETA2	PX	-.003	-.003	0	0
89	MP BETA1	PX	-.003	-.003	0	0
90	KICKER4 B	PX	-.002	-.002	0	0
91	KICKER3 B	PX	-.002	-.002	0	0
92	KICKER2 B	PX	-.002	-.002	0	0
93	KICKER1 B	PX	-.002	-.002	0	0
94	KICKER DIAG4 B	PX	-.002	-.002	0	0
95	KICKER DIAG3 B	PX	-.002	-.002	0	0
96	KICKER DIAG2 B	PX	-.002	-.002	0	0
97	KICKER DIAG1 B	PX	-.002	-.002	0	0
98	FACE2 B	PX	-.003	-.003	0	0
99	FACE1 B	PX	-.003	-.003	0	0
100	FACE VERT3 B	PX	-.003	-.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
101	FACE VERT2 B	PX	-.003	-.003	0	0
102	FACE VERT1 B	PX	-.003	-.003	0	0
103	FACE DIAG2 B	PX	-.003	-.003	0	0
104	FACE DIAG1 B	PX	-.003	-.003	0	0
105	TIEBACK C	PX	.001	.001	0	0
106	SO2 C	PX	.002	.002	0	0
107	SO1 C	PX	.002	.002	0	0
108	SO VERT2 C	PX	.002	.002	0	0
109	SO VERT1 C	PX	.002	.002	0	0
110	SO PIPE C	PX	.001	.001	0	0
111	SO DIAG C	PX	.002	.002	0	0
112	MP GAMMA4	PX	.003	.003	0	0
113	MP GAMMA3	PX	.003	.003	0	0
114	MP GAMMA2	PX	.003	.003	0	0
115	MP GAMMA1	PX	.003	.003	0	0
116	KICKER4 C	PX	.002	.002	0	0
117	KICKER3 C	PX	.002	.002	0	0
118	KICKER2 C	PX	.002	.002	0	0
119	KICKER1 C	PX	.002	.002	0	0
120	KICKER DIAG4 C	PX	.002	.002	0	0
121	KICKER DIAG3 C	PX	.002	.002	0	0
122	KICKER DIAG2 C	PX	.002	.002	0	0
123	KICKER DIAG1 C	PX	.002	.002	0	0
124	FACE2 C	PX	.003	.003	0	0
125	FACE1 C	PX	.003	.003	0	0
126	FACE VERT3 C	PX	.003	.003	0	0
127	FACE VERT2 C	PX	.003	.003	0	0
128	FACE VERT1 C	PX	.003	.003	0	0
129	FACE DIAG2 C	PX	.003	.003	0	0
130	FACE DIAG1 C	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.001	.001	0	0
2	SO2	PY	.002	.002	0	0
3	SO1	PY	.002	.002	0	0
4	SO VERT2	PY	.002	.002	0	0
5	SO VERT1	PY	.002	.002	0	0
6	SO PIPE	PY	.001	.001	0	0
7	SO DIAG	PY	.002	.002	0	0
8	MP ALPHA4	PY	.003	.003	0	0
9	MP ALPHA3	PY	.003	.003	0	0
10	MP ALPHA2	PY	.003	.003	0	0
11	MP ALPHA1	PY	.003	.003	0	0
12	KICKER4	PY	.002	.002	0	0
13	KICKER3	PY	.002	.002	0	0
14	KICKER2	PY	.002	.002	0	0
15	KICKER1	PY	.002	.002	0	0
16	KICKER DIAG4	PY	.002	.002	0	0
17	KICKER DIAG3	PY	.002	.002	0	0
18	KICKER DIAG2	PY	.002	.002	0	0
19	KICKER DIAG1	PY	.002	.002	0	0
20	FACE2	PY	.003	.003	0	0
21	FACE1	PY	.003	.003	0	0
22	FACE VERT3	PY	.003	.003	0	0
23	FACE VERT2	PY	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
24	FACE VERT1	PY	.003	.003	0	0
25	FACE DIAG2	PY	.003	.003	0	0
26	FACE DIAG1	PY	.003	.003	0	0
27	TIEBACK B	PX	.003	.003	0	0
28	SO2 B	PX	.005	.005	0	0
29	SO1 B	PX	.005	.005	0	0
30	SO VERT2 B	PX	.009	.009	0	0
31	SO VERT1 B	PX	.009	.009	0	0
32	SO PIPE B	PX	.007	.007	0	0
33	SO DIAG B	PX	.005	.005	0	0
34	MP BETA4	PX	.004	.004	0	0
35	MP BETA3	PX	.004	.004	0	0
36	MP BETA2	PX	.004	.004	0	0
37	MP BETA1	PX	.004	.004	0	0
38	KICKER4 B	PX	.009	.009	0	0
39	KICKER3 B	PX	.009	.009	0	0
40	KICKER2 B	PX	.009	.009	0	0
41	KICKER1 B	PX	.009	.009	0	0
42	KICKER DIAG4 B	PX	.009	.009	0	0
43	KICKER DIAG3 B	PX	.009	.009	0	0
44	KICKER DIAG2 B	PX	.009	.009	0	0
45	KICKER DIAG1 B	PX	.009	.009	0	0
46	FACE2 B	PX	.006	.006	0	0
47	FACE1 B	PX	.006	.006	0	0
48	FACE VERT3 B	PX	.005	.005	0	0
49	FACE VERT2 B	PX	.005	.005	0	0
50	FACE VERT1 B	PX	.005	.005	0	0
51	FACE DIAG2 B	PX	.005	.005	0	0
52	FACE DIAG1 B	PX	.005	.005	0	0
53	TIEBACK C	PY	.001	.001	0	0
54	SO2 C	PY	.002	.002	0	0
55	SO1 C	PY	.002	.002	0	0
56	SO VERT2 C	PY	.002	.002	0	0
57	SO VERT1 C	PY	.002	.002	0	0
58	SO PIPE C	PY	.001	.001	0	0
59	SO DIAG C	PY	.002	.002	0	0
60	MP GAMMA4	PY	.003	.003	0	0
61	MP GAMMA3	PY	.003	.003	0	0
62	MP GAMMA2	PY	.003	.003	0	0
63	MP GAMMA1	PY	.003	.003	0	0
64	KICKER4 C	PY	.002	.002	0	0
65	KICKER3 C	PY	.002	.002	0	0
66	KICKER2 C	PY	.002	.002	0	0
67	KICKER1 C	PY	.002	.002	0	0
68	KICKER DIAG4 C	PY	.002	.002	0	0
69	KICKER DIAG3 C	PY	.002	.002	0	0
70	KICKER DIAG2 C	PY	.002	.002	0	0
71	KICKER DIAG1 C	PY	.002	.002	0	0
72	FACE2 C	PY	.003	.003	0	0
73	FACE1 C	PY	.003	.003	0	0
74	FACE VERT3 C	PY	.003	.003	0	0
75	FACE VERT2 C	PY	.003	.003	0	0
76	FACE VERT1 C	PY	.003	.003	0	0
77	FACE DIAG2 C	PY	.003	.003	0	0
78	FACE DIAG1 C	PY	.003	.003	0	0
79	TIEBACK	PX	.000641	.000641	0	0
80	SO2	PX	.000983	.000983	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
81	SO1	PX	.000983	.000983	0	0
82	SO VERT2	PX	.000927	.000927	0	0
83	SO VERT1	PX	.000927	.000927	0	0
84	SO PIPE	PX	.000708	.000708	0	0
85	SO DIAG	PX	.000927	.000927	0	0
86	MP ALPHA4	PX	.002	.002	0	0
87	MP ALPHA3	PX	.002	.002	0	0
88	MP ALPHA2	PX	.002	.002	0	0
89	MP ALPHA1	PX	.002	.002	0	0
90	KICKER4	PX	.000983	.000983	0	0
91	KICKER3	PX	.000983	.000983	0	0
92	KICKER2	PX	.000983	.000983	0	0
93	KICKER1	PX	.000983	.000983	0	0
94	KICKER DIAG4	PX	.000927	.000927	0	0
95	KICKER DIAG3	PX	.000927	.000927	0	0
96	KICKER DIAG2	PX	.000927	.000927	0	0
97	KICKER DIAG1	PX	.000927	.000927	0	0
98	FACE2	PX	.002	.002	0	0
99	FACE1	PX	.002	.002	0	0
100	FACE VERT3	PX	.002	.002	0	0
101	FACE VERT2	PX	.002	.002	0	0
102	FACE VERT1	PX	.002	.002	0	0
103	FACE DIAG2	PX	.002	.002	0	0
104	FACE DIAG1	PX	.002	.002	0	0
105	TIEBACK C	PX	.000641	.000641	0	0
106	SO2 C	PX	.000983	.000983	0	0
107	SO1 C	PX	.000983	.000983	0	0
108	SO VERT2 C	PX	.000927	.000927	0	0
109	SO VERT1 C	PX	.000927	.000927	0	0
110	SO PIPE C	PX	.000708	.000708	0	0
111	SO DIAG C	PX	.000927	.000927	0	0
112	MP GAMMA4	PX	.002	.002	0	0
113	MP GAMMA3	PX	.002	.002	0	0
114	MP GAMMA2	PX	.002	.002	0	0
115	MP GAMMA1	PX	.002	.002	0	0
116	KICKER4 C	PX	.000983	.000983	0	0
117	KICKER3 C	PX	.000983	.000983	0	0
118	KICKER2 C	PX	.000983	.000983	0	0
119	KICKER1 C	PX	.000983	.000983	0	0
120	KICKER DIAG4 C	PX	.000927	.000927	0	0
121	KICKER DIAG3 C	PX	.000927	.000927	0	0
122	KICKER DIAG2 C	PX	.000927	.000927	0	0
123	KICKER DIAG1 C	PX	.000927	.000927	0	0
124	FACE2 C	PX	.002	.002	0	0
125	FACE1 C	PX	.002	.002	0	0
126	FACE VERT3 C	PX	.002	.002	0	0
127	FACE VERT2 C	PX	.002	.002	0	0
128	FACE VERT1 C	PX	.002	.002	0	0
129	FACE DIAG2 C	PX	.002	.002	0	0
130	FACE DIAG1 C	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	.000641	.000641	0	0
2	SO2	PY	.000983	.000983	0	0
3	SO1	PY	.000983	.000983	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
4	SO VERT2	PY	.000927	.000927	0	0
5	SO VERT1	PY	.000927	.000927	0	0
6	SO PIPE	PY	.000708	.000708	0	0
7	SO DIAG	PY	.000927	.000927	0	0
8	MP ALPHA4	PY	.002	.002	0	0
9	MP ALPHA3	PY	.002	.002	0	0
10	MP ALPHA2	PY	.002	.002	0	0
11	MP ALPHA1	PY	.002	.002	0	0
12	KICKER4	PY	.000983	.000983	0	0
13	KICKER3	PY	.000983	.000983	0	0
14	KICKER2	PY	.000983	.000983	0	0
15	KICKER1	PY	.000983	.000983	0	0
16	KICKER DIAG4	PY	.000927	.000927	0	0
17	KICKER DIAG3	PY	.000927	.000927	0	0
18	KICKER DIAG2	PY	.000927	.000927	0	0
19	KICKER DIAG1	PY	.000927	.000927	0	0
20	FACE2	PY	.002	.002	0	0
21	FACE1	PY	.002	.002	0	0
22	FACE VERT3	PY	.002	.002	0	0
23	FACE VERT2	PY	.002	.002	0	0
24	FACE VERT1	PY	.002	.002	0	0
25	FACE DIAG2	PY	.002	.002	0	0
26	FACE DIAG1	PY	.002	.002	0	0
27	TIEBACK B	PY	.000641	.000641	0	0
28	SO2 B	PY	.000983	.000983	0	0
29	SO1 B	PY	.000983	.000983	0	0
30	SO VERT2 B	PY	.000927	.000927	0	0
31	SO VERT1 B	PY	.000927	.000927	0	0
32	SO PIPE B	PY	.000708	.000708	0	0
33	SO DIAG B	PY	.000927	.000927	0	0
34	MP BETA4	PY	.002	.002	0	0
35	MP BETA3	PY	.002	.002	0	0
36	MP BETA2	PY	.002	.002	0	0
37	MP BETA1	PY	.002	.002	0	0
38	KICKER4 B	PY	.000983	.000983	0	0
39	KICKER3 B	PY	.000983	.000983	0	0
40	KICKER2 B	PY	.000983	.000983	0	0
41	KICKER1 B	PY	.000983	.000983	0	0
42	KICKER DIAG4 B	PY	.000927	.000927	0	0
43	KICKER DIAG3 B	PY	.000927	.000927	0	0
44	KICKER DIAG2 B	PY	.000927	.000927	0	0
45	KICKER DIAG1 B	PY	.000927	.000927	0	0
46	FACE2 B	PY	.002	.002	0	0
47	FACE1 B	PY	.002	.002	0	0
48	FACE VERT3 B	PY	.002	.002	0	0
49	FACE VERT2 B	PY	.002	.002	0	0
50	FACE VERT1 B	PY	.002	.002	0	0
51	FACE DIAG2 B	PY	.002	.002	0	0
52	FACE DIAG1 B	PY	.002	.002	0	0
53	TIEBACK C	PY	.001	.001	0	0
54	SO2 C	PY	.002	.002	0	0
55	SO1 C	PY	.002	.002	0	0
56	SO VERT2 C	PY	.002	.002	0	0
57	SO VERT1 C	PY	.002	.002	0	0
58	SO PIPE C	PY	.001	.001	0	0
59	SO DIAG C	PY	.002	.002	0	0
60	MP GAMMA4	PY	.004	.004	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
61	MP GAMMA3	PY	.004	.004	0	0
62	MP GAMMA2	PY	.004	.004	0	0
63	MP GAMMA1	PY	.004	.004	0	0
64	KICKER4 C	PY	.002	.002	0	0
65	KICKER3 C	PY	.002	.002	0	0
66	KICKER2 C	PY	.002	.002	0	0
67	KICKER1 C	PY	.002	.002	0	0
68	KICKER DIAG4 C	PY	.002	.002	0	0
69	KICKER DIAG3 C	PY	.002	.002	0	0
70	KICKER DIAG2 C	PY	.002	.002	0	0
71	KICKER DIAG1 C	PY	.002	.002	0	0
72	FACE2 C	PY	.004	.004	0	0
73	FACE1 C	PY	.004	.004	0	0
74	FACE VERT3 C	PY	.003	.003	0	0
75	FACE VERT2 C	PY	.003	.003	0	0
76	FACE VERT1 C	PY	.003	.003	0	0
77	FACE DIAG2 C	PY	.003	.003	0	0
78	FACE DIAG1 C	PY	.003	.003	0	0
79	TIEBACK	PX	.001	.001	0	0
80	SO2	PX	.002	.002	0	0
81	SO1	PX	.002	.002	0	0
82	SO VERT2	PX	.002	.002	0	0
83	SO VERT1	PX	.002	.002	0	0
84	SO PIPE	PX	.001	.001	0	0
85	SO DIAG	PX	.002	.002	0	0
86	MP ALPHA4	PX	.003	.003	0	0
87	MP ALPHA3	PX	.003	.003	0	0
88	MP ALPHA2	PX	.003	.003	0	0
89	MP ALPHA1	PX	.003	.003	0	0
90	KICKER4	PX	.002	.002	0	0
91	KICKER3	PX	.002	.002	0	0
92	KICKER2	PX	.002	.002	0	0
93	KICKER1	PX	.002	.002	0	0
94	KICKER DIAG4	PX	.002	.002	0	0
95	KICKER DIAG3	PX	.002	.002	0	0
96	KICKER DIAG2	PX	.002	.002	0	0
97	KICKER DIAG1	PX	.002	.002	0	0
98	FACE2	PX	.003	.003	0	0
99	FACE1	PX	.003	.003	0	0
100	FACE VERT3	PX	.003	.003	0	0
101	FACE VERT2	PX	.003	.003	0	0
102	FACE VERT1	PX	.003	.003	0	0
103	FACE DIAG2	PX	.003	.003	0	0
104	FACE DIAG1	PX	.003	.003	0	0
105	TIEBACK B	PX	.001	.001	0	0
106	SO2 B	PX	.002	.002	0	0
107	SO1 B	PX	.002	.002	0	0
108	SO VERT2 B	PX	.002	.002	0	0
109	SO VERT1 B	PX	.002	.002	0	0
110	SO PIPE B	PX	.001	.001	0	0
111	SO DIAG B	PX	.002	.002	0	0
112	MP BETA4	PX	.003	.003	0	0
