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

June 5, 2023

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

RE: **Notice of Exempt Modification for ATT**
Crown #841298; ATT Site ID CT1033
250 Meriden Waterbury Turnpike, Southington, CT 06489
Latitude: 41° 33′ 24.54″ / Longitude: -72° 51′ 10.84″

Dear Ms. Bachman:

AT&T currently maintains three (3) antennas at the 110-foot level of the existing 120-foot self-support tower at 250 Meriden Waterbury Turnpike, Southington, CT. The tower is owned by Crown Castle USA Inc. and the property is owned by John Rogus. AT&T now intends to replace three (3) antennas with three (3) new antennas and ancillary equipment at the 110-foot level. This modification may include B2, B5, B17, B14, B29, B30, B66 & n77 hardware that is 4G(LTE) and/or 5GNR 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) COMMSCOPE-NNHHS4-65C-R5 Antennas @ 110 ft.
(3) Ericsson-RRUS 8863 N77 @ 110 ft.
(3) Ericsson-RRUS 4478 B14 @ 110 ft.
(6) Y CABLES for Dual Mount Radios
Mount modifications @ 118 ft. level

Remove:
(3) CCI-OPA-65R-LCUU-H6 Antennas
(6) 1-1/4" COAX CABLES

Ground:

Install New:
(4) GE 48V DC Rectifiers
(1) 48V Battery Rack
(5) 48V Strings of 170AH Batteries
(1) Gen 2 RM DC12
(1) 6648 w/XCEDE Cable

Remove:

(1) GE 48-24v Vertiv Shelf and 2 Up Converters
(3) EAST PENN 170 AH Battery Strings
(12) POWERWAVE-CM1007-DBPXBC-003 Diplexers

In 1999, AT&T received Council approval to replace two (2) existing communications towers at the Site with a single 80-foot lattice tower and install its antennas at the top of the tower (TS-SCLP-131-990317). Subsequently, the Council approved a tower extension in Petition No. 1349 which increased the height of the tower to 120 feet overall.

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 Town Manager Mark J. Sciota for the municipality, Acting Director of Planning David Lavallee, property owner John Rogus and Crown Castle is the tower owner.

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

For the foregoing reasons, ATT 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: Domenica Tatasciore.

Sincerely,

Domenica Tatasciore
Site Acquisition Specialist
1800 W. Park Drive
Westborough, MA 01581
(508) 621-9161/ Domenica.Tatasciore@crowncastle.com

Attachments
cc:

Mark J. Sciota, Town Manager
Southington Town Hall
75 Main Street
Southington, CT 06489
860-276-6200

David Lavallee, Acting Director of Planning
Southington Municipal Center
196 North Main Street
Southington, CT 06489
860-276-6248

John Rogus, Property Owner
250 Meriden Waterbury Parkway
Southington, CT 06489
860-637-8943

Crown Castle, Tower Owner

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 772299562207: Your package has been delivered
Date: Tuesday, June 6, 2023 10:02:25 AM

Hi. Your package was delivered Tue, 06/06/2023 at 9:54am.

Delivered to 75 MAIN ST, SOUTHINGTON, CT 06489
Received by R.POST

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	772299562207
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Southington Town Hall Town Manager Mark J. Sciota 75 Main Street SOUTHINGTON, CT, US, 06489
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 6/05/2023 05:19 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	SOUTHINGTON, CT, US, 06489
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 772299592302: Your package has been delivered
Date: Tuesday, June 6, 2023 10:11:42 AM

Hi. Your package was delivered Tue, 06/06/2023 at 10:04am.

Delivered to 196 N MAIN ST, SOUTHINGTON, CT 06489
Received by M.MCDONALD

OBTAIN PROOF OF DELIVERY

How was your delivery ?

TRACKING NUMBER	772299592302
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	Southington Municipal Center David Lavallee, Planning Director 196 North Main Street SOUTHINGTON, CT, US, 06489
REFERENCE	799001.7680
SHIPPER REFERENCE	799001.7680
SHIP DATE	Mon 6/05/2023 05:19 PM
DELIVERED TO	Receptionist/Front Desk
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	SOUTHINGTON, CT, US, 06489
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

From: TrackingUpdates@fedex.com
To: Tatasciore, Domenica
Subject: FedEx Shipment 772299609600: Your package has been delivered
Date: Tuesday, June 6, 2023 9:45:02 AM

Hi. Your package was delivered Tue, 06/06/2023 at 9:37am.

Delivered to 250 MERIDEN WATERBURY TPK, SOUTHINGTON, CT 06489

OBTAIN PROOF OF DELIVERY

Delivery picture not showing? View in browser.

How was your delivery ?

TRACKING NUMBER	772299609600
FROM	Crown Castle 1800 West Park Drive Suite 200 WESTBOROUGH, MA, US, 01581
TO	John Rogus 250 Meriden Waterbury Parkway SOUTHINGTON, CT, US, 06489
REFERENCE	799001 7680
SHIPPER REFERENCE	799001 7680
SHIP DATE	Mon 6/05/2023 05:19 PM
DELIVERED TO	Residence
PACKAGING TYPE	FedEx Envelope
ORIGIN	WESTBOROUGH, MA, US, 01581
DESTINATION	SOUTHINGTON, CT, US, 06489

SPECIAL HANDLING	Residential Delivery
NUMBER OF PIECES	1
TOTAL SHIPMENT WEIGHT	0.50 LB
SERVICE TYPE	FedEx Priority Overnight

Home delivery preferences? Do tell.

Want us to leave your package at a side door or gate for extra security? Sign up for Fedex Delivery Manager® to give your driver delivery preferences.

ENROLL FOR FREE

FOLLOW FEDEX

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 8:44 AM CDT 06/06/2023.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
www.ct.gov/csc

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

October 26, 2018

Lucia Chiocchio, Esq.
Cuddy & Feder, LLP
445 Hamilton Avenue, 14th Floor
White Plains, NY 10601

RE: **PETITION NO. 1349** – New Cingular Wireless PCS, LLC petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed extension of an existing wireless telecommunications facility located at 250 Meriden Waterbury Turnpike, Southington, Connecticut.

Dear Attorney Chiocchio:

At a public meeting held on October 25, 2018, the Connecticut Siting Council (Council) considered and ruled that the above-referenced proposal would not have a substantial adverse environmental effect, and pursuant to Connecticut General Statutes § 16-50k, would not require a Certificate of Environmental Compatibility and Public Need with the following conditions:

1. Prior to AT&T's antenna installation the tower modification shall be carried out in accordance with the Structural Modification Report and Modification Drawings prepared by Paul J. Ford, dated March 16, 2018 and March 19, 2018 respectively, and stamped and signed by Joseph Pachicarah Jacobs;

2. Within 45 days following completion of proposed modifications, AT&T shall provide documentation that its installation complied with the recommendations of the Tower Modification Schedule;

3. Approval of any minor project changes be delegated to Council staff;

4. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed within three years from the date of the mailing of the Council's decision, this decision shall be void, and the facility owner/operator shall dismantle the facility and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's decision shall not be counted in calculating this deadline. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The facility owner/operator shall provide written notice to the Executive Director of any schedule changes as soon as is practicable;

5. Any request for extension of the time period to fully construct the facility shall be filed with the Council not later than 60 days prior to the expiration date of this decision and shall be served on all parties and intervenors, if applicable, and the Town of Southington;

6. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;

7. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by the Petitioner shall be removed within 60 days of the date the antenna ceased to function;

8. The facility owner/operator shall remit timely payments associated with annual assessments and invoices submitted by the Council for expenses attributable to the facility under Conn. Gen. Stat. §16-50v;

9. This Declaratory Ruling may be transferred, provided the facility owner/operator/transferor is current with payments to the Council for annual assessments and invoices under Conn. Gen. Stat. §16-50v and the transferee provides written confirmation that the transferee agrees to comply with the terms, limitations and conditions contained in the Declaratory Ruling, including timely payments to the Council for annual assessments and invoices under Conn. Gen. Stat. §16-50v; and

10. If the facility owner/operator is a wholly owned subsidiary of a corporation or other entity and is sold/transferred to another corporation or other entity, the Council shall be notified of such sale and/or transfer and of any change in contact information for the individual or representative responsible for management and operations of the facility within 30 days of the sale and/or transfer.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the petition received September 4, 2018 and additional information received on October 5, 2018 and October 11, 2018.

Enclosed for your information is a copy of the staff report on this project.

Sincerely,

Robert Stein

Robert Stein
Chairman

RS/IN/lm

Enclosure: Staff Report dated October 25, 2018

c: The Honorable Christopher Palmieri, Chairman, Town of Southington
Mark J. Sciota, Town Manager, Town of Southington
Robert Phillips, Director of Planning and Community Development, Town of Southington
John Rogus, property owner

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
www.ct.gov/csc

Petition No. 1349
New Cingular Wireless PCS, LLC
Southington, Connecticut
Staff Report
October 25, 2018

On September 4, 2018, New Cingular Wireless PCS, LLC (AT&T) submitted a petition (Petition) to the Connecticut Siting Council (Council) for a declaratory ruling pursuant to Connecticut General Statutes (CGS) §4-176 and §16-50k for the proposed extension of an existing wireless telecommunications facility located at 250 Meriden Waterbury Turnpike, Southington, Connecticut. A field review of the proposed project was conducted on September 25, 2018. Council member Daniel Lynch and Fred Cunliffe and Ifeanyi Nwankwo of the Council staff attended the field review. Kristen Motel Esq., Mark Roberts and Brian Huff attended the field review as representatives of AT&T. At the request of the Council, AT&T attempted to fly a balloon during the field review to simulate the proposed extension of the facility, but it was unsuccessful due to weather conditions. AT&T conducted a second balloon float at the site on October 1, 2018. Two balloons were flown, one red (2-feet in diameter) and one white (3.5-feet in diameter) and flown at elevations of 110-feet and 120-feet above ground level, respectively.

The existing facility is located on a 1.2 acre parcel containing a commercial building, associated outbuildings and a parking area within a Business District Zone. The surrounding area consists of a mix of residential, commercial and retail uses to the north and west and residential uses to the south and east.

The existing facility consists of an 80-foot self-supporting lattice tower owned by Crown Castle. AT&T currently has nine antennas mounted at a center line height of 78-feet above ground level (agl) and Verizon has six antennas mounted at a center line height of 60-feet agl. AT&T and Verizon have associated equipment located at the base of the tower. The equipment shelter is locked and the tower is equipped with an anti-climbing shield.

AT&T proposes to extend the height of the existing self-supporting lattice tower to 120-feet agl. AT&T would remove its existing antennas and install three new 700/850 MHz antennas at the top of the lattice extension. Antennas would be installed at a centerline height of 120-feet agl. The height at the top of AT&T's antennas would be 123-feet agl. AT&T would also install six remote radio head units (RRU's), one surge arrestor, nine cables and an 11-foot lightning mast at the same 120-foot level. The proposed equipment is dual technology capable and compatible with 5G. Aside from minor equipment upgrades within AT&T's equipment shelter, there will be no changes to the existing equipment area at ground level. Existing access to the site would continue to be used. Verizon's existing antennas and equipment would not be affected.

AT&T has backup power batteries within its equipment shelter. These batteries can handle periods of commercial power outages of up to eight hours. For extended commercial power outages, AT&T would utilize a mobile diesel generator that would be transported to the site. This method of backup power has been successfully deployed several times during the sites existence.

AT&T states that in the event of a tower failure due to a catastrophic event, the tower's control section (40 – 60 foot along the legs of the tower) would cause it to collapse upon itself keeping it within the subject parcel.

The purpose of the proposed modification is to provide reliable wireless service in this area of Southington. The existing AT&T antennas are currently at or below the height of the surrounding tree canopy and as a result two of the three sectors of antennas are blocked by the tree line. AT&T dropped call data for this site indicates elevated voice and data drops, as well as substandard data service, that drive the need for the proposed height extension. The proposed height is the lowest height AT&T could locate antennas to gain the coverage necessary to provide reliable service, particularly north along State Route 120. Reducing the height to 100-feet would decrease coverage by one-half to the area.

The proposed extension would have a minimal impact on visibility. The proposed extension would be consistent with the existing tower in design, color and material. Views from the closest residential areas on Meriden Waterbury Turnpike and Orchard Lane are not expected to be substantial. The existing facility can be seen from West Peak and Castle Craig (0.5 miles and 0.9 miles northeast respectively, of the AT&T facility) within Hubbard Park in Meriden. The proposed extension would also be visible from these locations.

There are no schools or child day care centers within 1,000-feet of the tower. The nearest school is South End Elementary School located approximately 8,270-feet from the site. There are 72 residences within 1000-feet of the existing site. The closest residence is within approximately 10-feet and is located on the subject parcel. The closest off-site residence is within approximately 200-feet and is located at Orchard Lane.

The site is outside of the 100-year and 500-year flood zones. The nearest wetland is approximately 1,155-feet to the northwest of the site. No aviation marking or lighting is required. The nearest Important Bird Areas to the site (East Rock Park (11 miles away) and Naugatuck State Forest (12 miles away)) would not be adversely impacted by the proposed modification. Furthermore, the proposed modifications would comply with the recommended guidelines of the U.S. Fish and Wildlife Service for minimizing the potential for telecommunication towers to impact bird species.

There will be no ground disturbance or tree removal for the proposed extension.

A Professional Engineer duly licensed in the State of Connecticut has certified that the tower is structurally adequate to support the proposed loading with certain conditions. The maximum worst-case power density would be 25.2% of the applicable limit. AT&T's RF Tier rating for this facility is Tier 1 (level of priority to maintain network continuity) since it provides service to an interstate highway (I-691).

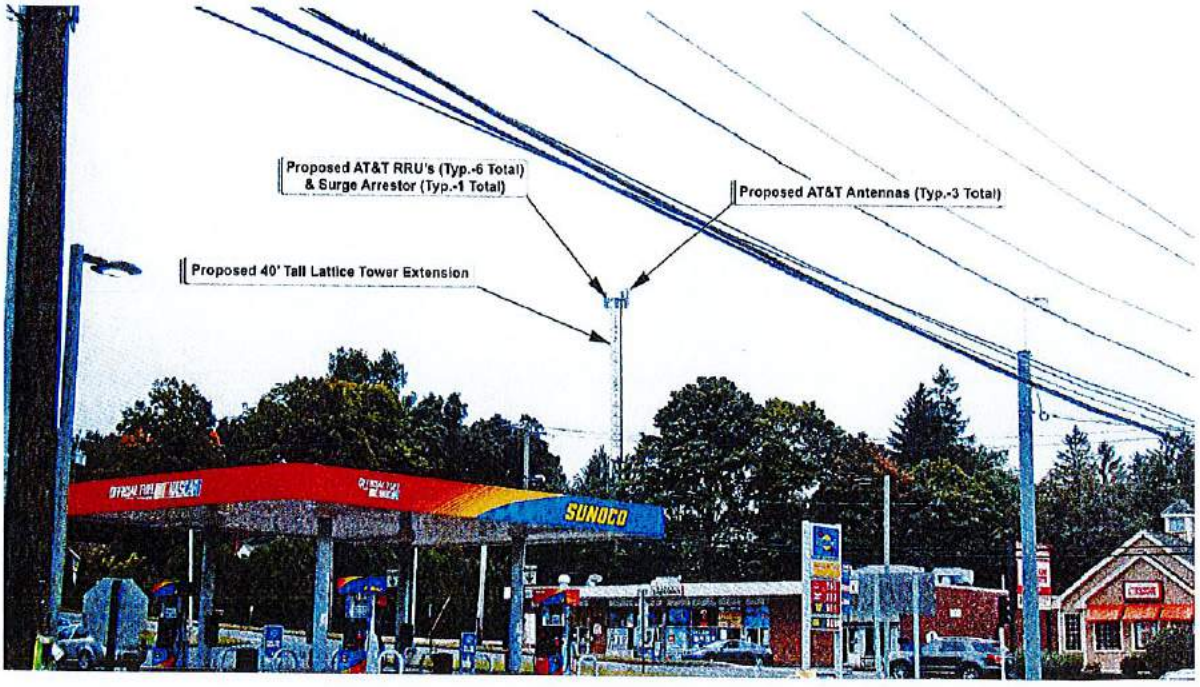
Notice was provided to the Town of Southington, the property owner and abutting property owners on August 29, 2018. No comments have been received to date.

AT&T contends that this proposal will not have a substantial adverse environmental effect. Staff recommends approval with the following conditions:

- Prior to AT&T's antenna installation the tower modification shall be carried out in accordance with the Structural Modification Report and Modification Drawings prepared by Paul J. Ford, dated March 16, 2018 and March 19, 2018 respectively, and stamped and signed by Joseph Pachicarah Jacobs;
- Within 45 days following completion of proposed modifications, AT&T shall provide documentation that its installation complied with the recommendations of the Tower Modification Schedule; and
- Approval of any minor project changes be delegated to Council staff.

View of Balloon float from Commercial district on Meriden Avenue

Photo-simulation showing proposed tower extension from commercial district on Meriden Avenue



View of Balloon float from nearby residential area on Orchard Lane

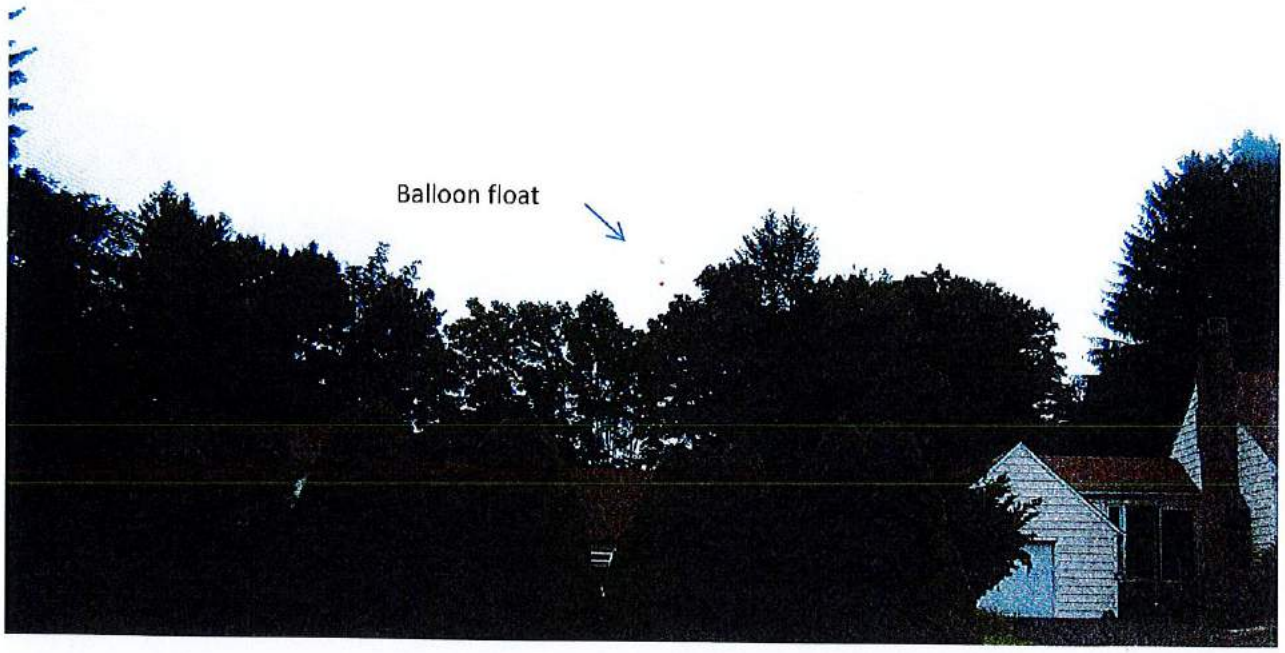
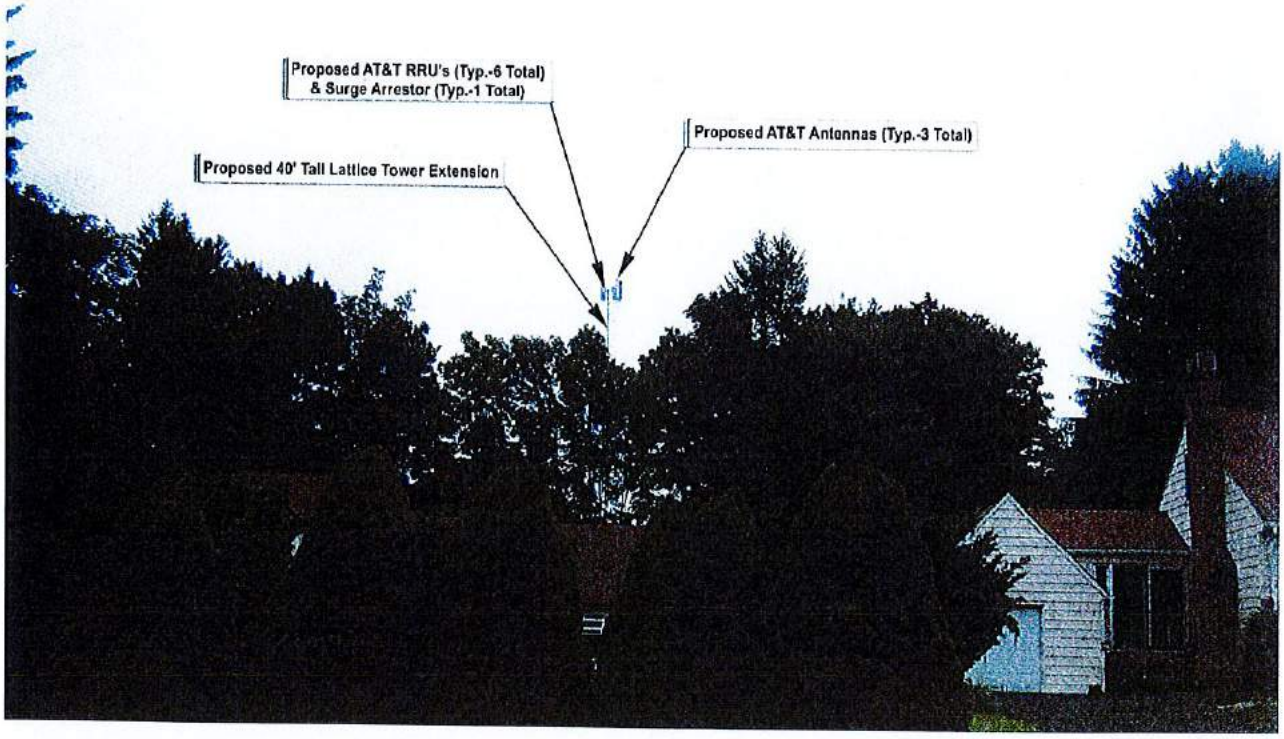


Photo-simulation showing proposed tower extension from nearby residential area on Orchard lane



View of Balloon float from the Tower Farm on West Peak

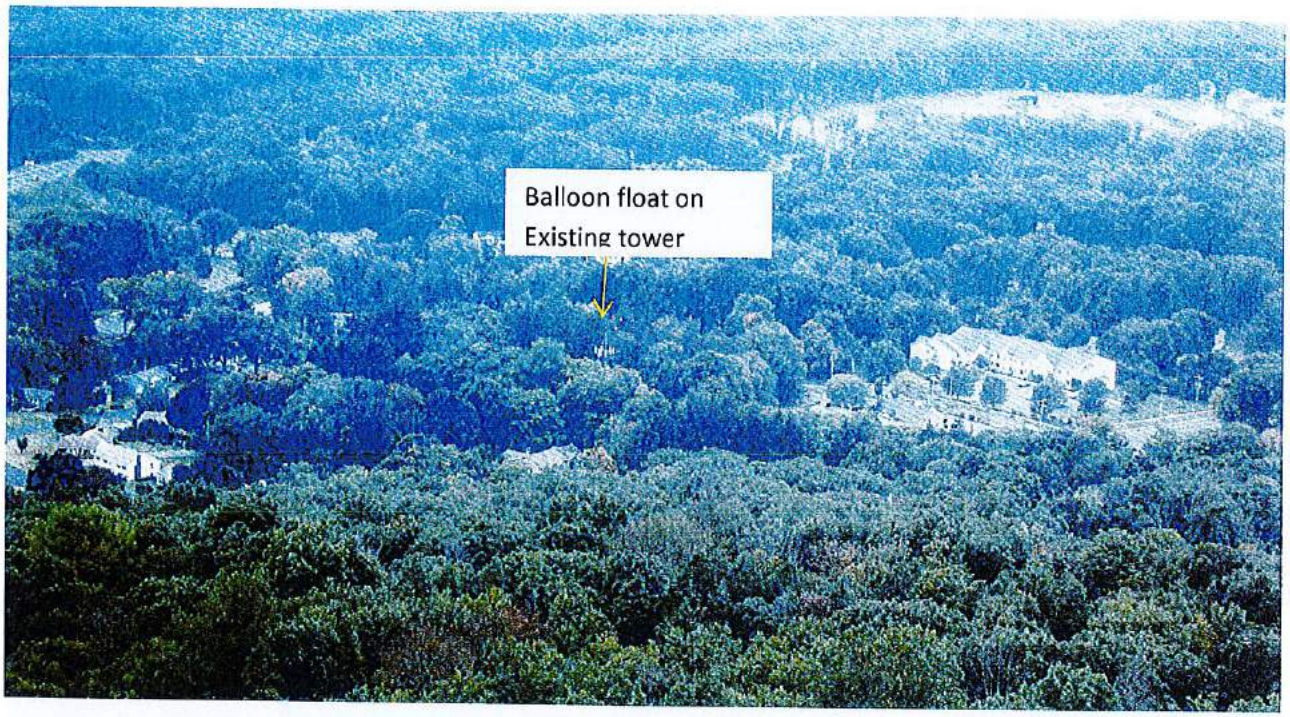
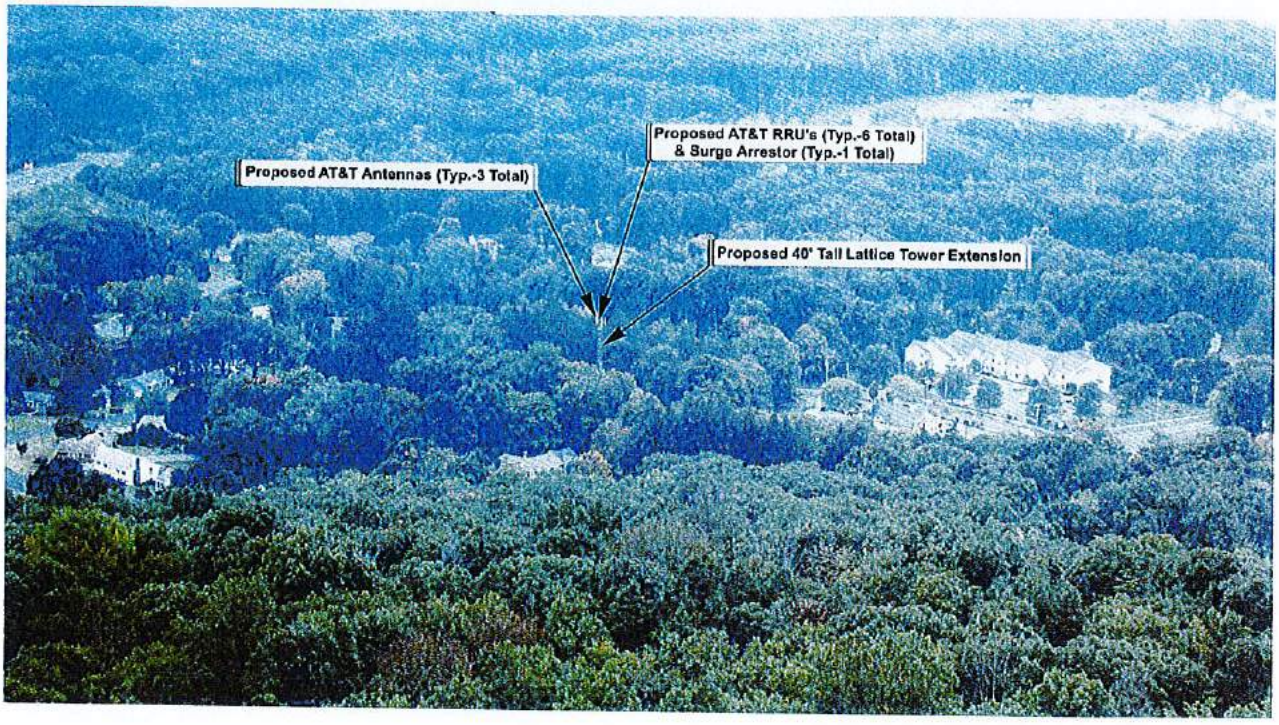


Photo-simulation showing proposed tower extension from the Tower Farm on West Peak



250 MERIDEN WATERBURY TPKE

Location	250 MERIDEN WATERBURY TPKE	**Mblu**	015/ / 080/ /
		Acct#	10848
Owner	ROGUS JOHN	**Assessment**	$350,310
Appraisal	$500,450	**PID**	398
Building Count	2		

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$173,720	$326,730	$500,450
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2020	$121,600	$228,710	$350,310

Owner of Record

Owner	ROGUS JOHN	**Sale Price**	$0
Co-Owner		**Certificate**	
Address	250 MERIDEN WATERBURY TPKE SOUTHINGTON, CT 06489	**Book & Page**	1267/0806
		Sale Date	12/28/2012
		Instrument	29

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
ROGUS JOHN	$0		1267/0806	29	12/28/2012
ROGUS JOHN JR & JAN	$0		0311/0085	29	07/10/1980

Building Information

Building 1 : Section 1

Year Built:	1936
Living Area:	1,740
Building Percent Good:	62

Building Attributes	
Field	**Description**
Style:	Retail
Model	Comm/Ind
Grade	C-
Stories:	1
Occupancy	1.00
Exterior Wall 1	Clapboard
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt / Arch Shingle
Interior Wall 1	Average
Interior Wall 2	
Interior Floor 1	Average
Interior Floor 2	
Heating Fuel	Typical
Heating Type	Unit Heater
AC Type	None
Struct Class	
Bldg Use	Multi Use - Comm
Total Bedrooms	
Total Baths	
Wet Sprinkler	0
Dry Sprinkler	0
1st Floor Use:	
Heat/AC	Heat Only
Frame Type	Wood Frame
Baths/Plumbing	None
Ceiling/Wall	Typical
Rooms/Prtns	Average
Wall Height	9.00

Building 2 : Section 1

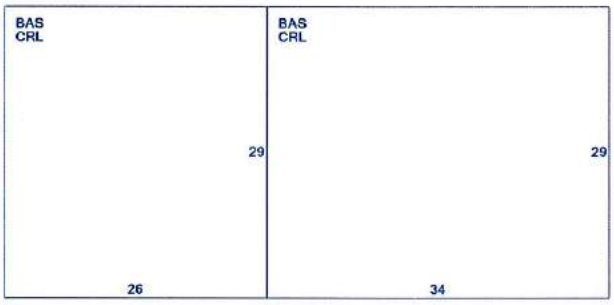
Year Built: 1936
Living Area: 1,188
Building Percent Good: 66

Building Attributes : Bldg 2 of 2	
Field	**Description**
Style	Cape
Model	Residential
Grade:	C

Building Photo

(https://images.vgsi.com/photos2/SouthingtonCTPhotos/\00\05\57\30.jpg)

Building Layout



(ParcelSketch.ashx?pid=398&bid=398)

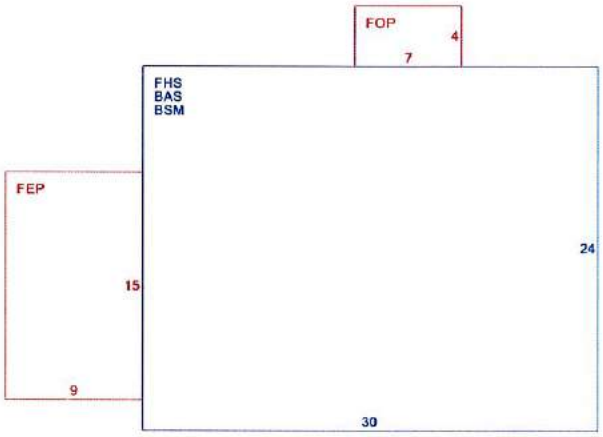
Building Sub-Areas (sq ft)			Legend
Code	**Description**	**Gross Area**	**Living Area**
BAS	First Floor	1,740	1,740
CRL	Crawl Space	1,740	0
		3,480	1,740

Stories	1.5
Occupancy	1
Exterior Wall 1	Vinyl Siding
Exterior Wall 2	
Roof Structure	Gable
Roof Cover	Asphalt / Arch Shingle
Interior Wall 1	Average
Interior Wall 2	
Interior Flr 1	Average
Interior Flr 2	
Heat Fuel	Gas
Heat Type:	Forced Hot Air
AC Type:	None
Total Bedrooms:	2
Full Bthrms:	1
Half Baths:	1
Extra Fixtures	0
Total Rooms:	5
Bath Style:	Average
Kitchen Style:	Average
Total Kitchens	1
Fireplaces	1
Whirlpool Tubs	0
Fin Bsmt Area	None
Fin Bsmt Quality	
Bsmt Garages	0
.	
Bsmt Type	Full
Attic Type	None
Cath Ceiling	No
Fndtn Cndtn	
Basement	

Building Photo

(https://images.vgsi.com/photos2/SouthingtonCTPhotos/\00\01\72\06.JPG

Building Layout



(ParcelSketch.ashx?pid=398&bid=20002)

Building Sub-Areas (sq ft)			Legend
Code	Description	Gross Area	Living Area
BAS	First Floor	720	720
FHS	Finished Half Story	720	468
BSM	Basement	720	0
FEP	Finished Enclosed Porch	135	0
FOP	Open Porch	28	0
		2,323	1,188

Extra Features

Extra Features	Legend
No Data for Extra Features	

Land

Land Use

Use Code	031
Description	Multi Use - Comm
Zone	B
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	1.22
Depth	

Outbuildings

Outbuildings					Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Bldg #**
PAV1	Paving	AS	Asphalt	2625.00 S.F.	1
FGR1	Garage			520.00 S.F.	1
SHD1	Shed	FR	Frame	462.00 S.F.	1
SHD1	Shed	FR	Frame	414.00 S.F.	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$173,720	$326,730	$500,450
2021	$173,720	$326,730	$500,450
2020	$173,720	$326,730	$500,450
2019	$165,770	$136,600	$302,370
2018	$165,770	$136,600	$302,370

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$121,600	$228,710	$350,310
2021	$121,600	$228,710	$350,310
2020	$121,600	$228,710	$350,310
2019	$116,040	$95,620	$211,660
2018	$116,040	$95,620	$211,660

Google Maps 250 Meriden-Waterbury Turnpike

Imagery ©2023 Maxar Technologies, U.S. Geological Survey, Map data ©2023 Google 50 ft

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

Site Name:	SOUTHINGTON ROGUS
AT&T Mobility FA#	10035233
Crown Castle Site#	841298
Site ID:	CT1033
Project Name:	5G NR 1SR CBAND
Address:	250 MERIDEN WATERBURY TURNPIKE, SOUTHINGTON, CT 06489
County:	HARTFORD
Latitude:	41.5567981
Longitude:	-72.8529989
Structure Type:	SELF SUPPORT
Property Owner:	ROGUS JOHN
Property Contact:	VERONICA CHAPMAN

AT&T Existing Facility

Report Information

Report Writer: Monti Kumar **Report Generated Date:** 05-23-2023

Site Compliance Statement

Compliance Status	Compliant
Cumulative General Population % MPE (Ground Level)	0.8601%

May 23, 2023

Emissions Analysis for Site: **CT1033– SOUTHINGTON ROGUS**

MobileComm Professionals, Inc was directed to analyze the proposed AT&T facility located at **250 MERIDEN WATERBURY TURNPIKE, SOUTHINGTON, CT 06489**, for the purpose of determining whether the emissions from the Proposed AT&T Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of milliwatts per square centimeter (mW/cm^2) or microwatts per square centimeter (µW/cm2). The number of mW/cm^2 or µW/cm2 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 public 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 public 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 milliwatts per square centimeter (mW/cm^2). The general population exposure limits for the 700 and 850 MHz Bands are approximately 0.467 mW/cm^2 and 0.567 mW/cm^2 respectively or 466.667 µW/cm2 and 566.667 µW/cm2 respectively. The general population exposure limit for the 1900 MHz (PCS), 2100 MHz (AWS), 2300 MHz (WCS), 3540 MHz (DoD Band) and 3840 MHz (C-Band) bands is 1 mW/cm^2 or 1000 µW/cm2. 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.

1. Theoretical Calculations: Methods and Procedures

MobileComm Professionals, Inc has performed theoretical modeling of the site using a software tool, RoofMaster® Version 40.12.23.2022, which incorporates calculation methodologies detailed in FCC OET 65. RoofMaster® uses a cylindrical model for conservative power density predictions within the near field of the antenna where the antenna pattern has not truly formed yet. Within this area power density values tend to decrease based upon an inverse distance function. At the point where it is appropriate for modeling to change from near-field calculations to far-field calculations, the power decreases inversely with the square of the distance. The modeling is based on worst-case assumptions in terms of transmitter power and duty cycle. No losses were included in the power calculations unless they were specifically provided for the project.

In OET 65, a far field model is presented to calculate the spatial peak power density. The RoofMaster® implementation of this model incorporates antenna manufacturer's horizontal and vertical pattern data to determine the power density in all directions. This model yields the power density at a single point in space. In order to determine the spatial power density for comparison to the FCC limits, the average of several points calculated within the human profile (0-6') must be conducted. RoofMaster® calculates seven power density values between 0-6' above the specified study plane and performs a linear spatial average.

The following table details the antennas and operating parameters for the AT&T antenna system as well as any other antenna systems at the site. This is based on antenna information provided by the client and data compiled from other sources where necessary. The data below was input into Roofmaster® to perform the theoretical exposure calculations at the ground.

The theoretical calculations performed in Roofmaster® determine the cumulative exposure at all sample points at ground level (0-6' spatial average). The results from highest cumulative sample point at ground level surrounding the site are displayed in the table below. The contribution from directional antennas to the maximum cumulative totals varies greatly depending on location; therefore, the contribution from one antenna sector at the highest calculated exposure point may be greater or less than other sectors since sectorized directional antennas are pointed in different directions and there is not much overlapping exposure.

The contribution to the cumulative power density and % MPE for each antenna/frequency band is listed in the table. The cumulative power density and cumulative % MPE are displayed at the bottom of the table.

2. Antenna Inventory & Power Data

Sector	Ant ID	Operator	Antenna Mfg	Antenna Model	Antenna Type	FREQ. (MHz)	TECH.	AZ. (^{0})	HBW (^{0})	Antenna Gain (dBd)	Antenna Aperture (ft)	#of Channels	Transmitter Power Per Channel (Watts)	Total ERP (Watts)	Total EIRP (Watts)	Height (ft)	Calculated Power Density ($\mu W/cm^2$)	Allowable MPE ($\mu W/cm^2$)	Calculated MPE%
A	1	AT&T	CCI	TPA65R-BU8D	Panel	700	LTE(B12)	0	73	13.45	8	4	40.00	3155.88	5177.50	120.00	0.000260	466.67	0.000056
A	1	AT&T	CCI	TPA65R-BU8D	Panel	850	5G	0	64	14.25	8	4	40.00	3794.20	6224.72	120.00	0.000004	566.67	0.000001
A	1	AT&T	CCI	TPA65R-BU8D	Panel	1900	LTE/5G	0	66	15.95	8	4	40.00	5612.03	9207.04	120.00	0.000028	1000.00	0.000003
A	1	AT&T	CCI	TPA65R-BU8D	Panel	2100	LTE/5G	0	66	16.15	8	4	40.00	5876.52	9640.95	120.00	0.000032	1000.00	0.000003
A	2	AT&T	Commscope	NNHHS4-65C-R5	Panel	700	LTE(FN)	0	72	13.35	8	4	40.00	3084.04	5059.64	110.00	0.000512	466.67	0.000110
A	2	AT&T	Commscope	NNHHS4-65C-R5	Panel	3840	5G	0	24	19.45	8	8	40.00	25127.54	41223.99	110.00	0.000612	1000.00	0.000061
B	3	AT&T	CCI	TPA65R-BU8D	Panel	700	LTE(B12)	140	73	13.45	8	4	40.00	3155.88	5177.50	120.00	0.000037	466.67	0.000008
B	3	AT&T	CCI	TPA65R-BU8D	Panel	850	5G	140	64	14.25	8	4	40.00	3794.20	6224.72	120.00	0.000036	566.67	0.000006
B	3	AT&T	CCI	TPA65R-BU8D	Panel	1900	LTE/5G	140	66	15.95	8	4	40.00	5612.03	9207.04	120.00	0.000002	1000.00	0.000000
B	3	AT&T	CCI	TPA65R-BU8D	Panel	2100	LTE/5G	140	66	16.15	8	4	40.00	5876.52	9640.95	120.00	0.000012	1000.00	0.000001
B	4	AT&T	Commscope	NNHHS4-65C-R5	Panel	700	LTE(FN)	140	72	13.35	8	4	40.00	3084.04	5059.64	110.00	0.007050	466.67	0.001511
B	4	AT&T	Commscope	NNHHS4-65C-R5	Panel	3840	5G	140	24	19.45	8	8	40.00	25127.54	41223.99	110.00	0.008193	1000.00	0.000819
C	5	AT&T	CCI	TPA65R-BU8D	Panel	700	LTE(B12)	260	73	13.45	8	4	40.00	3155.88	5177.50	120.00	0.000045	466.67	0.000010
C	5	AT&T	CCI	TPA65R-BU8D	Panel	850	5G	260	64	14.25	8	4	40.00	3794.20	6224.72	120.00	0.000028	566.67	0.000005
C	5	AT&T	CCI	TPA65R-BU8D	Panel	1900	LTE/5G	260	66	15.95	8	4	40.00	5612.03	9207.04	120.00	0.000031	1000.00	0.000003
C	5	AT&T	CCI	TPA65R-BU8D	Panel	2100	LTE/5G	260	66	16.15	8	4	40.00	5876.52	9640.95	120.00	0.000006	1000.00	0.000001
C	6	AT&T	Commscope	NNHHS4-65C-R5	Panel	700	LTE(FN)	260	72	13.35	8	4	40.00	3084.04	5059.64	110.00	0.000745	466.67	0.000160
C	6	AT&T	Commscope	NNHHS4-65C-R5	Panel	3840	5G	260	24	19.45	8	8	40.00	25127.54	41223.99	110.00	0.000029	1000.00	0.000003
A	7	Verizon	CommScope	NHH-65B-R2B	Panel	700	LTE	350	65	12.75	6	2	40.00	1343.04	2203.38	60.00	0.232820	466.67	0.049890
A	7	Verizon	CommScope	NHH-65B-R2B	Panel	850	LTE	350	60	12.85	6	2	40.00	1374.33	2254.71	60.00	0.231759	566.67	0.040899
A	7	Verizon	CommScope	NHH-65B-R2B	Panel	1900	LTE	350	69	15.75	6	4	40.00	5359.45	8792.65	60.00	0.425834	1000.00	0.042583
A	8	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	700	LTE	350	65	12.65	6	2	40.00	1312.47	2153.23	60.00	0.154175	466.67	0.033037
A	8	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	850	LTE	350	62	13.05	6	2	40.00	1439.10	2360.97	60.00	0.149014	566.67	0.026297
A	8	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	2100	LTE	350	64	15.85	6	4	40.00	5484.28	8997.46	60.00	0.328160	1000.00	0.032816
A	8	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	3500	LTE	350	54	15.55	6	4	5.00	639.78	1049.61	60.00	0.032807	1000.00	0.003281
A	9	Verizon	Samsung	MT6407-77A	Panel	3700	5G	350	17	22.85	2.93	4	35.00	24050.72	39457.36	60.00	2.428780	1000.00	0.242878
B	10	Verizon	CommScope	NHH-65B-R2B	Panel	700	LTE	120	65	12.75	6	2	40.00	1343.04	2203.38	60.00	0.182366	466.67	0.039079
B	10	Verizon	CommScope	NHH-65B-R2B	Panel	850	LTE	120	60	12.85	6	2	40.00	1374.33	2254.71	60.00	0.168729	566.67	0.029776
B	10	Verizon	CommScope	NHH-65B-R2B	Panel	1900	LTE	120	69	15.75	6	4	40.00	5359.45	8792.65	60.00	0.356679	1000.00	0.035668
B	11	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	700	LTE	120	65	12.65	6	2	40.00	1312.47	2153.23	60.00	0.042265	466.67	0.009057
B	11	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	850	LTE	120	62	13.05	6	2	40.00	1439.10	2360.97	60.00	0.036914	566.67	0.006514
B	11	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	2100	LTE	120	64	15.85	6	4	40.00	5484.28	8997.46	60.00	0.074733	1000.00	0.007473
B	11	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	3500	LTE	120	54	15.55	6	4	5.00	639.78	1049.61	60.00	0.011053	1000.00	0.001105
B	12	Verizon	Samsung	MT6407-77A	Panel	3700	5G	120	17	22.85	2.93	4	35.00	24050.72	39457.36	60.00	2.411918	1000.00	0.241192

Table 2.1: Antenna Inventory & Power Data

**NOTE: 75% Duty Cycle and adjusted power reduction factor of 0.32 was applied to the AIR6449 & AIR6449 antennas per guidance from AT&T. Specifications were not available for the Ericsson AIR 6449 antenna. Per AT&T, specifications for the AIR 6449 antenna were used to model the 6449 due to its similarity.*

Sector	Ant ID	Operator	Antenna Mfg	Antenna Model	Antenna Type	FREQ. (MHz)	TECH.	AZ. (^{0})	H B W (^{0})	Antenna Gain (dBd)	Antenna Aperture (ft)	#of Channels	Transmitter Power Per Channel (Watts)	Total ERP (Watts)	Total EIRP (Watts)	Height (ft)	Calculated Power Density ($\mu W/cm^2$)	Allowable MPE ($\mu W/cm^2$)	Calculated MPE%
C	13	Verizon	CommScope	NHH-65B-R2B	Panel	700	LTE	240	65	12.75	6	2	40.00	1343.04	2203.38	60.00	0.000274	466.67	0.000059
C	13	Verizon	CommScope	NHH-65B-R2B	Panel	850	LTE	240	60	12.85	6	2	40.00	1374.33	2254.71	60.00	0.000056	566.67	0.000010
C	13	Verizon	CommScope	NHH-65B-R2B	Panel	1900	LTE	240	69	15.75	6	4	40.00	5359.45	8792.65	60.00	0.000338	1000.00	0.000034
C	14	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	700	LTE	240	65	12.65	6	2	40.00	1312.47	2153.23	60.00	0.006641	466.67	0.001423
C	14	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	850	LTE	240	62	13.05	6	2	40.00	1439.10	2360.97	60.00	0.003330	566.67	0.000588
C	14	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	2100	LTE	240	64	15.85	6	4	40.00	5484.28	8997.46	60.00	0.008526	1000.00	0.000853
C	14	Verizon	CommScope	NHHSS-65B-R2BT4	Panel	3500	LTE	240	54	15.55	6	4	5.00	639.78	1049.61	60.00	0.000676	1000.00	0.000068
C	15	Verizon	Samsung	MT6407-77A	Panel	3700	5G	240	17	22.85	2.93	4	35.00	24050.72	39457.36	60.00	0.002355	1000.00	0.000236
A	16	Dish	JMA Wireless	MX08FRO665-21	Panel	600	5G	10	68	11.45	6	4	30.00	1493.42	2450.09	100.00	0.000022	400.00	0.000005
A	16	Dish	JMA Wireless	MX08FRO665-21	Panel	1900	5G	10	62	16.15	6	4	40.00	5876.52	9640.95	100.00	0.000164	1000.00	0.000016
B	17	Dish	JMA Wireless	MX08FRO665-21	Panel	600	5G	120	68	11.45	6	4	30.00	1493.42	2450.09	100.00	0.000005	400.00	0.000001
B	17	Dish	JMA Wireless	MX08FRO665-21	Panel	1900	5G	120	62	16.15	6	4	40.00	5876.52	9640.95	100.00	0.000051	1000.00	0.000005
C	18	Dish	JMA Wireless	MX08FRO665-21	Panel	600	5G	240	68	11.45	6	4	30.00	1493.42	2450.09	100.00	0.000030	400.00	0.000007
C	18	Dish	JMA Wireless	MX08FRO665-21	Panel	1900	5G	240	62	16.15	6	4	40.00	5876.52	9640.95	100.00	0.000040	1000.00	0.000004
A	19	Other Carrier	Pctel	MFB9157	Omni	850	LTE	360	360	7	8	1	60.00	268.01	439.69	124.00	0.003772	566.67	0.000666
A	20	Other Carrier	Scala	OGB6-900	Omni	850	LTE	360	360	5.85	6	1	60.00	205.66	337.40	123.00	0.005349	566.67	0.000944
A	21	Other Carrier	RFS Celwave	BA1012-0	Omni	150	LTE	360	360	2.71	4	1	60.00	99.80	163.74	122.00	0.003668	566.67	0.000647
A	22	Other Carrier	Unknown	OGD6-905/945	Omni	850	LTE	360	360	8.96	12	1	60.00	420.87	690.48	66.00	0.013009	566.67	0.002296
A	23	Other Carrier	RFS Celwave	BA1012-0	Omni	150	LTE	360	360	2.71	4	1	60.00	99.80	163.74	62.00	0.011742	566.67	0.002072
A	24	Other Carrier	Scala	OGD6-905/945	Omni	850	LTE	360	360	8.96	12	1	60.00	420.87	690.48	60.00	0.014690	566.67	0.002592
A	25	Other Carrier	Scala	OGB9-900-DT3	Omni	850	LTE	360	360	8.96	12	1	60.00	420.87	690.48	56.00	0.018965	566.67	0.003347
																Calculated Power Density ($\mu W/cm^2$)	**7.379371%**	**Calculated MPE%**	**0.8601%**

Table 2.2: Antenna Inventory & Power Data

**NOTE: 75% Duty Cycle and adjusted power reduction factor of 0.32 was applied to the AIR6449 & AIR6449 antennas per guidance from AT&T. Specifications were not available for the Ericsson AIR 6449 antenna. Per AT&T, specifications for the AIR 6449 antenna were used to model the 6449 due to its similarity.*

3. Compliance Summary

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

The anticipated composite MPE value for this site assuming all carriers present is 0.8601% of the allowable FCC established general public limit sampled at the ground level.

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 within the allowable 100% threshold standard per the federal government.

Date: **May 11, 2023**

POD Group
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Subject:	**Mount Analysis Report**	
Carrier Designation:	**AT&T Mobility**	
	Carrier Site Number:	**CT1033**
	Carrier Site Name:	**SOUTHINGTON ROGUS**
	FA Number:	**10035233**
Crown Castle Designation:	**Crown Castle BU Number:**	**841298**
	Crown Castle Site Name:	**SOUTHINGTON ROGUS**
	Crown Castle JDE Job Number:	**686233**
	Crown Castle Order Number:	**586244 Rev.6**
Engineering Firm Designation:	**POD Report Designation:**	**23-155055**
Site Data:	**250 Meriden Waterbury Turnpike, Southington, Hartford County, CT 06489 Latitude 41° 33' 24.54" Longitude -72° 51' 10.84"**	
Structure Information:	**Tower Height & Type:**	**120 ft Self Support**
	Mount Elevation:	**118 ft & 110 ft**
	Mount Type:	**2.5 ft Side Arm**

POD Group is pleased to submit this "Mount Analysis Report" to determine the structural integrity of AT&T Mobility'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:

2.5 ft Side Arm at 118 ft (Individual Sector) — Sufficient*
2.5 ft Side Arm at 110 ft (Individual Sector) — Sufficient
***See Section 4.1 of this report for the loading and structural modifications required in order for the mount to support the loading listed in Table 1.**

This analysis has been performed in accordance with the 2022 Connecticut State Building Code based upon an ultimate 3-second gust wind speed of 118 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Mount structural analysis prepared by: Matthew Maloney
Respectfully submitted by:

5/11/23

Jason Cheronis, PE
Connecticut PE#: 0032793

TABLE OF CONTENTS

1) INTRODUCTION

These are existing 3-sector 2.5 ft side-arm mounts designed by SitePro1 (P/N: USF-2U, CONMAT #: ANT.55114) at the 118 ft & 110 ft elevation.

The mounts have been modified per a conditional passing mount analysis by POD in May of 2020 and recent photos of the mounts. Reinforcement consists of tieback members.

2) ANALYSIS CRITERIA

Building Code:	2021 IBC & 2022 CSBC
TIA-222 Revision:	TIA-222-H
Risk Category:	II
Ultimate Wind Speed:	118 mph
Exposure Category:	B
Topographic Factor at Base:	1.000
Topographic Factor at Mount:	1.000
Ice Thickness:	1.00 in
Wind Speed with Ice:	50 mph
Seismic S_s:	0.200
Seismic S_1:	0.055
Live Loading Wind Speed:	30 mph
Man Live Load at Mid/End-Points[1]:	0 lb
Man Live Load at Mount Pipes[1]:	0 lb

Notes:
1) The mount was designated a Side Arm Mount, therefore Live Load was not considered per TIA-222-H, Section 16.4.2

Table 1 - Proposed Equipment Configuration

Mount Centerline (ft)	Antenna Centerline (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Mount / Modification Details	Note
118	120	3	CCI ANTENNAS	TPA65R-BU8DA-K	2.5 ft Side Arm (SitePro1 USF-2U)	-
		3	ERICSSON	RRUS 4449 B5/B12		
		3	ERICSSON	RRUS 8843 B2/B66A		
		1	RAYCAP	DC6-48-60-18-8F		
110	110	3	COMMSCOPE	NNHHS4-65C-R5-V2	2.5 ft Side Arm (SitePro1 USF-2U)	
		3	ERICSSON	RRUS 4478 B14_CCIV2		
		3	ERICSSON	8863 B77D		
		1	RAYCAP	DC6-48-60-18-8F		

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Reference	Source
Crown Application	-	Crown Castle App #: 586244 Rev.6 Dated: 07/25/2022	Crown Castle
Structural Analysis	-	B+T Group Report #: 164844.002.01.0002 Dated: 01/13/2023	Crown Castle
Previous Mount Analysis	-	POD Project #: 23-154925 Dated: 04/19/2023	POD
Mount Specification Sheets	-	SitePro1 Part #: USF-2U Dated: 02/16/2011	SitePro1
Mount Specification Sheets	-	SitePro1 Part #: SCP10W Dated: 02/1y/2013	SitePro1
Mount Modification Design Drawings	-	POD Project #: 23-155055 Dated: 04/27/2023	POD

3.1) Analysis Method

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

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

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

3.2) Assumptions

1) The antenna mounting system was properly fabricated, installed, and maintained in good condition in accordance with its original design, TIA Standards, and/or manufacturer's specifications. 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 used as follows, unless noted otherwise:
    a. Channel, Plate, Threaded Rods at 118 ft — ASTM A36 (GR 36)
    b. HSS (Rectangular) — ASTM A500 (GR B-46)
    c. Pipe — ASTM A53 (GR 35)
    d. Connection Bolts — ASTM A325
    e. Threaded Rods at 110 ft — SAE J429 (GR 2, 57 ksi Yield Strength)

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 (2.5 ft Side Arm, 118 ft)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
1	Mount Pipe	MP ALPHA1	118	73.2	Pass
	Connection	CONNECTION1 ALPHA		37.0	Pass
	Plate	SO PLATE4 ALPHA		29.8	Pass
	Standoff	SO2 ALPHA		19.8	Pass
	Vertical	SO VERT1 ALPHA		19.6	Pass
	Support	SUPP GAMMA		15.6	Pass
1, 2	Tieback	TIEBACK ALPHA		45.0	Pass
1	Bolts	-		22.8	Pass

Structure Rating (max from all components) =	**73.2%**

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 (118 ft)

Sector	Tower Connection Node No.	Existing / Proposed	Resultant End Reaction (lb)	Connected Member Type	Connected Member Size	Member Compressive Capacity (lb)[2]	Notes
A	N37A	Existing	1189	Leg	1 1/2	2645	1
B	N85		889				
C	N133		893				

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*

Table 5 - Mount Component Stresses vs. Capacity (2.5 ft Side Arm, 110 ft)

Notes	Component	Critical Member	Centerline (ft)	% Capacity	Pass / Fail
1	Threaded Rod	SR2 BETA	110	72.9	Pass
	Standoff	SO2 ALPHA		13.0	Pass
	Plate	SO PLATE4 ALPHA		13.8	Pass
	Mount Pipe	MP ALPHA1		19.9	Pass
	Connection	CONNECTION2 ALPHA		18.5	Pass
	Vertical	SO VERT1 ALPHA		23.0	Pass
1, 2	Tieback	TIEBACK ALPHA		32.6	Pass
1	Bolts	-		9.4	Pass

Structure Rating (max from all components) =	72.9%

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

Table 6 - Tieback Connection Data Table (110 ft)

Sector	Tower Connection Node No.	Existing / Proposed	Resultant End Reaction (lb)	Connected Member Type	Connected Member Size	Member Compressive Capacity (lb)[2]	Notes
A	N37A	Existing	863	Leg	1 1/2	2645	1
B	N85		650				
C	N133		672				

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 2.5 ft side arm at 118 ft has sufficient capacity to carry the proposed loading configuration. In order for the results of the analysis to be considered valid, the structural modifications listed below must be completed.

1. Replace Threaded rod pipe to pipe clamps with Commscope pipe to pipe clamps (P/N: ASPA320, CONMAT #: ANT.13226, 2 per sector, total of 6)

Engineering detail drawings have been provided in Appendix I – Mount Modification Design Drawings. Connection from the mount to the tower and local stresses on the tower are sufficient..

The 2.5 ft side arm at 110 ft has sufficient capacity to carry the proposed loading configuration. No modifications are required at this time.

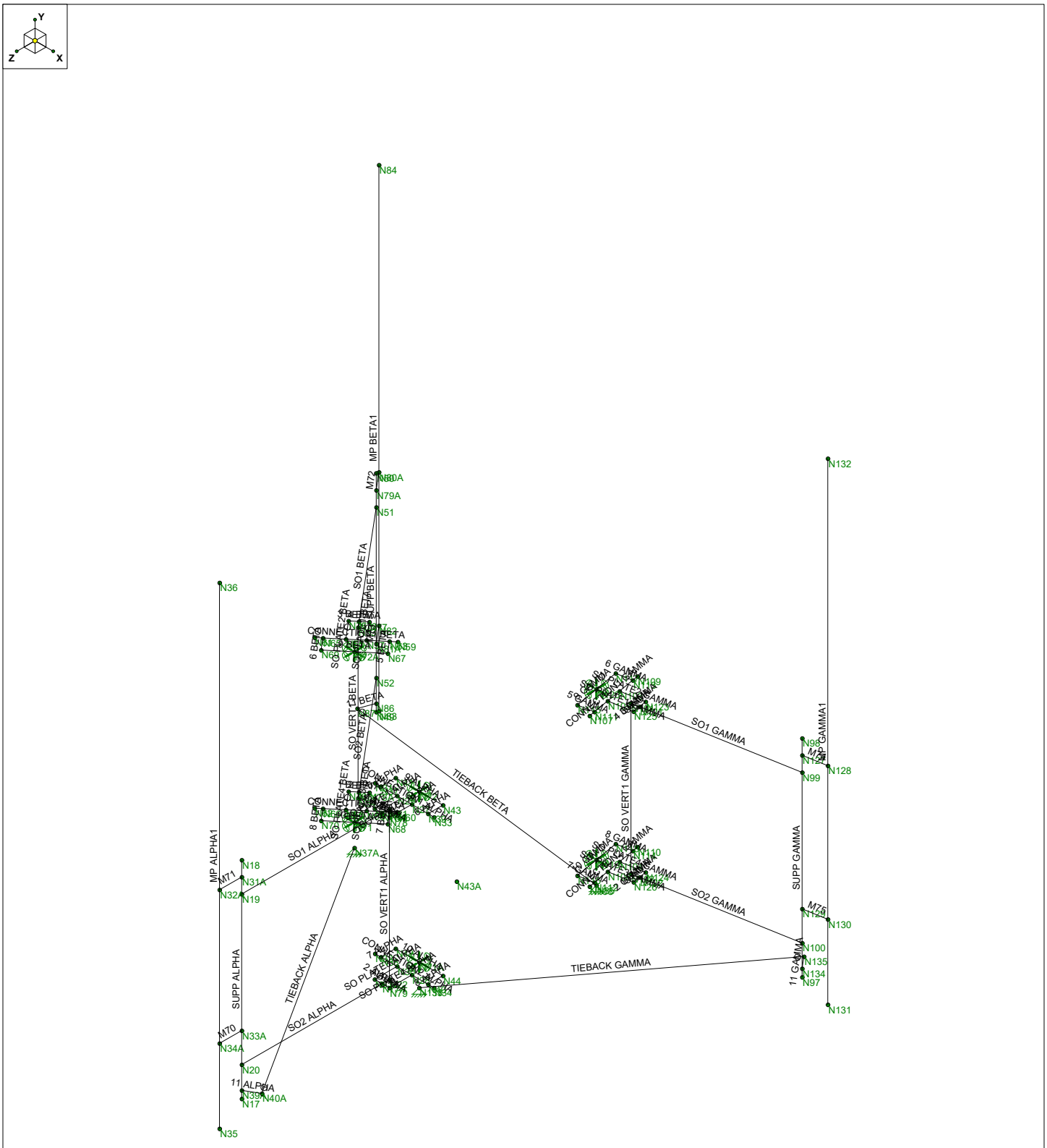
Table 5 – AT&T Mount Classification

Notes	Classification
1,2,3	M1000R4300-1(0)

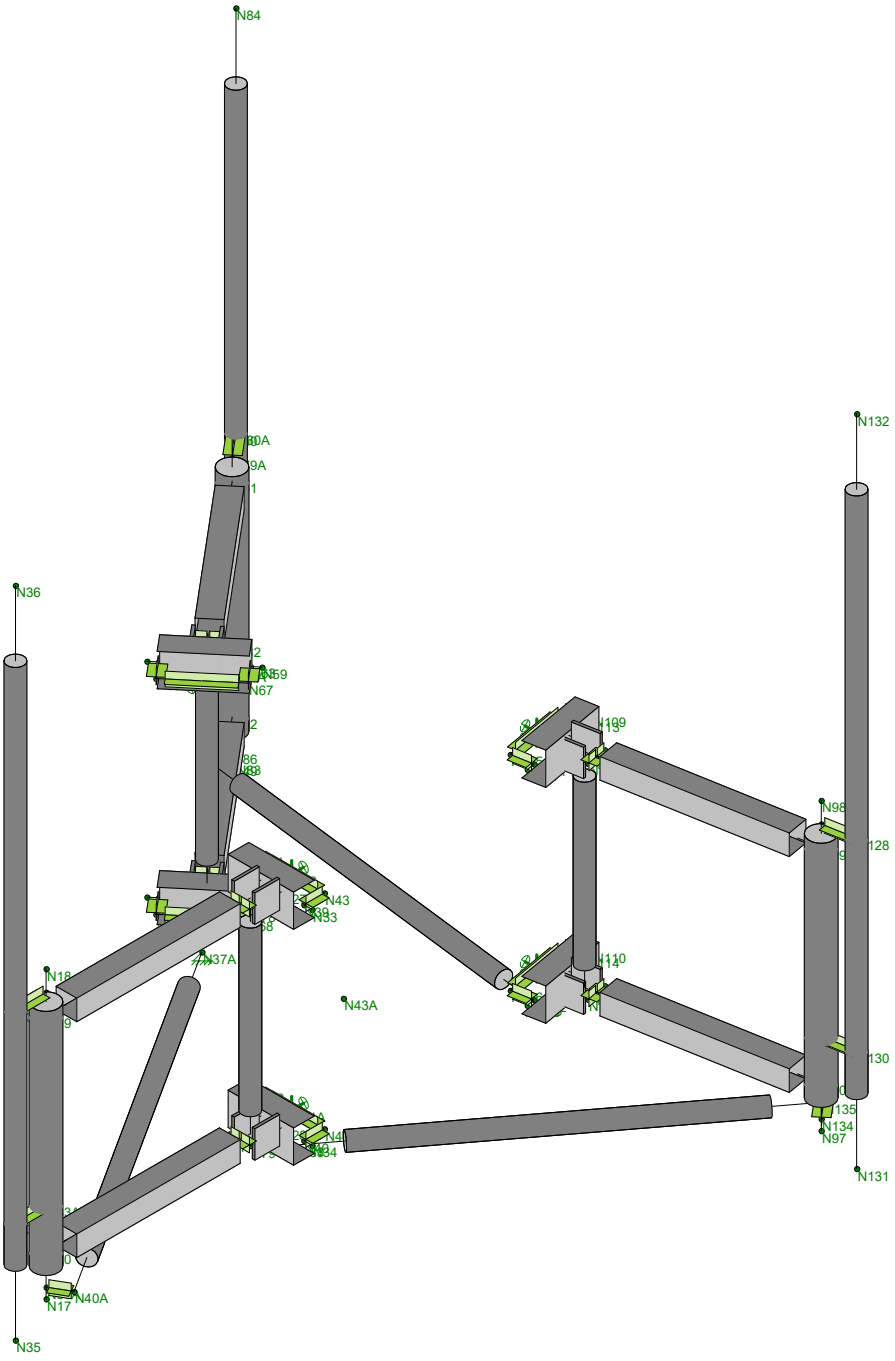
Notes:
1) Classification is based upon analysis design criteria as specified above.
2) Classification is based upon equal distribution of loads across the face.
3) This analysis is certifying the mount for the specified loads in the loading tables and the rating the mount at the specified load classification. Any variation from the loading scenarios/classifications specified shall be verified adequately through a new structural analysis and is beyond the scope of this report.

APPENDIX A

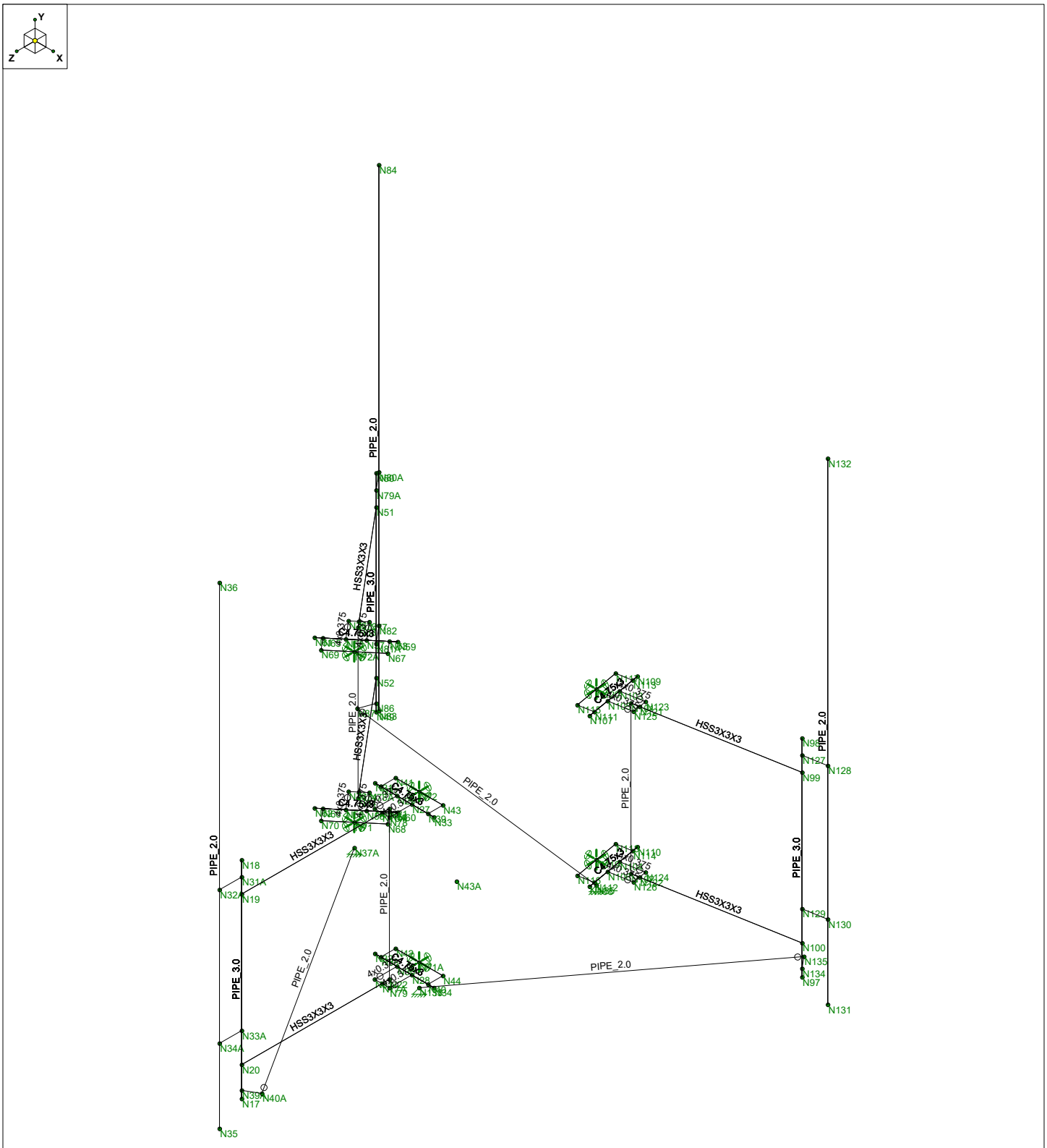
Wire Frame and Rendered Models (118 ft)



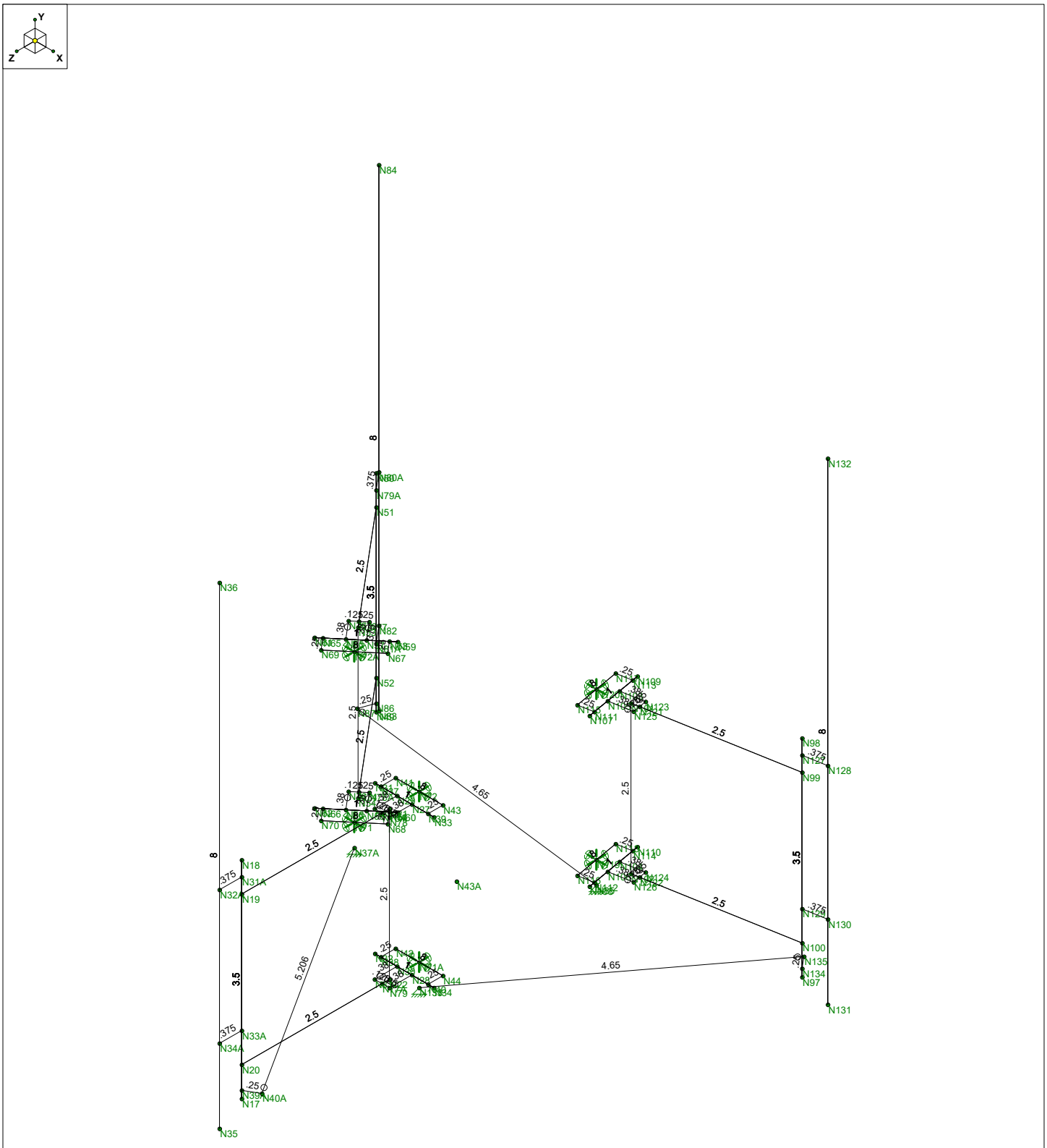
POD	841298	SK - 1
MMM		Apr 21, 2023 at 3:44 PM
23-155055		841298 118 ft - Loads.r3d



POD	841298	SK - 2
MMM		Apr 21, 2023 at 3:45 PM
23-155055		841298 118 ft - Loads.r3d

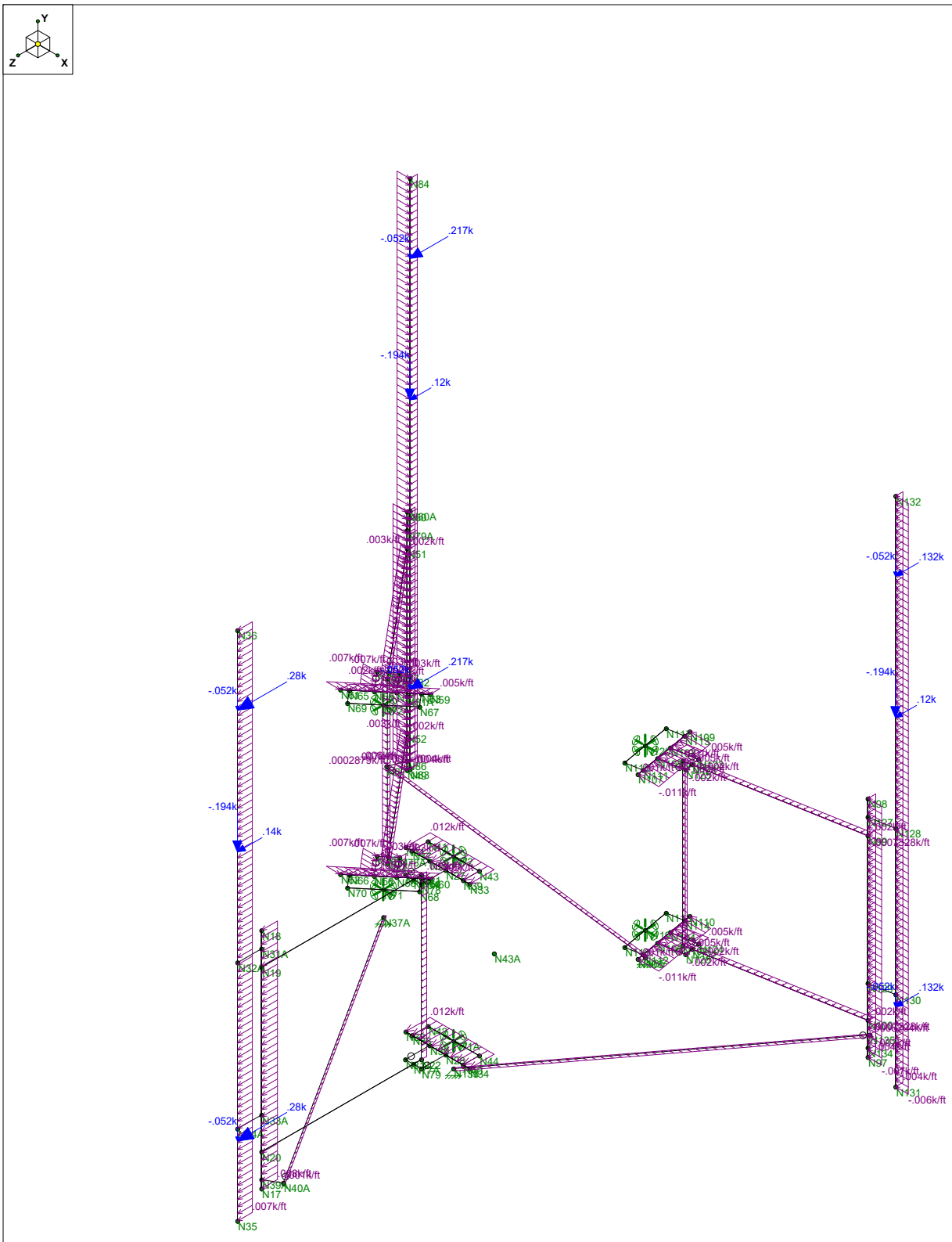


POD	841298	SK - 3
MMM		Apr 21, 2023 at 3:45 PM
23-155055		841298 118 ft - Loads.r3d



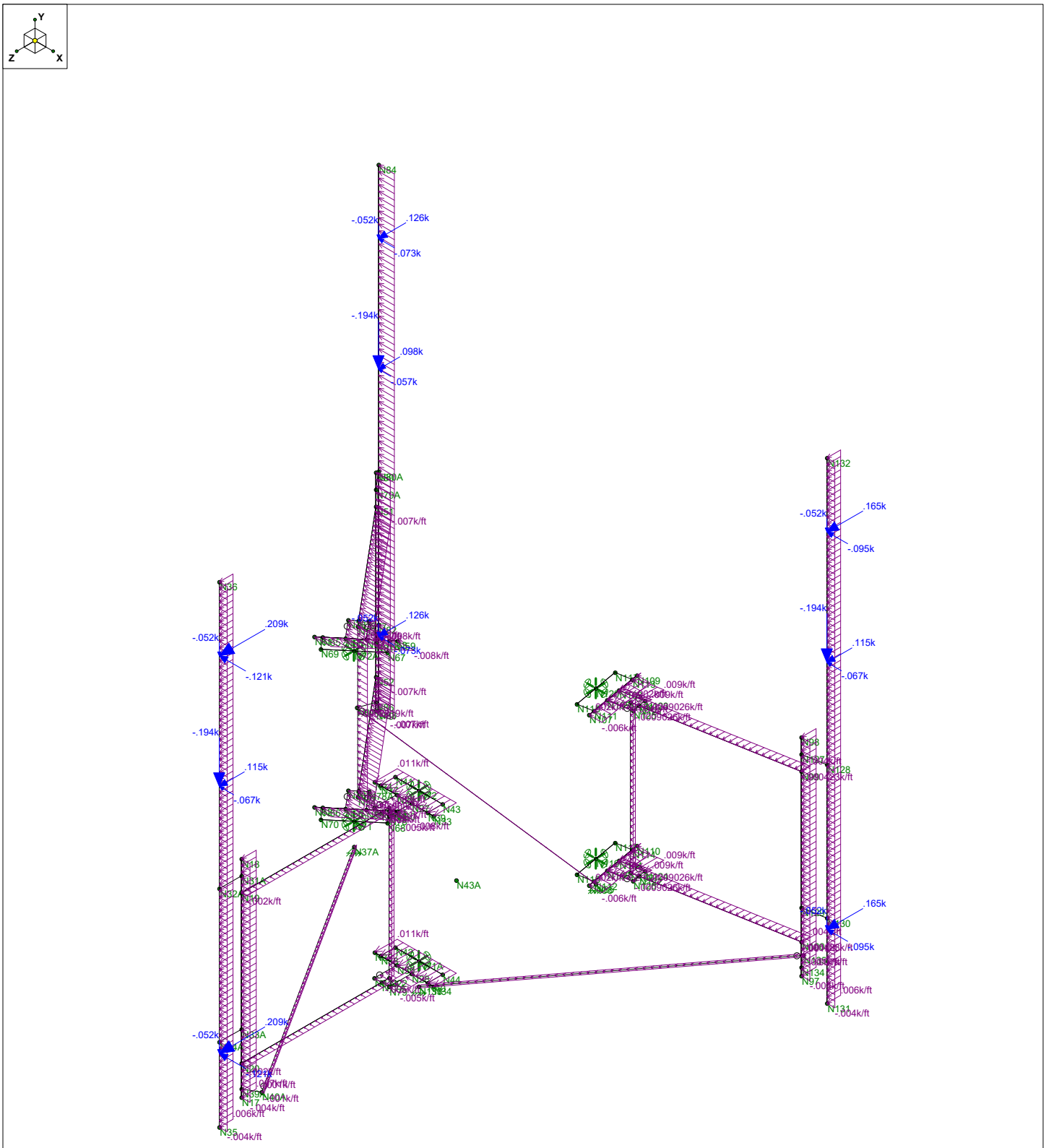
Member Length (ft) Displayed

POD	841298	SK - 4
MMM		Apr 21, 2023 at 3:47 PM
23-155055		841298 118 ft - Loads.r3d



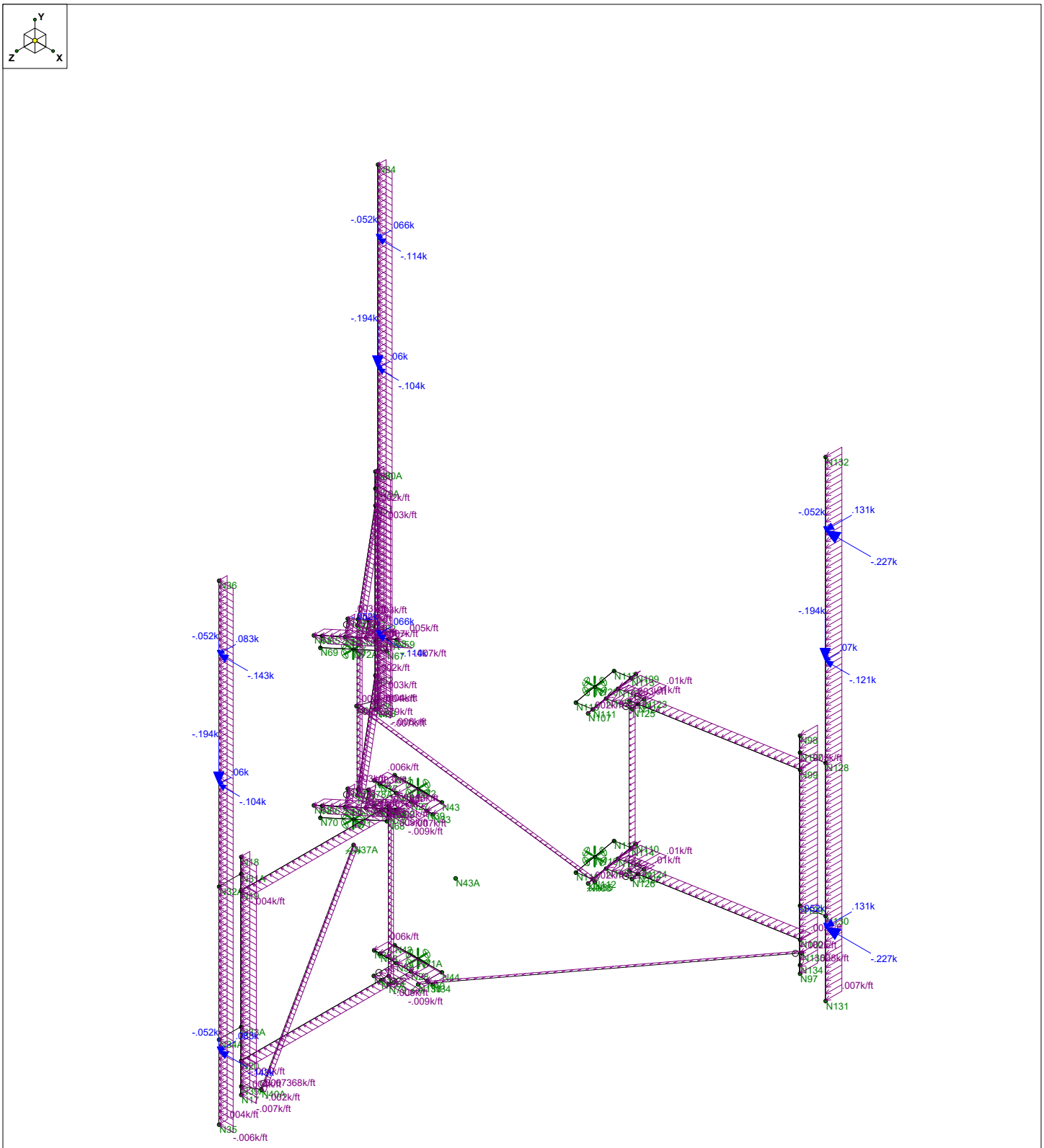
Loads: LC 2, 1.2D + 1.0W(0)

POD	841298	SK - 5
MMM		Apr 21, 2023 at 3:47 PM
23-155055		841298 118 ft - Loads.r3d



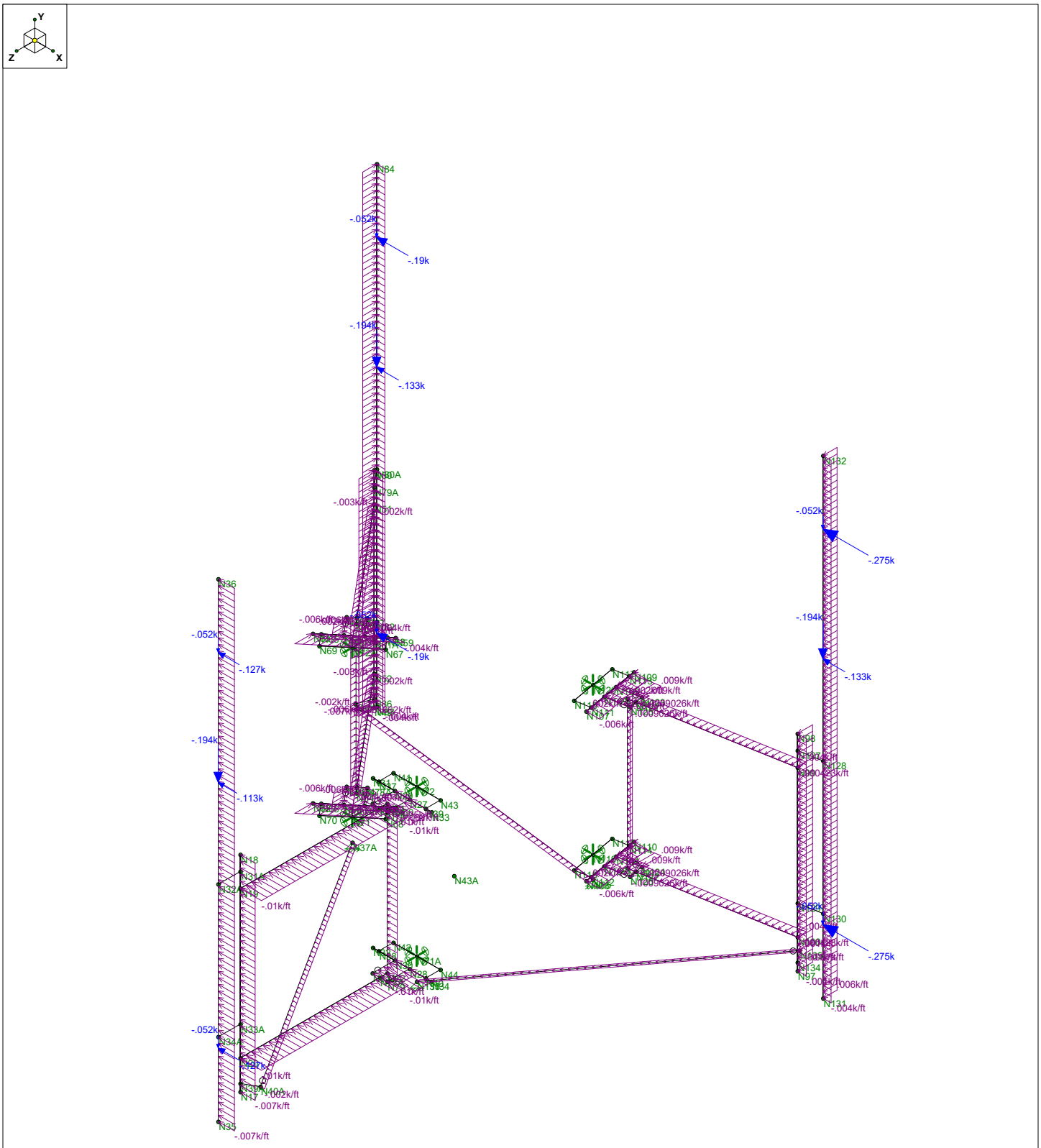
Loads: LC 5, 1.2D + 1.0W(30)

POD	841298	SK - 6
MMM		Apr 21, 2023 at 3:47 PM
23-155055		841298 118 ft - Loads.r3d



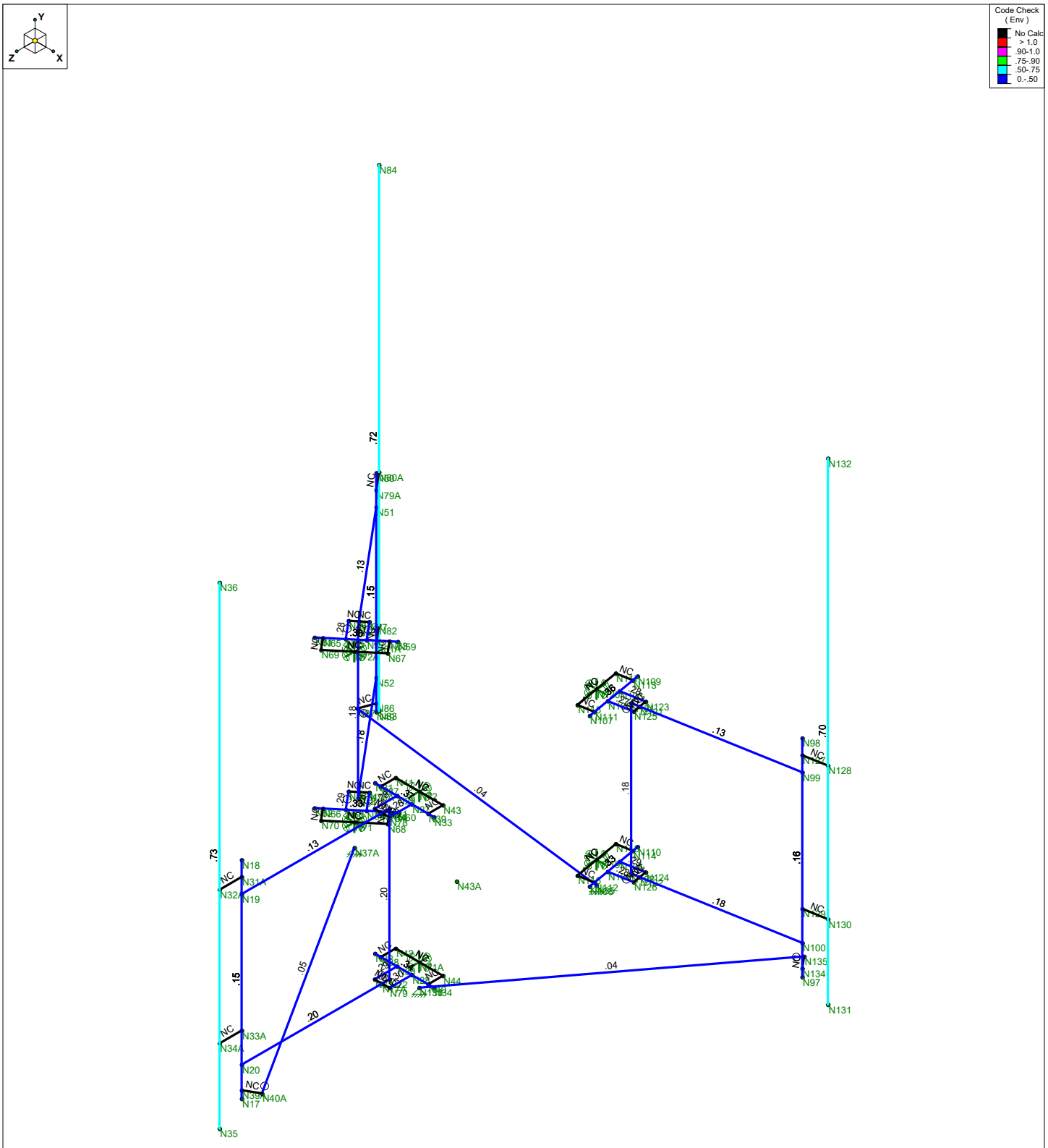
Loads: LC 8, 1.2D + 1.0W(60)

POD	841298	SK - 7
MMM		Apr 21, 2023 at 3:48 PM
23-155055		841298 118 ft - Loads.r3d



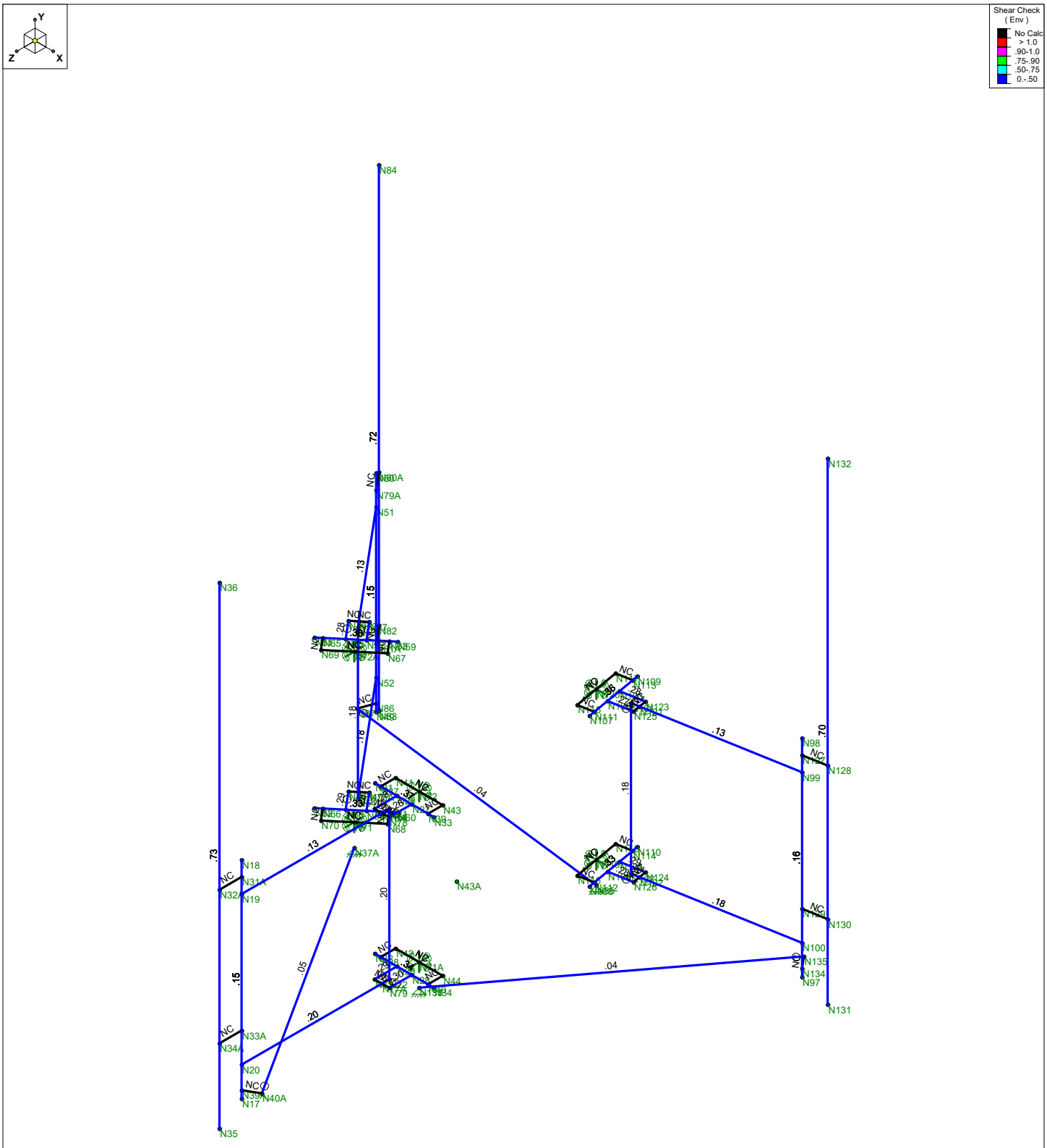
Loads: LC 11, 1.2D + 1.0W(90)

POD	841298	SK - 8
MMM		Apr 21, 2023 at 3:49 PM
23-155055		841298 118 ft - Loads.r3d



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.4D

POD	841298	SK - 9
MMM		Apr 21, 2023 at 3:49 PM
23-155055		841298 118 ft - Loads.r3d



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.4D

POD	841298	SK - 10
MMM		Apr 21, 2023 at 3:50 PM
23-155055		841298 118 ft - Loads.r3d

APPENDIX B

Software Input Calculations (118 ft)

POWER OF DESIGN

POD Job #	**23-155055**
Site Number	**841298**
Site Name	**SOUTHINGTON ROGUS**

General Site Information

Mount Type	MF	Risk Category	II	I (seismic)	1			Use CFD	Yes
V (Wind Speed)	118	I(ice)	1	Sms	0.320				
Zs	343.35			Sm1	0.132				
ti	1	Ss	0.2	Sds	0.213				width (ft) height (ft)
Vi	50	S1	0.055	Sd1	0.088			Front Outer Dimensions	0.5 3.5
Kzt	1	Soil Site Class	D (assumed)	Seismic Design Category				Side Outer Dimensions	3.5 3.5
Exposure	B	Fa	1.600	B				Number of Sectors	3
zg	1200	Fv	2.400	Seismic Analysis Not Required					
α	7			R	2	TIA-222-H 16.7			
Kmin	0.7	Tower Type	Self Support	As	1	TIA-222-H 16.7			
G_H	1	Tower Height	120	Cs, Min	0.03	TIA-222-H 2.7.7.1.1			
Ke	0.99			Cs	0.106666667	TIA-222-H 2.7.7.1.1			
K_D	0.95	Alpha Azimuth	0						
K_a	0.9								

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
TPA65R-BU8DA-K			120	4	70		A	1	1
TPA65R-BU8DA-K			120	4	70	20	B/C	1	1
RRUS 4449 B5/B12			120	5			A/B/C	1	1
DC6-48-60-18-8F			120	5			A/B/C	1	1
RRUS 8843 B2/B66A			120	5			A/B/C	1	1

Dish Information

Model	Centerline	Azimuth	Type	Diameter	Depth	Weight	Acting Azimuth	Wind kz	qz	A	Ice Kiz	Ice tiz	qz	Di	Ai	W

Mount Information

Elevation (ft)	118	Grating Thickness (in)	
K_z	1.04	Grating Ice Weight (k/ft²)	0.011
Kiz	1.14		
tiz	1.14		

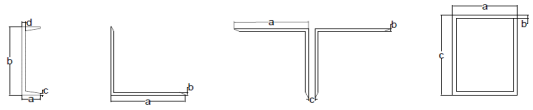
	Length (ft)	Width (in)	Centerline
Mount Pipes	8	2.375	120

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
Supp	3.5	3.5	Yes	1
SO Vert	2.5	2.375	Side	1
Tieback	8	2.375	No	1

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
SO	3	3	Square HSS	3	0.1875	3		Side	2
SO Plate	0.38	4	Channel		4		0.375	No	4
Conn	1	4.75	Channel	3	4.75	0.25	0.25	No	2



Version 3.59

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
TPA65R-BU8DA-K	96.0	20.7	7.7	87.1	1.04	34.82	16.08	7.31	0.560	0.255	0.484	0.484	0.255
TPA65R-BU8DA-K	96.0	20.7	7.7	87.1	1.04	34.82	16.08	7.31	0.560	0.255	0.551	0.551	0.290
RRUS 4449 B5/B12	17.9	13.2	9.4	71.0	1.04	34.82	1.77	1.27	0.062	0.044	0.057	0.057	0.044
DC6-48-60-18-8F	22.3	11.0	11.0	18.9	1.04	34.82	0.76	0.76	0.027	0.027	0.027	0.027	0.027
RRUS 8843 B2/B66A	14.9	13.2	10.9	72.0	1.04	34.82	1.48	1.22	0.051	0.042	0.049	0.049	0.042

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
TPA65R-BU8DA-K	1.14	98.28	22.98	9.98	234.08	1.14	6.25	10.44	5.29	0.065	0.033	0.057	0.057	0.033
TPA65R-BU8DA-K	1.14	98.28	22.98	9.98	234.08	1.14	6.25	10.44	5.29	0.065	0.033	0.072	0.072	0.041
RRUS 4449 B5/B12	1.14	20.18	15.47	11.72	46.24	1.14	6.25	1.37	1.04	0.009	0.006	0.008	0.008	0.006
DC6-48-60-18-8F	1.14	24.53	13.28	13.28	52.83	1.14	6.25	1.42	1.42	0.009	0.009	0.009	0.009	0.009
RRUS 8843 B2/B66A	1.14	17.18	15.48	13.18	44.02	1.14	6.25	1.16	0.99	0.007	0.006	0.007	0.007	0.006

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)
Supp	34.65	1.02	34.15	0.74	1.20	0.81	0.008	5.77	0.01	6.22	1.68	0.78	1.20	1.41	0.003
SO Vert	34.65	0.49	23.17	0.74	1.20	0.39	0.003	4.65	0.00	6.22	0.97	0.78	1.20	0.81	0.001
Tieback	34.65	1.58	23.17	0.74	1.20	1.26	0.003	4.65	0.00	6.22	3.10	0.78	1.20	2.59	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)
SO	34.65	1.50	1.25	0.84	0.005	5.27	0.01	6.22	2.64	0.78	1.25	1.15	0.001
SO Plate	34.65	0.51	2.00	0.23	0.010	6.27	0.01	6.22	0.79	0.78	2.00	0.28	0.002
Conn	34.65	0.79	2.00	0.71	0.012	7.02	0.01	6.22	1.17	0.78	2.00	0.82	0.003

Appurtenance Seismic Calculations

Model	Weight	Sds	ρ	Cs	As	Ev	Eh
TPA65R-BU8DA-K	87.1	0.213	1.000	0.107	1.000	0.004	0.009
TPA65R-BU8DA-K	87.1	0.213	1.000	0.107	1.000	0.004	0.009
RRUS 4449 B5/B12	71.0	0.213	1.000	0.107	1.000	0.003	0.008
DC6-48-60-18-8F	18.9	0.213	1.000	0.107	1.000	0.001	0.002
RRUS 8843 B2/B66A	72.0	0.213	1.000	0.107	1.000	0.003	0.008

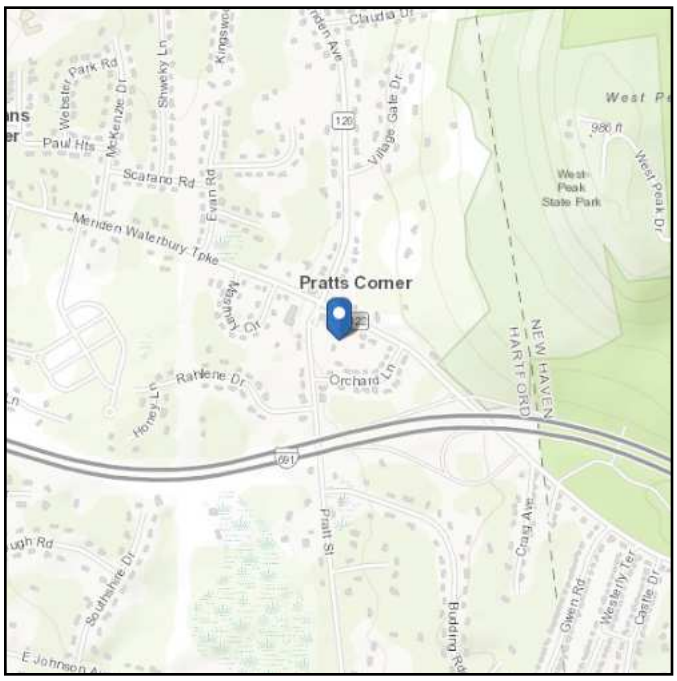
Version 3.59

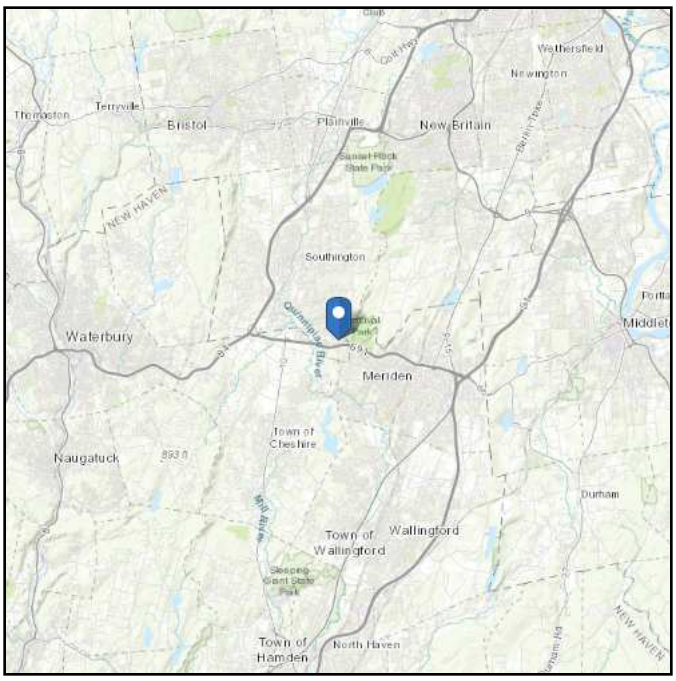
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Latitude: 41.556817
Longitude: -72.853011
Elevation: 343.35 ft (NAVD 88)





Wind

Results:

Wind Speed	118 Vmph
10-year MRI	75 Vmph
25-year MRI	84 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 Feb 21 2023

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

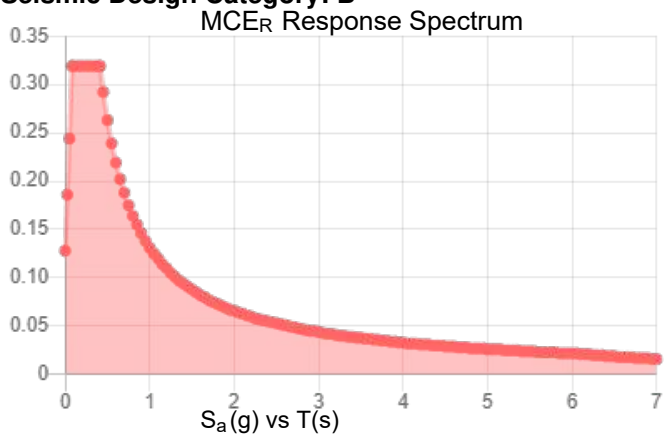
D - Default (see Section 11.4.3)

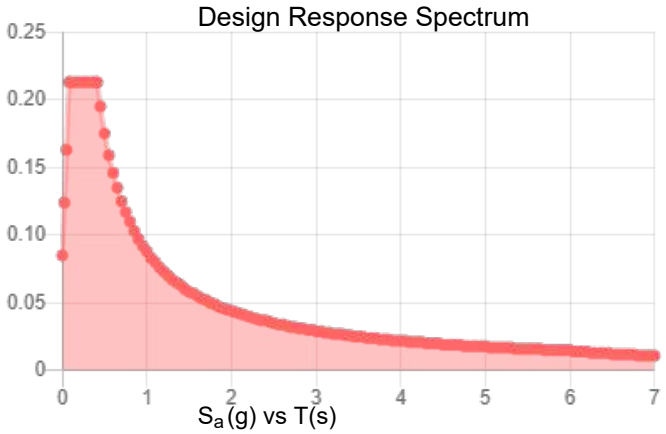
Site Soil Class:

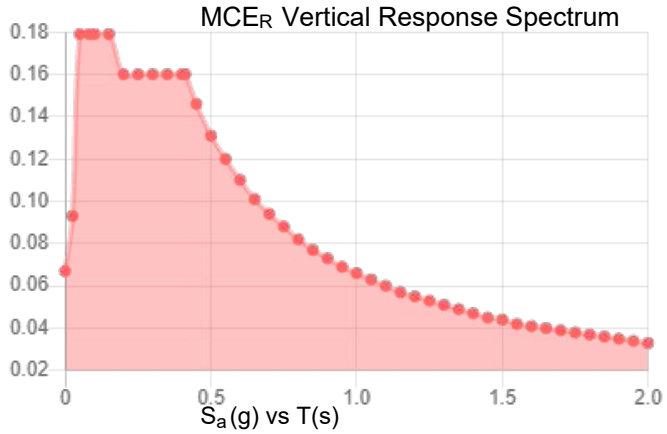
Results:

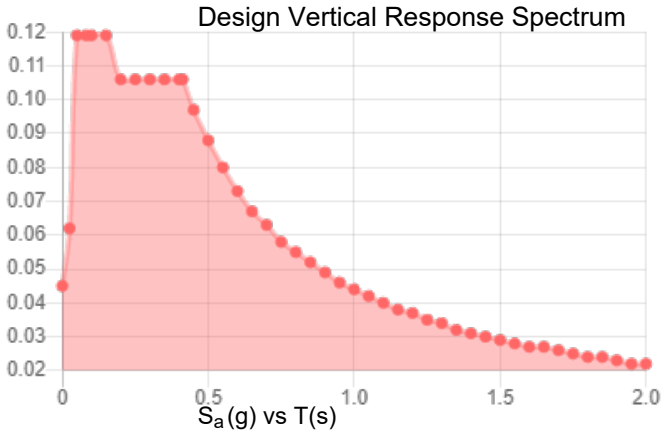
S_S :	0.2	S_{D1} :	0.088
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.11
F_v :	2.4	PGA_M :	0.174
S_{MS} :	0.319	F_{PGA} :	1.58
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.213	C_v :	0.7

Seismic Design Category: B









Data Accessed: **Tue Feb 21 2023**

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 Feb 21 2023

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.

Exposure Category Determination
BU#841298

- Latitude/Longitude = 41° 33' 24.54",-72° 51' 10.84"
- Tower Height = 80 ft
- Upwind Fetch Radius = Greater of 25 x Tower Height or 3250 ft = 3250 ft
- Minimum Open Patch = 164 ft x 164 ft
- Maximum continuous surface roughness category C arc angle = 0 degrees
- Kmz file saved in folder … R:\SA Models - Letters\Work Area\Exposure_Topo_KMZ

Exposure Category for this site is B.

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

Completed by: Erin Doyle

Date: 11/12/2015

Approved by: Jason Hedrich

Date: 11/12/2015

Unmitigated Percentage (B/C)

Inputs

Tower Height (ft):	80'
Starting Azimuth:	260°
Upwind Fetch Radius (ft):	3250'
20% Unmitigated Limit (ft):	650'
Overlay Size Selected:	30°

Subsector (Degrees)	Total Unmitigated Length (ft)	Percentage of Subsector Unmitigated
245°		0.0%
250°		0.0%
255°	240'	7.4%
260°	475'	14.6%
265°	460'	14.2%
270°	440'	13.5%
275°	490'	15.1%
280°	495'	15.2%
285°	220'	6.8%
290°	'	0.0%
295°		0.0%
300°		0.0%
305°		0.0%
310°		0.0%

THIS SITE IS EXPOSURE:	B

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

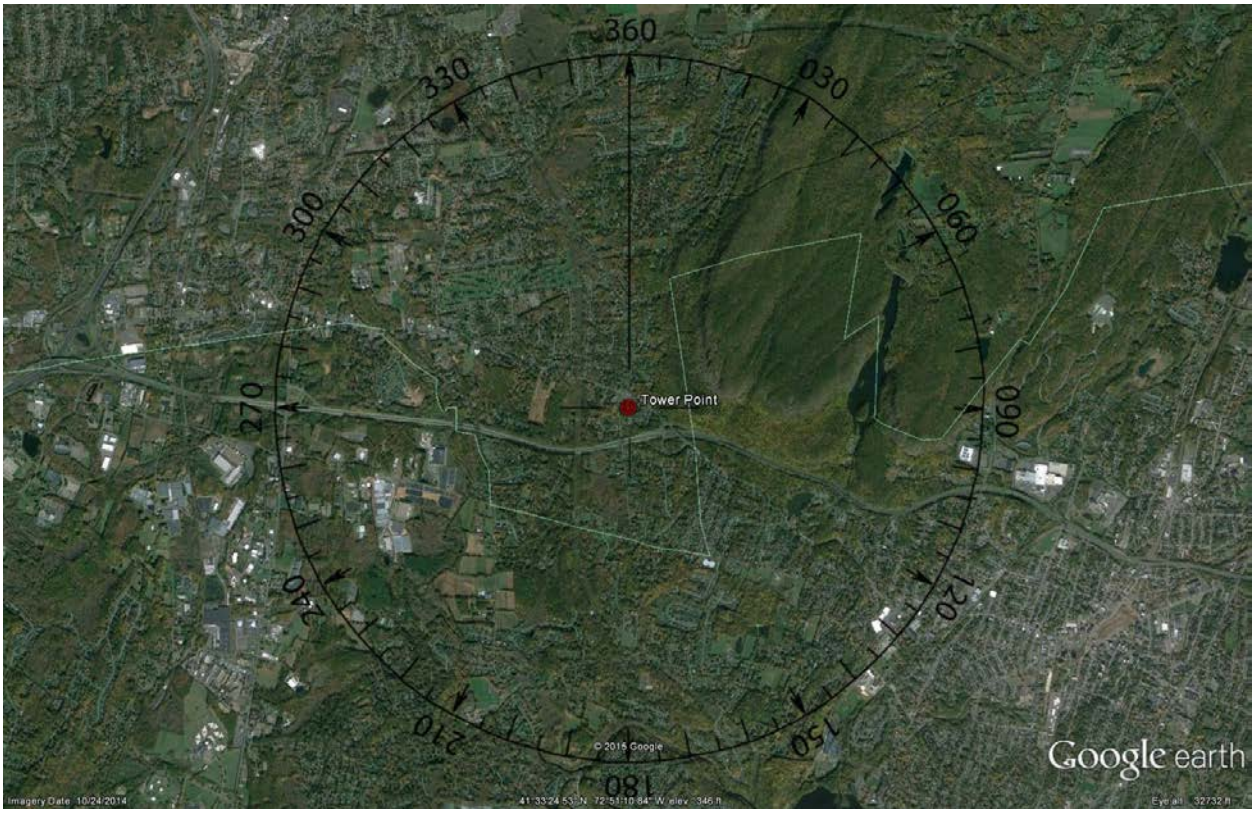
The determination is based on Crown Castle standard ENG-PRC-10202, Determination of Exposure Category, revision C.

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#841298

- Latitude/Longitude = 41° 33' 24.54",-72° 51' 10.84"
- Tower Height = 80 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 B.
No topo feature.
Topographic Factor (K_{ZT}) at base is 1.0.

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

Completed by: Erin Doyle

Date: 11/12/2015

Approved by: Jason Hedrich

Date: 11/12/2015

APPENDIX C

Software Analysis Output (118 ft)

Hot Rolled Steel Design Parameters

	Label	Shape	Length[...	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
1	TIEBACK ALPHA	PIPE_2.0	5.206			Lbyy						Lateral
2	SUPP ALPHA	PIPE_3.0	3.5			Lbyy						Lateral
3	SO2 ALPHA	HSS3X3X3	2.5			Lbyy						Lateral
4	SO1 ALPHA	HSS3X3X3	2.5			Lbyy						Lateral
5	SO VERT1 ALP...	PIPE_2.0	2.5	2.25	2.25	Lbyy						Lateral
6	SO PLATE4 ALP...	4x0.375	.38			Lbyy						Lateral
7	SO PLATE3 ALP...	4x0.375	.38			Lbyy						Lateral
8	SO PLATE2 ALP...	4x0.375	.38			Lbyy						Lateral
9	SO PLATE1 ALP...	4x0.375	.38			Lbyy						Lateral
10	MP ALPHA1	PIPE_2.0	8			Lbyy						Lateral
11	CONNECTION2 ...	C4.75x3	1			Lbyy						Lateral
12	CONNECTION1 ...	C4.75x3	1			Lbyy						Lateral
13	TIEBACK BETA	PIPE_2.0	4.65			Lbyy						Lateral
14	SUPP BETA	PIPE_3.0	3.5			Lbyy						Lateral
15	SO2 BETA	HSS3X3X3	2.5			Lbyy						Lateral
16	SO1 BETA	HSS3X3X3	2.5			Lbyy						Lateral
17	SO VERT1 BETA	PIPE_2.0	2.5	2.25	2.25	Lbyy						Lateral
18	SO PLATE4 BETA	4x0.375	.38			Lbyy						Lateral
19	SO PLATE3 BETA	4x0.375	.38			Lbyy						Lateral
20	SO PLATE2 BETA	4x0.375	.38			Lbyy						Lateral
21	SO PLATE1 BETA	4x0.375	.38			Lbyy						Lateral
22	MP BETA1	PIPE_2.0	8			Lbyy						Lateral
23	CONNECTION2 ...	C4.75x3	1			Lbyy						Lateral
24	CONNECTION1 ...	C4.75x3	1			Lbyy						Lateral
25	TIEBACK GAMMA	PIPE_2.0	4.65			Lbyy						Lateral
26	SUPP GAMMA	PIPE_3.0	3.5			Lbyy						Lateral
27	SO2 GAMMA	HSS3X3X3	2.5			Lbyy						Lateral
28	SO1 GAMMA	HSS3X3X3	2.5			Lbyy						Lateral
29	SO VERT1 GAM...	PIPE_2.0	2.5	2.25	2.25	Lbyy						Lateral
30	SO PLATE4 GA...	4x0.375	.38			Lbyy						Lateral
31	SO PLATE3 GA...	4x0.375	.38			Lbyy						Lateral
32	SO PLATE2 GA...	4x0.375	.38			Lbyy						Lateral
33	SO PLATE1 GA...	4x0.375	.38			Lbyy						Lateral
34	MP GAMMA1	PIPE_2.0	8			Lbyy						Lateral
35	CONNECTION2 ...	C4.75x3	1			Lbyy						Lateral
36	CONNECTION1 ...	C4.75x3	1			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design ...
1	TIEBACK AL...	N40A	N37A			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
2	SUPP ALPHA	N17	N18			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
3	SO2 ALPHA	N20	N22			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
4	SO1 ALPHA	N19	N21			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
5	SO VERT1 A...	N21	N22			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
6	SO PLATE4 ...	N79	N28			4x0.375	Beam	RECT	A36 Gr.36	Typical
7	SO PLATE3 ...	N81	N30			4x0.375	Beam	RECT	A36 Gr.36	Typical
8	SO PLATE2 ...	N78	N27			4x0.375	Beam	RECT	A36 Gr.36	Typical
9	SO PLATE1 ...	N80	N29			4x0.375	Beam	RECT	A36 Gr.36	Typical
10	MP ALPHA1	N35	N36			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
11	CONNECTIO...	N32	N34		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
12	CONNECTIO...	N31	N33		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
13	11 ALPHA	N39A	N40A			RIGID	None	None	RIGID	Typical
14	10 ALPHA	N42	N44			RIGID	None	None	RIGID	Typical
15	9 ALPHA	N41	N43			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design ...
16	8 ALPHA	N40	N44			RIGID	None	None	RIGID	Typical
17	7 ALPHA	N38	N42			RIGID	None	None	RIGID	Typical
18	6 ALPHA	N39	N43			RIGID	None	None	RIGID	Typical
19	5 ALPHA	N37	N41			RIGID	None	None	RIGID	Typical
20	4 ALPHA	N80	N76A			RIGID	None	None	RIGID	Typical
21	3 ALPHA	N78	N76A			RIGID	None	None	RIGID	Typical
22	2 ALPHA	N81	N77A			RIGID	None	None	RIGID	Typical
23	1 ALPHA	N79	N77A			RIGID	None	None	RIGID	Typical
24	TIEBACK BE...	N87	N85			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
25	SUPP BETA	N49	N50			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
26	SO2 BETA	N52	N54			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
27	SO1 BETA	N51	N53			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
28	SO VERT1 B...	N53	N54			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
29	SO PLATE4 ...	N76	N56			4x0.375	Beam	RECT	A36 Gr.36	Typical
30	SO PLATE3 ...	N78A	N58			4x0.375	Beam	RECT	A36 Gr.36	Typical
31	SO PLATE2 ...	N75	N55			4x0.375	Beam	RECT	A36 Gr.36	Typical
32	SO PLATE1 ...	N77	N57			4x0.375	Beam	RECT	A36 Gr.36	Typical
33	MP BETA1	N83	N84			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
34	CONNECTIO...	N60	N62		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
35	CONNECTIO...	N59	N61		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
36	11 BETA	N86	N87			RIGID	None	None	RIGID	Typical
37	10 BETA	N68	N70			RIGID	None	None	RIGID	Typical
38	9 BETA	N67	N69			RIGID	None	None	RIGID	Typical
39	8 BETA	N66	N70			RIGID	None	None	RIGID	Typical
40	7 BETA	N64	N68			RIGID	None	None	RIGID	Typical
41	6 BETA	N65	N69			RIGID	None	None	RIGID	Typical
42	5 BETA	N63	N67			RIGID	None	None	RIGID	Typical
43	4 BETA	N77	N73			RIGID	None	None	RIGID	Typical
44	3 BETA	N75	N73			RIGID	None	None	RIGID	Typical
45	2 BETA	N78A	N74			RIGID	None	None	RIGID	Typical
46	1 BETA	N76	N74			RIGID	None	None	RIGID	Typical
47	TIEBACK GA...	N135	N133			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
48	SUPP GAM...	N97	N98			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
49	SO2 GAMMA	N100	N102			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
50	SO1 GAMMA	N99	N101			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
51	SO VERT1 G...	N101	N102			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
52	SO PLATE4 ...	N124	N104			4x0.375	Beam	RECT	A36 Gr.36	Typical
53	SO PLATE3 ...	N126	N106			4x0.375	Beam	RECT	A36 Gr.36	Typical
54	SO PLATE2 ...	N123	N103			4x0.375	Beam	RECT	A36 Gr.36	Typical
55	SO PLATE1 ...	N125	N105			4x0.375	Beam	RECT	A36 Gr.36	Typical
56	MP GAMMA1	N131	N132			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
57	CONNECTIO...	N108	N110		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
58	CONNECTIO...	N107	N109		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
59	11 GAMMA	N134	N135			RIGID	None	None	RIGID	Typical
60	10 GAMMA	N116	N118			RIGID	None	None	RIGID	Typical
61	9 GAMMA	N115	N117			RIGID	None	None	RIGID	Typical
62	8 GAMMA	N114	N118			RIGID	None	None	RIGID	Typical
63	7 GAMMA	N112	N116			RIGID	None	None	RIGID	Typical
64	6 GAMMA	N113	N117			RIGID	None	None	RIGID	Typical
65	5 GAMMA	N111	N115			RIGID	None	None	RIGID	Typical
66	4 GAMMA	N125	N121			RIGID	None	None	RIGID	Typical
67	3 GAMMA	N123	N121			RIGID	None	None	RIGID	Typical
68	2 GAMMA	N126	N122			RIGID	None	None	RIGID	Typical
69	1 GAMMA	N124	N122			RIGID	None	None	RIGID	Typical
70	M70	N33A	N34A			RIGID	None	None	RIGID	Typical
71	M71	N31A	N32A			RIGID	None	None	RIGID	Typical
72	M72	N79A	N80A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design ...
73	M73	N81A	N82			RIGID	None	None	RIGID	Typical
74	M74	N127	N128			RIGID	None	None	RIGID	Typical
75	M75	N129	N130			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 A...	BenPIN					Yes	Default			None
2	SUPP ALP...						Yes	Default			None
3	SO2 ALPHA						Yes				None
4	SO1 ALPHA						Yes				None
5	SO VERT1 ...						Yes	Default			None
6	SO PLATE...	OOOOOX					Yes	Default			None
7	SO PLATE...	OOOOOX					Yes	Default			None
8	SO PLATE...	OOOOOX					Yes	Default			None
9	SO PLATE...	OOOOOX					Yes	Default			None
10	MP ALPHA1						Yes				None
11	CONNECTI...						Yes				None
12	CONNECTI...						Yes				None
13	11 ALPHA						Yes	** NA **			None
14	10 ALPHA						Yes	** NA **			None
15	9 ALPHA						Yes	** NA **			None
16	8 ALPHA						Yes	** NA **			None
17	7 ALPHA						Yes	** NA **			None
18	6 ALPHA						Yes	** NA **			None
19	5 ALPHA						Yes	** NA **			None
20	4 ALPHA						Yes	** NA **			None
21	3 ALPHA						Yes	** NA **			None
22	2 ALPHA						Yes	** NA **			None
23	1 ALPHA						Yes	** NA **			None
24	TIEBACK B...	BenPIN					Yes	Default			None
25	SUPP BETA						Yes	Default			None
26	SO2 BETA						Yes				None
27	SO1 BETA						Yes				None
28	SO VERT1 ...						Yes	Default			None
29	SO PLATE...	OOOOOX					Yes	Default			None
30	SO PLATE...	OOOOOX					Yes	Default			None
31	SO PLATE...	OOOOOX					Yes	Default			None
32	SO PLATE...	OOOOOX					Yes	Default			None
33	MP BETA1						Yes				None
34	CONNECTI...						Yes				None
35	CONNECTI...						Yes				None
36	11 BETA						Yes	** NA **			None
37	10 BETA						Yes	** NA **			None
38	9 BETA						Yes	** NA **			None
39	8 BETA						Yes	** NA **			None
40	7 BETA						Yes	** NA **			None
41	6 BETA						Yes	** NA **			None
42	5 BETA						Yes	** NA **			None
43	4 BETA						Yes	** NA **			None
44	3 BETA						Yes	** NA **			None
45	2 BETA						Yes	** NA **			None
46	1 BETA						Yes	** NA **			None
47	TIEBACK ...	BenPIN					Yes	Default			None
48	SUPP GA...						Yes	Default			None
49	SO2 GAM...						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...
50	SO1 GAM...						Yes				None
51	SO VERT1 ...						Yes	Default			None
52	SO PLATE...	OOOOOX					Yes	Default			None
53	SO PLATE...	OOOOOX					Yes	Default			None
54	SO PLATE...	OOOOOX					Yes	Default			None
55	SO PLATE...	OOOOOX					Yes	Default			None
56	MP GAMM...						Yes				None
57	CONNECTI...						Yes				None
58	CONNECTI...						Yes				None
59	11 GAMMA						Yes	** NA **			None
60	10 GAMMA						Yes	** NA **			None
61	9 GAMMA						Yes	** NA **			None
62	8 GAMMA						Yes	** NA **			None
63	7 GAMMA						Yes	** NA **			None
64	6 GAMMA						Yes	** NA **			None
65	5 GAMMA						Yes	** NA **			None
66	4 GAMMA						Yes	** NA **			None
67	3 GAMMA						Yes	** NA **			None
68	2 GAMMA						Yes	** NA **			None
69	1 GAMMA						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	M74						Yes	** NA **			None
75	M75						Yes	** NA **			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	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 2 : Wind Load (0))

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.28	6.917
2	MP ALPHA1	Z	.28	1.083
3	MP BETA1	Z	.217	6.917
4	MP BETA1	Z	.217	1.083
5	MP GAMMA1	Z	.132	6.917
6	MP GAMMA1	Z	.132	1.083
7	MP ALPHA1	Z	.062	5
8	MP BETA1	Z	.049	5
9	MP GAMMA1	Z	.049	5
10	MP ALPHA1	Z	.027	5
11	MP BETA1	Z	.027	5
12	MP GAMMA1	Z	.027	5
13	MP ALPHA1	Z	.051	5
14	MP BETA1	Z	.045	5
15	MP GAMMA1	Z	.045	5

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.044	6.917
2	MP ALPHA1	Y	-.044	1.083
3	MP BETA1	Y	-.044	6.917
4	MP BETA1	Y	-.044	1.083
5	MP GAMMA1	Y	-.044	6.917
6	MP GAMMA1	Y	-.044	1.083
7	MP ALPHA1	Y	-.071	5
8	MP BETA1	Y	-.071	5
9	MP GAMMA1	Y	-.071	5
10	MP ALPHA1	Y	-.019	5
11	MP BETA1	Y	-.019	5
12	MP GAMMA1	Y	-.019	5
13	MP ALPHA1	Y	-.072	5
14	MP BETA1	Y	-.072	5
15	MP GAMMA1	Y	-.072	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.209	6.917
2	MP ALPHA1	Z	.209	1.083
3	MP ALPHA1	X	-.121	6.917
4	MP ALPHA1	X	-.121	1.083
5	MP BETA1	Z	.126	6.917
6	MP BETA1	Z	.126	1.083
7	MP BETA1	X	-.073	6.917
8	MP BETA1	X	-.073	1.083
9	MP GAMMA1	Z	.165	6.917
10	MP GAMMA1	Z	.165	1.083
11	MP GAMMA1	X	-.095	6.917
12	MP GAMMA1	X	-.095	1.083
13	MP ALPHA1	Z	.05	5
14	MP ALPHA1	X	-.029	5
15	MP BETA1	Z	.038	5
16	MP BETA1	X	-.022	5
17	MP GAMMA1	Z	.05	5
18	MP GAMMA1	X	-.029	5
19	MP ALPHA1	Z	.023	5
20	MP ALPHA1	X	-.013	5
21	MP BETA1	Z	.023	5
22	MP BETA1	X	-.013	5
23	MP GAMMA1	Z	.023	5
24	MP GAMMA1	X	-.013	5
25	MP ALPHA1	Z	.043	5
26	MP ALPHA1	X	-.025	5
27	MP BETA1	Z	.037	5
28	MP BETA1	X	-.021	5
29	MP GAMMA1	Z	.043	5
30	MP GAMMA1	X	-.025	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.083	6.917
2	MP ALPHA1	Z	.083	1.083
3	MP ALPHA1	X	-.143	6.917
4	MP ALPHA1	X	-.143	1.083
5	MP BETA1	Z	.066	6.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP BETA1	Z	.066	1.083
7	MP BETA1	X	-.114	6.917
8	MP BETA1	X	-.114	1.083
9	MP GAMMA1	Z	.131	6.917
10	MP GAMMA1	Z	.131	1.083
11	MP GAMMA1	X	-.227	6.917
12	MP GAMMA1	X	-.227	1.083
13	MP ALPHA1	Z	.024	5
14	MP ALPHA1	X	-.042	5
15	MP BETA1	Z	.024	5
16	MP BETA1	X	-.042	5
17	MP GAMMA1	Z	.031	5
18	MP GAMMA1	X	-.053	5
19	MP ALPHA1	Z	.013	5
20	MP ALPHA1	X	-.023	5
21	MP BETA1	Z	.013	5
22	MP BETA1	X	-.023	5
23	MP GAMMA1	Z	.013	5
24	MP GAMMA1	X	-.023	5
25	MP ALPHA1	Z	.022	5
26	MP ALPHA1	X	-.039	5
27	MP BETA1	Z	.022	5
28	MP BETA1	X	-.039	5
29	MP GAMMA1	Z	.026	5
30	MP GAMMA1	X	-.044	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.127	6.917
2	MP ALPHA1	X	-.127	1.083
3	MP BETA1	X	-.19	6.917
4	MP BETA1	X	-.19	1.083
5	MP GAMMA1	X	-.275	6.917
6	MP GAMMA1	X	-.275	1.083
7	MP ALPHA1	X	-.044	5
8	MP BETA1	X	-.057	5
9	MP GAMMA1	X	-.057	5
10	MP ALPHA1	X	-.027	5
11	MP BETA1	X	-.027	5
12	MP GAMMA1	X	-.027	5
13	MP ALPHA1	X	-.042	5
14	MP BETA1	X	-.049	5
15	MP GAMMA1	X	-.049	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.083	6.917
2	MP ALPHA1	Z	-.083	1.083
3	MP ALPHA1	X	-.143	6.917
4	MP ALPHA1	X	-.143	1.083
5	MP BETA1	Z	-.131	6.917
6	MP BETA1	Z	-.131	1.083
7	MP BETA1	X	-.227	6.917
8	MP BETA1	X	-.227	1.083
9	MP GAMMA1	Z	-.108	6.917
10	MP GAMMA1	Z	-.108	1.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP GAMMA1	X	-.188	6.917
12	MP GAMMA1	X	-.188	1.083
13	MP ALPHA1	Z	-.024	5
14	MP ALPHA1	X	-.042	5
15	MP BETA1	Z	-.031	5
16	MP BETA1	X	-.053	5
17	MP GAMMA1	Z	-.024	5
18	MP GAMMA1	X	-.042	5
19	MP ALPHA1	Z	-.013	5
20	MP ALPHA1	X	-.023	5
21	MP BETA1	Z	-.013	5
22	MP BETA1	X	-.023	5
23	MP GAMMA1	Z	-.013	5
24	MP GAMMA1	X	-.023	5
25	MP ALPHA1	Z	-.022	5
26	MP ALPHA1	X	-.039	5
27	MP BETA1	Z	-.026	5
28	MP BETA1	X	-.044	5
29	MP GAMMA1	Z	-.022	5
30	MP GAMMA1	X	-.039	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.209	6.917
2	MP ALPHA1	Z	-.209	1.083
3	MP ALPHA1	X	-.121	6.917
4	MP ALPHA1	X	-.121	1.083
5	MP BETA1	Z	-.239	6.917
6	MP BETA1	Z	-.239	1.083
7	MP BETA1	X	-.138	6.917
8	MP BETA1	X	-.138	1.083
9	MP GAMMA1	Z	-.126	6.917
10	MP GAMMA1	Z	-.126	1.083
11	MP GAMMA1	X	-.073	6.917
12	MP GAMMA1	X	-.073	1.083
13	MP ALPHA1	Z	-.05	5
14	MP ALPHA1	X	-.029	5
15	MP BETA1	Z	-.05	5
16	MP BETA1	X	-.029	5
17	MP GAMMA1	Z	-.038	5
18	MP GAMMA1	X	-.022	5
19	MP ALPHA1	Z	-.023	5
20	MP ALPHA1	X	-.013	5
21	MP BETA1	Z	-.023	5
22	MP BETA1	X	-.013	5
23	MP GAMMA1	Z	-.023	5
24	MP GAMMA1	X	-.013	5
25	MP ALPHA1	Z	-.043	5
26	MP ALPHA1	X	-.025	5
27	MP BETA1	Z	-.043	5
28	MP BETA1	X	-.025	5
29	MP GAMMA1	Z	-.037	5
30	MP GAMMA1	X	-.021	5

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.28	6.917
2	MP ALPHA1	Z	-.28	1.083
3	MP BETA1	Z	-.217	6.917
4	MP BETA1	Z	-.217	1.083
5	MP GAMMA1	Z	-.132	6.917
6	MP GAMMA1	Z	-.132	1.083
7	MP ALPHA1	Z	-.062	5
8	MP BETA1	Z	-.049	5
9	MP GAMMA1	Z	-.049	5
10	MP ALPHA1	Z	-.027	5
11	MP BETA1	Z	-.027	5
12	MP GAMMA1	Z	-.027	5
13	MP ALPHA1	Z	-.051	5
14	MP BETA1	Z	-.045	5
15	MP GAMMA1	Z	-.045	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.209	6.917
2	MP ALPHA1	Z	-.209	1.083
3	MP ALPHA1	X	.121	6.917
4	MP ALPHA1	X	.121	1.083
5	MP BETA1	Z	-.126	6.917
6	MP BETA1	Z	-.126	1.083
7	MP BETA1	X	.073	6.917
8	MP BETA1	X	.073	1.083
9	MP GAMMA1	Z	-.165	6.917
10	MP GAMMA1	Z	-.165	1.083
11	MP GAMMA1	X	.095	6.917
12	MP GAMMA1	X	.095	1.083
13	MP ALPHA1	Z	-.05	5
14	MP ALPHA1	X	.029	5
15	MP BETA1	Z	-.038	5
16	MP BETA1	X	.022	5
17	MP GAMMA1	Z	-.05	5
18	MP GAMMA1	X	.029	5
19	MP ALPHA1	Z	-.023	5
20	MP ALPHA1	X	.013	5
21	MP BETA1	Z	-.023	5
22	MP BETA1	X	.013	5
23	MP GAMMA1	Z	-.023	5
24	MP GAMMA1	X	.013	5
25	MP ALPHA1	Z	-.043	5
26	MP ALPHA1	X	.025	5
27	MP BETA1	Z	-.037	5
28	MP BETA1	X	.021	5
29	MP GAMMA1	Z	-.043	5
30	MP GAMMA1	X	.025	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.083	6.917
2	MP ALPHA1	Z	-.083	1.083
3	MP ALPHA1	X	.143	6.917
4	MP ALPHA1	X	.143	1.083
5	MP BETA1	Z	-.066	6.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP BETA1	Z	-.066	1.083
7	MP BETA1	X	.114	6.917
8	MP BETA1	X	.114	1.083
9	MP GAMMA1	Z	-.131	6.917
10	MP GAMMA1	Z	-.131	1.083
11	MP GAMMA1	X	.227	6.917
12	MP GAMMA1	X	.227	1.083
13	MP ALPHA1	Z	-.024	5
14	MP ALPHA1	X	.042	5
15	MP BETA1	Z	-.024	5
16	MP BETA1	X	.042	5
17	MP GAMMA1	Z	-.031	5
18	MP GAMMA1	X	.053	5
19	MP ALPHA1	Z	-.013	5
20	MP ALPHA1	X	.023	5
21	MP BETA1	Z	-.013	5
22	MP BETA1	X	.023	5
23	MP GAMMA1	Z	-.013	5
24	MP GAMMA1	X	.023	5
25	MP ALPHA1	Z	-.022	5
26	MP ALPHA1	X	.039	5
27	MP BETA1	Z	-.022	5
28	MP BETA1	X	.039	5
29	MP GAMMA1	Z	-.026	5
30	MP GAMMA1	X	.044	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.127	6.917
2	MP ALPHA1	X	.127	1.083
3	MP BETA1	X	.19	6.917
4	MP BETA1	X	.19	1.083
5	MP GAMMA1	X	.275	6.917
6	MP GAMMA1	X	.275	1.083
7	MP ALPHA1	X	.044	5
8	MP BETA1	X	.057	5
9	MP GAMMA1	X	.057	5
10	MP ALPHA1	X	.027	5
11	MP BETA1	X	.027	5
12	MP GAMMA1	X	.027	5
13	MP ALPHA1	X	.042	5
14	MP BETA1	X	.049	5
15	MP GAMMA1	X	.049	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.083	6.917
2	MP ALPHA1	Z	.083	1.083
3	MP ALPHA1	X	.143	6.917
4	MP ALPHA1	X	.143	1.083
5	MP BETA1	Z	.131	6.917
6	MP BETA1	Z	.131	1.083
7	MP BETA1	X	.227	6.917
8	MP BETA1	X	.227	1.083
9	MP GAMMA1	Z	.108	6.917
10	MP GAMMA1	Z	.108	1.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP GAMMA1	X	.188	6.917
12	MP GAMMA1	X	.188	1.083
13	MP ALPHA1	Z	.024	5
14	MP ALPHA1	X	.042	5
15	MP BETA1	Z	.031	5
16	MP BETA1	X	.053	5
17	MP GAMMA1	Z	.024	5
18	MP GAMMA1	X	.042	5
19	MP ALPHA1	Z	.013	5
20	MP ALPHA1	X	.023	5
21	MP BETA1	Z	.013	5
22	MP BETA1	X	.023	5
23	MP GAMMA1	Z	.013	5
24	MP GAMMA1	X	.023	5
25	MP ALPHA1	Z	.022	5
26	MP ALPHA1	X	.039	5
27	MP BETA1	Z	.026	5
28	MP BETA1	X	.044	5
29	MP GAMMA1	Z	.022	5
30	MP GAMMA1	X	.039	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.209	6.917
2	MP ALPHA1	Z	.209	1.083
3	MP ALPHA1	X	.121	6.917
4	MP ALPHA1	X	.121	1.083
5	MP BETA1	Z	.239	6.917
6	MP BETA1	Z	.239	1.083
7	MP BETA1	X	.138	6.917
8	MP BETA1	X	.138	1.083
9	MP GAMMA1	Z	.126	6.917
10	MP GAMMA1	Z	.126	1.083
11	MP GAMMA1	X	.073	6.917
12	MP GAMMA1	X	.073	1.083
13	MP ALPHA1	Z	.05	5
14	MP ALPHA1	X	.029	5
15	MP BETA1	Z	.05	5
16	MP BETA1	X	.029	5
17	MP GAMMA1	Z	.038	5
18	MP GAMMA1	X	.022	5
19	MP ALPHA1	Z	.023	5
20	MP ALPHA1	X	.013	5
21	MP BETA1	Z	.023	5
22	MP BETA1	X	.013	5
23	MP GAMMA1	Z	.023	5
24	MP GAMMA1	X	.013	5
25	MP ALPHA1	Z	.043	5
26	MP ALPHA1	X	.025	5
27	MP BETA1	Z	.043	5
28	MP BETA1	X	.025	5
29	MP GAMMA1	Z	.037	5
30	MP GAMMA1	X	.021	5

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.018	6.917
2	MP ALPHA1	Z	.018	1.083
3	MP BETA1	Z	.014	6.917
4	MP BETA1	Z	.014	1.083
5	MP GAMMA1	Z	.009	6.917
6	MP GAMMA1	Z	.009	1.083
7	MP ALPHA1	Z	.004	5
8	MP BETA1	Z	.003	5
9	MP GAMMA1	Z	.003	5
10	MP ALPHA1	Z	.002	5
11	MP BETA1	Z	.002	5
12	MP GAMMA1	Z	.002	5
13	MP ALPHA1	Z	.003	5
14	MP BETA1	Z	.003	5
15	MP GAMMA1	Z	.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.014	6.917
2	MP ALPHA1	Z	.014	1.083
3	MP ALPHA1	X	-.008	6.917
4	MP ALPHA1	X	-.008	1.083
5	MP BETA1	Z	.008	6.917
6	MP BETA1	Z	.008	1.083
7	MP BETA1	X	-.005	6.917
8	MP BETA1	X	-.005	1.083
9	MP GAMMA1	Z	.011	6.917
10	MP GAMMA1	Z	.011	1.083
11	MP GAMMA1	X	-.006	6.917
12	MP GAMMA1	X	-.006	1.083
13	MP ALPHA1	Z	.003	5
14	MP ALPHA1	X	-.002	5
15	MP BETA1	Z	.002	5
16	MP BETA1	X	-.001	5
17	MP GAMMA1	Z	.003	5
18	MP GAMMA1	X	-.002	5
19	MP ALPHA1	Z	.001	5
20	MP ALPHA1	X	-.000861	5
21	MP BETA1	Z	.001	5
22	MP BETA1	X	-.000861	5
23	MP GAMMA1	Z	.001	5
24	MP GAMMA1	X	-.000861	5
25	MP ALPHA1	Z	.003	5
26	MP ALPHA1	X	-.002	5
27	MP BETA1	Z	.002	5
28	MP BETA1	X	-.001	5
29	MP GAMMA1	Z	.003	5
30	MP GAMMA1	X	-.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.005	6.917
2	MP ALPHA1	Z	.005	1.083
3	MP ALPHA1	X	-.009	6.917
4	MP ALPHA1	X	-.009	1.083
5	MP BETA1	Z	.004	6.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP BETA1	Z	.004	1.083
7	MP BETA1	X	-.007	6.917
8	MP BETA1	X	-.007	1.083
9	MP GAMMA1	Z	.008	6.917
10	MP GAMMA1	Z	.008	1.083
11	MP GAMMA1	X	-.015	6.917
12	MP GAMMA1	X	-.015	1.083
13	MP ALPHA1	Z	.002	5
14	MP ALPHA1	X	-.003	5
15	MP BETA1	Z	.002	5
16	MP BETA1	X	-.003	5
17	MP GAMMA1	Z	.002	5
18	MP GAMMA1	X	-.003	5
19	MP ALPHA1	Z	.000861	5
20	MP ALPHA1	X	-.001	5
21	MP BETA1	Z	.000861	5
22	MP BETA1	X	-.001	5
23	MP GAMMA1	Z	.000861	5
24	MP GAMMA1	X	-.001	5
25	MP ALPHA1	Z	.001	5
26	MP ALPHA1	X	-.002	5
27	MP BETA1	Z	.001	5
28	MP BETA1	X	-.002	5
29	MP GAMMA1	Z	.002	5
30	MP GAMMA1	X	-.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.008	6.917
2	MP ALPHA1	X	-.008	1.083
3	MP BETA1	X	-.012	6.917
4	MP BETA1	X	-.012	1.083
5	MP GAMMA1	X	-.018	6.917
6	MP GAMMA1	X	-.018	1.083
7	MP ALPHA1	X	-.003	5
8	MP BETA1	X	-.004	5
9	MP GAMMA1	X	-.004	5
10	MP ALPHA1	X	-.002	5
11	MP BETA1	X	-.002	5
12	MP GAMMA1	X	-.002	5
13	MP ALPHA1	X	-.003	5
14	MP BETA1	X	-.003	5
15	MP GAMMA1	X	-.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.005	6.917
2	MP ALPHA1	Z	-.005	1.083
3	MP ALPHA1	X	-.009	6.917
4	MP ALPHA1	X	-.009	1.083
5	MP BETA1	Z	-.008	6.917
6	MP BETA1	Z	-.008	1.083
7	MP BETA1	X	-.015	6.917
8	MP BETA1	X	-.015	1.083
9	MP GAMMA1	Z	-.007	6.917
10	MP GAMMA1	Z	-.007	1.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP GAMMA1	X	-.012	6.917
12	MP GAMMA1	X	-.012	1.083
13	MP ALPHA1	Z	-.002	5
14	MP ALPHA1	X	-.003	5
15	MP BETA1	Z	-.002	5
16	MP BETA1	X	-.003	5
17	MP GAMMA1	Z	-.002	5
18	MP GAMMA1	X	-.003	5
19	MP ALPHA1	Z	-.000861	5
20	MP ALPHA1	X	-.001	5
21	MP BETA1	Z	-.000861	5
22	MP BETA1	X	-.001	5
23	MP GAMMA1	Z	-.000861	5
24	MP GAMMA1	X	-.001	5
25	MP ALPHA1	Z	-.001	5
26	MP ALPHA1	X	-.002	5
27	MP BETA1	Z	-.002	5
28	MP BETA1	X	-.003	5
29	MP GAMMA1	Z	-.001	5
30	MP GAMMA1	X	-.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.014	6.917
2	MP ALPHA1	Z	-.014	1.083
3	MP ALPHA1	X	-.008	6.917
4	MP ALPHA1	X	-.008	1.083
5	MP BETA1	Z	-.015	6.917
6	MP BETA1	Z	-.015	1.083
7	MP BETA1	X	-.009	6.917
8	MP BETA1	X	-.009	1.083
9	MP GAMMA1	Z	-.008	6.917
10	MP GAMMA1	Z	-.008	1.083
11	MP GAMMA1	X	-.005	6.917
12	MP GAMMA1	X	-.005	1.083
13	MP ALPHA1	Z	-.003	5
14	MP ALPHA1	X	-.002	5
15	MP BETA1	Z	-.003	5
16	MP BETA1	X	-.002	5
17	MP GAMMA1	Z	-.002	5
18	MP GAMMA1	X	-.001	5
19	MP ALPHA1	Z	-.001	5
20	MP ALPHA1	X	-.000861	5
21	MP BETA1	Z	-.001	5
22	MP BETA1	X	-.000861	5
23	MP GAMMA1	Z	-.001	5
24	MP GAMMA1	X	-.000861	5
25	MP ALPHA1	Z	-.003	5
26	MP ALPHA1	X	-.002	5
27	MP BETA1	Z	-.003	5
28	MP BETA1	X	-.002	5
29	MP GAMMA1	Z	-.002	5
30	MP GAMMA1	X	-.001	5

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

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.018	6.917
2	MP ALPHA1	Z	-.018	1.083
3	MP BETA1	Z	-.014	6.917
4	MP BETA1	Z	-.014	1.083
5	MP GAMMA1	Z	-.009	6.917
6	MP GAMMA1	Z	-.009	1.083
7	MP ALPHA1	Z	-.004	5
8	MP BETA1	Z	-.003	5
9	MP GAMMA1	Z	-.003	5
10	MP ALPHA1	Z	-.002	5
11	MP BETA1	Z	-.002	5
12	MP GAMMA1	Z	-.002	5
13	MP ALPHA1	Z	-.003	5
14	MP BETA1	Z	-.003	5
15	MP GAMMA1	Z	-.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.014	6.917
2	MP ALPHA1	Z	-.014	1.083
3	MP ALPHA1	X	.008	6.917
4	MP ALPHA1	X	.008	1.083
5	MP BETA1	Z	-.008	6.917
6	MP BETA1	Z	-.008	1.083
7	MP BETA1	X	.005	6.917
8	MP BETA1	X	.005	1.083
9	MP GAMMA1	Z	-.011	6.917
10	MP GAMMA1	Z	-.011	1.083
11	MP GAMMA1	X	.006	6.917
12	MP GAMMA1	X	.006	1.083
13	MP ALPHA1	Z	-.003	5
14	MP ALPHA1	X	.002	5
15	MP BETA1	Z	-.002	5
16	MP BETA1	X	.001	5
17	MP GAMMA1	Z	-.003	5
18	MP GAMMA1	X	.002	5
19	MP ALPHA1	Z	-.001	5
20	MP ALPHA1	X	.000861	5
21	MP BETA1	Z	-.001	5
22	MP BETA1	X	.000861	5
23	MP GAMMA1	Z	-.001	5
24	MP GAMMA1	X	.000861	5
25	MP ALPHA1	Z	-.003	5
26	MP ALPHA1	X	.002	5
27	MP BETA1	Z	-.002	5
28	MP BETA1	X	.001	5
29	MP GAMMA1	Z	-.003	5
30	MP GAMMA1	X	.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.005	6.917
2	MP ALPHA1	Z	-.005	1.083
3	MP ALPHA1	X	.009	6.917
4	MP ALPHA1	X	.009	1.083
5	MP BETA1	Z	-.004	6.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP BETA1	Z	-.004	1.083
7	MP BETA1	X	.007	6.917
8	MP BETA1	X	.007	1.083
9	MP GAMMA1	Z	-.008	6.917
10	MP GAMMA1	Z	-.008	1.083
11	MP GAMMA1	X	.015	6.917
12	MP GAMMA1	X	.015	1.083
13	MP ALPHA1	Z	-.002	5
14	MP ALPHA1	X	.003	5
15	MP BETA1	Z	-.002	5
16	MP BETA1	X	.003	5
17	MP GAMMA1	Z	-.002	5
18	MP GAMMA1	X	.003	5
19	MP ALPHA1	Z	-.000861	5
20	MP ALPHA1	X	.001	5
21	MP BETA1	Z	-.000861	5
22	MP BETA1	X	.001	5
23	MP GAMMA1	Z	-.000861	5
24	MP GAMMA1	X	.001	5
25	MP ALPHA1	Z	-.001	5
26	MP ALPHA1	X	.002	5
27	MP BETA1	Z	-.001	5
28	MP BETA1	X	.002	5
29	MP GAMMA1	Z	-.002	5
30	MP GAMMA1	X	.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.008	6.917
2	MP ALPHA1	X	.008	1.083
3	MP BETA1	X	.012	6.917
4	MP BETA1	X	.012	1.083
5	MP GAMMA1	X	.018	6.917
6	MP GAMMA1	X	.018	1.083
7	MP ALPHA1	X	.003	5
8	MP BETA1	X	.004	5
9	MP GAMMA1	X	.004	5
10	MP ALPHA1	X	.002	5
11	MP BETA1	X	.002	5
12	MP GAMMA1	X	.002	5
13	MP ALPHA1	X	.003	5
14	MP BETA1	X	.003	5
15	MP GAMMA1	X	.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.005	6.917
2	MP ALPHA1	Z	.005	1.083
3	MP ALPHA1	X	.009	6.917
4	MP ALPHA1	X	.009	1.083
5	MP BETA1	Z	.008	6.917
6	MP BETA1	Z	.008	1.083
7	MP BETA1	X	.015	6.917
8	MP BETA1	X	.015	1.083
9	MP GAMMA1	Z	.007	6.917
10	MP GAMMA1	Z	.007	1.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP GAMMA1	X	.012	6.917
12	MP GAMMA1	X	.012	1.083
13	MP ALPHA1	Z	.002	5
14	MP ALPHA1	X	.003	5
15	MP BETA1	Z	.002	5
16	MP BETA1	X	.003	5
17	MP GAMMA1	Z	.002	5
18	MP GAMMA1	X	.003	5
19	MP ALPHA1	Z	.000861	5
20	MP ALPHA1	X	.001	5
21	MP BETA1	Z	.000861	5
22	MP BETA1	X	.001	5
23	MP GAMMA1	Z	.000861	5
24	MP GAMMA1	X	.001	5
25	MP ALPHA1	Z	.001	5
26	MP ALPHA1	X	.002	5
27	MP BETA1	Z	.002	5
28	MP BETA1	X	.003	5
29	MP GAMMA1	Z	.001	5
30	MP GAMMA1	X	.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.014	6.917
2	MP ALPHA1	Z	.014	1.083
3	MP ALPHA1	X	.008	6.917
4	MP ALPHA1	X	.008	1.083
5	MP BETA1	Z	.015	6.917
6	MP BETA1	Z	.015	1.083
7	MP BETA1	X	.009	6.917
8	MP BETA1	X	.009	1.083
9	MP GAMMA1	Z	.008	6.917
10	MP GAMMA1	Z	.008	1.083
11	MP GAMMA1	X	.005	6.917
12	MP GAMMA1	X	.005	1.083
13	MP ALPHA1	Z	.003	5
14	MP ALPHA1	X	.002	5
15	MP BETA1	Z	.003	5
16	MP BETA1	X	.002	5
17	MP GAMMA1	Z	.002	5
18	MP GAMMA1	X	.001	5
19	MP ALPHA1	Z	.001	5
20	MP ALPHA1	X	.000861	5
21	MP BETA1	Z	.001	5
22	MP BETA1	X	.000861	5
23	MP GAMMA1	Z	.001	5
24	MP GAMMA1	X	.000861	5
25	MP ALPHA1	Z	.003	5
26	MP ALPHA1	X	.002	5
27	MP BETA1	Z	.003	5
28	MP BETA1	X	.002	5
29	MP GAMMA1	Z	.002	5
30	MP GAMMA1	X	.001	5

Member Point Loads (BLC 27 : Ice Dead Load)

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

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.117	6.917
2	MP ALPHA1	Y	-.117	1.083
3	MP BETA1	Y	-.117	6.917
4	MP BETA1	Y	-.117	1.083
5	MP GAMMA1	Y	-.117	6.917
6	MP GAMMA1	Y	-.117	1.083
7	MP ALPHA1	Y	-.046	5
8	MP BETA1	Y	-.046	5
9	MP GAMMA1	Y	-.046	5
10	MP ALPHA1	Y	-.053	5
11	MP BETA1	Y	-.053	5
12	MP GAMMA1	Y	-.053	5
13	MP ALPHA1	Y	-.044	5
14	MP BETA1	Y	-.044	5
15	MP GAMMA1	Y	-.044	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.033	6.917
2	MP ALPHA1	Z	.033	1.083
3	MP BETA1	Z	.032	6.917
4	MP BETA1	Z	.032	1.083
5	MP GAMMA1	Z	.013	6.917
6	MP GAMMA1	Z	.013	1.083
7	MP ALPHA1	Z	.009	5
8	MP BETA1	Z	.007	5
9	MP GAMMA1	Z	.007	5
10	MP ALPHA1	Z	.009	5
11	MP BETA1	Z	.009	5
12	MP GAMMA1	Z	.009	5
13	MP ALPHA1	Z	.007	5
14	MP BETA1	Z	.006	5
15	MP GAMMA1	Z	.006	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.025	6.917
2	MP ALPHA1	Z	.025	1.083
3	MP ALPHA1	X	-.014	6.917
4	MP ALPHA1	X	-.014	1.083
5	MP BETA1	Z	.018	6.917
6	MP BETA1	Z	.018	1.083
7	MP BETA1	X	-.01	6.917
8	MP BETA1	X	-.01	1.083
9	MP GAMMA1	Z	.015	6.917
10	MP GAMMA1	Z	.015	1.083
11	MP GAMMA1	X	-.009	6.917
12	MP GAMMA1	X	-.009	1.083
13	MP ALPHA1	Z	.007	5
14	MP ALPHA1	X	-.004	5
15	MP BETA1	Z	.006	5
16	MP BETA1	X	-.003	5
17	MP GAMMA1	Z	.007	5
18	MP GAMMA1	X	-.004	5
19	MP ALPHA1	Z	.008	5
20	MP ALPHA1	X	-.004	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
21	MP BETA1	Z	.008	5
22	MP BETA1	X	-.004	5
23	MP GAMMA1	Z	.008	5
24	MP GAMMA1	X	-.004	5
25	MP ALPHA1	Z	.006	5
26	MP ALPHA1	X	-.004	5
27	MP BETA1	Z	.005	5
28	MP BETA1	X	-.003	5
29	MP GAMMA1	Z	.006	5
30	MP GAMMA1	X	-.004	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.01	6.917
2	MP ALPHA1	Z	.01	1.083
3	MP ALPHA1	X	-.018	6.917
4	MP ALPHA1	X	-.018	1.083
5	MP BETA1	Z	.007	6.917
6	MP BETA1	Z	.007	1.083
7	MP BETA1	X	-.012	6.917
8	MP BETA1	X	-.012	1.083
9	MP GAMMA1	Z	.014	6.917
10	MP GAMMA1	Z	.014	1.083
11	MP GAMMA1	X	-.025	6.917
12	MP GAMMA1	X	-.025	1.083
13	MP ALPHA1	Z	.003	5
14	MP ALPHA1	X	-.006	5
15	MP BETA1	Z	.003	5
16	MP BETA1	X	-.006	5
17	MP GAMMA1	Z	.004	5
18	MP GAMMA1	X	-.007	5
19	MP ALPHA1	Z	.004	5
20	MP ALPHA1	X	-.008	5
21	MP BETA1	Z	.004	5
22	MP BETA1	X	-.008	5
23	MP GAMMA1	Z	.004	5
24	MP GAMMA1	X	-.008	5
25	MP ALPHA1	Z	.003	5
26	MP ALPHA1	X	-.006	5
27	MP BETA1	Z	.003	5
28	MP BETA1	X	-.006	5
29	MP GAMMA1	Z	.004	5
30	MP GAMMA1	X	-.006	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.017	6.917
2	MP ALPHA1	X	-.017	1.083
3	MP BETA1	X	-.018	6.917
4	MP BETA1	X	-.018	1.083
5	MP GAMMA1	X	-.036	6.917
6	MP GAMMA1	X	-.036	1.083
7	MP ALPHA1	X	-.006	5
8	MP BETA1	X	-.008	5
9	MP GAMMA1	X	-.008	5
10	MP ALPHA1	X	-.009	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP BETA1	X	-.009	5
12	MP GAMMA1	X	-.009	5
13	MP ALPHA1	X	-.006	5
14	MP BETA1	X	-.007	5
15	MP GAMMA1	X	-.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.01	6.917
2	MP ALPHA1	Z	-.01	1.083
3	MP ALPHA1	X	-.018	6.917
4	MP ALPHA1	X	-.018	1.083
5	MP BETA1	Z	-.014	6.917
6	MP BETA1	Z	-.014	1.083
7	MP BETA1	X	-.025	6.917
8	MP BETA1	X	-.025	1.083
9	MP GAMMA1	Z	-.016	6.917
10	MP GAMMA1	Z	-.016	1.083
11	MP GAMMA1	X	-.027	6.917
12	MP GAMMA1	X	-.027	1.083
13	MP ALPHA1	Z	-.003	5
14	MP ALPHA1	X	-.006	5
15	MP BETA1	Z	-.004	5
16	MP BETA1	X	-.007	5
17	MP GAMMA1	Z	-.003	5
18	MP GAMMA1	X	-.006	5
19	MP ALPHA1	Z	-.004	5
20	MP ALPHA1	X	-.008	5
21	MP BETA1	Z	-.004	5
22	MP BETA1	X	-.008	5
23	MP GAMMA1	Z	-.004	5
24	MP GAMMA1	X	-.008	5
25	MP ALPHA1	Z	-.003	5
26	MP ALPHA1	X	-.006	5
27	MP BETA1	Z	-.004	5
28	MP BETA1	X	-.006	5
29	MP GAMMA1	Z	-.003	5
30	MP GAMMA1	X	-.006	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.025	6.917
2	MP ALPHA1	Z	-.025	1.083
3	MP ALPHA1	X	-.014	6.917
4	MP ALPHA1	X	-.014	1.083
5	MP BETA1	Z	-.031	6.917
6	MP BETA1	Z	-.031	1.083
7	MP BETA1	X	-.018	6.917
8	MP BETA1	X	-.018	1.083
9	MP GAMMA1	Z	-.018	6.917
10	MP GAMMA1	Z	-.018	1.083
11	MP GAMMA1	X	-.01	6.917
12	MP GAMMA1	X	-.01	1.083
13	MP ALPHA1	Z	-.007	5
14	MP ALPHA1	X	-.004	5
15	MP BETA1	Z	-.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP BETA1	X	-.004	5
17	MP GAMMA1	Z	-.006	5
18	MP GAMMA1	X	-.003	5
19	MP ALPHA1	Z	-.008	5
20	MP ALPHA1	X	-.004	5
21	MP BETA1	Z	-.008	5
22	MP BETA1	X	-.004	5
23	MP GAMMA1	Z	-.008	5
24	MP GAMMA1	X	-.004	5
25	MP ALPHA1	Z	-.006	5
26	MP ALPHA1	X	-.004	5
27	MP BETA1	Z	-.006	5
28	MP BETA1	X	-.004	5
29	MP GAMMA1	Z	-.005	5
30	MP GAMMA1	X	-.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.033	6.917
2	MP ALPHA1	Z	-.033	1.083
3	MP BETA1	Z	-.032	6.917
4	MP BETA1	Z	-.032	1.083
5	MP GAMMA1	Z	-.013	6.917
6	MP GAMMA1	Z	-.013	1.083
7	MP ALPHA1	Z	-.009	5
8	MP BETA1	Z	-.007	5
9	MP GAMMA1	Z	-.007	5
10	MP ALPHA1	Z	-.009	5
11	MP BETA1	Z	-.009	5
12	MP GAMMA1	Z	-.009	5
13	MP ALPHA1	Z	-.007	5
14	MP BETA1	Z	-.006	5
15	MP GAMMA1	Z	-.006	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.025	6.917
2	MP ALPHA1	Z	-.025	1.083
3	MP ALPHA1	X	.014	6.917
4	MP ALPHA1	X	.014	1.083
5	MP BETA1	Z	-.018	6.917
6	MP BETA1	Z	-.018	1.083
7	MP BETA1	X	.01	6.917
8	MP BETA1	X	.01	1.083
9	MP GAMMA1	Z	-.015	6.917
10	MP GAMMA1	Z	-.015	1.083
11	MP GAMMA1	X	.009	6.917
12	MP GAMMA1	X	.009	1.083
13	MP ALPHA1	Z	-.007	5
14	MP ALPHA1	X	.004	5
15	MP BETA1	Z	-.006	5
16	MP BETA1	X	.003	5
17	MP GAMMA1	Z	-.007	5
18	MP GAMMA1	X	.004	5
19	MP ALPHA1	Z	-.008	5
20	MP ALPHA1	X	.004	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
21	MP BETA1	Z	-.008	5
22	MP BETA1	X	.004	5
23	MP GAMMA1	Z	-.008	5
24	MP GAMMA1	X	.004	5
25	MP ALPHA1	Z	-.006	5
26	MP ALPHA1	X	.004	5
27	MP BETA1	Z	-.005	5
28	MP BETA1	X	.003	5
29	MP GAMMA1	Z	-.006	5
30	MP GAMMA1	X	.004	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.01	6.917
2	MP ALPHA1	Z	-.01	1.083
3	MP ALPHA1	X	.018	6.917
4	MP ALPHA1	X	.018	1.083
5	MP BETA1	Z	-.007	6.917
6	MP BETA1	Z	-.007	1.083
7	MP BETA1	X	.012	6.917
8	MP BETA1	X	.012	1.083
9	MP GAMMA1	Z	-.014	6.917
10	MP GAMMA1	Z	-.014	1.083
11	MP GAMMA1	X	.025	6.917
12	MP GAMMA1	X	.025	1.083
13	MP ALPHA1	Z	-.003	5
14	MP ALPHA1	X	.006	5
15	MP BETA1	Z	-.003	5
16	MP BETA1	X	.006	5
17	MP GAMMA1	Z	-.004	5
18	MP GAMMA1	X	.007	5
19	MP ALPHA1	Z	-.004	5
20	MP ALPHA1	X	.008	5
21	MP BETA1	Z	-.004	5
22	MP BETA1	X	.008	5
23	MP GAMMA1	Z	-.004	5
24	MP GAMMA1	X	.008	5
25	MP ALPHA1	Z	-.003	5
26	MP ALPHA1	X	.006	5
27	MP BETA1	Z	-.003	5
28	MP BETA1	X	.006	5
29	MP GAMMA1	Z	-.004	5
30	MP GAMMA1	X	.006	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.017	6.917
2	MP ALPHA1	X	.017	1.083
3	MP BETA1	X	.018	6.917
4	MP BETA1	X	.018	1.083
5	MP GAMMA1	X	.036	6.917
6	MP GAMMA1	X	.036	1.083
7	MP ALPHA1	X	.006	5
8	MP BETA1	X	.008	5
9	MP GAMMA1	X	.008	5
10	MP ALPHA1	X	.009	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
11	MP BETA1	X	.009	5
12	MP GAMMA1	X	.009	5
13	MP ALPHA1	X	.006	5
14	MP BETA1	X	.007	5
15	MP GAMMA1	X	.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.01	6.917
2	MP ALPHA1	Z	.01	1.083
3	MP ALPHA1	X	.018	6.917
4	MP ALPHA1	X	.018	1.083
5	MP BETA1	Z	.014	6.917
6	MP BETA1	Z	.014	1.083
7	MP BETA1	X	.025	6.917
8	MP BETA1	X	.025	1.083
9	MP GAMMA1	Z	.016	6.917
10	MP GAMMA1	Z	.016	1.083
11	MP GAMMA1	X	.027	6.917
12	MP GAMMA1	X	.027	1.083
13	MP ALPHA1	Z	.003	5
14	MP ALPHA1	X	.006	5
15	MP BETA1	Z	.004	5
16	MP BETA1	X	.007	5
17	MP GAMMA1	Z	.003	5
18	MP GAMMA1	X	.006	5
19	MP ALPHA1	Z	.004	5
20	MP ALPHA1	X	.008	5
21	MP BETA1	Z	.004	5
22	MP BETA1	X	.008	5
23	MP GAMMA1	Z	.004	5
24	MP GAMMA1	X	.008	5
25	MP ALPHA1	Z	.003	5
26	MP ALPHA1	X	.006	5
27	MP BETA1	Z	.004	5
28	MP BETA1	X	.006	5
29	MP GAMMA1	Z	.003	5
30	MP GAMMA1	X	.006	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.025	6.917
2	MP ALPHA1	Z	.025	1.083
3	MP ALPHA1	X	.014	6.917
4	MP ALPHA1	X	.014	1.083
5	MP BETA1	Z	.031	6.917
6	MP BETA1	Z	.031	1.083
7	MP BETA1	X	.018	6.917
8	MP BETA1	X	.018	1.083
9	MP GAMMA1	Z	.018	6.917
10	MP GAMMA1	Z	.018	1.083
11	MP GAMMA1	X	.01	6.917
12	MP GAMMA1	X	.01	1.083
13	MP ALPHA1	Z	.007	5
14	MP ALPHA1	X	.004	5
15	MP BETA1	Z	.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
16	MP BETA1	X	.004	5
17	MP GAMMA1	Z	.006	5
18	MP GAMMA1	X	.003	5
19	MP ALPHA1	Z	.008	5
20	MP ALPHA1	X	.004	5
21	MP BETA1	Z	.008	5
22	MP BETA1	X	.004	5
23	MP GAMMA1	Z	.008	5
24	MP GAMMA1	X	.004	5
25	MP ALPHA1	Z	.006	5
26	MP ALPHA1	X	.004	5
27	MP BETA1	Z	.006	5
28	MP BETA1	X	.004	5
29	MP GAMMA1	Z	.005	5
30	MP GAMMA1	X	.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.005	6.917
2	MP ALPHA1	X	-.005	1.083
3	MP BETA1	X	-.005	6.917
4	MP BETA1	X	-.005	1.083
5	MP GAMMA1	X	-.005	6.917
6	MP GAMMA1	X	-.005	1.083
7	MP ALPHA1	X	-.008	5
8	MP BETA1	X	-.008	5
9	MP GAMMA1	X	-.008	5
10	MP ALPHA1	X	-.002	5
11	MP BETA1	X	-.002	5
12	MP GAMMA1	X	-.002	5
13	MP ALPHA1	X	-.008	5
14	MP BETA1	X	-.008	5
15	MP GAMMA1	X	-.008	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.002	6.917
2	MP ALPHA1	Y	-.002	1.083
3	MP BETA1	Y	-.002	6.917
4	MP BETA1	Y	-.002	1.083
5	MP GAMMA1	Y	-.002	6.917
6	MP GAMMA1	Y	-.002	1.083
7	MP ALPHA1	Y	-.003	5
8	MP BETA1	Y	-.003	5
9	MP GAMMA1	Y	-.003	5
10	MP ALPHA1	Y	-.000806	5
11	MP BETA1	Y	-.000806	5
12	MP GAMMA1	Y	-.000806	5
13	MP ALPHA1	Y	-.003	5
14	MP BETA1	Y	-.003	5
15	MP GAMMA1	Y	-.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.005	6.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
2	MP ALPHA1	Z	.005	1.083
3	MP BETA1	Z	.005	6.917
4	MP BETA1	Z	.005	1.083
5	MP GAMMA1	Z	.005	6.917
6	MP GAMMA1	Z	.005	1.083
7	MP ALPHA1	Z	.008	5
8	MP BETA1	Z	.008	5
9	MP GAMMA1	Z	.008	5
10	MP ALPHA1	Z	.002	5
11	MP BETA1	Z	.002	5
12	MP GAMMA1	Z	.002	5
13	MP ALPHA1	Z	.008	5
14	MP BETA1	Z	.008	5
15	MP GAMMA1	Z	.008	5