113	MP BETA3	PX	.003	.003	0	0
114	MP BETA2	PX	.003	.003	0	0
115	MP BETA1	PX	.003	.003	0	0
116	KICKER4 B	PX	.002	.002	0	0
117	KICKER3 B	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
118	KICKER2 B	PX	.002	.002	0	0
119	KICKER1 B	PX	.002	.002	0	0
120	KICKER DIAG4 B	PX	.002	.002	0	0
121	KICKER DIAG3 B	PX	.002	.002	0	0
122	KICKER DIAG2 B	PX	.002	.002	0	0
123	KICKER DIAG1 B	PX	.002	.002	0	0
124	FACE2 B	PX	.003	.003	0	0
125	FACE1 B	PX	.003	.003	0	0
126	FACE VERT3 B	PX	.003	.003	0	0
127	FACE VERT2 B	PX	.003	.003	0	0
128	FACE VERT1 B	PX	.003	.003	0	0
129	FACE DIAG2 B	PX	.003	.003	0	0
130	FACE DIAG1 B	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PX	.003	.003	0	0
2	SO2	PX	.005	.005	0	0
3	SO1	PX	.005	.005	0	0
4	SO VERT2	PX	.009	.009	0	0
5	SO VERT1	PX	.009	.009	0	0
6	SO PIPE	PX	.007	.007	0	0
7	SO DIAG	PX	.005	.005	0	0
8	MP ALPHA4	PX	.004	.004	0	0
9	MP ALPHA3	PX	.004	.004	0	0
10	MP ALPHA2	PX	.004	.004	0	0
11	MP ALPHA1	PX	.004	.004	0	0
12	KICKER4	PX	.009	.009	0	0
13	KICKER3	PX	.009	.009	0	0
14	KICKER2	PX	.009	.009	0	0
15	KICKER1	PX	.009	.009	0	0
16	KICKER DIAG4	PX	.009	.009	0	0
17	KICKER DIAG3	PX	.009	.009	0	0
18	KICKER DIAG2	PX	.009	.009	0	0
19	KICKER DIAG1	PX	.009	.009	0	0
20	FACE2	PX	.006	.006	0	0
21	FACE1	PX	.006	.006	0	0
22	FACE VERT3	PX	.005	.005	0	0
23	FACE VERT2	PX	.005	.005	0	0
24	FACE VERT1	PX	.005	.005	0	0
25	FACE DIAG2	PX	.005	.005	0	0
26	FACE DIAG1	PX	.005	.005	0	0
27	TIEBACK B	PY	-.001	-.001	0	0
28	SO2 B	PY	-.002	-.002	0	0
29	SO1 B	PY	-.002	-.002	0	0
30	SO VERT2 B	PY	-.002	-.002	0	0
31	SO VERT1 B	PY	-.002	-.002	0	0
32	SO PIPE B	PY	-.001	-.001	0	0
33	SO DIAG B	PY	-.002	-.002	0	0
34	MP BETA4	PY	-.003	-.003	0	0
35	MP BETA3	PY	-.003	-.003	0	0
36	MP BETA2	PY	-.003	-.003	0	0
37	MP BETA1	PY	-.003	-.003	0	0
38	KICKER4 B	PY	-.002	-.002	0	0
39	KICKER3 B	PY	-.002	-.002	0	0
40	KICKER2 B	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
41	KICKER1 B	PY	-.002	-.002	0	0
42	KICKER DIAG4 B	PY	-.002	-.002	0	0
43	KICKER DIAG3 B	PY	-.002	-.002	0	0
44	KICKER DIAG2 B	PY	-.002	-.002	0	0
45	KICKER DIAG1 B	PY	-.002	-.002	0	0
46	FACE2 B	PY	-.003	-.003	0	0
47	FACE1 B	PY	-.003	-.003	0	0
48	FACE VERT3 B	PY	-.003	-.003	0	0
49	FACE VERT2 B	PY	-.003	-.003	0	0
50	FACE VERT1 B	PY	-.003	-.003	0	0
51	FACE DIAG2 B	PY	-.003	-.003	0	0
52	FACE DIAG1 B	PY	-.003	-.003	0	0
53	TIEBACK C	PY	.001	.001	0	0
54	SO2 C	PY	.002	.002	0	0
55	SO1 C	PY	.002	.002	0	0
56	SO VERT2 C	PY	.002	.002	0	0
57	SO VERT1 C	PY	.002	.002	0	0
58	SO PIPE C	PY	.001	.001	0	0
59	SO DIAG C	PY	.002	.002	0	0
60	MP GAMMA4	PY	.003	.003	0	0
61	MP GAMMA3	PY	.003	.003	0	0
62	MP GAMMA2	PY	.003	.003	0	0
63	MP GAMMA1	PY	.003	.003	0	0
64	KICKER4 C	PY	.002	.002	0	0
65	KICKER3 C	PY	.002	.002	0	0
66	KICKER2 C	PY	.002	.002	0	0
67	KICKER1 C	PY	.002	.002	0	0
68	KICKER DIAG4 C	PY	.002	.002	0	0
69	KICKER DIAG3 C	PY	.002	.002	0	0
70	KICKER DIAG2 C	PY	.002	.002	0	0
71	KICKER DIAG1 C	PY	.002	.002	0	0
72	FACE2 C	PY	.003	.003	0	0
73	FACE1 C	PY	.003	.003	0	0
74	FACE VERT3 C	PY	.003	.003	0	0
75	FACE VERT2 C	PY	.003	.003	0	0
76	FACE VERT1 C	PY	.003	.003	0	0
77	FACE DIAG2 C	PY	.003	.003	0	0
78	FACE DIAG1 C	PY	.003	.003	0	0
79	TIEBACK B	PX	.000641	.000641	0	0
80	SO2 B	PX	.000983	.000983	0	0
81	SO1 B	PX	.000983	.000983	0	0
82	SO VERT2 B	PX	.000927	.000927	0	0
83	SO VERT1 B	PX	.000927	.000927	0	0
84	SO PIPE B	PX	.000708	.000708	0	0
85	SO DIAG B	PX	.000927	.000927	0	0
86	MP BETA4	PX	.002	.002	0	0
87	MP BETA3	PX	.002	.002	0	0
88	MP BETA2	PX	.002	.002	0	0
89	MP BETA1	PX	.002	.002	0	0
90	KICKER4 B	PX	.000983	.000983	0	0
91	KICKER3 B	PX	.000983	.000983	0	0
92	KICKER2 B	PX	.000983	.000983	0	0
93	KICKER1 B	PX	.000983	.000983	0	0
94	KICKER DIAG4 B	PX	.000927	.000927	0	0
95	KICKER DIAG3 B	PX	.000927	.000927	0	0
96	KICKER DIAG2 B	PX	.000927	.000927	0	0
97	KICKER DIAG1 B	PX	.000927	.000927	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
98	FACE2 B	PX	.002	.002	0	0
99	FACE1 B	PX	.002	.002	0	0
100	FACE VERT3 B	PX	.002	.002	0	0
101	FACE VERT2 B	PX	.002	.002	0	0
102	FACE VERT1 B	PX	.002	.002	0	0
103	FACE DIAG2 B	PX	.002	.002	0	0
104	FACE DIAG1 B	PX	.002	.002	0	0
105	TIEBACK C	PX	.000641	.000641	0	0
106	SO2 C	PX	.000983	.000983	0	0
107	SO1 C	PX	.000983	.000983	0	0
108	SO VERT2 C	PX	.000927	.000927	0	0
109	SO VERT1 C	PX	.000927	.000927	0	0
110	SO PIPE C	PX	.000708	.000708	0	0
111	SO DIAG C	PX	.000927	.000927	0	0
112	MP GAMMA4	PX	.002	.002	0	0
113	MP GAMMA3	PX	.002	.002	0	0
114	MP GAMMA2	PX	.002	.002	0	0
115	MP GAMMA1	PX	.002	.002	0	0
116	KICKER4 C	PX	.000983	.000983	0	0
117	KICKER3 C	PX	.000983	.000983	0	0
118	KICKER2 C	PX	.000983	.000983	0	0
119	KICKER1 C	PX	.000983	.000983	0	0
120	KICKER DIAG4 C	PX	.000927	.000927	0	0
121	KICKER DIAG3 C	PX	.000927	.000927	0	0
122	KICKER DIAG2 C	PX	.000927	.000927	0	0
123	KICKER DIAG1 C	PX	.000927	.000927	0	0
124	FACE2 C	PX	.002	.002	0	0
125	FACE1 C	PX	.002	.002	0	0
126	FACE VERT3 C	PX	.002	.002	0	0
127	FACE VERT2 C	PX	.002	.002	0	0
128	FACE VERT1 C	PX	.002	.002	0	0
129	FACE DIAG2 C	PX	.002	.002	0	0
130	FACE DIAG1 C	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.000641	-.000641	0	0
2	SO2	PY	-.000983	-.000983	0	0
3	SO1	PY	-.000983	-.000983	0	0
4	SO VERT2	PY	-.000927	-.000927	0	0
5	SO VERT1	PY	-.000927	-.000927	0	0
6	SO PIPE	PY	-.000708	-.000708	0	0
7	SO DIAG	PY	-.000927	-.000927	0	0
8	MP ALPHA4	PY	-.002	-.002	0	0
9	MP ALPHA3	PY	-.002	-.002	0	0
10	MP ALPHA2	PY	-.002	-.002	0	0
11	MP ALPHA1	PY	-.002	-.002	0	0
12	KICKER4	PY	-.000983	-.000983	0	0
13	KICKER3	PY	-.000983	-.000983	0	0
14	KICKER2	PY	-.000983	-.000983	0	0
15	KICKER1	PY	-.000983	-.000983	0	0
16	KICKER DIAG4	PY	-.000927	-.000927	0	0
17	KICKER DIAG3	PY	-.000927	-.000927	0	0
18	KICKER DIAG2	PY	-.000927	-.000927	0	0
19	KICKER DIAG1	PY	-.000927	-.000927	0	0
20	FACE2	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
21	FACE1	PY	-.002	-.002	0	0
22	FACE VERT3	PY	-.002	-.002	0	0
23	FACE VERT2	PY	-.002	-.002	0	0
24	FACE VERT1	PY	-.002	-.002	0	0
25	FACE DIAG2	PY	-.002	-.002	0	0
26	FACE DIAG1	PY	-.002	-.002	0	0
27	TIEBACK B	PY	-.001	-.001	0	0
28	SO2 B	PY	-.002	-.002	0	0
29	SO1 B	PY	-.002	-.002	0	0
30	SO VERT2 B	PY	-.002	-.002	0	0
31	SO VERT1 B	PY	-.002	-.002	0	0
32	SO PIPE B	PY	-.001	-.001	0	0
33	SO DIAG B	PY	-.002	-.002	0	0
34	MP BETA4	PY	-.004	-.004	0	0
35	MP BETA3	PY	-.004	-.004	0	0
36	MP BETA2	PY	-.004	-.004	0	0
37	MP BETA1	PY	-.004	-.004	0	0
38	KICKER4 B	PY	-.002	-.002	0	0
39	KICKER3 B	PY	-.002	-.002	0	0
40	KICKER2 B	PY	-.002	-.002	0	0
41	KICKER1 B	PY	-.002	-.002	0	0
42	KICKER DIAG4 B	PY	-.002	-.002	0	0
43	KICKER DIAG3 B	PY	-.002	-.002	0	0
44	KICKER DIAG2 B	PY	-.002	-.002	0	0
45	KICKER DIAG1 B	PY	-.002	-.002	0	0
46	FACE2 B	PY	-.004	-.004	0	0
47	FACE1 B	PY	-.004	-.004	0	0
48	FACE VERT3 B	PY	-.003	-.003	0	0
49	FACE VERT2 B	PY	-.003	-.003	0	0
50	FACE VERT1 B	PY	-.003	-.003	0	0
51	FACE DIAG2 B	PY	-.003	-.003	0	0
52	FACE DIAG1 B	PY	-.003	-.003	0	0
53	TIEBACK C	PY	-.000641	-.000641	0	0
54	SO2 C	PY	-.000983	-.000983	0	0
55	SO1 C	PY	-.000983	-.000983	0	0
56	SO VERT2 C	PY	-.000927	-.000927	0	0
57	SO VERT1 C	PY	-.000927	-.000927	0	0
58	SO PIPE C	PY	-.000708	-.000708	0	0
59	SO DIAG C	PY	-.000927	-.000927	0	0
60	MP GAMMA4	PY	-.002	-.002	0	0
61	MP GAMMA3	PY	-.002	-.002	0	0
62	MP GAMMA2	PY	-.002	-.002	0	0
63	MP GAMMA1	PY	-.002	-.002	0	0
64	KICKER4 C	PY	-.000983	-.000983	0	0
65	KICKER3 C	PY	-.000983	-.000983	0	0
66	KICKER2 C	PY	-.000983	-.000983	0	0
67	KICKER1 C	PY	-.000983	-.000983	0	0
68	KICKER DIAG4 C	PY	-.000927	-.000927	0	0
69	KICKER DIAG3 C	PY	-.000927	-.000927	0	0
70	KICKER DIAG2 C	PY	-.000927	-.000927	0	0
71	KICKER DIAG1 C	PY	-.000927	-.000927	0	0
72	FACE2 C	PY	-.002	-.002	0	0
73	FACE1 C	PY	-.002	-.002	0	0
74	FACE VERT3 C	PY	-.002	-.002	0	0
75	FACE VERT2 C	PY	-.002	-.002	0	0
76	FACE VERT1 C	PY	-.002	-.002	0	0
77	FACE DIAG2 C	PY	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
78	FACE DIAG1 C	PY	-.002	-.002	0	0
79	TIEBACK	PX	.001	.001	0	0
80	SO2	PX	.002	.002	0	0
81	SO1	PX	.002	.002	0	0
82	SO VERT2	PX	.002	.002	0	0
83	SO VERT1	PX	.002	.002	0	0
84	SO PIPE	PX	.001	.001	0	0
85	SO DIAG	PX	.002	.002	0	0
86	MP ALPHA4	PX	.003	.003	0	0
87	MP ALPHA3	PX	.003	.003	0	0
88	MP ALPHA2	PX	.003	.003	0	0
89	MP ALPHA1	PX	.003	.003	0	0
90	KICKER4	PX	.002	.002	0	0
91	KICKER3	PX	.002	.002	0	0
92	KICKER2	PX	.002	.002	0	0
93	KICKER1	PX	.002	.002	0	0
94	KICKER DIAG4	PX	.002	.002	0	0
95	KICKER DIAG3	PX	.002	.002	0	0
96	KICKER DIAG2	PX	.002	.002	0	0
97	KICKER DIAG1	PX	.002	.002	0	0
98	FACE2	PX	.003	.003	0	0
99	FACE1	PX	.003	.003	0	0
100	FACE VERT3	PX	.003	.003	0	0
101	FACE VERT2	PX	.003	.003	0	0
102	FACE VERT1	PX	.003	.003	0	0
103	FACE DIAG2	PX	.003	.003	0	0
104	FACE DIAG1	PX	.003	.003	0	0
105	TIEBACK C	PX	.001	.001	0	0
106	SO2 C	PX	.002	.002	0	0
107	SO1 C	PX	.002	.002	0	0
108	SO VERT2 C	PX	.002	.002	0	0
109	SO VERT1 C	PX	.002	.002	0	0
110	SO PIPE C	PX	.001	.001	0	0
111	SO DIAG C	PX	.002	.002	0	0
112	MP GAMMA4	PX	.003	.003	0	0
113	MP GAMMA3	PX	.003	.003	0	0
114	MP GAMMA2	PX	.003	.003	0	0
115	MP GAMMA1	PX	.003	.003	0	0
116	KICKER4 C	PX	.002	.002	0	0
117	KICKER3 C	PX	.002	.002	0	0
118	KICKER2 C	PX	.002	.002	0	0
119	KICKER1 C	PX	.002	.002	0	0
120	KICKER DIAG4 C	PX	.002	.002	0	0
121	KICKER DIAG3 C	PX	.002	.002	0	0
122	KICKER DIAG2 C	PX	.002	.002	0	0
123	KICKER DIAG1 C	PX	.002	.002	0	0
124	FACE2 C	PX	.003	.003	0	0
125	FACE1 C	PX	.003	.003	0	0
126	FACE VERT3 C	PX	.003	.003	0	0
127	FACE VERT2 C	PX	.003	.003	0	0
128	FACE VERT1 C	PX	.003	.003	0	0
129	FACE DIAG2 C	PX	.003	.003	0	0
130	FACE DIAG1 C	PX	.003	.003	0	0

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

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

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK	PY	-.001	-.001	0	0
2	SO2	PY	-.002	-.002	0	0
3	SO1	PY	-.002	-.002	0	0
4	SO VERT2	PY	-.002	-.002	0	0
5	SO VERT1	PY	-.002	-.002	0	0
6	SO PIPE	PY	-.001	-.001	0	0
7	SO DIAG	PY	-.002	-.002	0	0
8	MP ALPHA4	PY	-.003	-.003	0	0
9	MP ALPHA3	PY	-.003	-.003	0	0
10	MP ALPHA2	PY	-.003	-.003	0	0
11	MP ALPHA1	PY	-.003	-.003	0	0
12	KICKER4	PY	-.002	-.002	0	0
13	KICKER3	PY	-.002	-.002	0	0
14	KICKER2	PY	-.002	-.002	0	0
15	KICKER1	PY	-.002	-.002	0	0
16	KICKER DIAG4	PY	-.002	-.002	0	0
17	KICKER DIAG3	PY	-.002	-.002	0	0
18	KICKER DIAG2	PY	-.002	-.002	0	0
19	KICKER DIAG1	PY	-.002	-.002	0	0
20	FACE2	PY	-.003	-.003	0	0
21	FACE1	PY	-.003	-.003	0	0
22	FACE VERT3	PY	-.003	-.003	0	0
23	FACE VERT2	PY	-.003	-.003	0	0
24	FACE VERT1	PY	-.003	-.003	0	0
25	FACE DIAG2	PY	-.003	-.003	0	0
26	FACE DIAG1	PY	-.003	-.003	0	0
27	TIEBACK B	PY	-.001	-.001	0	0
28	SO2 B	PY	-.002	-.002	0	0
29	SO1 B	PY	-.002	-.002	0	0
30	SO VERT2 B	PY	-.002	-.002	0	0
31	SO VERT1 B	PY	-.002	-.002	0	0
32	SO PIPE B	PY	-.001	-.001	0	0
33	SO DIAG B	PY	-.002	-.002	0	0
34	MP BETA4	PY	-.003	-.003	0	0
35	MP BETA3	PY	-.003	-.003	0	0
36	MP BETA2	PY	-.003	-.003	0	0
37	MP BETA1	PY	-.003	-.003	0	0
38	KICKER4 B	PY	-.002	-.002	0	0
39	KICKER3 B	PY	-.002	-.002	0	0
40	KICKER2 B	PY	-.002	-.002	0	0
41	KICKER1 B	PY	-.002	-.002	0	0
42	KICKER DIAG4 B	PY	-.002	-.002	0	0
43	KICKER DIAG3 B	PY	-.002	-.002	0	0
44	KICKER DIAG2 B	PY	-.002	-.002	0	0
45	KICKER DIAG1 B	PY	-.002	-.002	0	0
46	FACE2 B	PY	-.003	-.003	0	0
47	FACE1 B	PY	-.003	-.003	0	0
48	FACE VERT3 B	PY	-.003	-.003	0	0
49	FACE VERT2 B	PY	-.003	-.003	0	0
50	FACE VERT1 B	PY	-.003	-.003	0	0
51	FACE DIAG2 B	PY	-.003	-.003	0	0
52	FACE DIAG1 B	PY	-.003	-.003	0	0
53	TIEBACK C	PX	.003	.003	0	0
54	SO2 C	PX	.005	.005	0	0
55	SO1 C	PX	.005	.005	0	0
56	SO VERT2 C	PX	.009	.009	0	0
57	SO VERT1 C	PX	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
58	SO PIPE C	PX	.007	.007	0	0
59	SO DIAG C	PX	.005	.005	0	0
60	MP GAMMA4	PX	.004	.004	0	0
61	MP GAMMA3	PX	.004	.004	0	0
62	MP GAMMA2	PX	.004	.004	0	0
63	MP GAMMA1	PX	.004	.004	0	0
64	KICKER4 C	PX	.009	.009	0	0
65	KICKER3 C	PX	.009	.009	0	0
66	KICKER2 C	PX	.009	.009	0	0
67	KICKER1 C	PX	.009	.009	0	0
68	KICKER DIAG4 C	PX	.009	.009	0	0
69	KICKER DIAG3 C	PX	.009	.009	0	0
70	KICKER DIAG2 C	PX	.009	.009	0	0
71	KICKER DIAG1 C	PX	.009	.009	0	0
72	FACE2 C	PX	.006	.006	0	0
73	FACE1 C	PX	.006	.006	0	0
74	FACE VERT3 C	PX	.005	.005	0	0
75	FACE VERT2 C	PX	.005	.005	0	0
76	FACE VERT1 C	PX	.005	.005	0	0
77	FACE DIAG2 C	PX	.005	.005	0	0
78	FACE DIAG1 C	PX	.005	.005	0	0
79	TIEBACK	PX	.000641	.000641	0	0
80	SO2	PX	.000983	.000983	0	0
81	SO1	PX	.000983	.000983	0	0
82	SO VERT2	PX	.000927	.000927	0	0
83	SO VERT1	PX	.000927	.000927	0	0
84	SO PIPE	PX	.000708	.000708	0	0
85	SO DIAG	PX	.000927	.000927	0	0
86	MP ALPHA4	PX	.002	.002	0	0
87	MP ALPHA3	PX	.002	.002	0	0
88	MP ALPHA2	PX	.002	.002	0	0
89	MP ALPHA1	PX	.002	.002	0	0
90	KICKER4	PX	.000983	.000983	0	0
91	KICKER3	PX	.000983	.000983	0	0
92	KICKER2	PX	.000983	.000983	0	0
93	KICKER1	PX	.000983	.000983	0	0
94	KICKER DIAG4	PX	.000927	.000927	0	0
95	KICKER DIAG3	PX	.000927	.000927	0	0
96	KICKER DIAG2	PX	.000927	.000927	0	0
97	KICKER DIAG1	PX	.000927	.000927	0	0
98	FACE2	PX	.002	.002	0	0
99	FACE1	PX	.002	.002	0	0
100	FACE VERT3	PX	.002	.002	0	0
101	FACE VERT2	PX	.002	.002	0	0
102	FACE VERT1	PX	.002	.002	0	0
103	FACE DIAG2	PX	.002	.002	0	0
104	FACE DIAG1	PX	.002	.002	0	0
105	TIEBACK B	PX	.000641	.000641	0	0
106	SO2 B	PX	.000983	.000983	0	0
107	SO1 B	PX	.000983	.000983	0	0
108	SO VERT2 B	PX	.000927	.000927	0	0
109	SO VERT1 B	PX	.000927	.000927	0	0
110	SO PIPE B	PX	.000708	.000708	0	0
111	SO DIAG B	PX	.000927	.000927	0	0
112	MP BETA4	PX	.002	.002	0	0
113	MP BETA3	PX	.002	.002	0	0
114	MP BETA2	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/f...	End Magnitude[k/ft...	Start Location[ft,%]	End Location[ft,%]
115	MP BETA1	PX	.002	.002	0	0
116	KICKER4 B	PX	.000983	.000983	0	0
117	KICKER3 B	PX	.000983	.000983	0	0
118	KICKER2 B	PX	.000983	.000983	0	0
119	KICKER1 B	PX	.000983	.000983	0	0
120	KICKER DIAG4 B	PX	.000927	.000927	0	0
121	KICKER DIAG3 B	PX	.000927	.000927	0	0
122	KICKER DIAG2 B	PX	.000927	.000927	0	0
123	KICKER DIAG1 B	PX	.000927	.000927	0	0
124	FACE2 B	PX	.002	.002	0	0
125	FACE1 B	PX	.002	.002	0	0
126	FACE VERT3 B	PX	.002	.002	0	0
127	FACE VERT2 B	PX	.002	.002	0	0
128	FACE VERT1 B	PX	.002	.002	0	0
129	FACE DIAG2 B	PX	.002	.002	0	0
130	FACE DIAG1 B	PX	.002	.002	0	0

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N20	max	1.431	13	4.438	35	2.177	30	-1.032	17	1.07	13	0	41
2		min	-1.518	29	-.854	17	.998	14	-3.022	36	-.452	29	0	1
3	N22	max	.675	11	-.734	2	.971	15	1.905	21	.376	11	0	41
4		min	-1.376	31	-3.771	21	.404	32	.297	2	-.703	31	0	1
5	N50	max	.226	32	1.239	14	.052	12	0	41	0	41	0	41
6		min	-.226	14	-1.236	32	-.007	32	0	1	0	1	0	1
7	N54B	max	3.06	16	1.739	6	.82	33	-.048	25	1.546	18	0	41
8		min	.722	32	.146	25	.398	14	-.909	5	.325	29	0	1
9	N56B	max	-.868	11	2.558	37	.855	24	.02	17	-.38	11	0	41
10		min	-3.002	24	.036	17	.415	8	-1.284	37	-1.538	24	0	1
11	N76	max	4.427	8	.3	35	1.894	6	2.007	16	2.426	6	0	41
12		min	-1.22	26	-2.579	19	.976	26	.447	32	.75	26	0	1
13	N105	max	1.443	26	.506	8	.053	26	0	41	0	41	0	41
14		min	-1.44	8	-.509	26	-.012	8	0	1	0	1	0	1
15	N132	max	.258	5	1.183	5	1.906	15	1.447	24	-.974	5	0	41
16		min	-3.268	23	-3.138	23	.995	32	.15	7	-2.425	25	0	1
17	N161	max	1.082	14	.926	14	.051	32	0	41	0	41	0	41
18		min	-1.082	32	-.924	32	-.01	14	0	1	0	1	0	1
19	Totals:	max	5.937	11	6.043	2	8.616	24						
20		min	-5.937	29	-6.043	20	4.649	35						

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Live Load	DL					3			
2	Wind Load (0)	DL					30	130		
3	Dead Load	DL			-1.1		30			
4	Wind Load (30)	DL					60	130		
5	Wind Load (60)	DL					60	130		
6	Wind Load (90)	DL					30	130		
7	Wind Load (120)	DL					60	130		
8	Wind Load (150)	DL					60	130		
9	Wind Load (180)	DL					30	130		
10	Wind Load (210)	DL					60	130		
11	Wind Load (240)	DL					60	130		
12	Wind Load (270)	DL					30	130		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
13	Wind Load (300)	DL					60	130		
14	Wind Load (330)	DL					60	130		
15	Maintanence (0)	DL					30	130		
16	Maintanence (30)	DL					60	130		
17	Maintanence (60)	DL					60	130		
18	Maintanence (90)	DL					30	130		
19	Maintanence (120)	DL					60	130		
20	Maintanence (150)	DL					60	130		
21	Maintanence (180)	DL					30	130		
22	Maintanence (210)	DL					60	130		
23	Maintanence (240)	DL					60	130		
24	Maintanence (270)	DL					30	130		
25	Maintanence (300)	DL					60	130		
26	Maintanence (330)	DL					60	130		
27	Ice Dead Load	DL					30	78		
28	Ice Wind Load (0)	DL					30	130		
29	Ice Wind Load (30)	DL					60	130		
30	Ice Wind Load (60)	DL					60	130		
31	Ice Wind Load (90)	DL					30	130		
32	Ice Wind Load (120)	DL					60	130		
33	Ice Wind Load (150)	DL					60	130		
34	Ice Wind Load (180)	DL					30	130		
35	Ice Wind Load (210)	DL					60	130		
36	Ice Wind Load (240)	DL					60	130		
37	Ice Wind Load (270)	DL					30	130		
38	Ice Wind Load (300)	DL					60	130		
39	Ice Wind Load (330)	DL					60	130		
40	Earthquake (x-directi...	DL	-.143				30			
41	Earthquake (y-directi...	DL		-.143			30			
42	Earthquake (z-directi...	DL			-.057		30			

Load Combinations

	Description	Solve	PDe..	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4D	Yes	Y		3	1.4																				
2	1.2D + 1.0W(0)	Yes	Y		3	1.2	2	1																		
3	1.2D + 1.0Di + 1.0Wi(0)	Yes	Y		3	1.2	27	1	28	1																
4	1.2D + 1.5L + 1.0Wl(0)	Yes	Y		3	1.2	1	1.5	15	1																
5	1.2D + 1.0W(30)	Yes	Y		3	1.2	4	1																		
6	1.2D + 1.0Di + 1.0Wi(30)	Yes	Y		3	1.2	27	1	29	1																
7	1.2D + 1.5L + 1.0Wl(30)	Yes	Y		3	1.2	1	1.5	16	1																
8	1.2D + 1.0W(60)	Yes	Y		3	1.2	5	1																		
9	1.2D + 1.0Di + 1.0Wi(60)	Yes	Y		3	1.2	27	1	30	1																
10	1.2D + 1.5L + 1.0Wl(60)	Yes	Y		3	1.2	1	1.5	17	1																
11	1.2D + 1.0W(90)	Yes	Y		3	1.2	6	1																		
12	1.2D + 1.0Di + 1.0Wi(90)	Yes	Y		3	1.2	27	1	31	1																
13	1.2D + 1.5L + 1.0Wl(90)	Yes	Y		3	1.2	1	1.5	18	1																
14	1.2D + 1.0W(120)	Yes	Y		3	1.2	7	1																		
15	1.2D + 1.0Di + 1.0Wi(120)	Yes	Y		3	1.2	27	1	32	1																
16	1.2D + 1.5L + 1.0Wl(120)	Yes	Y		3	1.2	1	1.5	19	1																
17	1.2D + 1.0W(150)	Yes	Y		3	1.2	8	1																		
18	1.2D + 1.0Di + 1.0Wi(150)	Yes	Y		3	1.2	27	1	33	1																
19	1.2D + 1.5L + 1.0Wl(150)	Yes	Y		3	1.2	1	1.5	20	1																
20	1.2D + 1.0W(180)	Yes	Y		3	1.2	9	1																		
21	1.2D + 1.0Di + 1.0Wi(180)	Yes	Y		3	1.2	27	1	34	1																
22	1.2D + 1.5L + 1.0Wl(180)	Yes	Y		3	1.2	1	1.5	21	1																

Load Combinations (Continued)

	Description	Solve	PDe..	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
23	1.2D + 1.0W(210)	Yes	Y		3	1.2	10	1																
24	1.2D + 1.0Di + 1.0Wi(210)	Yes	Y		3	1.2	27	1	35	1														
25	1.2D + 1.5L + 1.0Wl(210)	Yes	Y		3	1.2	1	1.5	22	1														
26	1.2D + 1.0W(240)	Yes	Y		3	1.2	11	1																
27	1.2D + 1.0Di + 1.0Wi(240)	Yes	Y		3	1.2	27	1	36	1														
28	1.2D + 1.5L + 1.0Wl(240)	Yes	Y		3	1.2	1	1.5	23	1														
29	1.2D + 1.0W(270)	Yes	Y		3	1.2	12	1																
30	1.2D + 1.0Di + 1.0Wi(270)	Yes	Y		3	1.2	27	1	37	1														
31	1.2D + 1.5L + 1.0Wl(270)	Yes	Y		3	1.2	1	1.5	24	1														
32	1.2D + 1.0W(300)	Yes	Y		3	1.2	13	1																
33	1.2D + 1.0Di + 1.0Wi(300)	Yes	Y		3	1.2	27	1	38	1														
34	1.2D + 1.5L + 1.0Wl(300)	Yes	Y		3	1.2	1	1.5	25	1														
35	1.2D + 1.0W(330)	Yes	Y		3	1.2	14	1																
36	1.2D + 1.0Di + 1.0Wi(330)	Yes	Y		3	1.2	27	1	39	1														
37	1.2D + 1.5L + 1.0Wl(330)	Yes	Y		3	1.2	1	1.5	26	1														
38	1.2D + 1.0E(x) + 1.0E(z) ...	Yes	Y		3	1.2	40	1	42	1	1	1												
39	1.2D + 1.0E(y) + 1.0E(z) ...	Yes	Y		3	1.2	41	1	42	1	1	1												
40	1.2D - 1.0E(x) + 1.0E(z) ...	Yes	Y		3	1.2	40	-1	42	1	1	1												
41	1.2D - 1.0E(y) + 1.0E(z) ...	Yes	Y		3	1.2	41	-1	42	1	1	1												