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.003	.003	0	0
2	SUPP ALPHA	PZ	.008	.008	0	0
3	SO2 ALPHA	PZ	.005	.005	0	0
4	SO1 ALPHA	PZ	.005	.005	0	0
5	SO VERT1 ALPHA	PZ	.003	.003	0	0
6	SO PLATE4 ALPHA	PZ	.01	.01	0	0
7	SO PLATE3 ALPHA	PZ	.01	.01	0	0
8	SO PLATE2 ALPHA	PZ	.01	.01	0	0
9	SO PLATE1 ALPHA	PZ	.01	.01	0	0
10	MP ALPHA1	PZ	.007	.007	0	0
11	CONNECTION2 ALPHA	PZ	.012	.012	0	0
12	CONNECTION1 ALPHA	PZ	.012	.012	0	0
13	TIEBACK BETA	PZ	.001	.001	0	0
14	SUPP BETA	PZ	.004	.004	0	0
15	SO2 BETA	PZ	.002	.002	0	0
16	SO1 BETA	PZ	.002	.002	0	0
17	SO VERT1 BETA	PZ	.001	.001	0	0
18	SO PLATE4 BETA	PZ	.005	.005	0	0
19	SO PLATE3 BETA	PZ	.005	.005	0	0
20	SO PLATE2 BETA	PZ	.005	.005	0	0
21	SO PLATE1 BETA	PZ	.005	.005	0	0
22	MP BETA1	PZ	.004	.004	0	0
23	CONNECTION2 BETA	PZ	.006	.006	0	0
24	CONNECTION1 BETA	PZ	.006	.006	0	0
25	TIEBACK GAMMA	PZ	.001	.001	0	0
26	SUPP GAMMA	PZ	.004	.004	0	0
27	SO2 GAMMA	PZ	.002	.002	0	0
28	SO1 GAMMA	PZ	.002	.002	0	0
29	SO VERT1 GAMMA	PZ	.001	.001	0	0
30	SO PLATE4 GAMMA	PZ	.005	.005	0	0
31	SO PLATE3 GAMMA	PZ	.005	.005	0	0
32	SO PLATE2 GAMMA	PZ	.005	.005	0	0
33	SO PLATE1 GAMMA	PZ	.005	.005	0	0
34	MP GAMMA1	PZ	.004	.004	0	0
35	CONNECTION2 GAMMA	PZ	.006	.006	0	0
36	CONNECTION1 GAMMA	PZ	.006	.006	0	0
37	TIEBACK BETA	PX	.002	.002	0	0
38	SUPP BETA	PX	.007	.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
39	SO2 BETA	PX	.004	.004	0	0
40	SO1 BETA	PX	.004	.004	0	0
41	SO VERT1 BETA	PX	.002	.002	0	0
42	SO PLATE4 BETA	PX	.009	.009	0	0
43	SO PLATE3 BETA	PX	.009	.009	0	0
44	SO PLATE2 BETA	PX	.009	.009	0	0
45	SO PLATE1 BETA	PX	.009	.009	0	0
46	MP BETA1	PX	.006	.006	0	0
47	CONNECTION2 BETA	PX	.011	.011	0	0
48	CONNECTION1 BETA	PX	.011	.011	0	0
49	TIEBACK GAMMA	PX	-.002	-.002	0	0
50	SUPP GAMMA	PX	-.007	-.007	0	0
51	SO2 GAMMA	PX	-.004	-.004	0	0
52	SO1 GAMMA	PX	-.004	-.004	0	0
53	SO VERT1 GAMMA	PX	-.002	-.002	0	0
54	SO PLATE4 GAMMA	PX	-.009	-.009	0	0
55	SO PLATE3 GAMMA	PX	-.009	-.009	0	0
56	SO PLATE2 GAMMA	PX	-.009	-.009	0	0
57	SO PLATE1 GAMMA	PX	-.009	-.009	0	0
58	MP GAMMA1	PX	-.006	-.006	0	0
59	CONNECTION2 GAMMA	PX	-.011	-.011	0	0
60	CONNECTION1 GAMMA	PX	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.002	.002	0	0
2	SUPP ALPHA	PZ	.007	.007	0	0
3	SO2 ALPHA	PZ	.004	.004	0	0
4	SO1 ALPHA	PZ	.004	.004	0	0
5	SO VERT1 ALPHA	PZ	.002	.002	0	0
6	SO PLATE4 ALPHA	PZ	.009	.009	0	0
7	SO PLATE3 ALPHA	PZ	.009	.009	0	0
8	SO PLATE2 ALPHA	PZ	.009	.009	0	0
9	SO PLATE1 ALPHA	PZ	.009	.009	0	0
10	MP ALPHA1	PZ	.006	.006	0	0
11	CONNECTION2 ALPHA	PZ	.011	.011	0	0
12	CONNECTION1 ALPHA	PZ	.011	.011	0	0
13	TIEBACK BETA	PX	-.002	-.002	0	0
14	SUPP BETA	PX	-.007	-.007	0	0
15	SO2 BETA	PX	-.01	-.01	0	0
16	SO1 BETA	PX	-.01	-.01	0	0
17	SO VERT1 BETA	PX	-.005	-.005	0	0
18	SO PLATE4 BETA	PX	-.01	-.01	0	0
19	SO PLATE3 BETA	PX	-.01	-.01	0	0
20	SO PLATE2 BETA	PX	-.01	-.01	0	0
21	SO PLATE1 BETA	PX	-.01	-.01	0	0
22	MP BETA1	PX	-.007	-.007	0	0
23	CONNECTION2 BETA	PX	-.012	-.012	0	0
24	CONNECTION1 BETA	PX	-.012	-.012	0	0
25	TIEBACK GAMMA	PZ	.002	.002	0	0
26	SUPP GAMMA	PZ	.007	.007	0	0
27	SO2 GAMMA	PZ	.004	.004	0	0
28	SO1 GAMMA	PZ	.004	.004	0	0
29	SO VERT1 GAMMA	PZ	.002	.002	0	0
30	SO PLATE4 GAMMA	PZ	.009	.009	0	0
31	SO PLATE3 GAMMA	PZ	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
32	SO PLATE2 GAMMA	PZ	.009	.009	0	0
33	SO PLATE1 GAMMA	PZ	.009	.009	0	0
34	MP GAMMA1	PZ	.006	.006	0	0
35	CONNECTION2 GAMMA	PZ	.011	.011	0	0
36	CONNECTION1 GAMMA	PZ	.011	.011	0	0
37	TIEBACK ALPHA	PX	-.001	-.001	0	0
38	SUPP ALPHA	PX	-.004	-.004	0	0
39	SO2 ALPHA	PX	-.002	-.002	0	0
40	SO1 ALPHA	PX	-.002	-.002	0	0
41	SO VERT1 ALPHA	PX	-.001	-.001	0	0
42	SO PLATE4 ALPHA	PX	-.005	-.005	0	0
43	SO PLATE3 ALPHA	PX	-.005	-.005	0	0
44	SO PLATE2 ALPHA	PX	-.005	-.005	0	0
45	SO PLATE1 ALPHA	PX	-.005	-.005	0	0
46	MP ALPHA1	PX	-.004	-.004	0	0
47	CONNECTION2 ALPHA	PX	-.006	-.006	0	0
48	CONNECTION1 ALPHA	PX	-.006	-.006	0	0
49	TIEBACK GAMMA	PX	-.001	-.001	0	0
50	SUPP GAMMA	PX	-.004	-.004	0	0
51	SO2 GAMMA	PX	-.002	-.002	0	0
52	SO1 GAMMA	PX	-.002	-.002	0	0
53	SO VERT1 GAMMA	PX	-.001	-.001	0	0
54	SO PLATE4 GAMMA	PX	-.005	-.005	0	0
55	SO PLATE3 GAMMA	PX	-.005	-.005	0	0
56	SO PLATE2 GAMMA	PX	-.005	-.005	0	0
57	SO PLATE1 GAMMA	PX	-.005	-.005	0	0
58	MP GAMMA1	PX	-.004	-.004	0	0
59	CONNECTION2 GAMMA	PX	-.006	-.006	0	0
60	CONNECTION1 GAMMA	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.001	.001	0	0
2	SUPP ALPHA	PZ	.004	.004	0	0
3	SO2 ALPHA	PZ	.002	.002	0	0
4	SO1 ALPHA	PZ	.002	.002	0	0
5	SO VERT1 ALPHA	PZ	.001	.001	0	0
6	SO PLATE4 ALPHA	PZ	.005	.005	0	0
7	SO PLATE3 ALPHA	PZ	.005	.005	0	0
8	SO PLATE2 ALPHA	PZ	.005	.005	0	0
9	SO PLATE1 ALPHA	PZ	.005	.005	0	0
10	MP ALPHA1	PZ	.004	.004	0	0
11	CONNECTION2 ALPHA	PZ	.006	.006	0	0
12	CONNECTION1 ALPHA	PZ	.006	.006	0	0
13	TIEBACK BETA	PZ	.001	.001	0	0
14	SUPP BETA	PZ	.004	.004	0	0
15	SO2 BETA	PZ	.002	.002	0	0
16	SO1 BETA	PZ	.002	.002	0	0
17	SO VERT1 BETA	PZ	.001	.001	0	0
18	SO PLATE4 BETA	PZ	.005	.005	0	0
19	SO PLATE3 BETA	PZ	.005	.005	0	0
20	SO PLATE2 BETA	PZ	.005	.005	0	0
21	SO PLATE1 BETA	PZ	.005	.005	0	0
22	MP BETA1	PZ	.004	.004	0	0
23	CONNECTION2 BETA	PZ	.006	.006	0	0
24	CONNECTION1 BETA	PZ	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
25	TIEBACK GAMMA	PZ	.003	.003	0	0
26	SUPP GAMMA	PZ	.008	.008	0	0
27	SO2 GAMMA	PZ	.005	.005	0	0
28	SO1 GAMMA	PZ	.005	.005	0	0
29	SO VERT1 GAMMA	PZ	.003	.003	0	0
30	SO PLATE4 GAMMA	PZ	.01	.01	0	0
31	SO PLATE3 GAMMA	PZ	.01	.01	0	0
32	SO PLATE2 GAMMA	PZ	.01	.01	0	0
33	SO PLATE1 GAMMA	PZ	.01	.01	0	0
34	MP GAMMA1	PZ	.007	.007	0	0
35	CONNECTION2 GAMMA	PZ	.012	.012	0	0
36	CONNECTION1 GAMMA	PZ	.012	.012	0	0
37	TIEBACK ALPHA	PX	-.002	-.002	0	0
38	SUPP ALPHA	PX	-.007	-.007	0	0
39	SO2 ALPHA	PX	-.004	-.004	0	0
40	SO1 ALPHA	PX	-.004	-.004	0	0
41	SO VERT1 ALPHA	PX	-.002	-.002	0	0
42	SO PLATE4 ALPHA	PX	-.009	-.009	0	0
43	SO PLATE3 ALPHA	PX	-.009	-.009	0	0
44	SO PLATE2 ALPHA	PX	-.009	-.009	0	0
45	SO PLATE1 ALPHA	PX	-.009	-.009	0	0
46	MP ALPHA1	PX	-.006	-.006	0	0
47	CONNECTION2 ALPHA	PX	-.011	-.011	0	0
48	CONNECTION1 ALPHA	PX	-.011	-.011	0	0
49	TIEBACK BETA	PX	-.002	-.002	0	0
50	SUPP BETA	PX	-.007	-.007	0	0
51	SO2 BETA	PX	-.004	-.004	0	0
52	SO1 BETA	PX	-.004	-.004	0	0
53	SO VERT1 BETA	PX	-.002	-.002	0	0
54	SO PLATE4 BETA	PX	-.009	-.009	0	0
55	SO PLATE3 BETA	PX	-.009	-.009	0	0
56	SO PLATE2 BETA	PX	-.009	-.009	0	0
57	SO PLATE1 BETA	PX	-.009	-.009	0	0
58	MP BETA1	PX	-.006	-.006	0	0
59	CONNECTION2 BETA	PX	-.011	-.011	0	0
60	CONNECTION1 BETA	PX	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	-.002	-.002	0	0
2	SUPP ALPHA	PX	-.007	-.007	0	0
3	SO2 ALPHA	PX	-.01	-.01	0	0
4	SO1 ALPHA	PX	-.01	-.01	0	0
5	SO VERT1 ALPHA	PX	-.005	-.005	0	0
6	SO PLATE4 ALPHA	PX	-.01	-.01	0	0
7	SO PLATE3 ALPHA	PX	-.01	-.01	0	0
8	SO PLATE2 ALPHA	PX	-.01	-.01	0	0
9	SO PLATE1 ALPHA	PX	-.01	-.01	0	0
10	MP ALPHA1	PX	-.007	-.007	0	0
11	CONNECTION2 ALPHA	PX	-.012	-.012	0	0
12	CONNECTION1 ALPHA	PX	-.012	-.012	0	0
13	TIEBACK BETA	PZ	-.002	-.002	0	0
14	SUPP BETA	PZ	-.007	-.007	0	0
15	SO2 BETA	PZ	-.004	-.004	0	0
16	SO1 BETA	PZ	-.004	-.004	0	0
17	SO VERT1 BETA	PZ	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
18	SO PLATE4 BETA	PZ	-.009	-.009	0	0
19	SO PLATE3 BETA	PZ	-.009	-.009	0	0
20	SO PLATE2 BETA	PZ	-.009	-.009	0	0
21	SO PLATE1 BETA	PZ	-.009	-.009	0	0
22	MP BETA1	PZ	-.006	-.006	0	0
23	CONNECTION2 BETA	PZ	-.011	-.011	0	0
24	CONNECTION1 BETA	PZ	-.011	-.011	0	0
25	TIEBACK GAMMA	PZ	.002	.002	0	0
26	SUPP GAMMA	PZ	.007	.007	0	0
27	SO2 GAMMA	PZ	.004	.004	0	0
28	SO1 GAMMA	PZ	.004	.004	0	0
29	SO VERT1 GAMMA	PZ	.002	.002	0	0
30	SO PLATE4 GAMMA	PZ	.009	.009	0	0
31	SO PLATE3 GAMMA	PZ	.009	.009	0	0
32	SO PLATE2 GAMMA	PZ	.009	.009	0	0
33	SO PLATE1 GAMMA	PZ	.009	.009	0	0
34	MP GAMMA1	PZ	.006	.006	0	0
35	CONNECTION2 GAMMA	PZ	.011	.011	0	0
36	CONNECTION1 GAMMA	PZ	.011	.011	0	0
37	TIEBACK BETA	PX	-.001	-.001	0	0
38	SUPP BETA	PX	-.004	-.004	0	0
39	SO2 BETA	PX	-.002	-.002	0	0
40	SO1 BETA	PX	-.002	-.002	0	0
41	SO VERT1 BETA	PX	-.001	-.001	0	0
42	SO PLATE4 BETA	PX	-.005	-.005	0	0
43	SO PLATE3 BETA	PX	-.005	-.005	0	0
44	SO PLATE2 BETA	PX	-.005	-.005	0	0
45	SO PLATE1 BETA	PX	-.005	-.005	0	0
46	MP BETA1	PX	-.004	-.004	0	0
47	CONNECTION2 BETA	PX	-.006	-.006	0	0
48	CONNECTION1 BETA	PX	-.006	-.006	0	0
49	TIEBACK GAMMA	PX	-.001	-.001	0	0
50	SUPP GAMMA	PX	-.004	-.004	0	0
51	SO2 GAMMA	PX	-.002	-.002	0	0
52	SO1 GAMMA	PX	-.002	-.002	0	0
53	SO VERT1 GAMMA	PX	-.001	-.001	0	0
54	SO PLATE4 GAMMA	PX	-.005	-.005	0	0
55	SO PLATE3 GAMMA	PX	-.005	-.005	0	0
56	SO PLATE2 GAMMA	PX	-.005	-.005	0	0
57	SO PLATE1 GAMMA	PX	-.005	-.005	0	0
58	MP GAMMA1	PX	-.004	-.004	0	0
59	CONNECTION2 GAMMA	PX	-.006	-.006	0	0
60	CONNECTION1 GAMMA	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.001	-.001	0	0
2	SUPP ALPHA	PZ	-.004	-.004	0	0
3	SO2 ALPHA	PZ	-.002	-.002	0	0
4	SO1 ALPHA	PZ	-.002	-.002	0	0
5	SO VERT1 ALPHA	PZ	-.001	-.001	0	0
6	SO PLATE4 ALPHA	PZ	-.005	-.005	0	0
7	SO PLATE3 ALPHA	PZ	-.005	-.005	0	0
8	SO PLATE2 ALPHA	PZ	-.005	-.005	0	0
9	SO PLATE1 ALPHA	PZ	-.005	-.005	0	0
10	MP ALPHA1	PZ	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
11	CONNECTION2 ALPHA	PZ	-.006	-.006	0	0
12	CONNECTION1 ALPHA	PZ	-.006	-.006	0	0
13	TIEBACK BETA	PZ	-.003	-.003	0	0
14	SUPP BETA	PZ	-.008	-.008	0	0
15	SO2 BETA	PZ	-.005	-.005	0	0
16	SO1 BETA	PZ	-.005	-.005	0	0
17	SO VERT1 BETA	PZ	-.003	-.003	0	0
18	SO PLATE4 BETA	PZ	-.01	-.01	0	0
19	SO PLATE3 BETA	PZ	-.01	-.01	0	0
20	SO PLATE2 BETA	PZ	-.01	-.01	0	0
21	SO PLATE1 BETA	PZ	-.01	-.01	0	0
22	MP BETA1	PZ	-.007	-.007	0	0
23	CONNECTION2 BETA	PZ	-.012	-.012	0	0
24	CONNECTION1 BETA	PZ	-.012	-.012	0	0
25	TIEBACK GAMMA	PZ	-.001	-.001	0	0
26	SUPP GAMMA	PZ	-.004	-.004	0	0
27	SO2 GAMMA	PZ	-.002	-.002	0	0
28	SO1 GAMMA	PZ	-.002	-.002	0	0
29	SO VERT1 GAMMA	PZ	-.001	-.001	0	0
30	SO PLATE4 GAMMA	PZ	-.005	-.005	0	0
31	SO PLATE3 GAMMA	PZ	-.005	-.005	0	0
32	SO PLATE2 GAMMA	PZ	-.005	-.005	0	0
33	SO PLATE1 GAMMA	PZ	-.005	-.005	0	0
34	MP GAMMA1	PZ	-.004	-.004	0	0
35	CONNECTION2 GAMMA	PZ	-.006	-.006	0	0
36	CONNECTION1 GAMMA	PZ	-.006	-.006	0	0
37	TIEBACK ALPHA	PX	-.002	-.002	0	0
38	SUPP ALPHA	PX	-.007	-.007	0	0
39	SO2 ALPHA	PX	-.004	-.004	0	0
40	SO1 ALPHA	PX	-.004	-.004	0	0
41	SO VERT1 ALPHA	PX	-.002	-.002	0	0
42	SO PLATE4 ALPHA	PX	-.009	-.009	0	0
43	SO PLATE3 ALPHA	PX	-.009	-.009	0	0
44	SO PLATE2 ALPHA	PX	-.009	-.009	0	0
45	SO PLATE1 ALPHA	PX	-.009	-.009	0	0
46	MP ALPHA1	PX	-.006	-.006	0	0
47	CONNECTION2 ALPHA	PX	-.011	-.011	0	0
48	CONNECTION1 ALPHA	PX	-.011	-.011	0	0
49	TIEBACK GAMMA	PX	-.002	-.002	0	0
50	SUPP GAMMA	PX	-.007	-.007	0	0
51	SO2 GAMMA	PX	-.004	-.004	0	0
52	SO1 GAMMA	PX	-.004	-.004	0	0
53	SO VERT1 GAMMA	PX	-.002	-.002	0	0
54	SO PLATE4 GAMMA	PX	-.009	-.009	0	0
55	SO PLATE3 GAMMA	PX	-.009	-.009	0	0
56	SO PLATE2 GAMMA	PX	-.009	-.009	0	0
57	SO PLATE1 GAMMA	PX	-.009	-.009	0	0
58	MP GAMMA1	PX	-.006	-.006	0	0
59	CONNECTION2 GAMMA	PX	-.011	-.011	0	0
60	CONNECTION1 GAMMA	PX	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.002	-.002	0	0
2	SUPP ALPHA	PZ	-.007	-.007	0	0
3	SO2 ALPHA	PZ	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
4	SO1 ALPHA	PZ	-.004	-.004	0	0
5	SO VERT1 ALPHA	PZ	-.002	-.002	0	0
6	SO PLATE4 ALPHA	PZ	-.009	-.009	0	0
7	SO PLATE3 ALPHA	PZ	-.009	-.009	0	0
8	SO PLATE2 ALPHA	PZ	-.009	-.009	0	0
9	SO PLATE1 ALPHA	PZ	-.009	-.009	0	0
10	MP ALPHA1	PZ	-.006	-.006	0	0
11	CONNECTION2 ALPHA	PZ	-.011	-.011	0	0
12	CONNECTION1 ALPHA	PZ	-.011	-.011	0	0
13	TIEBACK BETA	PZ	-.002	-.002	0	0
14	SUPP BETA	PZ	-.007	-.007	0	0
15	SO2 BETA	PZ	-.004	-.004	0	0
16	SO1 BETA	PZ	-.004	-.004	0	0
17	SO VERT1 BETA	PZ	-.002	-.002	0	0
18	SO PLATE4 BETA	PZ	-.009	-.009	0	0
19	SO PLATE3 BETA	PZ	-.009	-.009	0	0
20	SO PLATE2 BETA	PZ	-.009	-.009	0	0
21	SO PLATE1 BETA	PZ	-.009	-.009	0	0
22	MP BETA1	PZ	-.006	-.006	0	0
23	CONNECTION2 BETA	PZ	-.011	-.011	0	0
24	CONNECTION1 BETA	PZ	-.011	-.011	0	0
25	TIEBACK GAMMA	PX	-.002	-.002	0	0
26	SUPP GAMMA	PX	-.007	-.007	0	0
27	SO2 GAMMA	PX	-.01	-.01	0	0
28	SO1 GAMMA	PX	-.01	-.01	0	0
29	SO VERT1 GAMMA	PX	-.005	-.005	0	0
30	SO PLATE4 GAMMA	PX	-.01	-.01	0	0
31	SO PLATE3 GAMMA	PX	-.01	-.01	0	0
32	SO PLATE2 GAMMA	PX	-.01	-.01	0	0
33	SO PLATE1 GAMMA	PX	-.01	-.01	0	0
34	MP GAMMA1	PX	-.007	-.007	0	0
35	CONNECTION2 GAMMA	PX	-.012	-.012	0	0
36	CONNECTION1 GAMMA	PX	-.012	-.012	0	0
37	TIEBACK ALPHA	PX	-.001	-.001	0	0
38	SUPP ALPHA	PX	-.004	-.004	0	0
39	SO2 ALPHA	PX	-.002	-.002	0	0
40	SO1 ALPHA	PX	-.002	-.002	0	0
41	SO VERT1 ALPHA	PX	-.001	-.001	0	0
42	SO PLATE4 ALPHA	PX	-.005	-.005	0	0
43	SO PLATE3 ALPHA	PX	-.005	-.005	0	0
44	SO PLATE2 ALPHA	PX	-.005	-.005	0	0
45	SO PLATE1 ALPHA	PX	-.005	-.005	0	0
46	MP ALPHA1	PX	-.004	-.004	0	0
47	CONNECTION2 ALPHA	PX	-.006	-.006	0	0
48	CONNECTION1 ALPHA	PX	-.006	-.006	0	0
49	TIEBACK BETA	PX	-.001	-.001	0	0
50	SUPP BETA	PX	-.004	-.004	0	0
51	SO2 BETA	PX	-.002	-.002	0	0
52	SO1 BETA	PX	-.002	-.002	0	0
53	SO VERT1 BETA	PX	-.001	-.001	0	0
54	SO PLATE4 BETA	PX	-.005	-.005	0	0
55	SO PLATE3 BETA	PX	-.005	-.005	0	0
56	SO PLATE2 BETA	PX	-.005	-.005	0	0
57	SO PLATE1 BETA	PX	-.005	-.005	0	0
58	MP BETA1	PX	-.004	-.004	0	0
59	CONNECTION2 BETA	PX	-.006	-.006	0	0
60	CONNECTION1 BETA	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.003	-.003	0	0
2	SUPP ALPHA	PZ	-.008	-.008	0	0
3	SO2 ALPHA	PZ	-.005	-.005	0	0
4	SO1 ALPHA	PZ	-.005	-.005	0	0
5	SO VERT1 ALPHA	PZ	-.003	-.003	0	0
6	SO PLATE4 ALPHA	PZ	-.01	-.01	0	0
7	SO PLATE3 ALPHA	PZ	-.01	-.01	0	0
8	SO PLATE2 ALPHA	PZ	-.01	-.01	0	0
9	SO PLATE1 ALPHA	PZ	-.01	-.01	0	0
10	MP ALPHA1	PZ	-.007	-.007	0	0
11	CONNECTION2 ALPHA	PZ	-.012	-.012	0	0
12	CONNECTION1 ALPHA	PZ	-.012	-.012	0	0
13	TIEBACK BETA	PZ	-.001	-.001	0	0
14	SUPP BETA	PZ	-.004	-.004	0	0
15	SO2 BETA	PZ	-.002	-.002	0	0
16	SO1 BETA	PZ	-.002	-.002	0	0
17	SO VERT1 BETA	PZ	-.001	-.001	0	0
18	SO PLATE4 BETA	PZ	-.005	-.005	0	0
19	SO PLATE3 BETA	PZ	-.005	-.005	0	0
20	SO PLATE2 BETA	PZ	-.005	-.005	0	0
21	SO PLATE1 BETA	PZ	-.005	-.005	0	0
22	MP BETA1	PZ	-.004	-.004	0	0
23	CONNECTION2 BETA	PZ	-.006	-.006	0	0
24	CONNECTION1 BETA	PZ	-.006	-.006	0	0
25	TIEBACK GAMMA	PZ	-.001	-.001	0	0
26	SUPP GAMMA	PZ	-.004	-.004	0	0
27	SO2 GAMMA	PZ	-.002	-.002	0	0
28	SO1 GAMMA	PZ	-.002	-.002	0	0
29	SO VERT1 GAMMA	PZ	-.001	-.001	0	0
30	SO PLATE4 GAMMA	PZ	-.005	-.005	0	0
31	SO PLATE3 GAMMA	PZ	-.005	-.005	0	0
32	SO PLATE2 GAMMA	PZ	-.005	-.005	0	0
33	SO PLATE1 GAMMA	PZ	-.005	-.005	0	0
34	MP GAMMA1	PZ	-.004	-.004	0	0
35	CONNECTION2 GAMMA	PZ	-.006	-.006	0	0
36	CONNECTION1 GAMMA	PZ	-.006	-.006	0	0
37	TIEBACK BETA	PX	-.002	-.002	0	0
38	SUPP BETA	PX	-.007	-.007	0	0
39	SO2 BETA	PX	-.004	-.004	0	0
40	SO1 BETA	PX	-.004	-.004	0	0
41	SO VERT1 BETA	PX	-.002	-.002	0	0
42	SO PLATE4 BETA	PX	-.009	-.009	0	0
43	SO PLATE3 BETA	PX	-.009	-.009	0	0
44	SO PLATE2 BETA	PX	-.009	-.009	0	0
45	SO PLATE1 BETA	PX	-.009	-.009	0	0
46	MP BETA1	PX	-.006	-.006	0	0
47	CONNECTION2 BETA	PX	-.011	-.011	0	0
48	CONNECTION1 BETA	PX	-.011	-.011	0	0
49	TIEBACK GAMMA	PX	.002	.002	0	0
50	SUPP GAMMA	PX	.007	.007	0	0
51	SO2 GAMMA	PX	.004	.004	0	0
52	SO1 GAMMA	PX	.004	.004	0	0
53	SO VERT1 GAMMA	PX	.002	.002	0	0
54	SO PLATE4 GAMMA	PX	.009	.009	0	0
55	SO PLATE3 GAMMA	PX	.009	.009	0	0
56	SO PLATE2 GAMMA	PX	.009	.009	0	0
57	SO PLATE1 GAMMA	PX	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
58	MP GAMMA1	PX	.006	.006	0	0
59	CONNECTION2 GAMMA	PX	.011	.011	0	0
60	CONNECTION1 GAMMA	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.002	-.002	0	0
2	SUPP ALPHA	PZ	-.007	-.007	0	0
3	SO2 ALPHA	PZ	-.004	-.004	0	0
4	SO1 ALPHA	PZ	-.004	-.004	0	0
5	SO VERT1 ALPHA	PZ	-.002	-.002	0	0
6	SO PLATE4 ALPHA	PZ	-.009	-.009	0	0
7	SO PLATE3 ALPHA	PZ	-.009	-.009	0	0
8	SO PLATE2 ALPHA	PZ	-.009	-.009	0	0
9	SO PLATE1 ALPHA	PZ	-.009	-.009	0	0
10	MP ALPHA1	PZ	-.006	-.006	0	0
11	CONNECTION2 ALPHA	PZ	-.011	-.011	0	0
12	CONNECTION1 ALPHA	PZ	-.011	-.011	0	0
13	TIEBACK BETA	PX	.002	.002	0	0
14	SUPP BETA	PX	.007	.007	0	0
15	SO2 BETA	PX	.01	.01	0	0
16	SO1 BETA	PX	.01	.01	0	0
17	SO VERT1 BETA	PX	.005	.005	0	0
18	SO PLATE4 BETA	PX	.01	.01	0	0
19	SO PLATE3 BETA	PX	.01	.01	0	0
20	SO PLATE2 BETA	PX	.01	.01	0	0
21	SO PLATE1 BETA	PX	.01	.01	0	0
22	MP BETA1	PX	.007	.007	0	0
23	CONNECTION2 BETA	PX	.012	.012	0	0
24	CONNECTION1 BETA	PX	.012	.012	0	0
25	TIEBACK GAMMA	PZ	-.002	-.002	0	0
26	SUPP GAMMA	PZ	-.007	-.007	0	0
27	SO2 GAMMA	PZ	-.004	-.004	0	0
28	SO1 GAMMA	PZ	-.004	-.004	0	0
29	SO VERT1 GAMMA	PZ	-.002	-.002	0	0
30	SO PLATE4 GAMMA	PZ	-.009	-.009	0	0
31	SO PLATE3 GAMMA	PZ	-.009	-.009	0	0
32	SO PLATE2 GAMMA	PZ	-.009	-.009	0	0
33	SO PLATE1 GAMMA	PZ	-.009	-.009	0	0
34	MP GAMMA1	PZ	-.006	-.006	0	0
35	CONNECTION2 GAMMA	PZ	-.011	-.011	0	0
36	CONNECTION1 GAMMA	PZ	-.011	-.011	0	0
37	TIEBACK ALPHA	PX	.001	.001	0	0
38	SUPP ALPHA	PX	.004	.004	0	0
39	SO2 ALPHA	PX	.002	.002	0	0
40	SO1 ALPHA	PX	.002	.002	0	0
41	SO VERT1 ALPHA	PX	.001	.001	0	0
42	SO PLATE4 ALPHA	PX	.005	.005	0	0
43	SO PLATE3 ALPHA	PX	.005	.005	0	0
44	SO PLATE2 ALPHA	PX	.005	.005	0	0
45	SO PLATE1 ALPHA	PX	.005	.005	0	0
46	MP ALPHA1	PX	.004	.004	0	0
47	CONNECTION2 ALPHA	PX	.006	.006	0	0
48	CONNECTION1 ALPHA	PX	.006	.006	0	0
49	TIEBACK GAMMA	PX	.001	.001	0	0
50	SUPP GAMMA	PX	.004	.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
51	SO2 GAMMA	PX	.002	.002	0	0
52	SO1 GAMMA	PX	.002	.002	0	0
53	SO VERT1 GAMMA	PX	.001	.001	0	0
54	SO PLATE4 GAMMA	PX	.005	.005	0	0
55	SO PLATE3 GAMMA	PX	.005	.005	0	0
56	SO PLATE2 GAMMA	PX	.005	.005	0	0
57	SO PLATE1 GAMMA	PX	.005	.005	0	0
58	MP GAMMA1	PX	.004	.004	0	0
59	CONNECTION2 GAMMA	PX	.006	.006	0	0
60	CONNECTION1 GAMMA	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.001	-.001	0	0
2	SUPP ALPHA	PZ	-.004	-.004	0	0
3	SO2 ALPHA	PZ	-.002	-.002	0	0
4	SO1 ALPHA	PZ	-.002	-.002	0	0
5	SO VERT1 ALPHA	PZ	-.001	-.001	0	0
6	SO PLATE4 ALPHA	PZ	-.005	-.005	0	0
7	SO PLATE3 ALPHA	PZ	-.005	-.005	0	0
8	SO PLATE2 ALPHA	PZ	-.005	-.005	0	0
9	SO PLATE1 ALPHA	PZ	-.005	-.005	0	0
10	MP ALPHA1	PZ	-.004	-.004	0	0
11	CONNECTION2 ALPHA	PZ	-.006	-.006	0	0
12	CONNECTION1 ALPHA	PZ	-.006	-.006	0	0
13	TIEBACK BETA	PZ	-.001	-.001	0	0
14	SUPP BETA	PZ	-.004	-.004	0	0
15	SO2 BETA	PZ	-.002	-.002	0	0
16	SO1 BETA	PZ	-.002	-.002	0	0
17	SO VERT1 BETA	PZ	-.001	-.001	0	0
18	SO PLATE4 BETA	PZ	-.005	-.005	0	0
19	SO PLATE3 BETA	PZ	-.005	-.005	0	0
20	SO PLATE2 BETA	PZ	-.005	-.005	0	0
21	SO PLATE1 BETA	PZ	-.005	-.005	0	0
22	MP BETA1	PZ	-.004	-.004	0	0
23	CONNECTION2 BETA	PZ	-.006	-.006	0	0
24	CONNECTION1 BETA	PZ	-.006	-.006	0	0
25	TIEBACK GAMMA	PZ	-.003	-.003	0	0
26	SUPP GAMMA	PZ	-.008	-.008	0	0
27	SO2 GAMMA	PZ	-.005	-.005	0	0
28	SO1 GAMMA	PZ	-.005	-.005	0	0
29	SO VERT1 GAMMA	PZ	-.003	-.003	0	0
30	SO PLATE4 GAMMA	PZ	-.01	-.01	0	0
31	SO PLATE3 GAMMA	PZ	-.01	-.01	0	0
32	SO PLATE2 GAMMA	PZ	-.01	-.01	0	0
33	SO PLATE1 GAMMA	PZ	-.01	-.01	0	0
34	MP GAMMA1	PZ	-.007	-.007	0	0
35	CONNECTION2 GAMMA	PZ	-.012	-.012	0	0
36	CONNECTION1 GAMMA	PZ	-.012	-.012	0	0
37	TIEBACK ALPHA	PX	.002	.002	0	0
38	SUPP ALPHA	PX	.007	.007	0	0
39	SO2 ALPHA	PX	.004	.004	0	0
40	SO1 ALPHA	PX	.004	.004	0	0
41	SO VERT1 ALPHA	PX	.002	.002	0	0
42	SO PLATE4 ALPHA	PX	.009	.009	0	0
43	SO PLATE3 ALPHA	PX	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
44	SO PLATE2 ALPHA	PX	.009	.009	0	0
45	SO PLATE1 ALPHA	PX	.009	.009	0	0
46	MP ALPHA1	PX	.006	.006	0	0
47	CONNECTION2 ALPHA	PX	.011	.011	0	0
48	CONNECTION1 ALPHA	PX	.011	.011	0	0
49	TIEBACK BETA	PX	.002	.002	0	0
50	SUPP BETA	PX	.007	.007	0	0
51	SO2 BETA	PX	.004	.004	0	0
52	SO1 BETA	PX	.004	.004	0	0
53	SO VERT1 BETA	PX	.002	.002	0	0
54	SO PLATE4 BETA	PX	.009	.009	0	0
55	SO PLATE3 BETA	PX	.009	.009	0	0
56	SO PLATE2 BETA	PX	.009	.009	0	0
57	SO PLATE1 BETA	PX	.009	.009	0	0
58	MP BETA1	PX	.006	.006	0	0
59	CONNECTION2 BETA	PX	.011	.011	0	0
60	CONNECTION1 BETA	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	.002	.002	0	0
2	SUPP ALPHA	PX	.007	.007	0	0
3	SO2 ALPHA	PX	.01	.01	0	0
4	SO1 ALPHA	PX	.01	.01	0	0
5	SO VERT1 ALPHA	PX	.005	.005	0	0
6	SO PLATE4 ALPHA	PX	.01	.01	0	0
7	SO PLATE3 ALPHA	PX	.01	.01	0	0
8	SO PLATE2 ALPHA	PX	.01	.01	0	0
9	SO PLATE1 ALPHA	PX	.01	.01	0	0
10	MP ALPHA1	PX	.007	.007	0	0
11	CONNECTION2 ALPHA	PX	.012	.012	0	0
12	CONNECTION1 ALPHA	PX	.012	.012	0	0
13	TIEBACK BETA	PZ	.002	.002	0	0
14	SUPP BETA	PZ	.007	.007	0	0
15	SO2 BETA	PZ	.004	.004	0	0
16	SO1 BETA	PZ	.004	.004	0	0
17	SO VERT1 BETA	PZ	.002	.002	0	0
18	SO PLATE4 BETA	PZ	.009	.009	0	0
19	SO PLATE3 BETA	PZ	.009	.009	0	0
20	SO PLATE2 BETA	PZ	.009	.009	0	0
21	SO PLATE1 BETA	PZ	.009	.009	0	0
22	MP BETA1	PZ	.006	.006	0	0
23	CONNECTION2 BETA	PZ	.011	.011	0	0
24	CONNECTION1 BETA	PZ	.011	.011	0	0
25	TIEBACK GAMMA	PZ	-.002	-.002	0	0
26	SUPP GAMMA	PZ	-.007	-.007	0	0
27	SO2 GAMMA	PZ	-.004	-.004	0	0
28	SO1 GAMMA	PZ	-.004	-.004	0	0
29	SO VERT1 GAMMA	PZ	-.002	-.002	0	0
30	SO PLATE4 GAMMA	PZ	-.009	-.009	0	0
31	SO PLATE3 GAMMA	PZ	-.009	-.009	0	0
32	SO PLATE2 GAMMA	PZ	-.009	-.009	0	0
33	SO PLATE1 GAMMA	PZ	-.009	-.009	0	0
34	MP GAMMA1	PZ	-.006	-.006	0	0
35	CONNECTION2 GAMMA	PZ	-.011	-.011	0	0
36	CONNECTION1 GAMMA	PZ	-.011	-.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
37	TIEBACK BETA	PX	.001	.001	0	0
38	SUPP BETA	PX	.004	.004	0	0
39	SO2 BETA	PX	.002	.002	0	0
40	SO1 BETA	PX	.002	.002	0	0
41	SO VERT1 BETA	PX	.001	.001	0	0
42	SO PLATE4 BETA	PX	.005	.005	0	0
43	SO PLATE3 BETA	PX	.005	.005	0	0
44	SO PLATE2 BETA	PX	.005	.005	0	0
45	SO PLATE1 BETA	PX	.005	.005	0	0
46	MP BETA1	PX	.004	.004	0	0
47	CONNECTION2 BETA	PX	.006	.006	0	0
48	CONNECTION1 BETA	PX	.006	.006	0	0
49	TIEBACK GAMMA	PX	.001	.001	0	0
50	SUPP GAMMA	PX	.004	.004	0	0
51	SO2 GAMMA	PX	.002	.002	0	0
52	SO1 GAMMA	PX	.002	.002	0	0
53	SO VERT1 GAMMA	PX	.001	.001	0	0
54	SO PLATE4 GAMMA	PX	.005	.005	0	0
55	SO PLATE3 GAMMA	PX	.005	.005	0	0
56	SO PLATE2 GAMMA	PX	.005	.005	0	0
57	SO PLATE1 GAMMA	PX	.005	.005	0	0
58	MP GAMMA1	PX	.004	.004	0	0
59	CONNECTION2 GAMMA	PX	.006	.006	0	0
60	CONNECTION1 GAMMA	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.001	.001	0	0
2	SUPP ALPHA	PZ	.004	.004	0	0
3	SO2 ALPHA	PZ	.002	.002	0	0
4	SO1 ALPHA	PZ	.002	.002	0	0
5	SO VERT1 ALPHA	PZ	.001	.001	0	0
6	SO PLATE4 ALPHA	PZ	.005	.005	0	0
7	SO PLATE3 ALPHA	PZ	.005	.005	0	0
8	SO PLATE2 ALPHA	PZ	.005	.005	0	0
9	SO PLATE1 ALPHA	PZ	.005	.005	0	0
10	MP ALPHA1	PZ	.004	.004	0	0
11	CONNECTION2 ALPHA	PZ	.006	.006	0	0
12	CONNECTION1 ALPHA	PZ	.006	.006	0	0
13	TIEBACK BETA	PZ	.003	.003	0	0
14	SUPP BETA	PZ	.008	.008	0	0
15	SO2 BETA	PZ	.005	.005	0	0
16	SO1 BETA	PZ	.005	.005	0	0
17	SO VERT1 BETA	PZ	.003	.003	0	0
18	SO PLATE4 BETA	PZ	.01	.01	0	0
19	SO PLATE3 BETA	PZ	.01	.01	0	0
20	SO PLATE2 BETA	PZ	.01	.01	0	0
21	SO PLATE1 BETA	PZ	.01	.01	0	0
22	MP BETA1	PZ	.007	.007	0	0
23	CONNECTION2 BETA	PZ	.012	.012	0	0
24	CONNECTION1 BETA	PZ	.012	.012	0	0
25	TIEBACK GAMMA	PZ	.001	.001	0	0
26	SUPP GAMMA	PZ	.004	.004	0	0
27	SO2 GAMMA	PZ	.002	.002	0	0
28	SO1 GAMMA	PZ	.002	.002	0	0
29	SO VERT1 GAMMA	PZ	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
30	SO PLATE4 GAMMA	PZ	.005	.005	0	0
31	SO PLATE3 GAMMA	PZ	.005	.005	0	0
32	SO PLATE2 GAMMA	PZ	.005	.005	0	0
33	SO PLATE1 GAMMA	PZ	.005	.005	0	0
34	MP GAMMA1	PZ	.004	.004	0	0
35	CONNECTION2 GAMMA	PZ	.006	.006	0	0
36	CONNECTION1 GAMMA	PZ	.006	.006	0	0
37	TIEBACK ALPHA	PX	.002	.002	0	0
38	SUPP ALPHA	PX	.007	.007	0	0
39	SO2 ALPHA	PX	.004	.004	0	0
40	SO1 ALPHA	PX	.004	.004	0	0
41	SO VERT1 ALPHA	PX	.002	.002	0	0
42	SO PLATE4 ALPHA	PX	.009	.009	0	0
43	SO PLATE3 ALPHA	PX	.009	.009	0	0
44	SO PLATE2 ALPHA	PX	.009	.009	0	0
45	SO PLATE1 ALPHA	PX	.009	.009	0	0
46	MP ALPHA1	PX	.006	.006	0	0
47	CONNECTION2 ALPHA	PX	.011	.011	0	0
48	CONNECTION1 ALPHA	PX	.011	.011	0	0
49	TIEBACK GAMMA	PX	.002	.002	0	0
50	SUPP GAMMA	PX	.007	.007	0	0
51	SO2 GAMMA	PX	.004	.004	0	0
52	SO1 GAMMA	PX	.004	.004	0	0
53	SO VERT1 GAMMA	PX	.002	.002	0	0
54	SO PLATE4 GAMMA	PX	.009	.009	0	0
55	SO PLATE3 GAMMA	PX	.009	.009	0	0
56	SO PLATE2 GAMMA	PX	.009	.009	0	0
57	SO PLATE1 GAMMA	PX	.009	.009	0	0
58	MP GAMMA1	PX	.006	.006	0	0
59	CONNECTION2 GAMMA	PX	.011	.011	0	0
60	CONNECTION1 GAMMA	PX	.011	.011	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.002	.002	0	0
2	SUPP ALPHA	PZ	.007	.007	0	0
3	SO2 ALPHA	PZ	.004	.004	0	0
4	SO1 ALPHA	PZ	.004	.004	0	0
5	SO VERT1 ALPHA	PZ	.002	.002	0	0
6	SO PLATE4 ALPHA	PZ	.009	.009	0	0
7	SO PLATE3 ALPHA	PZ	.009	.009	0	0
8	SO PLATE2 ALPHA	PZ	.009	.009	0	0
9	SO PLATE1 ALPHA	PZ	.009	.009	0	0
10	MP ALPHA1	PZ	.006	.006	0	0
11	CONNECTION2 ALPHA	PZ	.011	.011	0	0
12	CONNECTION1 ALPHA	PZ	.011	.011	0	0
13	TIEBACK BETA	PZ	.002	.002	0	0
14	SUPP BETA	PZ	.007	.007	0	0
15	SO2 BETA	PZ	.004	.004	0	0
16	SO1 BETA	PZ	.004	.004	0	0
17	SO VERT1 BETA	PZ	.002	.002	0	0
18	SO PLATE4 BETA	PZ	.009	.009	0	0
19	SO PLATE3 BETA	PZ	.009	.009	0	0
20	SO PLATE2 BETA	PZ	.009	.009	0	0
21	SO PLATE1 BETA	PZ	.009	.009	0	0
22	MP BETA1	PZ	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
23	CONNECTION2 BETA	PZ	.011	.011	0	0
24	CONNECTION1 BETA	PZ	.011	.011	0	0
25	TIEBACK GAMMA	PX	.002	.002	0	0
26	SUPP GAMMA	PX	.007	.007	0	0
27	SO2 GAMMA	PX	.01	.01	0	0
28	SO1 GAMMA	PX	.01	.01	0	0
29	SO VERT1 GAMMA	PX	.005	.005	0	0
30	SO PLATE4 GAMMA	PX	.01	.01	0	0
31	SO PLATE3 GAMMA	PX	.01	.01	0	0
32	SO PLATE2 GAMMA	PX	.01	.01	0	0
33	SO PLATE1 GAMMA	PX	.01	.01	0	0
34	MP GAMMA1	PX	.007	.007	0	0
35	CONNECTION2 GAMMA	PX	.012	.012	0	0
36	CONNECTION1 GAMMA	PX	.012	.012	0	0
37	TIEBACK ALPHA	PX	.001	.001	0	0
38	SUPP ALPHA	PX	.004	.004	0	0
39	SO2 ALPHA	PX	.002	.002	0	0
40	SO1 ALPHA	PX	.002	.002	0	0
41	SO VERT1 ALPHA	PX	.001	.001	0	0
42	SO PLATE4 ALPHA	PX	.005	.005	0	0
43	SO PLATE3 ALPHA	PX	.005	.005	0	0
44	SO PLATE2 ALPHA	PX	.005	.005	0	0
45	SO PLATE1 ALPHA	PX	.005	.005	0	0
46	MP ALPHA1	PX	.004	.004	0	0
47	CONNECTION2 ALPHA	PX	.006	.006	0	0
48	CONNECTION1 ALPHA	PX	.006	.006	0	0
49	TIEBACK BETA	PX	.001	.001	0	0
50	SUPP BETA	PX	.004	.004	0	0
51	SO2 BETA	PX	.002	.002	0	0
52	SO1 BETA	PX	.002	.002	0	0
53	SO VERT1 BETA	PX	.001	.001	0	0
54	SO PLATE4 BETA	PX	.005	.005	0	0
55	SO PLATE3 BETA	PX	.005	.005	0	0
56	SO PLATE2 BETA	PX	.005	.005	0	0
57	SO PLATE1 BETA	PX	.005	.005	0	0
58	MP BETA1	PX	.004	.004	0	0
59	CONNECTION2 BETA	PX	.006	.006	0	0
60	CONNECTION1 BETA	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000176	.000176	0	0
2	SUPP ALPHA	PZ	.000519	.000519	0	0
3	SO2 ALPHA	PZ	.000315	.000315	0	0
4	SO1 ALPHA	PZ	.000315	.000315	0	0
5	SO VERT1 ALPHA	PZ	.000176	.000176	0	0
6	SO PLATE4 ALPHA	PZ	.000672	.000672	0	0
7	SO PLATE3 ALPHA	PZ	.000672	.000672	0	0
8	SO PLATE2 ALPHA	PZ	.000672	.000672	0	0
9	SO PLATE1 ALPHA	PZ	.000672	.000672	0	0
10	MP ALPHA1	PZ	.000481	.000481	0	0
11	CONNECTION2 ALPHA	PZ	.000798	.000798	0	0
12	CONNECTION1 ALPHA	PZ	.000798	.000798	0	0
13	TIEBACK BETA	PZ	8.8e-5	8.8e-5	0	0
14	SUPP BETA	PZ	.00026	.00026	0	0
15	SO2 BETA	PZ	.000157	.000157	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
16	SO1 BETA	PZ	.000157	.000157	0	0
17	SO VERT1 BETA	PZ	8.8e-5	8.8e-5	0	0
18	SO PLATE4 BETA	PZ	.000336	.000336	0	0
19	SO PLATE3 BETA	PZ	.000336	.000336	0	0
20	SO PLATE2 BETA	PZ	.000336	.000336	0	0
21	SO PLATE1 BETA	PZ	.000336	.000336	0	0
22	MP BETA1	PZ	.000241	.000241	0	0
23	CONNECTION2 BETA	PZ	.000399	.000399	0	0
24	CONNECTION1 BETA	PZ	.000399	.000399	0	0
25	TIEBACK GAMMA	PZ	8.8e-5	8.8e-5	0	0
26	SUPP GAMMA	PZ	.00026	.00026	0	0
27	SO2 GAMMA	PZ	.000157	.000157	0	0
28	SO1 GAMMA	PZ	.000157	.000157	0	0
29	SO VERT1 GAMMA	PZ	8.8e-5	8.8e-5	0	0
30	SO PLATE4 GAMMA	PZ	.000336	.000336	0	0
31	SO PLATE3 GAMMA	PZ	.000336	.000336	0	0
32	SO PLATE2 GAMMA	PZ	.000336	.000336	0	0
33	SO PLATE1 GAMMA	PZ	.000336	.000336	0	0
34	MP GAMMA1	PZ	.000241	.000241	0	0
35	CONNECTION2 GAMMA	PZ	.000399	.000399	0	0
36	CONNECTION1 GAMMA	PZ	.000399	.000399	0	0
37	TIEBACK BETA	PX	.000153	.000153	0	0
38	SUPP BETA	PX	.00045	.00045	0	0
39	SO2 BETA	PX	.000273	.000273	0	0
40	SO1 BETA	PX	.000273	.000273	0	0
41	SO VERT1 BETA	PX	.000153	.000153	0	0
42	SO PLATE4 BETA	PX	.000582	.000582	0	0
43	SO PLATE3 BETA	PX	.000582	.000582	0	0
44	SO PLATE2 BETA	PX	.000582	.000582	0	0
45	SO PLATE1 BETA	PX	.000582	.000582	0	0
46	MP BETA1	PX	.000417	.000417	0	0
47	CONNECTION2 BETA	PX	.000691	.000691	0	0
48	CONNECTION1 BETA	PX	.000691	.000691	0	0
49	TIEBACK GAMMA	PX	-.000153	-.000153	0	0
50	SUPP GAMMA	PX	-.00045	-.00045	0	0
51	SO2 GAMMA	PX	-.000273	-.000273	0	0
52	SO1 GAMMA	PX	-.000273	-.000273	0	0
53	SO VERT1 GAMMA	PX	-.000153	-.000153	0	0
54	SO PLATE4 GAMMA	PX	-.000582	-.000582	0	0
55	SO PLATE3 GAMMA	PX	-.000582	-.000582	0	0
56	SO PLATE2 GAMMA	PX	-.000582	-.000582	0	0
57	SO PLATE1 GAMMA	PX	-.000582	-.000582	0	0
58	MP GAMMA1	PX	-.000417	-.000417	0	0
59	CONNECTION2 GAMMA	PX	-.000691	-.000691	0	0
60	CONNECTION1 GAMMA	PX	-.000691	-.000691	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000153	.000153	0	0
2	SUPP ALPHA	PZ	.00045	.00045	0	0
3	SO2 ALPHA	PZ	.000273	.000273	0	0
4	SO1 ALPHA	PZ	.000273	.000273	0	0
5	SO VERT1 ALPHA	PZ	.000153	.000153	0	0
6	SO PLATE4 ALPHA	PZ	.000582	.000582	0	0
7	SO PLATE3 ALPHA	PZ	.000582	.000582	0	0
8	SO PLATE2 ALPHA	PZ	.000582	.000582	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
9	SO PLATE1 ALPHA	PZ	.000582	.000582	0	0
10	MP ALPHA1	PZ	.000417	.000417	0	0
11	CONNECTION2 ALPHA	PZ	.000691	.000691	0	0
12	CONNECTION1 ALPHA	PZ	.000691	.000691	0	0
13	TIEBACK BETA	PX	-.000149	-.000149	0	0
14	SUPP BETA	PX	-.00044	-.00044	0	0
15	SO2 BETA	PX	-.00063	-.00063	0	0
16	SO1 BETA	PX	-.00063	-.00063	0	0
17	SO VERT1 BETA	PX	-.000299	-.000299	0	0
18	SO PLATE4 BETA	PX	-.000672	-.000672	0	0
19	SO PLATE3 BETA	PX	-.000672	-.000672	0	0
20	SO PLATE2 BETA	PX	-.000672	-.000672	0	0
21	SO PLATE1 BETA	PX	-.000672	-.000672	0	0
22	MP BETA1	PX	-.000481	-.000481	0	0
23	CONNECTION2 BETA	PX	-.000798	-.000798	0	0
24	CONNECTION1 BETA	PX	-.000798	-.000798	0	0
25	TIEBACK GAMMA	PZ	.000153	.000153	0	0
26	SUPP GAMMA	PZ	.00045	.00045	0	0
27	SO2 GAMMA	PZ	.000273	.000273	0	0
28	SO1 GAMMA	PZ	.000273	.000273	0	0
29	SO VERT1 GAMMA	PZ	.000153	.000153	0	0
30	SO PLATE4 GAMMA	PZ	.000582	.000582	0	0
31	SO PLATE3 GAMMA	PZ	.000582	.000582	0	0
32	SO PLATE2 GAMMA	PZ	.000582	.000582	0	0
33	SO PLATE1 GAMMA	PZ	.000582	.000582	0	0
34	MP GAMMA1	PZ	.000417	.000417	0	0
35	CONNECTION2 GAMMA	PZ	.000691	.000691	0	0
36	CONNECTION1 GAMMA	PZ	.000691	.000691	0	0
37	TIEBACK ALPHA	PX	-8.8e-5	-8.8e-5	0	0
38	SUPP ALPHA	PX	-.00026	-.00026	0	0
39	SO2 ALPHA	PX	-.000157	-.000157	0	0
40	SO1 ALPHA	PX	-.000157	-.000157	0	0
41	SO VERT1 ALPHA	PX	-8.8e-5	-8.8e-5	0	0
42	SO PLATE4 ALPHA	PX	-.000336	-.000336	0	0
43	SO PLATE3 ALPHA	PX	-.000336	-.000336	0	0
44	SO PLATE2 ALPHA	PX	-.000336	-.000336	0	0
45	SO PLATE1 ALPHA	PX	-.000336	-.000336	0	0
46	MP ALPHA1	PX	-.000241	-.000241	0	0
47	CONNECTION2 ALPHA	PX	-.000399	-.000399	0	0
48	CONNECTION1 ALPHA	PX	-.000399	-.000399	0	0
49	TIEBACK GAMMA	PX	-8.8e-5	-8.8e-5	0	0
50	SUPP GAMMA	PX	-.00026	-.00026	0	0
51	SO2 GAMMA	PX	-.000157	-.000157	0	0
52	SO1 GAMMA	PX	-.000157	-.000157	0	0
53	SO VERT1 GAMMA	PX	-8.8e-5	-8.8e-5	0	0
54	SO PLATE4 GAMMA	PX	-.000336	-.000336	0	0
55	SO PLATE3 GAMMA	PX	-.000336	-.000336	0	0
56	SO PLATE2 GAMMA	PX	-.000336	-.000336	0	0
57	SO PLATE1 GAMMA	PX	-.000336	-.000336	0	0
58	MP GAMMA1	PX	-.000241	-.000241	0	0
59	CONNECTION2 GAMMA	PX	-.000399	-.000399	0	0
60	CONNECTION1 GAMMA	PX	-.000399	-.000399	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	8.8e-5	8.8e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
2	SUPP ALPHA	PZ	.00026	.00026	0	0
3	SO2 ALPHA	PZ	.000157	.000157	0	0
4	SO1 ALPHA	PZ	.000157	.000157	0	0
5	SO VERT1 ALPHA	PZ	8.8e-5	8.8e-5	0	0
6	SO PLATE4 ALPHA	PZ	.000336	.000336	0	0
7	SO PLATE3 ALPHA	PZ	.000336	.000336	0	0
8	SO PLATE2 ALPHA	PZ	.000336	.000336	0	0
9	SO PLATE1 ALPHA	PZ	.000336	.000336	0	0
10	MP ALPHA1	PZ	.000241	.000241	0	0
11	CONNECTION2 ALPHA	PZ	.000399	.000399	0	0
12	CONNECTION1 ALPHA	PZ	.000399	.000399	0	0
13	TIEBACK BETA	PZ	8.8e-5	8.8e-5	0	0
14	SUPP BETA	PZ	.00026	.00026	0	0
15	SO2 BETA	PZ	.000157	.000157	0	0
16	SO1 BETA	PZ	.000157	.000157	0	0
17	SO VERT1 BETA	PZ	8.8e-5	8.8e-5	0	0
18	SO PLATE4 BETA	PZ	.000336	.000336	0	0
19	SO PLATE3 BETA	PZ	.000336	.000336	0	0
20	SO PLATE2 BETA	PZ	.000336	.000336	0	0
21	SO PLATE1 BETA	PZ	.000336	.000336	0	0
22	MP BETA1	PZ	.000241	.000241	0	0
23	CONNECTION2 BETA	PZ	.000399	.000399	0	0
24	CONNECTION1 BETA	PZ	.000399	.000399	0	0
25	TIEBACK GAMMA	PZ	.000176	.000176	0	0
26	SUPP GAMMA	PZ	.000519	.000519	0	0
27	SO2 GAMMA	PZ	.000315	.000315	0	0
28	SO1 GAMMA	PZ	.000315	.000315	0	0
29	SO VERT1 GAMMA	PZ	.000176	.000176	0	0
30	SO PLATE4 GAMMA	PZ	.000672	.000672	0	0
31	SO PLATE3 GAMMA	PZ	.000672	.000672	0	0
32	SO PLATE2 GAMMA	PZ	.000672	.000672	0	0
33	SO PLATE1 GAMMA	PZ	.000672	.000672	0	0
34	MP GAMMA1	PZ	.000481	.000481	0	0
35	CONNECTION2 GAMMA	PZ	.000798	.000798	0	0
36	CONNECTION1 GAMMA	PZ	.000798	.000798	0	0
37	TIEBACK ALPHA	PX	-.000153	-.000153	0	0
38	SUPP ALPHA	PX	-.00045	-.00045	0	0
39	SO2 ALPHA	PX	-.000273	-.000273	0	0
40	SO1 ALPHA	PX	-.000273	-.000273	0	0
41	SO VERT1 ALPHA	PX	-.000153	-.000153	0	0
42	SO PLATE4 ALPHA	PX	-.000582	-.000582	0	0
43	SO PLATE3 ALPHA	PX	-.000582	-.000582	0	0
44	SO PLATE2 ALPHA	PX	-.000582	-.000582	0	0
45	SO PLATE1 ALPHA	PX	-.000582	-.000582	0	0
46	MP ALPHA1	PX	-.000417	-.000417	0	0
47	CONNECTION2 ALPHA	PX	-.000691	-.000691	0	0
48	CONNECTION1 ALPHA	PX	-.000691	-.000691	0	0
49	TIEBACK BETA	PX	-.000153	-.000153	0	0
50	SUPP BETA	PX	-.00045	-.00045	0	0
51	SO2 BETA	PX	-.000273	-.000273	0	0
52	SO1 BETA	PX	-.000273	-.000273	0	0
53	SO VERT1 BETA	PX	-.000153	-.000153	0	0
54	SO PLATE4 BETA	PX	-.000582	-.000582	0	0
55	SO PLATE3 BETA	PX	-.000582	-.000582	0	0
56	SO PLATE2 BETA	PX	-.000582	-.000582	0	0
57	SO PLATE1 BETA	PX	-.000582	-.000582	0	0
58	MP BETA1	PX	-.000417	-.000417	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
59	CONNECTION2 BETA	PX	-.000691	-.000691	0	0
60	CONNECTION1 BETA	PX	-.000691	-.000691	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	-.000149	-.000149	0	0
2	SUPP ALPHA	PX	-.00044	-.00044	0	0
3	SO2 ALPHA	PX	-.00063	-.00063	0	0
4	SO1 ALPHA	PX	-.00063	-.00063	0	0
5	SO VERT1 ALPHA	PX	-.000299	-.000299	0	0
6	SO PLATE4 ALPHA	PX	-.000672	-.000672	0	0
7	SO PLATE3 ALPHA	PX	-.000672	-.000672	0	0
8	SO PLATE2 ALPHA	PX	-.000672	-.000672	0	0
9	SO PLATE1 ALPHA	PX	-.000672	-.000672	0	0
10	MP ALPHA1	PX	-.000481	-.000481	0	0
11	CONNECTION2 ALPHA	PX	-.000798	-.000798	0	0
12	CONNECTION1 ALPHA	PX	-.000798	-.000798	0	0
13	TIEBACK BETA	PZ	-.000153	-.000153	0	0
14	SUPP BETA	PZ	-.00045	-.00045	0	0
15	SO2 BETA	PZ	-.000273	-.000273	0	0
16	SO1 BETA	PZ	-.000273	-.000273	0	0
17	SO VERT1 BETA	PZ	-.000153	-.000153	0	0
18	SO PLATE4 BETA	PZ	-.000582	-.000582	0	0
19	SO PLATE3 BETA	PZ	-.000582	-.000582	0	0
20	SO PLATE2 BETA	PZ	-.000582	-.000582	0	0
21	SO PLATE1 BETA	PZ	-.000582	-.000582	0	0
22	MP BETA1	PZ	-.000417	-.000417	0	0
23	CONNECTION2 BETA	PZ	-.000691	-.000691	0	0
24	CONNECTION1 BETA	PZ	-.000691	-.000691	0	0
25	TIEBACK GAMMA	PZ	.000153	.000153	0	0
26	SUPP GAMMA	PZ	.00045	.00045	0	0
27	SO2 GAMMA	PZ	.000273	.000273	0	0
28	SO1 GAMMA	PZ	.000273	.000273	0	0
29	SO VERT1 GAMMA	PZ	.000153	.000153	0	0
30	SO PLATE4 GAMMA	PZ	.000582	.000582	0	0
31	SO PLATE3 GAMMA	PZ	.000582	.000582	0	0
32	SO PLATE2 GAMMA	PZ	.000582	.000582	0	0
33	SO PLATE1 GAMMA	PZ	.000582	.000582	0	0
34	MP GAMMA1	PZ	.000417	.000417	0	0
35	CONNECTION2 GAMMA	PZ	.000691	.000691	0	0
36	CONNECTION1 GAMMA	PZ	.000691	.000691	0	0
37	TIEBACK BETA	PX	-8.8e-5	-8.8e-5	0	0
38	SUPP BETA	PX	-.00026	-.00026	0	0
39	SO2 BETA	PX	-.000157	-.000157	0	0
40	SO1 BETA	PX	-.000157	-.000157	0	0
41	SO VERT1 BETA	PX	-8.8e-5	-8.8e-5	0	0
42	SO PLATE4 BETA	PX	-.000336	-.000336	0	0
43	SO PLATE3 BETA	PX	-.000336	-.000336	0	0
44	SO PLATE2 BETA	PX	-.000336	-.000336	0	0
45	SO PLATE1 BETA	PX	-.000336	-.000336	0	0
46	MP BETA1	PX	-.000241	-.000241	0	0
47	CONNECTION2 BETA	PX	-.000399	-.000399	0	0
48	CONNECTION1 BETA	PX	-.000399	-.000399	0	0
49	TIEBACK GAMMA	PX	-8.8e-5	-8.8e-5	0	0
50	SUPP GAMMA	PX	-.00026	-.00026	0	0
51	SO2 GAMMA	PX	-.000157	-.000157	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
52	SO1 GAMMA	PX	-.000157	-.000157	0	0
53	SO VERT1 GAMMA	PX	-8.8e-5	-8.8e-5	0	0
54	SO PLATE4 GAMMA	PX	-.000336	-.000336	0	0
55	SO PLATE3 GAMMA	PX	-.000336	-.000336	0	0
56	SO PLATE2 GAMMA	PX	-.000336	-.000336	0	0
57	SO PLATE1 GAMMA	PX	-.000336	-.000336	0	0
58	MP GAMMA1	PX	-.000241	-.000241	0	0
59	CONNECTION2 GAMMA	PX	-.000399	-.000399	0	0
60	CONNECTION1 GAMMA	PX	-.000399	-.000399	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-8.8e-5	-8.8e-5	0	0
2	SUPP ALPHA	PZ	-.00026	-.00026	0	0
3	SO2 ALPHA	PZ	-.000157	-.000157	0	0
4	SO1 ALPHA	PZ	-.000157	-.000157	0	0
5	SO VERT1 ALPHA	PZ	-8.8e-5	-8.8e-5	0	0
6	SO PLATE4 ALPHA	PZ	-.000336	-.000336	0	0
7	SO PLATE3 ALPHA	PZ	-.000336	-.000336	0	0
8	SO PLATE2 ALPHA	PZ	-.000336	-.000336	0	0
9	SO PLATE1 ALPHA	PZ	-.000336	-.000336	0	0
10	MP ALPHA1	PZ	-.000241	-.000241	0	0
11	CONNECTION2 ALPHA	PZ	-.000399	-.000399	0	0
12	CONNECTION1 ALPHA	PZ	-.000399	-.000399	0	0
13	TIEBACK BETA	PZ	-.000176	-.000176	0	0
14	SUPP BETA	PZ	-.000519	-.000519	0	0
15	SO2 BETA	PZ	-.000315	-.000315	0	0
16	SO1 BETA	PZ	-.000315	-.000315	0	0
17	SO VERT1 BETA	PZ	-.000176	-.000176	0	0
18	SO PLATE4 BETA	PZ	-.000672	-.000672	0	0
19	SO PLATE3 BETA	PZ	-.000672	-.000672	0	0
20	SO PLATE2 BETA	PZ	-.000672	-.000672	0	0
21	SO PLATE1 BETA	PZ	-.000672	-.000672	0	0
22	MP BETA1	PZ	-.000481	-.000481	0	0
23	CONNECTION2 BETA	PZ	-.000798	-.000798	0	0
24	CONNECTION1 BETA	PZ	-.000798	-.000798	0	0
25	TIEBACK GAMMA	PZ	-8.8e-5	-8.8e-5	0	0
26	SUPP GAMMA	PZ	-.00026	-.00026	0	0
27	SO2 GAMMA	PZ	-.000157	-.000157	0	0
28	SO1 GAMMA	PZ	-.000157	-.000157	0	0
29	SO VERT1 GAMMA	PZ	-8.8e-5	-8.8e-5	0	0
30	SO PLATE4 GAMMA	PZ	-.000336	-.000336	0	0
31	SO PLATE3 GAMMA	PZ	-.000336	-.000336	0	0
32	SO PLATE2 GAMMA	PZ	-.000336	-.000336	0	0
33	SO PLATE1 GAMMA	PZ	-.000336	-.000336	0	0
34	MP GAMMA1	PZ	-.000241	-.000241	0	0
35	CONNECTION2 GAMMA	PZ	-.000399	-.000399	0	0
36	CONNECTION1 GAMMA	PZ	-.000399	-.000399	0	0
37	TIEBACK ALPHA	PX	-.000153	-.000153	0	0
38	SUPP ALPHA	PX	-.00045	-.00045	0	0
39	SO2 ALPHA	PX	-.000273	-.000273	0	0
40	SO1 ALPHA	PX	-.000273	-.000273	0	0
41	SO VERT1 ALPHA	PX	-.000153	-.000153	0	0
42	SO PLATE4 ALPHA	PX	-.000582	-.000582	0	0
43	SO PLATE3 ALPHA	PX	-.000582	-.000582	0	0
44	SO PLATE2 ALPHA	PX	-.000582	-.000582	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
45	SO PLATE1 ALPHA	PX	-.000582	-.000582	0	0
46	MP ALPHA1	PX	-.000417	-.000417	0	0
47	CONNECTION2 ALPHA	PX	-.000691	-.000691	0	0
48	CONNECTION1 ALPHA	PX	-.000691	-.000691	0	0
49	TIEBACK GAMMA	PX	-.000153	-.000153	0	0
50	SUPP GAMMA	PX	-.00045	-.00045	0	0
51	SO2 GAMMA	PX	-.000273	-.000273	0	0
52	SO1 GAMMA	PX	-.000273	-.000273	0	0
53	SO VERT1 GAMMA	PX	-.000153	-.000153	0	0
54	SO PLATE4 GAMMA	PX	-.000582	-.000582	0	0
55	SO PLATE3 GAMMA	PX	-.000582	-.000582	0	0
56	SO PLATE2 GAMMA	PX	-.000582	-.000582	0	0
57	SO PLATE1 GAMMA	PX	-.000582	-.000582	0	0
58	MP GAMMA1	PX	-.000417	-.000417	0	0
59	CONNECTION2 GAMMA	PX	-.000691	-.000691	0	0
60	CONNECTION1 GAMMA	PX	-.000691	-.000691	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000153	-.000153	0	0
2	SUPP ALPHA	PZ	-.00045	-.00045	0	0
3	SO2 ALPHA	PZ	-.000273	-.000273	0	0
4	SO1 ALPHA	PZ	-.000273	-.000273	0	0
5	SO VERT1 ALPHA	PZ	-.000153	-.000153	0	0
6	SO PLATE4 ALPHA	PZ	-.000582	-.000582	0	0
7	SO PLATE3 ALPHA	PZ	-.000582	-.000582	0	0
8	SO PLATE2 ALPHA	PZ	-.000582	-.000582	0	0
9	SO PLATE1 ALPHA	PZ	-.000582	-.000582	0	0
10	MP ALPHA1	PZ	-.000417	-.000417	0	0
11	CONNECTION2 ALPHA	PZ	-.000691	-.000691	0	0
12	CONNECTION1 ALPHA	PZ	-.000691	-.000691	0	0
13	TIEBACK BETA	PZ	-.000153	-.000153	0	0
14	SUPP BETA	PZ	-.00045	-.00045	0	0
15	SO2 BETA	PZ	-.000273	-.000273	0	0
16	SO1 BETA	PZ	-.000273	-.000273	0	0
17	SO VERT1 BETA	PZ	-.000153	-.000153	0	0
18	SO PLATE4 BETA	PZ	-.000582	-.000582	0	0
19	SO PLATE3 BETA	PZ	-.000582	-.000582	0	0
20	SO PLATE2 BETA	PZ	-.000582	-.000582	0	0
21	SO PLATE1 BETA	PZ	-.000582	-.000582	0	0
22	MP BETA1	PZ	-.000417	-.000417	0	0
23	CONNECTION2 BETA	PZ	-.000691	-.000691	0	0
24	CONNECTION1 BETA	PZ	-.000691	-.000691	0	0
25	TIEBACK GAMMA	PX	-.000149	-.000149	0	0
26	SUPP GAMMA	PX	-.00044	-.00044	0	0
27	SO2 GAMMA	PX	-.00063	-.00063	0	0
28	SO1 GAMMA	PX	-.00063	-.00063	0	0
29	SO VERT1 GAMMA	PX	-.000299	-.000299	0	0
30	SO PLATE4 GAMMA	PX	-.000672	-.000672	0	0
31	SO PLATE3 GAMMA	PX	-.000672	-.000672	0	0
32	SO PLATE2 GAMMA	PX	-.000672	-.000672	0	0
33	SO PLATE1 GAMMA	PX	-.000672	-.000672	0	0
34	MP GAMMA1	PX	-.000481	-.000481	0	0
35	CONNECTION2 GAMMA	PX	-.000798	-.000798	0	0
36	CONNECTION1 GAMMA	PX	-.000798	-.000798	0	0
37	TIEBACK ALPHA	PX	-8.8e-5	-8.8e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
38	SUPP ALPHA	PX	-.00026	-.00026	0	0
39	SO2 ALPHA	PX	-.000157	-.000157	0	0
40	SO1 ALPHA	PX	-.000157	-.000157	0	0
41	SO VERT1 ALPHA	PX	-8.8e-5	-8.8e-5	0	0
42	SO PLATE4 ALPHA	PX	-.000336	-.000336	0	0
43	SO PLATE3 ALPHA	PX	-.000336	-.000336	0	0
44	SO PLATE2 ALPHA	PX	-.000336	-.000336	0	0
45	SO PLATE1 ALPHA	PX	-.000336	-.000336	0	0
46	MP ALPHA1	PX	-.000241	-.000241	0	0
47	CONNECTION2 ALPHA	PX	-.000399	-.000399	0	0
48	CONNECTION1 ALPHA	PX	-.000399	-.000399	0	0
49	TIEBACK BETA	PX	-8.8e-5	-8.8e-5	0	0
50	SUPP BETA	PX	-.00026	-.00026	0	0
51	SO2 BETA	PX	-.000157	-.000157	0	0
52	SO1 BETA	PX	-.000157	-.000157	0	0
53	SO VERT1 BETA	PX	-8.8e-5	-8.8e-5	0	0
54	SO PLATE4 BETA	PX	-.000336	-.000336	0	0
55	SO PLATE3 BETA	PX	-.000336	-.000336	0	0
56	SO PLATE2 BETA	PX	-.000336	-.000336	0	0
57	SO PLATE1 BETA	PX	-.000336	-.000336	0	0
58	MP BETA1	PX	-.000241	-.000241	0	0
59	CONNECTION2 BETA	PX	-.000399	-.000399	0	0
60	CONNECTION1 BETA	PX	-.000399	-.000399	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000176	-.000176	0	0
2	SUPP ALPHA	PZ	-.000519	-.000519	0	0
3	SO2 ALPHA	PZ	-.000315	-.000315	0	0
4	SO1 ALPHA	PZ	-.000315	-.000315	0	0
5	SO VERT1 ALPHA	PZ	-.000176	-.000176	0	0
6	SO PLATE4 ALPHA	PZ	-.000672	-.000672	0	0
7	SO PLATE3 ALPHA	PZ	-.000672	-.000672	0	0
8	SO PLATE2 ALPHA	PZ	-.000672	-.000672	0	0
9	SO PLATE1 ALPHA	PZ	-.000672	-.000672	0	0
10	MP ALPHA1	PZ	-.000481	-.000481	0	0
11	CONNECTION2 ALPHA	PZ	-.000798	-.000798	0	0
12	CONNECTION1 ALPHA	PZ	-.000798	-.000798	0	0
13	TIEBACK BETA	PZ	-8.8e-5	-8.8e-5	0	0
14	SUPP BETA	PZ	-.00026	-.00026	0	0
15	SO2 BETA	PZ	-.000157	-.000157	0	0
16	SO1 BETA	PZ	-.000157	-.000157	0	0
17	SO VERT1 BETA	PZ	-8.8e-5	-8.8e-5	0	0
18	SO PLATE4 BETA	PZ	-.000336	-.000336	0	0
19	SO PLATE3 BETA	PZ	-.000336	-.000336	0	0
20	SO PLATE2 BETA	PZ	-.000336	-.000336	0	0
21	SO PLATE1 BETA	PZ	-.000336	-.000336	0	0
22	MP BETA1	PZ	-.000241	-.000241	0	0
23	CONNECTION2 BETA	PZ	-.000399	-.000399	0	0
24	CONNECTION1 BETA	PZ	-.000399	-.000399	0	0
25	TIEBACK GAMMA	PZ	-8.8e-5	-8.8e-5	0	0
26	SUPP GAMMA	PZ	-.00026	-.00026	0	0
27	SO2 GAMMA	PZ	-.000157	-.000157	0	0
28	SO1 GAMMA	PZ	-.000157	-.000157	0	0
29	SO VERT1 GAMMA	PZ	-8.8e-5	-8.8e-5	0	0
30	SO PLATE4 GAMMA	PZ	-.000336	-.000336	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
31	SO PLATE3 GAMMA	PZ	-.000336	-.000336	0	0
32	SO PLATE2 GAMMA	PZ	-.000336	-.000336	0	0
33	SO PLATE1 GAMMA	PZ	-.000336	-.000336	0	0
34	MP GAMMA1	PZ	-.000241	-.000241	0	0
35	CONNECTION2 GAMMA	PZ	-.000399	-.000399	0	0
36	CONNECTION1 GAMMA	PZ	-.000399	-.000399	0	0
37	TIEBACK BETA	PX	-.000153	-.000153	0	0
38	SUPP BETA	PX	-.00045	-.00045	0	0
39	SO2 BETA	PX	-.000273	-.000273	0	0
40	SO1 BETA	PX	-.000273	-.000273	0	0
41	SO VERT1 BETA	PX	-.000153	-.000153	0	0
42	SO PLATE4 BETA	PX	-.000582	-.000582	0	0
43	SO PLATE3 BETA	PX	-.000582	-.000582	0	0
44	SO PLATE2 BETA	PX	-.000582	-.000582	0	0
45	SO PLATE1 BETA	PX	-.000582	-.000582	0	0
46	MP BETA1	PX	-.000417	-.000417	0	0
47	CONNECTION2 BETA	PX	-.000691	-.000691	0	0
48	CONNECTION1 BETA	PX	-.000691	-.000691	0	0
49	TIEBACK GAMMA	PX	.000153	.000153	0	0
50	SUPP GAMMA	PX	.00045	.00045	0	0
51	SO2 GAMMA	PX	.000273	.000273	0	0
52	SO1 GAMMA	PX	.000273	.000273	0	0
53	SO VERT1 GAMMA	PX	.000153	.000153	0	0
54	SO PLATE4 GAMMA	PX	.000582	.000582	0	0
55	SO PLATE3 GAMMA	PX	.000582	.000582	0	0
56	SO PLATE2 GAMMA	PX	.000582	.000582	0	0
57	SO PLATE1 GAMMA	PX	.000582	.000582	0	0
58	MP GAMMA1	PX	.000417	.000417	0	0
59	CONNECTION2 GAMMA	PX	.000691	.000691	0	0
60	CONNECTION1 GAMMA	PX	.000691	.000691	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000153	-.000153	0	0
2	SUPP ALPHA	PZ	-.00045	-.00045	0	0
3	SO2 ALPHA	PZ	-.000273	-.000273	0	0
4	SO1 ALPHA	PZ	-.000273	-.000273	0	0
5	SO VERT1 ALPHA	PZ	-.000153	-.000153	0	0
6	SO PLATE4 ALPHA	PZ	-.000582	-.000582	0	0
7	SO PLATE3 ALPHA	PZ	-.000582	-.000582	0	0
8	SO PLATE2 ALPHA	PZ	-.000582	-.000582	0	0
9	SO PLATE1 ALPHA	PZ	-.000582	-.000582	0	0
10	MP ALPHA1	PZ	-.000417	-.000417	0	0
11	CONNECTION2 ALPHA	PZ	-.000691	-.000691	0	0
12	CONNECTION1 ALPHA	PZ	-.000691	-.000691	0	0
13	TIEBACK BETA	PX	.000149	.000149	0	0
14	SUPP BETA	PX	.00044	.00044	0	0
15	SO2 BETA	PX	.00063	.00063	0	0
16	SO1 BETA	PX	.00063	.00063	0	0
17	SO VERT1 BETA	PX	.000299	.000299	0	0
18	SO PLATE4 BETA	PX	.000672	.000672	0	0
19	SO PLATE3 BETA	PX	.000672	.000672	0	0
20	SO PLATE2 BETA	PX	.000672	.000672	0	0
21	SO PLATE1 BETA	PX	.000672	.000672	0	0
22	MP BETA1	PX	.000481	.000481	0	0
23	CONNECTION2 BETA	PX	.000798	.000798	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
24	CONNECTION1 BETA	PX	.000798	.000798	0	0
25	TIEBACK GAMMA	PZ	-.000153	-.000153	0	0
26	SUPP GAMMA	PZ	-.00045	-.00045	0	0
27	SO2 GAMMA	PZ	-.000273	-.000273	0	0
28	SO1 GAMMA	PZ	-.000273	-.000273	0	0
29	SO VERT1 GAMMA	PZ	-.000153	-.000153	0	0
30	SO PLATE4 GAMMA	PZ	-.000582	-.000582	0	0
31	SO PLATE3 GAMMA	PZ	-.000582	-.000582	0	0
32	SO PLATE2 GAMMA	PZ	-.000582	-.000582	0	0
33	SO PLATE1 GAMMA	PZ	-.000582	-.000582	0	0
34	MP GAMMA1	PZ	-.000417	-.000417	0	0
35	CONNECTION2 GAMMA	PZ	-.000691	-.000691	0	0
36	CONNECTION1 GAMMA	PZ	-.000691	-.000691	0	0
37	TIEBACK ALPHA	PX	8.8e-5	8.8e-5	0	0
38	SUPP ALPHA	PX	.00026	.00026	0	0
39	SO2 ALPHA	PX	.000157	.000157	0	0
40	SO1 ALPHA	PX	.000157	.000157	0	0
41	SO VERT1 ALPHA	PX	8.8e-5	8.8e-5	0	0
42	SO PLATE4 ALPHA	PX	.000336	.000336	0	0
43	SO PLATE3 ALPHA	PX	.000336	.000336	0	0
44	SO PLATE2 ALPHA	PX	.000336	.000336	0	0
45	SO PLATE1 ALPHA	PX	.000336	.000336	0	0
46	MP ALPHA1	PX	.000241	.000241	0	0
47	CONNECTION2 ALPHA	PX	.000399	.000399	0	0
48	CONNECTION1 ALPHA	PX	.000399	.000399	0	0
49	TIEBACK GAMMA	PX	8.8e-5	8.8e-5	0	0
50	SUPP GAMMA	PX	.00026	.00026	0	0
51	SO2 GAMMA	PX	.000157	.000157	0	0
52	SO1 GAMMA	PX	.000157	.000157	0	0
53	SO VERT1 GAMMA	PX	8.8e-5	8.8e-5	0	0
54	SO PLATE4 GAMMA	PX	.000336	.000336	0	0
55	SO PLATE3 GAMMA	PX	.000336	.000336	0	0
56	SO PLATE2 GAMMA	PX	.000336	.000336	0	0
57	SO PLATE1 GAMMA	PX	.000336	.000336	0	0
58	MP GAMMA1	PX	.000241	.000241	0	0
59	CONNECTION2 GAMMA	PX	.000399	.000399	0	0
60	CONNECTION1 GAMMA	PX	.000399	.000399	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-8.8e-5	-8.8e-5	0	0
2	SUPP ALPHA	PZ	-.00026	-.00026	0	0
3	SO2 ALPHA	PZ	-.000157	-.000157	0	0
4	SO1 ALPHA	PZ	-.000157	-.000157	0	0
5	SO VERT1 ALPHA	PZ	-8.8e-5	-8.8e-5	0	0
6	SO PLATE4 ALPHA	PZ	-.000336	-.000336	0	0
7	SO PLATE3 ALPHA	PZ	-.000336	-.000336	0	0
8	SO PLATE2 ALPHA	PZ	-.000336	-.000336	0	0
9	SO PLATE1 ALPHA	PZ	-.000336	-.000336	0	0
10	MP ALPHA1	PZ	-.000241	-.000241	0	0
11	CONNECTION2 ALPHA	PZ	-.000399	-.000399	0	0
12	CONNECTION1 ALPHA	PZ	-.000399	-.000399	0	0
13	TIEBACK BETA	PZ	-8.8e-5	-8.8e-5	0	0
14	SUPP BETA	PZ	-.00026	-.00026	0	0
15	SO2 BETA	PZ	-.000157	-.000157	0	0
16	SO1 BETA	PZ	-.000157	-.000157	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
17	SO VERT1 BETA	PZ	-8.8e-5	-8.8e-5	0	0
18	SO PLATE4 BETA	PZ	-.000336	-.000336	0	0
19	SO PLATE3 BETA	PZ	-.000336	-.000336	0	0
20	SO PLATE2 BETA	PZ	-.000336	-.000336	0	0
21	SO PLATE1 BETA	PZ	-.000336	-.000336	0	0
22	MP BETA1	PZ	-.000241	-.000241	0	0
23	CONNECTION2 BETA	PZ	-.000399	-.000399	0	0
24	CONNECTION1 BETA	PZ	-.000399	-.000399	0	0
25	TIEBACK GAMMA	PZ	-.000176	-.000176	0	0
26	SUPP GAMMA	PZ	-.000519	-.000519	0	0
27	SO2 GAMMA	PZ	-.000315	-.000315	0	0
28	SO1 GAMMA	PZ	-.000315	-.000315	0	0
29	SO VERT1 GAMMA	PZ	-.000176	-.000176	0	0
30	SO PLATE4 GAMMA	PZ	-.000672	-.000672	0	0
31	SO PLATE3 GAMMA	PZ	-.000672	-.000672	0	0
32	SO PLATE2 GAMMA	PZ	-.000672	-.000672	0	0
33	SO PLATE1 GAMMA	PZ	-.000672	-.000672	0	0
34	MP GAMMA1	PZ	-.000481	-.000481	0	0
35	CONNECTION2 GAMMA	PZ	-.000798	-.000798	0	0
36	CONNECTION1 GAMMA	PZ	-.000798	-.000798	0	0
37	TIEBACK ALPHA	PX	.000153	.000153	0	0
38	SUPP ALPHA	PX	.00045	.00045	0	0
39	SO2 ALPHA	PX	.000273	.000273	0	0
40	SO1 ALPHA	PX	.000273	.000273	0	0
41	SO VERT1 ALPHA	PX	.000153	.000153	0	0
42	SO PLATE4 ALPHA	PX	.000582	.000582	0	0
43	SO PLATE3 ALPHA	PX	.000582	.000582	0	0
44	SO PLATE2 ALPHA	PX	.000582	.000582	0	0
45	SO PLATE1 ALPHA	PX	.000582	.000582	0	0
46	MP ALPHA1	PX	.000417	.000417	0	0
47	CONNECTION2 ALPHA	PX	.000691	.000691	0	0
48	CONNECTION1 ALPHA	PX	.000691	.000691	0	0
49	TIEBACK BETA	PX	.000153	.000153	0	0
50	SUPP BETA	PX	.00045	.00045	0	0
51	SO2 BETA	PX	.000273	.000273	0	0
52	SO1 BETA	PX	.000273	.000273	0	0
53	SO VERT1 BETA	PX	.000153	.000153	0	0
54	SO PLATE4 BETA	PX	.000582	.000582	0	0
55	SO PLATE3 BETA	PX	.000582	.000582	0	0
56	SO PLATE2 BETA	PX	.000582	.000582	0	0
57	SO PLATE1 BETA	PX	.000582	.000582	0	0
58	MP BETA1	PX	.000417	.000417	0	0
59	CONNECTION2 BETA	PX	.000691	.000691	0	0
60	CONNECTION1 BETA	PX	.000691	.000691	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	.000149	.000149	0	0
2	SUPP ALPHA	PX	.00044	.00044	0	0
3	SO2 ALPHA	PX	.00063	.00063	0	0
4	SO1 ALPHA	PX	.00063	.00063	0	0
5	SO VERT1 ALPHA	PX	.000299	.000299	0	0
6	SO PLATE4 ALPHA	PX	.000672	.000672	0	0
7	SO PLATE3 ALPHA	PX	.000672	.000672	0	0
8	SO PLATE2 ALPHA	PX	.000672	.000672	0	0
9	SO PLATE1 ALPHA	PX	.000672	.000672	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
10	MP ALPHA1	PX	.000481	.000481	0	0
11	CONNECTION2 ALPHA	PX	.000798	.000798	0	0
12	CONNECTION1 ALPHA	PX	.000798	.000798	0	0
13	TIEBACK BETA	PZ	.000153	.000153	0	0
14	SUPP BETA	PZ	.00045	.00045	0	0
15	SO2 BETA	PZ	.000273	.000273	0	0
16	SO1 BETA	PZ	.000273	.000273	0	0
17	SO VERT1 BETA	PZ	.000153	.000153	0	0
18	SO PLATE4 BETA	PZ	.000582	.000582	0	0
19	SO PLATE3 BETA	PZ	.000582	.000582	0	0
20	SO PLATE2 BETA	PZ	.000582	.000582	0	0
21	SO PLATE1 BETA	PZ	.000582	.000582	0	0
22	MP BETA1	PZ	.000417	.000417	0	0
23	CONNECTION2 BETA	PZ	.000691	.000691	0	0
24	CONNECTION1 BETA	PZ	.000691	.000691	0	0
25	TIEBACK GAMMA	PZ	-.000153	-.000153	0	0
26	SUPP GAMMA	PZ	-.00045	-.00045	0	0
27	SO2 GAMMA	PZ	-.000273	-.000273	0	0
28	SO1 GAMMA	PZ	-.000273	-.000273	0	0
29	SO VERT1 GAMMA	PZ	-.000153	-.000153	0	0
30	SO PLATE4 GAMMA	PZ	-.000582	-.000582	0	0
31	SO PLATE3 GAMMA	PZ	-.000582	-.000582	0	0
32	SO PLATE2 GAMMA	PZ	-.000582	-.000582	0	0
33	SO PLATE1 GAMMA	PZ	-.000582	-.000582	0	0
34	MP GAMMA1	PZ	-.000417	-.000417	0	0
35	CONNECTION2 GAMMA	PZ	-.000691	-.000691	0	0
36	CONNECTION1 GAMMA	PZ	-.000691	-.000691	0	0
37	TIEBACK BETA	PX	8.8e-5	8.8e-5	0	0
38	SUPP BETA	PX	.00026	.00026	0	0
39	SO2 BETA	PX	.000157	.000157	0	0
40	SO1 BETA	PX	.000157	.000157	0	0
41	SO VERT1 BETA	PX	8.8e-5	8.8e-5	0	0
42	SO PLATE4 BETA	PX	.000336	.000336	0	0
43	SO PLATE3 BETA	PX	.000336	.000336	0	0
44	SO PLATE2 BETA	PX	.000336	.000336	0	0
45	SO PLATE1 BETA	PX	.000336	.000336	0	0
46	MP BETA1	PX	.000241	.000241	0	0
47	CONNECTION2 BETA	PX	.000399	.000399	0	0
48	CONNECTION1 BETA	PX	.000399	.000399	0	0
49	TIEBACK GAMMA	PX	8.8e-5	8.8e-5	0	0
50	SUPP GAMMA	PX	.00026	.00026	0	0
51	SO2 GAMMA	PX	.000157	.000157	0	0
52	SO1 GAMMA	PX	.000157	.000157	0	0
53	SO VERT1 GAMMA	PX	8.8e-5	8.8e-5	0	0
54	SO PLATE4 GAMMA	PX	.000336	.000336	0	0
55	SO PLATE3 GAMMA	PX	.000336	.000336	0	0
56	SO PLATE2 GAMMA	PX	.000336	.000336	0	0
57	SO PLATE1 GAMMA	PX	.000336	.000336	0	0
58	MP GAMMA1	PX	.000241	.000241	0	0
59	CONNECTION2 GAMMA	PX	.000399	.000399	0	0
60	CONNECTION1 GAMMA	PX	.000399	.000399	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	8.8e-5	8.8e-5	0	0
2	SUPP ALPHA	PZ	.00026	.00026	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
3	SO2 ALPHA	PZ	.000157	.000157	0	0
4	SO1 ALPHA	PZ	.000157	.000157	0	0
5	SO VERT1 ALPHA	PZ	8.8e-5	8.8e-5	0	0
6	SO PLATE4 ALPHA	PZ	.000336	.000336	0	0
7	SO PLATE3 ALPHA	PZ	.000336	.000336	0	0
8	SO PLATE2 ALPHA	PZ	.000336	.000336	0	0
9	SO PLATE1 ALPHA	PZ	.000336	.000336	0	0
10	MP ALPHA1	PZ	.000241	.000241	0	0
11	CONNECTION2 ALPHA	PZ	.000399	.000399	0	0
12	CONNECTION1 ALPHA	PZ	.000399	.000399	0	0
13	TIEBACK BETA	PZ	.000176	.000176	0	0
14	SUPP BETA	PZ	.000519	.000519	0	0
15	SO2 BETA	PZ	.000315	.000315	0	0
16	SO1 BETA	PZ	.000315	.000315	0	0
17	SO VERT1 BETA	PZ	.000176	.000176	0	0
18	SO PLATE4 BETA	PZ	.000672	.000672	0	0
19	SO PLATE3 BETA	PZ	.000672	.000672	0	0
20	SO PLATE2 BETA	PZ	.000672	.000672	0	0
21	SO PLATE1 BETA	PZ	.000672	.000672	0	0
22	MP BETA1	PZ	.000481	.000481	0	0
23	CONNECTION2 BETA	PZ	.000798	.000798	0	0
24	CONNECTION1 BETA	PZ	.000798	.000798	0	0
25	TIEBACK GAMMA	PZ	8.8e-5	8.8e-5	0	0
26	SUPP GAMMA	PZ	.00026	.00026	0	0
27	SO2 GAMMA	PZ	.000157	.000157	0	0
28	SO1 GAMMA	PZ	.000157	.000157	0	0
29	SO VERT1 GAMMA	PZ	8.8e-5	8.8e-5	0	0
30	SO PLATE4 GAMMA	PZ	.000336	.000336	0	0
31	SO PLATE3 GAMMA	PZ	.000336	.000336	0	0
32	SO PLATE2 GAMMA	PZ	.000336	.000336	0	0
33	SO PLATE1 GAMMA	PZ	.000336	.000336	0	0
34	MP GAMMA1	PZ	.000241	.000241	0	0
35	CONNECTION2 GAMMA	PZ	.000399	.000399	0	0
36	CONNECTION1 GAMMA	PZ	.000399	.000399	0	0
37	TIEBACK ALPHA	PX	.000153	.000153	0	0
38	SUPP ALPHA	PX	.00045	.00045	0	0
39	SO2 ALPHA	PX	.000273	.000273	0	0
40	SO1 ALPHA	PX	.000273	.000273	0	0
41	SO VERT1 ALPHA	PX	.000153	.000153	0	0
42	SO PLATE4 ALPHA	PX	.000582	.000582	0	0
43	SO PLATE3 ALPHA	PX	.000582	.000582	0	0
44	SO PLATE2 ALPHA	PX	.000582	.000582	0	0
45	SO PLATE1 ALPHA	PX	.000582	.000582	0	0
46	MP ALPHA1	PX	.000417	.000417	0	0
47	CONNECTION2 ALPHA	PX	.000691	.000691	0	0
48	CONNECTION1 ALPHA	PX	.000691	.000691	0	0
49	TIEBACK GAMMA	PX	.000153	.000153	0	0
50	SUPP GAMMA	PX	.00045	.00045	0	0
51	SO2 GAMMA	PX	.000273	.000273	0	0
52	SO1 GAMMA	PX	.000273	.000273	0	0
53	SO VERT1 GAMMA	PX	.000153	.000153	0	0
54	SO PLATE4 GAMMA	PX	.000582	.000582	0	0
55	SO PLATE3 GAMMA	PX	.000582	.000582	0	0
56	SO PLATE2 GAMMA	PX	.000582	.000582	0	0
57	SO PLATE1 GAMMA	PX	.000582	.000582	0	0
58	MP GAMMA1	PX	.000417	.000417	0	0
59	CONNECTION2 GAMMA	PX	.000691	.000691	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
60	CONNECTION1 GAMMA	PX	.000691	.000691	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000153	.000153	0	0
2	SUPP ALPHA	PZ	.00045	.00045	0	0
3	SO2 ALPHA	PZ	.000273	.000273	0	0
4	SO1 ALPHA	PZ	.000273	.000273	0	0
5	SO VERT1 ALPHA	PZ	.000153	.000153	0	0
6	SO PLATE4 ALPHA	PZ	.000582	.000582	0	0
7	SO PLATE3 ALPHA	PZ	.000582	.000582	0	0
8	SO PLATE2 ALPHA	PZ	.000582	.000582	0	0
9	SO PLATE1 ALPHA	PZ	.000582	.000582	0	0
10	MP ALPHA1	PZ	.000417	.000417	0	0
11	CONNECTION2 ALPHA	PZ	.000691	.000691	0	0
12	CONNECTION1 ALPHA	PZ	.000691	.000691	0	0
13	TIEBACK BETA	PZ	.000153	.000153	0	0
14	SUPP BETA	PZ	.00045	.00045	0	0
15	SO2 BETA	PZ	.000273	.000273	0	0
16	SO1 BETA	PZ	.000273	.000273	0	0
17	SO VERT1 BETA	PZ	.000153	.000153	0	0
18	SO PLATE4 BETA	PZ	.000582	.000582	0	0
19	SO PLATE3 BETA	PZ	.000582	.000582	0	0
20	SO PLATE2 BETA	PZ	.000582	.000582	0	0
21	SO PLATE1 BETA	PZ	.000582	.000582	0	0
22	MP BETA1	PZ	.000417	.000417	0	0
23	CONNECTION2 BETA	PZ	.000691	.000691	0	0
24	CONNECTION1 BETA	PZ	.000691	.000691	0	0
25	TIEBACK GAMMA	PX	.000149	.000149	0	0
26	SUPP GAMMA	PX	.00044	.00044	0	0
27	SO2 GAMMA	PX	.00063	.00063	0	0
28	SO1 GAMMA	PX	.00063	.00063	0	0
29	SO VERT1 GAMMA	PX	.000299	.000299	0	0
30	SO PLATE4 GAMMA	PX	.000672	.000672	0	0
31	SO PLATE3 GAMMA	PX	.000672	.000672	0	0
32	SO PLATE2 GAMMA	PX	.000672	.000672	0	0
33	SO PLATE1 GAMMA	PX	.000672	.000672	0	0
34	MP GAMMA1	PX	.000481	.000481	0	0
35	CONNECTION2 GAMMA	PX	.000798	.000798	0	0
36	CONNECTION1 GAMMA	PX	.000798	.000798	0	0
37	TIEBACK ALPHA	PX	8.8e-5	8.8e-5	0	0
38	SUPP ALPHA	PX	.00026	.00026	0	0
39	SO2 ALPHA	PX	.000157	.000157	0	0
40	SO1 ALPHA	PX	.000157	.000157	0	0
41	SO VERT1 ALPHA	PX	8.8e-5	8.8e-5	0	0
42	SO PLATE4 ALPHA	PX	.000336	.000336	0	0
43	SO PLATE3 ALPHA	PX	.000336	.000336	0	0
44	SO PLATE2 ALPHA	PX	.000336	.000336	0	0
45	SO PLATE1 ALPHA	PX	.000336	.000336	0	0
46	MP ALPHA1	PX	.000241	.000241	0	0
47	CONNECTION2 ALPHA	PX	.000399	.000399	0	0
48	CONNECTION1 ALPHA	PX	.000399	.000399	0	0
49	TIEBACK BETA	PX	8.8e-5	8.8e-5	0	0
50	SUPP BETA	PX	.00026	.00026	0	0
51	SO2 BETA	PX	.000157	.000157	0	0
52	SO1 BETA	PX	.000157	.000157	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
53	SO VERT1 BETA	PX	8.8e-5	8.8e-5	0	0
54	SO PLATE4 BETA	PX	.000336	.000336	0	0
55	SO PLATE3 BETA	PX	.000336	.000336	0	0
56	SO PLATE2 BETA	PX	.000336	.000336	0	0
57	SO PLATE1 BETA	PX	.000336	.000336	0	0
58	MP BETA1	PX	.000241	.000241	0	0
59	CONNECTION2 BETA	PX	.000399	.000399	0	0
60	CONNECTION1 BETA	PX	.000399	.000399	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	Y	-.005	-.005	0	0
2	SUPP ALPHA	Y	-.006	-.006	0	0
3	SO2 ALPHA	Y	-.007	-.007	0	0
4	SO1 ALPHA	Y	-.007	-.007	0	0
5	SO VERT1 ALPHA	Y	-.005	-.005	0	0
6	SO PLATE4 ALPHA	Y	-.006	-.006	0	0
7	SO PLATE3 ALPHA	Y	-.006	-.006	0	0
8	SO PLATE2 ALPHA	Y	-.006	-.006	0	0
9	SO PLATE1 ALPHA	Y	-.006	-.006	0	0
10	MP ALPHA1	Y	-.005	-.005	0	0
11	CONNECTION2 ALPHA	Y	-.012	-.012	0	0
12	CONNECTION1 ALPHA	Y	-.012	-.012	0	0
13	TIEBACK BETA	Y	-.002	-.002	0	0
14	SUPP BETA	Y	-.003	-.003	0	0
15	SO2 BETA	Y	-.004	-.004	0	0
16	SO1 BETA	Y	-.004	-.004	0	0
17	SO VERT1 BETA	Y	-.002	-.002	0	0
18	SO PLATE4 BETA	Y	-.003	-.003	0	0
19	SO PLATE3 BETA	Y	-.003	-.003	0	0
20	SO PLATE2 BETA	Y	-.003	-.003	0	0
21	SO PLATE1 BETA	Y	-.003	-.003	0	0
22	MP BETA1	Y	-.002	-.002	0	0
23	CONNECTION2 BETA	Y	-.006	-.006	0	0
24	CONNECTION1 BETA	Y	-.006	-.006	0	0
25	TIEBACK GAMMA	Y	-.002	-.002	0	0
26	SUPP GAMMA	Y	-.003	-.003	0	0
27	SO2 GAMMA	Y	-.004	-.004	0	0
28	SO1 GAMMA	Y	-.004	-.004	0	0
29	SO VERT1 GAMMA	Y	-.002	-.002	0	0
30	SO PLATE4 GAMMA	Y	-.003	-.003	0	0
31	SO PLATE3 GAMMA	Y	-.003	-.003	0	0
32	SO PLATE2 GAMMA	Y	-.003	-.003	0	0
33	SO PLATE1 GAMMA	Y	-.003	-.003	0	0
34	MP GAMMA1	Y	-.002	-.002	0	0
35	CONNECTION2 GAMMA	Y	-.006	-.006	0	0
36	CONNECTION1 GAMMA	Y	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.001	.001	0	0
2	SUPP ALPHA	PZ	.003	.003	0	0
3	SO2 ALPHA	PZ	.001	.001	0	0
4	SO1 ALPHA	PZ	.001	.001	0	0
5	SO VERT1 ALPHA	PZ	.001	.001	0	0
6	SO PLATE4 ALPHA	PZ	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
7	SO PLATE3 ALPHA	PZ	.002	.002	0	0
8	SO PLATE2 ALPHA	PZ	.002	.002	0	0
9	SO PLATE1 ALPHA	PZ	.002	.002	0	0
10	MP ALPHA1	PZ	.003	.003	0	0
11	CONNECTION2 ALPHA	PZ	.003	.003	0	0
12	CONNECTION1 ALPHA	PZ	.003	.003	0	0
13	TIEBACK BETA	PZ	.000504	.000504	0	0
14	SUPP BETA	PZ	.001	.001	0	0
15	SO2 BETA	PZ	.000596	.000596	0	0
16	SO1 BETA	PZ	.000596	.000596	0	0
17	SO VERT1 BETA	PZ	.000504	.000504	0	0
18	SO PLATE4 BETA	PZ	.001	.001	0	0
19	SO PLATE3 BETA	PZ	.001	.001	0	0
20	SO PLATE2 BETA	PZ	.001	.001	0	0
21	SO PLATE1 BETA	PZ	.001	.001	0	0
22	MP BETA1	PZ	.001	.001	0	0
23	CONNECTION2 BETA	PZ	.001	.001	0	0
24	CONNECTION1 BETA	PZ	.001	.001	0	0
25	TIEBACK GAMMA	PZ	.000504	.000504	0	0
26	SUPP GAMMA	PZ	.001	.001	0	0
27	SO2 GAMMA	PZ	.000596	.000596	0	0
28	SO1 GAMMA	PZ	.000596	.000596	0	0
29	SO VERT1 GAMMA	PZ	.000504	.000504	0	0
30	SO PLATE4 GAMMA	PZ	.001	.001	0	0
31	SO PLATE3 GAMMA	PZ	.001	.001	0	0
32	SO PLATE2 GAMMA	PZ	.001	.001	0	0
33	SO PLATE1 GAMMA	PZ	.001	.001	0	0
34	MP GAMMA1	PZ	.001	.001	0	0
35	CONNECTION2 GAMMA	PZ	.001	.001	0	0
36	CONNECTION1 GAMMA	PZ	.001	.001	0	0
37	TIEBACK BETA	PX	.000873	.000873	0	0
38	SUPP BETA	PX	.002	.002	0	0
39	SO2 BETA	PX	.001	.001	0	0
40	SO1 BETA	PX	.001	.001	0	0
41	SO VERT1 BETA	PX	.000873	.000873	0	0
42	SO PLATE4 BETA	PX	.002	.002	0	0
43	SO PLATE3 BETA	PX	.002	.002	0	0
44	SO PLATE2 BETA	PX	.002	.002	0	0
45	SO PLATE1 BETA	PX	.002	.002	0	0
46	MP BETA1	PX	.002	.002	0	0
47	CONNECTION2 BETA	PX	.002	.002	0	0
48	CONNECTION1 BETA	PX	.002	.002	0	0
49	TIEBACK GAMMA	PX	-.000873	-.000873	0	0
50	SUPP GAMMA	PX	-.002	-.002	0	0
51	SO2 GAMMA	PX	-.001	-.001	0	0
52	SO1 GAMMA	PX	-.001	-.001	0	0
53	SO VERT1 GAMMA	PX	-.000873	-.000873	0	0
54	SO PLATE4 GAMMA	PX	-.002	-.002	0	0
55	SO PLATE3 GAMMA	PX	-.002	-.002	0	0
56	SO PLATE2 GAMMA	PX	-.002	-.002	0	0
57	SO PLATE1 GAMMA	PX	-.002	-.002	0	0
58	MP GAMMA1	PX	-.002	-.002	0	0
59	CONNECTION2 GAMMA	PX	-.002	-.002	0	0
60	CONNECTION1 GAMMA	PX	-.002	-.002	0	0