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Lo...	Dir	LC	phi*P...	phi*P...	phi*...	phi*...	Cb	Eqn
1	KICKER3	L2x2x3	.920	3.238	14	.200	3.5...	z	12	3.435	23.393	.558	1.078	1.788	H2-1
2	KICKER3 C	L2x2x3	.920	3.238	32	.197	3.5...	z	36	3.435	23.393	.558	1.051	1.613	H2-1
3	KICKER3 B	L2x2x4	.844	3.238	26	.124	3.5...	z	18	4.445	30.586	.691	1.439	1.604	H2-1
4	FACE2	L2.5x2....	.824	6.5	2	.423	12....	z	14	9.402	29.192	.873	1.042	1	H2-1
5	FACE2 C	L2.5x2....	.749	6.5	26	.465	12....	z	32	9.402	29.192	.873	1.042	1	H2-1
6	FACE1	L2.5x2....	.693	6.5	21	.120	.542	z	22	9.402	29.192	.873	1.042	1	H2-1
7	FACE2 B	L2.5x2....	.661	6.5	11	.533	12....	z	26	9.402	29.192	.873	1.042	1	H2-1
8	FACE1 C	L2.5x2....	.634	6.5	18	.097	.542	z	4	9.402	29.192	.873	1.042	1	H2-1
9	FACE1 B	L2.5x2....	.630	6.5	36	.095	.542	z	25	9.402	29.192	.873	1.042	1	H2-1
10	SO PIPE	PIPE_2.5	.593	.333	21	.370	3.4...		35	44.491	50.715	3.596	3.596	2.621	H1-1b
11	SO PIPE C	PIPE_2.5	.534	.333	18	.370	3.4...		23	44.491	50.715	3.596	3.596	2.613	H1-1b
12	SO PIPE B	PIPE_2.5	.533	.333	24	.400	3.4...		8	44.491	50.715	3.596	3.596	2.608	H1-1b
13	KICKER1 B	L2x2x3	.502	3.827	13	.248	3.5...	y	7	12.444	23.393	.558	.906	1	H2-1
14	KICKER1 C	L2x2x3	.445	3.827	25	.246	3.5...	y	25	12.444	23.393	.558	1.239	2.114	H2-1
15	KICKER2 B	L2x2x3	.444	7.064	37	.015	0	y	6	3.435	23.393	.558	1.105	2.001	H2-1
16	KICKER1	L2x2x3	.444	3.827	37	.231	3.5...	y	37	12.444	23.393	.558	1.239	2.152	H2-1
17	KICKER2	L2x2x3	.443	7.064	25	.014	0	y	31	3.435	23.393	.558	1.092	1.896	H2-1
18	KICKER2 C	L2x2x3	.442	7.064	16	.014	0	y	28	3.435	23.393	.558	1.088	1.864	H2-1
19	SO1	L2x2x3	.422	3.87	30	.014	3.87	z	30	11.047	23.393	.558	1.202	1.719	H2-1
20	SO1 C	L2x2x3	.382	3.87	18	.012	3.87	z	18	11.047	23.393	.558	1.205	1.74	H2-1
21	KICKER DIAG2	L1.75x1...	.379	4.143	37	.007	0	z	11	4.637	13.669	.3	.531	1.249	H2-1
22	KICKER DIAG2 C	L1.75x1...	.370	2.028	34	.008	0	z	35	4.637	13.669	.3	.509	1.089	H2-1
23	KICKER DIAG2 B	L1.75x1...	.362	2.072	16	.013	0	y	5	4.637	13.669	.3	.514	1.121	H2-1
24	SO1 B	L2x2x3	.359	3.87	6	.013	3.87	z	6	11.047	23.393	.558	1.205	1.741	H2-1
25	KICKER DIAG3	L1.75x1...	.342	4.143	12	.012	0	z	11	4.637	13.669	.3	.516	1.136	H2-1
26	SO DIAG	L1.75x1...	.333	3.599	12	.011	0	z	29	3.75	13.669	.3	.597	2.24	H2-1
27	KICKER DIAG3 C	L1.75x1...	.305	3.237	36	.015	0	z	35	4.637	13.669	.3	.516	1.136	H2-1
28	KICKER DIAG3 B	L1.75x1...	.298	4.143	27	.009	4.1...	z	23	4.637	13.669	.3	.516	1.136	H2-1
29	SO DIAG B	L1.75x1...	.280	4.607	24	.009	0	z	8	3.75	13.669	.3	.608	2.451	H2-1
30	SO DIAG C	L1.75x1...	.269	4.607	36	.009	0	z	14	3.75	13.669	.3	.596	2.22	H2-1
31	TIEBACK B	PIPE_2.0	.237	0	8	.006	0		8	11.102	32.13	1.872	1.872	1.136	H1-1b
32	MP ALPHA3	PIPE_2.5	.233	5.25	2	.042	5.25		20	26.137	50.715	3.596	3.596	1.553	H1-1b
33	SO2 B	L2x2x3	.226	3.87	26	.011	0	z	8	11.047	23.393	.558	1.195	1.657	H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Lo...	Dir	LC	phi*P...	phi*P...	phi*...	phi*...	Cb	Eqn
34	TIEBACK C	PIPE_2.0	.220	0	14	.006	0		14	11.102	32.13	1.872	1.872	1.136	H1-1b
35	MP BETA3	PIPE_2.5	.219	5.25	14	.041	5.25		32	26.137	50.715	3.596	3.596	1.545	H1-1b
36	MP GAMMA3	PIPE_2.5	.219	5.25	26	.040	5.25		8	26.137	50.715	3.596	3.596	1.547	H1-1b
37	SO2 C	L2x2x3	.214	3.87	32	.011	3.87	y	36	11.047	23.393	.558	1.195	1.656	H2-1
38	FACE DIAG2 B	L2x2x3	.212	3.142	26	.009	6.4...	y	11	4.162	23.393	.558	1.078	1.627	H2-1
39	SO2	L2x2x3	.201	3.87	11	.011	3.87	y	12	11.047	23.393	.558	1.191	1.626	H2-1
40	TIEBACK	PIPE_2.0	.198	0	32	.006	0		30	11.102	32.13	1.872	1.872	1.136	H1-1b
41	KICKER DIAG1	L1.75x1...	.194	4.143	37	.014	0	y	30	4.637	13.669	.3	.516	1.136	H2-1
42	KICKER DIAG1 C	L1.75x1...	.194	4.143	25	.011	0	y	18	4.637	13.669	.3	.516	1.136	H2-1
43	KICKER DIAG1 B	L1.75x1...	.185	4.143	10	.013	4.1...	z	6	4.637	13.669	.3	.516	1.136	H2-1
44	FACE VERT2	L1.75x1...	.178	0	2	.009	0	z	2	9.02	13.669	.3	.589	1.136	H2-1
45	FACE VERT2 C	L1.75x1...	.174	0	23	.009	0	z	23	9.02	13.669	.3	.589	1.136	H2-1
46	KICKER4 C	L2x2x3	.172	3.532	18	.011	7.0...	z	35	12.444	23.393	.558	1.163	1.278	H2-1
47	KICKER DIAG4 C	L1.75x1...	.166	0	35	.012	0	y	17	4.637	13.669	.3	.631	2.721	H2-1
48	FACE DIAG2 C	L2x2x3	.163	2.406	32	.009	6.4...	y	23	4.162	23.393	.558	1.055	1.489	H2-1
49	FACE DIAG2	L2x2x3	.162	3.075	14	.013	6.4...	y	2	4.162	23.393	.558	1.107	1.829	H2-1
50	FACE VERT2 B	L1.75x1...	.158	0	11	.008	0	z	11	9.02	13.669	.3	.589	1.136	H2-1
51	KICKER4 B	L2x2x3	.158	7.064	23	.010	3.5...	y	26	12.444	23.393	.558	.906	1	H2-1
52	KICKER4	L2x2x3	.155	7.064	17	.011	3.5...	y	12	12.444	23.393	.558	.906	1	H2-1
53	KICKER DIAG4	L1.75x1...	.130	0	12	.008	0	z	12	4.637	13.669	.3	.597	2.016	H2-1
54	KICKER DIAG4 B	L1.75x1...	.129	2.374	24	.006	0	y	35	4.637	13.669	.3	.579	1.746	H2-1
55	MP ALPHA2	PIPE_2.0	.123	3.234	2	.026	.779		24	21.615	32.13	1.872	1.872	1.524	H1-1b
56	FACE VERT1 B	L1.75x1...	.118	2.5	23	.007	2.5	y	32	9.02	13.669	.3	.589	1.136	H2-1
57	FACE DIAG1	L2x2x3	.116	3.008	20	.010	0	y	3	4.162	23.393	.558	.978	1.136	H2-1
58	FACE VERT1	L1.75x1...	.115	2.5	30	.007	2.5	y	30	9.02	13.669	.3	.589	1.136	H2-1
59	MP BETA2	PIPE_2.0	.110	3.234	14	.024	.779		36	21.615	32.13	1.872	1.872	1.504	H1-1b
60	FACE DIAG1 B	L2x2x3	.110	2.941	8	.010	6.4...	z	20	4.162	23.393	.558	.978	1.136	H2-1
61	MP GAMMA2	PIPE_2.0	.109	3.234	26	.025	.779		18	21.615	32.13	1.872	1.872	1.521	H1-1b
62	FACE VERT1 C	L1.75x1...	.106	0	16	.006	2.5	y	32	9.02	13.669	.3	.589	1.136	H2-1
63	FACE VERT3 B	L1.75x1...	.102	2.266	26	.011	0	z	26	9.02	13.669	.3	.643	1.848	H2-1
64	FACE VERT3	L1.75x1...	.101	2.5	17	.011	0	z	14	9.02	13.669	.3	.656	2.209	H2-1
65	FACE VERT3 C	L1.75x1...	.099	2.5	5	.010	2.5	y	5	9.02	13.669	.3	.656	2.256	H2-1
66	FACE DIAG1 C	L2x2x3	.096	2.807	23	.009	6.4...	z	20	4.162	23.393	.558	.978	1.136	H2-1
67	SO VERT1 C	L1.75x1...	.093	2.5	25	.008	0	z	19	9.02	13.669	.3	.589	1.136	H2-1
68	SO VERT1 B	L1.75x1...	.083	2.5	4	.008	0	y	7	9.02	13.669	.3	.589	1.136	H2-1
69	SO VERT1	L1.75x1...	.079	2.5	37	.008	0	z	31	9.02	13.669	.3	.589	1.136	H2-1
70	MP ALPHA4	PIPE_2.0	.076	3.25	4	.044	.75		22	20.867	32.13	1.872	1.872	1.41	H1-1b
71	MP GAMMA4	PIPE_2.0	.076	3.25	25	.044	.75		10	20.867	32.13	1.872	1.872	1.416	H1-1b
72	MP BETA4	PIPE_2.0	.076	3.25	13	.043	3.25		16	20.867	32.13	1.872	1.872	1.416	H1-1b
73	MP GAMMA1	PIPE_2.0	.068	3.227	23	.052	.766		14	23.088	32.13	1.872	1.872	1.812	H1-1b
74	MP BETA1	PIPE_2.0	.065	3.227	8	.054	3.2...		8	23.088	32.13	1.872	1.872	1.922	H1-1b
75	MP ALPHA1	PIPE_2.0	.065	3.227	35	.046	3.2...		32	23.088	32.13	1.872	1.872	1.875	H1-1b
76	SO VERT2 C	L1.75x1...	.053	2.5	36	.009	2.5	z	35	9.02	13.669	.3	.643	1.855	H2-1
77	SO VERT2	L1.75x1...	.051	1.771	12	.008	0	y	12	9.02	13.669	.3	.627	1.586	H2-1
78	SO VERT2 B	L1.75x1...	.047	2.5	18	.008	0	y	23	9.02	13.669	.3	.634	1.694	H2-1

APPENDIX D

Additional Calculations

POD
POWER OF DESIGN

POD Job #	**22-125008**
Site Number	**807133**
Site Name	**BRG 134**

Connection Type	Single Shear

RISA 3D Forces

Axial (Bolts)	0.594	kips
Shear (Bolts)	1.551	kips
Axial Force (Member)	1.551	kips

Bolt/Member Information

Member Label	KICKER3	
# of Bolts	1	
Diameter	0.5	inches
Bolt Grade	A325	
Member Grade	A36	
Threads Included?	Yes	
L_b	0	inches
L_c	1	inches
t	0.1875	inches

Prying Inputs:

Member Grade	A36	
Angle Size	L2X2X3/16	in
Length of Bolted Leg	7.1	in
Torsion	0.01	k-ft
My	0.113	k-ft

Shear Capacity	**17.6%**
Axial Capacity	**4.7%**
Bearing Capacity	**14.9%**
Combined Capacity	**3.3%**
Prying Check	**7.4%**

Ver 1.0 - 2/28/2020

EBI Consulting

environmental | engineering | due diligence

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

T-Mobile Existing Facility

Site ID: CT11114D

Norwalk/ South Norwalk
50 Rockland Road
Norwalk, Connecticut 06854

April 22, 2022

EBI Project Number: 6222002670

Site Compliance Summary	
Compliance Status:	**COMPLIANT**
Site total MPE% of FCC general population allowable limit:	**21.33%**

April 22, 2022

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

Emissions Analysis for Site: CT1114D - Norwalk/ South Norwalk

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **50 Rockland Road** in **Norwalk, Connecticut** for the purpose of determining whether the emissions from the Proposed T-Mobile Antenna Installation located on this property are within specified federal limits.

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

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

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

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

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

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed T-Mobile Wireless antenna facility located at 50 Rockland Road in Norwalk, Connecticut using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was focused at the base of the tower. For this report, the sample point is the top of a 6-foot person standing at the base of the tower. For power density calculations, the broadcast footprint of the AIR6449 antenna has been considered. Due to the beamforming nature of this antenna, the actual beam locations vary depending on demand and are narrow in nature. Using the broadcast footprint accounts for the potential location of beams at any given time.

For all calculations, all equipment was calculated using the following assumptions:

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

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

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

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

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

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

7) 4 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 40 Watts per Channel.

8) 1 LTE Traffic channel (LTE 1C and 2C BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 60 Watts.

9) 1 LTE Broadcast channel (LTE 1C and 2C BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 20 Watts.

10) 1 NR Traffic channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 120 Watts.

11) 1 NR Broadcast channel (BRS Band - 2500 MHz) was considered for each sector of the proposed installation. This Channel has a transmit power of 40 Watts.

12) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.

13) For the following calculations, the sample point was the top of a 6-foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

14) The antennas used in this modeling are the Ericsson AIR 32 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 3246 for the 2100 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s) in Sector A, the Ericsson AIR 32 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 3246 for the 2100 MHz channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s) in Sector B, the Ericsson AIR 32 for the 1900 MHz / 1900 MHz / 2100 MHz channel(s), the Ericsson AIR 3246 for the 2100 MHz

channel(s), the RFS APXVAARR24_43-U-NA20 for the 600 MHz / 600 MHz / 700 MHz / 1900 MHz channel(s), the Ericsson AIR 6449 for the 2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz channel(s) in Sector C. This is based on feedback from the carrier with regard to anticipated antenna selection. All Antenna gain values and associated transmit power levels are shown in the Site Inventory and Power Data table below. The maximum gain of the antenna per the antenna manufacturer's supplied specifications, minus 10 dB for directional panel antennas and 20 dB for highly focused parabolic microwave dishes, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

15) The antenna mounting height centerline of the proposed antennas is 170 feet above ground level (AGL).

16) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

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

T-Mobile Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	Ericsson AIR 32	Make / Model:	Ericsson AIR 32	Make / Model:	Ericsson AIR 32
Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz	Frequency Bands:	1900 MHz / 1900 MHz / 2100 MHz
Gain:	15.35 dBd / 15.35 dBd / 15.85 dBd	Gain:	15.35 dBd / 15.35 dBd / 15.85 dBd	Gain:	15.35 dBd / 15.35 dBd / 15.85 dBd
Height (AGL):	170 feet	Height (AGL):	170 feet	Height (AGL):	170 feet
Channel Count:	8	Channel Count:	8	Channel Count:	8
Total TX Power (W):	300.00 Watts	Total TX Power (W):	300.00 Watts	Total TX Power (W):	300.00 Watts
ERP (W):	10,533.98	ERP (W):	10,533.98	ERP (W):	10,533.98
Antenna A1 MPE %:	**1.41%**	Antenna B1 MPE %:	**1.41%**	Antenna C1 MPE %:	**1.41%**
Antenna #:	**2**	Antenna #:	**2**	Antenna #:	**2**
Make / Model:	Ericsson AIR 3246	Make / Model:	Ericsson AIR 3246	Make / Model:	Ericsson AIR 3246
Frequency Bands:	2100 MHz	Frequency Bands:	2100 MHz	Frequency Bands:	2100 MHz
Gain:	15.85 dBd	Gain:	15.85 dBd	Gain:	15.85 dBd
Height (AGL):	170 feet	Height (AGL):	170 feet	Height (AGL):	170 feet
Channel Count:	4	Channel Count:	4	Channel Count:	4
Total TX Power (W):	160.00 Watts	Total TX Power (W):	160.00 Watts	Total TX Power (W):	160.00 Watts
ERP (W):	6,153.47	ERP (W):	6,153.47	ERP (W):	6,153.47
Antenna A2 MPE %:	**0.82%**	Antenna B2 MPE %:	**0.82%**	Antenna C2 MPE %:	**0.82%**
Antenna #:	**3**	Antenna #:	**3**	Antenna #:	**3**
Make / Model:	RFS APXVAARR24_43-U-NA20	Make / Model:	RFS APXVAARR24_43-U-NA20	Make / Model:	RFS APXVAARR24_43-U-NA20
Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz	Frequency Bands:	600 MHz / 600 MHz / 700 MHz / 1900 MHz
Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd	Gain:	12.95 dBd / 12.95 dBd / 13.35 dBd / 15.65 dBd
Height (AGL):	170 feet	Height (AGL):	170 feet	Height (AGL):	170 feet
Channel Count:	7	Channel Count:	7	Channel Count:	7
Total TX Power (W):	320.00 Watts	Total TX Power (W):	320.00 Watts	Total TX Power (W):	320.00 Watts
ERP (W):	8,466.41	ERP (W):	8,466.41	ERP (W):	8,466.41
Antenna A3 MPE %:	**1.88%**	Antenna B3 MPE %:	**1.88%**	Antenna C3 MPE %:	**1.88%**
Antenna #:	**4**	Antenna #:	**4**	Antenna #:	**4**
Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449	Make / Model:	Ericsson AIR 6449
Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz	Frequency Bands:	2500 MHz / 2500 MHz / 2500 MHz / 2500 MHz
Gain:	22.35 dBd / 17.3 dBd / 22.35 dBd / 17.3 dBd	Gain:	22.35 dBd / 17.3 dBd / 22.35 dBd / 17.3 dBd	Gain:	22.35 dBd / 17.3 dBd / 22.35 dBd / 17.3 dBd
Height (AGL):	170 feet	Height (AGL):	170 feet	Height (AGL):	170 feet
Channel Count:	4	Channel Count:	4	Channel Count:	4
Total TX Power (W):	240.00 Watts	Total TX Power (W):	240.00 Watts	Total TX Power (W):	240.00 Watts

ERP (W):	34,144.54	ERP (W):	34,144.54	ERP (W):	34,144.54
Antenna A4 MPE %:	**4.56%**	Antenna B4 MPE %:	**4.56%**	Antenna C4 MPE %:	**4.56%**

Site Composite MPE %	
Carrier	**MPE %**
T-Mobile (Max at Sector A):	8.68%
AT&T	3.45%
Metro PCS	1.56%
Verizon	5.01%
Sprint	2.63%
Site Total MPE % :	21.33%

T-Mobile MPE % Per Sector	
T-Mobile Sector A Total:	8.68%
T-Mobile Sector B Total:	8.68%
T-Mobile Sector C Total:	8.68%
Site Total MPE % :	21.33%

T-Mobile Maximum MPE Power Values (Sector A)

T-Mobile Frequency Band / Technology (Sector A)	# Channels	Watts ERP (Per Channel)	Height (feet)	Total Power Density (μW/cm²)	Frequency (MHz)	Allowable MPE (μW/cm²)	Calculated % MPE
T-Mobile 1900 MHz GSM	4	1028.30	170.0	5.50	1900 MHz GSM	1000	0.55%
T-Mobile 1900 MHz LTE	2	2056.61	170.0	5.50	1900 MHz LTE	1000	0.55%
T-Mobile 2100 MHz UMTS	2	1153.78	170.0	3.08	2100 MHz UMTS	1000	0.31%
T-Mobile 2100 MHz LTE	4	1538.37	170.0	8.23	2100 MHz LTE	1000	0.82%
T-Mobile 600 MHz LTE	2	591.73	170.0	1.58	600 MHz LTE	400	0.40%
T-Mobile 600 MHz NR	1	1577.94	170.0	2.11	600 MHz NR	400	0.53%
T-Mobile 700 MHz LTE	2	648.82	170.0	1.73	700 MHz LTE	467	0.37%
T-Mobile 1900 MHz LTE	2	2203.69	170.0	5.89	1900 MHz LTE	1000	0.59%
T-Mobile 2500 MHz LTE 1C & 2C Traffic	1	10307.45	170.0	13.78	2500 MHz LTE 1C & 2C Traffic	1000	1.38%
T-Mobile 2500 MHz LTE 1C & 2C Broadcast	1	1074.06	170.0	1.44	2500 MHz LTE 1C & 2C Broadcast	1000	0.14%
T-Mobile 2500 MHz NR Traffic	1	20614.90	170.0	27.56	2500 MHz NR Traffic	1000	2.76%
T-Mobile 2500 MHz NR Broadcast	1	2148.13	170.0	2.87	2500 MHz NR Broadcast	1000	0.29%
						Total:	**8.68%**

• NOTE: Totals may vary by approximately 0.01% due to summation of remainders in calculations.

Summary

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

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

T-Mobile Sector	Power Density Value (%)
Sector A:	8.68%
Sector B:	8.68%
Sector C:	8.68%
T-Mobile Maximum MPE % (Sector A):	8.68%
Site Total:	21.33%
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **21.33%** of the allowable FCC established general population limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government.

T-Mobile

T-MOBILE SITE NUMBER: CT11114D
T-MOBILE SITE NAME: NORWALK/SOUTH NORWALK
SITE TYPE: SELF-SUPPORT TOWER
TOWER HEIGHT: 182'-0"

BUSINESS UNIT #: 807133
SITE ADDRESS: 50 ROCKLAND RD NORWALK, CT 06854
COUNTY: FAIRFIELD
JURISDICTION: CITY OF NORWALK

T-MOBILE ANCHOR SITE CONFIGURATION: 67D5A992M OUTDOOR

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	BRG 134 943057
SITE ADDRESS:	50 ROCKLAND RD NORWALK, CT 06854
COUNTY:	FAIRFIELD
MAP/PARCEL #:	5-82-58-0
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.081852°
LONGITUDE:	-73.430458°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	61.00 FT
CURRENT ZONING:	RI
JURISDICTION:	CITY OF NORWALK
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	CROWN ATLANTIC CO. LLC PMB 353 4017 wASHINGTON RD McMURRAY, PA 15317-0000
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	T-MOBILE 35 GRIFFIN ROAD BLOOMFIELD, CT 06002
ELECTRIC PROVIDER:	NOTHEAST UTILITIES (800) 286-5000
TELCO PROVIDER:	LIGHTOWER (855) 91-FIBER

PROJECT TEAM

A&E FIRM:	CROWN CASTLE USA INC. 2000 CORPORATE DRIVE CANONSBURG, PA 15317 CROWNAE.APPROVAL@CROWNCASTLE.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3 CORPORATE PARK DRIVE, SUITE 101 CLIFTON PARK, NY 12065
	PAUL PEDICONE - PROJECT MANAGER PAUL.PEDICONE@CROWNCASTLE.COM
	JASON D'AMICO - CONSTRUCTION MANAGER JASON.DAMICO@CROWNCASTLE.COM

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	OVERALL SITE PLAN
C-1.2	SITE PLAN & ENLARGED SITE PLAN
C-2	FINAL ELEVATION & ANTENNA PLANS
C-3	ANTENNA & CABLE SCHEDULE
C-4	PLUMBING DIAGRAM
C-5	EQUIPMENT SPECS
E-1	AC PANEL SCHEDULES & ONE LINE DIAGRAM
G-1	ANTENNA GROUNDING DIAGRAM
G-2	GROUNDING DETAILS
G-3	GROUNDING DETAILS

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

PROJECT DESCRIPTION

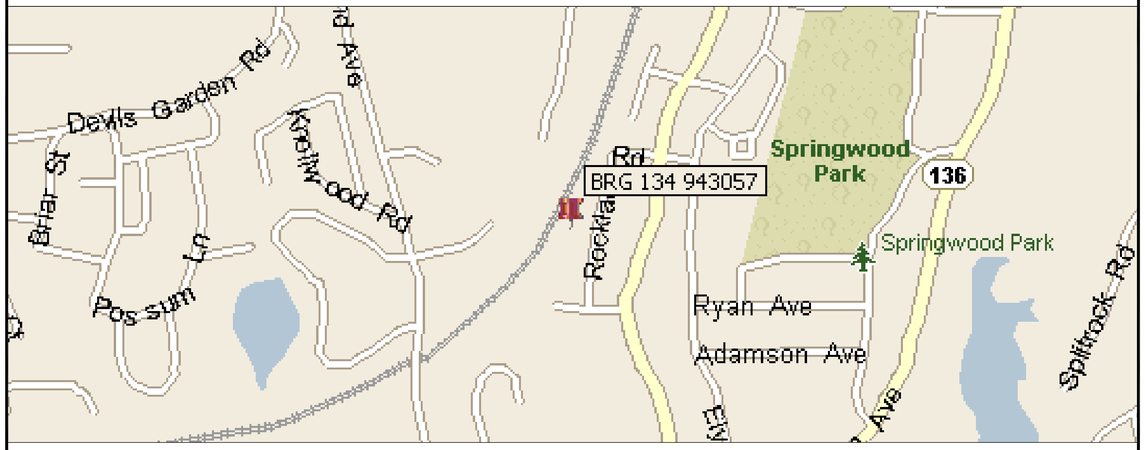
THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

TOWER SCOPE OF WORK:
- REMOVE (3) TMAs
- REMOVE (1) 9X18 HYRID CABLE (1-5/8")
- REMOVE (6) COAX CABLES (1-5/8")
- INSTALL (4) 6X24 HYBRID CABLES (1-5/8")
- RELOCATE (9) ANTENNAS
- RELOCATE (3) RRUs
- INSTALL (3) ANTENNAS
- INSTALL (3) RRUs

GROUND SCOPE OF WORK:
- REMOVE (6) RU22
- INSTALL (1) 6160 ENCLOSURE
- INSTALL (1) B160 BATTERY CABINET
- INSTALL (1) CSR IXRE V2 (GEN2)
- INSTALL (1) PSU 4813 VR2A
- INSTALL (1) BB 6648
- INSTALL (1) 4'-0"X6'-0" PAD EXPANSION

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

LOCATION MAP



NO SCALE

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2018 CONNECTICUT SBC/2015 IBC
MECHANICAL	2018 CONNECTICUT SBC/2015 IMC
ELECTRICAL	2018 CONNECTICUT SBC/2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GRP
DATED:	4/06/22
MOUNT ANALYSIS:	POD GROUP
DATED:	3/30/22
RFDS REVISION:	8
DATED:	12/8/21
ORDER ID:	524458
REVISION:	3

CALL CONNECTICUT ONE CALL (800) 922-4455 CBYD.COM CALL 2 WORKING DAYS BEFORE YOU DIG!

APPROVALS

APPROVAL	SIGNATURE	DATE
PROPERTY OWNER OR REP.		
LAND USE PLANNER		
T-MOBILE		
OPERATIONS		
RF		
NETWORK		
BACKHAUL		
CONSTRUCTION MANAGER		

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

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

STATE OF CONNECTICUT * No. 23924 * LICENSED PROFESSIONAL ENGINEER
5/10/22

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: T-1
REVISION: 5

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED– NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800–788–7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" – CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT:
   THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED–STD–10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA–322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH QAS–STD–10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE" AND LATEST VERSION OF ANSI/TIA–1019–A–2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

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

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST–IN–PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°f AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE–THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER–TO–CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
   #4 BARS AND SMALLER 40 ksi
   #5 BARS AND LARGER 60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
   CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 BARS AND LARGER 2"
   #5 BARS AND SMALLER 1–1/2"
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
   SLAB AND WALLS 3/4"
   BEAMS AND COLUMNS 1–1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
   4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
   4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI–CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI–CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON–PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER–ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY–COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY–COATED OR NON–CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "T–MOBILE".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

CONDUCTOR COLOR CODE

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

* SEE NEC 210.5(C)(1) AND (2)
** POLARITY MARKED AT TERMINATION

APWA UNIFORM COLOR CODE:

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

GREENFIELD GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL–OF–POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON–ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON–METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON–METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD–WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

ABBREVIATIONS:

ANT	ANTENNA
(E)	EXISTING
FIF	FACILITY INTERFACE FRAME
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
GSM	GLOBAL SYSTEM FOR MOBILE
LTE	LONG TERM EVOLUTION
MGB	MASTER GROUND BAR
MW	MICROWAVE
(N)	NEW
NEC	NATIONAL ELECTRIC CODE
(P)	PROPOSED
PP	POWER PLANT
QTY	QUANTITY
RECT	RECTIFIER
RBS	RADIO BASE STATION
RET	REMOTE ELECTRIC TILT
RFDS	RADIO FREQUENCY DATA SHEET
RRH	REMOTE RADIO HEAD
RRU	REMOTE RADIO UNIT
SIAD	SMART INTEGRATED DEVICE
TMA	TOWER MOUNTED AMPLIFIER
TYP	TYPICAL
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
W.P.	WORK POINT

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

5/10/22

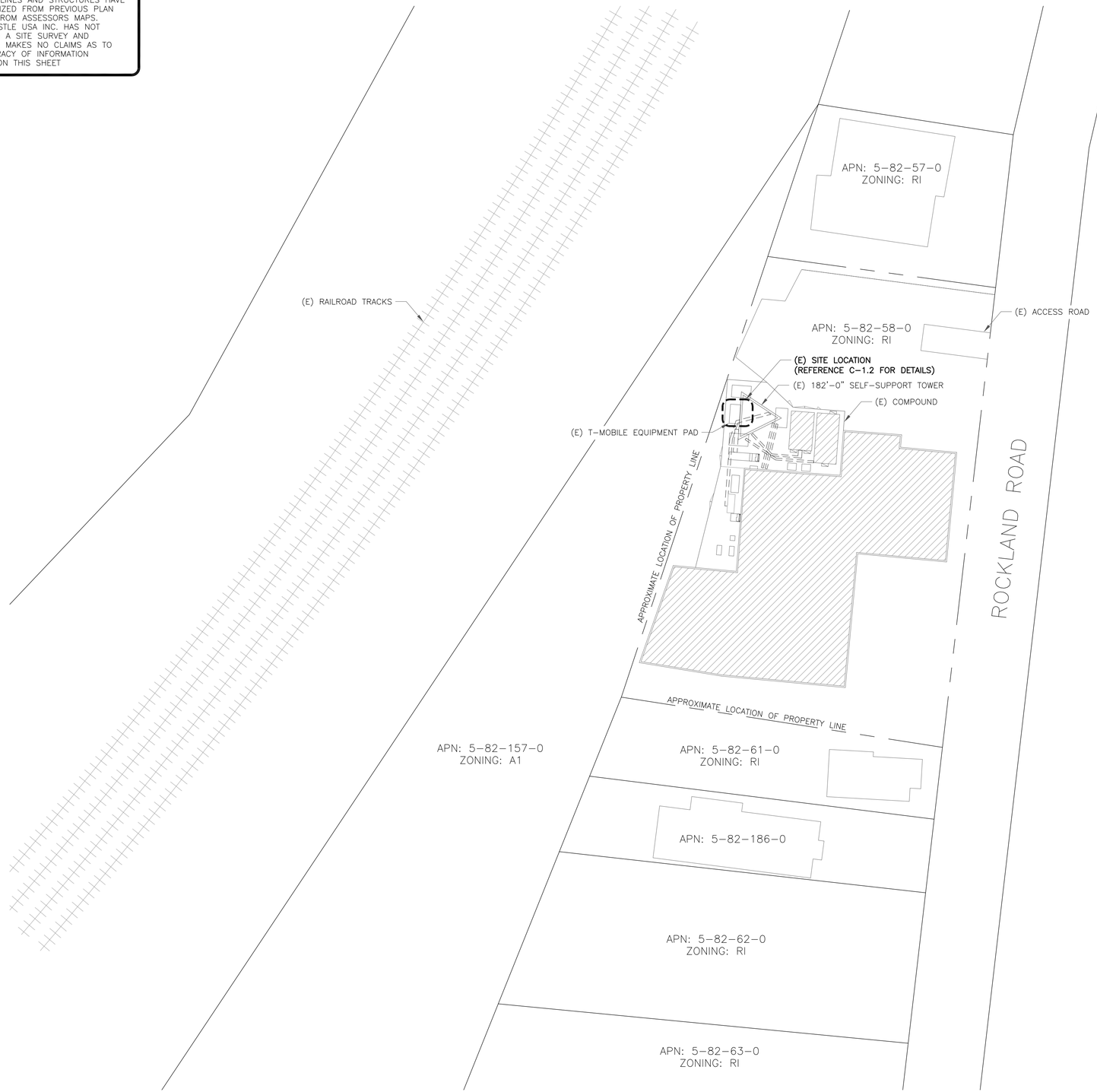
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: T-2
REVISION: 5

82164_807133_AE_CDs_BRG 134_Prelim.dwg – Sheet:T-2 – User: mjones – May 11, 2022 – 2:44pm

SITE PLAN DISCLAIMER:

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



1 OVERALL SITE PLAN

SCALE: 30' 15' 0 30' 1"=30'-0" (FULL SIZE) 1"=60'-0" (11x17)

N

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

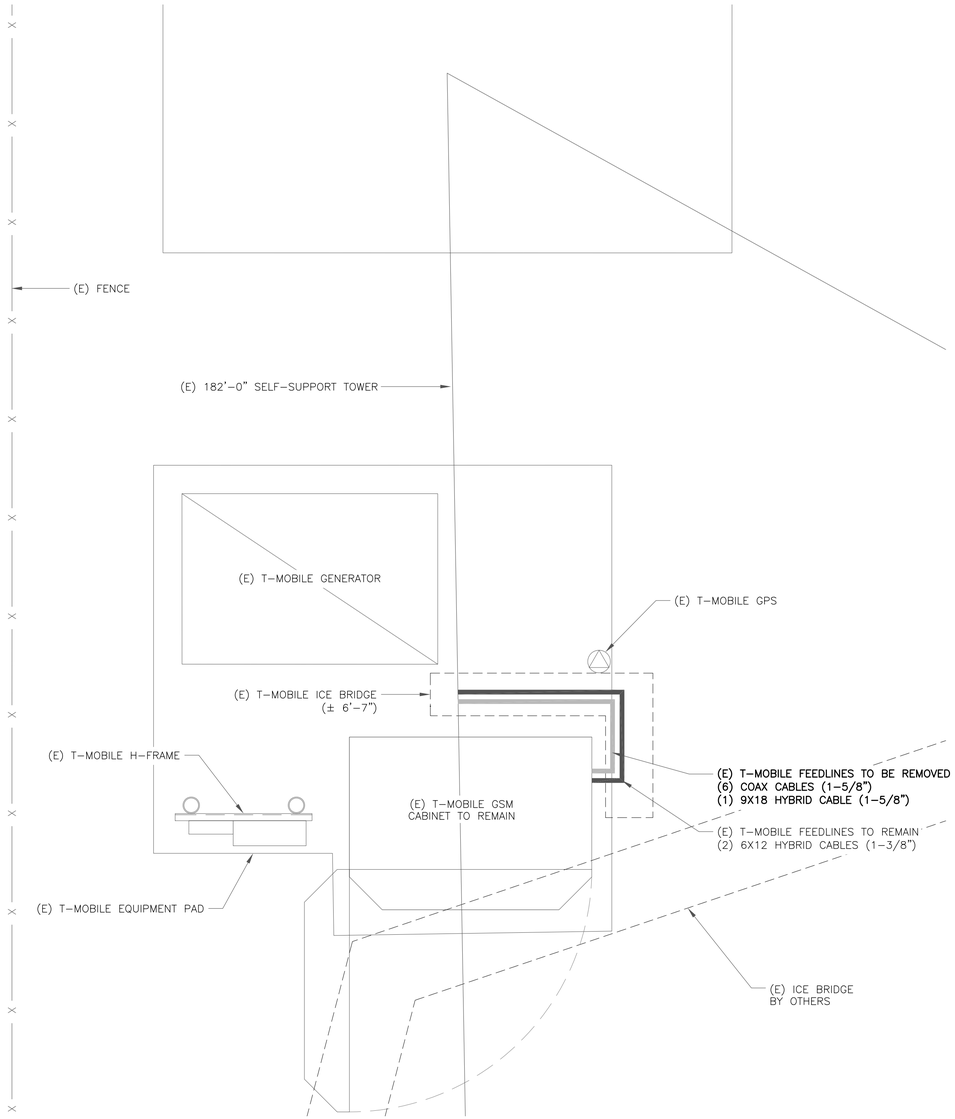
REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

STATE OF CONNECTICUT · DAVID A. SCHIAVONE · No. 23924 · LICENSED PROFESSIONAL ENGINEER
5/10/22

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: C-1.1

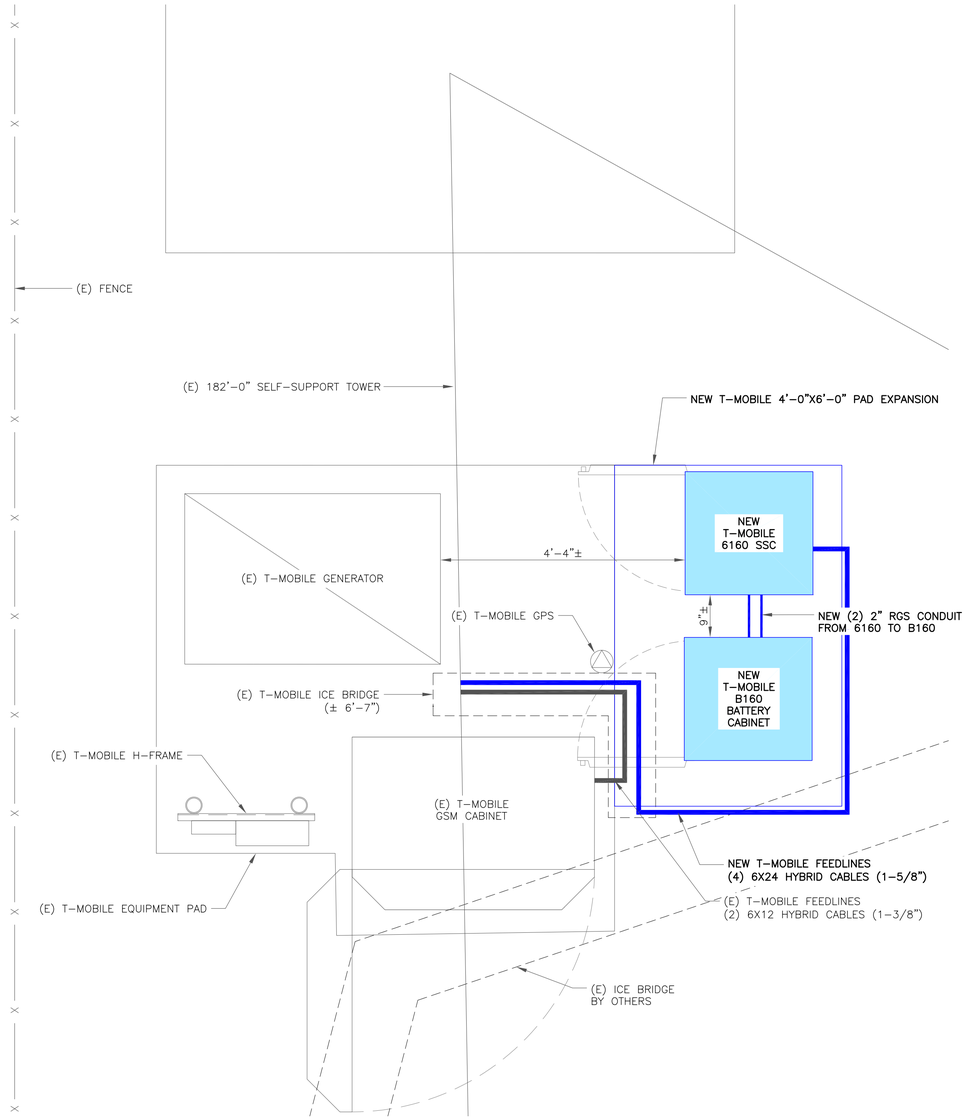
REVISION: 5



1 EXISTING EQUIPMENT PLAN

SCALE: 4' 3' 2' 1' 0 4' 1/4"=1'-0" (FULL SIZE) 1/8"=1'-0" (11x17)

N



2 FINAL EQUIPMENT PLAN

SCALE: 1' 6" 0 1' 3/4"=1'-0" (FULL SIZE) 3/8"=1'-0" (11x17)

N

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

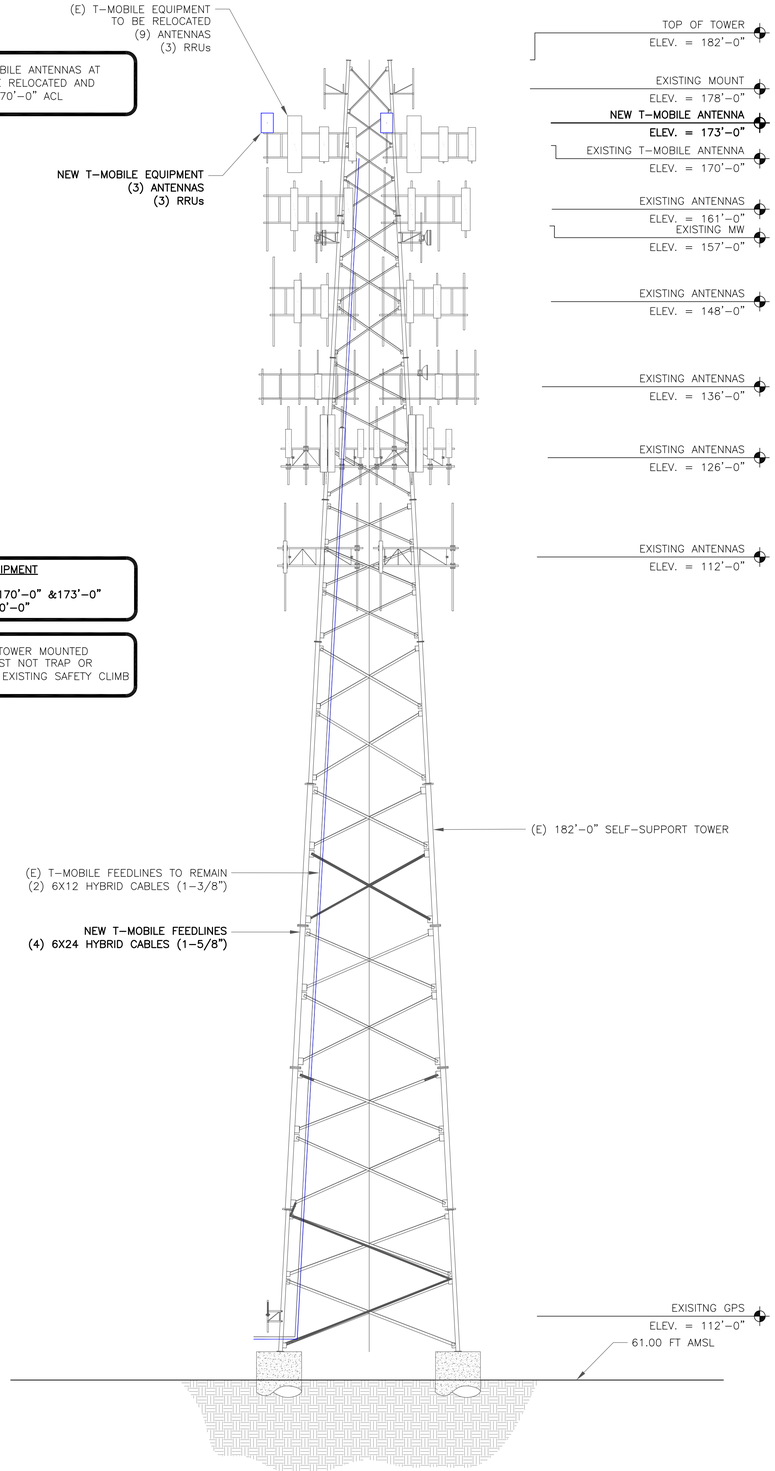
REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

STATE OF CONNECTICUT
GUO YUE
No. 23924
LICENSED
PROFESSIONAL ENGINEER
5/10/22

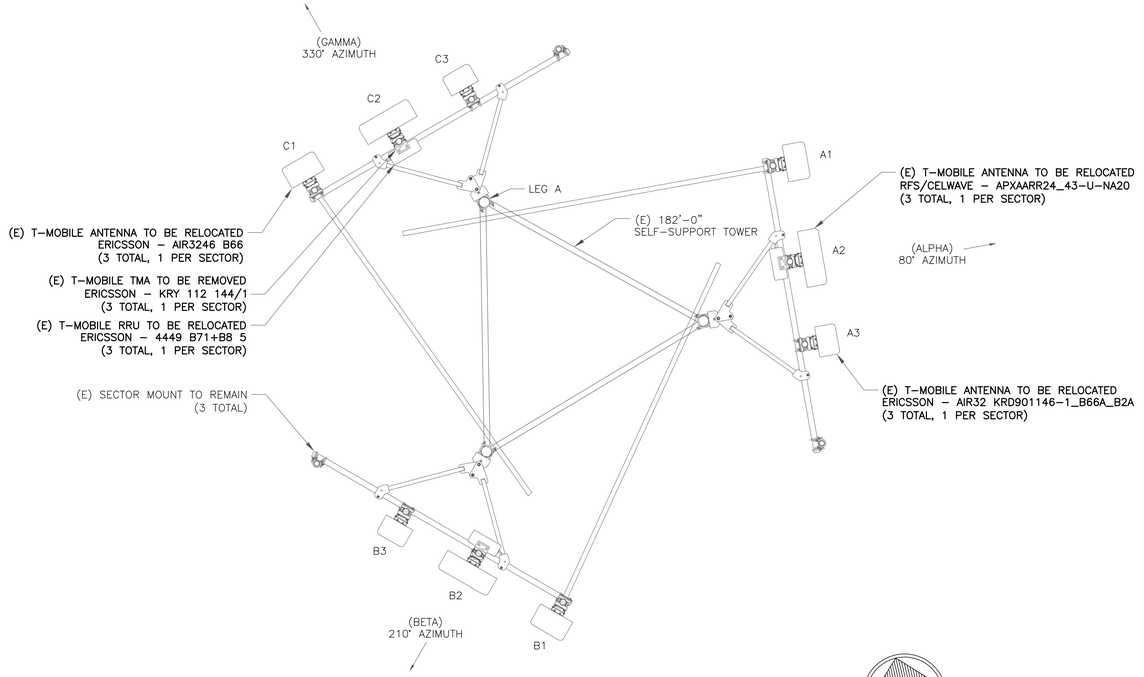
B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: C-1.2