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

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

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000873	.000873	0	0
2	SUPP ALPHA	PZ	.002	.002	0	0
3	SO2 ALPHA	PZ	.001	.001	0	0
4	SO1 ALPHA	PZ	.001	.001	0	0
5	SO VERT1 ALPHA	PZ	.000873	.000873	0	0
6	SO PLATE4 ALPHA	PZ	.002	.002	0	0
7	SO PLATE3 ALPHA	PZ	.002	.002	0	0
8	SO PLATE2 ALPHA	PZ	.002	.002	0	0
9	SO PLATE1 ALPHA	PZ	.002	.002	0	0
10	MP ALPHA1	PZ	.002	.002	0	0
11	CONNECTION2 ALPHA	PZ	.002	.002	0	0
12	CONNECTION1 ALPHA	PZ	.002	.002	0	0
13	TIEBACK BETA	PX	-.000859	-.000859	0	0
14	SUPP BETA	PX	-.002	-.002	0	0
15	SO2 BETA	PX	-.002	-.002	0	0
16	SO1 BETA	PX	-.002	-.002	0	0
17	SO VERT1 BETA	PX	-.002	-.002	0	0
18	SO PLATE4 BETA	PX	-.002	-.002	0	0
19	SO PLATE3 BETA	PX	-.002	-.002	0	0
20	SO PLATE2 BETA	PX	-.002	-.002	0	0
21	SO PLATE1 BETA	PX	-.002	-.002	0	0
22	MP BETA1	PX	-.003	-.003	0	0
23	CONNECTION2 BETA	PX	-.002	-.002	0	0
24	CONNECTION1 BETA	PX	-.002	-.002	0	0
25	TIEBACK GAMMA	PZ	.000873	.000873	0	0
26	SUPP GAMMA	PZ	.002	.002	0	0
27	SO2 GAMMA	PZ	.001	.001	0	0
28	SO1 GAMMA	PZ	.001	.001	0	0
29	SO VERT1 GAMMA	PZ	.000873	.000873	0	0
30	SO PLATE4 GAMMA	PZ	.002	.002	0	0
31	SO PLATE3 GAMMA	PZ	.002	.002	0	0
32	SO PLATE2 GAMMA	PZ	.002	.002	0	0
33	SO PLATE1 GAMMA	PZ	.002	.002	0	0
34	MP GAMMA1	PZ	.002	.002	0	0
35	CONNECTION2 GAMMA	PZ	.002	.002	0	0
36	CONNECTION1 GAMMA	PZ	.002	.002	0	0
37	TIEBACK ALPHA	PX	-.000504	-.000504	0	0
38	SUPP ALPHA	PX	-.001	-.001	0	0
39	SO2 ALPHA	PX	-.000596	-.000596	0	0
40	SO1 ALPHA	PX	-.000596	-.000596	0	0
41	SO VERT1 ALPHA	PX	-.000504	-.000504	0	0
42	SO PLATE4 ALPHA	PX	-.001	-.001	0	0
43	SO PLATE3 ALPHA	PX	-.001	-.001	0	0
44	SO PLATE2 ALPHA	PX	-.001	-.001	0	0
45	SO PLATE1 ALPHA	PX	-.001	-.001	0	0
46	MP ALPHA1	PX	-.001	-.001	0	0
47	CONNECTION2 ALPHA	PX	-.001	-.001	0	0
48	CONNECTION1 ALPHA	PX	-.001	-.001	0	0
49	TIEBACK GAMMA	PX	-.000504	-.000504	0	0
50	SUPP GAMMA	PX	-.001	-.001	0	0
51	SO2 GAMMA	PX	-.000596	-.000596	0	0
52	SO1 GAMMA	PX	-.000596	-.000596	0	0
53	SO VERT1 GAMMA	PX	-.000504	-.000504	0	0
54	SO PLATE4 GAMMA	PX	-.001	-.001	0	0
55	SO PLATE3 GAMMA	PX	-.001	-.001	0	0
56	SO PLATE2 GAMMA	PX	-.001	-.001	0	0
57	SO PLATE1 GAMMA	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
58	MP GAMMA1	PX	-.001	-.001	0	0
59	CONNECTION2 GAMMA	PX	-.001	-.001	0	0
60	CONNECTION1 GAMMA	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000504	.000504	0	0
2	SUPP ALPHA	PZ	.001	.001	0	0
3	SO2 ALPHA	PZ	.000596	.000596	0	0
4	SO1 ALPHA	PZ	.000596	.000596	0	0
5	SO VERT1 ALPHA	PZ	.000504	.000504	0	0
6	SO PLATE4 ALPHA	PZ	.001	.001	0	0
7	SO PLATE3 ALPHA	PZ	.001	.001	0	0
8	SO PLATE2 ALPHA	PZ	.001	.001	0	0
9	SO PLATE1 ALPHA	PZ	.001	.001	0	0
10	MP ALPHA1	PZ	.001	.001	0	0
11	CONNECTION2 ALPHA	PZ	.001	.001	0	0
12	CONNECTION1 ALPHA	PZ	.001	.001	0	0
13	TIEBACK BETA	PZ	.000504	.000504	0	0
14	SUPP BETA	PZ	.001	.001	0	0
15	SO2 BETA	PZ	.000596	.000596	0	0
16	SO1 BETA	PZ	.000596	.000596	0	0
17	SO VERT1 BETA	PZ	.000504	.000504	0	0
18	SO PLATE4 BETA	PZ	.001	.001	0	0
19	SO PLATE3 BETA	PZ	.001	.001	0	0
20	SO PLATE2 BETA	PZ	.001	.001	0	0
21	SO PLATE1 BETA	PZ	.001	.001	0	0
22	MP BETA1	PZ	.001	.001	0	0
23	CONNECTION2 BETA	PZ	.001	.001	0	0
24	CONNECTION1 BETA	PZ	.001	.001	0	0
25	TIEBACK GAMMA	PZ	.001	.001	0	0
26	SUPP GAMMA	PZ	.003	.003	0	0
27	SO2 GAMMA	PZ	.001	.001	0	0
28	SO1 GAMMA	PZ	.001	.001	0	0
29	SO VERT1 GAMMA	PZ	.001	.001	0	0
30	SO PLATE4 GAMMA	PZ	.002	.002	0	0
31	SO PLATE3 GAMMA	PZ	.002	.002	0	0
32	SO PLATE2 GAMMA	PZ	.002	.002	0	0
33	SO PLATE1 GAMMA	PZ	.002	.002	0	0
34	MP GAMMA1	PZ	.003	.003	0	0
35	CONNECTION2 GAMMA	PZ	.003	.003	0	0
36	CONNECTION1 GAMMA	PZ	.003	.003	0	0
37	TIEBACK ALPHA	PX	-.000873	-.000873	0	0
38	SUPP ALPHA	PX	-.002	-.002	0	0
39	SO2 ALPHA	PX	-.001	-.001	0	0
40	SO1 ALPHA	PX	-.001	-.001	0	0
41	SO VERT1 ALPHA	PX	-.000873	-.000873	0	0
42	SO PLATE4 ALPHA	PX	-.002	-.002	0	0
43	SO PLATE3 ALPHA	PX	-.002	-.002	0	0
44	SO PLATE2 ALPHA	PX	-.002	-.002	0	0
45	SO PLATE1 ALPHA	PX	-.002	-.002	0	0
46	MP ALPHA1	PX	-.002	-.002	0	0
47	CONNECTION2 ALPHA	PX	-.002	-.002	0	0
48	CONNECTION1 ALPHA	PX	-.002	-.002	0	0
49	TIEBACK BETA	PX	-.000873	-.000873	0	0
50	SUPP BETA	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
51	SO2 BETA	PX	-.001	-.001	0	0
52	SO1 BETA	PX	-.001	-.001	0	0
53	SO VERT1 BETA	PX	-.000873	-.000873	0	0
54	SO PLATE4 BETA	PX	-.002	-.002	0	0
55	SO PLATE3 BETA	PX	-.002	-.002	0	0
56	SO PLATE2 BETA	PX	-.002	-.002	0	0
57	SO PLATE1 BETA	PX	-.002	-.002	0	0
58	MP BETA1	PX	-.002	-.002	0	0
59	CONNECTION2 BETA	PX	-.002	-.002	0	0
60	CONNECTION1 BETA	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	-.000859	-.000859	0	0
2	SUPP ALPHA	PX	-.002	-.002	0	0
3	SO2 ALPHA	PX	-.002	-.002	0	0
4	SO1 ALPHA	PX	-.002	-.002	0	0
5	SO VERT1 ALPHA	PX	-.002	-.002	0	0
6	SO PLATE4 ALPHA	PX	-.002	-.002	0	0
7	SO PLATE3 ALPHA	PX	-.002	-.002	0	0
8	SO PLATE2 ALPHA	PX	-.002	-.002	0	0
9	SO PLATE1 ALPHA	PX	-.002	-.002	0	0
10	MP ALPHA1	PX	-.003	-.003	0	0
11	CONNECTION2 ALPHA	PX	-.002	-.002	0	0
12	CONNECTION1 ALPHA	PX	-.002	-.002	0	0
13	TIEBACK BETA	PZ	-.000873	-.000873	0	0
14	SUPP BETA	PZ	-.002	-.002	0	0
15	SO2 BETA	PZ	-.001	-.001	0	0
16	SO1 BETA	PZ	-.001	-.001	0	0
17	SO VERT1 BETA	PZ	-.000873	-.000873	0	0
18	SO PLATE4 BETA	PZ	-.002	-.002	0	0
19	SO PLATE3 BETA	PZ	-.002	-.002	0	0
20	SO PLATE2 BETA	PZ	-.002	-.002	0	0
21	SO PLATE1 BETA	PZ	-.002	-.002	0	0
22	MP BETA1	PZ	-.002	-.002	0	0
23	CONNECTION2 BETA	PZ	-.002	-.002	0	0
24	CONNECTION1 BETA	PZ	-.002	-.002	0	0
25	TIEBACK GAMMA	PZ	.000873	.000873	0	0
26	SUPP GAMMA	PZ	.002	.002	0	0
27	SO2 GAMMA	PZ	.001	.001	0	0
28	SO1 GAMMA	PZ	.001	.001	0	0
29	SO VERT1 GAMMA	PZ	.000873	.000873	0	0
30	SO PLATE4 GAMMA	PZ	.002	.002	0	0
31	SO PLATE3 GAMMA	PZ	.002	.002	0	0
32	SO PLATE2 GAMMA	PZ	.002	.002	0	0
33	SO PLATE1 GAMMA	PZ	.002	.002	0	0
34	MP GAMMA1	PZ	.002	.002	0	0
35	CONNECTION2 GAMMA	PZ	.002	.002	0	0
36	CONNECTION1 GAMMA	PZ	.002	.002	0	0
37	TIEBACK BETA	PX	-.000504	-.000504	0	0
38	SUPP BETA	PX	-.001	-.001	0	0
39	SO2 BETA	PX	-.000596	-.000596	0	0
40	SO1 BETA	PX	-.000596	-.000596	0	0
41	SO VERT1 BETA	PX	-.000504	-.000504	0	0
42	SO PLATE4 BETA	PX	-.001	-.001	0	0
43	SO PLATE3 BETA	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
44	SO PLATE2 BETA	PX	-.001	-.001	0	0
45	SO PLATE1 BETA	PX	-.001	-.001	0	0
46	MP BETA1	PX	-.001	-.001	0	0
47	CONNECTION2 BETA	PX	-.001	-.001	0	0
48	CONNECTION1 BETA	PX	-.001	-.001	0	0
49	TIEBACK GAMMA	PX	-.000504	-.000504	0	0
50	SUPP GAMMA	PX	-.001	-.001	0	0
51	SO2 GAMMA	PX	-.000596	-.000596	0	0
52	SO1 GAMMA	PX	-.000596	-.000596	0	0
53	SO VERT1 GAMMA	PX	-.000504	-.000504	0	0
54	SO PLATE4 GAMMA	PX	-.001	-.001	0	0
55	SO PLATE3 GAMMA	PX	-.001	-.001	0	0
56	SO PLATE2 GAMMA	PX	-.001	-.001	0	0
57	SO PLATE1 GAMMA	PX	-.001	-.001	0	0
58	MP GAMMA1	PX	-.001	-.001	0	0
59	CONNECTION2 GAMMA	PX	-.001	-.001	0	0
60	CONNECTION1 GAMMA	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000504	-.000504	0	0
2	SUPP ALPHA	PZ	-.001	-.001	0	0
3	SO2 ALPHA	PZ	-.000596	-.000596	0	0
4	SO1 ALPHA	PZ	-.000596	-.000596	0	0
5	SO VERT1 ALPHA	PZ	-.000504	-.000504	0	0
6	SO PLATE4 ALPHA	PZ	-.001	-.001	0	0
7	SO PLATE3 ALPHA	PZ	-.001	-.001	0	0
8	SO PLATE2 ALPHA	PZ	-.001	-.001	0	0
9	SO PLATE1 ALPHA	PZ	-.001	-.001	0	0
10	MP ALPHA1	PZ	-.001	-.001	0	0
11	CONNECTION2 ALPHA	PZ	-.001	-.001	0	0
12	CONNECTION1 ALPHA	PZ	-.001	-.001	0	0
13	TIEBACK BETA	PZ	-.001	-.001	0	0
14	SUPP BETA	PZ	-.003	-.003	0	0
15	SO2 BETA	PZ	-.001	-.001	0	0
16	SO1 BETA	PZ	-.001	-.001	0	0
17	SO VERT1 BETA	PZ	-.001	-.001	0	0
18	SO PLATE4 BETA	PZ	-.002	-.002	0	0
19	SO PLATE3 BETA	PZ	-.002	-.002	0	0
20	SO PLATE2 BETA	PZ	-.002	-.002	0	0
21	SO PLATE1 BETA	PZ	-.002	-.002	0	0
22	MP BETA1	PZ	-.003	-.003	0	0
23	CONNECTION2 BETA	PZ	-.003	-.003	0	0
24	CONNECTION1 BETA	PZ	-.003	-.003	0	0
25	TIEBACK GAMMA	PZ	-.000504	-.000504	0	0
26	SUPP GAMMA	PZ	-.001	-.001	0	0
27	SO2 GAMMA	PZ	-.000596	-.000596	0	0
28	SO1 GAMMA	PZ	-.000596	-.000596	0	0
29	SO VERT1 GAMMA	PZ	-.000504	-.000504	0	0
30	SO PLATE4 GAMMA	PZ	-.001	-.001	0	0
31	SO PLATE3 GAMMA	PZ	-.001	-.001	0	0
32	SO PLATE2 GAMMA	PZ	-.001	-.001	0	0
33	SO PLATE1 GAMMA	PZ	-.001	-.001	0	0
34	MP GAMMA1	PZ	-.001	-.001	0	0
35	CONNECTION2 GAMMA	PZ	-.001	-.001	0	0
36	CONNECTION1 GAMMA	PZ	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
37	TIEBACK ALPHA	PX	-.000873	-.000873	0	0
38	SUPP ALPHA	PX	-.002	-.002	0	0
39	SO2 ALPHA	PX	-.001	-.001	0	0
40	SO1 ALPHA	PX	-.001	-.001	0	0
41	SO VERT1 ALPHA	PX	-.000873	-.000873	0	0
42	SO PLATE4 ALPHA	PX	-.002	-.002	0	0
43	SO PLATE3 ALPHA	PX	-.002	-.002	0	0
44	SO PLATE2 ALPHA	PX	-.002	-.002	0	0
45	SO PLATE1 ALPHA	PX	-.002	-.002	0	0
46	MP ALPHA1	PX	-.002	-.002	0	0
47	CONNECTION2 ALPHA	PX	-.002	-.002	0	0
48	CONNECTION1 ALPHA	PX	-.002	-.002	0	0
49	TIEBACK GAMMA	PX	-.000873	-.000873	0	0
50	SUPP GAMMA	PX	-.002	-.002	0	0
51	SO2 GAMMA	PX	-.001	-.001	0	0
52	SO1 GAMMA	PX	-.001	-.001	0	0
53	SO VERT1 GAMMA	PX	-.000873	-.000873	0	0
54	SO PLATE4 GAMMA	PX	-.002	-.002	0	0
55	SO PLATE3 GAMMA	PX	-.002	-.002	0	0
56	SO PLATE2 GAMMA	PX	-.002	-.002	0	0
57	SO PLATE1 GAMMA	PX	-.002	-.002	0	0
58	MP GAMMA1	PX	-.002	-.002	0	0
59	CONNECTION2 GAMMA	PX	-.002	-.002	0	0
60	CONNECTION1 GAMMA	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000873	-.000873	0	0
2	SUPP ALPHA	PZ	-.002	-.002	0	0
3	SO2 ALPHA	PZ	-.001	-.001	0	0
4	SO1 ALPHA	PZ	-.001	-.001	0	0
5	SO VERT1 ALPHA	PZ	-.000873	-.000873	0	0
6	SO PLATE4 ALPHA	PZ	-.002	-.002	0	0
7	SO PLATE3 ALPHA	PZ	-.002	-.002	0	0
8	SO PLATE2 ALPHA	PZ	-.002	-.002	0	0
9	SO PLATE1 ALPHA	PZ	-.002	-.002	0	0
10	MP ALPHA1	PZ	-.002	-.002	0	0
11	CONNECTION2 ALPHA	PZ	-.002	-.002	0	0
12	CONNECTION1 ALPHA	PZ	-.002	-.002	0	0
13	TIEBACK BETA	PZ	-.000873	-.000873	0	0
14	SUPP BETA	PZ	-.002	-.002	0	0
15	SO2 BETA	PZ	-.001	-.001	0	0
16	SO1 BETA	PZ	-.001	-.001	0	0
17	SO VERT1 BETA	PZ	-.000873	-.000873	0	0
18	SO PLATE4 BETA	PZ	-.002	-.002	0	0
19	SO PLATE3 BETA	PZ	-.002	-.002	0	0
20	SO PLATE2 BETA	PZ	-.002	-.002	0	0
21	SO PLATE1 BETA	PZ	-.002	-.002	0	0
22	MP BETA1	PZ	-.002	-.002	0	0
23	CONNECTION2 BETA	PZ	-.002	-.002	0	0
24	CONNECTION1 BETA	PZ	-.002	-.002	0	0
25	TIEBACK GAMMA	PX	-.000859	-.000859	0	0
26	SUPP GAMMA	PX	-.002	-.002	0	0
27	SO2 GAMMA	PX	-.002	-.002	0	0
28	SO1 GAMMA	PX	-.002	-.002	0	0
29	SO VERT1 GAMMA	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
30	SO PLATE4 GAMMA	PX	-.002	-.002	0	0
31	SO PLATE3 GAMMA	PX	-.002	-.002	0	0
32	SO PLATE2 GAMMA	PX	-.002	-.002	0	0
33	SO PLATE1 GAMMA	PX	-.002	-.002	0	0
34	MP GAMMA1	PX	-.003	-.003	0	0
35	CONNECTION2 GAMMA	PX	-.002	-.002	0	0
36	CONNECTION1 GAMMA	PX	-.002	-.002	0	0
37	TIEBACK ALPHA	PX	-.000504	-.000504	0	0
38	SUPP ALPHA	PX	-.001	-.001	0	0
39	SO2 ALPHA	PX	-.000596	-.000596	0	0
40	SO1 ALPHA	PX	-.000596	-.000596	0	0
41	SO VERT1 ALPHA	PX	-.000504	-.000504	0	0
42	SO PLATE4 ALPHA	PX	-.001	-.001	0	0
43	SO PLATE3 ALPHA	PX	-.001	-.001	0	0
44	SO PLATE2 ALPHA	PX	-.001	-.001	0	0
45	SO PLATE1 ALPHA	PX	-.001	-.001	0	0
46	MP ALPHA1	PX	-.001	-.001	0	0
47	CONNECTION2 ALPHA	PX	-.001	-.001	0	0
48	CONNECTION1 ALPHA	PX	-.001	-.001	0	0
49	TIEBACK BETA	PX	-.000504	-.000504	0	0
50	SUPP BETA	PX	-.001	-.001	0	0
51	SO2 BETA	PX	-.000596	-.000596	0	0
52	SO1 BETA	PX	-.000596	-.000596	0	0
53	SO VERT1 BETA	PX	-.000504	-.000504	0	0
54	SO PLATE4 BETA	PX	-.001	-.001	0	0
55	SO PLATE3 BETA	PX	-.001	-.001	0	0
56	SO PLATE2 BETA	PX	-.001	-.001	0	0
57	SO PLATE1 BETA	PX	-.001	-.001	0	0
58	MP BETA1	PX	-.001	-.001	0	0
59	CONNECTION2 BETA	PX	-.001	-.001	0	0
60	CONNECTION1 BETA	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.001	-.001	0	0
2	SUPP ALPHA	PZ	-.003	-.003	0	0
3	SO2 ALPHA	PZ	-.001	-.001	0	0
4	SO1 ALPHA	PZ	-.001	-.001	0	0
5	SO VERT1 ALPHA	PZ	-.001	-.001	0	0
6	SO PLATE4 ALPHA	PZ	-.002	-.002	0	0
7	SO PLATE3 ALPHA	PZ	-.002	-.002	0	0
8	SO PLATE2 ALPHA	PZ	-.002	-.002	0	0
9	SO PLATE1 ALPHA	PZ	-.002	-.002	0	0
10	MP ALPHA1	PZ	-.003	-.003	0	0
11	CONNECTION2 ALPHA	PZ	-.003	-.003	0	0
12	CONNECTION1 ALPHA	PZ	-.003	-.003	0	0
13	TIEBACK BETA	PZ	-.000504	-.000504	0	0
14	SUPP BETA	PZ	-.001	-.001	0	0
15	SO2 BETA	PZ	-.000596	-.000596	0	0
16	SO1 BETA	PZ	-.000596	-.000596	0	0
17	SO VERT1 BETA	PZ	-.000504	-.000504	0	0
18	SO PLATE4 BETA	PZ	-.001	-.001	0	0
19	SO PLATE3 BETA	PZ	-.001	-.001	0	0
20	SO PLATE2 BETA	PZ	-.001	-.001	0	0
21	SO PLATE1 BETA	PZ	-.001	-.001	0	0
22	MP BETA1	PZ	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
23	CONNECTION2 BETA	PZ	-.001	-.001	0	0
24	CONNECTION1 BETA	PZ	-.001	-.001	0	0
25	TIEBACK GAMMA	PZ	-.000504	-.000504	0	0
26	SUPP GAMMA	PZ	-.001	-.001	0	0
27	SO2 GAMMA	PZ	-.000596	-.000596	0	0
28	SO1 GAMMA	PZ	-.000596	-.000596	0	0
29	SO VERT1 GAMMA	PZ	-.000504	-.000504	0	0
30	SO PLATE4 GAMMA	PZ	-.001	-.001	0	0
31	SO PLATE3 GAMMA	PZ	-.001	-.001	0	0
32	SO PLATE2 GAMMA	PZ	-.001	-.001	0	0
33	SO PLATE1 GAMMA	PZ	-.001	-.001	0	0
34	MP GAMMA1	PZ	-.001	-.001	0	0
35	CONNECTION2 GAMMA	PZ	-.001	-.001	0	0
36	CONNECTION1 GAMMA	PZ	-.001	-.001	0	0
37	TIEBACK BETA	PX	-.000873	-.000873	0	0
38	SUPP BETA	PX	-.002	-.002	0	0
39	SO2 BETA	PX	-.001	-.001	0	0
40	SO1 BETA	PX	-.001	-.001	0	0
41	SO VERT1 BETA	PX	-.000873	-.000873	0	0
42	SO PLATE4 BETA	PX	-.002	-.002	0	0
43	SO PLATE3 BETA	PX	-.002	-.002	0	0
44	SO PLATE2 BETA	PX	-.002	-.002	0	0
45	SO PLATE1 BETA	PX	-.002	-.002	0	0
46	MP BETA1	PX	-.002	-.002	0	0
47	CONNECTION2 BETA	PX	-.002	-.002	0	0
48	CONNECTION1 BETA	PX	-.002	-.002	0	0
49	TIEBACK GAMMA	PX	.000873	.000873	0	0
50	SUPP GAMMA	PX	.002	.002	0	0
51	SO2 GAMMA	PX	.001	.001	0	0
52	SO1 GAMMA	PX	.001	.001	0	0
53	SO VERT1 GAMMA	PX	.000873	.000873	0	0
54	SO PLATE4 GAMMA	PX	.002	.002	0	0
55	SO PLATE3 GAMMA	PX	.002	.002	0	0
56	SO PLATE2 GAMMA	PX	.002	.002	0	0
57	SO PLATE1 GAMMA	PX	.002	.002	0	0
58	MP GAMMA1	PX	.002	.002	0	0
59	CONNECTION2 GAMMA	PX	.002	.002	0	0
60	CONNECTION1 GAMMA	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000873	-.000873	0	0
2	SUPP ALPHA	PZ	-.002	-.002	0	0
3	SO2 ALPHA	PZ	-.001	-.001	0	0
4	SO1 ALPHA	PZ	-.001	-.001	0	0
5	SO VERT1 ALPHA	PZ	-.000873	-.000873	0	0
6	SO PLATE4 ALPHA	PZ	-.002	-.002	0	0
7	SO PLATE3 ALPHA	PZ	-.002	-.002	0	0
8	SO PLATE2 ALPHA	PZ	-.002	-.002	0	0
9	SO PLATE1 ALPHA	PZ	-.002	-.002	0	0
10	MP ALPHA1	PZ	-.002	-.002	0	0
11	CONNECTION2 ALPHA	PZ	-.002	-.002	0	0
12	CONNECTION1 ALPHA	PZ	-.002	-.002	0	0
13	TIEBACK BETA	PX	.000859	.000859	0	0
14	SUPP BETA	PX	.002	.002	0	0
15	SO2 BETA	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
16	SO1 BETA	PX	.002	.002	0	0
17	SO VERT1 BETA	PX	.002	.002	0	0
18	SO PLATE4 BETA	PX	.002	.002	0	0
19	SO PLATE3 BETA	PX	.002	.002	0	0
20	SO PLATE2 BETA	PX	.002	.002	0	0
21	SO PLATE1 BETA	PX	.002	.002	0	0
22	MP BETA1	PX	.003	.003	0	0
23	CONNECTION2 BETA	PX	.002	.002	0	0
24	CONNECTION1 BETA	PX	.002	.002	0	0
25	TIEBACK GAMMA	PZ	-.000873	-.000873	0	0
26	SUPP GAMMA	PZ	-.002	-.002	0	0
27	SO2 GAMMA	PZ	-.001	-.001	0	0
28	SO1 GAMMA	PZ	-.001	-.001	0	0
29	SO VERT1 GAMMA	PZ	-.000873	-.000873	0	0
30	SO PLATE4 GAMMA	PZ	-.002	-.002	0	0
31	SO PLATE3 GAMMA	PZ	-.002	-.002	0	0
32	SO PLATE2 GAMMA	PZ	-.002	-.002	0	0
33	SO PLATE1 GAMMA	PZ	-.002	-.002	0	0
34	MP GAMMA1	PZ	-.002	-.002	0	0
35	CONNECTION2 GAMMA	PZ	-.002	-.002	0	0
36	CONNECTION1 GAMMA	PZ	-.002	-.002	0	0
37	TIEBACK ALPHA	PX	.000504	.000504	0	0
38	SUPP ALPHA	PX	.001	.001	0	0
39	SO2 ALPHA	PX	.000596	.000596	0	0
40	SO1 ALPHA	PX	.000596	.000596	0	0
41	SO VERT1 ALPHA	PX	.000504	.000504	0	0
42	SO PLATE4 ALPHA	PX	.001	.001	0	0
43	SO PLATE3 ALPHA	PX	.001	.001	0	0
44	SO PLATE2 ALPHA	PX	.001	.001	0	0
45	SO PLATE1 ALPHA	PX	.001	.001	0	0
46	MP ALPHA1	PX	.001	.001	0	0
47	CONNECTION2 ALPHA	PX	.001	.001	0	0
48	CONNECTION1 ALPHA	PX	.001	.001	0	0
49	TIEBACK GAMMA	PX	.000504	.000504	0	0
50	SUPP GAMMA	PX	.001	.001	0	0
51	SO2 GAMMA	PX	.000596	.000596	0	0
52	SO1 GAMMA	PX	.000596	.000596	0	0
53	SO VERT1 GAMMA	PX	.000504	.000504	0	0
54	SO PLATE4 GAMMA	PX	.001	.001	0	0
55	SO PLATE3 GAMMA	PX	.001	.001	0	0
56	SO PLATE2 GAMMA	PX	.001	.001	0	0
57	SO PLATE1 GAMMA	PX	.001	.001	0	0
58	MP GAMMA1	PX	.001	.001	0	0
59	CONNECTION2 GAMMA	PX	.001	.001	0	0
60	CONNECTION1 GAMMA	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000504	-.000504	0	0
2	SUPP ALPHA	PZ	-.001	-.001	0	0
3	SO2 ALPHA	PZ	-.000596	-.000596	0	0
4	SO1 ALPHA	PZ	-.000596	-.000596	0	0
5	SO VERT1 ALPHA	PZ	-.000504	-.000504	0	0
6	SO PLATE4 ALPHA	PZ	-.001	-.001	0	0
7	SO PLATE3 ALPHA	PZ	-.001	-.001	0	0
8	SO PLATE2 ALPHA	PZ	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
9	SO PLATE1 ALPHA	PZ	-.001	-.001	0	0
10	MP ALPHA1	PZ	-.001	-.001	0	0
11	CONNECTION2 ALPHA	PZ	-.001	-.001	0	0
12	CONNECTION1 ALPHA	PZ	-.001	-.001	0	0
13	TIEBACK BETA	PZ	-.000504	-.000504	0	0
14	SUPP BETA	PZ	-.001	-.001	0	0
15	SO2 BETA	PZ	-.000596	-.000596	0	0
16	SO1 BETA	PZ	-.000596	-.000596	0	0
17	SO VERT1 BETA	PZ	-.000504	-.000504	0	0
18	SO PLATE4 BETA	PZ	-.001	-.001	0	0
19	SO PLATE3 BETA	PZ	-.001	-.001	0	0
20	SO PLATE2 BETA	PZ	-.001	-.001	0	0
21	SO PLATE1 BETA	PZ	-.001	-.001	0	0
22	MP BETA1	PZ	-.001	-.001	0	0
23	CONNECTION2 BETA	PZ	-.001	-.001	0	0
24	CONNECTION1 BETA	PZ	-.001	-.001	0	0
25	TIEBACK GAMMA	PZ	-.001	-.001	0	0
26	SUPP GAMMA	PZ	-.003	-.003	0	0
27	SO2 GAMMA	PZ	-.001	-.001	0	0
28	SO1 GAMMA	PZ	-.001	-.001	0	0
29	SO VERT1 GAMMA	PZ	-.001	-.001	0	0
30	SO PLATE4 GAMMA	PZ	-.002	-.002	0	0
31	SO PLATE3 GAMMA	PZ	-.002	-.002	0	0
32	SO PLATE2 GAMMA	PZ	-.002	-.002	0	0
33	SO PLATE1 GAMMA	PZ	-.002	-.002	0	0
34	MP GAMMA1	PZ	-.003	-.003	0	0
35	CONNECTION2 GAMMA	PZ	-.003	-.003	0	0
36	CONNECTION1 GAMMA	PZ	-.003	-.003	0	0
37	TIEBACK ALPHA	PX	.000873	.000873	0	0
38	SUPP ALPHA	PX	.002	.002	0	0
39	SO2 ALPHA	PX	.001	.001	0	0
40	SO1 ALPHA	PX	.001	.001	0	0
41	SO VERT1 ALPHA	PX	.000873	.000873	0	0
42	SO PLATE4 ALPHA	PX	.002	.002	0	0
43	SO PLATE3 ALPHA	PX	.002	.002	0	0
44	SO PLATE2 ALPHA	PX	.002	.002	0	0
45	SO PLATE1 ALPHA	PX	.002	.002	0	0
46	MP ALPHA1	PX	.002	.002	0	0
47	CONNECTION2 ALPHA	PX	.002	.002	0	0
48	CONNECTION1 ALPHA	PX	.002	.002	0	0
49	TIEBACK BETA	PX	.000873	.000873	0	0
50	SUPP BETA	PX	.002	.002	0	0
51	SO2 BETA	PX	.001	.001	0	0
52	SO1 BETA	PX	.001	.001	0	0
53	SO VERT1 BETA	PX	.000873	.000873	0	0
54	SO PLATE4 BETA	PX	.002	.002	0	0
55	SO PLATE3 BETA	PX	.002	.002	0	0
56	SO PLATE2 BETA	PX	.002	.002	0	0
57	SO PLATE1 BETA	PX	.002	.002	0	0
58	MP BETA1	PX	.002	.002	0	0
59	CONNECTION2 BETA	PX	.002	.002	0	0
60	CONNECTION1 BETA	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	.000859	.000859	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
2	SUPP ALPHA	PX	.002	.002	0	0
3	SO2 ALPHA	PX	.002	.002	0	0
4	SO1 ALPHA	PX	.002	.002	0	0
5	SO VERT1 ALPHA	PX	.002	.002	0	0
6	SO PLATE4 ALPHA	PX	.002	.002	0	0
7	SO PLATE3 ALPHA	PX	.002	.002	0	0
8	SO PLATE2 ALPHA	PX	.002	.002	0	0
9	SO PLATE1 ALPHA	PX	.002	.002	0	0
10	MP ALPHA1	PX	.003	.003	0	0
11	CONNECTION2 ALPHA	PX	.002	.002	0	0
12	CONNECTION1 ALPHA	PX	.002	.002	0	0
13	TIEBACK BETA	PZ	.000873	.000873	0	0
14	SUPP BETA	PZ	.002	.002	0	0
15	SO2 BETA	PZ	.001	.001	0	0
16	SO1 BETA	PZ	.001	.001	0	0
17	SO VERT1 BETA	PZ	.000873	.000873	0	0
18	SO PLATE4 BETA	PZ	.002	.002	0	0
19	SO PLATE3 BETA	PZ	.002	.002	0	0
20	SO PLATE2 BETA	PZ	.002	.002	0	0
21	SO PLATE1 BETA	PZ	.002	.002	0	0
22	MP BETA1	PZ	.002	.002	0	0
23	CONNECTION2 BETA	PZ	.002	.002	0	0
24	CONNECTION1 BETA	PZ	.002	.002	0	0
25	TIEBACK GAMMA	PZ	-.000873	-.000873	0	0
26	SUPP GAMMA	PZ	-.002	-.002	0	0
27	SO2 GAMMA	PZ	-.001	-.001	0	0
28	SO1 GAMMA	PZ	-.001	-.001	0	0
29	SO VERT1 GAMMA	PZ	-.000873	-.000873	0	0
30	SO PLATE4 GAMMA	PZ	-.002	-.002	0	0
31	SO PLATE3 GAMMA	PZ	-.002	-.002	0	0
32	SO PLATE2 GAMMA	PZ	-.002	-.002	0	0
33	SO PLATE1 GAMMA	PZ	-.002	-.002	0	0
34	MP GAMMA1	PZ	-.002	-.002	0	0
35	CONNECTION2 GAMMA	PZ	-.002	-.002	0	0
36	CONNECTION1 GAMMA	PZ	-.002	-.002	0	0
37	TIEBACK BETA	PX	.000504	.000504	0	0
38	SUPP BETA	PX	.001	.001	0	0
39	SO2 BETA	PX	.000596	.000596	0	0
40	SO1 BETA	PX	.000596	.000596	0	0
41	SO VERT1 BETA	PX	.000504	.000504	0	0
42	SO PLATE4 BETA	PX	.001	.001	0	0
43	SO PLATE3 BETA	PX	.001	.001	0	0
44	SO PLATE2 BETA	PX	.001	.001	0	0
45	SO PLATE1 BETA	PX	.001	.001	0	0
46	MP BETA1	PX	.001	.001	0	0
47	CONNECTION2 BETA	PX	.001	.001	0	0
48	CONNECTION1 BETA	PX	.001	.001	0	0
49	TIEBACK GAMMA	PX	.000504	.000504	0	0
50	SUPP GAMMA	PX	.001	.001	0	0
51	SO2 GAMMA	PX	.000596	.000596	0	0
52	SO1 GAMMA	PX	.000596	.000596	0	0
53	SO VERT1 GAMMA	PX	.000504	.000504	0	0
54	SO PLATE4 GAMMA	PX	.001	.001	0	0
55	SO PLATE3 GAMMA	PX	.001	.001	0	0
56	SO PLATE2 GAMMA	PX	.001	.001	0	0
57	SO PLATE1 GAMMA	PX	.001	.001	0	0
58	MP GAMMA1	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
59	CONNECTION2 GAMMA	PX	.001	.001	0	0
60	CONNECTION1 GAMMA	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000504	.000504	0	0
2	SUPP ALPHA	PZ	.001	.001	0	0
3	SO2 ALPHA	PZ	.000596	.000596	0	0
4	SO1 ALPHA	PZ	.000596	.000596	0	0
5	SO VERT1 ALPHA	PZ	.000504	.000504	0	0
6	SO PLATE4 ALPHA	PZ	.001	.001	0	0
7	SO PLATE3 ALPHA	PZ	.001	.001	0	0
8	SO PLATE2 ALPHA	PZ	.001	.001	0	0
9	SO PLATE1 ALPHA	PZ	.001	.001	0	0
10	MP ALPHA1	PZ	.001	.001	0	0
11	CONNECTION2 ALPHA	PZ	.001	.001	0	0
12	CONNECTION1 ALPHA	PZ	.001	.001	0	0
13	TIEBACK BETA	PZ	.001	.001	0	0
14	SUPP BETA	PZ	.003	.003	0	0
15	SO2 BETA	PZ	.001	.001	0	0
16	SO1 BETA	PZ	.001	.001	0	0
17	SO VERT1 BETA	PZ	.001	.001	0	0
18	SO PLATE4 BETA	PZ	.002	.002	0	0
19	SO PLATE3 BETA	PZ	.002	.002	0	0
20	SO PLATE2 BETA	PZ	.002	.002	0	0
21	SO PLATE1 BETA	PZ	.002	.002	0	0
22	MP BETA1	PZ	.003	.003	0	0
23	CONNECTION2 BETA	PZ	.003	.003	0	0
24	CONNECTION1 BETA	PZ	.003	.003	0	0
25	TIEBACK GAMMA	PZ	.000504	.000504	0	0
26	SUPP GAMMA	PZ	.001	.001	0	0
27	SO2 GAMMA	PZ	.000596	.000596	0	0
28	SO1 GAMMA	PZ	.000596	.000596	0	0
29	SO VERT1 GAMMA	PZ	.000504	.000504	0	0
30	SO PLATE4 GAMMA	PZ	.001	.001	0	0
31	SO PLATE3 GAMMA	PZ	.001	.001	0	0
32	SO PLATE2 GAMMA	PZ	.001	.001	0	0
33	SO PLATE1 GAMMA	PZ	.001	.001	0	0
34	MP GAMMA1	PZ	.001	.001	0	0
35	CONNECTION2 GAMMA	PZ	.001	.001	0	0
36	CONNECTION1 GAMMA	PZ	.001	.001	0	0
37	TIEBACK ALPHA	PX	.000873	.000873	0	0
38	SUPP ALPHA	PX	.002	.002	0	0
39	SO2 ALPHA	PX	.001	.001	0	0
40	SO1 ALPHA	PX	.001	.001	0	0
41	SO VERT1 ALPHA	PX	.000873	.000873	0	0
42	SO PLATE4 ALPHA	PX	.002	.002	0	0
43	SO PLATE3 ALPHA	PX	.002	.002	0	0
44	SO PLATE2 ALPHA	PX	.002	.002	0	0
45	SO PLATE1 ALPHA	PX	.002	.002	0	0
46	MP ALPHA1	PX	.002	.002	0	0
47	CONNECTION2 ALPHA	PX	.002	.002	0	0
48	CONNECTION1 ALPHA	PX	.002	.002	0	0
49	TIEBACK GAMMA	PX	.000873	.000873	0	0
50	SUPP GAMMA	PX	.002	.002	0	0
51	SO2 GAMMA	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
52	SO1 GAMMA	PX	.001	.001	0	0
53	SO VERT1 GAMMA	PX	.000873	.000873	0	0
54	SO PLATE4 GAMMA	PX	.002	.002	0	0
55	SO PLATE3 GAMMA	PX	.002	.002	0	0
56	SO PLATE2 GAMMA	PX	.002	.002	0	0
57	SO PLATE1 GAMMA	PX	.002	.002	0	0
58	MP GAMMA1	PX	.002	.002	0	0
59	CONNECTION2 GAMMA	PX	.002	.002	0	0
60	CONNECTION1 GAMMA	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000873	.000873	0	0
2	SUPP ALPHA	PZ	.002	.002	0	0
3	SO2 ALPHA	PZ	.001	.001	0	0
4	SO1 ALPHA	PZ	.001	.001	0	0
5	SO VERT1 ALPHA	PZ	.000873	.000873	0	0
6	SO PLATE4 ALPHA	PZ	.002	.002	0	0
7	SO PLATE3 ALPHA	PZ	.002	.002	0	0
8	SO PLATE2 ALPHA	PZ	.002	.002	0	0
9	SO PLATE1 ALPHA	PZ	.002	.002	0	0
10	MP ALPHA1	PZ	.002	.002	0	0
11	CONNECTION2 ALPHA	PZ	.002	.002	0	0
12	CONNECTION1 ALPHA	PZ	.002	.002	0	0
13	TIEBACK BETA	PZ	.000873	.000873	0	0
14	SUPP BETA	PZ	.002	.002	0	0
15	SO2 BETA	PZ	.001	.001	0	0
16	SO1 BETA	PZ	.001	.001	0	0
17	SO VERT1 BETA	PZ	.000873	.000873	0	0
18	SO PLATE4 BETA	PZ	.002	.002	0	0
19	SO PLATE3 BETA	PZ	.002	.002	0	0
20	SO PLATE2 BETA	PZ	.002	.002	0	0
21	SO PLATE1 BETA	PZ	.002	.002	0	0
22	MP BETA1	PZ	.002	.002	0	0
23	CONNECTION2 BETA	PZ	.002	.002	0	0
24	CONNECTION1 BETA	PZ	.002	.002	0	0
25	TIEBACK GAMMA	PX	.000859	.000859	0	0
26	SUPP GAMMA	PX	.002	.002	0	0
27	SO2 GAMMA	PX	.002	.002	0	0
28	SO1 GAMMA	PX	.002	.002	0	0
29	SO VERT1 GAMMA	PX	.002	.002	0	0
30	SO PLATE4 GAMMA	PX	.002	.002	0	0
31	SO PLATE3 GAMMA	PX	.002	.002	0	0
32	SO PLATE2 GAMMA	PX	.002	.002	0	0
33	SO PLATE1 GAMMA	PX	.002	.002	0	0
34	MP GAMMA1	PX	.003	.003	0	0
35	CONNECTION2 GAMMA	PX	.002	.002	0	0
36	CONNECTION1 GAMMA	PX	.002	.002	0	0
37	TIEBACK ALPHA	PX	.000504	.000504	0	0
38	SUPP ALPHA	PX	.001	.001	0	0
39	SO2 ALPHA	PX	.000596	.000596	0	0
40	SO1 ALPHA	PX	.000596	.000596	0	0
41	SO VERT1 ALPHA	PX	.000504	.000504	0	0
42	SO PLATE4 ALPHA	PX	.001	.001	0	0
43	SO PLATE3 ALPHA	PX	.001	.001	0	0
44	SO PLATE2 ALPHA	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
45	SO PLATE1 ALPHA	PX	.001	.001	0	0
46	MP ALPHA1	PX	.001	.001	0	0
47	CONNECTION2 ALPHA	PX	.001	.001	0	0
48	CONNECTION1 ALPHA	PX	.001	.001	0	0
49	TIEBACK BETA	PX	.000504	.000504	0	0
50	SUPP BETA	PX	.001	.001	0	0
51	SO2 BETA	PX	.000596	.000596	0	0
52	SO1 BETA	PX	.000596	.000596	0	0
53	SO VERT1 BETA	PX	.000504	.000504	0	0
54	SO PLATE4 BETA	PX	.001	.001	0	0
55	SO PLATE3 BETA	PX	.001	.001	0	0
56	SO PLATE2 BETA	PX	.001	.001	0	0
57	SO PLATE1 BETA	PX	.001	.001	0	0
58	MP BETA1	PX	.001	.001	0	0
59	CONNECTION2 BETA	PX	.001	.001	0	0
60	CONNECTION1 BETA	PX	.001	.001	0	0

Basic Load Cases

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(...	Surfac...
1	Live Load	DL								
2	Wind Load (0)	DL					15	60		
3	Dead Load	DL		-1.1			15			
4	Wind Load (30)	DL					30	60		
5	Wind Load (60)	DL					30	60		
6	Wind Load (90)	DL					15	60		
7	Wind Load (120)	DL					30	60		
8	Wind Load (150)	DL					30	60		
9	Wind Load (180)	DL					15	60		
10	Wind Load (210)	DL					30	60		
11	Wind Load (240)	DL					30	60		
12	Wind Load (270)	DL					15	60		
13	Wind Load (300)	DL					30	60		
14	Wind Load (330)	DL					30	60		
15	Maintanence (0)	DL					15	60		
16	Maintanence (30)	DL					30	60		
17	Maintanence (60)	DL					30	60		
18	Maintanence (90)	DL					15	60		
19	Maintanence (120)	DL					30	60		
20	Maintanence (150)	DL					30	60		
21	Maintanence (180)	DL					15	60		
22	Maintanence (210)	DL					30	60		
23	Maintanence (240)	DL					30	60		
24	Maintanence (270)	DL					15	60		
25	Maintanence (300)	DL					30	60		
26	Maintanence (330)	DL					30	60		
27	Ice Dead Load	DL					15	36		
28	Ice Wind Load (0)	DL					15	60		
29	Ice Wind Load (30)	DL					30	60		
30	Ice Wind Load (60)	DL					30	60		
31	Ice Wind Load (90)	DL					15	60		
32	Ice Wind Load (120)	DL					30	60		
33	Ice Wind Load (150)	DL					30	60		
34	Ice Wind Load (180)	DL					15	60		
35	Ice Wind Load (210)	DL					30	60		
36	Ice Wind Load (240)	DL					30	60		

Basic Load Cases (Continued)

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(...	Surfac...
37	Ice Wind Load (270)	DL					15	60		
38	Ice Wind Load (300)	DL					30	60		
39	Ice Wind Load (330)	DL					30	60		
40	Earthquake (x-direction)	DL	-.117				15			
41	Earthquake (y-direction)	DL		-.047			15			
42	Earthquake (z-direction)	DL			.117		15			

Load Combinations

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4D	Yes	Y		3	1.4																		
2	1.2D + 1.0W(0)	Yes	Y		3	1.2	2	1																
3	1.2D + 1.0Di + 1.0Wi(0)	Yes	Y		3	1.2	27	1	28	1														
4	1.2D + 1.5L + 1.0Wl(0)	Yes	Y		3	1.2	1	1.5	15	1														
5	1.2D + 1.0W(30)	Yes	Y		3	1.2	4	1																
6	1.2D + 1.0Di + 1.0Wi(30)	Yes	Y		3	1.2	27	1	29	1														
7	1.2D + 1.5L + 1.0Wl(30)	Yes	Y		3	1.2	1	1.5	16	1														
8	1.2D + 1.0W(60)	Yes	Y		3	1.2	5	1																
9	1.2D + 1.0Di + 1.0Wi(60)	Yes	Y		3	1.2	27	1	30	1														
10	1.2D + 1.5L + 1.0Wl(60)	Yes	Y		3	1.2	1	1.5	17	1														
11	1.2D + 1.0W(90)	Yes	Y		3	1.2	6	1																
12	1.2D + 1.0Di + 1.0Wi(90)	Yes	Y		3	1.2	27	1	31	1														
13	1.2D + 1.5L + 1.0Wl(90)	Yes	Y		3	1.2	1	1.5	18	1														
14	1.2D + 1.0W(120)	Yes	Y		3	1.2	7	1																
15	1.2D + 1.0Di + 1.0Wi(120)	Yes	Y		3	1.2	27	1	32	1														
16	1.2D + 1.5L + 1.0Wl(120)	Yes	Y		3	1.2	1	1.5	19	1														
17	1.2D + 1.0W(150)	Yes	Y		3	1.2	8	1																
18	1.2D + 1.0Di + 1.0Wi(150)	Yes	Y		3	1.2	27	1	33	1														
19	1.2D + 1.5L + 1.0Wl(150)	Yes	Y		3	1.2	1	1.5	20	1														
20	1.2D + 1.0W(180)	Yes	Y		3	1.2	9	1																
21	1.2D + 1.0Di + 1.0Wi(180)	Yes	Y		3	1.2	27	1	34	1														
22	1.2D + 1.5L + 1.0Wl(180)	Yes	Y		3	1.2	1	1.5	21	1														
23	1.2D + 1.0W(210)	Yes	Y		3	1.2	10	1																
24	1.2D + 1.0Di + 1.0Wi(210)	Yes	Y		3	1.2	27	1	35	1														
25	1.2D + 1.5L + 1.0Wl(210)	Yes	Y		3	1.2	1	1.5	22	1														
26	1.2D + 1.0W(240)	Yes	Y		3	1.2	11	1																
27	1.2D + 1.0Di + 1.0Wi(240)	Yes	Y		3	1.2	27	1	36	1														
28	1.2D + 1.5L + 1.0Wl(240)	Yes	Y		3	1.2	1	1.5	23	1														
29	1.2D + 1.0W(270)	Yes	Y		3	1.2	12	1																
30	1.2D + 1.0Di + 1.0Wi(270)	Yes	Y		3	1.2	27	1	37	1														
31	1.2D + 1.5L + 1.0Wl(270)	Yes	Y		3	1.2	1	1.5	24	1														
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(y) + L	Yes	Y		3	1.2	40	1	41	1	1	1												
39	1.2D + 1.0E(z) + 1.0E(y) + L	Yes	Y		3	1.2	42	1	41	1	1	1												
40	1.2D - 1.0E(x) + 1.0E(y) + L	Yes	Y		3	1.2	40	-1	41	1	1	1												
41	1.2D - 1.0E(z) + 1.0E(y) + L	Yes	Y		3	1.2	42	-1	41	1	1	1												

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N72	max	.35	11	.543	24	.645	20	-.106	5	0	41	.536	26
2		min	-.352	29	.179	5	-1.505	2	-.33	24	0	1	-.536	14
3	N71A	max	.475	26	.487	6	1.651	32	-.09	23	0	41	.477	26
4		min	-.47	14	.152	23	-.801	14	-.295	6	0	1	-.476	14
5	N37A	max	.645	14	.025	30	.999	14	0	41	0	41	0	41
6		min	-.648	26	.012	5	-.997	26	0	1	0	1	0	1
7	N71	max	.558	26	.446	18	-.017	26	.415	26	0	41	.261	26
8		min	-1.109	8	.167	35	-.735	9	-.208	8	0	1	-.434	8
9	N72A	max	1.002	14	.499	36	1.172	17	.443	26	0	41	.316	26
10		min	-.448	32	.192	17	-.513	35	-.211	8	0	1	-.509	8
11	N85	max	.881	8	.016	6	.105	8	0	41	0	41	0	41
12		min	-.883	26	.011	20	-.106	26	0	1	0	1	0	1
13	N119	max	1.191	23	.447	33	.513	5	.475	23	0	41	.281	33
14		min	-.356	5	.166	14	-.658	23	-.433	5	0	1	.026	14
15	N120	max	.562	11	.5	15	.525	23	.539	23	0	41	.308	6
16		min	-1.408	29	.193	32	-.371	5	-.492	5	0	1	.06	23
17	N133	max	.538	5	.016	15	.704	23	0	41	0	41	0	41
18		min	-.53	23	.011	32	-.713	5	0	1	0	1	0	1
19	Totals:	max	1.874	11	2.918	9	1.912	20						
20		min	-1.874	29	1.453	26	-1.912	2						

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear..	Loc[ft]	Dir	LC	phi*Pnc..	phi*Pnt...	phi*Mn ..	phi*Mn ..	Cb	Eqn
1	MP ALPHA1	PIPE_2.0	.732	3.5	2	.087	3.5		14	14.916	32.13	1.872	1.872	2...	H1-1b
2	MP BETA1	PIPE_2.0	.717	3.5	17	.085	3.5		26	14.916	32.13	1.872	1.872	1...	H1-1b
3	MP GAMMA1	PIPE_2.0	.696	3.5	29	.092	3.5		5	14.916	32.13	1.872	1.872	1...	H1-1b
4	CONNECTION1 A...	C4.75x3	.370	.896	26	.282	.5	y	14	92.675	97.2	10.884	9.871	3...	H1-1b
5	CONNECTION1 B...	C4.75x3	.361	.896	8	.304	.625	y	11	92.675	97.2	10.884	9.871	2...	H1-1b
6	CONNECTION1 G...	C4.75x3	.359	.896	23	.277	.5	y	5	92.675	97.2	10.884	9.871	2...	H1-1b
7	CONNECTION2 A...	C4.75x3	.338	.896	32	.325	.625	y	26	92.675	97.2	10.61	9.871	2...	H1-1b
8	CONNECTION2 G...	C4.75x3	.331	.896	23	.314	.625	y	23	92.675	97.2	10.61	9.871	2...	H1-1b
9	CONNECTION2 B...	C4.75x3	.329	.896	8	.263	.625	y	11	92.675	97.2	10.61	9.871	2...	H1-1b
10	SO PLATE4 ALPHA	4x0.375	.298	.38	26	.193	.38	y	26	44.266	48.6	.38	4.05	1...	H1-1b
11	SO PLATE3 ALPHA	4x0.375	.289	.38	8	.195	.38	y	14	44.266	48.6	.38	4.05	1...	H1-1b
12	SO PLATE4 BETA	4x0.375	.288	.38	8	.189	.38	y	8	44.266	48.6	.38	4.05	1...	H1-1b
13	SO PLATE4 GAM...	4x0.375	.285	.38	23	.187	.38	y	23	44.266	48.6	.38	4.05	1...	H1-1b
14	SO PLATE3 BETA	4x0.375	.282	.38	26	.191	.38	y	26	44.266	48.6	.38	4.05	1...	H1-1b
15	SO PLATE2 ALPHA	4x0.375	.281	.38	26	.220	.38	y	26	44.266	48.6	.38	4.05	1...	H1-1b
16	SO PLATE3 GAM...	4x0.375	.279	.38	5	.189	.38	y	5	44.266	48.6	.38	4.05	1...	H1-1b
17	SO PLATE2 BETA	4x0.375	.277	.38	8	.215	.38	y	8	44.266	48.6	.38	4.05	1...	H1-1b
18	SO PLATE1 ALPHA	4x0.375	.276	.38	14	.218	.38	y	14	44.266	48.6	.38	4.05	1...	H1-1b
19	SO PLATE2 GAM...	4x0.375	.275	.38	23	.212	.38	y	23	44.266	48.6	.38	4.05	1...	H1-1b
20	SO PLATE1 BETA	4x0.375	.274	.38	26	.214	.38	y	26	44.266	48.6	.38	4.05	1...	H1-1b
21	SO PLATE1 GAM...	4x0.375	.272	.38	5	.214	.38	y	5	44.266	48.6	.38	4.05	1...	H1-1b
22	SO2 ALPHA	HSS3X3X3	.198	0	8	.123	0	z	26	74.69	78.246	6.796	6.796	2...	H1-1b
23	SO VERT1 ALPHA	PIPE_2.0	.196	0	33	.174	0		32	30.238	32.13	1.872	1.872	2...	H1-1b
24	SO VERT1 GAMMA	PIPE_2.0	.185	0	27	.170	0		23	30.238	32.13	1.872	1.872	2...	H1-1b
25	SO VERT1 BETA	PIPE_2.0	.184	0	9	.171	0		8	30.238	32.13	1.872	1.872	1	H1-1b
26	SO2 BETA	HSS3X3X3	.179	0	26	.119	0	z	26	74.69	78.246	6.796	6.796	2...	H1-1b
27	SO2 GAMMA	HSS3X3X3	.177	0	5	.119	0	z	5	74.69	78.246	6.796	6.796	2...	H1-1b
28	SUPP GAMMA	PIPE_3.0	.156	3.026	5	.151	.984		23	61.066	65.205	5.749	5.749	3...	H1-1b
29	SUPP ALPHA	PIPE_3.0	.154	2.99	2	.151	.984		32	61.066	65.205	5.749	5.749	2...	H1-1b
30	SUPP BETA	PIPE_3.0	.148	2.99	17	.148	.51		8	61.066	65.205	5.749	5.749	2...	H1-1b
31	SO1 ALPHA	HSS3X3X3	.133	0	26	.132	2.37	y	26	74.69	78.246	6.796	6.796	2...	H1-1b

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear..	Loc[ft]	Dir	LC	phi*Pnc..	phi*Pnt...	phi*Mn ..	phi*Mn ..	Cb	Eqn
32	SO1 GAMMA	HSS3X3X3	.128	0	14	.128	2.37	z	5	74.69	78.246	6.796	6.796	2...	H1-1b
33	SO1 BETA	HSS3X3X3	.126	0	5	.128	2.37	y	8	74.69	78.246	6.796	6.796	2...	H1-1b
34	TIEBACK ALPHA	PIPE_2.0	.051	5.206	14	.003	5.206		27	23.215	32.13	1.872	1.872	1...	H1-1b*
35	TIEBACK GAMMA	PIPE_2.0	.036	4.65	5	.002	4.65		33	24.793	32.13	1.872	1.872	1...	H1-1b*
36	TIEBACK BETA	PIPE_2.0	.036	4.65	26	.002	0		33	24.793	32.13	1.872	1.872	1...	H1-1b*

APPENDIX D

Additional Calculations (118 ft)

POD
POWER OF DESIGN

POD Job #	**23-155055**
Site Number	**841298**
Site Name	**SOUTHINGTON ROGUS**

Connection Type	Single Shear

RISA 3D Forces

Axial (Bolts)	1.7	kips
Shear (Bolts)	2.012	kips
Axial Force (Member)	2.012	kips

Bolt/Member Information

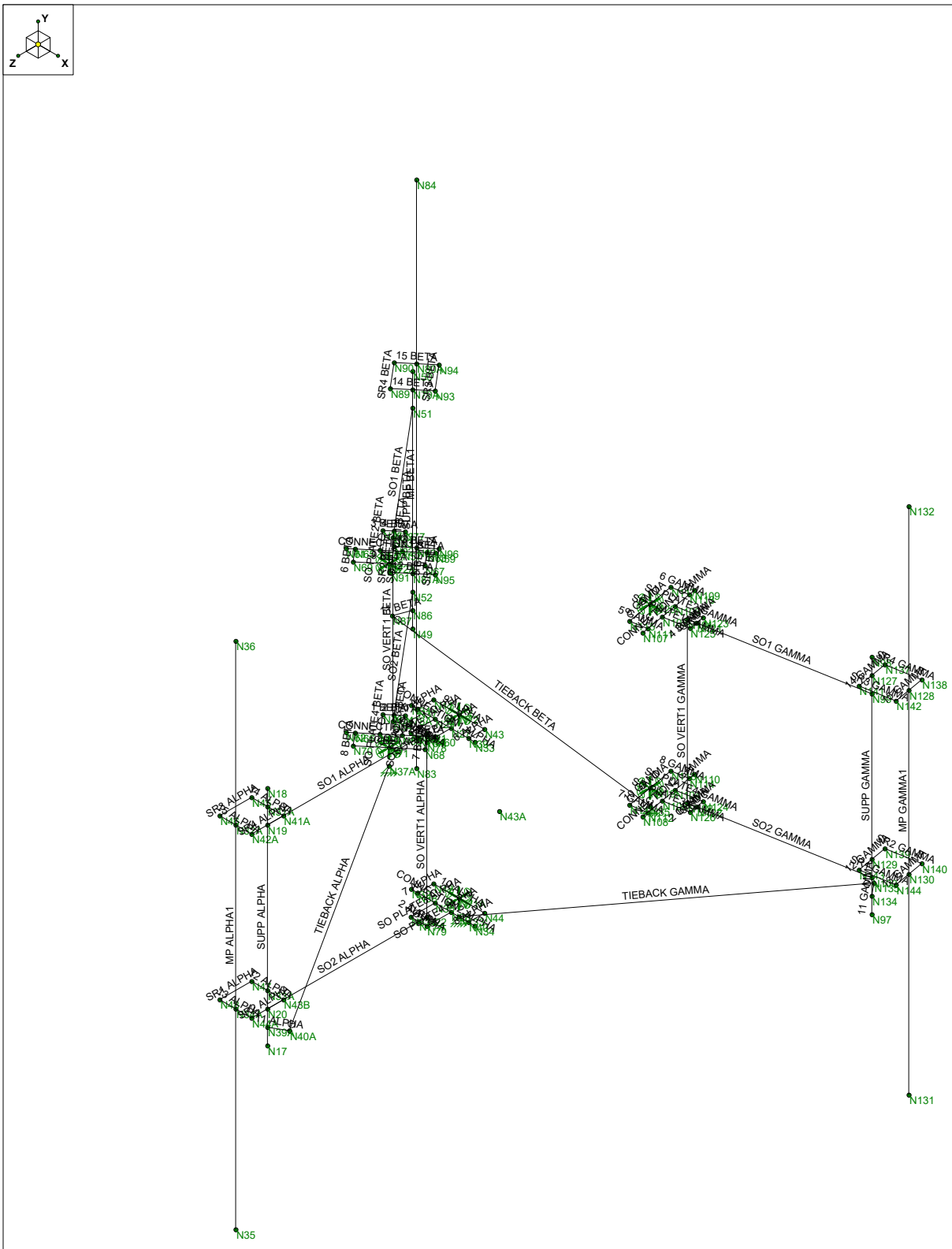
Member Label	SO PLATE3 ALPHA	
# of Bolts	1	
Diameter	0.5	inches
Bolt Grade	A325	
Member Grade	A36	
Threads Included?	Yes	
L_b	0	inches
L_c	1	inches
t	0.375	inches

Shear Capacity	**22.8%**
Axial Capacity	**13.3%**
Bearing Capacity	**9.6%**
Combined Capacity	**7.0%**

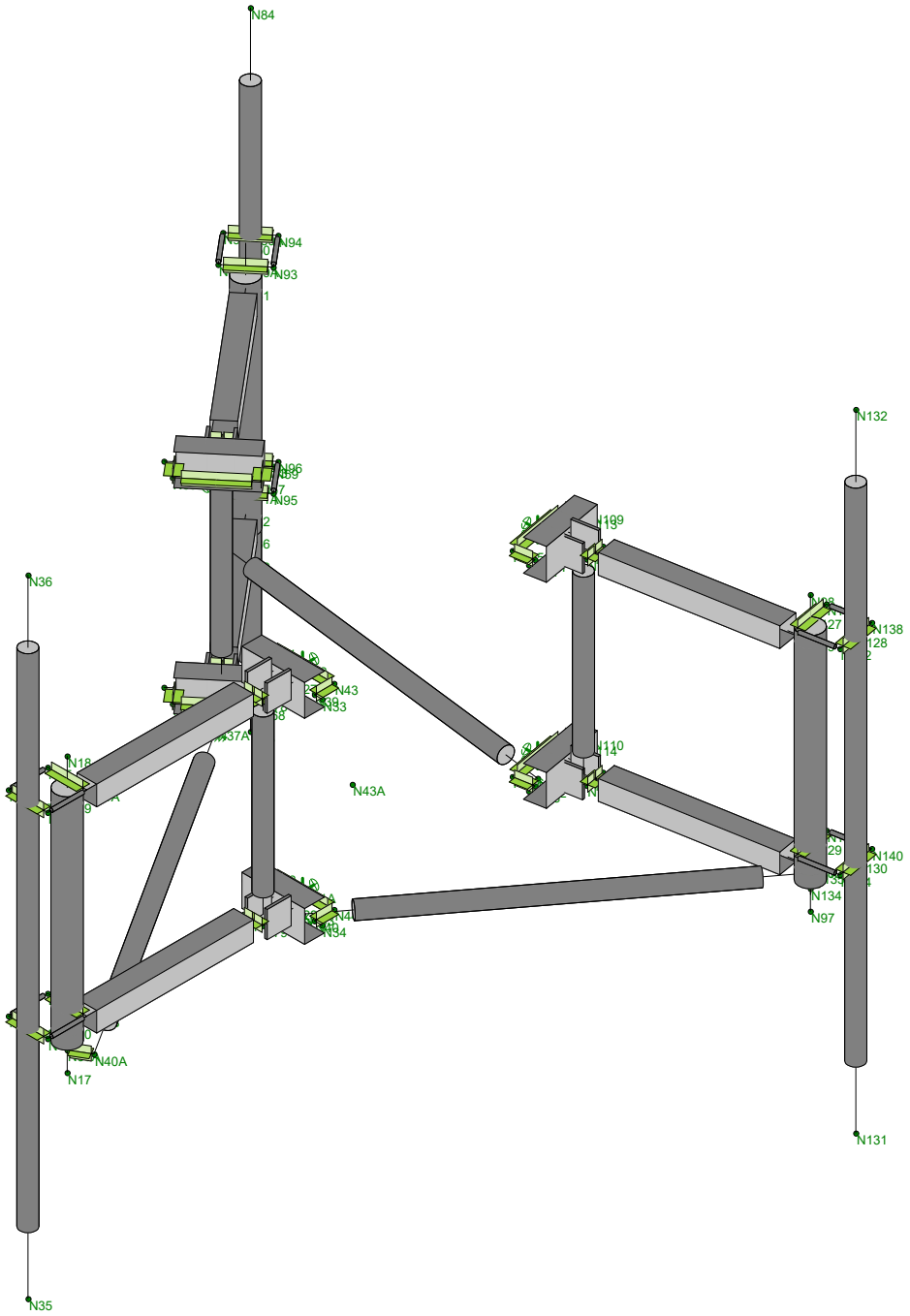
Ver 1.0 - 2/28/2020

APPENDIX E

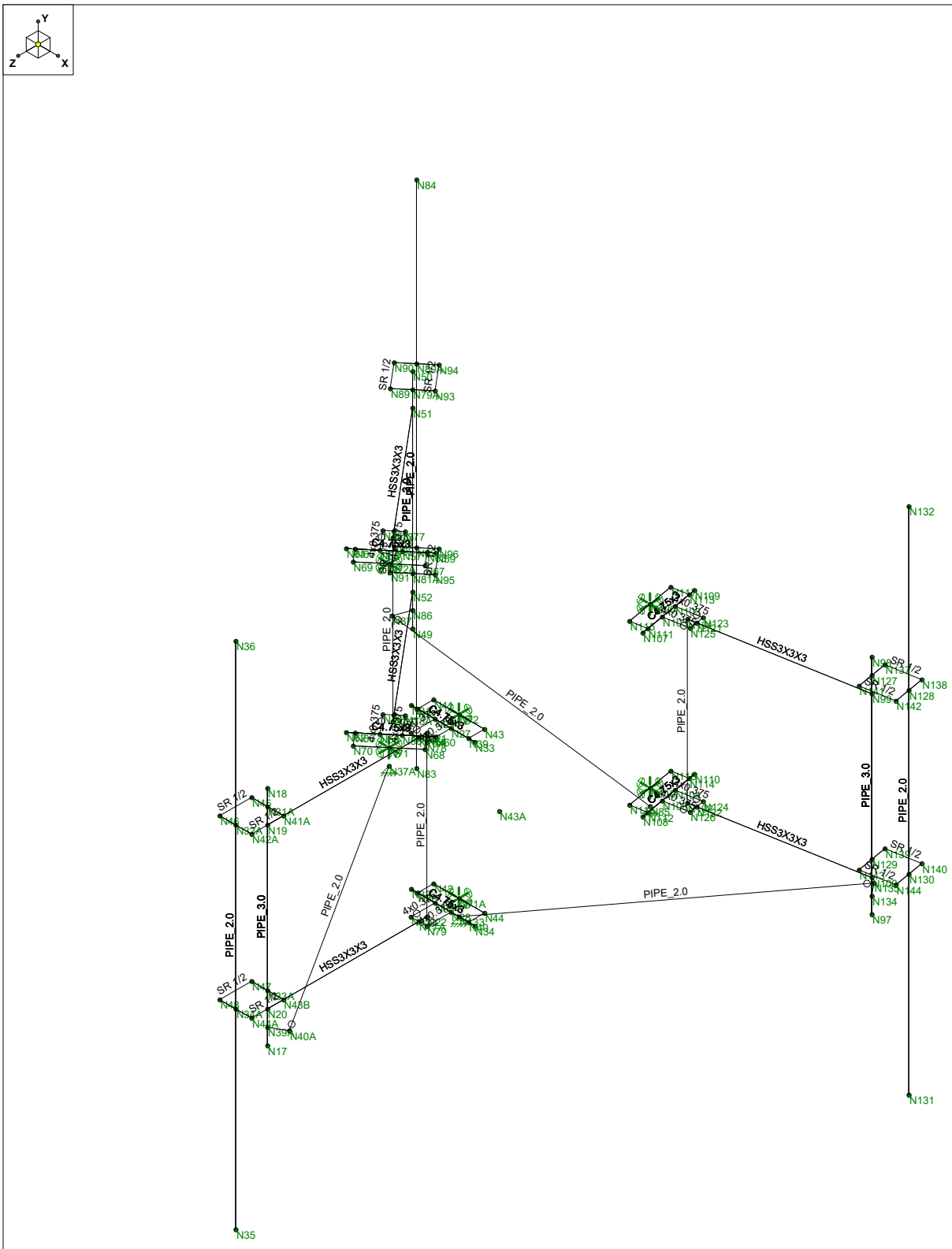
Wire Frame and Rendered Models (110 ft)



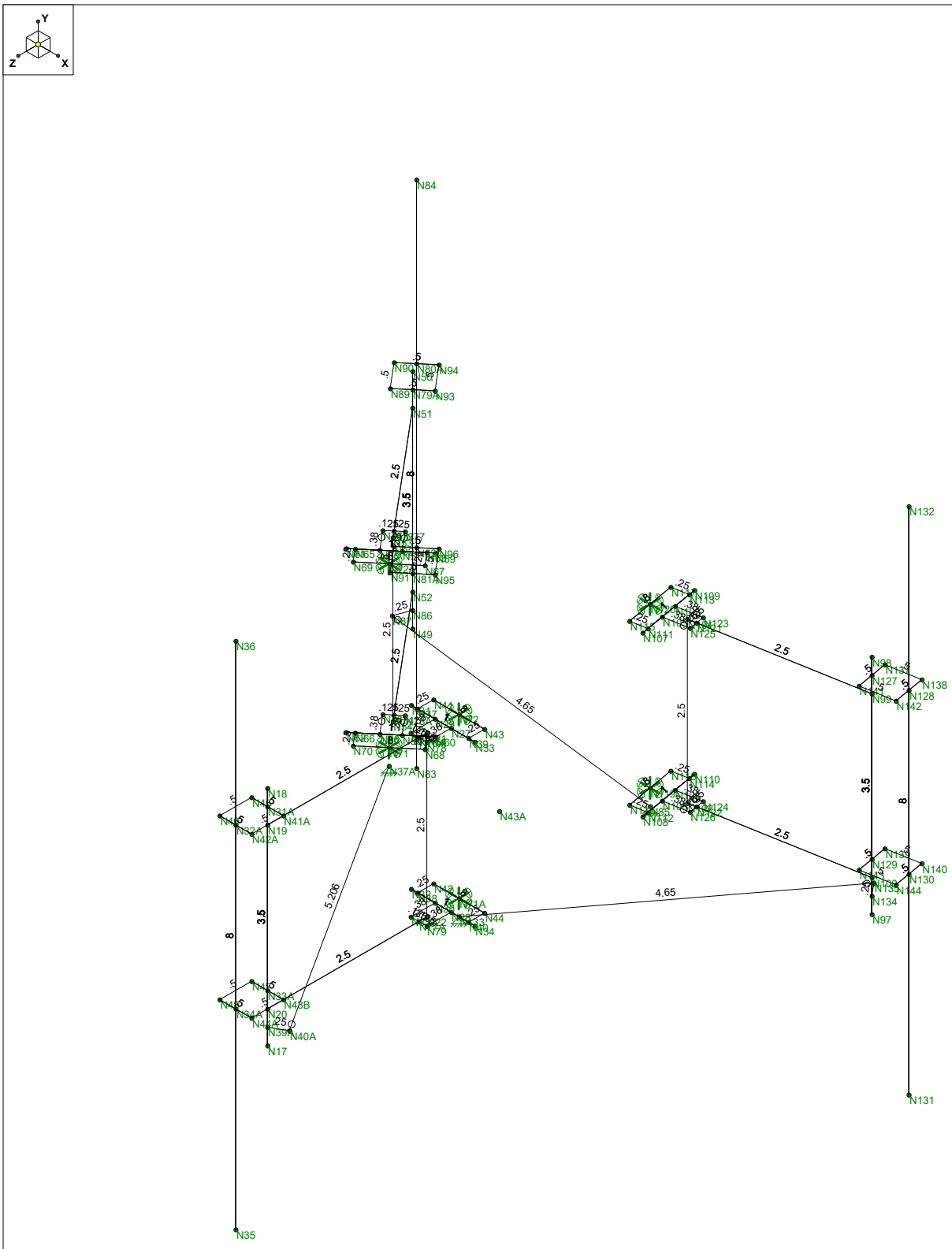
POD	841298	SK - 1
MMM		Apr 21, 2023 at 3:58 PM
23-155055		841298 110 ft - Loads.r3d



POD	841298	SK - 2
MMM		Apr 21, 2023 at 3:58 PM
23-155055		841298 110 ft - Loads.r3d

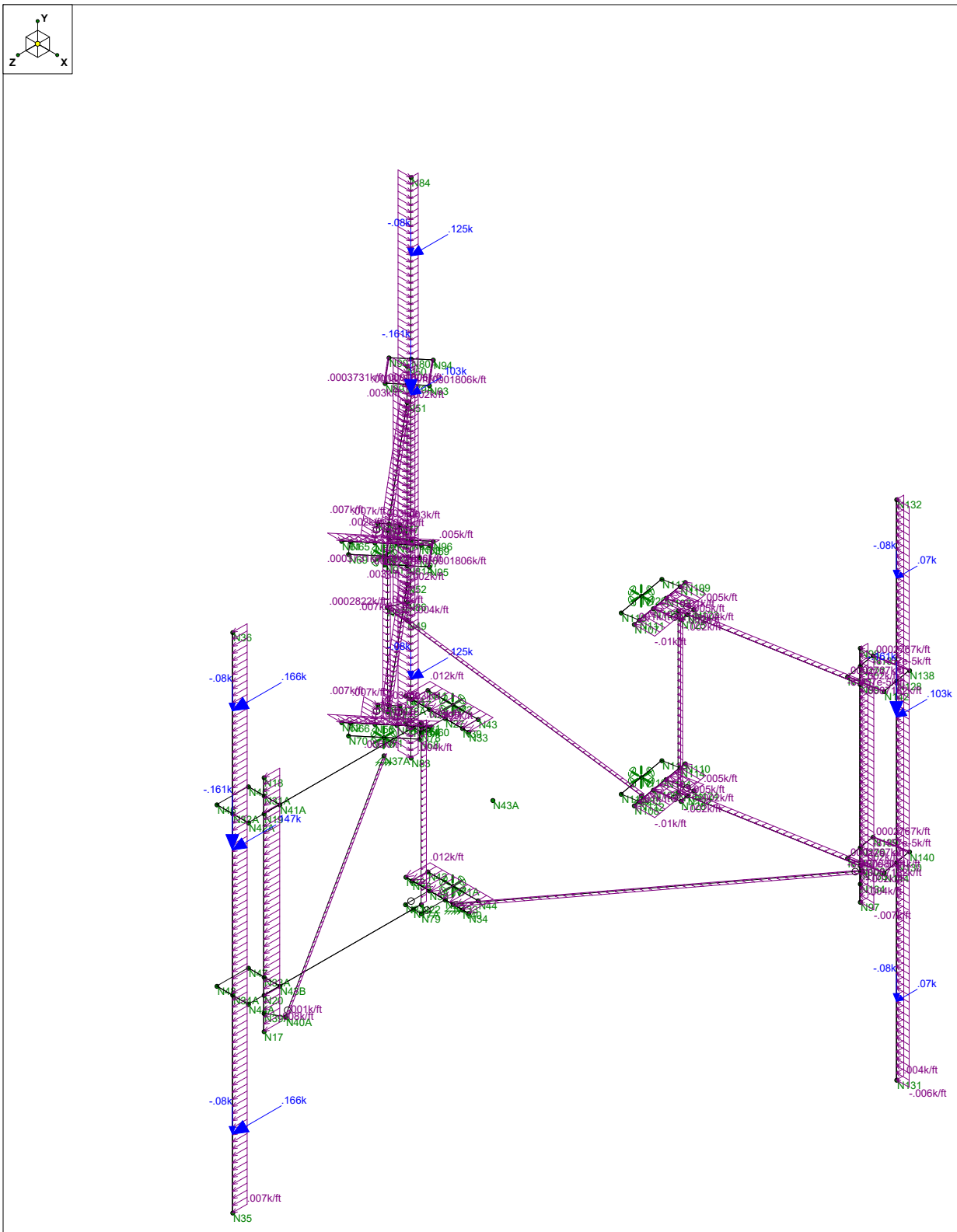


POD	841298	SK - 3
MMM		Apr 21, 2023 at 4:06 PM
23-155055		841298 110 ft - Loads.r3d



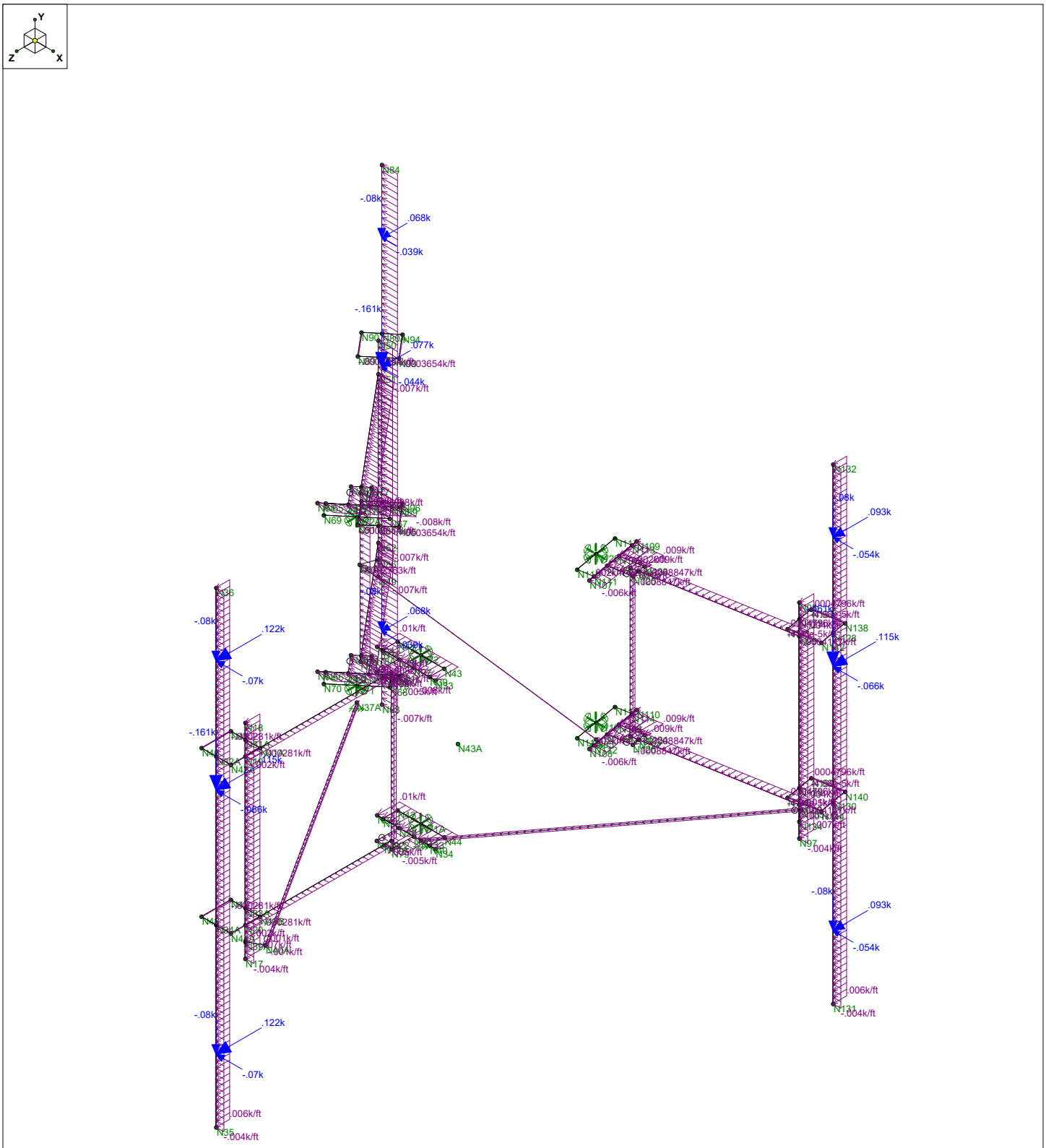
Member Length (ft) Displayed

POD	841298	SK - 4
MMM		Apr 21, 2023 at 4:06 PM
23-155055		841298 110 ft - Loads.r3d



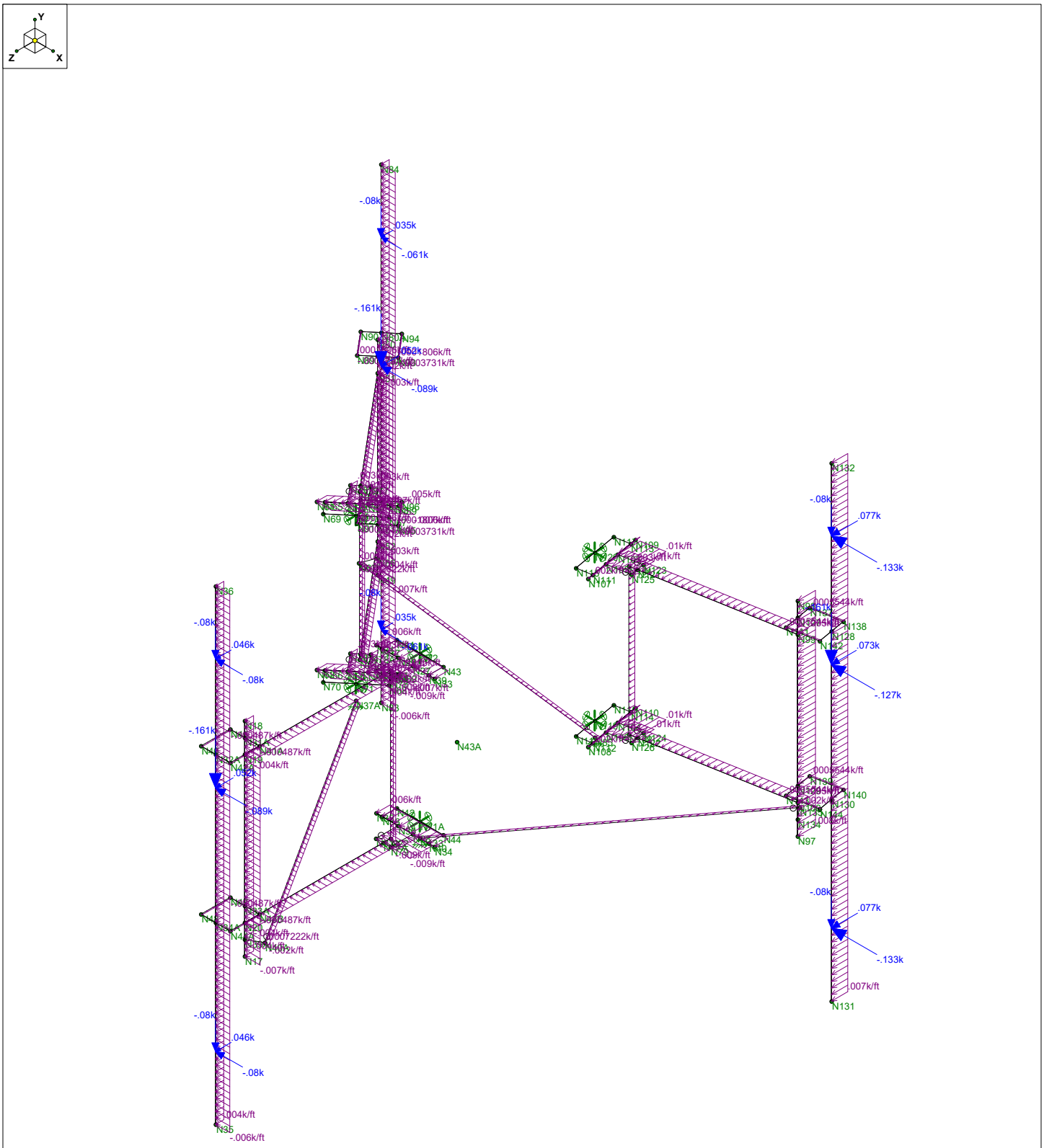
Loads: LC 2, 1.2D + 1.0W(0)

POD	841298	SK - 5
MMM		Apr 21, 2023 at 4:06 PM
23-155055		841298 110 ft - Loads.r3d



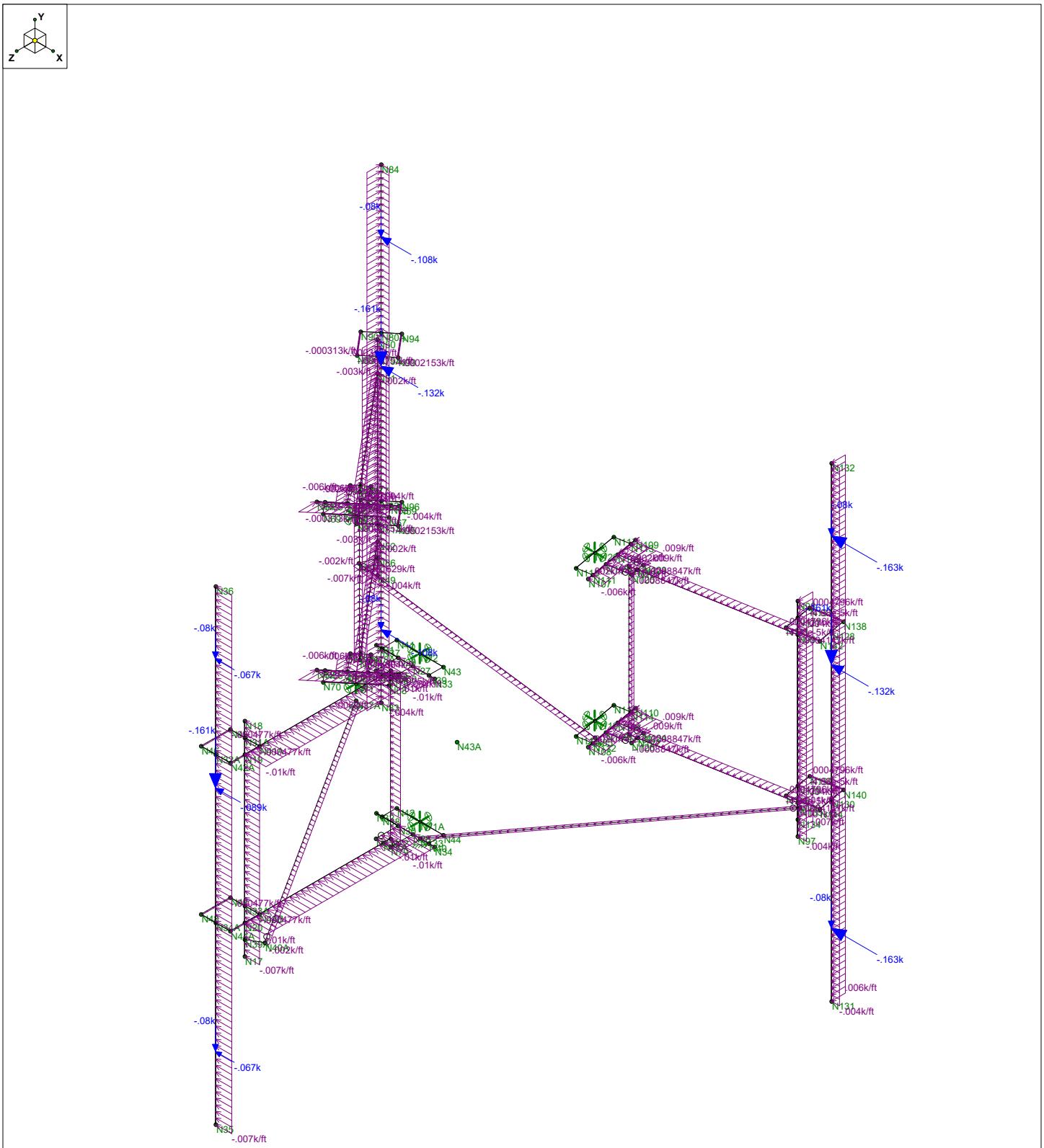
Loads: LC 5, 1.2D + 1.0W(30)

POD	841298	SK - 6
MMM		Apr 21, 2023 at 4:08 PM
23-155055		841298 110 ft - Loads.r3d



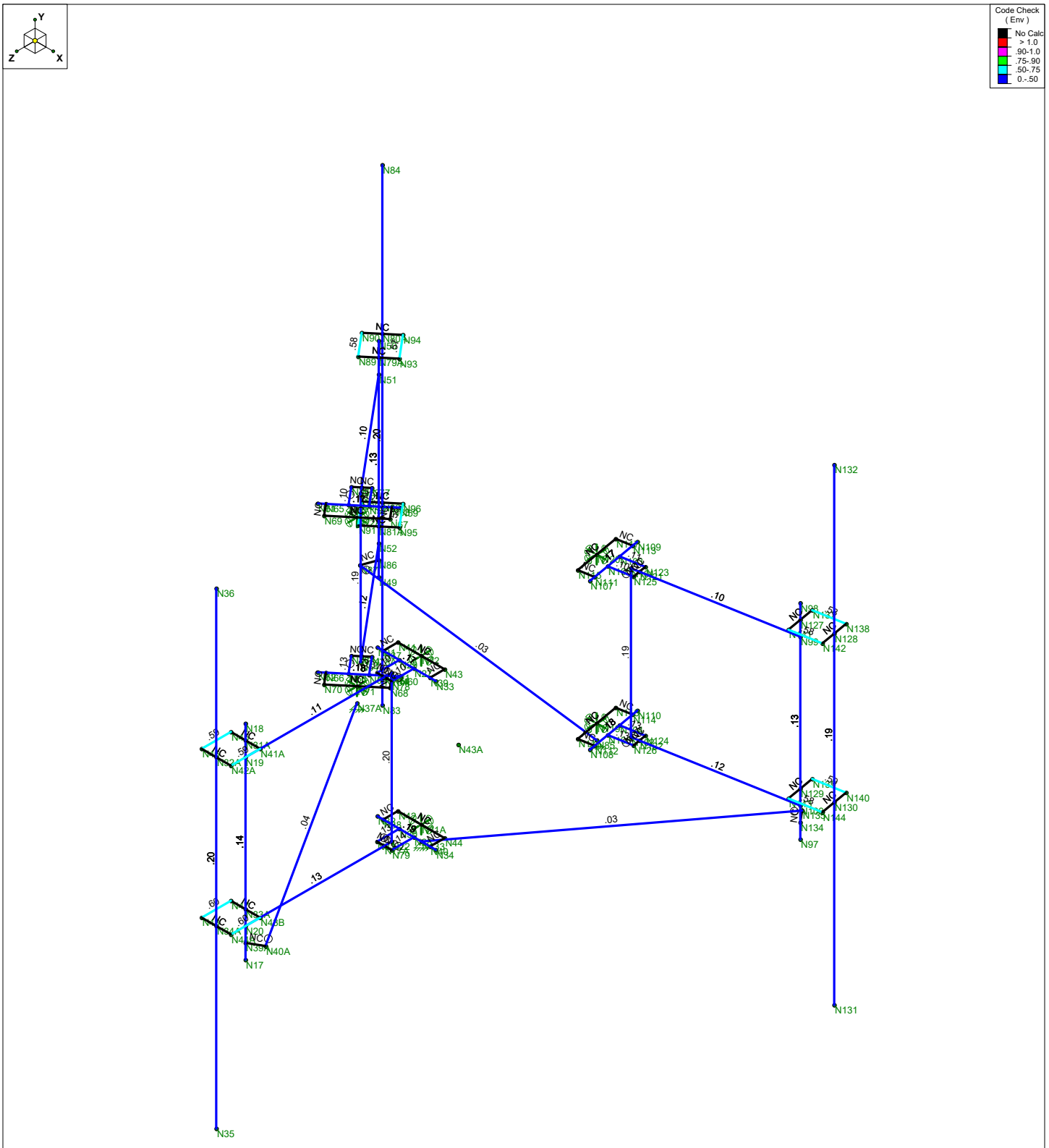
Loads: LC 8, 1.2D + 1.0W(60)

POD	841298	SK - 7
MMM		Apr 21, 2023 at 4:08 PM
23-155055		841298 110 ft - Loads.r3d



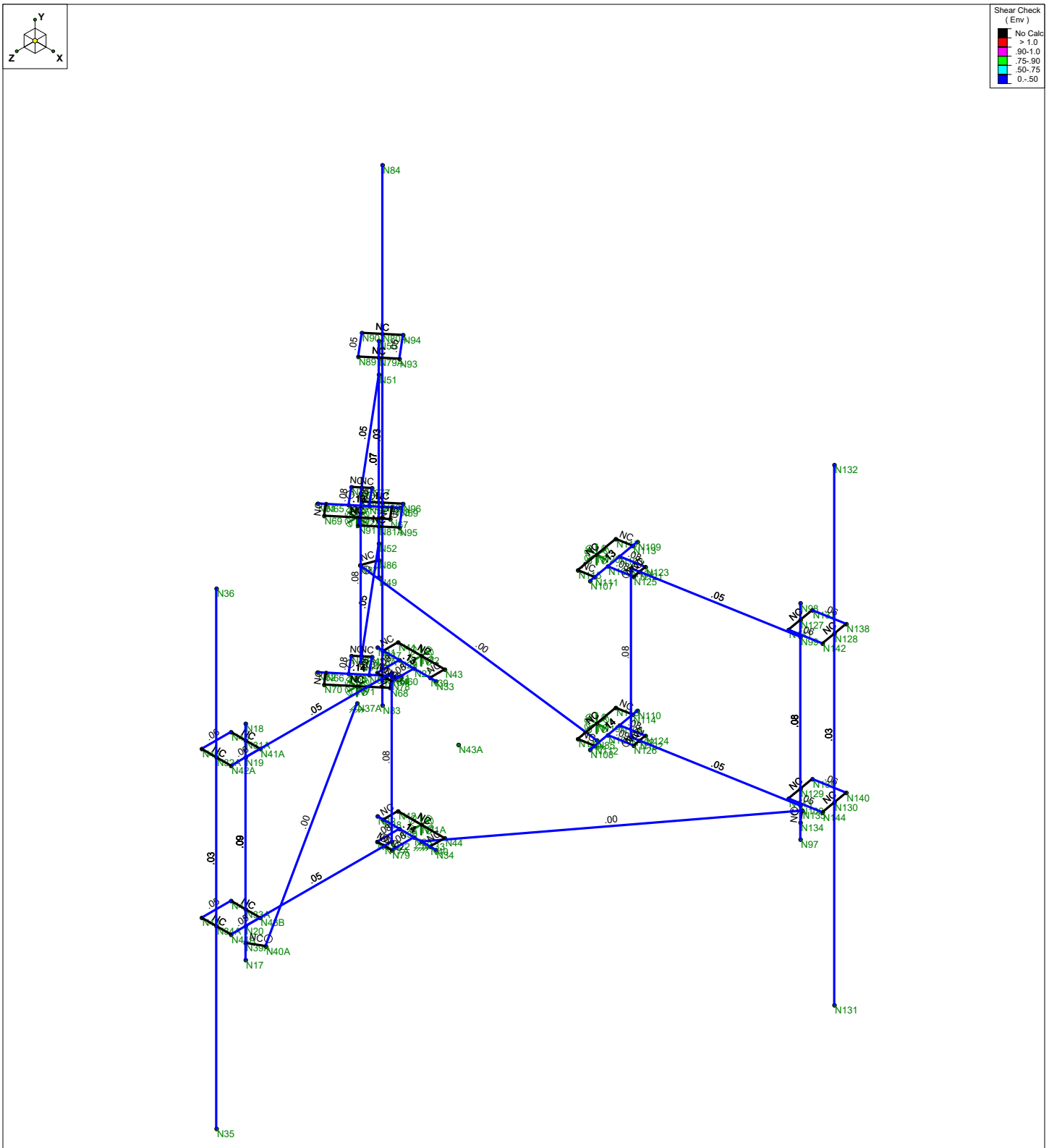
Loads: LC 11, 1.2D + 1.0W(90)

POD	841298	SK - 8
MMM		Apr 21, 2023 at 4:08 PM
23-155055		841298 110 ft - Loads.r3d



Member Code Checks Displayed (Enveloped)
Results for LC 1, 1.4D

POD	841298	SK - 9
MMM		Apr 21, 2023 at 4:10 PM
23-155055		841298 110 ft - Loads.r3d



POD	841298	SK - 10
MMM		Apr 21, 2023 at 4:10 PM
23-155055		841298 110 ft - Loads.r3d

APPENDIX F

Software Input Calculations (110 ft)

POD
POWER OF DESIGN

POD Job #	**23-155055**
Site Number	**841298**
Site Name	**SOUTHINGTON ROGUS**

General Site Information

Mount Type	MF	Risk Category	II	I (seismic)	1			Use CFD	Yes
V (Wind Speed)	118	I(ice)	1	Sms	0.320				
Zs	343.35			Sm1	0.132				
ti	1	Ss	0.2	Sds	0.213				width (ft) height (ft)
Vi	50	S1	0.055	Sd1	0.088			Front Outer Dimensions	0.5 3.5
Kzt	1	Soil Site Class	D (assumed)	Seismic Design Category				Side Outer Dimensions	3.5 3.5
Exposure	B	Fa	1.600	B				Number of Sectors	3
zg	1200	Fv	2.400	Seismic Analysis Not Required					
α	7			R	2	TIA-222-H 16.7			
Kmin	0.7	Tower Type	Self Support	As	1	TIA-222-H 16.7			
G_H	1	Tower Height	120	Cs, Min	0.03	TIA-222-H 2.7.7.1.1			
Ke	0.99			Cs	0.106666667	TIA-222-H 2.7.7.1.1			
K_D	0.95	Alpha Azimuth	0						
K_a	0.9								

Appurtenance Information

Model	Shielded	% Shielded	Centerline	Centerline on MP	Spacing (in)	Azimuth	Sector	Quantity	MP #
NNHHS4-65C-R5-V2			110	4	70		A	1	1
NNHHS4-65C-R5-V2			110	4	70	20	B/C	1	1
RRUS 4478 B14_CCIV2			110	5			A/B/C	1	1
DC6-48-60-18-8F			110	5			A/B/C	1	1
8863 B77D			110	5			A/B/C	1	1

Dish Information

Model	Centerline	Azimuth	Type	Diameter	Depth	Weight	Acting Azimuth	Wind kz	qz	A	Ice Kiz	Ice tiz	qz	Di	Ai	W

Mount Information

Elevation (ft)	110	Grating Thickness (in)	
K_z	1.02	Grating Ice Weight (k/ft²)	0.011
Kiz	1.13		
tiz	1.13		

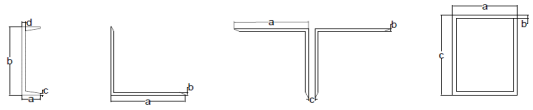
	Length (ft)	Width (in)	Centerline
Mount Pipes	8	2.375	110

Round Members

Member	Length (ft)	Width (in)	Frame Member	# of Members
Supp	3.5	3.5	Yes	1
SR	0.5	0.5	No	4
SO Vert	2.5	2.375	Side	1
Tieback	8	2.375	No	1

Flat Members

Member	Length (ft)	Width (in)	Shape	A	B	C	D	Frame Member	# of Members
SO	3	3	Square HSS		3	0.1875	3	Side	2
SO Plate	0.38	4	Channel			4	0.375	No	4
Conn	1	4.75	Channel		3	4.75	0.25 0.25	No	2



Version 4.0

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
NNHHS4-65C-R5-V2	96.0	19.6	7.8	132.5	1.02	33.96	9.75	3.96	0.331	0.134	0.282	0.282	0.134
NNHHS4-65C-R5-V2	96.0	19.6	7.8	132.5	1.02	33.96	9.75	3.96	0.331	0.134	0.325	0.325	0.157
RRUS 4478 B14_CCIV2	18.1	13.4	8.3	59.4	1.02	33.96	1.82	1.12	0.062	0.038	0.056	0.056	0.038
DC6-48-60-18-8F	22.3	11.0	11.0	18.9	1.02	33.96	0.76	0.76	0.026	0.026	0.026	0.026	0.026
8863 B77D	16.1	14.4	6.0	55.9	1.02	33.96	1.74	0.73	0.059	0.025	0.050	0.050	0.025

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
NNHHS4-65C-R5-V2	1.13	98.26	21.86	10.06	224.20	1.13	6.10	10.02	4.68	0.061	0.029	0.053	0.053	0.029
NNHHS4-65C-R5-V2	1.13	98.26	21.86	10.06	224.20	1.13	6.10	10.02	4.68	0.061	0.029	0.066	0.066	0.036
RRUS 4478 B14_CCIV2	1.13	20.36	15.66	10.52	43.68	1.13	6.10	1.40	0.94	0.009	0.006	0.008	0.008	0.006
DC6-48-60-18-8F	1.13	24.51	13.26	13.26	52.30	1.13	6.10	1.42	1.42	0.009	0.009	0.009	0.009	0.009
8863 B77D	1.13	18.36	16.66	8.26	36.72	1.13	6.10	1.34	0.66	0.008	0.004	0.007	0.007	0.004

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)
Supp	33.96	1.02	33.80	0.74	1.20	0.81	0.008	5.76	0.01	6.10	1.68	0.78	1.20	1.41	0.002
SR	33.96	0.08	4.83	0.74	1.20	0.02	0.001	2.76	0.00	6.10	0.46	0.78	1.20	0.10	0.001
SO Vert	33.96	0.49	22.94	0.74	1.20	0.39	0.003	4.63	0.00	6.10	0.96	0.78	1.20	0.81	0.001
Tieback	33.96	1.58	22.94	0.74	1.20	1.26	0.003	4.63	0.00	6.10	3.09	0.78	1.20	2.58	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)
SO	33.96	1.50	1.25	0.84	0.005	5.26	0.01	6.10	2.63	0.78	1.25	1.15	0.001
SO Plate	33.96	0.51	2.00	0.23	0.010	6.26	0.01	6.10	0.79	0.78	2.00	0.28	0.002
Conn	33.96	0.79	2.00	0.71	0.012	7.01	0.01	6.10	1.17	0.78	2.00	0.81	0.002

Appurtenance Seismic Calculations

Model	Weight	Sds	ρ	Cs	As	Ev	Eh
NNHHS4-65C-R5-V2	132.5	0.213	1.000	0.107	1.000	0.006	0.014
NNHHS4-65C-R5-V2	132.5	0.213	1.000	0.107	1.000	0.006	0.014
RRUS 4478 B14_CCIV2	59.4	0.213	1.000	0.107	1.000	0.003	0.006
DC6-48-60-18-8F	18.9	0.213	1.000	0.107	1.000	0.001	0.002
8863 B77D	55.9	0.213	1.000	0.107	1.000	0.002	0.006

Version 4.0

APPENDIX G

Software Analysis Output (110 ft)

Hot Rolled Steel Design Parameters

	Label	Shape	Length[...	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Functi...
1	TIEBACK ALPHA	PIPE_2.0	5.206			Lbyy						Lateral
2	SUPP ALPHA	PIPE_3.0	3.5			Lbyy						Lateral
3	SR4 ALPHA	SR 1/2	.5			Lbyy						Lateral
4	SR3 ALPHA	SR 1/2	.5			Lbyy						Lateral
5	SR2 ALPHA	SR 1/2	.5			Lbyy						Lateral
6	SR1 ALPHA	SR 1/2	.5			Lbyy						Lateral
7	SO2 ALPHA	HSS3X3X3	2.5			Lbyy						Lateral
8	SO1 ALPHA	HSS3X3X3	2.5			Lbyy						Lateral
9	SO VERT1 ALP...	PIPE_2.0	2.5	2.25	2.25	Lbyy						Lateral
10	SO PLATE4 ALP...	4x0.375	.38			Lbyy						Lateral
11	SO PLATE3 ALP...	4x0.375	.38			Lbyy						Lateral
12	SO PLATE2 ALP...	4x0.375	.38			Lbyy						Lateral
13	SO PLATE1 ALP...	4x0.375	.38			Lbyy						Lateral
14	MP ALPHA1	PIPE_2.0	8			Lbyy						Lateral
15	CONNECTION2 ...	C4.75x3	1			Lbyy						Lateral
16	CONNECTION1 ...	C4.75x3	1			Lbyy						Lateral
17	TIEBACK BETA	PIPE_2.0	4.65			Lbyy						Lateral
18	SUPP BETA	PIPE_3.0	3.5			Lbyy						Lateral
19	SR4 BETA	SR 1/2	.5			Lbyy						Lateral
20	SR3 BETA	SR 1/2	.5			Lbyy						Lateral
21	SR2 BETA	SR 1/2	.5			Lbyy						Lateral
22	SR1 BETA	SR 1/2	.5			Lbyy						Lateral
23	SO2 BETA	HSS3X3X3	2.5			Lbyy						Lateral
24	SO1 BETA	HSS3X3X3	2.5			Lbyy						Lateral
25	SO VERT1 BETA	PIPE_2.0	2.5	2.25	2.25	Lbyy						Lateral
26	SO PLATE4 BETA	4x0.375	.38			Lbyy						Lateral
27	SO PLATE3 BETA	4x0.375	.38			Lbyy						Lateral
28	SO PLATE2 BETA	4x0.375	.38			Lbyy						Lateral
29	SO PLATE1 BETA	4x0.375	.38			Lbyy						Lateral
30	MP BETA1	PIPE_2.0	8			Lbyy						Lateral
31	CONNECTION2 ...	C4.75x3	1			Lbyy						Lateral
32	CONNECTION1 ...	C4.75x3	1			Lbyy						Lateral
33	TIEBACK GAMMA	PIPE_2.0	4.65			Lbyy						Lateral
34	SUPP GAMMA	PIPE_3.0	3.5			Lbyy						Lateral
35	SR4 GAMMA	SR 1/2	.5			Lbyy						Lateral
36	SR3 GAMMA	SR 1/2	.5			Lbyy						Lateral
37	SR2 GAMMA	SR 1/2	.5			Lbyy						Lateral
38	SR1 GAMMA	SR 1/2	.5			Lbyy						Lateral
39	SO2 GAMMA	HSS3X3X3	2.5			Lbyy						Lateral
40	SO1 GAMMA	HSS3X3X3	2.5			Lbyy						Lateral
41	SO VERT1 GAM...	PIPE_2.0	2.5	2.25	2.25	Lbyy						Lateral
42	SO PLATE4 GA...	4x0.375	.38			Lbyy						Lateral
43	SO PLATE3 GA...	4x0.375	.38			Lbyy						Lateral
44	SO PLATE2 GA...	4x0.375	.38			Lbyy						Lateral
45	SO PLATE1 GA...	4x0.375	.38			Lbyy						Lateral
46	MP GAMMA1	PIPE_2.0	8			Lbyy						Lateral
47	CONNECTION2 ...	C4.75x3	1			Lbyy						Lateral
48	CONNECTION1 ...	C4.75x3	1			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design ...
1	TIEBACK AL...	N40A	N37A			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
2	SUPP ALPHA	N17	N18			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
3	SR4 ALPHA	N41A	N42A			SR 1/2	Beam	BAR	SAE J429	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design ...
4	SR3 ALPHA	N45	N46			SR 1/2	Beam	BAR	SAE J429	Typical
5	SR2 ALPHA	N43B	N44A			SR 1/2	Beam	BAR	SAE J429	Typical
6	SR1 ALPHA	N47	N48			SR 1/2	Beam	BAR	SAE J429	Typical
7	SO2 ALPHA	N20	N22			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
8	SO1 ALPHA	N19	N21			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
9	SO VERT1 A...	N21	N22			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
10	SO PLATE4 ...	N79	N28			4x0.375	Beam	RECT	A36 Gr.36	Typical
11	SO PLATE3 ...	N81	N30			4x0.375	Beam	RECT	A36 Gr.36	Typical
12	SO PLATE2 ...	N78	N27			4x0.375	Beam	RECT	A36 Gr.36	Typical
13	SO PLATE1 ...	N80	N29			4x0.375	Beam	RECT	A36 Gr.36	Typical
14	MP ALPHA1	N35	N36			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
15	CONNECTIO...	N32	N34		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
16	CONNECTIO...	N31	N33		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
17	15 ALPHA	N46	N42A			RIGID	None	None	RIGID	Typical
18	14 ALPHA	N45	N41A			RIGID	None	None	RIGID	Typical
19	13 ALPHA	N48	N44A			RIGID	None	None	RIGID	Typical
20	12 ALPHA	N47	N43B			RIGID	None	None	RIGID	Typical
21	11 ALPHA	N39A	N40A			RIGID	None	None	RIGID	Typical
22	10 ALPHA	N42	N44			RIGID	None	None	RIGID	Typical
23	9 ALPHA	N41	N43			RIGID	None	None	RIGID	Typical
24	8 ALPHA	N40	N44			RIGID	None	None	RIGID	Typical
25	7 ALPHA	N38	N42			RIGID	None	None	RIGID	Typical
26	6 ALPHA	N39	N43			RIGID	None	None	RIGID	Typical
27	5 ALPHA	N37	N41			RIGID	None	None	RIGID	Typical
28	4 ALPHA	N80	N76A			RIGID	None	None	RIGID	Typical
29	3 ALPHA	N78	N76A			RIGID	None	None	RIGID	Typical
30	2 ALPHA	N81	N77A			RIGID	None	None	RIGID	Typical
31	1 ALPHA	N79	N77A			RIGID	None	None	RIGID	Typical
32	TIEBACK BE...	N87	N85			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
33	SUPP BETA	N49	N50			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
34	SR4 BETA	N89	N90			SR 1/2	Beam	BAR	SAE J429	Typical
35	SR3 BETA	N93	N94			SR 1/2	Beam	BAR	SAE J429	Typical
36	SR2 BETA	N91	N92			SR 1/2	Beam	BAR	SAE J429	Typical
37	SR1 BETA	N95	N96			SR 1/2	Beam	BAR	SAE J429	Typical
38	SO2 BETA	N52	N54			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
39	SO1 BETA	N51	N53			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
40	SO VERT1 B...	N53	N54			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
41	SO PLATE4 ...	N76	N56			4x0.375	Beam	RECT	A36 Gr.36	Typical
42	SO PLATE3 ...	N78A	N58			4x0.375	Beam	RECT	A36 Gr.36	Typical
43	SO PLATE2 ...	N75	N55			4x0.375	Beam	RECT	A36 Gr.36	Typical
44	SO PLATE1 ...	N77	N57			4x0.375	Beam	RECT	A36 Gr.36	Typical
45	MP BETA1	N83	N84			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
46	CONNECTIO...	N60	N62		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
47	CONNECTIO...	N59	N61		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
48	15 BETA	N94	N90			RIGID	None	None	RIGID	Typical
49	14 BETA	N93	N89			RIGID	None	None	RIGID	Typical
50	13 BETA	N96	N92			RIGID	None	None	RIGID	Typical
51	12 BETA	N95	N91			RIGID	None	None	RIGID	Typical
52	11 BETA	N86	N87			RIGID	None	None	RIGID	Typical
53	10 BETA	N68	N70			RIGID	None	None	RIGID	Typical
54	9 BETA	N67	N69			RIGID	None	None	RIGID	Typical
55	8 BETA	N66	N70			RIGID	None	None	RIGID	Typical
56	7 BETA	N64	N68			RIGID	None	None	RIGID	Typical
57	6 BETA	N65	N69			RIGID	None	None	RIGID	Typical
58	5 BETA	N63	N67			RIGID	None	None	RIGID	Typical
59	4 BETA	N77	N73			RIGID	None	None	RIGID	Typical
60	3 BETA	N75	N73			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate...	Section/Shape	Type	Design List	Material	Design ...
61	2 BETA	N78A	N74			RIGID	None	None	RIGID	Typical
62	1 BETA	N76	N74			RIGID	None	None	RIGID	Typical
63	TIEBACK GA...	N135	N133			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
64	SUPP GAM...	N97	N98			PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical
65	SR4 GAMMA	N137	N138			SR 1/2	Beam	BAR	SAE J429	Typical
66	SR3 GAMMA	N141	N142			SR 1/2	Beam	BAR	SAE J429	Typical
67	SR2 GAMMA	N139	N140			SR 1/2	Beam	BAR	SAE J429	Typical
68	SR1 GAMMA	N143	N144			SR 1/2	Beam	BAR	SAE J429	Typical
69	SO2 GAMMA	N100	N102			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
70	SO1 GAMMA	N99	N101			HSS3X3X3	Beam	SquareTube	A500 Gr.B Rect	Typical
71	SO VERT1 G...	N101	N102			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
72	SO PLATE4 ...	N124	N104			4x0.375	Beam	RECT	A36 Gr.36	Typical
73	SO PLATE3 ...	N126	N106			4x0.375	Beam	RECT	A36 Gr.36	Typical
74	SO PLATE2 ...	N123	N103			4x0.375	Beam	RECT	A36 Gr.36	Typical
75	SO PLATE1 ...	N125	N105			4x0.375	Beam	RECT	A36 Gr.36	Typical
76	MP GAMMA1	N131	N132			PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical
77	CONNECTIO...	N108	N110		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
78	CONNECTIO...	N107	N109		180	C4.75x3	Beam	Channel	A36 Gr.36	Typical
79	15 GAMMA	N142	N138			RIGID	None	None	RIGID	Typical
80	14 GAMMA	N141	N137			RIGID	None	None	RIGID	Typical
81	13 GAMMA	N144	N140			RIGID	None	None	RIGID	Typical
82	12 GAMMA	N143	N139			RIGID	None	None	RIGID	Typical
83	11 GAMMA	N134	N135			RIGID	None	None	RIGID	Typical
84	10 GAMMA	N116	N118			RIGID	None	None	RIGID	Typical
85	9 GAMMA	N115	N117			RIGID	None	None	RIGID	Typical
86	8 GAMMA	N114	N118			RIGID	None	None	RIGID	Typical
87	7 GAMMA	N112	N116			RIGID	None	None	RIGID	Typical
88	6 GAMMA	N113	N117			RIGID	None	None	RIGID	Typical
89	5 GAMMA	N111	N115			RIGID	None	None	RIGID	Typical
90	4 GAMMA	N125	N121			RIGID	None	None	RIGID	Typical
91	3 GAMMA	N123	N121			RIGID	None	None	RIGID	Typical
92	2 GAMMA	N126	N122			RIGID	None	None	RIGID	Typical
93	1 GAMMA	N124	N122			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 A...	BenPIN					Yes	Default			None
2	SUPP ALP...						Yes	Default			None
3	SR4 ALPHA						Yes				None
4	SR3 ALPHA						Yes				None
5	SR2 ALPHA						Yes				None
6	SR1 ALPHA						Yes				None
7	SO2 ALPHA						Yes				None
8	SO1 ALPHA						Yes				None
9	SO VERT1 ...						Yes	Default			None
10	SO PLATE...	OOOOOX					Yes	Default			None
11	SO PLATE...	OOOOOX					Yes	Default			None
12	SO PLATE...	OOOOOX					Yes	Default			None
13	SO PLATE...	OOOOOX					Yes	Default			None
14	MP ALPHA1						Yes				None
15	CONNECTI...						Yes				None
16	CONNECTI...						Yes				None
17	15 ALPHA						Yes	** NA **			None
18	14 ALPHA						Yes	** NA **			None
19	13 ALPHA						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...
20	12 ALPHA						Yes	** NA **			None
21	11 ALPHA						Yes	** NA **			None
22	10 ALPHA						Yes	** NA **			None
23	9 ALPHA						Yes	** NA **			None
24	8 ALPHA						Yes	** NA **			None
25	7 ALPHA						Yes	** NA **			None
26	6 ALPHA						Yes	** NA **			None
27	5 ALPHA						Yes	** NA **			None
28	4 ALPHA						Yes	** NA **			None
29	3 ALPHA						Yes	** NA **			None
30	2 ALPHA						Yes	** NA **			None
31	1 ALPHA						Yes	** NA **			None
32	TIEBACK B...	BenPIN					Yes	Default			None
33	SUPP BETA						Yes	Default			None
34	SR4 BETA						Yes				None
35	SR3 BETA						Yes				None
36	SR2 BETA						Yes				None
37	SR1 BETA						Yes				None
38	SO2 BETA						Yes				None
39	SO1 BETA						Yes				None
40	SO VERT1 ...						Yes	Default			None
41	SO PLATE...	OOOOOX					Yes	Default			None
42	SO PLATE...	OOOOOX					Yes	Default			None
43	SO PLATE...	OOOOOX					Yes	Default			None
44	SO PLATE...	OOOOOX					Yes	Default			None
45	MP BETA1						Yes				None
46	CONNECTI...						Yes				None
47	CONNECTI...						Yes				None
48	15 BETA						Yes	** NA **			None
49	14 BETA						Yes	** NA **			None
50	13 BETA						Yes	** NA **			None
51	12 BETA						Yes	** NA **			None
52	11 BETA						Yes	** NA **			None
53	10 BETA						Yes	** NA **			None
54	9 BETA						Yes	** NA **			None
55	8 BETA						Yes	** NA **			None
56	7 BETA						Yes	** NA **			None
57	6 BETA						Yes	** NA **			None
58	5 BETA						Yes	** NA **			None
59	4 BETA						Yes	** NA **			None
60	3 BETA						Yes	** NA **			None
61	2 BETA						Yes	** NA **			None
62	1 BETA						Yes	** NA **			None
63	TIEBACK ...	BenPIN					Yes	Default			None
64	SUPP GA...						Yes	Default			None
65	SR4 GAM...						Yes				None
66	SR3 GAM...						Yes				None
67	SR2 GAM...						Yes				None
68	SR1 GAM...						Yes				None
69	SO2 GAM...						Yes				None
70	SO1 GAM...						Yes				None
71	SO VERT1 ...						Yes	Default			None
72	SO PLATE...	OOOOOX					Yes	Default			None
73	SO PLATE...	OOOOOX					Yes	Default			None
74	SO PLATE...	OOOOOX					Yes	Default			None
75	SO PLATE...	OOOOOX					Yes	Default			None
76	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...
77	CONNECTI...						Yes				None
78	CONNECTI...						Yes				None
79	15 GAMMA						Yes	** NA **			None
80	14 GAMMA						Yes	** NA **			None
81	13 GAMMA						Yes	** NA **			None
82	12 GAMMA						Yes	** NA **			None
83	11 GAMMA						Yes	** NA **			None
84	10 GAMMA						Yes	** NA **			None
85	9 GAMMA						Yes	** NA **			None
86	8 GAMMA						Yes	** NA **			None
87	7 GAMMA						Yes	** NA **			None
88	6 GAMMA						Yes	** NA **			None
89	5 GAMMA						Yes	** NA **			None
90	4 GAMMA						Yes	** NA **			None
91	3 GAMMA						Yes	** NA **			None
92	2 GAMMA						Yes	** NA **			None
93	1 GAMMA						Yes	** NA **			None

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	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
8	SAE J429	29000	11154	.3	.65	.49	57	1.5	74	1.2

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.166	6.917
2	MP ALPHA1	Z	.166	1.083
3	MP BETA1	Z	.125	6.917
4	MP BETA1	Z	.125	1.083
5	MP GAMMA1	Z	.07	6.917
6	MP GAMMA1	Z	.07	1.083
7	MP ALPHA1	Z	.062	5
8	MP BETA1	Z	.044	5
9	MP GAMMA1	Z	.044	5
10	MP ALPHA1	Z	.026	5
11	MP BETA1	Z	.026	5
12	MP GAMMA1	Z	.026	5
13	MP ALPHA1	Z	.059	5
14	MP BETA1	Z	.033	5
15	MP GAMMA1	Z	.033	5

Member Point Loads (BLC 3 : Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.066	6.917
2	MP ALPHA1	Y	-.066	1.083
3	MP BETA1	Y	-.066	6.917
4	MP BETA1	Y	-.066	1.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	MP GAMMA1	Y	-.066	6.917
6	MP GAMMA1	Y	-.066	1.083
7	MP ALPHA1	Y	-.059	5
8	MP BETA1	Y	-.059	5
9	MP GAMMA1	Y	-.059	5
10	MP ALPHA1	Y	-.019	5
11	MP BETA1	Y	-.019	5
12	MP GAMMA1	Y	-.019	5
13	MP ALPHA1	Y	-.056	5
14	MP BETA1	Y	-.056	5
15	MP GAMMA1	Y	-.056	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.122	6.917
2	MP ALPHA1	Z	.122	1.083
3	MP ALPHA1	X	-.07	6.917
4	MP ALPHA1	X	-.07	1.083
5	MP BETA1	Z	.068	6.917
6	MP BETA1	Z	.068	1.083
7	MP BETA1	X	-.039	6.917
8	MP BETA1	X	-.039	1.083
9	MP GAMMA1	Z	.093	6.917
10	MP GAMMA1	Z	.093	1.083
11	MP GAMMA1	X	-.054	6.917
12	MP GAMMA1	X	-.054	1.083
13	MP ALPHA1	Z	.048	5
14	MP ALPHA1	X	-.028	5
15	MP BETA1	Z	.033	5
16	MP BETA1	X	-.019	5
17	MP GAMMA1	Z	.048	5
18	MP GAMMA1	X	-.028	5
19	MP ALPHA1	Z	.022	5
20	MP ALPHA1	X	-.013	5
21	MP BETA1	Z	.022	5
22	MP BETA1	X	-.013	5
23	MP GAMMA1	Z	.022	5
24	MP GAMMA1	X	-.013	5
25	MP ALPHA1	Z	.044	5
26	MP ALPHA1	X	-.025	5
27	MP BETA1	Z	.021	5
28	MP BETA1	X	-.012	5
29	MP GAMMA1	Z	.044	5
30	MP GAMMA1	X	-.025	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.046	6.917
2	MP ALPHA1	Z	.046	1.083
3	MP ALPHA1	X	-.08	6.917
4	MP ALPHA1	X	-.08	1.083
5	MP BETA1	Z	.035	6.917
6	MP BETA1	Z	.035	1.083
7	MP BETA1	X	-.061	6.917
8	MP BETA1	X	-.061	1.083
9	MP GAMMA1	Z	.077	6.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP GAMMA1	Z	.077	1.083
11	MP GAMMA1	X	-.133	6.917
12	MP GAMMA1	X	-.133	1.083
13	MP ALPHA1	Z	.022	5
14	MP ALPHA1	X	-.038	5
15	MP BETA1	Z	.022	5
16	MP BETA1	X	-.038	5
17	MP GAMMA1	Z	.031	5
18	MP GAMMA1	X	-.054	5
19	MP ALPHA1	Z	.013	5
20	MP ALPHA1	X	-.022	5
21	MP BETA1	Z	.013	5
22	MP BETA1	X	-.022	5
23	MP GAMMA1	Z	.013	5
24	MP GAMMA1	X	-.022	5
25	MP ALPHA1	Z	.017	5
26	MP ALPHA1	X	-.029	5
27	MP BETA1	Z	.017	5
28	MP BETA1	X	-.029	5
29	MP GAMMA1	Z	.03	5
30	MP GAMMA1	X	-.051	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.067	6.917
2	MP ALPHA1	X	-.067	1.083
3	MP BETA1	X	-.108	6.917
4	MP BETA1	X	-.108	1.083
5	MP GAMMA1	X	-.163	6.917
6	MP GAMMA1	X	-.163	1.083
7	MP ALPHA1	X	-.038	5
8	MP BETA1	X	-.056	5
9	MP GAMMA1	X	-.056	5
10	MP ALPHA1	X	-.026	5
11	MP BETA1	X	-.026	5
12	MP GAMMA1	X	-.026	5
13	MP ALPHA1	X	-.025	5
14	MP BETA1	X	-.05	5
15	MP GAMMA1	X	-.05	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.046	6.917
2	MP ALPHA1	Z	-.046	1.083
3	MP ALPHA1	X	-.08	6.917
4	MP ALPHA1	X	-.08	1.083
5	MP BETA1	Z	-.077	6.917
6	MP BETA1	Z	-.077	1.083
7	MP BETA1	X	-.133	6.917
8	MP BETA1	X	-.133	1.083
9	MP GAMMA1	Z	-.062	6.917
10	MP GAMMA1	Z	-.062	1.083
11	MP GAMMA1	X	-.108	6.917
12	MP GAMMA1	X	-.108	1.083
13	MP ALPHA1	Z	-.022	5
14	MP ALPHA1	X	-.038	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP BETA1	Z	-.031	5
16	MP BETA1	X	-.054	5
17	MP GAMMA1	Z	-.022	5
18	MP GAMMA1	X	-.038	5
19	MP ALPHA1	Z	-.013	5
20	MP ALPHA1	X	-.022	5
21	MP BETA1	Z	-.013	5
22	MP BETA1	X	-.022	5
23	MP GAMMA1	Z	-.013	5
24	MP GAMMA1	X	-.022	5
25	MP ALPHA1	Z	-.017	5
26	MP ALPHA1	X	-.029	5
27	MP BETA1	Z	-.03	5
28	MP BETA1	X	-.051	5
29	MP GAMMA1	Z	-.017	5
30	MP GAMMA1	X	-.029	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.122	6.917
2	MP ALPHA1	Z	-.122	1.083
3	MP ALPHA1	X	-.07	6.917
4	MP ALPHA1	X	-.07	1.083
5	MP BETA1	Z	-.141	6.917
6	MP BETA1	Z	-.141	1.083
7	MP BETA1	X	-.081	6.917
8	MP BETA1	X	-.081	1.083
9	MP GAMMA1	Z	-.068	6.917
10	MP GAMMA1	Z	-.068	1.083
11	MP GAMMA1	X	-.039	6.917
12	MP GAMMA1	X	-.039	1.083
13	MP ALPHA1	Z	-.048	5
14	MP ALPHA1	X	-.028	5
15	MP BETA1	Z	-.048	5
16	MP BETA1	X	-.028	5
17	MP GAMMA1	Z	-.033	5
18	MP GAMMA1	X	-.019	5
19	MP ALPHA1	Z	-.022	5
20	MP ALPHA1	X	-.013	5
21	MP BETA1	Z	-.022	5
22	MP BETA1	X	-.013	5
23	MP GAMMA1	Z	-.022	5
24	MP GAMMA1	X	-.013	5
25	MP ALPHA1	Z	-.044	5
26	MP ALPHA1	X	-.025	5
27	MP BETA1	Z	-.044	5
28	MP BETA1	X	-.025	5
29	MP GAMMA1	Z	-.021	5
30	MP GAMMA1	X	-.012	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.166	6.917
2	MP ALPHA1	Z	-.166	1.083
3	MP BETA1	Z	-.125	6.917
4	MP BETA1	Z	-.125	1.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	MP GAMMA1	Z	-.07	6.917
6	MP GAMMA1	Z	-.07	1.083
7	MP ALPHA1	Z	-.062	5
8	MP BETA1	Z	-.044	5
9	MP GAMMA1	Z	-.044	5
10	MP ALPHA1	Z	-.026	5
11	MP BETA1	Z	-.026	5
12	MP GAMMA1	Z	-.026	5
13	MP ALPHA1	Z	-.059	5
14	MP BETA1	Z	-.033	5
15	MP GAMMA1	Z	-.033	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.122	6.917
2	MP ALPHA1	Z	-.122	1.083
3	MP ALPHA1	X	.07	6.917
4	MP ALPHA1	X	.07	1.083
5	MP BETA1	Z	-.068	6.917
6	MP BETA1	Z	-.068	1.083
7	MP BETA1	X	.039	6.917
8	MP BETA1	X	.039	1.083
9	MP GAMMA1	Z	-.093	6.917
10	MP GAMMA1	Z	-.093	1.083
11	MP GAMMA1	X	.054	6.917
12	MP GAMMA1	X	.054	1.083
13	MP ALPHA1	Z	-.048	5
14	MP ALPHA1	X	.028	5
15	MP BETA1	Z	-.033	5
16	MP BETA1	X	.019	5
17	MP GAMMA1	Z	-.048	5
18	MP GAMMA1	X	.028	5
19	MP ALPHA1	Z	-.022	5
20	MP ALPHA1	X	.013	5
21	MP BETA1	Z	-.022	5
22	MP BETA1	X	.013	5
23	MP GAMMA1	Z	-.022	5
24	MP GAMMA1	X	.013	5
25	MP ALPHA1	Z	-.044	5
26	MP ALPHA1	X	.025	5
27	MP BETA1	Z	-.021	5
28	MP BETA1	X	.012	5
29	MP GAMMA1	Z	-.044	5
30	MP GAMMA1	X	.025	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.046	6.917
2	MP ALPHA1	Z	-.046	1.083
3	MP ALPHA1	X	.08	6.917
4	MP ALPHA1	X	.08	1.083
5	MP BETA1	Z	-.035	6.917
6	MP BETA1	Z	-.035	1.083
7	MP BETA1	X	.061	6.917
8	MP BETA1	X	.061	1.083
9	MP GAMMA1	Z	-.077	6.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP GAMMA1	Z	-.077	1.083
11	MP GAMMA1	X	.133	6.917
12	MP GAMMA1	X	.133	1.083
13	MP ALPHA1	Z	-.022	5
14	MP ALPHA1	X	.038	5
15	MP BETA1	Z	-.022	5
16	MP BETA1	X	.038	5
17	MP GAMMA1	Z	-.031	5
18	MP GAMMA1	X	.054	5
19	MP ALPHA1	Z	-.013	5
20	MP ALPHA1	X	.022	5
21	MP BETA1	Z	-.013	5
22	MP BETA1	X	.022	5
23	MP GAMMA1	Z	-.013	5
24	MP GAMMA1	X	.022	5
25	MP ALPHA1	Z	-.017	5
26	MP ALPHA1	X	.029	5
27	MP BETA1	Z	-.017	5
28	MP BETA1	X	.029	5
29	MP GAMMA1	Z	-.03	5
30	MP GAMMA1	X	.051	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.067	6.917
2	MP ALPHA1	X	.067	1.083
3	MP BETA1	X	.108	6.917
4	MP BETA1	X	.108	1.083
5	MP GAMMA1	X	.163	6.917
6	MP GAMMA1	X	.163	1.083
7	MP ALPHA1	X	.038	5
8	MP BETA1	X	.056	5
9	MP GAMMA1	X	.056	5
10	MP ALPHA1	X	.026	5
11	MP BETA1	X	.026	5
12	MP GAMMA1	X	.026	5
13	MP ALPHA1	X	.025	5
14	MP BETA1	X	.05	5
15	MP GAMMA1	X	.05	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.046	6.917
2	MP ALPHA1	Z	.046	1.083
3	MP ALPHA1	X	.08	6.917
4	MP ALPHA1	X	.08	1.083
5	MP BETA1	Z	.077	6.917
6	MP BETA1	Z	.077	1.083
7	MP BETA1	X	.133	6.917
8	MP BETA1	X	.133	1.083
9	MP GAMMA1	Z	.062	6.917
10	MP GAMMA1	Z	.062	1.083
11	MP GAMMA1	X	.108	6.917
12	MP GAMMA1	X	.108	1.083
13	MP ALPHA1	Z	.022	5
14	MP ALPHA1	X	.038	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP BETA1	Z	.031	5
16	MP BETA1	X	.054	5
17	MP GAMMA1	Z	.022	5
18	MP GAMMA1	X	.038	5
19	MP ALPHA1	Z	.013	5
20	MP ALPHA1	X	.022	5
21	MP BETA1	Z	.013	5
22	MP BETA1	X	.022	5
23	MP GAMMA1	Z	.013	5
24	MP GAMMA1	X	.022	5
25	MP ALPHA1	Z	.017	5
26	MP ALPHA1	X	.029	5
27	MP BETA1	Z	.03	5
28	MP BETA1	X	.051	5
29	MP GAMMA1	Z	.017	5
30	MP GAMMA1	X	.029	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.122	6.917
2	MP ALPHA1	Z	.122	1.083
3	MP ALPHA1	X	.07	6.917
4	MP ALPHA1	X	.07	1.083
5	MP BETA1	Z	.141	6.917
6	MP BETA1	Z	.141	1.083
7	MP BETA1	X	.081	6.917
8	MP BETA1	X	.081	1.083
9	MP GAMMA1	Z	.068	6.917
10	MP GAMMA1	Z	.068	1.083
11	MP GAMMA1	X	.039	6.917
12	MP GAMMA1	X	.039	1.083
13	MP ALPHA1	Z	.048	5
14	MP ALPHA1	X	.028	5
15	MP BETA1	Z	.048	5
16	MP BETA1	X	.028	5
17	MP GAMMA1	Z	.033	5
18	MP GAMMA1	X	.019	5
19	MP ALPHA1	Z	.022	5
20	MP ALPHA1	X	.013	5
21	MP BETA1	Z	.022	5
22	MP BETA1	X	.013	5
23	MP GAMMA1	Z	.022	5
24	MP GAMMA1	X	.013	5
25	MP ALPHA1	Z	.044	5
26	MP ALPHA1	X	.025	5
27	MP BETA1	Z	.044	5
28	MP BETA1	X	.025	5
29	MP GAMMA1	Z	.021	5
30	MP GAMMA1	X	.012	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.011	6.917
2	MP ALPHA1	Z	.011	1.083
3	MP BETA1	Z	.008	6.917
4	MP BETA1	Z	.008	1.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	MP GAMMA1	Z	.005	6.917
6	MP GAMMA1	Z	.005	1.083
7	MP ALPHA1	Z	.004	5
8	MP BETA1	Z	.003	5
9	MP GAMMA1	Z	.003	5
10	MP ALPHA1	Z	.002	5
11	MP BETA1	Z	.002	5
12	MP GAMMA1	Z	.002	5
13	MP ALPHA1	Z	.004	5
14	MP BETA1	Z	.002	5
15	MP GAMMA1	Z	.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.008	6.917
2	MP ALPHA1	Z	.008	1.083
3	MP ALPHA1	X	-.005	6.917
4	MP ALPHA1	X	-.005	1.083
5	MP BETA1	Z	.004	6.917
6	MP BETA1	Z	.004	1.083
7	MP BETA1	X	-.003	6.917
8	MP BETA1	X	-.003	1.083
9	MP GAMMA1	Z	.006	6.917
10	MP GAMMA1	Z	.006	1.083
11	MP GAMMA1	X	-.003	6.917
12	MP GAMMA1	X	-.003	1.083
13	MP ALPHA1	Z	.003	5
14	MP ALPHA1	X	-.002	5
15	MP BETA1	Z	.002	5
16	MP BETA1	X	-.001	5
17	MP GAMMA1	Z	.003	5
18	MP GAMMA1	X	-.002	5
19	MP ALPHA1	Z	.001	5
20	MP ALPHA1	X	-.00084	5
21	MP BETA1	Z	.001	5
22	MP BETA1	X	-.00084	5
23	MP GAMMA1	Z	.001	5
24	MP GAMMA1	X	-.00084	5
25	MP ALPHA1	Z	.003	5
26	MP ALPHA1	X	-.002	5
27	MP BETA1	Z	.001	5
28	MP BETA1	X	-.000801	5
29	MP GAMMA1	Z	.003	5
30	MP GAMMA1	X	-.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.003	6.917
2	MP ALPHA1	Z	.003	1.083
3	MP ALPHA1	X	-.005	6.917
4	MP ALPHA1	X	-.005	1.083
5	MP BETA1	Z	.002	6.917
6	MP BETA1	Z	.002	1.083
7	MP BETA1	X	-.004	6.917
8	MP BETA1	X	-.004	1.083
9	MP GAMMA1	Z	.005	6.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP GAMMA1	Z	.005	1.083
11	MP GAMMA1	X	-.009	6.917
12	MP GAMMA1	X	-.009	1.083
13	MP ALPHA1	Z	.001	5
14	MP ALPHA1	X	-.002	5
15	MP BETA1	Z	.001	5
16	MP BETA1	X	-.002	5
17	MP GAMMA1	Z	.002	5
18	MP GAMMA1	X	-.003	5
19	MP ALPHA1	Z	.00084	5
20	MP ALPHA1	X	-.001	5
21	MP BETA1	Z	.00084	5
22	MP BETA1	X	-.001	5
23	MP GAMMA1	Z	.00084	5
24	MP GAMMA1	X	-.001	5
25	MP ALPHA1	Z	.001	5
26	MP ALPHA1	X	-.002	5
27	MP BETA1	Z	.001	5
28	MP BETA1	X	-.002	5
29	MP GAMMA1	Z	.002	5
30	MP GAMMA1	X	-.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.004	6.917
2	MP ALPHA1	X	-.004	1.083
3	MP BETA1	X	-.007	6.917
4	MP BETA1	X	-.007	1.083
5	MP GAMMA1	X	-.011	6.917
6	MP GAMMA1	X	-.011	1.083
7	MP ALPHA1	X	-.002	5
8	MP BETA1	X	-.004	5
9	MP GAMMA1	X	-.004	5
10	MP ALPHA1	X	-.002	5
11	MP BETA1	X	-.002	5
12	MP GAMMA1	X	-.002	5
13	MP ALPHA1	X	-.002	5
14	MP BETA1	X	-.003	5
15	MP GAMMA1	X	-.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.003	6.917
2	MP ALPHA1	Z	-.003	1.083
3	MP ALPHA1	X	-.005	6.917
4	MP ALPHA1	X	-.005	1.083
5	MP BETA1	Z	-.005	6.917
6	MP BETA1	Z	-.005	1.083
7	MP BETA1	X	-.009	6.917
8	MP BETA1	X	-.009	1.083
9	MP GAMMA1	Z	-.004	6.917
10	MP GAMMA1	Z	-.004	1.083
11	MP GAMMA1	X	-.007	6.917
12	MP GAMMA1	X	-.007	1.083
13	MP ALPHA1	Z	-.001	5
14	MP ALPHA1	X	-.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP BETA1	Z	-.002	5
16	MP BETA1	X	-.003	5
17	MP GAMMA1	Z	-.001	5
18	MP GAMMA1	X	-.002	5
19	MP ALPHA1	Z	-.00084	5
20	MP ALPHA1	X	-.001	5
21	MP BETA1	Z	-.00084	5
22	MP BETA1	X	-.001	5
23	MP GAMMA1	Z	-.00084	5
24	MP GAMMA1	X	-.001	5
25	MP ALPHA1	Z	-.001	5
26	MP ALPHA1	X	-.002	5
27	MP BETA1	Z	-.002	5
28	MP BETA1	X	-.003	5
29	MP GAMMA1	Z	-.001	5
30	MP GAMMA1	X	-.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.008	6.917
2	MP ALPHA1	Z	-.008	1.083
3	MP ALPHA1	X	-.005	6.917
4	MP ALPHA1	X	-.005	1.083
5	MP BETA1	Z	-.009	6.917
6	MP BETA1	Z	-.009	1.083
7	MP BETA1	X	-.005	6.917
8	MP BETA1	X	-.005	1.083
9	MP GAMMA1	Z	-.004	6.917
10	MP GAMMA1	Z	-.004	1.083
11	MP GAMMA1	X	-.003	6.917
12	MP GAMMA1	X	-.003	1.083
13	MP ALPHA1	Z	-.003	5
14	MP ALPHA1	X	-.002	5
15	MP BETA1	Z	-.003	5
16	MP BETA1	X	-.002	5
17	MP GAMMA1	Z	-.002	5
18	MP GAMMA1	X	-.001	5
19	MP ALPHA1	Z	-.001	5
20	MP ALPHA1	X	-.00084	5
21	MP BETA1	Z	-.001	5
22	MP BETA1	X	-.00084	5
23	MP GAMMA1	Z	-.001	5
24	MP GAMMA1	X	-.00084	5
25	MP ALPHA1	Z	-.003	5
26	MP ALPHA1	X	-.002	5
27	MP BETA1	Z	-.003	5
28	MP BETA1	X	-.002	5
29	MP GAMMA1	Z	-.001	5
30	MP GAMMA1	X	-.000801	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.011	6.917
2	MP ALPHA1	Z	-.011	1.083
3	MP BETA1	Z	-.008	6.917
4	MP BETA1	Z	-.008	1.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	MP GAMMA1	Z	-.005	6.917
6	MP GAMMA1	Z	-.005	1.083
7	MP ALPHA1	Z	-.004	5
8	MP BETA1	Z	-.003	5
9	MP GAMMA1	Z	-.003	5
10	MP ALPHA1	Z	-.002	5
11	MP BETA1	Z	-.002	5
12	MP GAMMA1	Z	-.002	5
13	MP ALPHA1	Z	-.004	5
14	MP BETA1	Z	-.002	5
15	MP GAMMA1	Z	-.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.008	6.917
2	MP ALPHA1	Z	-.008	1.083
3	MP ALPHA1	X	.005	6.917
4	MP ALPHA1	X	.005	1.083
5	MP BETA1	Z	-.004	6.917
6	MP BETA1	Z	-.004	1.083
7	MP BETA1	X	.003	6.917
8	MP BETA1	X	.003	1.083
9	MP GAMMA1	Z	-.006	6.917
10	MP GAMMA1	Z	-.006	1.083
11	MP GAMMA1	X	.003	6.917
12	MP GAMMA1	X	.003	1.083
13	MP ALPHA1	Z	-.003	5
14	MP ALPHA1	X	.002	5
15	MP BETA1	Z	-.002	5
16	MP BETA1	X	.001	5
17	MP GAMMA1	Z	-.003	5
18	MP GAMMA1	X	.002	5
19	MP ALPHA1	Z	-.001	5
20	MP ALPHA1	X	.00084	5
21	MP BETA1	Z	-.001	5
22	MP BETA1	X	.00084	5
23	MP GAMMA1	Z	-.001	5
24	MP GAMMA1	X	.00084	5
25	MP ALPHA1	Z	-.003	5
26	MP ALPHA1	X	.002	5
27	MP BETA1	Z	-.001	5
28	MP BETA1	X	.000801	5
29	MP GAMMA1	Z	-.003	5
30	MP GAMMA1	X	.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.003	6.917
2	MP ALPHA1	Z	-.003	1.083
3	MP ALPHA1	X	.005	6.917
4	MP ALPHA1	X	.005	1.083
5	MP BETA1	Z	-.002	6.917
6	MP BETA1	Z	-.002	1.083
7	MP BETA1	X	.004	6.917
8	MP BETA1	X	.004	1.083
9	MP GAMMA1	Z	-.005	6.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
10	MP GAMMA1	Z	-.005	1.083
11	MP GAMMA1	X	.009	6.917
12	MP GAMMA1	X	.009	1.083
13	MP ALPHA1	Z	-.001	5
14	MP ALPHA1	X	.002	5
15	MP BETA1	Z	-.001	5
16	MP BETA1	X	.002	5
17	MP GAMMA1	Z	-.002	5
18	MP GAMMA1	X	.003	5
19	MP ALPHA1	Z	-.00084	5
20	MP ALPHA1	X	.001	5
21	MP BETA1	Z	-.00084	5
22	MP BETA1	X	.001	5
23	MP GAMMA1	Z	-.00084	5
24	MP GAMMA1	X	.001	5
25	MP ALPHA1	Z	-.001	5
26	MP ALPHA1	X	.002	5
27	MP BETA1	Z	-.001	5
28	MP BETA1	X	.002	5
29	MP GAMMA1	Z	-.002	5
30	MP GAMMA1	X	.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.004	6.917
2	MP ALPHA1	X	.004	1.083
3	MP BETA1	X	.007	6.917
4	MP BETA1	X	.007	1.083
5	MP GAMMA1	X	.011	6.917
6	MP GAMMA1	X	.011	1.083
7	MP ALPHA1	X	.002	5
8	MP BETA1	X	.004	5
9	MP GAMMA1	X	.004	5
10	MP ALPHA1	X	.002	5
11	MP BETA1	X	.002	5
12	MP GAMMA1	X	.002	5
13	MP ALPHA1	X	.002	5
14	MP BETA1	X	.003	5
15	MP GAMMA1	X	.003	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.003	6.917
2	MP ALPHA1	Z	.003	1.083
3	MP ALPHA1	X	.005	6.917
4	MP ALPHA1	X	.005	1.083
5	MP BETA1	Z	.005	6.917
6	MP BETA1	Z	.005	1.083
7	MP BETA1	X	.009	6.917
8	MP BETA1	X	.009	1.083
9	MP GAMMA1	Z	.004	6.917
10	MP GAMMA1	Z	.004	1.083
11	MP GAMMA1	X	.007	6.917
12	MP GAMMA1	X	.007	1.083
13	MP ALPHA1	Z	.001	5
14	MP ALPHA1	X	.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP BETA1	Z	.002	5
16	MP BETA1	X	.003	5
17	MP GAMMA1	Z	.001	5
18	MP GAMMA1	X	.002	5
19	MP ALPHA1	Z	.00084	5
20	MP ALPHA1	X	.001	5
21	MP BETA1	Z	.00084	5
22	MP BETA1	X	.001	5
23	MP GAMMA1	Z	.00084	5
24	MP GAMMA1	X	.001	5
25	MP ALPHA1	Z	.001	5
26	MP ALPHA1	X	.002	5
27	MP BETA1	Z	.002	5
28	MP BETA1	X	.003	5
29	MP GAMMA1	Z	.001	5
30	MP GAMMA1	X	.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.008	6.917
2	MP ALPHA1	Z	.008	1.083
3	MP ALPHA1	X	.005	6.917
4	MP ALPHA1	X	.005	1.083
5	MP BETA1	Z	.009	6.917
6	MP BETA1	Z	.009	1.083
7	MP BETA1	X	.005	6.917
8	MP BETA1	X	.005	1.083
9	MP GAMMA1	Z	.004	6.917
10	MP GAMMA1	Z	.004	1.083
11	MP GAMMA1	X	.003	6.917
12	MP GAMMA1	X	.003	1.083
13	MP ALPHA1	Z	.003	5
14	MP ALPHA1	X	.002	5
15	MP BETA1	Z	.003	5
16	MP BETA1	X	.002	5
17	MP GAMMA1	Z	.002	5
18	MP GAMMA1	X	.001	5
19	MP ALPHA1	Z	.001	5
20	MP ALPHA1	X	.00084	5
21	MP BETA1	Z	.001	5
22	MP BETA1	X	.00084	5
23	MP GAMMA1	Z	.001	5
24	MP GAMMA1	X	.00084	5
25	MP ALPHA1	Z	.003	5
26	MP ALPHA1	X	.002	5
27	MP BETA1	Z	.003	5
28	MP BETA1	X	.002	5
29	MP GAMMA1	Z	.001	5
30	MP GAMMA1	X	.000801	5

Member Point Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.112	6.917
2	MP ALPHA1	Y	-.112	1.083
3	MP BETA1	Y	-.112	6.917
4	MP BETA1	Y	-.112	1.083

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
5	MP GAMMA1	Y	-.112	6.917
6	MP GAMMA1	Y	-.112	1.083
7	MP ALPHA1	Y	-.044	5
8	MP BETA1	Y	-.044	5
9	MP GAMMA1	Y	-.044	5
10	MP ALPHA1	Y	-.052	5
11	MP BETA1	Y	-.052	5
12	MP GAMMA1	Y	-.052	5
13	MP ALPHA1	Y	-.037	5
14	MP BETA1	Y	-.037	5
15	MP GAMMA1	Y	-.037	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.031	6.917
2	MP ALPHA1	Z	.031	1.083
3	MP BETA1	Z	.029	6.917
4	MP BETA1	Z	.029	1.083
5	MP GAMMA1	Z	.012	6.917
6	MP GAMMA1	Z	.012	1.083
7	MP ALPHA1	Z	.009	5
8	MP BETA1	Z	.006	5
9	MP GAMMA1	Z	.006	5
10	MP ALPHA1	Z	.009	5
11	MP BETA1	Z	.009	5
12	MP GAMMA1	Z	.009	5
13	MP ALPHA1	Z	.008	5
14	MP BETA1	Z	.005	5
15	MP GAMMA1	Z	.005	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.023	6.917
2	MP ALPHA1	Z	.023	1.083
3	MP ALPHA1	X	-.013	6.917
4	MP ALPHA1	X	-.013	1.083
5	MP BETA1	Z	.015	6.917
6	MP BETA1	Z	.015	1.083
7	MP BETA1	X	-.009	6.917
8	MP BETA1	X	-.009	1.083
9	MP GAMMA1	Z	.014	6.917
10	MP GAMMA1	Z	.014	1.083
11	MP GAMMA1	X	-.008	6.917
12	MP GAMMA1	X	-.008	1.083
13	MP ALPHA1	Z	.007	5
14	MP ALPHA1	X	-.004	5
15	MP BETA1	Z	.005	5
16	MP BETA1	X	-.003	5
17	MP GAMMA1	Z	.007	5
18	MP GAMMA1	X	-.004	5
19	MP ALPHA1	Z	.008	5
20	MP ALPHA1	X	-.004	5
21	MP BETA1	Z	.008	5
22	MP BETA1	X	-.004	5
23	MP GAMMA1	Z	.008	5
24	MP GAMMA1	X	-.004	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP ALPHA1	Z	.006	5
26	MP ALPHA1	X	-.004	5
27	MP BETA1	Z	.004	5
28	MP BETA1	X	-.002	5
29	MP GAMMA1	Z	.006	5
30	MP GAMMA1	X	-.004	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.009	6.917
2	MP ALPHA1	Z	.009	1.083
3	MP ALPHA1	X	-.016	6.917
4	MP ALPHA1	X	-.016	1.083
5	MP BETA1	Z	.006	6.917
6	MP BETA1	Z	.006	1.083
7	MP BETA1	X	-.01	6.917
8	MP BETA1	X	-.01	1.083
9	MP GAMMA1	Z	.013	6.917
10	MP GAMMA1	Z	.013	1.083
11	MP GAMMA1	X	-.023	6.917
12	MP GAMMA1	X	-.023	1.083
13	MP ALPHA1	Z	.003	5
14	MP ALPHA1	X	-.006	5
15	MP BETA1	Z	.003	5
16	MP BETA1	X	-.006	5
17	MP GAMMA1	Z	.004	5
18	MP GAMMA1	X	-.007	5
19	MP ALPHA1	Z	.004	5
20	MP ALPHA1	X	-.008	5
21	MP BETA1	Z	.004	5
22	MP BETA1	X	-.008	5
23	MP GAMMA1	Z	.004	5
24	MP GAMMA1	X	-.008	5
25	MP ALPHA1	Z	.003	5
26	MP ALPHA1	X	-.004	5
27	MP BETA1	Z	.003	5
28	MP BETA1	X	-.004	5
29	MP GAMMA1	Z	.004	5
30	MP GAMMA1	X	-.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.014	6.917
2	MP ALPHA1	X	-.014	1.083
3	MP BETA1	X	-.016	6.917
4	MP BETA1	X	-.016	1.083
5	MP GAMMA1	X	-.033	6.917
6	MP GAMMA1	X	-.033	1.083
7	MP ALPHA1	X	-.006	5
8	MP BETA1	X	-.008	5
9	MP GAMMA1	X	-.008	5
10	MP ALPHA1	X	-.009	5
11	MP BETA1	X	-.009	5
12	MP GAMMA1	X	-.009	5
13	MP ALPHA1	X	-.004	5
14	MP BETA1	X	-.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP GAMMA1	X	-.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.009	6.917
2	MP ALPHA1	Z	-.009	1.083
3	MP ALPHA1	X	-.016	6.917
4	MP ALPHA1	X	-.016	1.083
5	MP BETA1	Z	-.013	6.917
6	MP BETA1	Z	-.013	1.083
7	MP BETA1	X	-.023	6.917
8	MP BETA1	X	-.023	1.083
9	MP GAMMA1	Z	-.014	6.917
10	MP GAMMA1	Z	-.014	1.083
11	MP GAMMA1	X	-.025	6.917
12	MP GAMMA1	X	-.025	1.083
13	MP ALPHA1	Z	-.003	5
14	MP ALPHA1	X	-.006	5
15	MP BETA1	Z	-.004	5
16	MP BETA1	X	-.007	5
17	MP GAMMA1	Z	-.003	5
18	MP GAMMA1	X	-.006	5
19	MP ALPHA1	Z	-.004	5
20	MP ALPHA1	X	-.008	5
21	MP BETA1	Z	-.004	5
22	MP BETA1	X	-.008	5
23	MP GAMMA1	Z	-.004	5
24	MP GAMMA1	X	-.008	5
25	MP ALPHA1	Z	-.003	5
26	MP ALPHA1	X	-.004	5
27	MP BETA1	Z	-.004	5
28	MP BETA1	X	-.007	5
29	MP GAMMA1	Z	-.003	5
30	MP GAMMA1	X	-.004	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.023	6.917
2	MP ALPHA1	Z	-.023	1.083
3	MP ALPHA1	X	-.013	6.917
4	MP ALPHA1	X	-.013	1.083
5	MP BETA1	Z	-.029	6.917
6	MP BETA1	Z	-.029	1.083
7	MP BETA1	X	-.017	6.917
8	MP BETA1	X	-.017	1.083
9	MP GAMMA1	Z	-.015	6.917
10	MP GAMMA1	Z	-.015	1.083
11	MP GAMMA1	X	-.009	6.917
12	MP GAMMA1	X	-.009	1.083
13	MP ALPHA1	Z	-.007	5
14	MP ALPHA1	X	-.004	5
15	MP BETA1	Z	-.007	5
16	MP BETA1	X	-.004	5
17	MP GAMMA1	Z	-.005	5
18	MP GAMMA1	X	-.003	5
19	MP ALPHA1	Z	-.008	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP ALPHA1	X	-.004	5
21	MP BETA1	Z	-.008	5
22	MP BETA1	X	-.004	5
23	MP GAMMA1	Z	-.008	5
24	MP GAMMA1	X	-.004	5
25	MP ALPHA1	Z	-.006	5
26	MP ALPHA1	X	-.004	5
27	MP BETA1	Z	-.006	5
28	MP BETA1	X	-.004	5
29	MP GAMMA1	Z	-.004	5
30	MP GAMMA1	X	-.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.031	6.917
2	MP ALPHA1	Z	-.031	1.083
3	MP BETA1	Z	-.029	6.917
4	MP BETA1	Z	-.029	1.083
5	MP GAMMA1	Z	-.012	6.917
6	MP GAMMA1	Z	-.012	1.083
7	MP ALPHA1	Z	-.009	5
8	MP BETA1	Z	-.006	5
9	MP GAMMA1	Z	-.006	5
10	MP ALPHA1	Z	-.009	5
11	MP BETA1	Z	-.009	5
12	MP GAMMA1	Z	-.009	5
13	MP ALPHA1	Z	-.008	5
14	MP BETA1	Z	-.005	5
15	MP GAMMA1	Z	-.005	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.023	6.917
2	MP ALPHA1	Z	-.023	1.083
3	MP ALPHA1	X	.013	6.917
4	MP ALPHA1	X	.013	1.083
5	MP BETA1	Z	-.015	6.917
6	MP BETA1	Z	-.015	1.083
7	MP BETA1	X	.009	6.917
8	MP BETA1	X	.009	1.083
9	MP GAMMA1	Z	-.014	6.917
10	MP GAMMA1	Z	-.014	1.083
11	MP GAMMA1	X	.008	6.917
12	MP GAMMA1	X	.008	1.083
13	MP ALPHA1	Z	-.007	5
14	MP ALPHA1	X	.004	5
15	MP BETA1	Z	-.005	5
16	MP BETA1	X	.003	5
17	MP GAMMA1	Z	-.007	5
18	MP GAMMA1	X	.004	5
19	MP ALPHA1	Z	-.008	5
20	MP ALPHA1	X	.004	5
21	MP BETA1	Z	-.008	5
22	MP BETA1	X	.004	5
23	MP GAMMA1	Z	-.008	5
24	MP GAMMA1	X	.004	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
25	MP ALPHA1	Z	-.006	5
26	MP ALPHA1	X	.004	5
27	MP BETA1	Z	-.004	5
28	MP BETA1	X	.002	5
29	MP GAMMA1	Z	-.006	5
30	MP GAMMA1	X	.004	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	-.009	6.917
2	MP ALPHA1	Z	-.009	1.083
3	MP ALPHA1	X	.016	6.917
4	MP ALPHA1	X	.016	1.083
5	MP BETA1	Z	-.006	6.917
6	MP BETA1	Z	-.006	1.083
7	MP BETA1	X	.01	6.917
8	MP BETA1	X	.01	1.083
9	MP GAMMA1	Z	-.013	6.917
10	MP GAMMA1	Z	-.013	1.083
11	MP GAMMA1	X	.023	6.917
12	MP GAMMA1	X	.023	1.083
13	MP ALPHA1	Z	-.003	5
14	MP ALPHA1	X	.006	5
15	MP BETA1	Z	-.003	5
16	MP BETA1	X	.006	5
17	MP GAMMA1	Z	-.004	5
18	MP GAMMA1	X	.007	5
19	MP ALPHA1	Z	-.004	5
20	MP ALPHA1	X	.008	5
21	MP BETA1	Z	-.004	5
22	MP BETA1	X	.008	5
23	MP GAMMA1	Z	-.004	5
24	MP GAMMA1	X	.008	5
25	MP ALPHA1	Z	-.003	5
26	MP ALPHA1	X	.004	5
27	MP BETA1	Z	-.003	5
28	MP BETA1	X	.004	5
29	MP GAMMA1	Z	-.004	5
30	MP GAMMA1	X	.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	.014	6.917
2	MP ALPHA1	X	.014	1.083
3	MP BETA1	X	.016	6.917
4	MP BETA1	X	.016	1.083
5	MP GAMMA1	X	.033	6.917
6	MP GAMMA1	X	.033	1.083
7	MP ALPHA1	X	.006	5
8	MP BETA1	X	.008	5
9	MP GAMMA1	X	.008	5
10	MP ALPHA1	X	.009	5
11	MP BETA1	X	.009	5
12	MP GAMMA1	X	.009	5
13	MP ALPHA1	X	.004	5
14	MP BETA1	X	.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
15	MP GAMMA1	X	.007	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.009	6.917
2	MP ALPHA1	Z	.009	1.083
3	MP ALPHA1	X	.016	6.917
4	MP ALPHA1	X	.016	1.083
5	MP BETA1	Z	.013	6.917
6	MP BETA1	Z	.013	1.083
7	MP BETA1	X	.023	6.917
8	MP BETA1	X	.023	1.083
9	MP GAMMA1	Z	.014	6.917
10	MP GAMMA1	Z	.014	1.083
11	MP GAMMA1	X	.025	6.917
12	MP GAMMA1	X	.025	1.083
13	MP ALPHA1	Z	.003	5
14	MP ALPHA1	X	.006	5
15	MP BETA1	Z	.004	5
16	MP BETA1	X	.007	5
17	MP GAMMA1	Z	.003	5
18	MP GAMMA1	X	.006	5
19	MP ALPHA1	Z	.004	5
20	MP ALPHA1	X	.008	5
21	MP BETA1	Z	.004	5
22	MP BETA1	X	.008	5
23	MP GAMMA1	Z	.004	5
24	MP GAMMA1	X	.008	5
25	MP ALPHA1	Z	.003	5
26	MP ALPHA1	X	.004	5
27	MP BETA1	Z	.004	5
28	MP BETA1	X	.007	5
29	MP GAMMA1	Z	.003	5
30	MP GAMMA1	X	.004	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.023	6.917
2	MP ALPHA1	Z	.023	1.083
3	MP ALPHA1	X	.013	6.917
4	MP ALPHA1	X	.013	1.083
5	MP BETA1	Z	.029	6.917
6	MP BETA1	Z	.029	1.083
7	MP BETA1	X	.017	6.917
8	MP BETA1	X	.017	1.083
9	MP GAMMA1	Z	.015	6.917
10	MP GAMMA1	Z	.015	1.083
11	MP GAMMA1	X	.009	6.917
12	MP GAMMA1	X	.009	1.083
13	MP ALPHA1	Z	.007	5
14	MP ALPHA1	X	.004	5
15	MP BETA1	Z	.007	5
16	MP BETA1	X	.004	5
17	MP GAMMA1	Z	.005	5
18	MP GAMMA1	X	.003	5
19	MP ALPHA1	Z	.008	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
20	MP ALPHA1	X	.004	5
21	MP BETA1	Z	.008	5
22	MP BETA1	X	.004	5
23	MP GAMMA1	Z	.008	5
24	MP GAMMA1	X	.004	5
25	MP ALPHA1	Z	.006	5
26	MP ALPHA1	X	.004	5
27	MP BETA1	Z	.006	5
28	MP BETA1	X	.004	5
29	MP GAMMA1	Z	.004	5
30	MP GAMMA1	X	.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	X	-.007	6.917
2	MP ALPHA1	X	-.007	1.083
3	MP BETA1	X	-.007	6.917
4	MP BETA1	X	-.007	1.083
5	MP GAMMA1	X	-.007	6.917
6	MP GAMMA1	X	-.007	1.083
7	MP ALPHA1	X	-.006	5
8	MP BETA1	X	-.006	5
9	MP GAMMA1	X	-.006	5
10	MP ALPHA1	X	-.002	5
11	MP BETA1	X	-.002	5
12	MP GAMMA1	X	-.002	5
13	MP ALPHA1	X	-.006	5
14	MP BETA1	X	-.006	5
15	MP GAMMA1	X	-.006	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Y	-.003	6.917
2	MP ALPHA1	Y	-.003	1.083
3	MP BETA1	Y	-.003	6.917
4	MP BETA1	Y	-.003	1.083
5	MP GAMMA1	Y	-.003	6.917
6	MP GAMMA1	Y	-.003	1.083
7	MP ALPHA1	Y	-.003	5
8	MP BETA1	Y	-.003	5
9	MP GAMMA1	Y	-.003	5
10	MP ALPHA1	Y	-.000806	5
11	MP BETA1	Y	-.000806	5
12	MP GAMMA1	Y	-.000806	5
13	MP ALPHA1	Y	-.002	5
14	MP BETA1	Y	-.002	5
15	MP GAMMA1	Y	-.002	5

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
1	MP ALPHA1	Z	.007	6.917
2	MP ALPHA1	Z	.007	1.083
3	MP BETA1	Z	.007	6.917
4	MP BETA1	Z	.007	1.083
5	MP GAMMA1	Z	.007	6.917

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

	Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
6	MP GAMMA1	Z	.007	1.083
7	MP ALPHA1	Z	.006	5
8	MP BETA1	Z	.006	5
9	MP GAMMA1	Z	.006	5
10	MP ALPHA1	Z	.002	5
11	MP BETA1	Z	.002	5
12	MP GAMMA1	Z	.002	5
13	MP ALPHA1	Z	.006	5
14	MP BETA1	Z	.006	5
15	MP GAMMA1	Z	.006	5