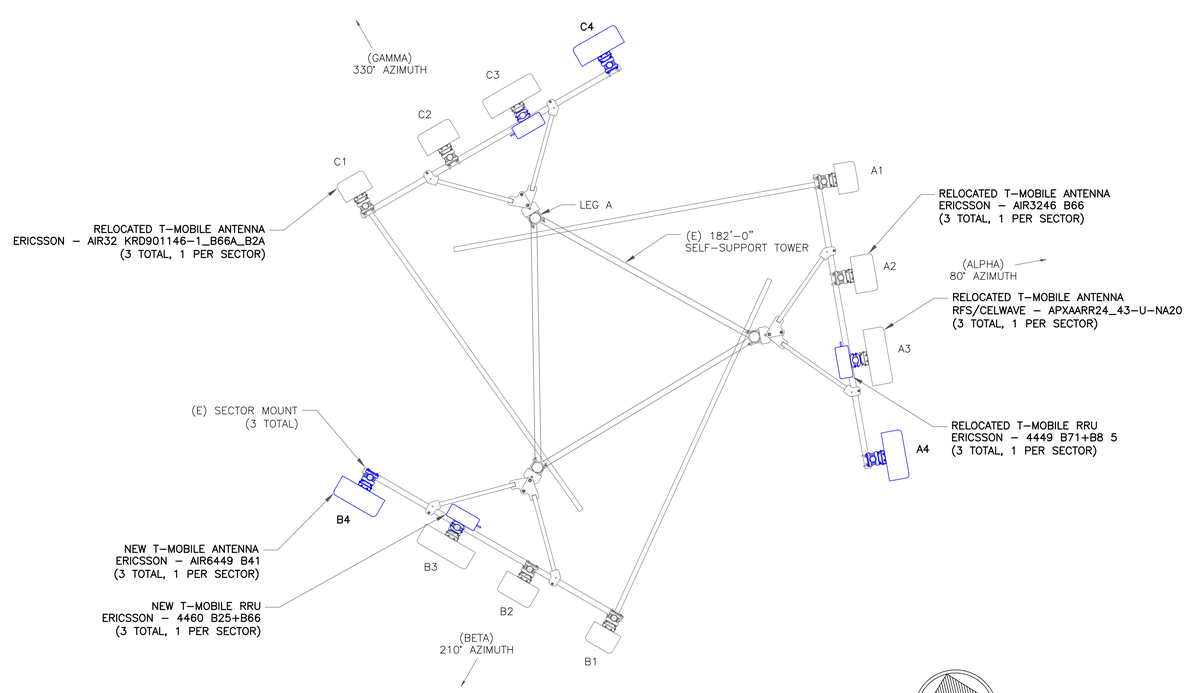
REVISION: 5



1 FINAL ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA LAYOUT
SCALE: NOT TO SCALE



3 FINAL ANTENNA LAYOUT
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: C-2

REVISION: 5

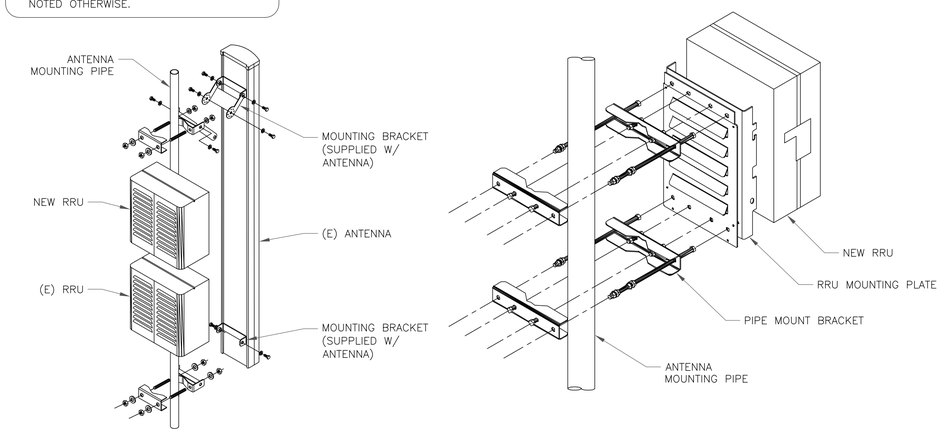
ANTENNA SCHEDULE

SECTOR	POS.	TECHNOLOGY	RAD CENTER	AZIMUTH	ANTENNA MANUFACTURER	ANTENNA MODEL	MECH. TILT	ELECT. TILT	TOWER MOUNTED EQUIPMENT	FEEDLINE TYPE
ALPHA	A1	G1900/L1900/U2100	170'-0"	80°	ERICSSON	AIR32-KRD901146-1_B66A_B2A	0°	–	–	(1) 1-3/8" HYBRID
ALPHA	A2	L2100	170'-0"	80°	ERICSSON	AIR3246 B66	0°	–	–	–
ALPHA	A3	LTE 600/700/1900/N600	170'-0"	80°	RFS/CELWAVE	APXVAARR24_43-U-NA20	0°	–	(1) ERICSSON – 4449 B71 B85A_T-MOBILE (1) ERICSSON – RRUS 4460 B25+B66	–
ALPHA	**A4**	**L2500/N2500**	**173'-0"**	**80°**	**ERICSSON**	**AIR6449 B41**	**0°**	**–**	**–**	**(1) 1-3/8" HYBRID**
BETA	B1	G1900/L1900/U2100	170'-0"	210°	ERICSSON	AIR32-KRD901146-1_B66A_B2A	0°	–	–	(1) 1-3/8" HYBRID
BETA	B2	L2100	170'-0"	210°	ERICSSON	AIR3246 B66	0°	–	–	–
BETA	B3	LTE 600/700/1900/N600	170'-0"	210°	RFS/CELWAVE	APXVAARR24_43-U-NA20	0°	–	(1) ERICSSON – 4449 B71 B85A_T-MOBILE (1) ERICSSON – RRUS 4460 B25+B66	–
BETA	**B4**	**L2500/N2500**	**173'-0"**	**210°**	**ERICSSON**	**AIR6449 B41**	**0°**	**–**	**–**	**(1) 1-3/8" HYBRID**
GAMMA	C1	G1900/L1900/U2100	170'-0"	330°	ERICSSON	AIR32-KRD901146-1_B66A_B2A	0°	–	–	(1) 1-3/8" HYBRID
GAMMA	C2	L2100	170'-0"	330°	ERICSSON	AIR3246 B66	0°	–	–	–
GAMMA	C3	LTE 600/700/1900/N600	170'-0"	330°	RFS/CELWAVE	APXVAARR24_43-U-NA20	0°	–	(1) ERICSSON – 4449 B71 B85A_T-MOBILE (1) ERICSSON – RRUS 4460 B25+B66	–
GAMMA	**C4**	**L2500/N2500**	**173'-0"**	**330°**	**ERICSSON**	**AIR6449 B41**	**0°**	**–**	**–**	**(1) 1-3/8" HYBRID**

1 ANTENNA AND CABLE SCHEDULE
SCALE: NOT TO SCALE

INSTALLER NOTES:

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



2 ANTENNA WITH RRUs MOUNTING DETAIL
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

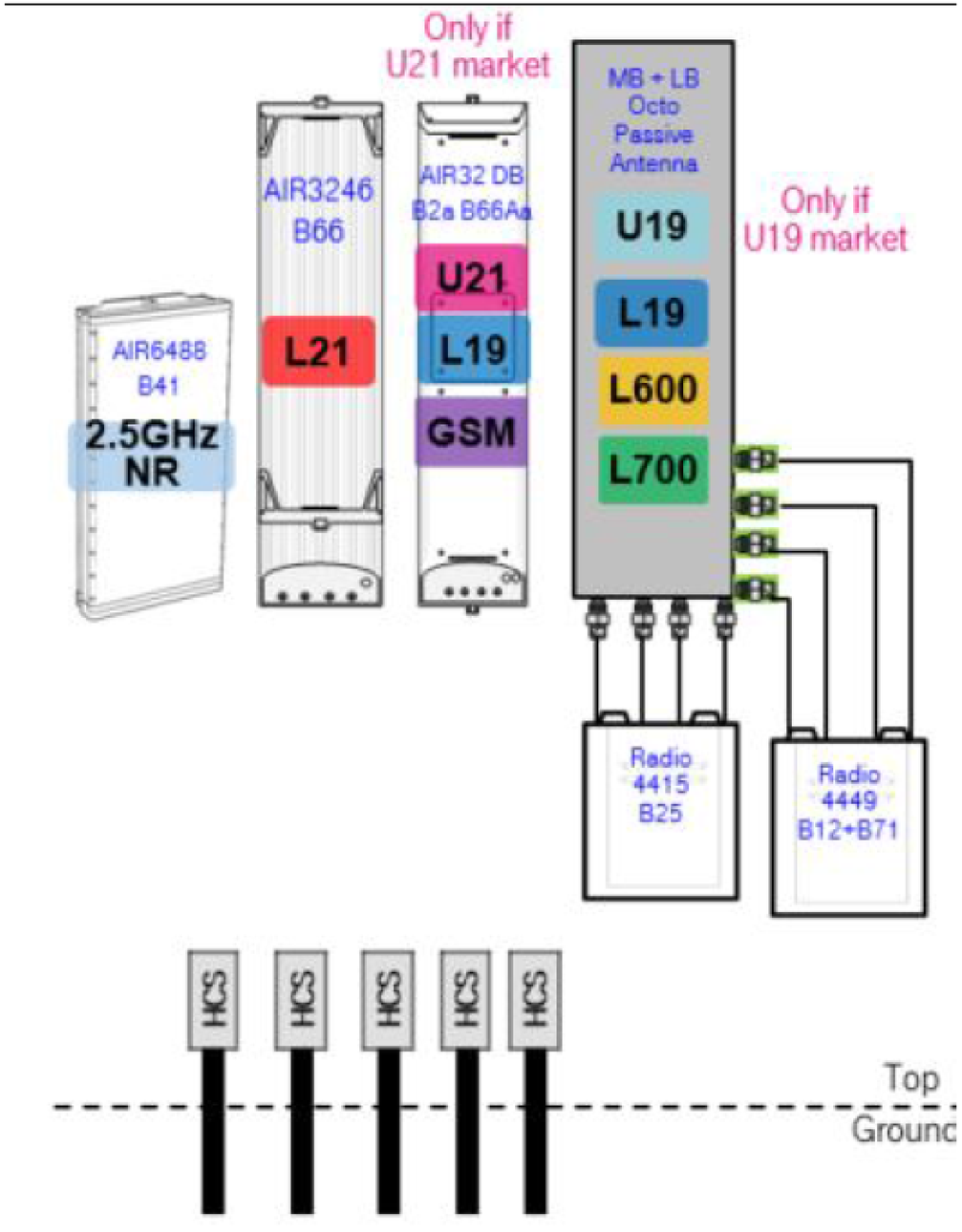
STATE OF CONNECTICUT
GREG E. HAMEL
No. 23924
LICENSED
PROFESSIONAL ENGINEER
5/10/22

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: C-3

REVISION: 5

67D5992M.JPG



Notes:

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

EXISTING
182'-0" SELF-SUPPORT TOWER

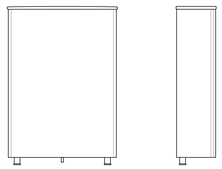
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

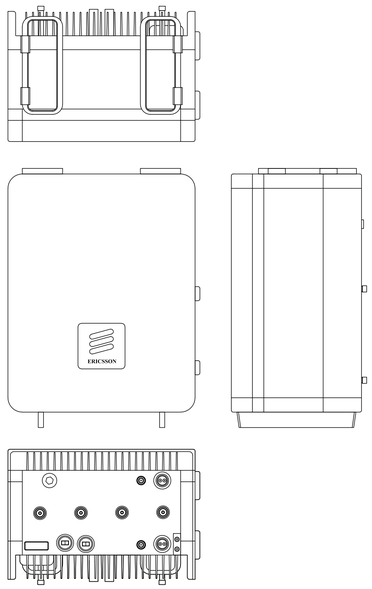
SHEET NUMBER: C-4

REVISION: 5



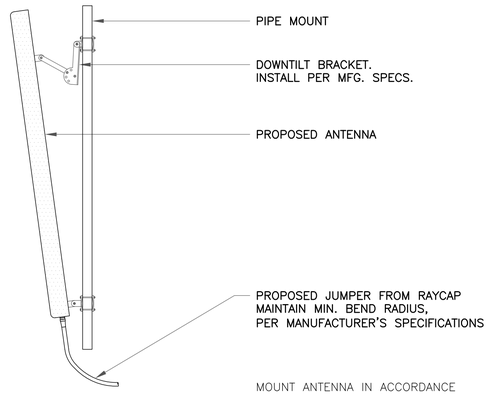
ANTENNA SPECS	
MANUFACTURER	ERICSSON
MODEL #	AIR6449 B41
WIDTH	20.60"
DEPTH	8.60"
HEIGHT	33.10"
WEIGHT	104 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE

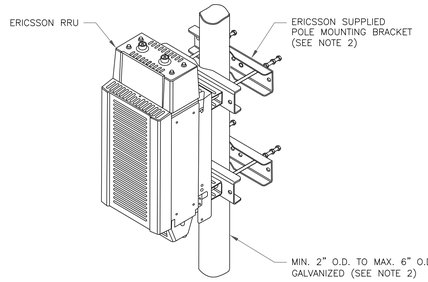


ERICSSON – RADIO 4460
WEIGHT: 109 LBS
SIZE (HxWxD): 17.0x15.1x11.9 IN.