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.003	.003	0	0
2	SUPP ALPHA	PZ	.008	.008	0	0
3	SR4 ALPHA	PZ	.000563	.000563	0	0
4	SR3 ALPHA	PZ	.000563	.000563	0	0
5	SR2 ALPHA	PZ	.000563	.000563	0	0
6	SR1 ALPHA	PZ	.000563	.000563	0	0
7	SO2 ALPHA	PZ	.005	.005	0	0
8	SO1 ALPHA	PZ	.005	.005	0	0
9	SO VERT1 ALPHA	PZ	.003	.003	0	0
10	SO PLATE4 ALPHA	PZ	.01	.01	0	0
11	SO PLATE3 ALPHA	PZ	.01	.01	0	0
12	SO PLATE2 ALPHA	PZ	.01	.01	0	0
13	SO PLATE1 ALPHA	PZ	.01	.01	0	0
14	MP ALPHA1	PZ	.007	.007	0	0
15	CONNECTION2 ALPHA	PZ	.012	.012	0	0
16	CONNECTION1 ALPHA	PZ	.012	.012	0	0
17	TIEBACK BETA	PZ	.001	.001	0	0
18	SUPP BETA	PZ	.004	.004	0	0
19	SR4 BETA	PZ	.000281	.000281	0	0
20	SR3 BETA	PZ	.000281	.000281	0	0
21	SR2 BETA	PZ	.000281	.000281	0	0
22	SR1 BETA	PZ	.000281	.000281	0	0
23	SO2 BETA	PZ	.002	.002	0	0
24	SO1 BETA	PZ	.002	.002	0	0
25	SO VERT1 BETA	PZ	.001	.001	0	0
26	SO PLATE4 BETA	PZ	.005	.005	0	0
27	SO PLATE3 BETA	PZ	.005	.005	0	0
28	SO PLATE2 BETA	PZ	.005	.005	0	0
29	SO PLATE1 BETA	PZ	.005	.005	0	0
30	MP BETA1	PZ	.004	.004	0	0
31	CONNECTION2 BETA	PZ	.006	.006	0	0
32	CONNECTION1 BETA	PZ	.006	.006	0	0
33	TIEBACK GAMMA	PZ	.001	.001	0	0
34	SUPP GAMMA	PZ	.004	.004	0	0
35	SR4 GAMMA	PZ	.000281	.000281	0	0
36	SR3 GAMMA	PZ	.000281	.000281	0	0
37	SR2 GAMMA	PZ	.000281	.000281	0	0
38	SR1 GAMMA	PZ	.000281	.000281	0	0
39	SO2 GAMMA	PZ	.002	.002	0	0
40	SO1 GAMMA	PZ	.002	.002	0	0
41	SO VERT1 GAMMA	PZ	.001	.001	0	0
42	SO PLATE4 GAMMA	PZ	.005	.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
43	SO PLATE3 GAMMA	PZ	.005	.005	0	0
44	SO PLATE2 GAMMA	PZ	.005	.005	0	0
45	SO PLATE1 GAMMA	PZ	.005	.005	0	0
46	MP GAMMA1	PZ	.004	.004	0	0
47	CONNECTION2 GAMMA	PZ	.006	.006	0	0
48	CONNECTION1 GAMMA	PZ	.006	.006	0	0
49	TIEBACK BETA	PX	.002	.002	0	0
50	SUPP BETA	PX	.007	.007	0	0
51	SR4 BETA	PX	.000487	.000487	0	0
52	SR3 BETA	PX	.000487	.000487	0	0
53	SR2 BETA	PX	.000487	.000487	0	0
54	SR1 BETA	PX	.000487	.000487	0	0
55	SO2 BETA	PX	.004	.004	0	0
56	SO1 BETA	PX	.004	.004	0	0
57	SO VERT1 BETA	PX	.002	.002	0	0
58	SO PLATE4 BETA	PX	.009	.009	0	0
59	SO PLATE3 BETA	PX	.009	.009	0	0
60	SO PLATE2 BETA	PX	.009	.009	0	0
61	SO PLATE1 BETA	PX	.009	.009	0	0
62	MP BETA1	PX	.006	.006	0	0
63	CONNECTION2 BETA	PX	.01	.01	0	0
64	CONNECTION1 BETA	PX	.01	.01	0	0
65	TIEBACK GAMMA	PX	-.002	-.002	0	0
66	SUPP GAMMA	PX	-.007	-.007	0	0
67	SR4 GAMMA	PX	-.000487	-.000487	0	0
68	SR3 GAMMA	PX	-.000487	-.000487	0	0
69	SR2 GAMMA	PX	-.000487	-.000487	0	0
70	SR1 GAMMA	PX	-.000487	-.000487	0	0
71	SO2 GAMMA	PX	-.004	-.004	0	0
72	SO1 GAMMA	PX	-.004	-.004	0	0
73	SO VERT1 GAMMA	PX	-.002	-.002	0	0
74	SO PLATE4 GAMMA	PX	-.009	-.009	0	0
75	SO PLATE3 GAMMA	PX	-.009	-.009	0	0
76	SO PLATE2 GAMMA	PX	-.009	-.009	0	0
77	SO PLATE1 GAMMA	PX	-.009	-.009	0	0
78	MP GAMMA1	PX	-.006	-.006	0	0
79	CONNECTION2 GAMMA	PX	-.01	-.01	0	0
80	CONNECTION1 GAMMA	PX	-.01	-.01	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.002	.002	0	0
2	SUPP ALPHA	PZ	.007	.007	0	0
3	SR4 ALPHA	PZ	.000487	.000487	0	0
4	SR3 ALPHA	PZ	.000487	.000487	0	0
5	SR2 ALPHA	PZ	.000487	.000487	0	0
6	SR1 ALPHA	PZ	.000487	.000487	0	0
7	SO2 ALPHA	PZ	.004	.004	0	0
8	SO1 ALPHA	PZ	.004	.004	0	0
9	SO VERT1 ALPHA	PZ	.002	.002	0	0
10	SO PLATE4 ALPHA	PZ	.009	.009	0	0
11	SO PLATE3 ALPHA	PZ	.009	.009	0	0
12	SO PLATE2 ALPHA	PZ	.009	.009	0	0
13	SO PLATE1 ALPHA	PZ	.009	.009	0	0
14	MP ALPHA1	PZ	.006	.006	0	0
15	CONNECTION2 ALPHA	PZ	.01	.01	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
16	CONNECTION1 ALPHA	PZ	.01	.01	0	0
17	TIEBACK BETA	PX	-.002	-.002	0	0
18	SUPP BETA	PX	-.007	-.007	0	0
19	SR4 BETA	PX	-.000477	-.000477	0	0
20	SR3 BETA	PX	-.000477	-.000477	0	0
21	SR2 BETA	PX	-.000477	-.000477	0	0
22	SR1 BETA	PX	-.000477	-.000477	0	0
23	SO2 BETA	PX	-.01	-.01	0	0
24	SO1 BETA	PX	-.01	-.01	0	0
25	SO VERT1 BETA	PX	-.005	-.005	0	0
26	SO PLATE4 BETA	PX	-.01	-.01	0	0
27	SO PLATE3 BETA	PX	-.01	-.01	0	0
28	SO PLATE2 BETA	PX	-.01	-.01	0	0
29	SO PLATE1 BETA	PX	-.01	-.01	0	0
30	MP BETA1	PX	-.007	-.007	0	0
31	CONNECTION2 BETA	PX	-.012	-.012	0	0
32	CONNECTION1 BETA	PX	-.012	-.012	0	0
33	TIEBACK GAMMA	PZ	.002	.002	0	0
34	SUPP GAMMA	PZ	.007	.007	0	0
35	SR4 GAMMA	PZ	.000487	.000487	0	0
36	SR3 GAMMA	PZ	.000487	.000487	0	0
37	SR2 GAMMA	PZ	.000487	.000487	0	0
38	SR1 GAMMA	PZ	.000487	.000487	0	0
39	SO2 GAMMA	PZ	.004	.004	0	0
40	SO1 GAMMA	PZ	.004	.004	0	0
41	SO VERT1 GAMMA	PZ	.002	.002	0	0
42	SO PLATE4 GAMMA	PZ	.009	.009	0	0
43	SO PLATE3 GAMMA	PZ	.009	.009	0	0
44	SO PLATE2 GAMMA	PZ	.009	.009	0	0
45	SO PLATE1 GAMMA	PZ	.009	.009	0	0
46	MP GAMMA1	PZ	.006	.006	0	0
47	CONNECTION2 GAMMA	PZ	.01	.01	0	0
48	CONNECTION1 GAMMA	PZ	.01	.01	0	0
49	TIEBACK ALPHA	PX	-.001	-.001	0	0
50	SUPP ALPHA	PX	-.004	-.004	0	0
51	SR4 ALPHA	PX	-.000281	-.000281	0	0
52	SR3 ALPHA	PX	-.000281	-.000281	0	0
53	SR2 ALPHA	PX	-.000281	-.000281	0	0
54	SR1 ALPHA	PX	-.000281	-.000281	0	0
55	SO2 ALPHA	PX	-.002	-.002	0	0
56	SO1 ALPHA	PX	-.002	-.002	0	0
57	SO VERT1 ALPHA	PX	-.001	-.001	0	0
58	SO PLATE4 ALPHA	PX	-.005	-.005	0	0
59	SO PLATE3 ALPHA	PX	-.005	-.005	0	0
60	SO PLATE2 ALPHA	PX	-.005	-.005	0	0
61	SO PLATE1 ALPHA	PX	-.005	-.005	0	0
62	MP ALPHA1	PX	-.004	-.004	0	0
63	CONNECTION2 ALPHA	PX	-.006	-.006	0	0
64	CONNECTION1 ALPHA	PX	-.006	-.006	0	0
65	TIEBACK GAMMA	PX	-.001	-.001	0	0
66	SUPP GAMMA	PX	-.004	-.004	0	0
67	SR4 GAMMA	PX	-.000281	-.000281	0	0
68	SR3 GAMMA	PX	-.000281	-.000281	0	0
69	SR2 GAMMA	PX	-.000281	-.000281	0	0
70	SR1 GAMMA	PX	-.000281	-.000281	0	0
71	SO2 GAMMA	PX	-.002	-.002	0	0
72	SO1 GAMMA	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
73	SO VERT1 GAMMA	PX	-.001	-.001	0	0
74	SO PLATE4 GAMMA	PX	-.005	-.005	0	0
75	SO PLATE3 GAMMA	PX	-.005	-.005	0	0
76	SO PLATE2 GAMMA	PX	-.005	-.005	0	0
77	SO PLATE1 GAMMA	PX	-.005	-.005	0	0
78	MP GAMMA1	PX	-.004	-.004	0	0
79	CONNECTION2 GAMMA	PX	-.006	-.006	0	0
80	CONNECTION1 GAMMA	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.001	.001	0	0
2	SUPP ALPHA	PZ	.004	.004	0	0
3	SR4 ALPHA	PZ	.000281	.000281	0	0
4	SR3 ALPHA	PZ	.000281	.000281	0	0
5	SR2 ALPHA	PZ	.000281	.000281	0	0
6	SR1 ALPHA	PZ	.000281	.000281	0	0
7	SO2 ALPHA	PZ	.002	.002	0	0
8	SO1 ALPHA	PZ	.002	.002	0	0
9	SO VERT1 ALPHA	PZ	.001	.001	0	0
10	SO PLATE4 ALPHA	PZ	.005	.005	0	0
11	SO PLATE3 ALPHA	PZ	.005	.005	0	0
12	SO PLATE2 ALPHA	PZ	.005	.005	0	0
13	SO PLATE1 ALPHA	PZ	.005	.005	0	0
14	MP ALPHA1	PZ	.004	.004	0	0
15	CONNECTION2 ALPHA	PZ	.006	.006	0	0
16	CONNECTION1 ALPHA	PZ	.006	.006	0	0
17	TIEBACK BETA	PZ	.001	.001	0	0
18	SUPP BETA	PZ	.004	.004	0	0
19	SR4 BETA	PZ	.000281	.000281	0	0
20	SR3 BETA	PZ	.000281	.000281	0	0
21	SR2 BETA	PZ	.000281	.000281	0	0
22	SR1 BETA	PZ	.000281	.000281	0	0
23	SO2 BETA	PZ	.002	.002	0	0
24	SO1 BETA	PZ	.002	.002	0	0
25	SO VERT1 BETA	PZ	.001	.001	0	0
26	SO PLATE4 BETA	PZ	.005	.005	0	0
27	SO PLATE3 BETA	PZ	.005	.005	0	0
28	SO PLATE2 BETA	PZ	.005	.005	0	0
29	SO PLATE1 BETA	PZ	.005	.005	0	0
30	MP BETA1	PZ	.004	.004	0	0
31	CONNECTION2 BETA	PZ	.006	.006	0	0
32	CONNECTION1 BETA	PZ	.006	.006	0	0
33	TIEBACK GAMMA	PZ	.003	.003	0	0
34	SUPP GAMMA	PZ	.008	.008	0	0
35	SR4 GAMMA	PZ	.000563	.000563	0	0
36	SR3 GAMMA	PZ	.000563	.000563	0	0
37	SR2 GAMMA	PZ	.000563	.000563	0	0
38	SR1 GAMMA	PZ	.000563	.000563	0	0
39	SO2 GAMMA	PZ	.005	.005	0	0
40	SO1 GAMMA	PZ	.005	.005	0	0
41	SO VERT1 GAMMA	PZ	.003	.003	0	0
42	SO PLATE4 GAMMA	PZ	.01	.01	0	0
43	SO PLATE3 GAMMA	PZ	.01	.01	0	0
44	SO PLATE2 GAMMA	PZ	.01	.01	0	0
45	SO PLATE1 GAMMA	PZ	.01	.01	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
46	MP GAMMA1	PZ	.007	.007	0	0
47	CONNECTION2 GAMMA	PZ	.012	.012	0	0
48	CONNECTION1 GAMMA	PZ	.012	.012	0	0
49	TIEBACK ALPHA	PX	-.002	-.002	0	0
50	SUPP ALPHA	PX	-.007	-.007	0	0
51	SR4 ALPHA	PX	-.000487	-.000487	0	0
52	SR3 ALPHA	PX	-.000487	-.000487	0	0
53	SR2 ALPHA	PX	-.000487	-.000487	0	0
54	SR1 ALPHA	PX	-.000487	-.000487	0	0
55	SO2 ALPHA	PX	-.004	-.004	0	0
56	SO1 ALPHA	PX	-.004	-.004	0	0
57	SO VERT1 ALPHA	PX	-.002	-.002	0	0
58	SO PLATE4 ALPHA	PX	-.009	-.009	0	0
59	SO PLATE3 ALPHA	PX	-.009	-.009	0	0
60	SO PLATE2 ALPHA	PX	-.009	-.009	0	0
61	SO PLATE1 ALPHA	PX	-.009	-.009	0	0
62	MP ALPHA1	PX	-.006	-.006	0	0
63	CONNECTION2 ALPHA	PX	-.01	-.01	0	0
64	CONNECTION1 ALPHA	PX	-.01	-.01	0	0
65	TIEBACK BETA	PX	-.002	-.002	0	0
66	SUPP BETA	PX	-.007	-.007	0	0
67	SR4 BETA	PX	-.000487	-.000487	0	0
68	SR3 BETA	PX	-.000487	-.000487	0	0
69	SR2 BETA	PX	-.000487	-.000487	0	0
70	SR1 BETA	PX	-.000487	-.000487	0	0
71	SO2 BETA	PX	-.004	-.004	0	0
72	SO1 BETA	PX	-.004	-.004	0	0
73	SO VERT1 BETA	PX	-.002	-.002	0	0
74	SO PLATE4 BETA	PX	-.009	-.009	0	0
75	SO PLATE3 BETA	PX	-.009	-.009	0	0
76	SO PLATE2 BETA	PX	-.009	-.009	0	0
77	SO PLATE1 BETA	PX	-.009	-.009	0	0
78	MP BETA1	PX	-.006	-.006	0	0
79	CONNECTION2 BETA	PX	-.01	-.01	0	0
80	CONNECTION1 BETA	PX	-.01	-.01	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	-.002	-.002	0	0
2	SUPP ALPHA	PX	-.007	-.007	0	0
3	SR4 ALPHA	PX	-.000477	-.000477	0	0
4	SR3 ALPHA	PX	-.000477	-.000477	0	0
5	SR2 ALPHA	PX	-.000477	-.000477	0	0
6	SR1 ALPHA	PX	-.000477	-.000477	0	0
7	SO2 ALPHA	PX	-.01	-.01	0	0
8	SO1 ALPHA	PX	-.01	-.01	0	0
9	SO VERT1 ALPHA	PX	-.005	-.005	0	0
10	SO PLATE4 ALPHA	PX	-.01	-.01	0	0
11	SO PLATE3 ALPHA	PX	-.01	-.01	0	0
12	SO PLATE2 ALPHA	PX	-.01	-.01	0	0
13	SO PLATE1 ALPHA	PX	-.01	-.01	0	0
14	MP ALPHA1	PX	-.007	-.007	0	0
15	CONNECTION2 ALPHA	PX	-.012	-.012	0	0
16	CONNECTION1 ALPHA	PX	-.012	-.012	0	0
17	TIEBACK BETA	PZ	-.002	-.002	0	0
18	SUPP BETA	PZ	-.007	-.007	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
19	SR4 BETA	PZ	-.000487	-.000487	0	0
20	SR3 BETA	PZ	-.000487	-.000487	0	0
21	SR2 BETA	PZ	-.000487	-.000487	0	0
22	SR1 BETA	PZ	-.000487	-.000487	0	0
23	SO2 BETA	PZ	-.004	-.004	0	0
24	SO1 BETA	PZ	-.004	-.004	0	0
25	SO VERT1 BETA	PZ	-.002	-.002	0	0
26	SO PLATE4 BETA	PZ	-.009	-.009	0	0
27	SO PLATE3 BETA	PZ	-.009	-.009	0	0
28	SO PLATE2 BETA	PZ	-.009	-.009	0	0
29	SO PLATE1 BETA	PZ	-.009	-.009	0	0
30	MP BETA1	PZ	-.006	-.006	0	0
31	CONNECTION2 BETA	PZ	-.01	-.01	0	0
32	CONNECTION1 BETA	PZ	-.01	-.01	0	0
33	TIEBACK GAMMA	PZ	.002	.002	0	0
34	SUPP GAMMA	PZ	.007	.007	0	0
35	SR4 GAMMA	PZ	.000487	.000487	0	0
36	SR3 GAMMA	PZ	.000487	.000487	0	0
37	SR2 GAMMA	PZ	.000487	.000487	0	0
38	SR1 GAMMA	PZ	.000487	.000487	0	0
39	SO2 GAMMA	PZ	.004	.004	0	0
40	SO1 GAMMA	PZ	.004	.004	0	0
41	SO VERT1 GAMMA	PZ	.002	.002	0	0
42	SO PLATE4 GAMMA	PZ	.009	.009	0	0
43	SO PLATE3 GAMMA	PZ	.009	.009	0	0
44	SO PLATE2 GAMMA	PZ	.009	.009	0	0
45	SO PLATE1 GAMMA	PZ	.009	.009	0	0
46	MP GAMMA1	PZ	.006	.006	0	0
47	CONNECTION2 GAMMA	PZ	.01	.01	0	0
48	CONNECTION1 GAMMA	PZ	.01	.01	0	0
49	TIEBACK BETA	PX	-.001	-.001	0	0
50	SUPP BETA	PX	-.004	-.004	0	0
51	SR4 BETA	PX	-.000281	-.000281	0	0
52	SR3 BETA	PX	-.000281	-.000281	0	0
53	SR2 BETA	PX	-.000281	-.000281	0	0
54	SR1 BETA	PX	-.000281	-.000281	0	0
55	SO2 BETA	PX	-.002	-.002	0	0
56	SO1 BETA	PX	-.002	-.002	0	0
57	SO VERT1 BETA	PX	-.001	-.001	0	0
58	SO PLATE4 BETA	PX	-.005	-.005	0	0
59	SO PLATE3 BETA	PX	-.005	-.005	0	0
60	SO PLATE2 BETA	PX	-.005	-.005	0	0
61	SO PLATE1 BETA	PX	-.005	-.005	0	0
62	MP BETA1	PX	-.004	-.004	0	0
63	CONNECTION2 BETA	PX	-.006	-.006	0	0
64	CONNECTION1 BETA	PX	-.006	-.006	0	0
65	TIEBACK GAMMA	PX	-.001	-.001	0	0
66	SUPP GAMMA	PX	-.004	-.004	0	0
67	SR4 GAMMA	PX	-.000281	-.000281	0	0
68	SR3 GAMMA	PX	-.000281	-.000281	0	0
69	SR2 GAMMA	PX	-.000281	-.000281	0	0
70	SR1 GAMMA	PX	-.000281	-.000281	0	0
71	SO2 GAMMA	PX	-.002	-.002	0	0
72	SO1 GAMMA	PX	-.002	-.002	0	0
73	SO VERT1 GAMMA	PX	-.001	-.001	0	0
74	SO PLATE4 GAMMA	PX	-.005	-.005	0	0
75	SO PLATE3 GAMMA	PX	-.005	-.005	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
76	SO PLATE2 GAMMA	PX	-.005	-.005	0	0
77	SO PLATE1 GAMMA	PX	-.005	-.005	0	0
78	MP GAMMA1	PX	-.004	-.004	0	0
79	CONNECTION2 GAMMA	PX	-.006	-.006	0	0
80	CONNECTION1 GAMMA	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.001	-.001	0	0
2	SUPP ALPHA	PZ	-.004	-.004	0	0
3	SR4 ALPHA	PZ	-.000281	-.000281	0	0
4	SR3 ALPHA	PZ	-.000281	-.000281	0	0
5	SR2 ALPHA	PZ	-.000281	-.000281	0	0
6	SR1 ALPHA	PZ	-.000281	-.000281	0	0
7	SO2 ALPHA	PZ	-.002	-.002	0	0
8	SO1 ALPHA	PZ	-.002	-.002	0	0
9	SO VERT1 ALPHA	PZ	-.001	-.001	0	0
10	SO PLATE4 ALPHA	PZ	-.005	-.005	0	0
11	SO PLATE3 ALPHA	PZ	-.005	-.005	0	0
12	SO PLATE2 ALPHA	PZ	-.005	-.005	0	0
13	SO PLATE1 ALPHA	PZ	-.005	-.005	0	0
14	MP ALPHA1	PZ	-.004	-.004	0	0
15	CONNECTION2 ALPHA	PZ	-.006	-.006	0	0
16	CONNECTION1 ALPHA	PZ	-.006	-.006	0	0
17	TIEBACK BETA	PZ	-.003	-.003	0	0
18	SUPP BETA	PZ	-.008	-.008	0	0
19	SR4 BETA	PZ	-.000563	-.000563	0	0
20	SR3 BETA	PZ	-.000563	-.000563	0	0
21	SR2 BETA	PZ	-.000563	-.000563	0	0
22	SR1 BETA	PZ	-.000563	-.000563	0	0
23	SO2 BETA	PZ	-.005	-.005	0	0
24	SO1 BETA	PZ	-.005	-.005	0	0
25	SO VERT1 BETA	PZ	-.003	-.003	0	0
26	SO PLATE4 BETA	PZ	-.01	-.01	0	0
27	SO PLATE3 BETA	PZ	-.01	-.01	0	0
28	SO PLATE2 BETA	PZ	-.01	-.01	0	0
29	SO PLATE1 BETA	PZ	-.01	-.01	0	0
30	MP BETA1	PZ	-.007	-.007	0	0
31	CONNECTION2 BETA	PZ	-.012	-.012	0	0
32	CONNECTION1 BETA	PZ	-.012	-.012	0	0
33	TIEBACK GAMMA	PZ	-.001	-.001	0	0
34	SUPP GAMMA	PZ	-.004	-.004	0	0
35	SR4 GAMMA	PZ	-.000281	-.000281	0	0
36	SR3 GAMMA	PZ	-.000281	-.000281	0	0
37	SR2 GAMMA	PZ	-.000281	-.000281	0	0
38	SR1 GAMMA	PZ	-.000281	-.000281	0	0
39	SO2 GAMMA	PZ	-.002	-.002	0	0
40	SO1 GAMMA	PZ	-.002	-.002	0	0
41	SO VERT1 GAMMA	PZ	-.001	-.001	0	0
42	SO PLATE4 GAMMA	PZ	-.005	-.005	0	0
43	SO PLATE3 GAMMA	PZ	-.005	-.005	0	0
44	SO PLATE2 GAMMA	PZ	-.005	-.005	0	0
45	SO PLATE1 GAMMA	PZ	-.005	-.005	0	0
46	MP GAMMA1	PZ	-.004	-.004	0	0
47	CONNECTION2 GAMMA	PZ	-.006	-.006	0	0
48	CONNECTION1 GAMMA	PZ	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
49	TIEBACK ALPHA	PX	-.002	-.002	0	0
50	SUPP ALPHA	PX	-.007	-.007	0	0
51	SR4 ALPHA	PX	-.000487	-.000487	0	0
52	SR3 ALPHA	PX	-.000487	-.000487	0	0
53	SR2 ALPHA	PX	-.000487	-.000487	0	0
54	SR1 ALPHA	PX	-.000487	-.000487	0	0
55	SO2 ALPHA	PX	-.004	-.004	0	0
56	SO1 ALPHA	PX	-.004	-.004	0	0
57	SO VERT1 ALPHA	PX	-.002	-.002	0	0
58	SO PLATE4 ALPHA	PX	-.009	-.009	0	0
59	SO PLATE3 ALPHA	PX	-.009	-.009	0	0
60	SO PLATE2 ALPHA	PX	-.009	-.009	0	0
61	SO PLATE1 ALPHA	PX	-.009	-.009	0	0
62	MP ALPHA1	PX	-.006	-.006	0	0
63	CONNECTION2 ALPHA	PX	-.01	-.01	0	0
64	CONNECTION1 ALPHA	PX	-.01	-.01	0	0
65	TIEBACK GAMMA	PX	-.002	-.002	0	0
66	SUPP GAMMA	PX	-.007	-.007	0	0
67	SR4 GAMMA	PX	-.000487	-.000487	0	0
68	SR3 GAMMA	PX	-.000487	-.000487	0	0
69	SR2 GAMMA	PX	-.000487	-.000487	0	0
70	SR1 GAMMA	PX	-.000487	-.000487	0	0
71	SO2 GAMMA	PX	-.004	-.004	0	0
72	SO1 GAMMA	PX	-.004	-.004	0	0
73	SO VERT1 GAMMA	PX	-.002	-.002	0	0
74	SO PLATE4 GAMMA	PX	-.009	-.009	0	0
75	SO PLATE3 GAMMA	PX	-.009	-.009	0	0
76	SO PLATE2 GAMMA	PX	-.009	-.009	0	0
77	SO PLATE1 GAMMA	PX	-.009	-.009	0	0
78	MP GAMMA1	PX	-.006	-.006	0	0
79	CONNECTION2 GAMMA	PX	-.01	-.01	0	0
80	CONNECTION1 GAMMA	PX	-.01	-.01	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.002	-.002	0	0
2	SUPP ALPHA	PZ	-.007	-.007	0	0
3	SR4 ALPHA	PZ	-.000487	-.000487	0	0
4	SR3 ALPHA	PZ	-.000487	-.000487	0	0
5	SR2 ALPHA	PZ	-.000487	-.000487	0	0
6	SR1 ALPHA	PZ	-.000487	-.000487	0	0
7	SO2 ALPHA	PZ	-.004	-.004	0	0
8	SO1 ALPHA	PZ	-.004	-.004	0	0
9	SO VERT1 ALPHA	PZ	-.002	-.002	0	0
10	SO PLATE4 ALPHA	PZ	-.009	-.009	0	0
11	SO PLATE3 ALPHA	PZ	-.009	-.009	0	0
12	SO PLATE2 ALPHA	PZ	-.009	-.009	0	0
13	SO PLATE1 ALPHA	PZ	-.009	-.009	0	0
14	MP ALPHA1	PZ	-.006	-.006	0	0
15	CONNECTION2 ALPHA	PZ	-.01	-.01	0	0
16	CONNECTION1 ALPHA	PZ	-.01	-.01	0	0
17	TIEBACK BETA	PZ	-.002	-.002	0	0
18	SUPP BETA	PZ	-.007	-.007	0	0
19	SR4 BETA	PZ	-.000487	-.000487	0	0
20	SR3 BETA	PZ	-.000487	-.000487	0	0
21	SR2 BETA	PZ	-.000487	-.000487	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
22	SR1 BETA	PZ	-.000487	-.000487	0	0
23	SO2 BETA	PZ	-.004	-.004	0	0
24	SO1 BETA	PZ	-.004	-.004	0	0
25	SO VERT1 BETA	PZ	-.002	-.002	0	0
26	SO PLATE4 BETA	PZ	-.009	-.009	0	0
27	SO PLATE3 BETA	PZ	-.009	-.009	0	0
28	SO PLATE2 BETA	PZ	-.009	-.009	0	0
29	SO PLATE1 BETA	PZ	-.009	-.009	0	0
30	MP BETA1	PZ	-.006	-.006	0	0
31	CONNECTION2 BETA	PZ	-.01	-.01	0	0
32	CONNECTION1 BETA	PZ	-.01	-.01	0	0
33	TIEBACK GAMMA	PX	-.002	-.002	0	0
34	SUPP GAMMA	PX	-.007	-.007	0	0
35	SR4 GAMMA	PX	-.000477	-.000477	0	0
36	SR3 GAMMA	PX	-.000477	-.000477	0	0
37	SR2 GAMMA	PX	-.000477	-.000477	0	0
38	SR1 GAMMA	PX	-.000477	-.000477	0	0
39	SO2 GAMMA	PX	-.01	-.01	0	0
40	SO1 GAMMA	PX	-.01	-.01	0	0
41	SO VERT1 GAMMA	PX	-.005	-.005	0	0
42	SO PLATE4 GAMMA	PX	-.01	-.01	0	0
43	SO PLATE3 GAMMA	PX	-.01	-.01	0	0
44	SO PLATE2 GAMMA	PX	-.01	-.01	0	0
45	SO PLATE1 GAMMA	PX	-.01	-.01	0	0
46	MP GAMMA1	PX	-.007	-.007	0	0
47	CONNECTION2 GAMMA	PX	-.012	-.012	0	0
48	CONNECTION1 GAMMA	PX	-.012	-.012	0	0
49	TIEBACK ALPHA	PX	-.001	-.001	0	0
50	SUPP ALPHA	PX	-.004	-.004	0	0
51	SR4 ALPHA	PX	-.000281	-.000281	0	0
52	SR3 ALPHA	PX	-.000281	-.000281	0	0
53	SR2 ALPHA	PX	-.000281	-.000281	0	0
54	SR1 ALPHA	PX	-.000281	-.000281	0	0
55	SO2 ALPHA	PX	-.002	-.002	0	0
56	SO1 ALPHA	PX	-.002	-.002	0	0
57	SO VERT1 ALPHA	PX	-.001	-.001	0	0
58	SO PLATE4 ALPHA	PX	-.005	-.005	0	0
59	SO PLATE3 ALPHA	PX	-.005	-.005	0	0
60	SO PLATE2 ALPHA	PX	-.005	-.005	0	0
61	SO PLATE1 ALPHA	PX	-.005	-.005	0	0
62	MP ALPHA1	PX	-.004	-.004	0	0
63	CONNECTION2 ALPHA	PX	-.006	-.006	0	0
64	CONNECTION1 ALPHA	PX	-.006	-.006	0	0
65	TIEBACK BETA	PX	-.001	-.001	0	0
66	SUPP BETA	PX	-.004	-.004	0	0
67	SR4 BETA	PX	-.000281	-.000281	0	0
68	SR3 BETA	PX	-.000281	-.000281	0	0
69	SR2 BETA	PX	-.000281	-.000281	0	0
70	SR1 BETA	PX	-.000281	-.000281	0	0
71	SO2 BETA	PX	-.002	-.002	0	0
72	SO1 BETA	PX	-.002	-.002	0	0
73	SO VERT1 BETA	PX	-.001	-.001	0	0
74	SO PLATE4 BETA	PX	-.005	-.005	0	0
75	SO PLATE3 BETA	PX	-.005	-.005	0	0
76	SO PLATE2 BETA	PX	-.005	-.005	0	0
77	SO PLATE1 BETA	PX	-.005	-.005	0	0
78	MP BETA1	PX	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
79	CONNECTION2 BETA	PX	-.006	-.006	0	0
80	CONNECTION1 BETA	PX	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.003	-.003	0	0
2	SUPP ALPHA	PZ	-.008	-.008	0	0
3	SR4 ALPHA	PZ	-.000563	-.000563	0	0
4	SR3 ALPHA	PZ	-.000563	-.000563	0	0
5	SR2 ALPHA	PZ	-.000563	-.000563	0	0
6	SR1 ALPHA	PZ	-.000563	-.000563	0	0
7	SO2 ALPHA	PZ	-.005	-.005	0	0
8	SO1 ALPHA	PZ	-.005	-.005	0	0
9	SO VERT1 ALPHA	PZ	-.003	-.003	0	0
10	SO PLATE4 ALPHA	PZ	-.01	-.01	0	0
11	SO PLATE3 ALPHA	PZ	-.01	-.01	0	0
12	SO PLATE2 ALPHA	PZ	-.01	-.01	0	0
13	SO PLATE1 ALPHA	PZ	-.01	-.01	0	0
14	MP ALPHA1	PZ	-.007	-.007	0	0
15	CONNECTION2 ALPHA	PZ	-.012	-.012	0	0
16	CONNECTION1 ALPHA	PZ	-.012	-.012	0	0
17	TIEBACK BETA	PZ	-.001	-.001	0	0
18	SUPP BETA	PZ	-.004	-.004	0	0
19	SR4 BETA	PZ	-.000281	-.000281	0	0
20	SR3 BETA	PZ	-.000281	-.000281	0	0
21	SR2 BETA	PZ	-.000281	-.000281	0	0
22	SR1 BETA	PZ	-.000281	-.000281	0	0
23	SO2 BETA	PZ	-.002	-.002	0	0
24	SO1 BETA	PZ	-.002	-.002	0	0
25	SO VERT1 BETA	PZ	-.001	-.001	0	0
26	SO PLATE4 BETA	PZ	-.005	-.005	0	0
27	SO PLATE3 BETA	PZ	-.005	-.005	0	0
28	SO PLATE2 BETA	PZ	-.005	-.005	0	0
29	SO PLATE1 BETA	PZ	-.005	-.005	0	0
30	MP BETA1	PZ	-.004	-.004	0	0
31	CONNECTION2 BETA	PZ	-.006	-.006	0	0
32	CONNECTION1 BETA	PZ	-.006	-.006	0	0
33	TIEBACK GAMMA	PZ	-.001	-.001	0	0
34	SUPP GAMMA	PZ	-.004	-.004	0	0
35	SR4 GAMMA	PZ	-.000281	-.000281	0	0
36	SR3 GAMMA	PZ	-.000281	-.000281	0	0
37	SR2 GAMMA	PZ	-.000281	-.000281	0	0
38	SR1 GAMMA	PZ	-.000281	-.000281	0	0
39	SO2 GAMMA	PZ	-.002	-.002	0	0
40	SO1 GAMMA	PZ	-.002	-.002	0	0
41	SO VERT1 GAMMA	PZ	-.001	-.001	0	0
42	SO PLATE4 GAMMA	PZ	-.005	-.005	0	0
43	SO PLATE3 GAMMA	PZ	-.005	-.005	0	0
44	SO PLATE2 GAMMA	PZ	-.005	-.005	0	0
45	SO PLATE1 GAMMA	PZ	-.005	-.005	0	0
46	MP GAMMA1	PZ	-.004	-.004	0	0
47	CONNECTION2 GAMMA	PZ	-.006	-.006	0	0
48	CONNECTION1 GAMMA	PZ	-.006	-.006	0	0
49	TIEBACK BETA	PX	-.002	-.002	0	0
50	SUPP BETA	PX	-.007	-.007	0	0
51	SR4 BETA	PX	-.000487	-.000487	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
52	SR3 BETA	PX	-.000487	-.000487	0	0
53	SR2 BETA	PX	-.000487	-.000487	0	0
54	SR1 BETA	PX	-.000487	-.000487	0	0
55	SO2 BETA	PX	-.004	-.004	0	0
56	SO1 BETA	PX	-.004	-.004	0	0
57	SO VERT1 BETA	PX	-.002	-.002	0	0
58	SO PLATE4 BETA	PX	-.009	-.009	0	0
59	SO PLATE3 BETA	PX	-.009	-.009	0	0
60	SO PLATE2 BETA	PX	-.009	-.009	0	0
61	SO PLATE1 BETA	PX	-.009	-.009	0	0
62	MP BETA1	PX	-.006	-.006	0	0
63	CONNECTION2 BETA	PX	-.01	-.01	0	0
64	CONNECTION1 BETA	PX	-.01	-.01	0	0
65	TIEBACK GAMMA	PX	.002	.002	0	0
66	SUPP GAMMA	PX	.007	.007	0	0
67	SR4 GAMMA	PX	.000487	.000487	0	0
68	SR3 GAMMA	PX	.000487	.000487	0	0
69	SR2 GAMMA	PX	.000487	.000487	0	0
70	SR1 GAMMA	PX	.000487	.000487	0	0
71	SO2 GAMMA	PX	.004	.004	0	0
72	SO1 GAMMA	PX	.004	.004	0	0
73	SO VERT1 GAMMA	PX	.002	.002	0	0
74	SO PLATE4 GAMMA	PX	.009	.009	0	0
75	SO PLATE3 GAMMA	PX	.009	.009	0	0
76	SO PLATE2 GAMMA	PX	.009	.009	0	0
77	SO PLATE1 GAMMA	PX	.009	.009	0	0
78	MP GAMMA1	PX	.006	.006	0	0
79	CONNECTION2 GAMMA	PX	.01	.01	0	0
80	CONNECTION1 GAMMA	PX	.01	.01	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.002	-.002	0	0
2	SUPP ALPHA	PZ	-.007	-.007	0	0
3	SR4 ALPHA	PZ	-.000487	-.000487	0	0
4	SR3 ALPHA	PZ	-.000487	-.000487	0	0
5	SR2 ALPHA	PZ	-.000487	-.000487	0	0
6	SR1 ALPHA	PZ	-.000487	-.000487	0	0
7	SO2 ALPHA	PZ	-.004	-.004	0	0
8	SO1 ALPHA	PZ	-.004	-.004	0	0
9	SO VERT1 ALPHA	PZ	-.002	-.002	0	0
10	SO PLATE4 ALPHA	PZ	-.009	-.009	0	0
11	SO PLATE3 ALPHA	PZ	-.009	-.009	0	0
12	SO PLATE2 ALPHA	PZ	-.009	-.009	0	0
13	SO PLATE1 ALPHA	PZ	-.009	-.009	0	0
14	MP ALPHA1	PZ	-.006	-.006	0	0
15	CONNECTION2 ALPHA	PZ	-.01	-.01	0	0
16	CONNECTION1 ALPHA	PZ	-.01	-.01	0	0
17	TIEBACK BETA	PX	.002	.002	0	0
18	SUPP BETA	PX	.007	.007	0	0
19	SR4 BETA	PX	.000477	.000477	0	0
20	SR3 BETA	PX	.000477	.000477	0	0
21	SR2 BETA	PX	.000477	.000477	0	0
22	SR1 BETA	PX	.000477	.000477	0	0
23	SO2 BETA	PX	.01	.01	0	0
24	SO1 BETA	PX	.01	.01	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
25	SO VERT1 BETA	PX	.005	.005	0	0
26	SO PLATE4 BETA	PX	.01	.01	0	0
27	SO PLATE3 BETA	PX	.01	.01	0	0
28	SO PLATE2 BETA	PX	.01	.01	0	0
29	SO PLATE1 BETA	PX	.01	.01	0	0
30	MP BETA1	PX	.007	.007	0	0
31	CONNECTION2 BETA	PX	.012	.012	0	0
32	CONNECTION1 BETA	PX	.012	.012	0	0
33	TIEBACK GAMMA	PZ	-.002	-.002	0	0
34	SUPP GAMMA	PZ	-.007	-.007	0	0
35	SR4 GAMMA	PZ	-.000487	-.000487	0	0
36	SR3 GAMMA	PZ	-.000487	-.000487	0	0
37	SR2 GAMMA	PZ	-.000487	-.000487	0	0
38	SR1 GAMMA	PZ	-.000487	-.000487	0	0
39	SO2 GAMMA	PZ	-.004	-.004	0	0
40	SO1 GAMMA	PZ	-.004	-.004	0	0
41	SO VERT1 GAMMA	PZ	-.002	-.002	0	0
42	SO PLATE4 GAMMA	PZ	-.009	-.009	0	0
43	SO PLATE3 GAMMA	PZ	-.009	-.009	0	0
44	SO PLATE2 GAMMA	PZ	-.009	-.009	0	0
45	SO PLATE1 GAMMA	PZ	-.009	-.009	0	0
46	MP GAMMA1	PZ	-.006	-.006	0	0
47	CONNECTION2 GAMMA	PZ	-.01	-.01	0	0
48	CONNECTION1 GAMMA	PZ	-.01	-.01	0	0
49	TIEBACK ALPHA	PX	.001	.001	0	0
50	SUPP ALPHA	PX	.004	.004	0	0
51	SR4 ALPHA	PX	.000281	.000281	0	0
52	SR3 ALPHA	PX	.000281	.000281	0	0
53	SR2 ALPHA	PX	.000281	.000281	0	0
54	SR1 ALPHA	PX	.000281	.000281	0	0
55	SO2 ALPHA	PX	.002	.002	0	0
56	SO1 ALPHA	PX	.002	.002	0	0
57	SO VERT1 ALPHA	PX	.001	.001	0	0
58	SO PLATE4 ALPHA	PX	.005	.005	0	0
59	SO PLATE3 ALPHA	PX	.005	.005	0	0
60	SO PLATE2 ALPHA	PX	.005	.005	0	0
61	SO PLATE1 ALPHA	PX	.005	.005	0	0
62	MP ALPHA1	PX	.004	.004	0	0
63	CONNECTION2 ALPHA	PX	.006	.006	0	0
64	CONNECTION1 ALPHA	PX	.006	.006	0	0
65	TIEBACK GAMMA	PX	.001	.001	0	0
66	SUPP GAMMA	PX	.004	.004	0	0
67	SR4 GAMMA	PX	.000281	.000281	0	0
68	SR3 GAMMA	PX	.000281	.000281	0	0
69	SR2 GAMMA	PX	.000281	.000281	0	0
70	SR1 GAMMA	PX	.000281	.000281	0	0
71	SO2 GAMMA	PX	.002	.002	0	0
72	SO1 GAMMA	PX	.002	.002	0	0
73	SO VERT1 GAMMA	PX	.001	.001	0	0
74	SO PLATE4 GAMMA	PX	.005	.005	0	0
75	SO PLATE3 GAMMA	PX	.005	.005	0	0
76	SO PLATE2 GAMMA	PX	.005	.005	0	0
77	SO PLATE1 GAMMA	PX	.005	.005	0	0
78	MP GAMMA1	PX	.004	.004	0	0
79	CONNECTION2 GAMMA	PX	.006	.006	0	0
80	CONNECTION1 GAMMA	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.001	-.001	0	0
2	SUPP ALPHA	PZ	-.004	-.004	0	0
3	SR4 ALPHA	PZ	-.000281	-.000281	0	0
4	SR3 ALPHA	PZ	-.000281	-.000281	0	0
5	SR2 ALPHA	PZ	-.000281	-.000281	0	0
6	SR1 ALPHA	PZ	-.000281	-.000281	0	0
7	SO2 ALPHA	PZ	-.002	-.002	0	0
8	SO1 ALPHA	PZ	-.002	-.002	0	0
9	SO VERT1 ALPHA	PZ	-.001	-.001	0	0
10	SO PLATE4 ALPHA	PZ	-.005	-.005	0	0
11	SO PLATE3 ALPHA	PZ	-.005	-.005	0	0
12	SO PLATE2 ALPHA	PZ	-.005	-.005	0	0
13	SO PLATE1 ALPHA	PZ	-.005	-.005	0	0
14	MP ALPHA1	PZ	-.004	-.004	0	0
15	CONNECTION2 ALPHA	PZ	-.006	-.006	0	0
16	CONNECTION1 ALPHA	PZ	-.006	-.006	0	0
17	TIEBACK BETA	PZ	-.001	-.001	0	0
18	SUPP BETA	PZ	-.004	-.004	0	0
19	SR4 BETA	PZ	-.000281	-.000281	0	0
20	SR3 BETA	PZ	-.000281	-.000281	0	0
21	SR2 BETA	PZ	-.000281	-.000281	0	0
22	SR1 BETA	PZ	-.000281	-.000281	0	0
23	SO2 BETA	PZ	-.002	-.002	0	0
24	SO1 BETA	PZ	-.002	-.002	0	0
25	SO VERT1 BETA	PZ	-.001	-.001	0	0
26	SO PLATE4 BETA	PZ	-.005	-.005	0	0
27	SO PLATE3 BETA	PZ	-.005	-.005	0	0
28	SO PLATE2 BETA	PZ	-.005	-.005	0	0
29	SO PLATE1 BETA	PZ	-.005	-.005	0	0
30	MP BETA1	PZ	-.004	-.004	0	0
31	CONNECTION2 BETA	PZ	-.006	-.006	0	0
32	CONNECTION1 BETA	PZ	-.006	-.006	0	0
33	TIEBACK GAMMA	PZ	-.003	-.003	0	0
34	SUPP GAMMA	PZ	-.008	-.008	0	0
35	SR4 GAMMA	PZ	-.000563	-.000563	0	0
36	SR3 GAMMA	PZ	-.000563	-.000563	0	0
37	SR2 GAMMA	PZ	-.000563	-.000563	0	0
38	SR1 GAMMA	PZ	-.000563	-.000563	0	0
39	SO2 GAMMA	PZ	-.005	-.005	0	0
40	SO1 GAMMA	PZ	-.005	-.005	0	0
41	SO VERT1 GAMMA	PZ	-.003	-.003	0	0
42	SO PLATE4 GAMMA	PZ	-.01	-.01	0	0
43	SO PLATE3 GAMMA	PZ	-.01	-.01	0	0
44	SO PLATE2 GAMMA	PZ	-.01	-.01	0	0
45	SO PLATE1 GAMMA	PZ	-.01	-.01	0	0
46	MP GAMMA1	PZ	-.007	-.007	0	0
47	CONNECTION2 GAMMA	PZ	-.012	-.012	0	0
48	CONNECTION1 GAMMA	PZ	-.012	-.012	0	0
49	TIEBACK ALPHA	PX	.002	.002	0	0
50	SUPP ALPHA	PX	.007	.007	0	0
51	SR4 ALPHA	PX	.000487	.000487	0	0
52	SR3 ALPHA	PX	.000487	.000487	0	0
53	SR2 ALPHA	PX	.000487	.000487	0	0
54	SR1 ALPHA	PX	.000487	.000487	0	0
55	SO2 ALPHA	PX	.004	.004	0	0
56	SO1 ALPHA	PX	.004	.004	0	0
57	SO VERT1 ALPHA	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
58	SO PLATE4 ALPHA	PX	.009	.009	0	0
59	SO PLATE3 ALPHA	PX	.009	.009	0	0
60	SO PLATE2 ALPHA	PX	.009	.009	0	0
61	SO PLATE1 ALPHA	PX	.009	.009	0	0
62	MP ALPHA1	PX	.006	.006	0	0
63	CONNECTION2 ALPHA	PX	.01	.01	0	0
64	CONNECTION1 ALPHA	PX	.01	.01	0	0
65	TIEBACK BETA	PX	.002	.002	0	0
66	SUPP BETA	PX	.007	.007	0	0
67	SR4 BETA	PX	.000487	.000487	0	0
68	SR3 BETA	PX	.000487	.000487	0	0
69	SR2 BETA	PX	.000487	.000487	0	0
70	SR1 BETA	PX	.000487	.000487	0	0
71	SO2 BETA	PX	.004	.004	0	0
72	SO1 BETA	PX	.004	.004	0	0
73	SO VERT1 BETA	PX	.002	.002	0	0
74	SO PLATE4 BETA	PX	.009	.009	0	0
75	SO PLATE3 BETA	PX	.009	.009	0	0
76	SO PLATE2 BETA	PX	.009	.009	0	0
77	SO PLATE1 BETA	PX	.009	.009	0	0
78	MP BETA1	PX	.006	.006	0	0
79	CONNECTION2 BETA	PX	.01	.01	0	0
80	CONNECTION1 BETA	PX	.01	.01	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	.002	.002	0	0
2	SUPP ALPHA	PX	.007	.007	0	0
3	SR4 ALPHA	PX	.000477	.000477	0	0
4	SR3 ALPHA	PX	.000477	.000477	0	0
5	SR2 ALPHA	PX	.000477	.000477	0	0
6	SR1 ALPHA	PX	.000477	.000477	0	0
7	SO2 ALPHA	PX	.01	.01	0	0
8	SO1 ALPHA	PX	.01	.01	0	0
9	SO VERT1 ALPHA	PX	.005	.005	0	0
10	SO PLATE4 ALPHA	PX	.01	.01	0	0
11	SO PLATE3 ALPHA	PX	.01	.01	0	0
12	SO PLATE2 ALPHA	PX	.01	.01	0	0
13	SO PLATE1 ALPHA	PX	.01	.01	0	0
14	MP ALPHA1	PX	.007	.007	0	0
15	CONNECTION2 ALPHA	PX	.012	.012	0	0
16	CONNECTION1 ALPHA	PX	.012	.012	0	0
17	TIEBACK BETA	PZ	.002	.002	0	0
18	SUPP BETA	PZ	.007	.007	0	0
19	SR4 BETA	PZ	.000487	.000487	0	0
20	SR3 BETA	PZ	.000487	.000487	0	0
21	SR2 BETA	PZ	.000487	.000487	0	0
22	SR1 BETA	PZ	.000487	.000487	0	0
23	SO2 BETA	PZ	.004	.004	0	0
24	SO1 BETA	PZ	.004	.004	0	0
25	SO VERT1 BETA	PZ	.002	.002	0	0
26	SO PLATE4 BETA	PZ	.009	.009	0	0
27	SO PLATE3 BETA	PZ	.009	.009	0	0
28	SO PLATE2 BETA	PZ	.009	.009	0	0
29	SO PLATE1 BETA	PZ	.009	.009	0	0
30	MP BETA1	PZ	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
31	CONNECTION2 BETA	PZ	.01	.01	0	0
32	CONNECTION1 BETA	PZ	.01	.01	0	0
33	TIEBACK GAMMA	PZ	-.002	-.002	0	0
34	SUPP GAMMA	PZ	-.007	-.007	0	0
35	SR4 GAMMA	PZ	-.000487	-.000487	0	0
36	SR3 GAMMA	PZ	-.000487	-.000487	0	0
37	SR2 GAMMA	PZ	-.000487	-.000487	0	0
38	SR1 GAMMA	PZ	-.000487	-.000487	0	0
39	SO2 GAMMA	PZ	-.004	-.004	0	0
40	SO1 GAMMA	PZ	-.004	-.004	0	0
41	SO VERT1 GAMMA	PZ	-.002	-.002	0	0
42	SO PLATE4 GAMMA	PZ	-.009	-.009	0	0
43	SO PLATE3 GAMMA	PZ	-.009	-.009	0	0
44	SO PLATE2 GAMMA	PZ	-.009	-.009	0	0
45	SO PLATE1 GAMMA	PZ	-.009	-.009	0	0
46	MP GAMMA1	PZ	-.006	-.006	0	0
47	CONNECTION2 GAMMA	PZ	-.01	-.01	0	0
48	CONNECTION1 GAMMA	PZ	-.01	-.01	0	0
49	TIEBACK BETA	PX	.001	.001	0	0
50	SUPP BETA	PX	.004	.004	0	0
51	SR4 BETA	PX	.000281	.000281	0	0
52	SR3 BETA	PX	.000281	.000281	0	0
53	SR2 BETA	PX	.000281	.000281	0	0
54	SR1 BETA	PX	.000281	.000281	0	0
55	SO2 BETA	PX	.002	.002	0	0
56	SO1 BETA	PX	.002	.002	0	0
57	SO VERT1 BETA	PX	.001	.001	0	0
58	SO PLATE4 BETA	PX	.005	.005	0	0
59	SO PLATE3 BETA	PX	.005	.005	0	0
60	SO PLATE2 BETA	PX	.005	.005	0	0
61	SO PLATE1 BETA	PX	.005	.005	0	0
62	MP BETA1	PX	.004	.004	0	0
63	CONNECTION2 BETA	PX	.006	.006	0	0
64	CONNECTION1 BETA	PX	.006	.006	0	0
65	TIEBACK GAMMA	PX	.001	.001	0	0
66	SUPP GAMMA	PX	.004	.004	0	0
67	SR4 GAMMA	PX	.000281	.000281	0	0
68	SR3 GAMMA	PX	.000281	.000281	0	0
69	SR2 GAMMA	PX	.000281	.000281	0	0
70	SR1 GAMMA	PX	.000281	.000281	0	0
71	SO2 GAMMA	PX	.002	.002	0	0
72	SO1 GAMMA	PX	.002	.002	0	0
73	SO VERT1 GAMMA	PX	.001	.001	0	0
74	SO PLATE4 GAMMA	PX	.005	.005	0	0
75	SO PLATE3 GAMMA	PX	.005	.005	0	0
76	SO PLATE2 GAMMA	PX	.005	.005	0	0
77	SO PLATE1 GAMMA	PX	.005	.005	0	0
78	MP GAMMA1	PX	.004	.004	0	0
79	CONNECTION2 GAMMA	PX	.006	.006	0	0
80	CONNECTION1 GAMMA	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.001	.001	0	0
2	SUPP ALPHA	PZ	.004	.004	0	0
3	SR4 ALPHA	PZ	.000281	.000281	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
4	SR3 ALPHA	PZ	.000281	.000281	0	0
5	SR2 ALPHA	PZ	.000281	.000281	0	0
6	SR1 ALPHA	PZ	.000281	.000281	0	0
7	SO2 ALPHA	PZ	.002	.002	0	0
8	SO1 ALPHA	PZ	.002	.002	0	0
9	SO VERT1 ALPHA	PZ	.001	.001	0	0
10	SO PLATE4 ALPHA	PZ	.005	.005	0	0
11	SO PLATE3 ALPHA	PZ	.005	.005	0	0
12	SO PLATE2 ALPHA	PZ	.005	.005	0	0
13	SO PLATE1 ALPHA	PZ	.005	.005	0	0
14	MP ALPHA1	PZ	.004	.004	0	0
15	CONNECTION2 ALPHA	PZ	.006	.006	0	0
16	CONNECTION1 ALPHA	PZ	.006	.006	0	0
17	TIEBACK BETA	PZ	.003	.003	0	0
18	SUPP BETA	PZ	.008	.008	0	0
19	SR4 BETA	PZ	.000563	.000563	0	0
20	SR3 BETA	PZ	.000563	.000563	0	0
21	SR2 BETA	PZ	.000563	.000563	0	0
22	SR1 BETA	PZ	.000563	.000563	0	0
23	SO2 BETA	PZ	.005	.005	0	0
24	SO1 BETA	PZ	.005	.005	0	0
25	SO VERT1 BETA	PZ	.003	.003	0	0
26	SO PLATE4 BETA	PZ	.01	.01	0	0
27	SO PLATE3 BETA	PZ	.01	.01	0	0
28	SO PLATE2 BETA	PZ	.01	.01	0	0
29	SO PLATE1 BETA	PZ	.01	.01	0	0
30	MP BETA1	PZ	.007	.007	0	0
31	CONNECTION2 BETA	PZ	.012	.012	0	0
32	CONNECTION1 BETA	PZ	.012	.012	0	0
33	TIEBACK GAMMA	PZ	.001	.001	0	0
34	SUPP GAMMA	PZ	.004	.004	0	0
35	SR4 GAMMA	PZ	.000281	.000281	0	0
36	SR3 GAMMA	PZ	.000281	.000281	0	0
37	SR2 GAMMA	PZ	.000281	.000281	0	0
38	SR1 GAMMA	PZ	.000281	.000281	0	0
39	SO2 GAMMA	PZ	.002	.002	0	0
40	SO1 GAMMA	PZ	.002	.002	0	0
41	SO VERT1 GAMMA	PZ	.001	.001	0	0
42	SO PLATE4 GAMMA	PZ	.005	.005	0	0
43	SO PLATE3 GAMMA	PZ	.005	.005	0	0
44	SO PLATE2 GAMMA	PZ	.005	.005	0	0
45	SO PLATE1 GAMMA	PZ	.005	.005	0	0
46	MP GAMMA1	PZ	.004	.004	0	0
47	CONNECTION2 GAMMA	PZ	.006	.006	0	0
48	CONNECTION1 GAMMA	PZ	.006	.006	0	0
49	TIEBACK ALPHA	PX	.002	.002	0	0
50	SUPP ALPHA	PX	.007	.007	0	0
51	SR4 ALPHA	PX	.000487	.000487	0	0
52	SR3 ALPHA	PX	.000487	.000487	0	0
53	SR2 ALPHA	PX	.000487	.000487	0	0
54	SR1 ALPHA	PX	.000487	.000487	0	0
55	SO2 ALPHA	PX	.004	.004	0	0
56	SO1 ALPHA	PX	.004	.004	0	0
57	SO VERT1 ALPHA	PX	.002	.002	0	0
58	SO PLATE4 ALPHA	PX	.009	.009	0	0
59	SO PLATE3 ALPHA	PX	.009	.009	0	0
60	SO PLATE2 ALPHA	PX	.009	.009	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
61	SO PLATE1 ALPHA	PX	.009	.009	0	0
62	MP ALPHA1	PX	.006	.006	0	0
63	CONNECTION2 ALPHA	PX	.01	.01	0	0
64	CONNECTION1 ALPHA	PX	.01	.01	0	0
65	TIEBACK GAMMA	PX	.002	.002	0	0
66	SUPP GAMMA	PX	.007	.007	0	0
67	SR4 GAMMA	PX	.000487	.000487	0	0
68	SR3 GAMMA	PX	.000487	.000487	0	0
69	SR2 GAMMA	PX	.000487	.000487	0	0
70	SR1 GAMMA	PX	.000487	.000487	0	0
71	SO2 GAMMA	PX	.004	.004	0	0
72	SO1 GAMMA	PX	.004	.004	0	0
73	SO VERT1 GAMMA	PX	.002	.002	0	0
74	SO PLATE4 GAMMA	PX	.009	.009	0	0
75	SO PLATE3 GAMMA	PX	.009	.009	0	0
76	SO PLATE2 GAMMA	PX	.009	.009	0	0
77	SO PLATE1 GAMMA	PX	.009	.009	0	0
78	MP GAMMA1	PX	.006	.006	0	0
79	CONNECTION2 GAMMA	PX	.01	.01	0	0
80	CONNECTION1 GAMMA	PX	.01	.01	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.002	.002	0	0
2	SUPP ALPHA	PZ	.007	.007	0	0
3	SR4 ALPHA	PZ	.000487	.000487	0	0
4	SR3 ALPHA	PZ	.000487	.000487	0	0
5	SR2 ALPHA	PZ	.000487	.000487	0	0
6	SR1 ALPHA	PZ	.000487	.000487	0	0
7	SO2 ALPHA	PZ	.004	.004	0	0
8	SO1 ALPHA	PZ	.004	.004	0	0
9	SO VERT1 ALPHA	PZ	.002	.002	0	0
10	SO PLATE4 ALPHA	PZ	.009	.009	0	0
11	SO PLATE3 ALPHA	PZ	.009	.009	0	0
12	SO PLATE2 ALPHA	PZ	.009	.009	0	0
13	SO PLATE1 ALPHA	PZ	.009	.009	0	0
14	MP ALPHA1	PZ	.006	.006	0	0
15	CONNECTION2 ALPHA	PZ	.01	.01	0	0
16	CONNECTION1 ALPHA	PZ	.01	.01	0	0
17	TIEBACK BETA	PZ	.002	.002	0	0
18	SUPP BETA	PZ	.007	.007	0	0
19	SR4 BETA	PZ	.000487	.000487	0	0
20	SR3 BETA	PZ	.000487	.000487	0	0
21	SR2 BETA	PZ	.000487	.000487	0	0
22	SR1 BETA	PZ	.000487	.000487	0	0
23	SO2 BETA	PZ	.004	.004	0	0
24	SO1 BETA	PZ	.004	.004	0	0
25	SO VERT1 BETA	PZ	.002	.002	0	0
26	SO PLATE4 BETA	PZ	.009	.009	0	0
27	SO PLATE3 BETA	PZ	.009	.009	0	0
28	SO PLATE2 BETA	PZ	.009	.009	0	0
29	SO PLATE1 BETA	PZ	.009	.009	0	0
30	MP BETA1	PZ	.006	.006	0	0
31	CONNECTION2 BETA	PZ	.01	.01	0	0
32	CONNECTION1 BETA	PZ	.01	.01	0	0
33	TIEBACK GAMMA	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
34	SUPP GAMMA	PX	.007	.007	0	0
35	SR4 GAMMA	PX	.000477	.000477	0	0
36	SR3 GAMMA	PX	.000477	.000477	0	0
37	SR2 GAMMA	PX	.000477	.000477	0	0
38	SR1 GAMMA	PX	.000477	.000477	0	0
39	SO2 GAMMA	PX	.01	.01	0	0
40	SO1 GAMMA	PX	.01	.01	0	0
41	SO VERT1 GAMMA	PX	.005	.005	0	0
42	SO PLATE4 GAMMA	PX	.01	.01	0	0
43	SO PLATE3 GAMMA	PX	.01	.01	0	0
44	SO PLATE2 GAMMA	PX	.01	.01	0	0
45	SO PLATE1 GAMMA	PX	.01	.01	0	0
46	MP GAMMA1	PX	.007	.007	0	0
47	CONNECTION2 GAMMA	PX	.012	.012	0	0
48	CONNECTION1 GAMMA	PX	.012	.012	0	0
49	TIEBACK ALPHA	PX	.001	.001	0	0
50	SUPP ALPHA	PX	.004	.004	0	0
51	SR4 ALPHA	PX	.000281	.000281	0	0
52	SR3 ALPHA	PX	.000281	.000281	0	0
53	SR2 ALPHA	PX	.000281	.000281	0	0
54	SR1 ALPHA	PX	.000281	.000281	0	0
55	SO2 ALPHA	PX	.002	.002	0	0
56	SO1 ALPHA	PX	.002	.002	0	0
57	SO VERT1 ALPHA	PX	.001	.001	0	0
58	SO PLATE4 ALPHA	PX	.005	.005	0	0
59	SO PLATE3 ALPHA	PX	.005	.005	0	0
60	SO PLATE2 ALPHA	PX	.005	.005	0	0
61	SO PLATE1 ALPHA	PX	.005	.005	0	0
62	MP ALPHA1	PX	.004	.004	0	0
63	CONNECTION2 ALPHA	PX	.006	.006	0	0
64	CONNECTION1 ALPHA	PX	.006	.006	0	0
65	TIEBACK BETA	PX	.001	.001	0	0
66	SUPP BETA	PX	.004	.004	0	0
67	SR4 BETA	PX	.000281	.000281	0	0
68	SR3 BETA	PX	.000281	.000281	0	0
69	SR2 BETA	PX	.000281	.000281	0	0
70	SR1 BETA	PX	.000281	.000281	0	0
71	SO2 BETA	PX	.002	.002	0	0
72	SO1 BETA	PX	.002	.002	0	0
73	SO VERT1 BETA	PX	.001	.001	0	0
74	SO PLATE4 BETA	PX	.005	.005	0	0
75	SO PLATE3 BETA	PX	.005	.005	0	0
76	SO PLATE2 BETA	PX	.005	.005	0	0
77	SO PLATE1 BETA	PX	.005	.005	0	0
78	MP BETA1	PX	.004	.004	0	0
79	CONNECTION2 BETA	PX	.006	.006	0	0
80	CONNECTION1 BETA	PX	.006	.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000173	.000173	0	0
2	SUPP ALPHA	PZ	.000509	.000509	0	0
3	SR4 ALPHA	PZ	3.6e-5	3.6e-5	0	0
4	SR3 ALPHA	PZ	3.6e-5	3.6e-5	0	0
5	SR2 ALPHA	PZ	3.6e-5	3.6e-5	0	0
6	SR1 ALPHA	PZ	3.6e-5	3.6e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
7	SO2 ALPHA	PZ	.000309	.000309	0	0
8	SO1 ALPHA	PZ	.000309	.000309	0	0
9	SO VERT1 ALPHA	PZ	.000173	.000173	0	0
10	SO PLATE4 ALPHA	PZ	.000659	.000659	0	0
11	SO PLATE3 ALPHA	PZ	.000659	.000659	0	0
12	SO PLATE2 ALPHA	PZ	.000659	.000659	0	0
13	SO PLATE1 ALPHA	PZ	.000659	.000659	0	0
14	MP ALPHA1	PZ	.000469	.000469	0	0
15	CONNECTION2 ALPHA	PZ	.000782	.000782	0	0
16	CONNECTION1 ALPHA	PZ	.000782	.000782	0	0
17	TIEBACK BETA	PZ	8.6e-5	8.6e-5	0	0
18	SUPP BETA	PZ	.000255	.000255	0	0
19	SR4 BETA	PZ	1.8e-5	1.8e-5	0	0
20	SR3 BETA	PZ	1.8e-5	1.8e-5	0	0
21	SR2 BETA	PZ	1.8e-5	1.8e-5	0	0
22	SR1 BETA	PZ	1.8e-5	1.8e-5	0	0
23	SO2 BETA	PZ	.000154	.000154	0	0
24	SO1 BETA	PZ	.000154	.000154	0	0
25	SO VERT1 BETA	PZ	8.6e-5	8.6e-5	0	0
26	SO PLATE4 BETA	PZ	.000329	.000329	0	0
27	SO PLATE3 BETA	PZ	.000329	.000329	0	0
28	SO PLATE2 BETA	PZ	.000329	.000329	0	0
29	SO PLATE1 BETA	PZ	.000329	.000329	0	0
30	MP BETA1	PZ	.000235	.000235	0	0
31	CONNECTION2 BETA	PZ	.000391	.000391	0	0
32	CONNECTION1 BETA	PZ	.000391	.000391	0	0
33	TIEBACK GAMMA	PZ	8.6e-5	8.6e-5	0	0
34	SUPP GAMMA	PZ	.000255	.000255	0	0
35	SR4 GAMMA	PZ	1.8e-5	1.8e-5	0	0
36	SR3 GAMMA	PZ	1.8e-5	1.8e-5	0	0
37	SR2 GAMMA	PZ	1.8e-5	1.8e-5	0	0
38	SR1 GAMMA	PZ	1.8e-5	1.8e-5	0	0
39	SO2 GAMMA	PZ	.000154	.000154	0	0
40	SO1 GAMMA	PZ	.000154	.000154	0	0
41	SO VERT1 GAMMA	PZ	8.6e-5	8.6e-5	0	0
42	SO PLATE4 GAMMA	PZ	.000329	.000329	0	0
43	SO PLATE3 GAMMA	PZ	.000329	.000329	0	0
44	SO PLATE2 GAMMA	PZ	.000329	.000329	0	0
45	SO PLATE1 GAMMA	PZ	.000329	.000329	0	0
46	MP GAMMA1	PZ	.000235	.000235	0	0
47	CONNECTION2 GAMMA	PZ	.000391	.000391	0	0
48	CONNECTION1 GAMMA	PZ	.000391	.000391	0	0
49	TIEBACK BETA	PX	.00015	.00015	0	0
50	SUPP BETA	PX	.000441	.000441	0	0
51	SR4 BETA	PX	3.1e-5	3.1e-5	0	0
52	SR3 BETA	PX	3.1e-5	3.1e-5	0	0
53	SR2 BETA	PX	3.1e-5	3.1e-5	0	0
54	SR1 BETA	PX	3.1e-5	3.1e-5	0	0
55	SO2 BETA	PX	.000267	.000267	0	0
56	SO1 BETA	PX	.000267	.000267	0	0
57	SO VERT1 BETA	PX	.00015	.00015	0	0
58	SO PLATE4 BETA	PX	.00057	.00057	0	0
59	SO PLATE3 BETA	PX	.00057	.00057	0	0
60	SO PLATE2 BETA	PX	.00057	.00057	0	0
61	SO PLATE1 BETA	PX	.00057	.00057	0	0
62	MP BETA1	PX	.000406	.000406	0	0
63	CONNECTION2 BETA	PX	.000677	.000677	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
64	CONNECTION1 BETA	PX	.000677	.000677	0	0
65	TIEBACK GAMMA	PX	-.00015	-.00015	0	0
66	SUPP GAMMA	PX	-.000441	-.000441	0	0
67	SR4 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
68	SR3 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
69	SR2 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
70	SR1 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
71	SO2 GAMMA	PX	-.000267	-.000267	0	0
72	SO1 GAMMA	PX	-.000267	-.000267	0	0
73	SO VERT1 GAMMA	PX	-.00015	-.00015	0	0
74	SO PLATE4 GAMMA	PX	-.00057	-.00057	0	0
75	SO PLATE3 GAMMA	PX	-.00057	-.00057	0	0
76	SO PLATE2 GAMMA	PX	-.00057	-.00057	0	0
77	SO PLATE1 GAMMA	PX	-.00057	-.00057	0	0
78	MP GAMMA1	PX	-.000406	-.000406	0	0
79	CONNECTION2 GAMMA	PX	-.000677	-.000677	0	0
80	CONNECTION1 GAMMA	PX	-.000677	-.000677	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.00015	.00015	0	0
2	SUPP ALPHA	PZ	.000441	.000441	0	0
3	SR4 ALPHA	PZ	3.1e-5	3.1e-5	0	0
4	SR3 ALPHA	PZ	3.1e-5	3.1e-5	0	0
5	SR2 ALPHA	PZ	3.1e-5	3.1e-5	0	0
6	SR1 ALPHA	PZ	3.1e-5	3.1e-5	0	0
7	SO2 ALPHA	PZ	.000267	.000267	0	0
8	SO1 ALPHA	PZ	.000267	.000267	0	0
9	SO VERT1 ALPHA	PZ	.00015	.00015	0	0
10	SO PLATE4 ALPHA	PZ	.00057	.00057	0	0
11	SO PLATE3 ALPHA	PZ	.00057	.00057	0	0
12	SO PLATE2 ALPHA	PZ	.00057	.00057	0	0
13	SO PLATE1 ALPHA	PZ	.00057	.00057	0	0
14	MP ALPHA1	PZ	.000406	.000406	0	0
15	CONNECTION2 ALPHA	PZ	.000677	.000677	0	0
16	CONNECTION1 ALPHA	PZ	.000677	.000677	0	0
17	TIEBACK BETA	PX	-.000146	-.000146	0	0
18	SUPP BETA	PX	-.000432	-.000432	0	0
19	SR4 BETA	PX	-3.1e-5	-3.1e-5	0	0
20	SR3 BETA	PX	-3.1e-5	-3.1e-5	0	0
21	SR2 BETA	PX	-3.1e-5	-3.1e-5	0	0
22	SR1 BETA	PX	-3.1e-5	-3.1e-5	0	0
23	SO2 BETA	PX	-.000617	-.000617	0	0
24	SO1 BETA	PX	-.000617	-.000617	0	0
25	SO VERT1 BETA	PX	-.000293	-.000293	0	0
26	SO PLATE4 BETA	PX	-.000659	-.000659	0	0
27	SO PLATE3 BETA	PX	-.000659	-.000659	0	0
28	SO PLATE2 BETA	PX	-.000659	-.000659	0	0
29	SO PLATE1 BETA	PX	-.000659	-.000659	0	0
30	MP BETA1	PX	-.000469	-.000469	0	0
31	CONNECTION2 BETA	PX	-.000782	-.000782	0	0
32	CONNECTION1 BETA	PX	-.000782	-.000782	0	0
33	TIEBACK GAMMA	PZ	.00015	.00015	0	0
34	SUPP GAMMA	PZ	.000441	.000441	0	0
35	SR4 GAMMA	PZ	3.1e-5	3.1e-5	0	0
36	SR3 GAMMA	PZ	3.1e-5	3.1e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
37	SR2 GAMMA	PZ	3.1e-5	3.1e-5	0	0
38	SR1 GAMMA	PZ	3.1e-5	3.1e-5	0	0
39	SO2 GAMMA	PZ	.000267	.000267	0	0
40	SO1 GAMMA	PZ	.000267	.000267	0	0
41	SO VERT1 GAMMA	PZ	.00015	.00015	0	0
42	SO PLATE4 GAMMA	PZ	.00057	.00057	0	0
43	SO PLATE3 GAMMA	PZ	.00057	.00057	0	0
44	SO PLATE2 GAMMA	PZ	.00057	.00057	0	0
45	SO PLATE1 GAMMA	PZ	.00057	.00057	0	0
46	MP GAMMA1	PZ	.000406	.000406	0	0
47	CONNECTION2 GAMMA	PZ	.000677	.000677	0	0
48	CONNECTION1 GAMMA	PZ	.000677	.000677	0	0
49	TIEBACK ALPHA	PX	-8.6e-5	-8.6e-5	0	0
50	SUPP ALPHA	PX	-.000255	-.000255	0	0
51	SR4 ALPHA	PX	-1.8e-5	-1.8e-5	0	0
52	SR3 ALPHA	PX	-1.8e-5	-1.8e-5	0	0
53	SR2 ALPHA	PX	-1.8e-5	-1.8e-5	0	0
54	SR1 ALPHA	PX	-1.8e-5	-1.8e-5	0	0
55	SO2 ALPHA	PX	-.000154	-.000154	0	0
56	SO1 ALPHA	PX	-.000154	-.000154	0	0
57	SO VERT1 ALPHA	PX	-8.6e-5	-8.6e-5	0	0
58	SO PLATE4 ALPHA	PX	-.000329	-.000329	0	0
59	SO PLATE3 ALPHA	PX	-.000329	-.000329	0	0
60	SO PLATE2 ALPHA	PX	-.000329	-.000329	0	0
61	SO PLATE1 ALPHA	PX	-.000329	-.000329	0	0
62	MP ALPHA1	PX	-.000235	-.000235	0	0
63	CONNECTION2 ALPHA	PX	-.000391	-.000391	0	0
64	CONNECTION1 ALPHA	PX	-.000391	-.000391	0	0
65	TIEBACK GAMMA	PX	-8.6e-5	-8.6e-5	0	0
66	SUPP GAMMA	PX	-.000255	-.000255	0	0
67	SR4 GAMMA	PX	-1.8e-5	-1.8e-5	0	0
68	SR3 GAMMA	PX	-1.8e-5	-1.8e-5	0	0
69	SR2 GAMMA	PX	-1.8e-5	-1.8e-5	0	0
70	SR1 GAMMA	PX	-1.8e-5	-1.8e-5	0	0
71	SO2 GAMMA	PX	-.000154	-.000154	0	0
72	SO1 GAMMA	PX	-.000154	-.000154	0	0
73	SO VERT1 GAMMA	PX	-8.6e-5	-8.6e-5	0	0
74	SO PLATE4 GAMMA	PX	-.000329	-.000329	0	0
75	SO PLATE3 GAMMA	PX	-.000329	-.000329	0	0
76	SO PLATE2 GAMMA	PX	-.000329	-.000329	0	0
77	SO PLATE1 GAMMA	PX	-.000329	-.000329	0	0
78	MP GAMMA1	PX	-.000235	-.000235	0	0
79	CONNECTION2 GAMMA	PX	-.000391	-.000391	0	0
80	CONNECTION1 GAMMA	PX	-.000391	-.000391	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	8.6e-5	8.6e-5	0	0
2	SUPP ALPHA	PZ	.000255	.000255	0	0
3	SR4 ALPHA	PZ	1.8e-5	1.8e-5	0	0
4	SR3 ALPHA	PZ	1.8e-5	1.8e-5	0	0
5	SR2 ALPHA	PZ	1.8e-5	1.8e-5	0	0
6	SR1 ALPHA	PZ	1.8e-5	1.8e-5	0	0
7	SO2 ALPHA	PZ	.000154	.000154	0	0
8	SO1 ALPHA	PZ	.000154	.000154	0	0
9	SO VERT1 ALPHA	PZ	8.6e-5	8.6e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
10	SO PLATE4 ALPHA	PZ	.000329	.000329	0	0
11	SO PLATE3 ALPHA	PZ	.000329	.000329	0	0
12	SO PLATE2 ALPHA	PZ	.000329	.000329	0	0
13	SO PLATE1 ALPHA	PZ	.000329	.000329	0	0
14	MP ALPHA1	PZ	.000235	.000235	0	0
15	CONNECTION2 ALPHA	PZ	.000391	.000391	0	0
16	CONNECTION1 ALPHA	PZ	.000391	.000391	0	0
17	TIEBACK BETA	PZ	8.6e-5	8.6e-5	0	0
18	SUPP BETA	PZ	.000255	.000255	0	0
19	SR4 BETA	PZ	1.8e-5	1.8e-5	0	0
20	SR3 BETA	PZ	1.8e-5	1.8e-5	0	0
21	SR2 BETA	PZ	1.8e-5	1.8e-5	0	0
22	SR1 BETA	PZ	1.8e-5	1.8e-5	0	0
23	SO2 BETA	PZ	.000154	.000154	0	0
24	SO1 BETA	PZ	.000154	.000154	0	0
25	SO VERT1 BETA	PZ	8.6e-5	8.6e-5	0	0
26	SO PLATE4 BETA	PZ	.000329	.000329	0	0
27	SO PLATE3 BETA	PZ	.000329	.000329	0	0
28	SO PLATE2 BETA	PZ	.000329	.000329	0	0
29	SO PLATE1 BETA	PZ	.000329	.000329	0	0
30	MP BETA1	PZ	.000235	.000235	0	0
31	CONNECTION2 BETA	PZ	.000391	.000391	0	0
32	CONNECTION1 BETA	PZ	.000391	.000391	0	0
33	TIEBACK GAMMA	PZ	.000173	.000173	0	0
34	SUPP GAMMA	PZ	.000509	.000509	0	0
35	SR4 GAMMA	PZ	3.6e-5	3.6e-5	0	0
36	SR3 GAMMA	PZ	3.6e-5	3.6e-5	0	0
37	SR2 GAMMA	PZ	3.6e-5	3.6e-5	0	0
38	SR1 GAMMA	PZ	3.6e-5	3.6e-5	0	0
39	SO2 GAMMA	PZ	.000309	.000309	0	0
40	SO1 GAMMA	PZ	.000309	.000309	0	0
41	SO VERT1 GAMMA	PZ	.000173	.000173	0	0
42	SO PLATE4 GAMMA	PZ	.000659	.000659	0	0
43	SO PLATE3 GAMMA	PZ	.000659	.000659	0	0
44	SO PLATE2 GAMMA	PZ	.000659	.000659	0	0
45	SO PLATE1 GAMMA	PZ	.000659	.000659	0	0
46	MP GAMMA1	PZ	.000469	.000469	0	0
47	CONNECTION2 GAMMA	PZ	.000782	.000782	0	0
48	CONNECTION1 GAMMA	PZ	.000782	.000782	0	0
49	TIEBACK ALPHA	PX	-.00015	-.00015	0	0
50	SUPP ALPHA	PX	-.000441	-.000441	0	0
51	SR4 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
52	SR3 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
53	SR2 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
54	SR1 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
55	SO2 ALPHA	PX	-.000267	-.000267	0	0
56	SO1 ALPHA	PX	-.000267	-.000267	0	0
57	SO VERT1 ALPHA	PX	-.00015	-.00015	0	0
58	SO PLATE4 ALPHA	PX	-.00057	-.00057	0	0
59	SO PLATE3 ALPHA	PX	-.00057	-.00057	0	0
60	SO PLATE2 ALPHA	PX	-.00057	-.00057	0	0
61	SO PLATE1 ALPHA	PX	-.00057	-.00057	0	0
62	MP ALPHA1	PX	-.000406	-.000406	0	0
63	CONNECTION2 ALPHA	PX	-.000677	-.000677	0	0
64	CONNECTION1 ALPHA	PX	-.000677	-.000677	0	0
65	TIEBACK BETA	PX	-.00015	-.00015	0	0
66	SUPP BETA	PX	-.000441	-.000441	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
67	SR4 BETA	PX	-3.1e-5	-3.1e-5	0	0
68	SR3 BETA	PX	-3.1e-5	-3.1e-5	0	0
69	SR2 BETA	PX	-3.1e-5	-3.1e-5	0	0
70	SR1 BETA	PX	-3.1e-5	-3.1e-5	0	0
71	SO2 BETA	PX	-.000267	-.000267	0	0
72	SO1 BETA	PX	-.000267	-.000267	0	0
73	SO VERT1 BETA	PX	-.00015	-.00015	0	0
74	SO PLATE4 BETA	PX	-.00057	-.00057	0	0
75	SO PLATE3 BETA	PX	-.00057	-.00057	0	0
76	SO PLATE2 BETA	PX	-.00057	-.00057	0	0
77	SO PLATE1 BETA	PX	-.00057	-.00057	0	0
78	MP BETA1	PX	-.000406	-.000406	0	0
79	CONNECTION2 BETA	PX	-.000677	-.000677	0	0
80	CONNECTION1 BETA	PX	-.000677	-.000677	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	-.000146	-.000146	0	0
2	SUPP ALPHA	PX	-.000432	-.000432	0	0
3	SR4 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
4	SR3 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
5	SR2 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
6	SR1 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
7	SO2 ALPHA	PX	-.000617	-.000617	0	0
8	SO1 ALPHA	PX	-.000617	-.000617	0	0
9	SO VERT1 ALPHA	PX	-.000293	-.000293	0	0
10	SO PLATE4 ALPHA	PX	-.000659	-.000659	0	0
11	SO PLATE3 ALPHA	PX	-.000659	-.000659	0	0
12	SO PLATE2 ALPHA	PX	-.000659	-.000659	0	0
13	SO PLATE1 ALPHA	PX	-.000659	-.000659	0	0
14	MP ALPHA1	PX	-.000469	-.000469	0	0
15	CONNECTION2 ALPHA	PX	-.000782	-.000782	0	0
16	CONNECTION1 ALPHA	PX	-.000782	-.000782	0	0
17	TIEBACK BETA	PZ	-.00015	-.00015	0	0
18	SUPP BETA	PZ	-.000441	-.000441	0	0
19	SR4 BETA	PZ	-3.1e-5	-3.1e-5	0	0
20	SR3 BETA	PZ	-3.1e-5	-3.1e-5	0	0
21	SR2 BETA	PZ	-3.1e-5	-3.1e-5	0	0
22	SR1 BETA	PZ	-3.1e-5	-3.1e-5	0	0
23	SO2 BETA	PZ	-.000267	-.000267	0	0
24	SO1 BETA	PZ	-.000267	-.000267	0	0
25	SO VERT1 BETA	PZ	-.00015	-.00015	0	0
26	SO PLATE4 BETA	PZ	-.00057	-.00057	0	0
27	SO PLATE3 BETA	PZ	-.00057	-.00057	0	0
28	SO PLATE2 BETA	PZ	-.00057	-.00057	0	0
29	SO PLATE1 BETA	PZ	-.00057	-.00057	0	0
30	MP BETA1	PZ	-.000406	-.000406	0	0
31	CONNECTION2 BETA	PZ	-.000677	-.000677	0	0
32	CONNECTION1 BETA	PZ	-.000677	-.000677	0	0
33	TIEBACK GAMMA	PZ	.00015	.00015	0	0
34	SUPP GAMMA	PZ	.000441	.000441	0	0
35	SR4 GAMMA	PZ	3.1e-5	3.1e-5	0	0
36	SR3 GAMMA	PZ	3.1e-5	3.1e-5	0	0
37	SR2 GAMMA	PZ	3.1e-5	3.1e-5	0	0
38	SR1 GAMMA	PZ	3.1e-5	3.1e-5	0	0
39	SO2 GAMMA	PZ	.000267	.000267	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
40	SO1 GAMMA	PZ	.000267	.000267	0	0
41	SO VERT1 GAMMA	PZ	.00015	.00015	0	0
42	SO PLATE4 GAMMA	PZ	.00057	.00057	0	0
43	SO PLATE3 GAMMA	PZ	.00057	.00057	0	0
44	SO PLATE2 GAMMA	PZ	.00057	.00057	0	0
45	SO PLATE1 GAMMA	PZ	.00057	.00057	0	0
46	MP GAMMA1	PZ	.000406	.000406	0	0
47	CONNECTION2 GAMMA	PZ	.000677	.000677	0	0
48	CONNECTION1 GAMMA	PZ	.000677	.000677	0	0
49	TIEBACK BETA	PX	-8.6e-5	-8.6e-5	0	0
50	SUPP BETA	PX	-.000255	-.000255	0	0
51	SR4 BETA	PX	-1.8e-5	-1.8e-5	0	0
52	SR3 BETA	PX	-1.8e-5	-1.8e-5	0	0
53	SR2 BETA	PX	-1.8e-5	-1.8e-5	0	0
54	SR1 BETA	PX	-1.8e-5	-1.8e-5	0	0
55	SO2 BETA	PX	-.000154	-.000154	0	0
56	SO1 BETA	PX	-.000154	-.000154	0	0
57	SO VERT1 BETA	PX	-8.6e-5	-8.6e-5	0	0
58	SO PLATE4 BETA	PX	-.000329	-.000329	0	0
59	SO PLATE3 BETA	PX	-.000329	-.000329	0	0
60	SO PLATE2 BETA	PX	-.000329	-.000329	0	0
61	SO PLATE1 BETA	PX	-.000329	-.000329	0	0
62	MP BETA1	PX	-.000235	-.000235	0	0
63	CONNECTION2 BETA	PX	-.000391	-.000391	0	0
64	CONNECTION1 BETA	PX	-.000391	-.000391	0	0
65	TIEBACK GAMMA	PX	-8.6e-5	-8.6e-5	0	0
66	SUPP GAMMA	PX	-.000255	-.000255	0	0
67	SR4 GAMMA	PX	-1.8e-5	-1.8e-5	0	0
68	SR3 GAMMA	PX	-1.8e-5	-1.8e-5	0	0
69	SR2 GAMMA	PX	-1.8e-5	-1.8e-5	0	0
70	SR1 GAMMA	PX	-1.8e-5	-1.8e-5	0	0
71	SO2 GAMMA	PX	-.000154	-.000154	0	0
72	SO1 GAMMA	PX	-.000154	-.000154	0	0
73	SO VERT1 GAMMA	PX	-8.6e-5	-8.6e-5	0	0
74	SO PLATE4 GAMMA	PX	-.000329	-.000329	0	0
75	SO PLATE3 GAMMA	PX	-.000329	-.000329	0	0
76	SO PLATE2 GAMMA	PX	-.000329	-.000329	0	0
77	SO PLATE1 GAMMA	PX	-.000329	-.000329	0	0
78	MP GAMMA1	PX	-.000235	-.000235	0	0
79	CONNECTION2 GAMMA	PX	-.000391	-.000391	0	0
80	CONNECTION1 GAMMA	PX	-.000391	-.000391	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-8.6e-5	-8.6e-5	0	0
2	SUPP ALPHA	PZ	-.000255	-.000255	0	0
3	SR4 ALPHA	PZ	-1.8e-5	-1.8e-5	0	0
4	SR3 ALPHA	PZ	-1.8e-5	-1.8e-5	0	0
5	SR2 ALPHA	PZ	-1.8e-5	-1.8e-5	0	0
6	SR1 ALPHA	PZ	-1.8e-5	-1.8e-5	0	0
7	SO2 ALPHA	PZ	-.000154	-.000154	0	0
8	SO1 ALPHA	PZ	-.000154	-.000154	0	0
9	SO VERT1 ALPHA	PZ	-8.6e-5	-8.6e-5	0	0
10	SO PLATE4 ALPHA	PZ	-.000329	-.000329	0	0
11	SO PLATE3 ALPHA	PZ	-.000329	-.000329	0	0
12	SO PLATE2 ALPHA	PZ	-.000329	-.000329	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
13	SO PLATE1 ALPHA	PZ	-.000329	-.000329	0	0
14	MP ALPHA1	PZ	-.000235	-.000235	0	0
15	CONNECTION2 ALPHA	PZ	-.000391	-.000391	0	0
16	CONNECTION1 ALPHA	PZ	-.000391	-.000391	0	0
17	TIEBACK BETA	PZ	-.000173	-.000173	0	0
18	SUPP BETA	PZ	-.000509	-.000509	0	0
19	SR4 BETA	PZ	-3.6e-5	-3.6e-5	0	0
20	SR3 BETA	PZ	-3.6e-5	-3.6e-5	0	0
21	SR2 BETA	PZ	-3.6e-5	-3.6e-5	0	0
22	SR1 BETA	PZ	-3.6e-5	-3.6e-5	0	0
23	SO2 BETA	PZ	-.000309	-.000309	0	0
24	SO1 BETA	PZ	-.000309	-.000309	0	0
25	SO VERT1 BETA	PZ	-.000173	-.000173	0	0
26	SO PLATE4 BETA	PZ	-.000659	-.000659	0	0
27	SO PLATE3 BETA	PZ	-.000659	-.000659	0	0
28	SO PLATE2 BETA	PZ	-.000659	-.000659	0	0
29	SO PLATE1 BETA	PZ	-.000659	-.000659	0	0
30	MP BETA1	PZ	-.000469	-.000469	0	0
31	CONNECTION2 BETA	PZ	-.000782	-.000782	0	0
32	CONNECTION1 BETA	PZ	-.000782	-.000782	0	0
33	TIEBACK GAMMA	PZ	-8.6e-5	-8.6e-5	0	0
34	SUPP GAMMA	PZ	-.000255	-.000255	0	0
35	SR4 GAMMA	PZ	-1.8e-5	-1.8e-5	0	0
36	SR3 GAMMA	PZ	-1.8e-5	-1.8e-5	0	0
37	SR2 GAMMA	PZ	-1.8e-5	-1.8e-5	0	0
38	SR1 GAMMA	PZ	-1.8e-5	-1.8e-5	0	0
39	SO2 GAMMA	PZ	-.000154	-.000154	0	0
40	SO1 GAMMA	PZ	-.000154	-.000154	0	0
41	SO VERT1 GAMMA	PZ	-8.6e-5	-8.6e-5	0	0
42	SO PLATE4 GAMMA	PZ	-.000329	-.000329	0	0
43	SO PLATE3 GAMMA	PZ	-.000329	-.000329	0	0
44	SO PLATE2 GAMMA	PZ	-.000329	-.000329	0	0
45	SO PLATE1 GAMMA	PZ	-.000329	-.000329	0	0
46	MP GAMMA1	PZ	-.000235	-.000235	0	0
47	CONNECTION2 GAMMA	PZ	-.000391	-.000391	0	0
48	CONNECTION1 GAMMA	PZ	-.000391	-.000391	0	0
49	TIEBACK ALPHA	PX	-.00015	-.00015	0	0
50	SUPP ALPHA	PX	-.000441	-.000441	0	0
51	SR4 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
52	SR3 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
53	SR2 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
54	SR1 ALPHA	PX	-3.1e-5	-3.1e-5	0	0
55	SO2 ALPHA	PX	-.000267	-.000267	0	0
56	SO1 ALPHA	PX	-.000267	-.000267	0	0
57	SO VERT1 ALPHA	PX	-.00015	-.00015	0	0
58	SO PLATE4 ALPHA	PX	-.00057	-.00057	0	0
59	SO PLATE3 ALPHA	PX	-.00057	-.00057	0	0
60	SO PLATE2 ALPHA	PX	-.00057	-.00057	0	0
61	SO PLATE1 ALPHA	PX	-.00057	-.00057	0	0
62	MP ALPHA1	PX	-.000406	-.000406	0	0
63	CONNECTION2 ALPHA	PX	-.000677	-.000677	0	0
64	CONNECTION1 ALPHA	PX	-.000677	-.000677	0	0
65	TIEBACK GAMMA	PX	-.00015	-.00015	0	0
66	SUPP GAMMA	PX	-.000441	-.000441	0	0
67	SR4 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
68	SR3 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
69	SR2 GAMMA	PX	-3.1e-5	-3.1e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
70	SR1 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
71	SO2 GAMMA	PX	-.000267	-.000267	0	0
72	SO1 GAMMA	PX	-.000267	-.000267	0	0
73	SO VERT1 GAMMA	PX	-.00015	-.00015	0	0
74	SO PLATE4 GAMMA	PX	-.00057	-.00057	0	0
75	SO PLATE3 GAMMA	PX	-.00057	-.00057	0	0
76	SO PLATE2 GAMMA	PX	-.00057	-.00057	0	0
77	SO PLATE1 GAMMA	PX	-.00057	-.00057	0	0
78	MP GAMMA1	PX	-.000406	-.000406	0	0
79	CONNECTION2 GAMMA	PX	-.000677	-.000677	0	0
80	CONNECTION1 GAMMA	PX	-.000677	-.000677	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.00015	-.00015	0	0
2	SUPP ALPHA	PZ	-.000441	-.000441	0	0
3	SR4 ALPHA	PZ	-3.1e-5	-3.1e-5	0	0
4	SR3 ALPHA	PZ	-3.1e-5	-3.1e-5	0	0
5	SR2 ALPHA	PZ	-3.1e-5	-3.1e-5	0	0
6	SR1 ALPHA	PZ	-3.1e-5	-3.1e-5	0	0
7	SO2 ALPHA	PZ	-.000267	-.000267	0	0
8	SO1 ALPHA	PZ	-.000267	-.000267	0	0
9	SO VERT1 ALPHA	PZ	-.00015	-.00015	0	0
10	SO PLATE4 ALPHA	PZ	-.00057	-.00057	0	0
11	SO PLATE3 ALPHA	PZ	-.00057	-.00057	0	0
12	SO PLATE2 ALPHA	PZ	-.00057	-.00057	0	0
13	SO PLATE1 ALPHA	PZ	-.00057	-.00057	0	0
14	MP ALPHA1	PZ	-.000406	-.000406	0	0
15	CONNECTION2 ALPHA	PZ	-.000677	-.000677	0	0
16	CONNECTION1 ALPHA	PZ	-.000677	-.000677	0	0
17	TIEBACK BETA	PZ	-.00015	-.00015	0	0
18	SUPP BETA	PZ	-.000441	-.000441	0	0
19	SR4 BETA	PZ	-3.1e-5	-3.1e-5	0	0
20	SR3 BETA	PZ	-3.1e-5	-3.1e-5	0	0
21	SR2 BETA	PZ	-3.1e-5	-3.1e-5	0	0
22	SR1 BETA	PZ	-3.1e-5	-3.1e-5	0	0
23	SO2 BETA	PZ	-.000267	-.000267	0	0
24	SO1 BETA	PZ	-.000267	-.000267	0	0
25	SO VERT1 BETA	PZ	-.00015	-.00015	0	0
26	SO PLATE4 BETA	PZ	-.00057	-.00057	0	0
27	SO PLATE3 BETA	PZ	-.00057	-.00057	0	0
28	SO PLATE2 BETA	PZ	-.00057	-.00057	0	0
29	SO PLATE1 BETA	PZ	-.00057	-.00057	0	0
30	MP BETA1	PZ	-.000406	-.000406	0	0
31	CONNECTION2 BETA	PZ	-.000677	-.000677	0	0
32	CONNECTION1 BETA	PZ	-.000677	-.000677	0	0
33	TIEBACK GAMMA	PX	-.000146	-.000146	0	0
34	SUPP GAMMA	PX	-.000432	-.000432	0	0
35	SR4 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
36	SR3 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
37	SR2 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
38	SR1 GAMMA	PX	-3.1e-5	-3.1e-5	0	0
39	SO2 GAMMA	PX	-.000617	-.000617	0	0
40	SO1 GAMMA	PX	-.000617	-.000617	0	0
41	SO VERT1 GAMMA	PX	-.000293	-.000293	0	0
42	SO PLATE4 GAMMA	PX	-.000659	-.000659	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
43	SO PLATE3 GAMMA	PX	-.000659	-.000659	0	0
44	SO PLATE2 GAMMA	PX	-.000659	-.000659	0	0
45	SO PLATE1 GAMMA	PX	-.000659	-.000659	0	0
46	MP GAMMA1	PX	-.000469	-.000469	0	0
47	CONNECTION2 GAMMA	PX	-.000782	-.000782	0	0
48	CONNECTION1 GAMMA	PX	-.000782	-.000782	0	0
49	TIEBACK ALPHA	PX	-8.6e-5	-8.6e-5	0	0
50	SUPP ALPHA	PX	-.000255	-.000255	0	0
51	SR4 ALPHA	PX	-1.8e-5	-1.8e-5	0	0
52	SR3 ALPHA	PX	-1.8e-5	-1.8e-5	0	0
53	SR2 ALPHA	PX	-1.8e-5	-1.8e-5	0	0
54	SR1 ALPHA	PX	-1.8e-5	-1.8e-5	0	0
55	SO2 ALPHA	PX	-.000154	-.000154	0	0
56	SO1 ALPHA	PX	-.000154	-.000154	0	0
57	SO VERT1 ALPHA	PX	-8.6e-5	-8.6e-5	0	0
58	SO PLATE4 ALPHA	PX	-.000329	-.000329	0	0
59	SO PLATE3 ALPHA	PX	-.000329	-.000329	0	0
60	SO PLATE2 ALPHA	PX	-.000329	-.000329	0	0
61	SO PLATE1 ALPHA	PX	-.000329	-.000329	0	0
62	MP ALPHA1	PX	-.000235	-.000235	0	0
63	CONNECTION2 ALPHA	PX	-.000391	-.000391	0	0
64	CONNECTION1 ALPHA	PX	-.000391	-.000391	0	0
65	TIEBACK BETA	PX	-8.6e-5	-8.6e-5	0	0
66	SUPP BETA	PX	-.000255	-.000255	0	0
67	SR4 BETA	PX	-1.8e-5	-1.8e-5	0	0
68	SR3 BETA	PX	-1.8e-5	-1.8e-5	0	0
69	SR2 BETA	PX	-1.8e-5	-1.8e-5	0	0
70	SR1 BETA	PX	-1.8e-5	-1.8e-5	0	0
71	SO2 BETA	PX	-.000154	-.000154	0	0
72	SO1 BETA	PX	-.000154	-.000154	0	0
73	SO VERT1 BETA	PX	-8.6e-5	-8.6e-5	0	0
74	SO PLATE4 BETA	PX	-.000329	-.000329	0	0
75	SO PLATE3 BETA	PX	-.000329	-.000329	0	0
76	SO PLATE2 BETA	PX	-.000329	-.000329	0	0
77	SO PLATE1 BETA	PX	-.000329	-.000329	0	0
78	MP BETA1	PX	-.000235	-.000235	0	0
79	CONNECTION2 BETA	PX	-.000391	-.000391	0	0
80	CONNECTION1 BETA	PX	-.000391	-.000391	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000173	-.000173	0	0
2	SUPP ALPHA	PZ	-.000509	-.000509	0	0
3	SR4 ALPHA	PZ	-3.6e-5	-3.6e-5	0	0
4	SR3 ALPHA	PZ	-3.6e-5	-3.6e-5	0	0
5	SR2 ALPHA	PZ	-3.6e-5	-3.6e-5	0	0
6	SR1 ALPHA	PZ	-3.6e-5	-3.6e-5	0	0
7	SO2 ALPHA	PZ	-.000309	-.000309	0	0
8	SO1 ALPHA	PZ	-.000309	-.000309	0	0
9	SO VERT1 ALPHA	PZ	-.000173	-.000173	0	0
10	SO PLATE4 ALPHA	PZ	-.000659	-.000659	0	0
11	SO PLATE3 ALPHA	PZ	-.000659	-.000659	0	0
12	SO PLATE2 ALPHA	PZ	-.000659	-.000659	0	0
13	SO PLATE1 ALPHA	PZ	-.000659	-.000659	0	0
14	MP ALPHA1	PZ	-.000469	-.000469	0	0
15	CONNECTION2 ALPHA	PZ	-.000782	-.000782	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
16	CONNECTION1 ALPHA	PZ	-.000782	-.000782	0	0
17	TIEBACK BETA	PZ	-8.6e-5	-8.6e-5	0	0
18	SUPP BETA	PZ	-.000255	-.000255	0	0
19	SR4 BETA	PZ	-1.8e-5	-1.8e-5	0	0
20	SR3 BETA	PZ	-1.8e-5	-1.8e-5	0	0
21	SR2 BETA	PZ	-1.8e-5	-1.8e-5	0	0
22	SR1 BETA	PZ	-1.8e-5	-1.8e-5	0	0
23	SO2 BETA	PZ	-.000154	-.000154	0	0
24	SO1 BETA	PZ	-.000154	-.000154	0	0
25	SO VERT1 BETA	PZ	-8.6e-5	-8.6e-5	0	0
26	SO PLATE4 BETA	PZ	-.000329	-.000329	0	0
27	SO PLATE3 BETA	PZ	-.000329	-.000329	0	0
28	SO PLATE2 BETA	PZ	-.000329	-.000329	0	0
29	SO PLATE1 BETA	PZ	-.000329	-.000329	0	0
30	MP BETA1	PZ	-.000235	-.000235	0	0
31	CONNECTION2 BETA	PZ	-.000391	-.000391	0	0
32	CONNECTION1 BETA	PZ	-.000391	-.000391	0	0
33	TIEBACK GAMMA	PZ	-8.6e-5	-8.6e-5	0	0
34	SUPP GAMMA	PZ	-.000255	-.000255	0	0
35	SR4 GAMMA	PZ	-1.8e-5	-1.8e-5	0	0
36	SR3 GAMMA	PZ	-1.8e-5	-1.8e-5	0	0
37	SR2 GAMMA	PZ	-1.8e-5	-1.8e-5	0	0
38	SR1 GAMMA	PZ	-1.8e-5	-1.8e-5	0	0
39	SO2 GAMMA	PZ	-.000154	-.000154	0	0
40	SO1 GAMMA	PZ	-.000154	-.000154	0	0
41	SO VERT1 GAMMA	PZ	-8.6e-5	-8.6e-5	0	0
42	SO PLATE4 GAMMA	PZ	-.000329	-.000329	0	0
43	SO PLATE3 GAMMA	PZ	-.000329	-.000329	0	0
44	SO PLATE2 GAMMA	PZ	-.000329	-.000329	0	0
45	SO PLATE1 GAMMA	PZ	-.000329	-.000329	0	0
46	MP GAMMA1	PZ	-.000235	-.000235	0	0
47	CONNECTION2 GAMMA	PZ	-.000391	-.000391	0	0
48	CONNECTION1 GAMMA	PZ	-.000391	-.000391	0	0
49	TIEBACK BETA	PX	-.00015	-.00015	0	0
50	SUPP BETA	PX	-.000441	-.000441	0	0
51	SR4 BETA	PX	-3.1e-5	-3.1e-5	0	0
52	SR3 BETA	PX	-3.1e-5	-3.1e-5	0	0
53	SR2 BETA	PX	-3.1e-5	-3.1e-5	0	0
54	SR1 BETA	PX	-3.1e-5	-3.1e-5	0	0
55	SO2 BETA	PX	-.000267	-.000267	0	0
56	SO1 BETA	PX	-.000267	-.000267	0	0
57	SO VERT1 BETA	PX	-.00015	-.00015	0	0
58	SO PLATE4 BETA	PX	-.00057	-.00057	0	0
59	SO PLATE3 BETA	PX	-.00057	-.00057	0	0
60	SO PLATE2 BETA	PX	-.00057	-.00057	0	0
61	SO PLATE1 BETA	PX	-.00057	-.00057	0	0
62	MP BETA1	PX	-.000406	-.000406	0	0
63	CONNECTION2 BETA	PX	-.000677	-.000677	0	0
64	CONNECTION1 BETA	PX	-.000677	-.000677	0	0
65	TIEBACK GAMMA	PX	.00015	.00015	0	0
66	SUPP GAMMA	PX	.000441	.000441	0	0
67	SR4 GAMMA	PX	3.1e-5	3.1e-5	0	0
68	SR3 GAMMA	PX	3.1e-5	3.1e-5	0	0
69	SR2 GAMMA	PX	3.1e-5	3.1e-5	0	0
70	SR1 GAMMA	PX	3.1e-5	3.1e-5	0	0
71	SO2 GAMMA	PX	.000267	.000267	0	0
72	SO1 GAMMA	PX	.000267	.000267	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
73	SO VERT1 GAMMA	PX	.00015	.00015	0	0
74	SO PLATE4 GAMMA	PX	.00057	.00057	0	0
75	SO PLATE3 GAMMA	PX	.00057	.00057	0	0
76	SO PLATE2 GAMMA	PX	.00057	.00057	0	0
77	SO PLATE1 GAMMA	PX	.00057	.00057	0	0
78	MP GAMMA1	PX	.000406	.000406	0	0
79	CONNECTION2 GAMMA	PX	.000677	.000677	0	0
80	CONNECTION1 GAMMA	PX	.000677	.000677	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.00015	-.00015	0	0
2	SUPP ALPHA	PZ	-.000441	-.000441	0	0
3	SR4 ALPHA	PZ	-3.1e-5	-3.1e-5	0	0
4	SR3 ALPHA	PZ	-3.1e-5	-3.1e-5	0	0
5	SR2 ALPHA	PZ	-3.1e-5	-3.1e-5	0	0
6	SR1 ALPHA	PZ	-3.1e-5	-3.1e-5	0	0
7	SO2 ALPHA	PZ	-.000267	-.000267	0	0
8	SO1 ALPHA	PZ	-.000267	-.000267	0	0
9	SO VERT1 ALPHA	PZ	-.00015	-.00015	0	0
10	SO PLATE4 ALPHA	PZ	-.00057	-.00057	0	0
11	SO PLATE3 ALPHA	PZ	-.00057	-.00057	0	0
12	SO PLATE2 ALPHA	PZ	-.00057	-.00057	0	0
13	SO PLATE1 ALPHA	PZ	-.00057	-.00057	0	0
14	MP ALPHA1	PZ	-.000406	-.000406	0	0
15	CONNECTION2 ALPHA	PZ	-.000677	-.000677	0	0
16	CONNECTION1 ALPHA	PZ	-.000677	-.000677	0	0
17	TIEBACK BETA	PX	.000146	.000146	0	0
18	SUPP BETA	PX	.000432	.000432	0	0
19	SR4 BETA	PX	3.1e-5	3.1e-5	0	0
20	SR3 BETA	PX	3.1e-5	3.1e-5	0	0
21	SR2 BETA	PX	3.1e-5	3.1e-5	0	0
22	SR1 BETA	PX	3.1e-5	3.1e-5	0	0
23	SO2 BETA	PX	.000617	.000617	0	0
24	SO1 BETA	PX	.000617	.000617	0	0
25	SO VERT1 BETA	PX	.000293	.000293	0	0
26	SO PLATE4 BETA	PX	.000659	.000659	0	0
27	SO PLATE3 BETA	PX	.000659	.000659	0	0
28	SO PLATE2 BETA	PX	.000659	.000659	0	0
29	SO PLATE1 BETA	PX	.000659	.000659	0	0
30	MP BETA1	PX	.000469	.000469	0	0
31	CONNECTION2 BETA	PX	.000782	.000782	0	0
32	CONNECTION1 BETA	PX	.000782	.000782	0	0
33	TIEBACK GAMMA	PZ	-.00015	-.00015	0	0
34	SUPP GAMMA	PZ	-.000441	-.000441	0	0
35	SR4 GAMMA	PZ	-3.1e-5	-3.1e-5	0	0
36	SR3 GAMMA	PZ	-3.1e-5	-3.1e-5	0	0
37	SR2 GAMMA	PZ	-3.1e-5	-3.1e-5	0	0
38	SR1 GAMMA	PZ	-3.1e-5	-3.1e-5	0	0
39	SO2 GAMMA	PZ	-.000267	-.000267	0	0
40	SO1 GAMMA	PZ	-.000267	-.000267	0	0
41	SO VERT1 GAMMA	PZ	-.00015	-.00015	0	0
42	SO PLATE4 GAMMA	PZ	-.00057	-.00057	0	0
43	SO PLATE3 GAMMA	PZ	-.00057	-.00057	0	0
44	SO PLATE2 GAMMA	PZ	-.00057	-.00057	0	0
45	SO PLATE1 GAMMA	PZ	-.00057	-.00057	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
46	MP GAMMA1	PZ	-.000406	-.000406	0	0
47	CONNECTION2 GAMMA	PZ	-.000677	-.000677	0	0
48	CONNECTION1 GAMMA	PZ	-.000677	-.000677	0	0
49	TIEBACK ALPHA	PX	8.6e-5	8.6e-5	0	0
50	SUPP ALPHA	PX	.000255	.000255	0	0
51	SR4 ALPHA	PX	1.8e-5	1.8e-5	0	0
52	SR3 ALPHA	PX	1.8e-5	1.8e-5	0	0
53	SR2 ALPHA	PX	1.8e-5	1.8e-5	0	0
54	SR1 ALPHA	PX	1.8e-5	1.8e-5	0	0
55	SO2 ALPHA	PX	.000154	.000154	0	0
56	SO1 ALPHA	PX	.000154	.000154	0	0
57	SO VERT1 ALPHA	PX	8.6e-5	8.6e-5	0	0
58	SO PLATE4 ALPHA	PX	.000329	.000329	0	0
59	SO PLATE3 ALPHA	PX	.000329	.000329	0	0
60	SO PLATE2 ALPHA	PX	.000329	.000329	0	0
61	SO PLATE1 ALPHA	PX	.000329	.000329	0	0
62	MP ALPHA1	PX	.000235	.000235	0	0
63	CONNECTION2 ALPHA	PX	.000391	.000391	0	0
64	CONNECTION1 ALPHA	PX	.000391	.000391	0	0
65	TIEBACK GAMMA	PX	8.6e-5	8.6e-5	0	0
66	SUPP GAMMA	PX	.000255	.000255	0	0
67	SR4 GAMMA	PX	1.8e-5	1.8e-5	0	0
68	SR3 GAMMA	PX	1.8e-5	1.8e-5	0	0
69	SR2 GAMMA	PX	1.8e-5	1.8e-5	0	0
70	SR1 GAMMA	PX	1.8e-5	1.8e-5	0	0
71	SO2 GAMMA	PX	.000154	.000154	0	0
72	SO1 GAMMA	PX	.000154	.000154	0	0
73	SO VERT1 GAMMA	PX	8.6e-5	8.6e-5	0	0
74	SO PLATE4 GAMMA	PX	.000329	.000329	0	0
75	SO PLATE3 GAMMA	PX	.000329	.000329	0	0
76	SO PLATE2 GAMMA	PX	.000329	.000329	0	0
77	SO PLATE1 GAMMA	PX	.000329	.000329	0	0
78	MP GAMMA1	PX	.000235	.000235	0	0
79	CONNECTION2 GAMMA	PX	.000391	.000391	0	0
80	CONNECTION1 GAMMA	PX	.000391	.000391	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-8.6e-5	-8.6e-5	0	0
2	SUPP ALPHA	PZ	-.000255	-.000255	0	0
3	SR4 ALPHA	PZ	-1.8e-5	-1.8e-5	0	0
4	SR3 ALPHA	PZ	-1.8e-5	-1.8e-5	0	0
5	SR2 ALPHA	PZ	-1.8e-5	-1.8e-5	0	0
6	SR1 ALPHA	PZ	-1.8e-5	-1.8e-5	0	0
7	SO2 ALPHA	PZ	-.000154	-.000154	0	0
8	SO1 ALPHA	PZ	-.000154	-.000154	0	0
9	SO VERT1 ALPHA	PZ	-8.6e-5	-8.6e-5	0	0
10	SO PLATE4 ALPHA	PZ	-.000329	-.000329	0	0
11	SO PLATE3 ALPHA	PZ	-.000329	-.000329	0	0
12	SO PLATE2 ALPHA	PZ	-.000329	-.000329	0	0
13	SO PLATE1 ALPHA	PZ	-.000329	-.000329	0	0
14	MP ALPHA1	PZ	-.000235	-.000235	0	0
15	CONNECTION2 ALPHA	PZ	-.000391	-.000391	0	0
16	CONNECTION1 ALPHA	PZ	-.000391	-.000391	0	0
17	TIEBACK BETA	PZ	-8.6e-5	-8.6e-5	0	0
18	SUPP BETA	PZ	-.000255	-.000255	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
19	SR4 BETA	PZ	-1.8e-5	-1.8e-5	0	0
20	SR3 BETA	PZ	-1.8e-5	-1.8e-5	0	0
21	SR2 BETA	PZ	-1.8e-5	-1.8e-5	0	0
22	SR1 BETA	PZ	-1.8e-5	-1.8e-5	0	0
23	SO2 BETA	PZ	-.000154	-.000154	0	0
24	SO1 BETA	PZ	-.000154	-.000154	0	0
25	SO VERT1 BETA	PZ	-8.6e-5	-8.6e-5	0	0
26	SO PLATE4 BETA	PZ	-.000329	-.000329	0	0
27	SO PLATE3 BETA	PZ	-.000329	-.000329	0	0
28	SO PLATE2 BETA	PZ	-.000329	-.000329	0	0
29	SO PLATE1 BETA	PZ	-.000329	-.000329	0	0
30	MP BETA1	PZ	-.000235	-.000235	0	0
31	CONNECTION2 BETA	PZ	-.000391	-.000391	0	0
32	CONNECTION1 BETA	PZ	-.000391	-.000391	0	0
33	TIEBACK GAMMA	PZ	-.000173	-.000173	0	0
34	SUPP GAMMA	PZ	-.000509	-.000509	0	0
35	SR4 GAMMA	PZ	-3.6e-5	-3.6e-5	0	0
36	SR3 GAMMA	PZ	-3.6e-5	-3.6e-5	0	0
37	SR2 GAMMA	PZ	-3.6e-5	-3.6e-5	0	0
38	SR1 GAMMA	PZ	-3.6e-5	-3.6e-5	0	0
39	SO2 GAMMA	PZ	-.000309	-.000309	0	0
40	SO1 GAMMA	PZ	-.000309	-.000309	0	0
41	SO VERT1 GAMMA	PZ	-.000173	-.000173	0	0
42	SO PLATE4 GAMMA	PZ	-.000659	-.000659	0	0
43	SO PLATE3 GAMMA	PZ	-.000659	-.000659	0	0
44	SO PLATE2 GAMMA	PZ	-.000659	-.000659	0	0
45	SO PLATE1 GAMMA	PZ	-.000659	-.000659	0	0
46	MP GAMMA1	PZ	-.000469	-.000469	0	0
47	CONNECTION2 GAMMA	PZ	-.000782	-.000782	0	0
48	CONNECTION1 GAMMA	PZ	-.000782	-.000782	0	0
49	TIEBACK ALPHA	PX	.00015	.00015	0	0
50	SUPP ALPHA	PX	.000441	.000441	0	0
51	SR4 ALPHA	PX	3.1e-5	3.1e-5	0	0
52	SR3 ALPHA	PX	3.1e-5	3.1e-5	0	0
53	SR2 ALPHA	PX	3.1e-5	3.1e-5	0	0
54	SR1 ALPHA	PX	3.1e-5	3.1e-5	0	0
55	SO2 ALPHA	PX	.000267	.000267	0	0
56	SO1 ALPHA	PX	.000267	.000267	0	0
57	SO VERT1 ALPHA	PX	.00015	.00015	0	0
58	SO PLATE4 ALPHA	PX	.00057	.00057	0	0
59	SO PLATE3 ALPHA	PX	.00057	.00057	0	0
60	SO PLATE2 ALPHA	PX	.00057	.00057	0	0
61	SO PLATE1 ALPHA	PX	.00057	.00057	0	0
62	MP ALPHA1	PX	.000406	.000406	0	0
63	CONNECTION2 ALPHA	PX	.000677	.000677	0	0
64	CONNECTION1 ALPHA	PX	.000677	.000677	0	0
65	TIEBACK BETA	PX	.00015	.00015	0	0
66	SUPP BETA	PX	.000441	.000441	0	0
67	SR4 BETA	PX	3.1e-5	3.1e-5	0	0
68	SR3 BETA	PX	3.1e-5	3.1e-5	0	0
69	SR2 BETA	PX	3.1e-5	3.1e-5	0	0
70	SR1 BETA	PX	3.1e-5	3.1e-5	0	0
71	SO2 BETA	PX	.000267	.000267	0	0
72	SO1 BETA	PX	.000267	.000267	0	0
73	SO VERT1 BETA	PX	.00015	.00015	0	0
74	SO PLATE4 BETA	PX	.00057	.00057	0	0
75	SO PLATE3 BETA	PX	.00057	.00057	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
76	SO PLATE2 BETA	PX	.00057	.00057	0	0
77	SO PLATE1 BETA	PX	.00057	.00057	0	0
78	MP BETA1	PX	.000406	.000406	0	0
79	CONNECTION2 BETA	PX	.000677	.000677	0	0
80	CONNECTION1 BETA	PX	.000677	.000677	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	.000146	.000146	0	0
2	SUPP ALPHA	PX	.000432	.000432	0	0
3	SR4 ALPHA	PX	3.1e-5	3.1e-5	0	0
4	SR3 ALPHA	PX	3.1e-5	3.1e-5	0	0
5	SR2 ALPHA	PX	3.1e-5	3.1e-5	0	0
6	SR1 ALPHA	PX	3.1e-5	3.1e-5	0	0
7	SO2 ALPHA	PX	.000617	.000617	0	0
8	SO1 ALPHA	PX	.000617	.000617	0	0
9	SO VERT1 ALPHA	PX	.000293	.000293	0	0
10	SO PLATE4 ALPHA	PX	.000659	.000659	0	0
11	SO PLATE3 ALPHA	PX	.000659	.000659	0	0
12	SO PLATE2 ALPHA	PX	.000659	.000659	0	0
13	SO PLATE1 ALPHA	PX	.000659	.000659	0	0
14	MP ALPHA1	PX	.000469	.000469	0	0
15	CONNECTION2 ALPHA	PX	.000782	.000782	0	0
16	CONNECTION1 ALPHA	PX	.000782	.000782	0	0
17	TIEBACK BETA	PZ	.00015	.00015	0	0
18	SUPP BETA	PZ	.000441	.000441	0	0
19	SR4 BETA	PZ	3.1e-5	3.1e-5	0	0
20	SR3 BETA	PZ	3.1e-5	3.1e-5	0	0
21	SR2 BETA	PZ	3.1e-5	3.1e-5	0	0
22	SR1 BETA	PZ	3.1e-5	3.1e-5	0	0
23	SO2 BETA	PZ	.000267	.000267	0	0
24	SO1 BETA	PZ	.000267	.000267	0	0
25	SO VERT1 BETA	PZ	.00015	.00015	0	0
26	SO PLATE4 BETA	PZ	.00057	.00057	0	0
27	SO PLATE3 BETA	PZ	.00057	.00057	0	0
28	SO PLATE2 BETA	PZ	.00057	.00057	0	0
29	SO PLATE1 BETA	PZ	.00057	.00057	0	0
30	MP BETA1	PZ	.000406	.000406	0	0
31	CONNECTION2 BETA	PZ	.000677	.000677	0	0
32	CONNECTION1 BETA	PZ	.000677	.000677	0	0
33	TIEBACK GAMMA	PZ	-.00015	-.00015	0	0
34	SUPP GAMMA	PZ	-.000441	-.000441	0	0
35	SR4 GAMMA	PZ	-3.1e-5	-3.1e-5	0	0
36	SR3 GAMMA	PZ	-3.1e-5	-3.1e-5	0	0
37	SR2 GAMMA	PZ	-3.1e-5	-3.1e-5	0	0
38	SR1 GAMMA	PZ	-3.1e-5	-3.1e-5	0	0
39	SO2 GAMMA	PZ	-.000267	-.000267	0	0
40	SO1 GAMMA	PZ	-.000267	-.000267	0	0
41	SO VERT1 GAMMA	PZ	-.00015	-.00015	0	0
42	SO PLATE4 GAMMA	PZ	-.00057	-.00057	0	0
43	SO PLATE3 GAMMA	PZ	-.00057	-.00057	0	0
44	SO PLATE2 GAMMA	PZ	-.00057	-.00057	0	0
45	SO PLATE1 GAMMA	PZ	-.00057	-.00057	0	0
46	MP GAMMA1	PZ	-.000406	-.000406	0	0
47	CONNECTION2 GAMMA	PZ	-.000677	-.000677	0	0
48	CONNECTION1 GAMMA	PZ	-.000677	-.000677	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
49	TIEBACK BETA	PX	8.6e-5	8.6e-5	0	0
50	SUPP BETA	PX	.000255	.000255	0	0
51	SR4 BETA	PX	1.8e-5	1.8e-5	0	0
52	SR3 BETA	PX	1.8e-5	1.8e-5	0	0
53	SR2 BETA	PX	1.8e-5	1.8e-5	0	0
54	SR1 BETA	PX	1.8e-5	1.8e-5	0	0
55	SO2 BETA	PX	.000154	.000154	0	0
56	SO1 BETA	PX	.000154	.000154	0	0
57	SO VERT1 BETA	PX	8.6e-5	8.6e-5	0	0
58	SO PLATE4 BETA	PX	.000329	.000329	0	0
59	SO PLATE3 BETA	PX	.000329	.000329	0	0
60	SO PLATE2 BETA	PX	.000329	.000329	0	0
61	SO PLATE1 BETA	PX	.000329	.000329	0	0
62	MP BETA1	PX	.000235	.000235	0	0
63	CONNECTION2 BETA	PX	.000391	.000391	0	0
64	CONNECTION1 BETA	PX	.000391	.000391	0	0
65	TIEBACK GAMMA	PX	8.6e-5	8.6e-5	0	0
66	SUPP GAMMA	PX	.000255	.000255	0	0
67	SR4 GAMMA	PX	1.8e-5	1.8e-5	0	0
68	SR3 GAMMA	PX	1.8e-5	1.8e-5	0	0
69	SR2 GAMMA	PX	1.8e-5	1.8e-5	0	0
70	SR1 GAMMA	PX	1.8e-5	1.8e-5	0	0
71	SO2 GAMMA	PX	.000154	.000154	0	0
72	SO1 GAMMA	PX	.000154	.000154	0	0
73	SO VERT1 GAMMA	PX	8.6e-5	8.6e-5	0	0
74	SO PLATE4 GAMMA	PX	.000329	.000329	0	0
75	SO PLATE3 GAMMA	PX	.000329	.000329	0	0
76	SO PLATE2 GAMMA	PX	.000329	.000329	0	0
77	SO PLATE1 GAMMA	PX	.000329	.000329	0	0
78	MP GAMMA1	PX	.000235	.000235	0	0
79	CONNECTION2 GAMMA	PX	.000391	.000391	0	0
80	CONNECTION1 GAMMA	PX	.000391	.000391	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	8.6e-5	8.6e-5	0	0
2	SUPP ALPHA	PZ	.000255	.000255	0	0
3	SR4 ALPHA	PZ	1.8e-5	1.8e-5	0	0
4	SR3 ALPHA	PZ	1.8e-5	1.8e-5	0	0
5	SR2 ALPHA	PZ	1.8e-5	1.8e-5	0	0
6	SR1 ALPHA	PZ	1.8e-5	1.8e-5	0	0
7	SO2 ALPHA	PZ	.000154	.000154	0	0
8	SO1 ALPHA	PZ	.000154	.000154	0	0
9	SO VERT1 ALPHA	PZ	8.6e-5	8.6e-5	0	0
10	SO PLATE4 ALPHA	PZ	.000329	.000329	0	0
11	SO PLATE3 ALPHA	PZ	.000329	.000329	0	0
12	SO PLATE2 ALPHA	PZ	.000329	.000329	0	0
13	SO PLATE1 ALPHA	PZ	.000329	.000329	0	0
14	MP ALPHA1	PZ	.000235	.000235	0	0
15	CONNECTION2 ALPHA	PZ	.000391	.000391	0	0
16	CONNECTION1 ALPHA	PZ	.000391	.000391	0	0
17	TIEBACK BETA	PZ	.000173	.000173	0	0
18	SUPP BETA	PZ	.000509	.000509	0	0
19	SR4 BETA	PZ	3.6e-5	3.6e-5	0	0
20	SR3 BETA	PZ	3.6e-5	3.6e-5	0	0
21	SR2 BETA	PZ	3.6e-5	3.6e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
22	SR1 BETA	PZ	3.6e-5	3.6e-5	0	0
23	SO2 BETA	PZ	.000309	.000309	0	0
24	SO1 BETA	PZ	.000309	.000309	0	0
25	SO VERT1 BETA	PZ	.000173	.000173	0	0
26	SO PLATE4 BETA	PZ	.000659	.000659	0	0
27	SO PLATE3 BETA	PZ	.000659	.000659	0	0
28	SO PLATE2 BETA	PZ	.000659	.000659	0	0
29	SO PLATE1 BETA	PZ	.000659	.000659	0	0
30	MP BETA1	PZ	.000469	.000469	0	0
31	CONNECTION2 BETA	PZ	.000782	.000782	0	0
32	CONNECTION1 BETA	PZ	.000782	.000782	0	0
33	TIEBACK GAMMA	PZ	8.6e-5	8.6e-5	0	0
34	SUPP GAMMA	PZ	.000255	.000255	0	0
35	SR4 GAMMA	PZ	1.8e-5	1.8e-5	0	0
36	SR3 GAMMA	PZ	1.8e-5	1.8e-5	0	0
37	SR2 GAMMA	PZ	1.8e-5	1.8e-5	0	0
38	SR1 GAMMA	PZ	1.8e-5	1.8e-5	0	0
39	SO2 GAMMA	PZ	.000154	.000154	0	0
40	SO1 GAMMA	PZ	.000154	.000154	0	0
41	SO VERT1 GAMMA	PZ	8.6e-5	8.6e-5	0	0
42	SO PLATE4 GAMMA	PZ	.000329	.000329	0	0
43	SO PLATE3 GAMMA	PZ	.000329	.000329	0	0
44	SO PLATE2 GAMMA	PZ	.000329	.000329	0	0
45	SO PLATE1 GAMMA	PZ	.000329	.000329	0	0
46	MP GAMMA1	PZ	.000235	.000235	0	0
47	CONNECTION2 GAMMA	PZ	.000391	.000391	0	0
48	CONNECTION1 GAMMA	PZ	.000391	.000391	0	0
49	TIEBACK ALPHA	PX	.00015	.00015	0	0
50	SUPP ALPHA	PX	.000441	.000441	0	0
51	SR4 ALPHA	PX	3.1e-5	3.1e-5	0	0
52	SR3 ALPHA	PX	3.1e-5	3.1e-5	0	0
53	SR2 ALPHA	PX	3.1e-5	3.1e-5	0	0
54	SR1 ALPHA	PX	3.1e-5	3.1e-5	0	0
55	SO2 ALPHA	PX	.000267	.000267	0	0
56	SO1 ALPHA	PX	.000267	.000267	0	0
57	SO VERT1 ALPHA	PX	.00015	.00015	0	0
58	SO PLATE4 ALPHA	PX	.00057	.00057	0	0
59	SO PLATE3 ALPHA	PX	.00057	.00057	0	0
60	SO PLATE2 ALPHA	PX	.00057	.00057	0	0
61	SO PLATE1 ALPHA	PX	.00057	.00057	0	0
62	MP ALPHA1	PX	.000406	.000406	0	0
63	CONNECTION2 ALPHA	PX	.000677	.000677	0	0
64	CONNECTION1 ALPHA	PX	.000677	.000677	0	0
65	TIEBACK GAMMA	PX	.00015	.00015	0	0
66	SUPP GAMMA	PX	.000441	.000441	0	0
67	SR4 GAMMA	PX	3.1e-5	3.1e-5	0	0
68	SR3 GAMMA	PX	3.1e-5	3.1e-5	0	0
69	SR2 GAMMA	PX	3.1e-5	3.1e-5	0	0
70	SR1 GAMMA	PX	3.1e-5	3.1e-5	0	0
71	SO2 GAMMA	PX	.000267	.000267	0	0
72	SO1 GAMMA	PX	.000267	.000267	0	0
73	SO VERT1 GAMMA	PX	.00015	.00015	0	0
74	SO PLATE4 GAMMA	PX	.00057	.00057	0	0
75	SO PLATE3 GAMMA	PX	.00057	.00057	0	0
76	SO PLATE2 GAMMA	PX	.00057	.00057	0	0
77	SO PLATE1 GAMMA	PX	.00057	.00057	0	0
78	MP GAMMA1	PX	.000406	.000406	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
79	CONNECTION2 GAMMA	PX	.000677	.000677	0	0
80	CONNECTION1 GAMMA	PX	.000677	.000677	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.00015	.00015	0	0
2	SUPP ALPHA	PZ	.000441	.000441	0	0
3	SR4 ALPHA	PZ	3.1e-5	3.1e-5	0	0
4	SR3 ALPHA	PZ	3.1e-5	3.1e-5	0	0
5	SR2 ALPHA	PZ	3.1e-5	3.1e-5	0	0
6	SR1 ALPHA	PZ	3.1e-5	3.1e-5	0	0
7	SO2 ALPHA	PZ	.000267	.000267	0	0
8	SO1 ALPHA	PZ	.000267	.000267	0	0
9	SO VERT1 ALPHA	PZ	.00015	.00015	0	0
10	SO PLATE4 ALPHA	PZ	.00057	.00057	0	0
11	SO PLATE3 ALPHA	PZ	.00057	.00057	0	0
12	SO PLATE2 ALPHA	PZ	.00057	.00057	0	0
13	SO PLATE1 ALPHA	PZ	.00057	.00057	0	0
14	MP ALPHA1	PZ	.000406	.000406	0	0
15	CONNECTION2 ALPHA	PZ	.000677	.000677	0	0
16	CONNECTION1 ALPHA	PZ	.000677	.000677	0	0
17	TIEBACK BETA	PZ	.00015	.00015	0	0
18	SUPP BETA	PZ	.000441	.000441	0	0
19	SR4 BETA	PZ	3.1e-5	3.1e-5	0	0
20	SR3 BETA	PZ	3.1e-5	3.1e-5	0	0
21	SR2 BETA	PZ	3.1e-5	3.1e-5	0	0
22	SR1 BETA	PZ	3.1e-5	3.1e-5	0	0
23	SO2 BETA	PZ	.000267	.000267	0	0
24	SO1 BETA	PZ	.000267	.000267	0	0
25	SO VERT1 BETA	PZ	.00015	.00015	0	0
26	SO PLATE4 BETA	PZ	.00057	.00057	0	0
27	SO PLATE3 BETA	PZ	.00057	.00057	0	0
28	SO PLATE2 BETA	PZ	.00057	.00057	0	0
29	SO PLATE1 BETA	PZ	.00057	.00057	0	0
30	MP BETA1	PZ	.000406	.000406	0	0
31	CONNECTION2 BETA	PZ	.000677	.000677	0	0
32	CONNECTION1 BETA	PZ	.000677	.000677	0	0
33	TIEBACK GAMMA	PX	.000146	.000146	0	0
34	SUPP GAMMA	PX	.000432	.000432	0	0
35	SR4 GAMMA	PX	3.1e-5	3.1e-5	0	0
36	SR3 GAMMA	PX	3.1e-5	3.1e-5	0	0
37	SR2 GAMMA	PX	3.1e-5	3.1e-5	0	0
38	SR1 GAMMA	PX	3.1e-5	3.1e-5	0	0
39	SO2 GAMMA	PX	.000617	.000617	0	0
40	SO1 GAMMA	PX	.000617	.000617	0	0
41	SO VERT1 GAMMA	PX	.000293	.000293	0	0
42	SO PLATE4 GAMMA	PX	.000659	.000659	0	0
43	SO PLATE3 GAMMA	PX	.000659	.000659	0	0
44	SO PLATE2 GAMMA	PX	.000659	.000659	0	0
45	SO PLATE1 GAMMA	PX	.000659	.000659	0	0
46	MP GAMMA1	PX	.000469	.000469	0	0
47	CONNECTION2 GAMMA	PX	.000782	.000782	0	0
48	CONNECTION1 GAMMA	PX	.000782	.000782	0	0
49	TIEBACK ALPHA	PX	8.6e-5	8.6e-5	0	0
50	SUPP ALPHA	PX	.000255	.000255	0	0
51	SR4 ALPHA	PX	1.8e-5	1.8e-5	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
52	SR3 ALPHA	PX	1.8e-5	1.8e-5	0	0
53	SR2 ALPHA	PX	1.8e-5	1.8e-5	0	0
54	SR1 ALPHA	PX	1.8e-5	1.8e-5	0	0
55	SO2 ALPHA	PX	.000154	.000154	0	0
56	SO1 ALPHA	PX	.000154	.000154	0	0
57	SO VERT1 ALPHA	PX	8.6e-5	8.6e-5	0	0
58	SO PLATE4 ALPHA	PX	.000329	.000329	0	0
59	SO PLATE3 ALPHA	PX	.000329	.000329	0	0
60	SO PLATE2 ALPHA	PX	.000329	.000329	0	0
61	SO PLATE1 ALPHA	PX	.000329	.000329	0	0
62	MP ALPHA1	PX	.000235	.000235	0	0
63	CONNECTION2 ALPHA	PX	.000391	.000391	0	0
64	CONNECTION1 ALPHA	PX	.000391	.000391	0	0
65	TIEBACK BETA	PX	8.6e-5	8.6e-5	0	0
66	SUPP BETA	PX	.000255	.000255	0	0
67	SR4 BETA	PX	1.8e-5	1.8e-5	0	0
68	SR3 BETA	PX	1.8e-5	1.8e-5	0	0
69	SR2 BETA	PX	1.8e-5	1.8e-5	0	0
70	SR1 BETA	PX	1.8e-5	1.8e-5	0	0
71	SO2 BETA	PX	.000154	.000154	0	0
72	SO1 BETA	PX	.000154	.000154	0	0
73	SO VERT1 BETA	PX	8.6e-5	8.6e-5	0	0
74	SO PLATE4 BETA	PX	.000329	.000329	0	0
75	SO PLATE3 BETA	PX	.000329	.000329	0	0
76	SO PLATE2 BETA	PX	.000329	.000329	0	0
77	SO PLATE1 BETA	PX	.000329	.000329	0	0
78	MP BETA1	PX	.000235	.000235	0	0
79	CONNECTION2 BETA	PX	.000391	.000391	0	0
80	CONNECTION1 BETA	PX	.000391	.000391	0	0

Member Distributed Loads (BLC 27 : Ice Dead Load)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	Y	-.005	-.005	0	0
2	SUPP ALPHA	Y	-.006	-.006	0	0
3	SR4 ALPHA	Y	-.002	-.002	0	0
4	SR3 ALPHA	Y	-.002	-.002	0	0
5	SR2 ALPHA	Y	-.002	-.002	0	0
6	SR1 ALPHA	Y	-.002	-.002	0	0
7	SO2 ALPHA	Y	-.007	-.007	0	0
8	SO1 ALPHA	Y	-.007	-.007	0	0
9	SO VERT1 ALPHA	Y	-.005	-.005	0	0
10	SO PLATE4 ALPHA	Y	-.006	-.006	0	0
11	SO PLATE3 ALPHA	Y	-.006	-.006	0	0
12	SO PLATE2 ALPHA	Y	-.006	-.006	0	0
13	SO PLATE1 ALPHA	Y	-.006	-.006	0	0
14	MP ALPHA1	Y	-.005	-.005	0	0
15	CONNECTION2 ALPHA	Y	-.012	-.012	0	0
16	CONNECTION1 ALPHA	Y	-.012	-.012	0	0
17	TIEBACK BETA	Y	-.002	-.002	0	0
18	SUPP BETA	Y	-.003	-.003	0	0
19	SR4 BETA	Y	-.001	-.001	0	0
20	SR3 BETA	Y	-.001	-.001	0	0
21	SR2 BETA	Y	-.001	-.001	0	0
22	SR1 BETA	Y	-.001	-.001	0	0
23	SO2 BETA	Y	-.004	-.004	0	0
24	SO1 BETA	Y	-.004	-.004	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
25	SO VERT1 BETA	Y	-.002	-.002	0	0
26	SO PLATE4 BETA	Y	-.003	-.003	0	0
27	SO PLATE3 BETA	Y	-.003	-.003	0	0
28	SO PLATE2 BETA	Y	-.003	-.003	0	0
29	SO PLATE1 BETA	Y	-.003	-.003	0	0
30	MP BETA1	Y	-.002	-.002	0	0
31	CONNECTION2 BETA	Y	-.006	-.006	0	0
32	CONNECTION1 BETA	Y	-.006	-.006	0	0
33	TIEBACK GAMMA	Y	-.002	-.002	0	0
34	SUPP GAMMA	Y	-.003	-.003	0	0
35	SR4 GAMMA	Y	-.001	-.001	0	0
36	SR3 GAMMA	Y	-.001	-.001	0	0
37	SR2 GAMMA	Y	-.001	-.001	0	0
38	SR1 GAMMA	Y	-.001	-.001	0	0
39	SO2 GAMMA	Y	-.004	-.004	0	0
40	SO1 GAMMA	Y	-.004	-.004	0	0
41	SO VERT1 GAMMA	Y	-.002	-.002	0	0
42	SO PLATE4 GAMMA	Y	-.003	-.003	0	0
43	SO PLATE3 GAMMA	Y	-.003	-.003	0	0
44	SO PLATE2 GAMMA	Y	-.003	-.003	0	0
45	SO PLATE1 GAMMA	Y	-.003	-.003	0	0
46	MP GAMMA1	Y	-.002	-.002	0	0
47	CONNECTION2 GAMMA	Y	-.006	-.006	0	0
48	CONNECTION1 GAMMA	Y	-.006	-.006	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000985	.000985	0	0
2	SUPP ALPHA	PZ	.002	.002	0	0
3	SR4 ALPHA	PZ	.000586	.000586	0	0
4	SR3 ALPHA	PZ	.000586	.000586	0	0
5	SR2 ALPHA	PZ	.000586	.000586	0	0
6	SR1 ALPHA	PZ	.000586	.000586	0	0
7	SO2 ALPHA	PZ	.001	.001	0	0
8	SO1 ALPHA	PZ	.001	.001	0	0
9	SO VERT1 ALPHA	PZ	.000985	.000985	0	0
10	SO PLATE4 ALPHA	PZ	.002	.002	0	0
11	SO PLATE3 ALPHA	PZ	.002	.002	0	0
12	SO PLATE2 ALPHA	PZ	.002	.002	0	0
13	SO PLATE1 ALPHA	PZ	.002	.002	0	0
14	MP ALPHA1	PZ	.003	.003	0	0
15	CONNECTION2 ALPHA	PZ	.002	.002	0	0
16	CONNECTION1 ALPHA	PZ	.002	.002	0	0
17	TIEBACK BETA	PZ	.000492	.000492	0	0
18	SUPP BETA	PZ	.001	.001	0	0
19	SR4 BETA	PZ	.000293	.000293	0	0
20	SR3 BETA	PZ	.000293	.000293	0	0
21	SR2 BETA	PZ	.000293	.000293	0	0
22	SR1 BETA	PZ	.000293	.000293	0	0
23	SO2 BETA	PZ	.000582	.000582	0	0
24	SO1 BETA	PZ	.000582	.000582	0	0
25	SO VERT1 BETA	PZ	.000492	.000492	0	0
26	SO PLATE4 BETA	PZ	.001	.001	0	0
27	SO PLATE3 BETA	PZ	.001	.001	0	0
28	SO PLATE2 BETA	PZ	.001	.001	0	0
29	SO PLATE1 BETA	PZ	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
30	MP BETA1	PZ	.001	.001	0	0
31	CONNECTION2 BETA	PZ	.001	.001	0	0
32	CONNECTION1 BETA	PZ	.001	.001	0	0
33	TIEBACK GAMMA	PZ	.000492	.000492	0	0
34	SUPP GAMMA	PZ	.001	.001	0	0
35	SR4 GAMMA	PZ	.000293	.000293	0	0
36	SR3 GAMMA	PZ	.000293	.000293	0	0
37	SR2 GAMMA	PZ	.000293	.000293	0	0
38	SR1 GAMMA	PZ	.000293	.000293	0	0
39	SO2 GAMMA	PZ	.000582	.000582	0	0
40	SO1 GAMMA	PZ	.000582	.000582	0	0
41	SO VERT1 GAMMA	PZ	.000492	.000492	0	0
42	SO PLATE4 GAMMA	PZ	.001	.001	0	0
43	SO PLATE3 GAMMA	PZ	.001	.001	0	0
44	SO PLATE2 GAMMA	PZ	.001	.001	0	0
45	SO PLATE1 GAMMA	PZ	.001	.001	0	0
46	MP GAMMA1	PZ	.001	.001	0	0
47	CONNECTION2 GAMMA	PZ	.001	.001	0	0
48	CONNECTION1 GAMMA	PZ	.001	.001	0	0
49	TIEBACK BETA	PX	.000853	.000853	0	0
50	SUPP BETA	PX	.002	.002	0	0
51	SR4 BETA	PX	.000508	.000508	0	0
52	SR3 BETA	PX	.000508	.000508	0	0
53	SR2 BETA	PX	.000508	.000508	0	0
54	SR1 BETA	PX	.000508	.000508	0	0
55	SO2 BETA	PX	.001	.001	0	0
56	SO1 BETA	PX	.001	.001	0	0
57	SO VERT1 BETA	PX	.000853	.000853	0	0
58	SO PLATE4 BETA	PX	.002	.002	0	0
59	SO PLATE3 BETA	PX	.002	.002	0	0
60	SO PLATE2 BETA	PX	.002	.002	0	0
61	SO PLATE1 BETA	PX	.002	.002	0	0
62	MP BETA1	PX	.002	.002	0	0
63	CONNECTION2 BETA	PX	.002	.002	0	0
64	CONNECTION1 BETA	PX	.002	.002	0	0
65	TIEBACK GAMMA	PX	-.000853	-.000853	0	0
66	SUPP GAMMA	PX	-.002	-.002	0	0
67	SR4 GAMMA	PX	-.000508	-.000508	0	0
68	SR3 GAMMA	PX	-.000508	-.000508	0	0
69	SR2 GAMMA	PX	-.000508	-.000508	0	0
70	SR1 GAMMA	PX	-.000508	-.000508	0	0
71	SO2 GAMMA	PX	-.001	-.001	0	0
72	SO1 GAMMA	PX	-.001	-.001	0	0
73	SO VERT1 GAMMA	PX	-.000853	-.000853	0	0
74	SO PLATE4 GAMMA	PX	-.002	-.002	0	0
75	SO PLATE3 GAMMA	PX	-.002	-.002	0	0
76	SO PLATE2 GAMMA	PX	-.002	-.002	0	0
77	SO PLATE1 GAMMA	PX	-.002	-.002	0	0
78	MP GAMMA1	PX	-.002	-.002	0	0
79	CONNECTION2 GAMMA	PX	-.002	-.002	0	0
80	CONNECTION1 GAMMA	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000853	.000853	0	0
2	SUPP ALPHA	PZ	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
3	SR4 ALPHA	PZ	.000508	.000508	0	0
4	SR3 ALPHA	PZ	.000508	.000508	0	0
5	SR2 ALPHA	PZ	.000508	.000508	0	0
6	SR1 ALPHA	PZ	.000508	.000508	0	0
7	SO2 ALPHA	PZ	.001	.001	0	0
8	SO1 ALPHA	PZ	.001	.001	0	0
9	SO VERT1 ALPHA	PZ	.000853	.000853	0	0
10	SO PLATE4 ALPHA	PZ	.002	.002	0	0
11	SO PLATE3 ALPHA	PZ	.002	.002	0	0
12	SO PLATE2 ALPHA	PZ	.002	.002	0	0
13	SO PLATE1 ALPHA	PZ	.002	.002	0	0
14	MP ALPHA1	PZ	.002	.002	0	0
15	CONNECTION2 ALPHA	PZ	.002	.002	0	0
16	CONNECTION1 ALPHA	PZ	.002	.002	0	0
17	TIEBACK BETA	PX	-.000839	-.000839	0	0
18	SUPP BETA	PX	-.002	-.002	0	0
19	SR4 BETA	PX	-.000499	-.000499	0	0
20	SR3 BETA	PX	-.000499	-.000499	0	0
21	SR2 BETA	PX	-.000499	-.000499	0	0
22	SR1 BETA	PX	-.000499	-.000499	0	0
23	SO2 BETA	PX	-.002	-.002	0	0
24	SO1 BETA	PX	-.002	-.002	0	0
25	SO VERT1 BETA	PX	-.002	-.002	0	0
26	SO PLATE4 BETA	PX	-.002	-.002	0	0
27	SO PLATE3 BETA	PX	-.002	-.002	0	0
28	SO PLATE2 BETA	PX	-.002	-.002	0	0
29	SO PLATE1 BETA	PX	-.002	-.002	0	0
30	MP BETA1	PX	-.003	-.003	0	0
31	CONNECTION2 BETA	PX	-.002	-.002	0	0
32	CONNECTION1 BETA	PX	-.002	-.002	0	0
33	TIEBACK GAMMA	PZ	.000853	.000853	0	0
34	SUPP GAMMA	PZ	.002	.002	0	0
35	SR4 GAMMA	PZ	.000508	.000508	0	0
36	SR3 GAMMA	PZ	.000508	.000508	0	0
37	SR2 GAMMA	PZ	.000508	.000508	0	0
38	SR1 GAMMA	PZ	.000508	.000508	0	0
39	SO2 GAMMA	PZ	.001	.001	0	0
40	SO1 GAMMA	PZ	.001	.001	0	0
41	SO VERT1 GAMMA	PZ	.000853	.000853	0	0
42	SO PLATE4 GAMMA	PZ	.002	.002	0	0
43	SO PLATE3 GAMMA	PZ	.002	.002	0	0
44	SO PLATE2 GAMMA	PZ	.002	.002	0	0
45	SO PLATE1 GAMMA	PZ	.002	.002	0	0
46	MP GAMMA1	PZ	.002	.002	0	0
47	CONNECTION2 GAMMA	PZ	.002	.002	0	0
48	CONNECTION1 GAMMA	PZ	.002	.002	0	0
49	TIEBACK ALPHA	PX	-.000492	-.000492	0	0
50	SUPP ALPHA	PX	-.001	-.001	0	0
51	SR4 ALPHA	PX	-.000293	-.000293	0	0
52	SR3 ALPHA	PX	-.000293	-.000293	0	0
53	SR2 ALPHA	PX	-.000293	-.000293	0	0
54	SR1 ALPHA	PX	-.000293	-.000293	0	0
55	SO2 ALPHA	PX	-.000582	-.000582	0	0
56	SO1 ALPHA	PX	-.000582	-.000582	0	0
57	SO VERT1 ALPHA	PX	-.000492	-.000492	0	0
58	SO PLATE4 ALPHA	PX	-.001	-.001	0	0
59	SO PLATE3 ALPHA	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
60	SO PLATE2 ALPHA	PX	-.001	-.001	0	0
61	SO PLATE1 ALPHA	PX	-.001	-.001	0	0
62	MP ALPHA1	PX	-.001	-.001	0	0
63	CONNECTION2 ALPHA	PX	-.001	-.001	0	0
64	CONNECTION1 ALPHA	PX	-.001	-.001	0	0
65	TIEBACK GAMMA	PX	-.000492	-.000492	0	0
66	SUPP GAMMA	PX	-.001	-.001	0	0
67	SR4 GAMMA	PX	-.000293	-.000293	0	0
68	SR3 GAMMA	PX	-.000293	-.000293	0	0
69	SR2 GAMMA	PX	-.000293	-.000293	0	0
70	SR1 GAMMA	PX	-.000293	-.000293	0	0
71	SO2 GAMMA	PX	-.000582	-.000582	0	0
72	SO1 GAMMA	PX	-.000582	-.000582	0	0
73	SO VERT1 GAMMA	PX	-.000492	-.000492	0	0
74	SO PLATE4 GAMMA	PX	-.001	-.001	0	0
75	SO PLATE3 GAMMA	PX	-.001	-.001	0	0
76	SO PLATE2 GAMMA	PX	-.001	-.001	0	0
77	SO PLATE1 GAMMA	PX	-.001	-.001	0	0
78	MP GAMMA1	PX	-.001	-.001	0	0
79	CONNECTION2 GAMMA	PX	-.001	-.001	0	0
80	CONNECTION1 GAMMA	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000492	.000492	0	0
2	SUPP ALPHA	PZ	.001	.001	0	0
3	SR4 ALPHA	PZ	.000293	.000293	0	0
4	SR3 ALPHA	PZ	.000293	.000293	0	0
5	SR2 ALPHA	PZ	.000293	.000293	0	0
6	SR1 ALPHA	PZ	.000293	.000293	0	0
7	SO2 ALPHA	PZ	.000582	.000582	0	0
8	SO1 ALPHA	PZ	.000582	.000582	0	0
9	SO VERT1 ALPHA	PZ	.000492	.000492	0	0
10	SO PLATE4 ALPHA	PZ	.001	.001	0	0
11	SO PLATE3 ALPHA	PZ	.001	.001	0	0
12	SO PLATE2 ALPHA	PZ	.001	.001	0	0
13	SO PLATE1 ALPHA	PZ	.001	.001	0	0
14	MP ALPHA1	PZ	.001	.001	0	0
15	CONNECTION2 ALPHA	PZ	.001	.001	0	0
16	CONNECTION1 ALPHA	PZ	.001	.001	0	0
17	TIEBACK BETA	PZ	.000492	.000492	0	0
18	SUPP BETA	PZ	.001	.001	0	0
19	SR4 BETA	PZ	.000293	.000293	0	0
20	SR3 BETA	PZ	.000293	.000293	0	0
21	SR2 BETA	PZ	.000293	.000293	0	0
22	SR1 BETA	PZ	.000293	.000293	0	0
23	SO2 BETA	PZ	.000582	.000582	0	0
24	SO1 BETA	PZ	.000582	.000582	0	0
25	SO VERT1 BETA	PZ	.000492	.000492	0	0
26	SO PLATE4 BETA	PZ	.001	.001	0	0
27	SO PLATE3 BETA	PZ	.001	.001	0	0
28	SO PLATE2 BETA	PZ	.001	.001	0	0
29	SO PLATE1 BETA	PZ	.001	.001	0	0
30	MP BETA1	PZ	.001	.001	0	0
31	CONNECTION2 BETA	PZ	.001	.001	0	0
32	CONNECTION1 BETA	PZ	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
33	TIEBACK GAMMA	PZ	.000985	.000985	0	0
34	SUPP GAMMA	PZ	.002	.002	0	0
35	SR4 GAMMA	PZ	.000586	.000586	0	0
36	SR3 GAMMA	PZ	.000586	.000586	0	0
37	SR2 GAMMA	PZ	.000586	.000586	0	0
38	SR1 GAMMA	PZ	.000586	.000586	0	0
39	SO2 GAMMA	PZ	.001	.001	0	0
40	SO1 GAMMA	PZ	.001	.001	0	0
41	SO VERT1 GAMMA	PZ	.000985	.000985	0	0
42	SO PLATE4 GAMMA	PZ	.002	.002	0	0
43	SO PLATE3 GAMMA	PZ	.002	.002	0	0
44	SO PLATE2 GAMMA	PZ	.002	.002	0	0
45	SO PLATE1 GAMMA	PZ	.002	.002	0	0
46	MP GAMMA1	PZ	.003	.003	0	0
47	CONNECTION2 GAMMA	PZ	.002	.002	0	0
48	CONNECTION1 GAMMA	PZ	.002	.002	0	0
49	TIEBACK ALPHA	PX	-.000853	-.000853	0	0
50	SUPP ALPHA	PX	-.002	-.002	0	0
51	SR4 ALPHA	PX	-.000508	-.000508	0	0
52	SR3 ALPHA	PX	-.000508	-.000508	0	0
53	SR2 ALPHA	PX	-.000508	-.000508	0	0
54	SR1 ALPHA	PX	-.000508	-.000508	0	0
55	SO2 ALPHA	PX	-.001	-.001	0	0
56	SO1 ALPHA	PX	-.001	-.001	0	0
57	SO VERT1 ALPHA	PX	-.000853	-.000853	0	0
58	SO PLATE4 ALPHA	PX	-.002	-.002	0	0
59	SO PLATE3 ALPHA	PX	-.002	-.002	0	0
60	SO PLATE2 ALPHA	PX	-.002	-.002	0	0
61	SO PLATE1 ALPHA	PX	-.002	-.002	0	0
62	MP ALPHA1	PX	-.002	-.002	0	0
63	CONNECTION2 ALPHA	PX	-.002	-.002	0	0
64	CONNECTION1 ALPHA	PX	-.002	-.002	0	0
65	TIEBACK BETA	PX	-.000853	-.000853	0	0
66	SUPP BETA	PX	-.002	-.002	0	0
67	SR4 BETA	PX	-.000508	-.000508	0	0
68	SR3 BETA	PX	-.000508	-.000508	0	0
69	SR2 BETA	PX	-.000508	-.000508	0	0
70	SR1 BETA	PX	-.000508	-.000508	0	0
71	SO2 BETA	PX	-.001	-.001	0	0
72	SO1 BETA	PX	-.001	-.001	0	0
73	SO VERT1 BETA	PX	-.000853	-.000853	0	0
74	SO PLATE4 BETA	PX	-.002	-.002	0	0
75	SO PLATE3 BETA	PX	-.002	-.002	0	0
76	SO PLATE2 BETA	PX	-.002	-.002	0	0
77	SO PLATE1 BETA	PX	-.002	-.002	0	0
78	MP BETA1	PX	-.002	-.002	0	0
79	CONNECTION2 BETA	PX	-.002	-.002	0	0
80	CONNECTION1 BETA	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	-.000839	-.000839	0	0
2	SUPP ALPHA	PX	-.002	-.002	0	0
3	SR4 ALPHA	PX	-.000499	-.000499	0	0
4	SR3 ALPHA	PX	-.000499	-.000499	0	0
5	SR2 ALPHA	PX	-.000499	-.000499	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
6	SR1 ALPHA	PX	-.000499	-.000499	0	0
7	SO2 ALPHA	PX	-.002	-.002	0	0
8	SO1 ALPHA	PX	-.002	-.002	0	0
9	SO VERT1 ALPHA	PX	-.002	-.002	0	0
10	SO PLATE4 ALPHA	PX	-.002	-.002	0	0
11	SO PLATE3 ALPHA	PX	-.002	-.002	0	0
12	SO PLATE2 ALPHA	PX	-.002	-.002	0	0
13	SO PLATE1 ALPHA	PX	-.002	-.002	0	0
14	MP ALPHA1	PX	-.003	-.003	0	0
15	CONNECTION2 ALPHA	PX	-.002	-.002	0	0
16	CONNECTION1 ALPHA	PX	-.002	-.002	0	0
17	TIEBACK BETA	PZ	-.000853	-.000853	0	0
18	SUPP BETA	PZ	-.002	-.002	0	0
19	SR4 BETA	PZ	-.000508	-.000508	0	0
20	SR3 BETA	PZ	-.000508	-.000508	0	0
21	SR2 BETA	PZ	-.000508	-.000508	0	0
22	SR1 BETA	PZ	-.000508	-.000508	0	0
23	SO2 BETA	PZ	-.001	-.001	0	0
24	SO1 BETA	PZ	-.001	-.001	0	0
25	SO VERT1 BETA	PZ	-.000853	-.000853	0	0
26	SO PLATE4 BETA	PZ	-.002	-.002	0	0
27	SO PLATE3 BETA	PZ	-.002	-.002	0	0
28	SO PLATE2 BETA	PZ	-.002	-.002	0	0
29	SO PLATE1 BETA	PZ	-.002	-.002	0	0
30	MP BETA1	PZ	-.002	-.002	0	0
31	CONNECTION2 BETA	PZ	-.002	-.002	0	0
32	CONNECTION1 BETA	PZ	-.002	-.002	0	0
33	TIEBACK GAMMA	PZ	.000853	.000853	0	0
34	SUPP GAMMA	PZ	.002	.002	0	0
35	SR4 GAMMA	PZ	.000508	.000508	0	0
36	SR3 GAMMA	PZ	.000508	.000508	0	0
37	SR2 GAMMA	PZ	.000508	.000508	0	0
38	SR1 GAMMA	PZ	.000508	.000508	0	0
39	SO2 GAMMA	PZ	.001	.001	0	0
40	SO1 GAMMA	PZ	.001	.001	0	0
41	SO VERT1 GAMMA	PZ	.000853	.000853	0	0
42	SO PLATE4 GAMMA	PZ	.002	.002	0	0
43	SO PLATE3 GAMMA	PZ	.002	.002	0	0
44	SO PLATE2 GAMMA	PZ	.002	.002	0	0
45	SO PLATE1 GAMMA	PZ	.002	.002	0	0
46	MP GAMMA1	PZ	.002	.002	0	0
47	CONNECTION2 GAMMA	PZ	.002	.002	0	0
48	CONNECTION1 GAMMA	PZ	.002	.002	0	0
49	TIEBACK BETA	PX	-.000492	-.000492	0	0
50	SUPP BETA	PX	-.001	-.001	0	0
51	SR4 BETA	PX	-.000293	-.000293	0	0
52	SR3 BETA	PX	-.000293	-.000293	0	0
53	SR2 BETA	PX	-.000293	-.000293	0	0
54	SR1 BETA	PX	-.000293	-.000293	0	0
55	SO2 BETA	PX	-.000582	-.000582	0	0
56	SO1 BETA	PX	-.000582	-.000582	0	0
57	SO VERT1 BETA	PX	-.000492	-.000492	0	0
58	SO PLATE4 BETA	PX	-.001	-.001	0	0
59	SO PLATE3 BETA	PX	-.001	-.001	0	0
60	SO PLATE2 BETA	PX	-.001	-.001	0	0
61	SO PLATE1 BETA	PX	-.001	-.001	0	0
62	MP BETA1	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
63	CONNECTION2 BETA	PX	-.001	-.001	0	0
64	CONNECTION1 BETA	PX	-.001	-.001	0	0
65	TIEBACK GAMMA	PX	-.000492	-.000492	0	0
66	SUPP GAMMA	PX	-.001	-.001	0	0
67	SR4 GAMMA	PX	-.000293	-.000293	0	0
68	SR3 GAMMA	PX	-.000293	-.000293	0	0
69	SR2 GAMMA	PX	-.000293	-.000293	0	0
70	SR1 GAMMA	PX	-.000293	-.000293	0	0
71	SO2 GAMMA	PX	-.000582	-.000582	0	0
72	SO1 GAMMA	PX	-.000582	-.000582	0	0
73	SO VERT1 GAMMA	PX	-.000492	-.000492	0	0
74	SO PLATE4 GAMMA	PX	-.001	-.001	0	0
75	SO PLATE3 GAMMA	PX	-.001	-.001	0	0
76	SO PLATE2 GAMMA	PX	-.001	-.001	0	0
77	SO PLATE1 GAMMA	PX	-.001	-.001	0	0
78	MP GAMMA1	PX	-.001	-.001	0	0
79	CONNECTION2 GAMMA	PX	-.001	-.001	0	0
80	CONNECTION1 GAMMA	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000492	-.000492	0	0
2	SUPP ALPHA	PZ	-.001	-.001	0	0
3	SR4 ALPHA	PZ	-.000293	-.000293	0	0
4	SR3 ALPHA	PZ	-.000293	-.000293	0	0
5	SR2 ALPHA	PZ	-.000293	-.000293	0	0
6	SR1 ALPHA	PZ	-.000293	-.000293	0	0
7	SO2 ALPHA	PZ	-.000582	-.000582	0	0
8	SO1 ALPHA	PZ	-.000582	-.000582	0	0
9	SO VERT1 ALPHA	PZ	-.000492	-.000492	0	0
10	SO PLATE4 ALPHA	PZ	-.001	-.001	0	0
11	SO PLATE3 ALPHA	PZ	-.001	-.001	0	0
12	SO PLATE2 ALPHA	PZ	-.001	-.001	0	0
13	SO PLATE1 ALPHA	PZ	-.001	-.001	0	0
14	MP ALPHA1	PZ	-.001	-.001	0	0
15	CONNECTION2 ALPHA	PZ	-.001	-.001	0	0
16	CONNECTION1 ALPHA	PZ	-.001	-.001	0	0
17	TIEBACK BETA	PZ	-.000985	-.000985	0	0
18	SUPP BETA	PZ	-.002	-.002	0	0
19	SR4 BETA	PZ	-.000586	-.000586	0	0
20	SR3 BETA	PZ	-.000586	-.000586	0	0
21	SR2 BETA	PZ	-.000586	-.000586	0	0
22	SR1 BETA	PZ	-.000586	-.000586	0	0
23	SO2 BETA	PZ	-.001	-.001	0	0
24	SO1 BETA	PZ	-.001	-.001	0	0
25	SO VERT1 BETA	PZ	-.000985	-.000985	0	0
26	SO PLATE4 BETA	PZ	-.002	-.002	0	0
27	SO PLATE3 BETA	PZ	-.002	-.002	0	0
28	SO PLATE2 BETA	PZ	-.002	-.002	0	0
29	SO PLATE1 BETA	PZ	-.002	-.002	0	0
30	MP BETA1	PZ	-.003	-.003	0	0
31	CONNECTION2 BETA	PZ	-.002	-.002	0	0
32	CONNECTION1 BETA	PZ	-.002	-.002	0	0
33	TIEBACK GAMMA	PZ	-.000492	-.000492	0	0
34	SUPP GAMMA	PZ	-.001	-.001	0	0
35	SR4 GAMMA	PZ	-.000293	-.000293	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
36	SR3 GAMMA	PZ	-.000293	-.000293	0	0
37	SR2 GAMMA	PZ	-.000293	-.000293	0	0
38	SR1 GAMMA	PZ	-.000293	-.000293	0	0
39	SO2 GAMMA	PZ	-.000582	-.000582	0	0
40	SO1 GAMMA	PZ	-.000582	-.000582	0	0
41	SO VERT1 GAMMA	PZ	-.000492	-.000492	0	0
42	SO PLATE4 GAMMA	PZ	-.001	-.001	0	0
43	SO PLATE3 GAMMA	PZ	-.001	-.001	0	0
44	SO PLATE2 GAMMA	PZ	-.001	-.001	0	0
45	SO PLATE1 GAMMA	PZ	-.001	-.001	0	0
46	MP GAMMA1	PZ	-.001	-.001	0	0
47	CONNECTION2 GAMMA	PZ	-.001	-.001	0	0
48	CONNECTION1 GAMMA	PZ	-.001	-.001	0	0
49	TIEBACK ALPHA	PX	-.000853	-.000853	0	0
50	SUPP ALPHA	PX	-.002	-.002	0	0
51	SR4 ALPHA	PX	-.000508	-.000508	0	0
52	SR3 ALPHA	PX	-.000508	-.000508	0	0
53	SR2 ALPHA	PX	-.000508	-.000508	0	0
54	SR1 ALPHA	PX	-.000508	-.000508	0	0
55	SO2 ALPHA	PX	-.001	-.001	0	0
56	SO1 ALPHA	PX	-.001	-.001	0	0
57	SO VERT1 ALPHA	PX	-.000853	-.000853	0	0
58	SO PLATE4 ALPHA	PX	-.002	-.002	0	0
59	SO PLATE3 ALPHA	PX	-.002	-.002	0	0
60	SO PLATE2 ALPHA	PX	-.002	-.002	0	0
61	SO PLATE1 ALPHA	PX	-.002	-.002	0	0
62	MP ALPHA1	PX	-.002	-.002	0	0
63	CONNECTION2 ALPHA	PX	-.002	-.002	0	0
64	CONNECTION1 ALPHA	PX	-.002	-.002	0	0
65	TIEBACK GAMMA	PX	-.000853	-.000853	0	0
66	SUPP GAMMA	PX	-.002	-.002	0	0
67	SR4 GAMMA	PX	-.000508	-.000508	0	0
68	SR3 GAMMA	PX	-.000508	-.000508	0	0
69	SR2 GAMMA	PX	-.000508	-.000508	0	0
70	SR1 GAMMA	PX	-.000508	-.000508	0	0
71	SO2 GAMMA	PX	-.001	-.001	0	0
72	SO1 GAMMA	PX	-.001	-.001	0	0
73	SO VERT1 GAMMA	PX	-.000853	-.000853	0	0
74	SO PLATE4 GAMMA	PX	-.002	-.002	0	0
75	SO PLATE3 GAMMA	PX	-.002	-.002	0	0
76	SO PLATE2 GAMMA	PX	-.002	-.002	0	0
77	SO PLATE1 GAMMA	PX	-.002	-.002	0	0
78	MP GAMMA1	PX	-.002	-.002	0	0
79	CONNECTION2 GAMMA	PX	-.002	-.002	0	0
80	CONNECTION1 GAMMA	PX	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000853	-.000853	0	0
2	SUPP ALPHA	PZ	-.002	-.002	0	0
3	SR4 ALPHA	PZ	-.000508	-.000508	0	0
4	SR3 ALPHA	PZ	-.000508	-.000508	0	0
5	SR2 ALPHA	PZ	-.000508	-.000508	0	0
6	SR1 ALPHA	PZ	-.000508	-.000508	0	0
7	SO2 ALPHA	PZ	-.001	-.001	0	0
8	SO1 ALPHA	PZ	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
9	SO VERT1 ALPHA	PZ	-.000853	-.000853	0	0
10	SO PLATE4 ALPHA	PZ	-.002	-.002	0	0
11	SO PLATE3 ALPHA	PZ	-.002	-.002	0	0
12	SO PLATE2 ALPHA	PZ	-.002	-.002	0	0
13	SO PLATE1 ALPHA	PZ	-.002	-.002	0	0
14	MP ALPHA1	PZ	-.002	-.002	0	0
15	CONNECTION2 ALPHA	PZ	-.002	-.002	0	0
16	CONNECTION1 ALPHA	PZ	-.002	-.002	0	0
17	TIEBACK BETA	PZ	-.000853	-.000853	0	0
18	SUPP BETA	PZ	-.002	-.002	0	0
19	SR4 BETA	PZ	-.000508	-.000508	0	0
20	SR3 BETA	PZ	-.000508	-.000508	0	0
21	SR2 BETA	PZ	-.000508	-.000508	0	0
22	SR1 BETA	PZ	-.000508	-.000508	0	0
23	SO2 BETA	PZ	-.001	-.001	0	0
24	SO1 BETA	PZ	-.001	-.001	0	0
25	SO VERT1 BETA	PZ	-.000853	-.000853	0	0
26	SO PLATE4 BETA	PZ	-.002	-.002	0	0
27	SO PLATE3 BETA	PZ	-.002	-.002	0	0
28	SO PLATE2 BETA	PZ	-.002	-.002	0	0
29	SO PLATE1 BETA	PZ	-.002	-.002	0	0
30	MP BETA1	PZ	-.002	-.002	0	0
31	CONNECTION2 BETA	PZ	-.002	-.002	0	0
32	CONNECTION1 BETA	PZ	-.002	-.002	0	0
33	TIEBACK GAMMA	PX	-.000839	-.000839	0	0
34	SUPP GAMMA	PX	-.002	-.002	0	0
35	SR4 GAMMA	PX	-.000499	-.000499	0	0
36	SR3 GAMMA	PX	-.000499	-.000499	0	0
37	SR2 GAMMA	PX	-.000499	-.000499	0	0
38	SR1 GAMMA	PX	-.000499	-.000499	0	0
39	SO2 GAMMA	PX	-.002	-.002	0	0
40	SO1 GAMMA	PX	-.002	-.002	0	0
41	SO VERT1 GAMMA	PX	-.002	-.002	0	0
42	SO PLATE4 GAMMA	PX	-.002	-.002	0	0
43	SO PLATE3 GAMMA	PX	-.002	-.002	0	0
44	SO PLATE2 GAMMA	PX	-.002	-.002	0	0
45	SO PLATE1 GAMMA	PX	-.002	-.002	0	0
46	MP GAMMA1	PX	-.003	-.003	0	0
47	CONNECTION2 GAMMA	PX	-.002	-.002	0	0
48	CONNECTION1 GAMMA	PX	-.002	-.002	0	0
49	TIEBACK ALPHA	PX	-.000492	-.000492	0	0
50	SUPP ALPHA	PX	-.001	-.001	0	0
51	SR4 ALPHA	PX	-.000293	-.000293	0	0
52	SR3 ALPHA	PX	-.000293	-.000293	0	0
53	SR2 ALPHA	PX	-.000293	-.000293	0	0
54	SR1 ALPHA	PX	-.000293	-.000293	0	0
55	SO2 ALPHA	PX	-.000582	-.000582	0	0
56	SO1 ALPHA	PX	-.000582	-.000582	0	0
57	SO VERT1 ALPHA	PX	-.000492	-.000492	0	0
58	SO PLATE4 ALPHA	PX	-.001	-.001	0	0
59	SO PLATE3 ALPHA	PX	-.001	-.001	0	0
60	SO PLATE2 ALPHA	PX	-.001	-.001	0	0
61	SO PLATE1 ALPHA	PX	-.001	-.001	0	0
62	MP ALPHA1	PX	-.001	-.001	0	0
63	CONNECTION2 ALPHA	PX	-.001	-.001	0	0
64	CONNECTION1 ALPHA	PX	-.001	-.001	0	0
65	TIEBACK BETA	PX	-.000492	-.000492	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
66	SUPP BETA	PX	-.001	-.001	0	0
67	SR4 BETA	PX	-.000293	-.000293	0	0
68	SR3 BETA	PX	-.000293	-.000293	0	0
69	SR2 BETA	PX	-.000293	-.000293	0	0
70	SR1 BETA	PX	-.000293	-.000293	0	0
71	SO2 BETA	PX	-.000582	-.000582	0	0
72	SO1 BETA	PX	-.000582	-.000582	0	0
73	SO VERT1 BETA	PX	-.000492	-.000492	0	0
74	SO PLATE4 BETA	PX	-.001	-.001	0	0
75	SO PLATE3 BETA	PX	-.001	-.001	0	0
76	SO PLATE2 BETA	PX	-.001	-.001	0	0
77	SO PLATE1 BETA	PX	-.001	-.001	0	0
78	MP BETA1	PX	-.001	-.001	0	0
79	CONNECTION2 BETA	PX	-.001	-.001	0	0
80	CONNECTION1 BETA	PX	-.001	-.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000985	-.000985	0	0
2	SUPP ALPHA	PZ	-.002	-.002	0	0
3	SR4 ALPHA	PZ	-.000586	-.000586	0	0
4	SR3 ALPHA	PZ	-.000586	-.000586	0	0
5	SR2 ALPHA	PZ	-.000586	-.000586	0	0
6	SR1 ALPHA	PZ	-.000586	-.000586	0	0
7	SO2 ALPHA	PZ	-.001	-.001	0	0
8	SO1 ALPHA	PZ	-.001	-.001	0	0
9	SO VERT1 ALPHA	PZ	-.000985	-.000985	0	0
10	SO PLATE4 ALPHA	PZ	-.002	-.002	0	0
11	SO PLATE3 ALPHA	PZ	-.002	-.002	0	0
12	SO PLATE2 ALPHA	PZ	-.002	-.002	0	0
13	SO PLATE1 ALPHA	PZ	-.002	-.002	0	0
14	MP ALPHA1	PZ	-.003	-.003	0	0
15	CONNECTION2 ALPHA	PZ	-.002	-.002	0	0
16	CONNECTION1 ALPHA	PZ	-.002	-.002	0	0
17	TIEBACK BETA	PZ	-.000492	-.000492	0	0
18	SUPP BETA	PZ	-.001	-.001	0	0
19	SR4 BETA	PZ	-.000293	-.000293	0	0
20	SR3 BETA	PZ	-.000293	-.000293	0	0
21	SR2 BETA	PZ	-.000293	-.000293	0	0
22	SR1 BETA	PZ	-.000293	-.000293	0	0
23	SO2 BETA	PZ	-.000582	-.000582	0	0
24	SO1 BETA	PZ	-.000582	-.000582	0	0
25	SO VERT1 BETA	PZ	-.000492	-.000492	0	0
26	SO PLATE4 BETA	PZ	-.001	-.001	0	0
27	SO PLATE3 BETA	PZ	-.001	-.001	0	0
28	SO PLATE2 BETA	PZ	-.001	-.001	0	0
29	SO PLATE1 BETA	PZ	-.001	-.001	0	0
30	MP BETA1	PZ	-.001	-.001	0	0
31	CONNECTION2 BETA	PZ	-.001	-.001	0	0
32	CONNECTION1 BETA	PZ	-.001	-.001	0	0
33	TIEBACK GAMMA	PZ	-.000492	-.000492	0	0
34	SUPP GAMMA	PZ	-.001	-.001	0	0
35	SR4 GAMMA	PZ	-.000293	-.000293	0	0
36	SR3 GAMMA	PZ	-.000293	-.000293	0	0
37	SR2 GAMMA	PZ	-.000293	-.000293	0	0
38	SR1 GAMMA	PZ	-.000293	-.000293	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
39	SO2 GAMMA	PZ	-.000582	-.000582	0	0
40	SO1 GAMMA	PZ	-.000582	-.000582	0	0
41	SO VERT1 GAMMA	PZ	-.000492	-.000492	0	0
42	SO PLATE4 GAMMA	PZ	-.001	-.001	0	0
43	SO PLATE3 GAMMA	PZ	-.001	-.001	0	0
44	SO PLATE2 GAMMA	PZ	-.001	-.001	0	0
45	SO PLATE1 GAMMA	PZ	-.001	-.001	0	0
46	MP GAMMA1	PZ	-.001	-.001	0	0
47	CONNECTION2 GAMMA	PZ	-.001	-.001	0	0
48	CONNECTION1 GAMMA	PZ	-.001	-.001	0	0
49	TIEBACK BETA	PX	-.000853	-.000853	0	0
50	SUPP BETA	PX	-.002	-.002	0	0
51	SR4 BETA	PX	-.000508	-.000508	0	0
52	SR3 BETA	PX	-.000508	-.000508	0	0
53	SR2 BETA	PX	-.000508	-.000508	0	0
54	SR1 BETA	PX	-.000508	-.000508	0	0
55	SO2 BETA	PX	-.001	-.001	0	0
56	SO1 BETA	PX	-.001	-.001	0	0
57	SO VERT1 BETA	PX	-.000853	-.000853	0	0
58	SO PLATE4 BETA	PX	-.002	-.002	0	0
59	SO PLATE3 BETA	PX	-.002	-.002	0	0
60	SO PLATE2 BETA	PX	-.002	-.002	0	0
61	SO PLATE1 BETA	PX	-.002	-.002	0	0
62	MP BETA1	PX	-.002	-.002	0	0
63	CONNECTION2 BETA	PX	-.002	-.002	0	0
64	CONNECTION1 BETA	PX	-.002	-.002	0	0
65	TIEBACK GAMMA	PX	.000853	.000853	0	0
66	SUPP GAMMA	PX	.002	.002	0	0
67	SR4 GAMMA	PX	.000508	.000508	0	0
68	SR3 GAMMA	PX	.000508	.000508	0	0
69	SR2 GAMMA	PX	.000508	.000508	0	0
70	SR1 GAMMA	PX	.000508	.000508	0	0
71	SO2 GAMMA	PX	.001	.001	0	0
72	SO1 GAMMA	PX	.001	.001	0	0
73	SO VERT1 GAMMA	PX	.000853	.000853	0	0
74	SO PLATE4 GAMMA	PX	.002	.002	0	0
75	SO PLATE3 GAMMA	PX	.002	.002	0	0
76	SO PLATE2 GAMMA	PX	.002	.002	0	0
77	SO PLATE1 GAMMA	PX	.002	.002	0	0
78	MP GAMMA1	PX	.002	.002	0	0
79	CONNECTION2 GAMMA	PX	.002	.002	0	0
80	CONNECTION1 GAMMA	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000853	-.000853	0	0
2	SUPP ALPHA	PZ	-.002	-.002	0	0
3	SR4 ALPHA	PZ	-.000508	-.000508	0	0
4	SR3 ALPHA	PZ	-.000508	-.000508	0	0
5	SR2 ALPHA	PZ	-.000508	-.000508	0	0
6	SR1 ALPHA	PZ	-.000508	-.000508	0	0
7	SO2 ALPHA	PZ	-.001	-.001	0	0
8	SO1 ALPHA	PZ	-.001	-.001	0	0
9	SO VERT1 ALPHA	PZ	-.000853	-.000853	0	0
10	SO PLATE4 ALPHA	PZ	-.002	-.002	0	0
11	SO PLATE3 ALPHA	PZ	-.002	-.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
12	SO PLATE2 ALPHA	PZ	-.002	-.002	0	0
13	SO PLATE1 ALPHA	PZ	-.002	-.002	0	0
14	MP ALPHA1	PZ	-.002	-.002	0	0
15	CONNECTION2 ALPHA	PZ	-.002	-.002	0	0
16	CONNECTION1 ALPHA	PZ	-.002	-.002	0	0
17	TIEBACK BETA	PX	.000839	.000839	0	0
18	SUPP BETA	PX	.002	.002	0	0
19	SR4 BETA	PX	.000499	.000499	0	0
20	SR3 BETA	PX	.000499	.000499	0	0
21	SR2 BETA	PX	.000499	.000499	0	0
22	SR1 BETA	PX	.000499	.000499	0	0
23	SO2 BETA	PX	.002	.002	0	0
24	SO1 BETA	PX	.002	.002	0	0
25	SO VERT1 BETA	PX	.002	.002	0	0
26	SO PLATE4 BETA	PX	.002	.002	0	0
27	SO PLATE3 BETA	PX	.002	.002	0	0
28	SO PLATE2 BETA	PX	.002	.002	0	0
29	SO PLATE1 BETA	PX	.002	.002	0	0
30	MP BETA1	PX	.003	.003	0	0
31	CONNECTION2 BETA	PX	.002	.002	0	0
32	CONNECTION1 BETA	PX	.002	.002	0	0
33	TIEBACK GAMMA	PZ	-.000853	-.000853	0	0
34	SUPP GAMMA	PZ	-.002	-.002	0	0
35	SR4 GAMMA	PZ	-.000508	-.000508	0	0
36	SR3 GAMMA	PZ	-.000508	-.000508	0	0
37	SR2 GAMMA	PZ	-.000508	-.000508	0	0
38	SR1 GAMMA	PZ	-.000508	-.000508	0	0
39	SO2 GAMMA	PZ	-.001	-.001	0	0
40	SO1 GAMMA	PZ	-.001	-.001	0	0
41	SO VERT1 GAMMA	PZ	-.000853	-.000853	0	0
42	SO PLATE4 GAMMA	PZ	-.002	-.002	0	0
43	SO PLATE3 GAMMA	PZ	-.002	-.002	0	0
44	SO PLATE2 GAMMA	PZ	-.002	-.002	0	0
45	SO PLATE1 GAMMA	PZ	-.002	-.002	0	0
46	MP GAMMA1	PZ	-.002	-.002	0	0
47	CONNECTION2 GAMMA	PZ	-.002	-.002	0	0
48	CONNECTION1 GAMMA	PZ	-.002	-.002	0	0
49	TIEBACK ALPHA	PX	.000492	.000492	0	0
50	SUPP ALPHA	PX	.001	.001	0	0
51	SR4 ALPHA	PX	.000293	.000293	0	0
52	SR3 ALPHA	PX	.000293	.000293	0	0
53	SR2 ALPHA	PX	.000293	.000293	0	0
54	SR1 ALPHA	PX	.000293	.000293	0	0
55	SO2 ALPHA	PX	.000582	.000582	0	0
56	SO1 ALPHA	PX	.000582	.000582	0	0
57	SO VERT1 ALPHA	PX	.000492	.000492	0	0
58	SO PLATE4 ALPHA	PX	.001	.001	0	0
59	SO PLATE3 ALPHA	PX	.001	.001	0	0
60	SO PLATE2 ALPHA	PX	.001	.001	0	0
61	SO PLATE1 ALPHA	PX	.001	.001	0	0
62	MP ALPHA1	PX	.001	.001	0	0
63	CONNECTION2 ALPHA	PX	.001	.001	0	0
64	CONNECTION1 ALPHA	PX	.001	.001	0	0
65	TIEBACK GAMMA	PX	.000492	.000492	0	0
66	SUPP GAMMA	PX	.001	.001	0	0
67	SR4 GAMMA	PX	.000293	.000293	0	0
68	SR3 GAMMA	PX	.000293	.000293	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
69	SR2 GAMMA	PX	.000293	.000293	0	0
70	SR1 GAMMA	PX	.000293	.000293	0	0
71	SO2 GAMMA	PX	.000582	.000582	0	0
72	SO1 GAMMA	PX	.000582	.000582	0	0
73	SO VERT1 GAMMA	PX	.000492	.000492	0	0
74	SO PLATE4 GAMMA	PX	.001	.001	0	0
75	SO PLATE3 GAMMA	PX	.001	.001	0	0
76	SO PLATE2 GAMMA	PX	.001	.001	0	0
77	SO PLATE1 GAMMA	PX	.001	.001	0	0
78	MP GAMMA1	PX	.001	.001	0	0
79	CONNECTION2 GAMMA	PX	.001	.001	0	0
80	CONNECTION1 GAMMA	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	-.000492	-.000492	0	0
2	SUPP ALPHA	PZ	-.001	-.001	0	0
3	SR4 ALPHA	PZ	-.000293	-.000293	0	0
4	SR3 ALPHA	PZ	-.000293	-.000293	0	0
5	SR2 ALPHA	PZ	-.000293	-.000293	0	0
6	SR1 ALPHA	PZ	-.000293	-.000293	0	0
7	SO2 ALPHA	PZ	-.000582	-.000582	0	0
8	SO1 ALPHA	PZ	-.000582	-.000582	0	0
9	SO VERT1 ALPHA	PZ	-.000492	-.000492	0	0
10	SO PLATE4 ALPHA	PZ	-.001	-.001	0	0
11	SO PLATE3 ALPHA	PZ	-.001	-.001	0	0
12	SO PLATE2 ALPHA	PZ	-.001	-.001	0	0
13	SO PLATE1 ALPHA	PZ	-.001	-.001	0	0
14	MP ALPHA1	PZ	-.001	-.001	0	0
15	CONNECTION2 ALPHA	PZ	-.001	-.001	0	0
16	CONNECTION1 ALPHA	PZ	-.001	-.001	0	0
17	TIEBACK BETA	PZ	-.000492	-.000492	0	0
18	SUPP BETA	PZ	-.001	-.001	0	0
19	SR4 BETA	PZ	-.000293	-.000293	0	0
20	SR3 BETA	PZ	-.000293	-.000293	0	0
21	SR2 BETA	PZ	-.000293	-.000293	0	0
22	SR1 BETA	PZ	-.000293	-.000293	0	0
23	SO2 BETA	PZ	-.000582	-.000582	0	0
24	SO1 BETA	PZ	-.000582	-.000582	0	0
25	SO VERT1 BETA	PZ	-.000492	-.000492	0	0
26	SO PLATE4 BETA	PZ	-.001	-.001	0	0
27	SO PLATE3 BETA	PZ	-.001	-.001	0	0
28	SO PLATE2 BETA	PZ	-.001	-.001	0	0
29	SO PLATE1 BETA	PZ	-.001	-.001	0	0
30	MP BETA1	PZ	-.001	-.001	0	0
31	CONNECTION2 BETA	PZ	-.001	-.001	0	0
32	CONNECTION1 BETA	PZ	-.001	-.001	0	0
33	TIEBACK GAMMA	PZ	-.000985	-.000985	0	0
34	SUPP GAMMA	PZ	-.002	-.002	0	0
35	SR4 GAMMA	PZ	-.000586	-.000586	0	0
36	SR3 GAMMA	PZ	-.000586	-.000586	0	0
37	SR2 GAMMA	PZ	-.000586	-.000586	0	0
38	SR1 GAMMA	PZ	-.000586	-.000586	0	0
39	SO2 GAMMA	PZ	-.001	-.001	0	0
40	SO1 GAMMA	PZ	-.001	-.001	0	0
41	SO VERT1 GAMMA	PZ	-.000985	-.000985	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
42	SO PLATE4 GAMMA	PZ	-.002	-.002	0	0
43	SO PLATE3 GAMMA	PZ	-.002	-.002	0	0
44	SO PLATE2 GAMMA	PZ	-.002	-.002	0	0
45	SO PLATE1 GAMMA	PZ	-.002	-.002	0	0
46	MP GAMMA1	PZ	-.003	-.003	0	0
47	CONNECTION2 GAMMA	PZ	-.002	-.002	0	0
48	CONNECTION1 GAMMA	PZ	-.002	-.002	0	0
49	TIEBACK ALPHA	PX	.000853	.000853	0	0
50	SUPP ALPHA	PX	.002	.002	0	0
51	SR4 ALPHA	PX	.000508	.000508	0	0
52	SR3 ALPHA	PX	.000508	.000508	0	0
53	SR2 ALPHA	PX	.000508	.000508	0	0
54	SR1 ALPHA	PX	.000508	.000508	0	0
55	SO2 ALPHA	PX	.001	.001	0	0
56	SO1 ALPHA	PX	.001	.001	0	0
57	SO VERT1 ALPHA	PX	.000853	.000853	0	0
58	SO PLATE4 ALPHA	PX	.002	.002	0	0
59	SO PLATE3 ALPHA	PX	.002	.002	0	0
60	SO PLATE2 ALPHA	PX	.002	.002	0	0
61	SO PLATE1 ALPHA	PX	.002	.002	0	0
62	MP ALPHA1	PX	.002	.002	0	0
63	CONNECTION2 ALPHA	PX	.002	.002	0	0
64	CONNECTION1 ALPHA	PX	.002	.002	0	0
65	TIEBACK BETA	PX	.000853	.000853	0	0
66	SUPP BETA	PX	.002	.002	0	0
67	SR4 BETA	PX	.000508	.000508	0	0
68	SR3 BETA	PX	.000508	.000508	0	0
69	SR2 BETA	PX	.000508	.000508	0	0
70	SR1 BETA	PX	.000508	.000508	0	0
71	SO2 BETA	PX	.001	.001	0	0
72	SO1 BETA	PX	.001	.001	0	0
73	SO VERT1 BETA	PX	.000853	.000853	0	0
74	SO PLATE4 BETA	PX	.002	.002	0	0
75	SO PLATE3 BETA	PX	.002	.002	0	0
76	SO PLATE2 BETA	PX	.002	.002	0	0
77	SO PLATE1 BETA	PX	.002	.002	0	0
78	MP BETA1	PX	.002	.002	0	0
79	CONNECTION2 BETA	PX	.002	.002	0	0
80	CONNECTION1 BETA	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PX	.000839	.000839	0	0
2	SUPP ALPHA	PX	.002	.002	0	0
3	SR4 ALPHA	PX	.000499	.000499	0	0
4	SR3 ALPHA	PX	.000499	.000499	0	0
5	SR2 ALPHA	PX	.000499	.000499	0	0
6	SR1 ALPHA	PX	.000499	.000499	0	0
7	SO2 ALPHA	PX	.002	.002	0	0
8	SO1 ALPHA	PX	.002	.002	0	0
9	SO VERT1 ALPHA	PX	.002	.002	0	0
10	SO PLATE4 ALPHA	PX	.002	.002	0	0
11	SO PLATE3 ALPHA	PX	.002	.002	0	0
12	SO PLATE2 ALPHA	PX	.002	.002	0	0
13	SO PLATE1 ALPHA	PX	.002	.002	0	0
14	MP ALPHA1	PX	.003	.003	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
15	CONNECTION2 ALPHA	PX	.002	.002	0	0
16	CONNECTION1 ALPHA	PX	.002	.002	0	0
17	TIEBACK BETA	PZ	.000853	.000853	0	0
18	SUPP BETA	PZ	.002	.002	0	0
19	SR4 BETA	PZ	.000508	.000508	0	0
20	SR3 BETA	PZ	.000508	.000508	0	0
21	SR2 BETA	PZ	.000508	.000508	0	0
22	SR1 BETA	PZ	.000508	.000508	0	0
23	SO2 BETA	PZ	.001	.001	0	0
24	SO1 BETA	PZ	.001	.001	0	0
25	SO VERT1 BETA	PZ	.000853	.000853	0	0
26	SO PLATE4 BETA	PZ	.002	.002	0	0
27	SO PLATE3 BETA	PZ	.002	.002	0	0
28	SO PLATE2 BETA	PZ	.002	.002	0	0
29	SO PLATE1 BETA	PZ	.002	.002	0	0
30	MP BETA1	PZ	.002	.002	0	0
31	CONNECTION2 BETA	PZ	.002	.002	0	0
32	CONNECTION1 BETA	PZ	.002	.002	0	0
33	TIEBACK GAMMA	PZ	-.000853	-.000853	0	0
34	SUPP GAMMA	PZ	-.002	-.002	0	0
35	SR4 GAMMA	PZ	-.000508	-.000508	0	0
36	SR3 GAMMA	PZ	-.000508	-.000508	0	0
37	SR2 GAMMA	PZ	-.000508	-.000508	0	0
38	SR1 GAMMA	PZ	-.000508	-.000508	0	0
39	SO2 GAMMA	PZ	-.001	-.001	0	0
40	SO1 GAMMA	PZ	-.001	-.001	0	0
41	SO VERT1 GAMMA	PZ	-.000853	-.000853	0	0
42	SO PLATE4 GAMMA	PZ	-.002	-.002	0	0
43	SO PLATE3 GAMMA	PZ	-.002	-.002	0	0
44	SO PLATE2 GAMMA	PZ	-.002	-.002	0	0
45	SO PLATE1 GAMMA	PZ	-.002	-.002	0	0
46	MP GAMMA1	PZ	-.002	-.002	0	0
47	CONNECTION2 GAMMA	PZ	-.002	-.002	0	0
48	CONNECTION1 GAMMA	PZ	-.002	-.002	0	0
49	TIEBACK BETA	PX	.000492	.000492	0	0
50	SUPP BETA	PX	.001	.001	0	0
51	SR4 BETA	PX	.000293	.000293	0	0
52	SR3 BETA	PX	.000293	.000293	0	0
53	SR2 BETA	PX	.000293	.000293	0	0
54	SR1 BETA	PX	.000293	.000293	0	0
55	SO2 BETA	PX	.000582	.000582	0	0
56	SO1 BETA	PX	.000582	.000582	0	0
57	SO VERT1 BETA	PX	.000492	.000492	0	0
58	SO PLATE4 BETA	PX	.001	.001	0	0
59	SO PLATE3 BETA	PX	.001	.001	0	0
60	SO PLATE2 BETA	PX	.001	.001	0	0
61	SO PLATE1 BETA	PX	.001	.001	0	0
62	MP BETA1	PX	.001	.001	0	0
63	CONNECTION2 BETA	PX	.001	.001	0	0
64	CONNECTION1 BETA	PX	.001	.001	0	0
65	TIEBACK GAMMA	PX	.000492	.000492	0	0
66	SUPP GAMMA	PX	.001	.001	0	0
67	SR4 GAMMA	PX	.000293	.000293	0	0
68	SR3 GAMMA	PX	.000293	.000293	0	0
69	SR2 GAMMA	PX	.000293	.000293	0	0
70	SR1 GAMMA	PX	.000293	.000293	0	0
71	SO2 GAMMA	PX	.000582	.000582	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
72	SO1 GAMMA	PX	.000582	.000582	0	0
73	SO VERT1 GAMMA	PX	.000492	.000492	0	0
74	SO PLATE4 GAMMA	PX	.001	.001	0	0
75	SO PLATE3 GAMMA	PX	.001	.001	0	0
76	SO PLATE2 GAMMA	PX	.001	.001	0	0
77	SO PLATE1 GAMMA	PX	.001	.001	0	0
78	MP GAMMA1	PX	.001	.001	0	0
79	CONNECTION2 GAMMA	PX	.001	.001	0	0
80	CONNECTION1 GAMMA	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000492	.000492	0	0
2	SUPP ALPHA	PZ	.001	.001	0	0
3	SR4 ALPHA	PZ	.000293	.000293	0	0
4	SR3 ALPHA	PZ	.000293	.000293	0	0
5	SR2 ALPHA	PZ	.000293	.000293	0	0
6	SR1 ALPHA	PZ	.000293	.000293	0	0
7	SO2 ALPHA	PZ	.000582	.000582	0	0
8	SO1 ALPHA	PZ	.000582	.000582	0	0
9	SO VERT1 ALPHA	PZ	.000492	.000492	0	0
10	SO PLATE4 ALPHA	PZ	.001	.001	0	0
11	SO PLATE3 ALPHA	PZ	.001	.001	0	0
12	SO PLATE2 ALPHA	PZ	.001	.001	0	0
13	SO PLATE1 ALPHA	PZ	.001	.001	0	0
14	MP ALPHA1	PZ	.001	.001	0	0
15	CONNECTION2 ALPHA	PZ	.001	.001	0	0
16	CONNECTION1 ALPHA	PZ	.001	.001	0	0
17	TIEBACK BETA	PZ	.000985	.000985	0	0
18	SUPP BETA	PZ	.002	.002	0	0
19	SR4 BETA	PZ	.000586	.000586	0	0
20	SR3 BETA	PZ	.000586	.000586	0	0
21	SR2 BETA	PZ	.000586	.000586	0	0
22	SR1 BETA	PZ	.000586	.000586	0	0
23	SO2 BETA	PZ	.001	.001	0	0
24	SO1 BETA	PZ	.001	.001	0	0
25	SO VERT1 BETA	PZ	.000985	.000985	0	0
26	SO PLATE4 BETA	PZ	.002	.002	0	0
27	SO PLATE3 BETA	PZ	.002	.002	0	0
28	SO PLATE2 BETA	PZ	.002	.002	0	0
29	SO PLATE1 BETA	PZ	.002	.002	0	0
30	MP BETA1	PZ	.003	.003	0	0
31	CONNECTION2 BETA	PZ	.002	.002	0	0
32	CONNECTION1 BETA	PZ	.002	.002	0	0
33	TIEBACK GAMMA	PZ	.000492	.000492	0	0
34	SUPP GAMMA	PZ	.001	.001	0	0
35	SR4 GAMMA	PZ	.000293	.000293	0	0
36	SR3 GAMMA	PZ	.000293	.000293	0	0
37	SR2 GAMMA	PZ	.000293	.000293	0	0
38	SR1 GAMMA	PZ	.000293	.000293	0	0
39	SO2 GAMMA	PZ	.000582	.000582	0	0
40	SO1 GAMMA	PZ	.000582	.000582	0	0
41	SO VERT1 GAMMA	PZ	.000492	.000492	0	0
42	SO PLATE4 GAMMA	PZ	.001	.001	0	0
43	SO PLATE3 GAMMA	PZ	.001	.001	0	0
44	SO PLATE2 GAMMA	PZ	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
45	SO PLATE1 GAMMA	PZ	.001	.001	0	0
46	MP GAMMA1	PZ	.001	.001	0	0
47	CONNECTION2 GAMMA	PZ	.001	.001	0	0
48	CONNECTION1 GAMMA	PZ	.001	.001	0	0
49	TIEBACK ALPHA	PX	.000853	.000853	0	0
50	SUPP ALPHA	PX	.002	.002	0	0
51	SR4 ALPHA	PX	.000508	.000508	0	0
52	SR3 ALPHA	PX	.000508	.000508	0	0
53	SR2 ALPHA	PX	.000508	.000508	0	0
54	SR1 ALPHA	PX	.000508	.000508	0	0
55	SO2 ALPHA	PX	.001	.001	0	0
56	SO1 ALPHA	PX	.001	.001	0	0
57	SO VERT1 ALPHA	PX	.000853	.000853	0	0
58	SO PLATE4 ALPHA	PX	.002	.002	0	0
59	SO PLATE3 ALPHA	PX	.002	.002	0	0
60	SO PLATE2 ALPHA	PX	.002	.002	0	0
61	SO PLATE1 ALPHA	PX	.002	.002	0	0
62	MP ALPHA1	PX	.002	.002	0	0
63	CONNECTION2 ALPHA	PX	.002	.002	0	0
64	CONNECTION1 ALPHA	PX	.002	.002	0	0
65	TIEBACK GAMMA	PX	.000853	.000853	0	0
66	SUPP GAMMA	PX	.002	.002	0	0
67	SR4 GAMMA	PX	.000508	.000508	0	0
68	SR3 GAMMA	PX	.000508	.000508	0	0
69	SR2 GAMMA	PX	.000508	.000508	0	0
70	SR1 GAMMA	PX	.000508	.000508	0	0
71	SO2 GAMMA	PX	.001	.001	0	0
72	SO1 GAMMA	PX	.001	.001	0	0
73	SO VERT1 GAMMA	PX	.000853	.000853	0	0
74	SO PLATE4 GAMMA	PX	.002	.002	0	0
75	SO PLATE3 GAMMA	PX	.002	.002	0	0
76	SO PLATE2 GAMMA	PX	.002	.002	0	0
77	SO PLATE1 GAMMA	PX	.002	.002	0	0
78	MP GAMMA1	PX	.002	.002	0	0
79	CONNECTION2 GAMMA	PX	.002	.002	0	0
80	CONNECTION1 GAMMA	PX	.002	.002	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
1	TIEBACK ALPHA	PZ	.000853	.000853	0	0
2	SUPP ALPHA	PZ	.002	.002	0	0
3	SR4 ALPHA	PZ	.000508	.000508	0	0
4	SR3 ALPHA	PZ	.000508	.000508	0	0
5	SR2 ALPHA	PZ	.000508	.000508	0	0
6	SR1 ALPHA	PZ	.000508	.000508	0	0
7	SO2 ALPHA	PZ	.001	.001	0	0
8	SO1 ALPHA	PZ	.001	.001	0	0
9	SO VERT1 ALPHA	PZ	.000853	.000853	0	0
10	SO PLATE4 ALPHA	PZ	.002	.002	0	0
11	SO PLATE3 ALPHA	PZ	.002	.002	0	0
12	SO PLATE2 ALPHA	PZ	.002	.002	0	0
13	SO PLATE1 ALPHA	PZ	.002	.002	0	0
14	MP ALPHA1	PZ	.002	.002	0	0
15	CONNECTION2 ALPHA	PZ	.002	.002	0	0
16	CONNECTION1 ALPHA	PZ	.002	.002	0	0
17	TIEBACK BETA	PZ	.000853	.000853	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
18	SUPP BETA	PZ	.002	.002	0	0
19	SR4 BETA	PZ	.000508	.000508	0	0
20	SR3 BETA	PZ	.000508	.000508	0	0
21	SR2 BETA	PZ	.000508	.000508	0	0
22	SR1 BETA	PZ	.000508	.000508	0	0
23	SO2 BETA	PZ	.001	.001	0	0
24	SO1 BETA	PZ	.001	.001	0	0
25	SO VERT1 BETA	PZ	.000853	.000853	0	0
26	SO PLATE4 BETA	PZ	.002	.002	0	0
27	SO PLATE3 BETA	PZ	.002	.002	0	0
28	SO PLATE2 BETA	PZ	.002	.002	0	0
29	SO PLATE1 BETA	PZ	.002	.002	0	0
30	MP BETA1	PZ	.002	.002	0	0
31	CONNECTION2 BETA	PZ	.002	.002	0	0
32	CONNECTION1 BETA	PZ	.002	.002	0	0
33	TIEBACK GAMMA	PX	.000839	.000839	0	0
34	SUPP GAMMA	PX	.002	.002	0	0
35	SR4 GAMMA	PX	.000499	.000499	0	0
36	SR3 GAMMA	PX	.000499	.000499	0	0
37	SR2 GAMMA	PX	.000499	.000499	0	0
38	SR1 GAMMA	PX	.000499	.000499	0	0
39	SO2 GAMMA	PX	.002	.002	0	0
40	SO1 GAMMA	PX	.002	.002	0	0
41	SO VERT1 GAMMA	PX	.002	.002	0	0
42	SO PLATE4 GAMMA	PX	.002	.002	0	0
43	SO PLATE3 GAMMA	PX	.002	.002	0	0
44	SO PLATE2 GAMMA	PX	.002	.002	0	0
45	SO PLATE1 GAMMA	PX	.002	.002	0	0
46	MP GAMMA1	PX	.003	.003	0	0
47	CONNECTION2 GAMMA	PX	.002	.002	0	0
48	CONNECTION1 GAMMA	PX	.002	.002	0	0
49	TIEBACK ALPHA	PX	.000492	.000492	0	0
50	SUPP ALPHA	PX	.001	.001	0	0
51	SR4 ALPHA	PX	.000293	.000293	0	0
52	SR3 ALPHA	PX	.000293	.000293	0	0
53	SR2 ALPHA	PX	.000293	.000293	0	0
54	SR1 ALPHA	PX	.000293	.000293	0	0
55	SO2 ALPHA	PX	.000582	.000582	0	0
56	SO1 ALPHA	PX	.000582	.000582	0	0
57	SO VERT1 ALPHA	PX	.000492	.000492	0	0
58	SO PLATE4 ALPHA	PX	.001	.001	0	0
59	SO PLATE3 ALPHA	PX	.001	.001	0	0
60	SO PLATE2 ALPHA	PX	.001	.001	0	0
61	SO PLATE1 ALPHA	PX	.001	.001	0	0
62	MP ALPHA1	PX	.001	.001	0	0
63	CONNECTION2 ALPHA	PX	.001	.001	0	0
64	CONNECTION1 ALPHA	PX	.001	.001	0	0
65	TIEBACK BETA	PX	.000492	.000492	0	0
66	SUPP BETA	PX	.001	.001	0	0
67	SR4 BETA	PX	.000293	.000293	0	0
68	SR3 BETA	PX	.000293	.000293	0	0
69	SR2 BETA	PX	.000293	.000293	0	0
70	SR1 BETA	PX	.000293	.000293	0	0
71	SO2 BETA	PX	.000582	.000582	0	0
72	SO1 BETA	PX	.000582	.000582	0	0
73	SO VERT1 BETA	PX	.000492	.000492	0	0
74	SO PLATE4 BETA	PX	.001	.001	0	0