2 ERICSSON – RADIO 4460
SCALE: NOT TO SCALE



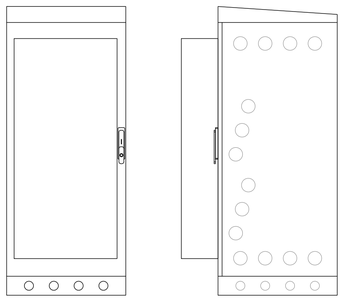
3 ANTENNA MOUNTING DETAIL
SCALE: NOT TO SCALE

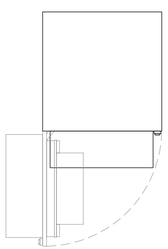


NOTES:

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

4 RRU MOUNTING DETAIL
SCALE: NOT TO SCALE





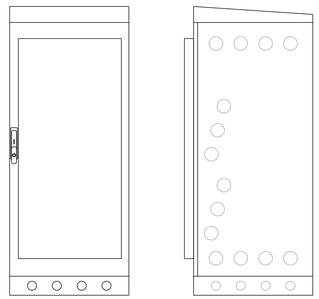
EQUIPMENT NOTES:

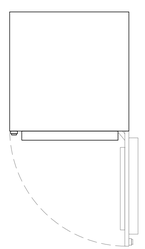
HEIGHTxWIDTHxDEPTH: 63.0" x 26.0" x 34.0"
(1600.0mm x 660.0mm x 864.0mm)

WEIGHT (EMPTY): 320 LBS (145 kg)

WEIGHT (FULLY LOADED): 1,500 LBS (681 kg)

5 ERICSSON – 6160
SCALE: NOT TO SCALE





EQUIPMENT NOTES:

HEIGHTxWIDTHxDEPTH: 63.0" x 26.0" x 28.0"
(1600.0mm x 660.0mm x 711.0mm)

WEIGHT (EMPTY): 295 LBS (134 kg)

WEIGHT (FULLY LOADED): 2,000 LBS (908 kg)

6 ERICSSON – B160
SCALE: NOT TO SCALE

7 NOT USED
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: C-5

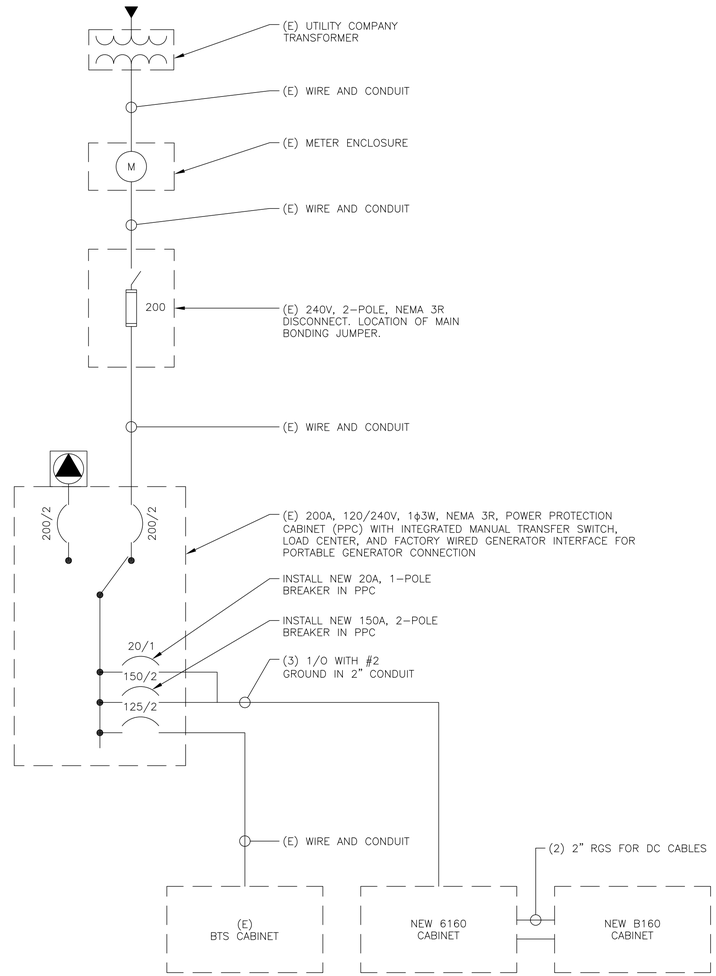
REVISION: 5

FINAL PANEL SCHEDULE							
LOAD	POLES	AMPS	BUS L1	BUS L2	AMPS	POLES	LOAD
BTS #1	2	50A	1	2	50A	2	BTS #2
			3	4			
UMTS 3106	2	60A	5	6	150A	2	6160
			7	8			
CT6131	2	125A	9	10	20A	1	GFCI
			11	12			
			13	14			
			15	16			
			17	18			
			19	20			
			21	22			
			23	24			
			25	26			
			27	28			
			29	30			

RATED VOLTAGE: ■120/240 ☐_____, 1 PHASE, 3 WIRE	BRANCH POLES: ☐12 ☐20 ■30 ☐42	APPROVED MF'RS
RATED AMPS: ☐100 ■200 ☐400 ☐_____	CABINET: ■SURFACE ☐FLUSH	NEMA ☐1 ■3R ☐4X
☐MAIN LUGS ONLY ☐MAIN 200 AMPS ■BREAKER ☐FUSED SWITCH	■HINGED DOOR	■KEYED DOOR LATCH
☐FUSED ■CIRCUIT BREAKER BRANCH DEVICES	☐_____ TO BE GFCI BREAKERS	FULL NEUTRAL BUS ☐GROUND BAR
ALL BREAKERS MUST BE RATED TO INTERRUPT A SHORT CIRCUIT ISC OF 10,000 AMPS SYMMETRICAL		

INSTALL NEW 2P 150A BREAKER IN POSITION 6 AND 8.
INSTALL NEW 1P 20A BREAKER IN POSITION 10.
INSTALL NEW WIRES FOR PROPOSED 6160 CABINET: (3) #2 AWG THWN (COPPER) WITH #8 AWG GROUND. MINIMUM CONDUIT SIZE TO BE 2".
FINAL PANEL DESIGN AND CALCULATIONS FOR WIRE SIZE WERE BASED OFF OF EXISTING DOCUMENTS AND PHOTOS

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



NOTES:

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

2 ONE LINE DIAGRAM
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

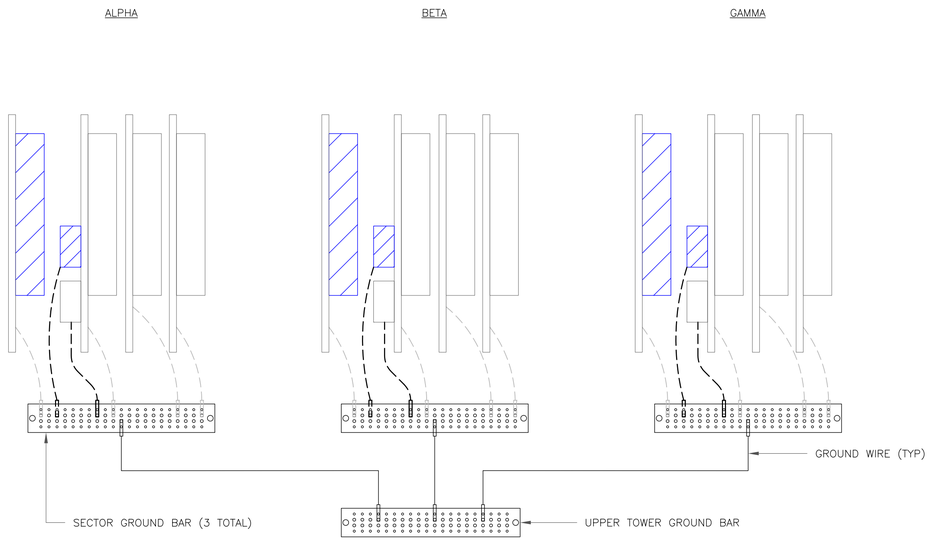
EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: E-1
REVISION: 5



NOTE:

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

1 ANTENNA GROUNDING DIAGRAM
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

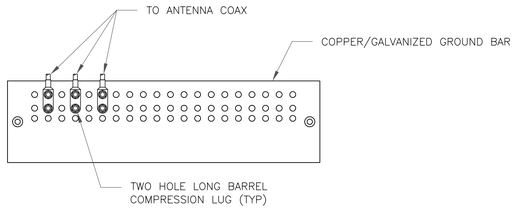
REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

STATE OF CONNECTICUT
GARO H. ENGLE
No. 23924
LICENSED
PROFESSIONAL ENGINEER
5/10/22

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: G-1

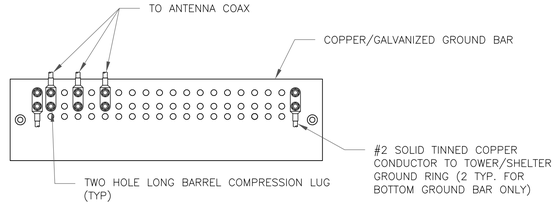
REVISION: 5



NOTES:

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

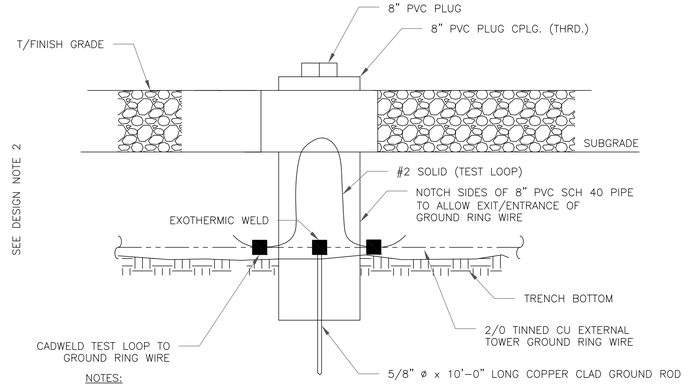
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

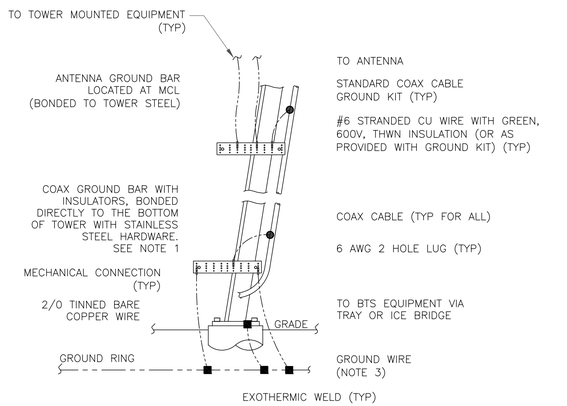
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

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

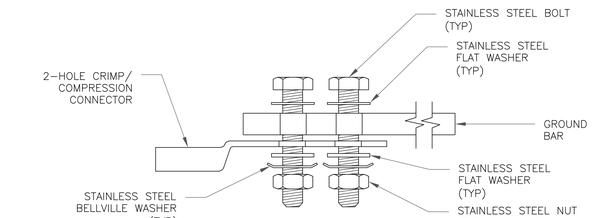
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



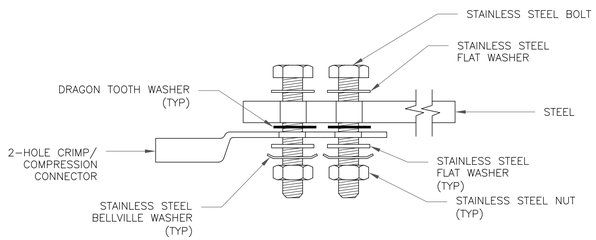
NOTES:

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

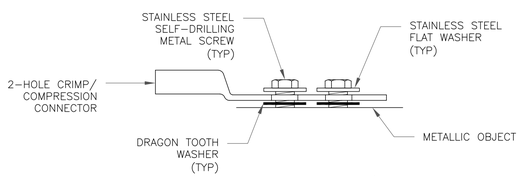
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

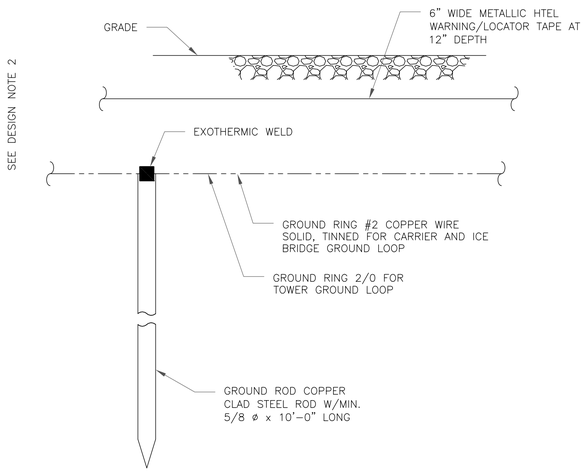


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

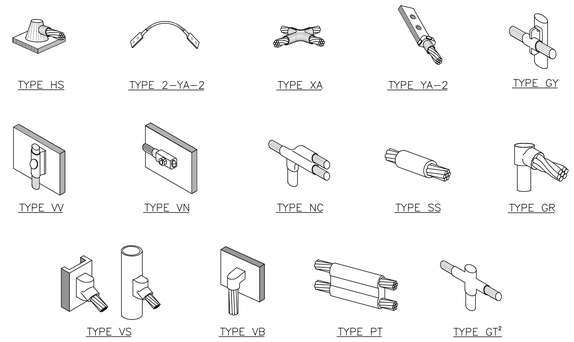
EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: G-2
REVISION: 5

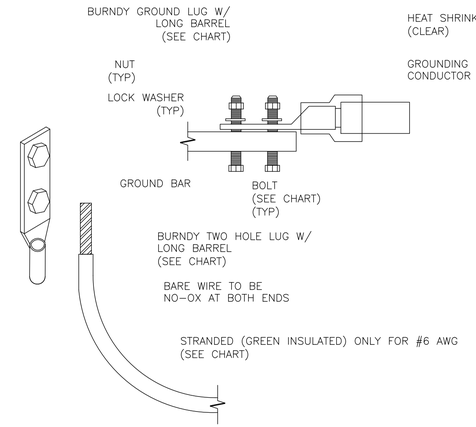


NOTE:

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

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

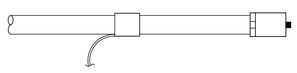
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

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

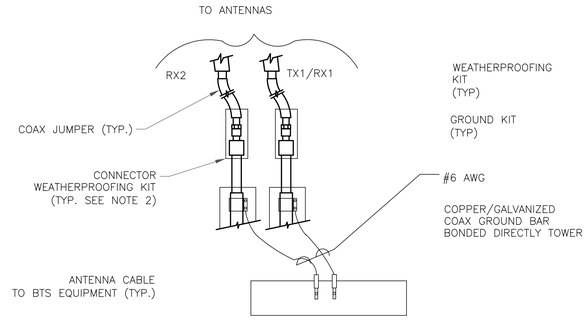
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

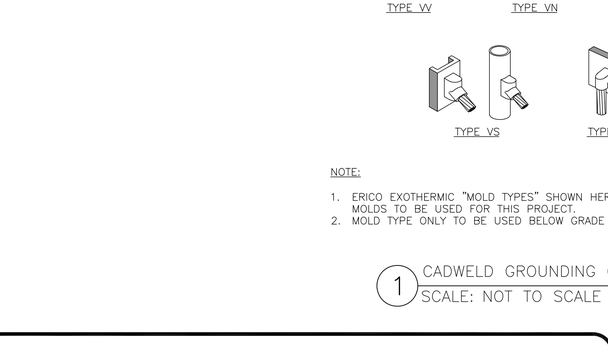
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



NOTES:

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

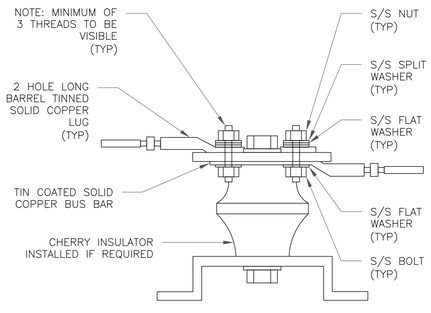
4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



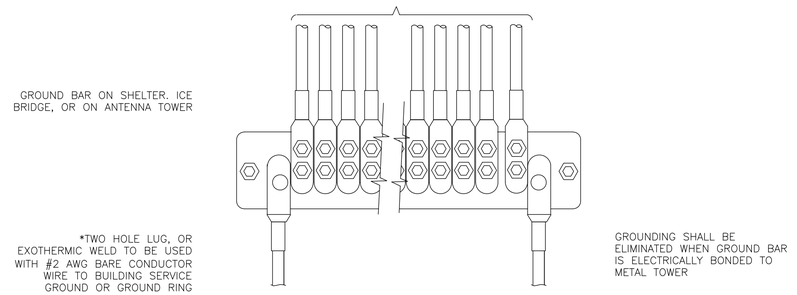
NOTES:

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

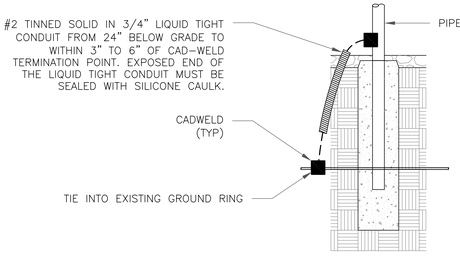
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

T-Mobile
35 GRIFFIN ROAD
BLOOMFIELD, CT 06002

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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

T-MOBILE
SITE NUMBER: **CT11114D**

BU #: **807133**
BRG 134 943057

50 ROCKLAND RD
NORWALK, CT 06854

EXISTING
182'-0" SELF-SUPPORT TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
1	7/31/20	MLC	CONSTRUCTION	GEH
2	8/14/20	MLC	CONSTRUCTION	GEH
3	4/6/22	JHW	CONSTRUCTION	MTJ
4	4/29/22	DAS	CONSTRUCTION	MTJ
5	5/10/22	DAS	CONSTRUCTION	MTJ

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/23

SHEET NUMBER: G-3
REVISION: 5