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

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/..	Start Location[ft,%]	End Location[ft,%]
75	SO PLATE3 BETA	PX	.001	.001	0	0
76	SO PLATE2 BETA	PX	.001	.001	0	0
77	SO PLATE1 BETA	PX	.001	.001	0	0
78	MP BETA1	PX	.001	.001	0	0
79	CONNECTION2 BETA	PX	.001	.001	0	0
80	CONNECTION1 BETA	PX	.001	.001	0	0

Basic Load Cases

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(...	Surfac...
1	Live Load	DL								
2	Wind Load (0)	DL					15	80		
3	Dead Load	DL		-1.1			15			
4	Wind Load (30)	DL					30	80		
5	Wind Load (60)	DL					30	80		
6	Wind Load (90)	DL					15	80		
7	Wind Load (120)	DL					30	80		
8	Wind Load (150)	DL					30	80		
9	Wind Load (180)	DL					15	80		
10	Wind Load (210)	DL					30	80		
11	Wind Load (240)	DL					30	80		
12	Wind Load (270)	DL					15	80		
13	Wind Load (300)	DL					30	80		
14	Wind Load (330)	DL					30	80		
15	Maintanence (0)	DL					15	80		
16	Maintanence (30)	DL					30	80		
17	Maintanence (60)	DL					30	80		
18	Maintanence (90)	DL					15	80		
19	Maintanence (120)	DL					30	80		
20	Maintanence (150)	DL					30	80		
21	Maintanence (180)	DL					15	80		
22	Maintanence (210)	DL					30	80		
23	Maintanence (240)	DL					30	80		
24	Maintanence (270)	DL					15	80		
25	Maintanence (300)	DL					30	80		
26	Maintanence (330)	DL					30	80		
27	Ice Dead Load	DL					15	48		
28	Ice Wind Load (0)	DL					15	80		
29	Ice Wind Load (30)	DL					30	80		
30	Ice Wind Load (60)	DL					30	80		
31	Ice Wind Load (90)	DL					15	80		
32	Ice Wind Load (120)	DL					30	80		
33	Ice Wind Load (150)	DL					30	80		
34	Ice Wind Load (180)	DL					15	80		
35	Ice Wind Load (210)	DL					30	80		
36	Ice Wind Load (240)	DL					30	80		
37	Ice Wind Load (270)	DL					15	80		
38	Ice Wind Load (300)	DL					30	80		
39	Ice Wind Load (330)	DL					30	80		
40	Earthquake (x-direction)	DL	-.117				15			
41	Earthquake (y-direction)	DL		-.047			15			
42	Earthquake (z-direction)	DL			.117		15			

Load Combinations

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4D	Yes	Y		3	1.4																		
2	1.2D + 1.0W(0)	Yes	Y		3	1.2	2	1																
3	1.2D + 1.0Di + 1.0Wi(0)	Yes	Y		3	1.2	27	1	28	1														
4	1.2D + 1.5L + 1.0Wl(0)	Yes	Y		3	1.2	1	1.5	15	1														
5	1.2D + 1.0W(30)	Yes	Y		3	1.2	4	1																
6	1.2D + 1.0Di + 1.0Wi(30)	Yes	Y		3	1.2	27	1	29	1														
7	1.2D + 1.5L + 1.0Wl(30)	Yes	Y		3	1.2	1	1.5	16	1														
8	1.2D + 1.0W(60)	Yes	Y		3	1.2	5	1																
9	1.2D + 1.0Di + 1.0Wi(60)	Yes	Y		3	1.2	27	1	30	1														
10	1.2D + 1.5L + 1.0Wl(60)	Yes	Y		3	1.2	1	1.5	17	1														
11	1.2D + 1.0W(90)	Yes	Y		3	1.2	6	1																
12	1.2D + 1.0Di + 1.0Wi(90)	Yes	Y		3	1.2	27	1	31	1														
13	1.2D + 1.5L + 1.0Wl(90)	Yes	Y		3	1.2	1	1.5	18	1														
14	1.2D + 1.0W(120)	Yes	Y		3	1.2	7	1																
15	1.2D + 1.0Di + 1.0Wi(120)	Yes	Y		3	1.2	27	1	32	1														
16	1.2D + 1.5L + 1.0Wl(120)	Yes	Y		3	1.2	1	1.5	19	1														
17	1.2D + 1.0W(150)	Yes	Y		3	1.2	8	1																
18	1.2D + 1.0Di + 1.0Wi(150)	Yes	Y		3	1.2	27	1	33	1														
19	1.2D + 1.5L + 1.0Wl(150)	Yes	Y		3	1.2	1	1.5	20	1														
20	1.2D + 1.0W(180)	Yes	Y		3	1.2	9	1																
21	1.2D + 1.0Di + 1.0Wi(180)	Yes	Y		3	1.2	27	1	34	1														
22	1.2D + 1.5L + 1.0Wl(180)	Yes	Y		3	1.2	1	1.5	21	1														
23	1.2D + 1.0W(210)	Yes	Y		3	1.2	10	1																
24	1.2D + 1.0Di + 1.0Wi(210)	Yes	Y		3	1.2	27	1	35	1														
25	1.2D + 1.5L + 1.0Wl(210)	Yes	Y		3	1.2	1	1.5	22	1														
26	1.2D + 1.0W(240)	Yes	Y		3	1.2	11	1																
27	1.2D + 1.0Di + 1.0Wi(240)	Yes	Y		3	1.2	27	1	36	1														
28	1.2D + 1.5L + 1.0Wl(240)	Yes	Y		3	1.2	1	1.5	23	1														
29	1.2D + 1.0W(270)	Yes	Y		3	1.2	12	1																
30	1.2D + 1.0Di + 1.0Wi(270)	Yes	Y		3	1.2	27	1	37	1														
31	1.2D + 1.5L + 1.0Wl(270)	Yes	Y		3	1.2	1	1.5	24	1														
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(y) + L	Yes	Y		3	1.2	40	1	41	1	1	1												
39	1.2D + 1.0E(z) + 1.0E(y) + L	Yes	Y		3	1.2	42	1	41	1	1	1												
40	1.2D - 1.0E(x) + 1.0E(y) + L	Yes	Y		3	1.2	40	-1	41	1	1	1												
41	1.2D - 1.0E(z) + 1.0E(y) + L	Yes	Y		3	1.2	42	-1	41	1	1	1												

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N72	max	.121	11	.505	30	-.119	20	-.131	14	0	41	.182	26
2		min	-.123	29	.218	14	-1.053	3	-.307	30	0	1	-.181	14
3	N71A	max	.21	26	.521	12	1.352	26	-.135	32	0	41	.197	26
4		min	-.208	14	.225	32	-.402	8	-.317	12	0	1	-.195	14
5	N37A	max	.469	14	.025	30	.724	14	0	41	0	41	0	41
6		min	-.47	26	.012	8	-.723	32	0	1	0	1	0	1
7	N71	max	.16	26	.477	27	-.081	20	.25	24	0	41	.043	26
8		min	-.768	8	.233	8	-.777	3	-.017	8	0	1	-.24	8
9	N72A	max	.64	12	.462	9	.772	18	.237	24	0	41	.05	26
10		min	.075	32	.226	26	.088	35	.006	8	0	1	-.24	8

Envelope Joint Reactions (Continued)

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
11	N85	max	.646	8	.016	6	.076	8	0	41	0	41	0	41
12		min	-.646	26	.01	26	-.076	26	0	1	0	1	0	1
13	N119	max	1.058	15	.477	6	.186	5	.22	23	0	41	.294	6
14		min	-.104	32	.233	23	-.351	14	-.167	5	0	1	.104	23
15	N120	max	-.155	11	.462	24	.241	23	.209	23	0	41	.28	33
16		min	-.982	30	.226	5	-.075	5	-.158	5	0	1	.125	23
17	N133	max	.405	5	.016	15	.535	23	0	41	0	41	0	41
18		min	-.403	23	.01	5	-.537	5	0	1	0	1	0	1
19	Totals:	max	1.333	11	2.932	33	1.346	20						
20		min	-1.333	29	1.522	14	-1.346	2						

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear..	Loc[ft]	Dir	LC	phi*Pnc..	phi*Pnt...	phi*Mn ..	phi*Mn ..	Cb	Eqn
1	SR1 ALPHA	SR 1/2	.600	.5	36	.053	0		32	8.313	10.073	.084	.084	2...	H1-1b
2	SR2 ALPHA	SR 1/2	.600	.5	6	.053	0		8	8.313	10.073	.084	.084	2...	H1-1b
3	SR4 ALPHA	SR 1/2	.594	.5	24	.058	0		26	8.313	10.073	.084	.084	2...	H1-1b
4	SR3 ALPHA	SR 1/2	.593	.5	18	.058	0		14	8.313	10.073	.084	.084	2...	H1-1b
5	SR2 GAMMA	SR 1/2	.589	.5	33	.056	0		32	8.313	10.073	.084	.084	2...	H1-1b
6	SR2 BETA	SR 1/2	.587	.5	18	.049	0		23	8.313	10.073	.084	.084	2...	H1-1b
7	SR1 GAMMA	SR 1/2	.583	.5	27	.054	0		23	8.313	10.073	.084	.084	2...	H1-1b
8	SR4 GAMMA	SR 1/2	.582	.5	15	.058	0		14	8.313	10.073	.084	.084	2...	H1-1b
9	SR1 BETA	SR 1/2	.580	.5	18	.048	0		5	8.313	10.073	.084	.084	2...	H1-1b
10	SR4 BETA	SR 1/2	.580	.5	36	.054	0		5	8.313	10.073	.084	.084	2...	H1-1b
11	SR3 GAMMA	SR 1/2	.576	.5	9	.060	0		5	8.313	10.073	.084	.084	2...	H1-1b
12	SR3 BETA	SR 1/2	.572	.5	33	.054	0		26	8.313	10.073	.084	.084	2...	H1-1b
13	MP ALPHA1	PIPE_2.0	.199	3	20	.031	3		23	14.916	32.13	1.872	1.872	1...	H1-1b
14	SO VERT1 ALPHA	PIPE_2.0	.199	2.5	30	.077	0		32	30.238	32.13	1.872	1.872	1	H1-1b
15	MP BETA1	PIPE_2.0	.196	3	35	.029	3		8	14.916	32.13	1.872	1.872	1...	H1-1b
16	MP GAMMA1	PIPE_2.0	.189	3	11	.033	3		5	14.916	32.13	1.872	1.872	1...	H1-1b
17	SO VERT1 GAMMA	PIPE_2.0	.188	2.5	27	.077	0		23	30.238	32.13	1.872	1.872	1	H1-1b
18	SO VERT1 BETA	PIPE_2.0	.187	2.5	9	.075	0		8	30.238	32.13	1.872	1.872	2...	H1-1b
19	CONNECTION2 A...	C4.75x3	.185	.896	26	.137	.625	y	26	92.675	97.2	10.61	9.871	2...	H1-1b
20	CONNECTION2 G...	C4.75x3	.181	.896	23	.139	.625	y	23	92.675	97.2	10.61	9.871	2...	H1-1b
21	CONNECTION2 B...	C4.75x3	.181	.896	8	.136	.625	y	8	92.675	97.2	10.61	9.871	2...	H1-1b
22	CONNECTION1 A...	C4.75x3	.173	.896	32	.128	.625	y	26	92.675	97.2	10.884	9.871	2...	H1-1b
23	CONNECTION1 G...	C4.75x3	.173	.896	23	.130	.625	y	23	92.675	97.2	10.884	9.871	2...	H1-1b
24	CONNECTION1 B...	C4.75x3	.168	.896	8	.127	.625	y	8	92.675	97.2	10.884	9.871	2...	H1-1b
25	SO PLATE4 ALPHA	4x0.375	.138	.38	26	.083	.38	y	26	44.266	48.6	.38	4.05	1...	H1-1b
26	SUPP ALPHA	PIPE_3.0	.135	2.99	36	.086	.255		26	61.066	65.205	5.749	5.749	1...	H1-1b
27	SO PLATE4 GAM...	4x0.375	.134	.38	23	.084	.38	y	23	44.266	48.6	.38	4.05	1...	H1-1b
28	SO PLATE4 BETA	4x0.375	.132	.38	8	.083	.38	y	8	44.266	48.6	.38	4.05	1...	H1-1b
29	SO PLATE3 ALPHA	4x0.375	.131	.38	14	.084	.38	y	14	44.266	48.6	.38	4.05	1...	H1-1b
30	SO PLATE3 GAM...	4x0.375	.131	.38	5	.085	.38	y	5	44.266	48.6	.38	4.05	1...	H1-1b
31	SO2 ALPHA	HSS3X3X3	.130	0	14	.054	2.37	y	14	74.69	78.246	6.796	6.796	2...	H1-1b
32	SUPP GAMMA	PIPE_3.0	.128	2.99	27	.078	.51		5	61.066	65.205	5.749	5.749	1...	H1-1b
33	SO PLATE3 BETA	4x0.375	.128	.38	26	.083	.38	y	26	44.266	48.6	.38	4.05	1...	H1-1b
34	SUPP BETA	PIPE_3.0	.127	2.99	15	.075	.51		8	61.066	65.205	5.749	5.749	1...	H1-1b
35	SO2 GAMMA	HSS3X3X3	.120	0	5	.054	2.37	y	5	74.69	78.246	6.796	6.796	2...	H1-1b
36	SO2 BETA	HSS3X3X3	.119	0	26	.053	2.37	y	26	74.69	78.246	6.796	6.796	2...	H1-1b
37	SO1 ALPHA	HSS3X3X3	.106	0	30	.051	2.37	y	26	74.69	78.246	6.796	6.796	2...	H1-1b
38	SO PLATE2 GAM...	4x0.375	.106	.38	23	.079	.38	y	23	44.266	48.6	.38	4.05	1...	H1-1b
39	SO PLATE2 ALPHA	4x0.375	.105	.38	29	.079	.38	y	26	44.266	48.6	.38	4.05	1...	H1-1b
40	SO PLATE2 BETA	4x0.375	.103	.38	8	.078	.38	y	8	44.266	48.6	.38	4.05	1...	H1-1b
41	SO PLATE1 GAM...	4x0.375	.102	.38	5	.079	.38	y	5	44.266	48.6	.38	4.05	1...	H1-1b
42	SO PLATE1 ALPHA	4x0.375	.101	.38	11	.077	.38	y	14	44.266	48.6	.38	4.05	1...	H1-1b

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

	Member	Shape	Code ...	Loc[ft]	LC	Shear..	Loc[ft]	Dir	LC	phi*Pnc..	phi*Pnt...	phi*Mn ..	phi*Mn ..	Cb	Eqn
43	SO PLATE1 BETA	4x0.375	.100	.38	26	.077	.38	y	26	44.266	48.6	.38	4.05	1...	H1-1b
44	SO1 BETA	HSS3X3X3	.100	0	9	.050	2.37	y	8	74.69	78.246	6.796	6.796	2...	H1-1b
45	SO1 GAMMA	HSS3X3X3	.100	0	24	.051	2.37	y	23	74.69	78.246	6.796	6.796	2...	H1-1b
46	TIEBACK ALPHA	PIPE_2.0	.037	5.206	14	.003	5.206		27	23.215	32.13	1.872	1.872	1...	H1-1b*
47	TIEBACK GAMMA	PIPE_2.0	.027	4.65	5	.002	4.65		33	24.793	32.13	1.872	1.872	1...	H1-1b*
48	TIEBACK BETA	PIPE_2.0	.026	4.65	26	.002	0		33	24.793	32.13	1.872	1.872	1...	H1-1b*

APPENDIX H

Additional Calculations (110 ft)

POD
POWER OF DESIGN

POD Job #	**23-155055**
Site Number	**841298**
Site Name	**SOUTHINGTON ROGUS**

Connection Type	Single Shear

RISA 3D Forces

Axial (Bolts)	1.04	kips
Shear (Bolts)	0.830	kips
Axial Force (Member)	0.830	kips

Bolt/Member Information

Member Label	SO PLATE3 GAMMA	
# 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	0.375	inches

Shear Capacity	**9.4%**
Axial Capacity	**8.1%**
Bearing Capacity	**4.0%**
Combined Capacity	**1.5%**

Ver 1.0 - 2/28/2020

APPENDIX I

Mount Modification Design Drawings (118 ft)

MOUNT DESIGN DRAWINGS

SITE ADDRESS:
250 MERIDEN WATERBURY TURNPIKE
SOUTHINGTON, CT 06489
HARTFORD COUNTY, USA

SITE INFORMATION	
TOWER HEIGHT / TYPE:	120' SELF SUPPORT TOWER
TOWER LOCATION: DATUM: (NAD 1983)	LAT: 41° 33' 24.54" LONG: -72° 51' 10.84"
JDE #:	686233
ORDER #:	586244 REV # 6
SITE ADDRESS:	250 MERIDEN WATERBURY TURNPIKE SOUTHINGTON, CT 06489 HARTFORD COUNTY, USA

CODE COMPLIANCE	
GOVERNING CODES	2021 IBC & 2022 CONNECTICUT STATE BUILDING CODE & TIA-222-H
ULTIMATE WIND SPEED	118 MPH 3 SECOND GUST
RADIAL ICE THICKNESS	1"
WIND SPEED W/ ICE	50 MPH 3 SECOND GUST
STRUCTURE CLASS	II
EXPOSURE CATEGORY	B
TOPOGRAPHIC CATEGORY	1
SPECTRAL RESPONSE ACCELERATIONS	SS= 0.200 & S1= 0.055

ATTENTION ALL CONTRACTORS, ANYTIME YOU ACCESS A CROWN SITE FOR ANY REASON YOU ARE TO CALL THE CROWN NOC UPON ARRIVAL AND DEPARTURE, DAILY AT 800-788-7011

PERFORMED WORK SHALL NOT DAMAGE ANY EXISTING STRUCTURE, MOUNTS, SAFETY CLIMB, OR EQUIPMENT WHILE ON SITE. SHOULD DAMAGE OCCUR, CONTACT CROWN EOR AT EORAPPROVAL@CROWNCASTLE.COM

SAFETY CLIMB: 'LOOK UP'

THE INTEGRITY OF THE WIRE ROPE SAFETY CLIMB SYSTEM SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER REINFORCEMENTS AND EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF ANY WIRE ROPE SAFETY CLIMB ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE FOPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, OR IMPACT TO THE ANCHORAGE POINTS IN ANY WAY. ANY COMPROMISED SAFETY CLIMB MUST BE REPORTED TO YOUR CROWN POC FOR RESOLUTION, INCLUDING EXISTING CONDITIONS.

DOCUMENTS INCLUDED

SHEET NUMBER	DESCRIPTION
S-1	TITLE PAGE
S-2	NOTES
S-3	MOUNT MODIFICATION SCHEDULE
S-4	MODIFICATION INSPECTION CHECKLIST
S-5	DETAILS/PARTS

1. CROWN TSA MANAGER

KEVIN MORROW
1 (704) 405-6619
KEVIN.MORROW@CROWNCASTLE.COM

2. DESIGN ENGINEER (EOR)

JASON CHERONIS, P.E.
POWER OF DESIGN GROUP, LLC
(330) 730-3178
NGILKERSON@PODGRP.COM
1033 E. TURKEYFOOT LAKE RD.
SUITE 206
AKRON, OH 44312

NO.	DATE	DESCRIPTION	BY

REVISIONS

CARRIER: AT&T

SITE NAME: SOUTHINGTON ROGUS
BU NUMBER: 841298
JDE NUMBER: 686233
POD NUMBER: 23-155055

DFT BY: TAJ	DATE: 4/27/2023
DFT/QA BY: MMM	DATE: 4/27/2023
ENG/QA BY: JGC	DATE: 4/27/2023
SCALE: N.T.S.	

TITLE PAGE

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GENERAL NOTES

1. THE MODIFICATIONS REPRESENTED IN THESE DRAWINGS ARE BASED ON THE STRUCTURAL DOCUMENTS PROVIDED IN THE STRUCTURAL DOCUMENTS TABLE. THE CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH ALL REFERENCED DOCUMENTS.

REFERENCE DOCUMENTS	
DOCUMENT TYPE	DESIGNATION
MOUNT ANALYSIS	POD PROJECT NUMBER: 23-154925 DATED: 04/19/2022

2. ALL MODIFICATIONS MUST BE INSTALLED TO BRING THE TOWER INTO CONFORMANCE WITH ALL APPLICABLE CODES.
3. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE OR APPROVED BY THE EOR. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE PERFORMING WORK SIMILAR TO THAT DESCRIBED WITHIN THESE DRAWINGS. BY ACCEPTANCE OF THIS PROJECT, THE CONTRACTOR IS ATTESTING THAT HE HAS SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND REGISTERED TO PERFORM THE WORK IN THE PROJECT JURISDICTION.
4. WORK SHALL ONLY BE PERFORMED DURING CALM, DRY DAYS (WINDS LESS THAN 10XMPH). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE INSTILLATION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIEXDOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
5. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND EOR. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE EOR SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES AND PROCEDURES.
6. THE DESIGN WITHIN THESE DRAWINGS ASSUMES THE TOWER AND ITS FOUNDATIONS HAVE BEEN WELL MAINTAINED, IN GOOD CONDITION AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBER, LOOSE BOLTS, CRACKED WELDS, AND OTHER STRUCTURAL DEFECTS HAVE NOT BEEN CONSIDERED UNLESS SPECIFICALLY NOTED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED LEVEL. THE OWNER AND/OR EOR SHALL BE NOTIFIED IMMEDIATELY IF ANY VARIANCES ARE FOUND.
7. THE CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY, LEASE AREA OR APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS PERFORMED WITHIN THESE BOUNDARIES. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE OWNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAIN AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL WORK PERFORMED COMPLIES WITH ALL APPLICATION SAFETY CODES AND GOVERNING REGULATIONS.
9. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULES AND MATERIAL DELIVERIES, WITH THE OWNER/RESIDENT LEASING AGENT FOR APPROVAL.
10. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNING AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
11. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDED BUT NOT LIMITED TO ALTERED SIZED AND/OR STRENGTHS, MUST BE APPROVED BY THE EOR.
12. UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORKING LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
13. ALL DIMENSIONS AND QUANTITIES LISTED WITHIN THESE DRAWINGS ARE INTENDED TO AID THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL DIMENSION AND QUANTITIES PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
14. ALL MANUFACTURERS' INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. ANY DEVIATION REQUIRES WRITTEN APPROVAL FROM THE EOR.
15. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING COAX, BRACKETS, ANTENNAS MOUNTS AND ANY OTHER TOWER APPURTENANCE THAT MAY INTERFERE WITH THE INSTILLATION OF THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACE AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME MOUNTS OR ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATION TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOM MOUNTS OR ATTACHMENTS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE OWNER/EOR PRIOR TO REMOVAL. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE OWNER IN WRITING.
16. DO NOT SCALE DRAWINGS.

STRUCTURAL STEEL NOTES

1. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
2. ALL STRUCTURAL STEEL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.

MATERIAL SPECIFICATIONS	
BOLTS	ASTM A325N
NUTS	ASTM A563
WASHER	ASTM F436
PLATE	ASTM A36 (36 KSI YIELD STRENGTH)
THREADED RODS	ASTM SAEJ429 (57 KSI YIELD STRENGTH)

3. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS, LATEST EDITION.
4. CAULKING SHALL BE PROVIDED AROUND PERIMETER OF ANY AND ALL MODIFICATION MEMBERS TO ENSURE COMPLETE SEAL BETWEEN EXISTING STRUCTURE AND REINFORCING MEMBERS IN FULL CONTACT WITH EXISTING STEEL. SEALANT IS TO BE EXTERIOR GRADE, PAINTABLE SILICONE CAULKING AS MANUFACTURED BY DOW AND ACCEPTABLE TO EOR.
5. HOLES SHALL NOT BE FLAME CUT THROUGH STEEL UNLESS APPROVED BY THE EOR.
6. ALL EXPOSED STEEL SHALL BE HOTXDIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A653 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOTXDIPPED GALVANIZING IS NOT PERMITTED DACROMET F1136 GRADE 3 COATING SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN EOR APPROVAL FOR STEEL PROTECTION BY ANY OTHER MEANS.
7. REPAIR DAMAGED PAINTED/GALVANIZED SURFACES WITH TWO COATS OF BRUSH OR ROLL ON ZRC COLD GALVANIZING COMPOUND OR EOR APPROVED COATING. SURFACES MUST BE WIRE BRUSHED AND SOLVENT CLEANED PRIOR TO APPLICATION OF GALVANIZING COMPOUND.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES (LOCKING NUT/PAL NUT) TO BE INSTALLED IN ACCORDANCE WITH TIA/EIAX222 REQUIREMENTS.
9. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.

BOLT TIGHTENING PROCEDURE

1. STRUCTURAL CONNECTIONS TO BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC SPECIFICATIONS.
2. FLANGE BOLTS SHALL BE INSTALLED AND TIGHTENED USING DIRECT TENSION INDICATING (DTI) SQUIRTER WASHERS. DTI SQUIRTER WASHERS ARE TO BE INSTALLED AND ORIENTED / TIGHTENED PER MANUFACTURER SPECIFICATIONS TO ACHIEVE DESIRED LEVEL OF BOLT PRE-TENSION.
3. IN LIEU OF USING DTI SQUIRTER WASHERS, FLANGE BOLTS MAY BE TIGHTENED USING AISC / RCSC "TURN-OF-THE-NUT" METHOD, PENDING APPROVAL BY THE ENGINEER OF RECORD (POD). TIGHTEN FLANGE BOLTS USING THE CHART BELOW:
4. SPLICE BOLTS SUBJECT TO DIRECT TENSION SHALL BE INSTALLED AND TIGHTENED AS PER SECTION 8.2.1 OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS", LOCATED IN THE AISC MANUAL OF STEEL CONSTRUCTION. THE INSTALLATION PROCEDURE IS PARAPHRASED AS FOLLOWS:

   FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES AND TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SUBSECTION 8.2.1 THROUGH 8.2.4.

   8.2.1 TURN-OF-NUT PRETENSIONING
   BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1, UNTIL ALL THE BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED ABOVE. DURING THE TIGHTENING OPERATION THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY.

5. ALL OTHER BOLTED CONNECTIONS SHALL BE BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1 OF THE SPECIFICATION.

   ALL BOLT HOLES SHALL BE ALIGNED TO PERMIT INSERTION OF THE BOLTS WITHOUT UNDUE DAMAGE TO THE THREADS. BOLTS SHALL BE PLACED IN ALL HOLES WITH WASHERS POSITIONED AS REQUIRED AND NUTS THREADED TO COMPLETE THE ASSEMBLY. COMPACTING THE JOINT TO THE SNUG-TIGHT CONDITION SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT. THE SNUG-TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.

BOLT LENGTHS UP TO AND INCLUDING FOUR DIAMETERS

1/2"	BOLTS UP TO AND INCLUDING 2.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
5/8"	BOLTS UP TO AND INCLUDING 2.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
3/4"	BOLTS UP TO AND INCLUDING 3.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
7/8"	BOLTS UP TO AND INCLUDING 3.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1"	BOLTS UP TO AND INCLUDING 4.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS UP TO AND INCLUDING 4.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS UP TO AND INCLUDING 5.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-3/8"	BOLTS UP TO AND INCLUDING 5.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS UP TO AND INCLUDING 6.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT

BOLT LENGTHS OVER FOUR DIAMETERS BUT NOT EXCEEDING EIGHT DIAMETERS

1/2"	BOLTS 2.25 TO 4.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
5/8"	BOLTS 2.75 TO 5.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
3/4"	BOLTS 3.25 TO 6.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
7/8"	BOLTS 3.75 TO 7.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1"	BOLTS 4.25 TO 8.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS 4.75 TO 9.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS 5.25 TO 10.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-3/8"	BOLTS 5.75 TO 11.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS 6.25 TO 12.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT

NO.	DATE	DESCRIPTION	BY

REVISIONS

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032793
LICENSED
PROFESSIONAL ENGINEER

CROWN CASTLE

CARRIER:

AT&T

SITE NAME: SOUTHINGTON ROGUS

BU NUMBER: 841298

JDE NUMBER: 686233

POD NUMBER: 23-155055

DFT BY: TAJ	DATE: 4/27/2023
DFT/QA BY: MMM	DATE: 4/27/2023
ENG/QA BY: JGC	DATE: 4/27/2023
SCALE: N.T.S.	

NOTES

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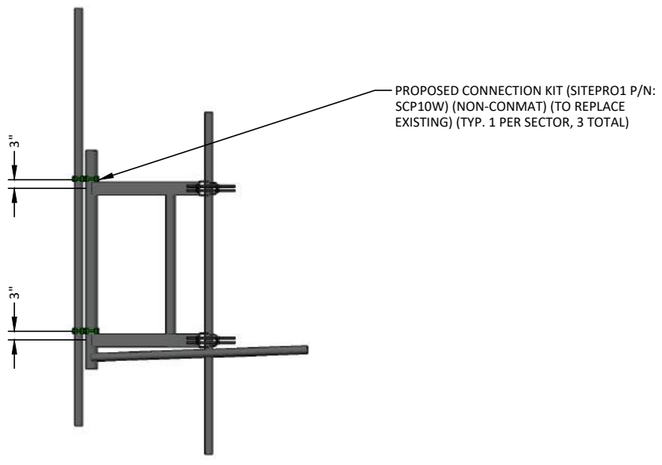
NOTES:

- ANTENNAE/OTHER SECTORS/GRATING NOT SHOWN FOR CLARITY
- MODIFICATIONS SHALL BE INSTALLED ON ALL (3) SECTORS
- ALL FIELD DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZRC RICH PAINT
- EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR

PLAN VIEW
1/4" = 1'-0"



ELEVATION VIEW
1/4" = 1'-0"

ISOMETRIC VIEW
NTS

MOUNT MODIFICATION

	MOUNT ELEVATION (FT)	MOUNT MODIFICATION DESCRIPTION	REFERENCE SHEET
A	118	REPLACE EXISTING CONNECTIONS WITH SITEPRO1 SCP10W CONNECTION KIT	S-5

PRIOR TO FABRICATION AND INSTALLATION, CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND QUANTITIES GIVEN. LENGTH AND QUANTITIES PROVIDED ARE FOR QUOTING PURPOSES ONLY, AND SHALL NOT BE USED FOR FABRICATION.

NO.	DATE	DESCRIPTION	BY

REVISIONS

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032793
LICENSED
PROFESSIONAL ENGINEER

CROWN CASTLE

CARRIER:

AT&T

SITE NAME: SOUTHINGTON ROGUS

BU NUMBER: 841298

JDE NUMBER: 686233

POD NUMBER: 23-155055

DFT BY: TAJ	DATE: 4/27/2023
DFT/QA BY: MMM	DATE: 4/27/2023
ENG/QA BY: JGC	DATE: 4/27/2023
SCALE: N.T.S.	

MOUNT MODIFICATION SCHEDULE

S-3

REV 0

MODIFICATION INSPECTION CHECKLIST

BEFORE CONSTRUCTION		DURING CONSTRUCTION		AFTER CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM	CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM	CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
X	MODIFICATION INSPECTION CHECKLIST DWG	X	CONSTRUCTION INSPECTION (AS REQUIRED BY CROWN)	X	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWING(S)
-	ENGINEER OF RECORD APPROVED SHOP DRAWINGS	-	FOUNDATION INSPECTION	-	POST INSTALLED ANCHOR ROD PULL-OUT TESTING
-	FABRICATION INSPECTION	-	CONCRETE COMP. STRENGTH AND SLUMP TEST	X	PHOTOGRAPHS
X	MATERIAL TEST REPORT	-	POST INSTALLED ANCHOR ROD VERIFICATION	ADDITIONAL TESTING AND INSPECTION	
-	FABRICATOR NDE INSPECTION	-	BASE PLATE GROUT VERIFICATION		
-	NDE REPORT OF MONOPOLE BASEPLATE (AS REQUIRED)	-	THIRD PARTY CERTIFIED WELD INSPECTION		
X	PACKING SLIP	-	EARTHWORK LIFT AND DENSITY (REPORT REQUIRED)		
ADDITIONAL TESTING AND INSPECTION		X	ON SITE COLD GALVANIZING VERIFICATION		
		-	GUY WIRE TENSION REPORT		
		X	GC AS-BUILT DOCUMENTS		
		ADDITIONAL TESTING AND INSPECTION (AS REQUIRED BY CROWN)			

MODIFICATION INSPECTION NOTES:

GENERAL:

1. THE MODIFICATION INSPECTION IS A VISUAL INSPECTION OF TOWER MODIFICATION AND A REVIEW OF CONSTRUCTION INSPECTION AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NAMELY THE MODIFICATION DRAWINGS., AS DESIGNED BY THE ENGINEER OF RECORD.

2. THE MODIFICATION INSPECTION IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AN IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF. NOR DOES THE MODIFICATION INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTENT RESIDES WITH THE ENGINEER OF RECORD AT ALL TIMES.

3. TO ENSURE THAT THE REQUIREMENT OF THE MODIFICATION INSPECTION ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MODIFICATION INSPECTOR BEGIN COMMUNICATION AND COORDINATING AS SOON AS A PO OR PAYMENT IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MODIFICATION INSPECTOR:

1. THE MODIFICATION INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSPECTION TO:

- REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE
- INSPECTIONS
- DISCUSS ANY SITE SPECIFIC INSPECTIONS OR CONCERNS

2. THE MODIFICATION INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR (GC) INSPECTION AND TEST REPORTS. REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE INXFEILD INSPECTIONS, AND SUBMITTING THE MODIFICATION INSPECTION REPORT.

GENERAL CONTRACTOR:

1. THE GC IS REQUIRED TO CONTACT THE MODIFICATION INSPECTOR AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO:

- REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MODIFICATION INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

2. THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MODIFICATION INSPECTION CHECKLIST.

RECOMMENDATIONS:

1. IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, TO THE MODIFICATION INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR HE MODIFICATION INSPECTION TO BE CONDUCTED.

- THE GC AND MODIFICATION INSPECTION COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE IT IS PREFERRED TO HAVE THE MODIFICATION INSPECTOR AND GC ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR REXTENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTION TO ALLOW FOUNDATION AND MODIFICATION INSPECTION(S) DONE IN ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MODIFICATION INSPECTOR ON-SITE DURING THE MODIFICATION INSPECTION. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MODIFICATION INSPECTION CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CANCELLATION OR DELAYS IN SCHEDULED MODIFICATION INSPECTION:

1. IF THE GC AND MODIFICATION INSPECTOR AGREE TO A DATE ON WHICH THE MODIFICATION INSPECTION WILL BE CONDUCTED, AND EITHER ARTY CANCELS OR DELAYS, THE TOWER OWNER SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEES, LOSS OR DEPOSITS AND/OR OTHER PENALTIES RELATE TO THE CANCELLATION OR DELAY INCURRED BY EITHER PARTY FOR ANY TIME. EXCEPTIONS MAY BE MADE IN THE DELAY/ CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

CORRECTION OF FAILING MODIFICATION INSPECTION:

1. IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH MODIFICATION INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION. OR, WITH TOWER OWNER'S APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO REXANALYZE THE MODIFCATION/REINFORCEMENT USING AS-BUILT CONDITION.

VERIFICATION INSPECTIONS:

1. TOWER OWNER RESERVES THE RIGHT TO CONDUCT A VERIFICATION INSPECTION TO VERIFY THE ACCURACY AND COMPLETENESS OF PREVIOUSLY COMPLETED MODIFICATION AND INSPECTION(S) ON TOWER MODIFICATION PRODUCTS.

2. VERIFICATION INSPECTION MAY BE CONDUCTED BY AN INDEPENDENT FIRM AFTER A MODIFICATION PROJECT IS COMPLETED, AS MARKED BY THE DATE OF AN ACCEPTED "PASSING MODIFICATION INSPECTION MODIFICATION INSPECTION" REPORT FOR THE ORIGINAL PROJECT.

REQUIRED PHOTOS:

1. BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS ARE TO BE TAKEN AND INCLUDED IN THE MODIFICATION INSPECTION REPORT:

- PREXCONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - WELD PREPARATION
  - FOUNDATION MODIFICATION
  - BOLT INSTALLATION AND TORQUE
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONDITION PHOTOGRAPHS
- FINAL INFIELD CONDITION ANY OTHER PHOTOS DEEMED RELEVANT TO SHOW COMPLETE DENTALS OF MODIFICATIONS

2. PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

NO.	DATE	DESCRIPTION	BY

REVISIONS

STATE OF CONNECTICUT
JASON CHERONIS
PEN.0032793
LICENSED
PROFESSIONAL ENGINEER

CROWN CASTLE

CARRIER:

AT&T

SITE NAME: SOUTHINGTON ROGUS

BU NUMBER: 841298

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SCALE: N.T.S.	

MODIFICATION INSPECTION CHECKLIST

S-4

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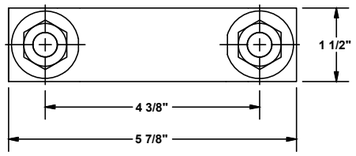

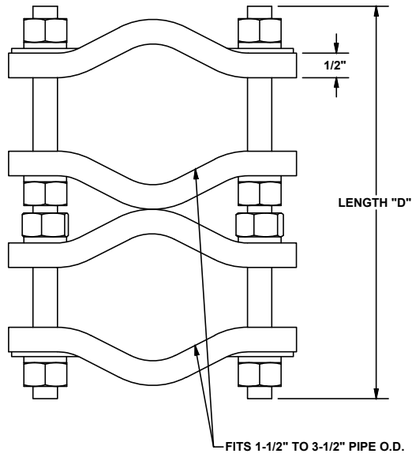

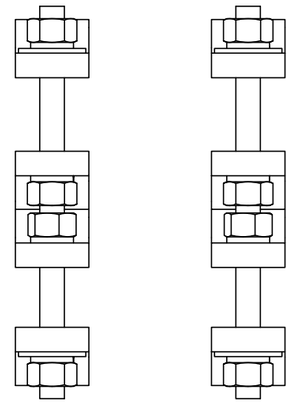

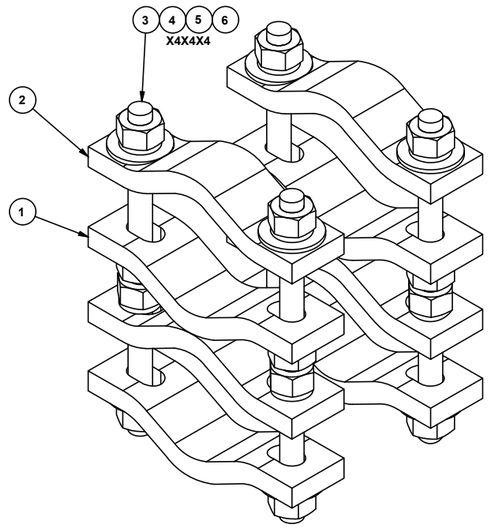

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	BBS	SMALL TO SMALL, BACK TO BACK		2.50	5.00
2	4	SCP	CLAMP HALF, 1/2" THICK, 5-7/8"		1.25	5.00
3	A	B	1/2" THREADED ROD	D	E	F
4	16	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	1.14
5	16	G12LW	1/2" HDG LOCKWASHER		0.01	0.22
6	16	G12FW	1/2" HDG USS FLATWASHER		0.03	0.54

VARIABLE PARTS TABLE						
ASSEMBLY "A"	QTY "B"	PART "C"	LENGTH "D"	UNIT WT. "E"	NET WT. "F"	TOTAL WEIGHT
SCP08W	4	G12R-8	8"	.45	1.78	13.22
SCP10W	4	G12R-10	10"	.56	2.23	13.67

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

DESCRIPTION
WELDED PIPE TO PIPE CLAMP SET
1-1/2" TO 3-1/2" PIPE
1/2" THICK CLAMP

SITE PRO 1 — A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	KC8 8/21/2012		SEE ASSEMBLY "A"	1 OF 1

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
81	01	CUSTOMER	CEK 2/17/2013	SCPxxW

NO.	DATE	DESCRIPTION	BY

REVISIONS

CROWN CASTLE

CARRIER:
AT&T

SITE NAME: SOUTHINGTON ROGUS
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SCALE: N.T.S.

DETAILS/PARTS

S-5 REV 0

PAUL J. FORD & COMPANY

STATE OF CONNECTICUT
THOMAS J. DEHNKE
36041
LICENSED
PROFESSIONAL ENGINEER

05/02/2023

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Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
						(T6)		
						Bottom Girt (T3)	32.4	Pass
						Bolt Checks	55.5	Pass
						Rating =	98.5	Pass

Table 5 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Flange Jump / Leg Splice Connection	60	58.4	Pass
1	Flange Jump / Leg Splice Connection	40	83.8	Pass
1	Bridge Stiffener Connection	20	72.4	Pass
1	Anchor Rod Bracket	0	28.9	Pass
1	Anchor Rods	0	58.4	Pass
1	Base Foundation Structural	0	12.7	Pass
1	Base Foundation Soil Interaction	0	63.3	Pass

Structure Rating (max from all components) =	**98.5%**

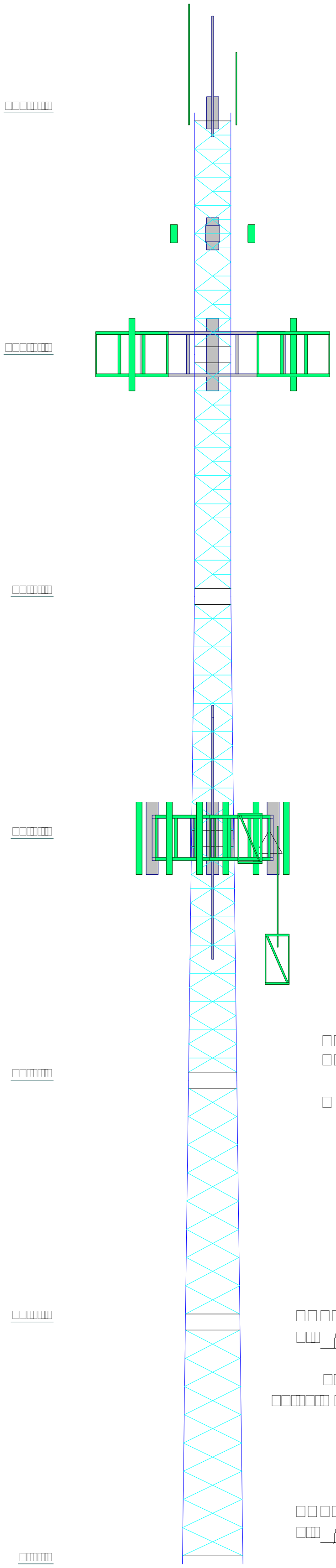
Notes:

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

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

4.1) Recommendations

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



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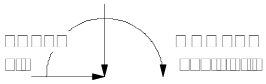

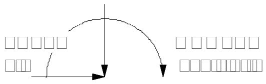

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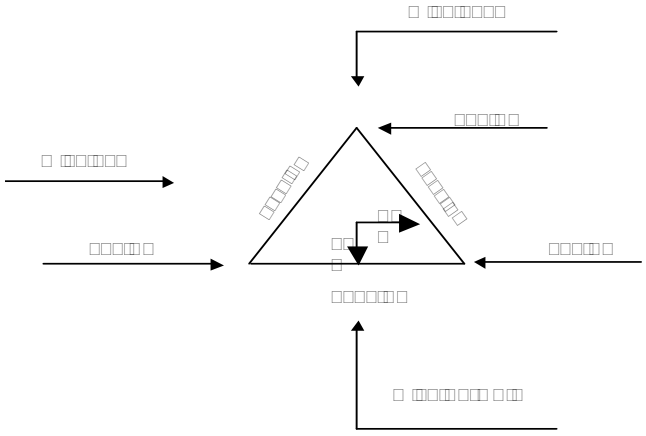
Tower Input Data

The main tower is a 3x free standing tower with an overall height of 120.00 ft above the ground line.
The base of the tower is set at an elevation of 0.00 ft above the ground line.
The face width of the tower is 3.00 ft at the top and 5.00 ft at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

- Tower is located in Hartford County, Connecticut.
- Tower base elevation above sea level: 343.00 ft.
- Basic wind speed of 118.00 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.00 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50.00 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60.00 mph.
- TIA-222-H Annex S.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in tower member design is 1.05.
- 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.
- 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



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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	120	Leg	A325N	0.63	4	3.66	20.34	0.180	1.05	Bolt Tension
T2	100	Leg	A325N	0.63	4	11.86	20.34	0.583	1.05	Bolt Tension
T3	80	Secondary Horizontal	A325N	0.50	1	1.89	8.84	0.214	1.05	Bolt Shear
T4	60	Secondary Horizontal	A325N	0.50	1	1.99	8.84	0.226	1.05	Bolt Shear

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 $P_u / \phi P_n$
T1	120 - 100	1 1/2	20.00	2.33	74.7 K=1.00	1.77	-14.87	52.90	0.281 [1]
T2	100 - 80	1 1/2	20.00	2.33	74.7 K=1.00	1.77	-48.73	52.90	0.921 [1]
T3	80 - 60	841298_1.50 SR w/0.25 x 2.375 HP	20.00	1.18	67.7 K=1.00	2.60	-76.97	79.12	0.973 [1]
T4	60 - 40	841298_1.75 SR w/0.154 x 2.375 HP	20.00	1.18	52.9 K=1.00	2.94	-111.59	107.93	1.034 [1]
T5	40 - 20	841298_2 SR w/0.276 x 2.875 HP	20.00	2.33	64.8 K=1.00	4.27	-144.38	141.35	1.021 [1]
T6	20 - 0	841298_2.25 SR w/0.276 x 2.875 HP	20.00	2.33	58.4 K=1.00	5.10	-173.80	178.92	0.971 [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 $P_u / \phi P_n$
T1	120 - 100	5/8	3.80	1.82	125.9 K=0.90	0.31	-1.70	4.32	0.393 [1]
T2	100 - 80	5/8	3.80	1.82	125.9 K=0.90	0.31	-2.82	4.32	0.652 [1]
T3	80 - 60	5/8	3.84	1.86	128.7 K=0.90	0.31	-3.29	4.16	0.790 [1]
T4	60 - 40	3/4	4.59	2.23	128.3 K=0.90	0.44	-3.66	6.02	0.609 [1]
T5	40 - 20	7/8	5.03	2.44	120.3 K=0.90	0.60	-2.98	9.09	0.327 [1]
T6	20 - 0	7/8	5.48	2.65	130.9 K=0.90	0.60	-3.04	7.91	0.384 [1]

[1] P_u / ϕP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	120 - 100	3/4	3.00	2.88	128.8 K=0.70	0.44	-0.33	5.98	0.055 [1]
T2	100 - 80	3/4	3.00	2.88	128.8 K=0.70	0.44	-1.15	5.98	0.193 [1]

[1] P_u / ϕP_n controls

Secondary Horizontal Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	120 - 100	5/8	1.50	1.44	110.4 K=1.00	0.31	-0.00	5.66	0.000 [1]
T2	100 - 80	5/8	1.50	1.44	110.4 K=1.00	0.31	-0.00	5.66	0.000 [1]
T3	80 - 60	1x1	3.45	3.33	138.4 K=1.00	1.00	-1.50	11.80	0.127 [1]
T4	60 - 40	1x1	3.95	3.81	158.3 K=1.00	1.00	-1.99	9.02	0.221 [1]

[1] P_u / ϕP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	120 - 100	1	3.00	2.88	96.6 K=0.70	0.79	-0.07	15.57	0.004 [1]
T2	100 - 80	1	3.00	2.88	96.6 K=0.70	0.79	-0.90	15.57	0.058 [1]
T3	80 - 60	1	3.02	2.89	97.2 K=0.70	0.79	-1.50	15.48	0.097 [1]
T4	60 - 40	1	3.52	3.37	113.3 K=0.70	0.79	-1.99	12.95	0.154 [1]
T5	40 - 20	1	4.02	3.85	129.4 K=0.70	0.79	-2.55	10.54	0.242 [1]
T6	20 - 0	1	4.52	4.33	145.5 K=0.70	0.79	-3.05	8.39	0.364 [1]

[1] P_u / ϕP_n controls

Bottom Girt Design Data (Compression)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	120 - 100	3/4	3.00	2.88	128.8 K=0.70	0.44	-0.92	5.98	0.155 [1]
T2	100 - 80	3/4	3.00	2.88	128.8 K=0.70	0.44	-1.65	5.98	0.275 [1]
T3	80 - 60	3/4	3.48	3.36	150.5 K=0.70	0.44	-1.50	4.41	0.340 [1]
T4	60 - 40	1	3.98	3.84	128.9	0.79	-1.99	10.61	0.188 [1]

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T5	40 - 20	1	4.48	4.32	K=0.70 145.0	0.79	-2.55	8.43	0.302 [1]
T6	20 - 0	1	4.98	4.80	K=0.70 161.1 K=0.70	0.79	-1.73	6.83	0.252 [1]

[1] P_u / ϕP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	120 - 100	1 1/2	20.00	0.67	21.3	1.77	14.65	79.52	0.184 [1]
T2	100 - 80	1 1/2	20.00	0.67	21.3	1.77	47.44	79.52	0.597 [1]
T3	80 - 60	841298_1.50 SR w/0.25 x 2.375 HP	20.00	0.67	38.4	2.60	74.27	107.72	0.689 [1]
T4	60 - 40	841298_1.75 SR w/0.154 x 2.375 HP	20.00	0.67	30.0	2.94	106.56	132.44	0.805 [1]
T5	40 - 20	841298_2 SR w/0.276 x 2.875 HP	20.00	0.67	18.5	4.27	136.69	192.06	0.712 [1]
T6	20 - 0	841298_2.25 SR w/0.276 x 2.875 HP	20.00	0.67	16.7	5.10	164.02	229.63	0.714 [1]

[1] P_u / ϕP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	120 - 100	5/8	3.80	1.82	139.9	0.31	1.65	9.94	0.166 [1]
T2	100 - 80	5/8	3.80	1.82	139.9	0.31	2.67	9.94	0.269 [1]
T3	80 - 60	5/8	3.84	1.86	143.0	0.31	3.18	9.94	0.319 [1]
T4	60 - 40	3/4	4.59	2.23	142.6	0.44	3.53	14.31	0.247 [1]
T5	40 - 20	7/8	5.03	2.44	133.7	0.60	2.91	19.48	0.149 [1]
T6	20 - 0	7/8	5.48	2.65	145.4	0.60	2.99	19.48	0.154 [1]

[1] P_u / ϕP_n controls

Horizontal Design Data (Tension)

Section No.	Elevation	Size	L	L_u	Kl/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
T1	120 - 100	3/4	3.00	2.88	184.0	0.44	0.45	14.31	0.031 [1]
T2	100 - 80	3/4	3.00	2.88	184.0	0.44	1.43	14.31	0.100 [1]

[1] P_u / ϕP_n controls

Secondary Horizontal 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	120 - 100	5/8	1.50	1.44	110.4	0.31	0.00	13.81	0.000 [1]
T2	100 - 80	5/8	1.50	1.44	110.4	0.31	0.00	13.81	0.000 [1]
T3	80 - 60	1x1	3.05	2.92	121.4	0.28	1.88	13.71	0.137 [1]
T4	60 - 40	1x1	3.95	3.81	158.3	0.28	1.99	13.71	0.145 [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	120 - 100	1	3.00	2.88	138.0	0.79	0.07	25.45	0.003 [1]
T2	100 - 80	1	3.00	2.88	138.0	0.79	0.90	25.45	0.035 [1]
T3	80 - 60	1	3.02	2.89	138.8	0.79	1.50	25.45	0.059 [1]
T4	60 - 40	1	3.52	3.37	161.8	0.79	1.99	25.45	0.078 [1]
T5	40 - 20	1	4.02	3.85	184.8	0.79	2.55	25.45	0.100 [1]
T6	20 - 0	1	4.52	4.33	207.8	0.79	3.05	25.45	0.120 [1]

[1] P_u / ϕP_n controls

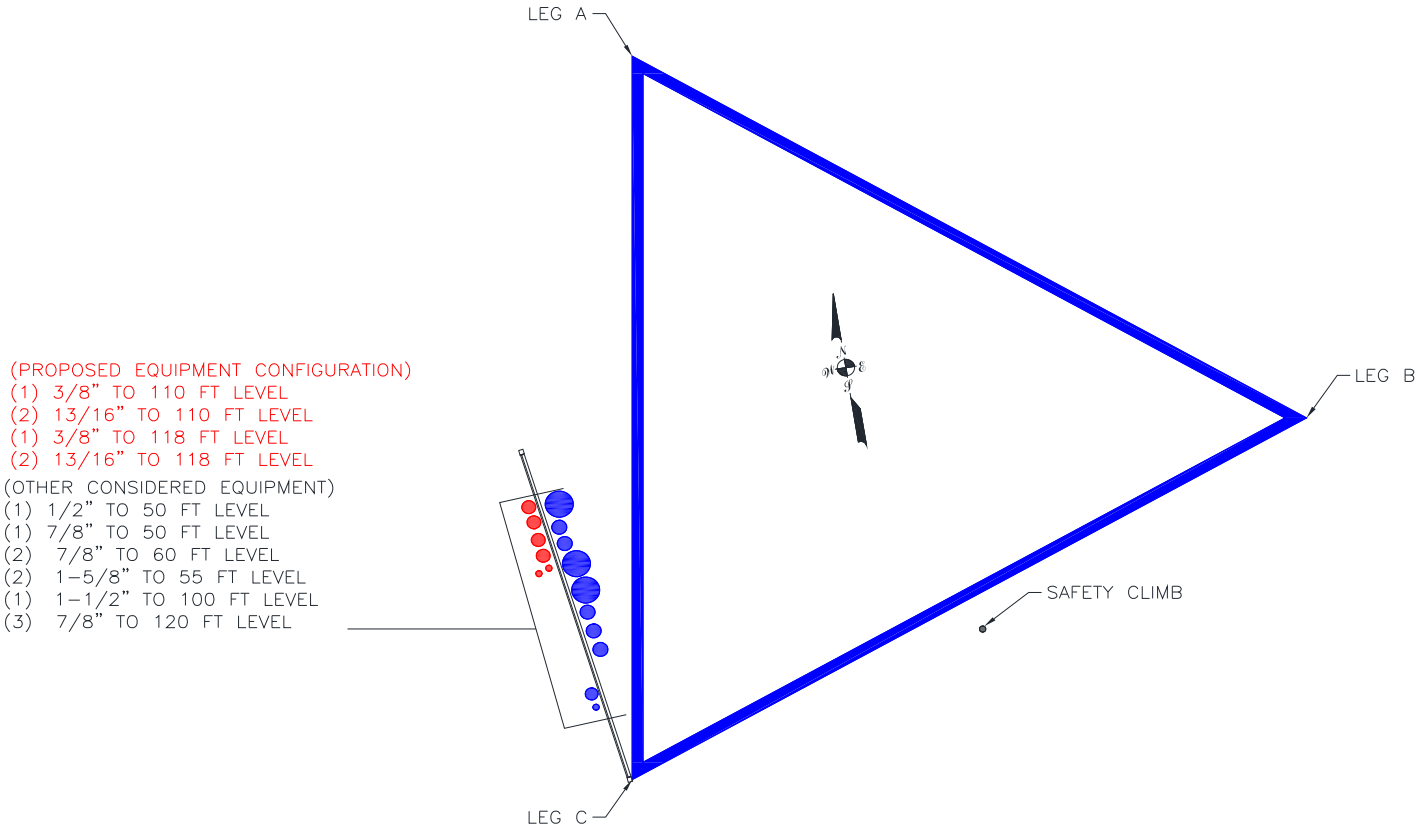
Bottom Girt Design Data (Tension)

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	120 - 100	3/4	3.00	2.88	184.0	0.44	0.89	14.31	0.062 [1]
T2	100 - 80	3/4	3.00	2.88	184.0	0.44	1.57	14.31	0.109 [1]
T3	80 - 60	3/4	3.48	3.36	214.9	0.44	1.50	14.31	0.105 [1]
T4	60 - 40	1	3.98	3.84	184.2	0.79	1.99	25.45	0.078 [1]
T5	40 - 20	1	4.48	4.32	207.2	0.79	2.55	25.45	0.100 [1]
T6	20 - 0	1	4.98	4.80	230.2	0.79	1.64	25.45	0.064 [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	120 - 100	Leg	1 1/2	3	-14.87	55.54	26.8	Pass
T2	100 - 80	Leg	1 1/2	89	-48.73	55.54	87.7	Pass
T3	80 - 60	Leg	841298_1.50 SR w/0.25 x 2.375 HP	175	-76.97	83.07	92.6	Pass
T4	60 - 40	Leg	841298_1.75 SR w/0.154 x 2.375 HP	256	-111.59	113.32	98.5	Pass
T5	40 - 20	Leg	841298_2 SR w/0.276 x 2.875 HP	336	-144.38	148.42	97.3	Pass
T6	20 - 0	Leg	841298_2.25 SR w/0.276 x 2.875 HP	393	-173.80	187.86	92.5	Pass


LEG A
LEG B
LEG C
SAFETY CLIMB
(PROPOSED EQUIPMENT CONFIGURATION)
(1) 3/8" TO 110 FT LEVEL
(2) 13/16" TO 110 FT LEVEL
(1) 3/8" TO 118 FT LEVEL
(2) 13/16" TO 118 FT LEVEL
(OTHER CONSIDERED EQUIPMENT)
(1) 1/2" TO 50 FT LEVEL
(1) 7/8" TO 50 FT LEVEL
(2) 7/8" TO 60 FT LEVEL
(2) 1-5/8" TO 55 FT LEVEL
(1) 1-1/2" TO 100 FT LEVEL
(3) 7/8" TO 120 FT LEVEL

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Max ratio: 1.05
Rating includes max ratio? Y

Job Number: 37523-0303.001.8700
Site Number: 841298
Site Name: SOUTHINGTON ROGUS
WO No.: 2214060
Order No.: 586244 Rev 6
Engineer: CMH

v1.6 - Effective 6/18/20 Date: 05/01/23

Modified Member Calculation Summary - TIA-222-H

Elevations		Existing Member			Reinforcement			Built-up Member						Capacity: ϕPn			Loads	Rating	
Bottom	Top	Type	L_u	Area	Type	a_i	Area	Connection Type	a_i/r_i	$(KL/r)_o$	$(KL/r)_m$	F'_y	F_{cr}	Comp.	Cope	Crushing	Comp.		
ft	ft		in	in^2		in	in^2		a_i/r_{ib}			ksi	ksi	kip	kip	kip	kip		
60	80	SR 1.500"	14.0	1.77	1/2 Sleeve 2.375" x 0.250"	9.0	0.83	Welded	27.07	32.66	32.66	46.00	42.81	100.25	91.50	79.52	76.97	92.2%	PASS
40	60	SR 1.750"	14.0	2.41	1/2 Sleeve 2.375" x 0.154"	9.0	0.54	Welded	26.18	29.64	29.64	50.00	46.89	124.18	N/A	108.24	111.59	98.2%	PASS
20	40	SR 2.000"	28.0	3.14	1/2 Sleeve 2.875" x 0.276"	12.0	1.13	Welded	29.60	49.94	49.94	50.00	41.66	160.05	N/A	141.37	144.38	97.3%	PASS
0	20	SR 2.250"	28.0	3.98	1/2 Sleeve 2.875" x 0.276"	12.0	1.13	Welded	29.60	44.76	44.76	50.00	43.19	198.33	N/A	178.92	173.80	92.5%	PASS

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Job Number:	37523-0303.001.8700	**Page:**	1 of 1
Site Number:	SOUTHINGTON ROGUS	**Date:**	5/1/2023
Site Name:	841298	**Version:**	1.3
WO No.:	2214060	**Effective:**	3/24/2021
Order No.:	586244 Rev 6	**By:**	CMH

Anchor Rod Bracket Plate Analysis

Existing Leg Outer Diameter :	1.75	inches	Pipe Leg?:	No	60-ft
Existing Pipe Leg Wall Thickness :		inches			
Existing Pipe Leg F_y :		ksi	Existing Pipe Leg Fu :		
Existing Pipe Leg Load :		kip			
Anchor CL to Structure Face:	6	inches			
Anchor Type :	Anchor Rod				
Anchor Size :	CCI-AR-0100				
Anchor Net Area :		in^2			
Anchor F_u :		ksi			
Anchor Design Tensile Capacity :		kip			
Anchor Analysis Tensile Load :	37.135	kip		1.05	Maximum Ratio
Threaded Rod Capacity	60.57	kip		Analysis Ratio	
Tube Size :	HSS 3 x 3 x 0.375			0.584	
Tube Grade:	A500 Gr. C (Fy=50)				
Tube F_y :	50	ksi			
Tube Unbraced Length :	1	inches		Analysis Ratio	
Tube Compressive Capacity :	152.51	kip		0.243	
Washer Plate Thickness :	1.25	inches			
Washer Plate F_y :	A572 Gr. 50			Analysis Ratio	
Washer Shear Capacity	172.30	kip		0.216	
Bracket Plate Thickness :	0.375	inches			
Bracket Plate Height :	12	inches			
Bracket Plate Width :	4.5	inches			
Bracket Plate Grade:	A572 Gr. 50				
Bracket Plate F_y :	50	ksi	Bracket Plate Analysis Ratios		
Bracket Moment Capacity :	405	kip-in	Moment:	0.550	<--Governs Bracket Plate
Bracket Shear Capacity :	121.5	kip	Shear:	0.306	
			Interaction:	0.396	
Tube to Bracket Weld Size :	5	/16 inch			
Tube to Bracket Weld Length :	12	inches		Analysis Ratio	
Tube to Bracket Weld Capacity :	103.05	kip		0.360	
Structure to Bracket Weld Size :	5	/16 inch			
Structure to Bracket Weld Length :	12	inches		Analysis Ratio	
Structure to Bracket Weld Capacity :	103.05	kip		0.360	
Local Pipe Moment :	222.81	kip-in		Analysis Ratio	
Local Pipe Moment Capacity :	N/A	kip-in		N/A	*Not Pipe Leg*
Local Pipe Shear :	9.284	kip		Analysis Ratio	
Local Pipe Shear Capacity :	N/A	kip		N/A	*Not Pipe Leg*

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Job Number:	37523-0303.001.8700	**Page:**	1 of 1
Site Number:	SOUTHINGTON ROGUS	**Date:**	5/1/2023
Site Name:	841298	**Version:**	1.3
WO No.:	2214060	**Effective:**	3/24/2021
Order No.:	586244 Rev 6	**By:**	CMH

Anchor Rod Bracket Plate Analysis

Existing Leg Outer Diameter :	2	inches	Pipe Leg?:	No	40-ft
Existing Pipe Leg Wall Thickness :		inches			
Existing Pipe Leg F_y :		ksi	Existing Pipe Leg Fu :		
Existing Pipe Leg Load :		kip			
Anchor CL to Structure Face:	6	inches			
Anchor Type :	Anchor Rod				
Anchor Size :	CCI-AR-0100				
Anchor Net Area :		in^2			
Anchor F_u :		ksi			
Anchor Design Tensile Capacity :		kip			
Anchor Analysis Tensile Load :	53.28	kip		1.05	Maximum Ratio
Threaded Rod Capacity	60.57	kip		Analysis Ratio	
Tube Size :	HSS 3 x 3 x 0.375			0.838	
Tube Grade:	A500 Gr. C (Fy=50)				
Tube F_y :	50	ksi			
Tube Unbraced Length :	1	inches		Analysis Ratio	
Tube Compressive Capacity :	152.51	kip		0.349	
Washer Plate Thickness :	1.25	inches			
Washer Plate F_y :	A572 Gr. 50			Analysis Ratio	
Washer Shear Capacity	172.30	kip		0.309	
Bracket Plate Thickness :	0.375	inches			
Bracket Plate Height :	12	inches			
Bracket Plate Width :	4.5	inches			
Bracket Plate Grade:	A572 Gr. 50				
Bracket Plate F_y :	50	ksi	Bracket Plate Analysis Ratios		
Bracket Moment Capacity :	405	kip-in	Moment:	0.789	
Bracket Shear Capacity :	121.5	kip	Shear:	0.439	
			Interaction:	0.815	<--Governs Bracket Plate
Tube to Bracket Weld Size :	5	/16 inch			
Tube to Bracket Weld Length :	12	inches		Analysis Ratio	
Tube to Bracket Weld Capacity :	103.05	kip		0.517	
Structure to Bracket Weld Size :	5	/16 inch			
Structure to Bracket Weld Length :	12	inches		Analysis Ratio	
Structure to Bracket Weld Capacity :	103.05	kip		0.517	
Local Pipe Moment :	319.68	kip-in		Analysis Ratio	
Local Pipe Moment Capacity :	N/A	kip-in		N/A	*Not Pipe Leg*
Local Pipe Shear :	13.320	kip		Analysis Ratio	
Local Pipe Shear Capacity :	N/A	kip		N/A	*Not Pipe Leg*

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TIA-222 Rev: H
Section 15.5: Yes

Job Number: 37523-0303.001.8700
Site Number: 841298
Site Name: Southington Rogus
WO No.: 2214060
Order No.: 586244 Rev 6
Engineer: CMH

Version: 1.0 Date: 5/1/2023

Lattice Tower Welded Splice Jump Plate Analysis

Elevation: 20 ft
Analysis or Design: Analysis

Existing Splice:
Splice Type: Sleeve
Bolt Size: 0.75 in
Bolt Grade: A325
Thread Type: N-Included
Number of Bolts: 5
Shear Planes: Double

Loads:
Top Leg Compressive Load: 144.38 kip
Top Leg Tensile Load: 136.69 kip

Plate Info:
Number of Plates: 3
Grade: A572 Gr. 50
Plate Thickness: 1 in
Vertical Plate Width: 3 in
Vertical Clear Distance 24 in
Horizontal Plate Height: 6 in
Clear Distance from Leg: 3 in

Plate F_y: 50 ksi
Plate F_u: 65 ksi
A_g: 3 in^2
Override A_g: in^2
Override CG: in

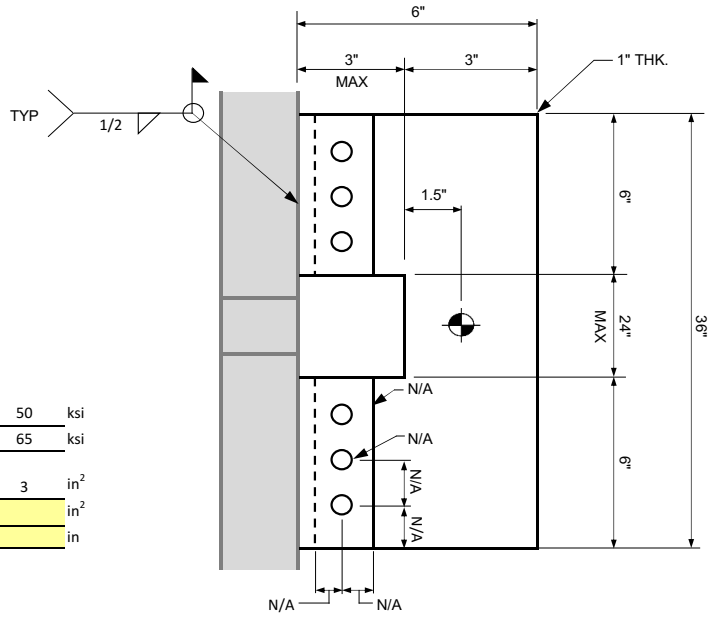
Connection Info:
Type: Welded
Structure to Plate Weld Size: 8 /16 in
Number of Bolts:
Bolt Size: in
Bolt Grade:
Thread Type:
Shear Planes:
Bolt Spacing: in
Plate End Distance: in
Plate Edge Distance: in

Tab Grade: A572 Gr. 50
Tab Thickness: in
Tab End Distance: in
Tab Edge Distance: in
Tab Height: in
Tab Width: in

Tab F_y: 50 ksi
Tab F_u: 65 ksi

Load Distribution:
Cut Plane: Worst
Top Leg Area: 3.14 in^2

	Splice (k)	Plate (k)
Compression:	40.7	35.7
Tension:	35.4	45.6



Results Summary

	Checks	Load (k)	Capacity (k)	Ratio
Plate	Compression	35.7	81.4	41.7%
	Tension	45.6	135.0	32.1%
	Moment (k-in)	205.0	405.0	48.2%
	Shear	45.6	175.5	24.7%
	Tab Shear	---	---	---
	Tab Moment (k-in)	---	---	---
Connection	Bolt Shear	---	---	---
	Bearing	---	---	---
	Block Shear	---	---	---
	Weld	45.6	59.9	72.4%
	Splice Bolts	40.7	198.8	19.5%

Self Support Anchor Rod Capacity

Site Info	
BU #	841298
Site Name	Southington Rogus
Order #	586244 Rev 6

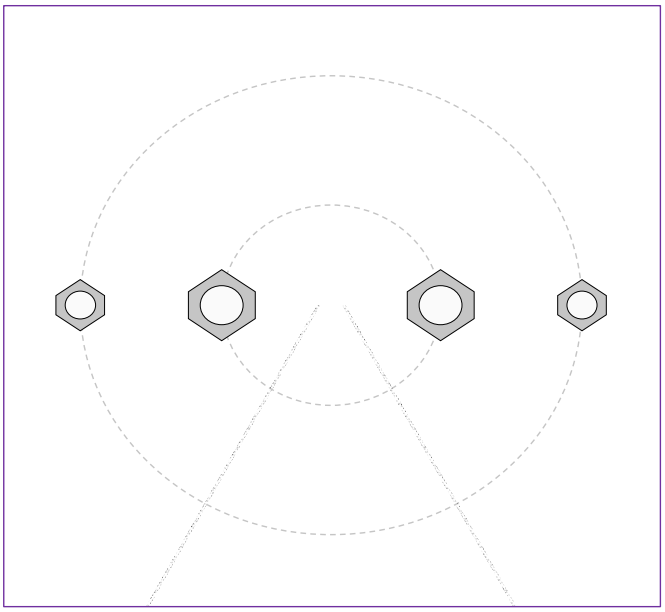
Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	See Custom Sheet
l_{ar} (in)	See Custom Sheet

Applied Loads		
	Comp.	Uplift
Axial Force (kips)	176.00	164.00
Shear Force (kips)	4.00	5.00

**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

GROUP 1: (2) 1-3/4" ø bolts (A572-50 N; Fy=50 ksi, Fu=65 ksi) on 9" BC
pos. (deg): 0, 180
l_{ar} (in): 2.25

GROUP 2: (2) 1-1/4" ø bolts (A193 Gr. B7 N; Fy=105 ksi, Fu=125 ksi) on 20.625" BC
pos. (deg): 0, 180
l_{ar} (in): 1.25

Analysis Results

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

GROUP 1:

Pu_c = 58.28	ϕPn_c = 108.24	**Stress Rating**
Vu = 2	ϕVn = 48.71	**58.4%**
Mu = 2.93	ϕMn = 40.2	**Pass**

GROUP 2:

Pu_t = 27.7	ϕPn_t = 90.84	**Stress Rating**
Vu = 0	ϕVn = 57.52	**29.0%**
Mu = n/a	ϕMn = n/a	**Pass**

Pier and Pad Foundation

BU # :	841298
Site Name:	Southington Rogus
App. Number:	586244, Rev. 6

TIA-222 Revision:	H
Tower Type:	Monopole

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

Superstructure Analysis Reactions

Compression, P_{comp}:	19	kips
Base Shear, Vu_comp:	9	kips
Moment, M_u:	738	ft-kips
Tower Height, **H**:	120	ft
BP Dist. Above Fdn, bp_{dist}:	4	in

Pier Properties

Pier Shape:	Square	
Pier Diameter, **dpier**:	8	ft
Ext. Above Grade, **E**:	0.5	ft
Pier Rebar Size, **Sc**:	9	
Pier Rebar Quantity, **mc**:	46	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	5	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties

Depth, **D**:	5.5	ft
Pad Width, W_1:	16	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	6	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	28	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties

Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	3	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties

Total Soil Unit Weight, γ:	110	pcf
Ultimate Gross Bearing, Qult:	5.000	ksf
Cohesion, **Cu**:		ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:	7	
Base Friction, μ:	0.35	
Neglected Depth, **N**:	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks

	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	88.17	9.00	**9.7%**	**Pass**
Bearing Pressure (ksf)	3.75	1.85	**49.3%**	**Pass**
*Overturning (kip*ft)*	1256.58	795.00	**63.3%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	8275.64	765.00	**8.8%**	**Pass**
Pier Compression (kip)	30551.04	53.56	**0.2%**	**Pass**
*Pad Flexure (kip*ft)*	1725.30	151.20	**8.3%**	**Pass**
Pad Shear - 1-way (kips)	502.81	27.95	**5.3%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.164	0.008	**4.8%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	3450.60	459.00	**12.7%**	**Pass**

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

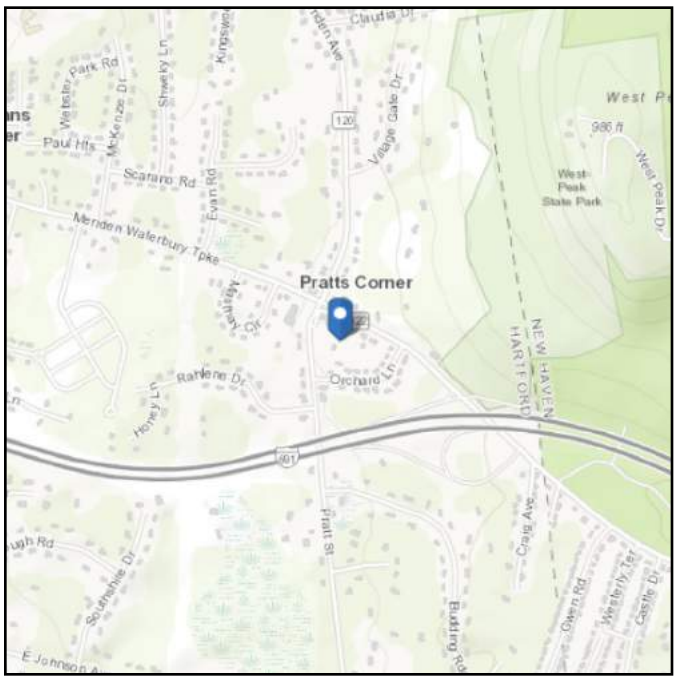
Structural Rating*:	**12.7%**
Soil Rating*:	**63.3%**

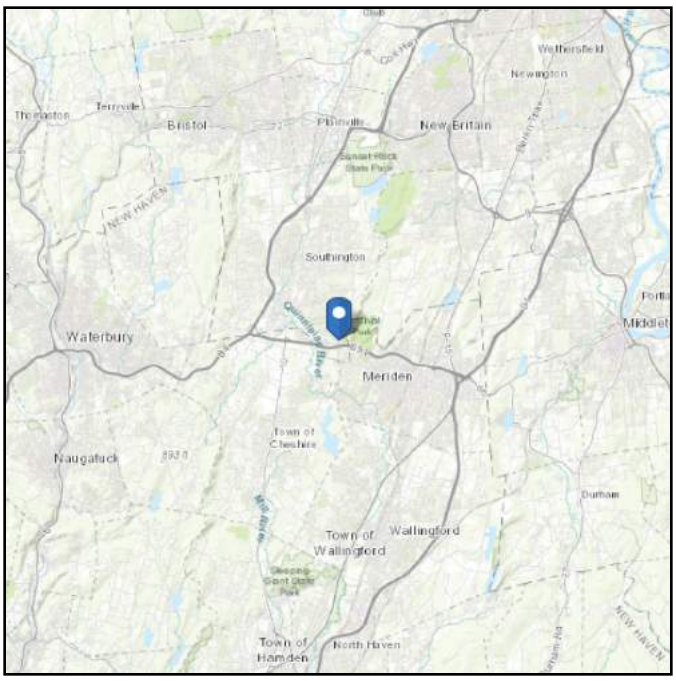
ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-16
Risk Category: II
Soil Class: D - Stiff Soil

Elevation: 343.35 ft (NAVD 88)
Latitude: 41.5568
Longitude: -72.853





Wind

Results:

Wind Speed	118 Vmph
10-year MRI	75 Vmph
25-year MRI	84 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 Jan 28 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.

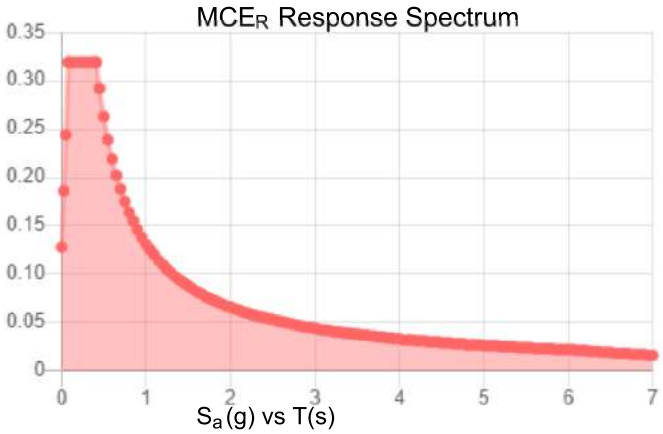
Seismic

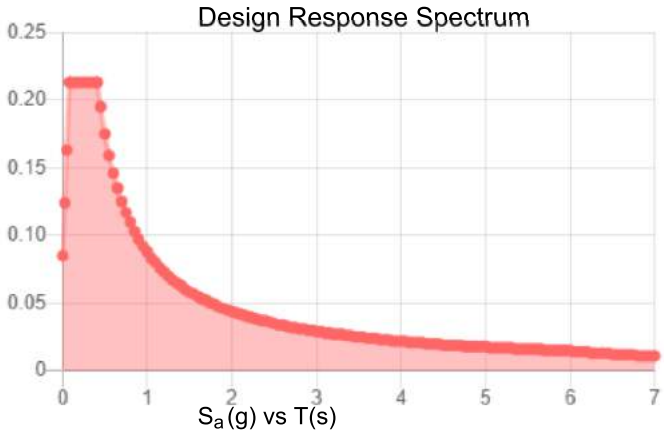
Site Soil Class: D - Stiff Soil

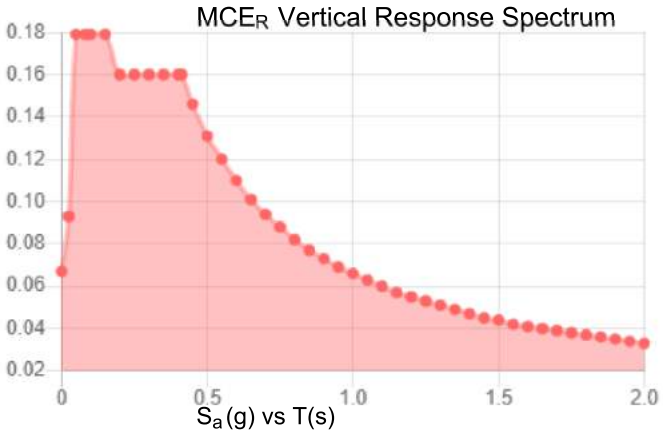
Results:

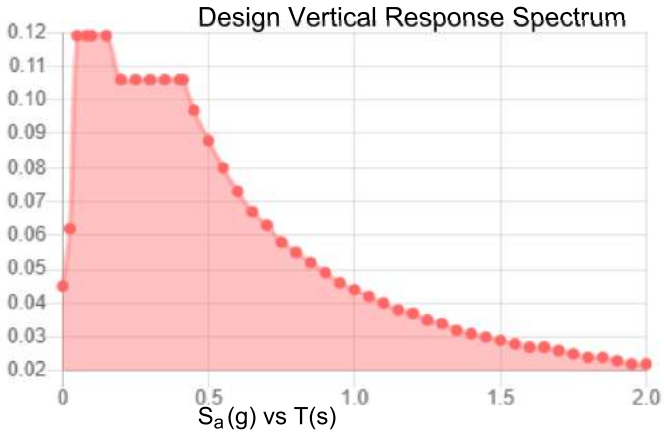
S_S :	0.2	S_{D1} :	0.088
S_1 :	0.055	T_L :	6
F_a :	1.6	PGA :	0.11
F_v :	2.4	PGA_M :	0.174
S_{MS} :	0.319	F_{PGA} :	1.58
S_{M1} :	0.131	I_e :	1
S_{DS} :	0.213	C_v :	0.7

Seismic Design Category B









Data Accessed: **Fri Jan 28 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 Jan 28 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.

AT&T

AT&T SITE NUMBER:	**CT1033**	**BUSINESS UNIT #:**	**841298**
AT&T SITE NAME:	**SOUTHINGTON ROGUS**	**SITE ADDRESS:**	**250 MERIDEN WATERBURY TURNPIKE SOUTHINGTON, CT 06489**
AT&T FA CODE:	**10035233**		
AT&T PACE NUMBER:	**MRCTB062876, MRCTB053453, MRCTB056144, MRCTB055675, MRCTB056129, MRCTB053426**	**COUNTY:**	**HARTFORD**
		SITE TYPE:	**SELF-SUPPORT TOWER**
AT&T PROJECT:	**4TXRX ANTENNA RETROFIT, 5G NR ACTIVATION, 5G NR 1SR CBAND, BBU RECONFIGURATION WITH NEW IDS**	**TOWER HEIGHT:**	**120'-0"**

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	SOUTHINGTON ROGUS
SITE ADDRESS:	250 MERIDEN WATERBURY TURNPIKE SOUTHINGTON, CT 06489
COUNTY:	HARTFORD
MAP/PARCEL #:	015080
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.556827°
LONGITUDE:	-72.853044°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	339'
CURRENT ZONING:	B - BUSINESS
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	ROGUS JOHN 250 MERIDEN WATERBURY TPKE SOUTHINGTON, CT 06489
TOWER OWNER:	CROWN CASTLE USA INC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	AT&T TOWER ASSET GROUP 575 MOROSGO DRIVE ATLANTA, GA 30324-3300
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER CO 800-286-2000
TELCO PROVIDER:	AT&T 866-620-6900

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS MARVIN.PHILLIPS@BTGRP.COM
CROWN CASTLE USA INC. DISTRICT CONTACTS:	3530 TORINGDON WAY, SUITE 300 CHARLOTTE, NC 28277
	VERONICA CHAPMAN - PROJECT MANAGER VERONICA.CHAPMAN@CROWNCASTLE.COM
	JASON D'AMICO - CONSTRUCTION MANAGER JASON.DAMICO@CROWNCASTLE.COM
	HEATHER MILLER - AES HEATHER.MILLER@CROWNCASTLE.COM

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

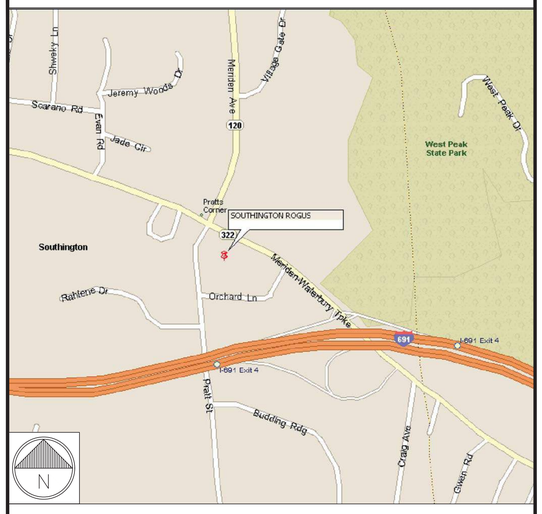
DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1.1	SITE PLAN
C-1.2	EQUIPMENT PLANS
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	ANTENNA SCHEDULE
C-4	EQUIPMENT DETAILS
C-5	EQUIPMENT SPECS.
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS
ATTACHED	PLUMBING DIAGRAM
ATTACHED	MOUNT DESIGN DRAWINGS

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.

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

LOCATION MAP



NO SCALE

SITE PHOTO

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) CCI - OPA-65R-LCUU-H6 ANTENNAS
- REMOVE (6) 1-1/4" COAX CABLES
- RELOCATE (3) ERICSSON - RRUS 4449 B5/B12 RRUs
- INSTALL (3) COMMSCOPE - NNHHS4-65C-R5 ANTENNAS @ 110'-0" C
- INSTALL (3) ERICSSON - RRUS 8863 N77 @ 110'-0" CL
- INSTALL (3) ERICSSON - RRUS 4478 B14 @ 110'-0" CL
- INSTALL (6) Y-CABLES FOR DUAL BAND RADIOS
- INSTALL MOUNT MODIFICATIONS @ 118'-0" LEVEL PER MOUNT DESIGN DRAWINGS BY POWER OF DEISGN GROUP DATED 4/27/23

GROUND SCOPE OF WORK:
- REMOVE (1) GE 48-24v VERTIV SHELF AND (2) UP CONVERTERS
- REMOVE (3) EAST PENN 170AH BATTERY STRINGS
- REMOVE (12) POWERWAVE - CM1007-DBPXBC-003 DIPLEXERS
- INSTALL (4) GE 48V DC RECTIFIERS
- INSTALL (1) 48V BATTERY RACK
- INSTALL (5) 48V STRINGS OF 170AH BATTERIES
- INSTALL (1) Gen 2 RM DC12
- INSTALL (1) 6648 W/XCEDE CABLE

INSTALLER NOTE:
NO PROPOSED LOADING TO BE ADDED UNTIL MOUNT MODIFICATIONS ARE INSTALLED PER MOUNT ANALYSIS BY POWER OF DESIGN GROUP DATED 4/27/23.

NOTE:
THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY. AT&T IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN.

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	2022 CONNECTICUT SBC/2021 IBC
MECHANICAL	2022 CONNECTICUT SBC/2021 IMC
ELECTRICAL	2022 CONNECTICUT SBC/2020 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	PAUL J. FORD AND COMPANY
DATED:	5/2/23
MOUNT ANALYSIS:	POWER OF DESIGN GROUP
DATED:	4/27/23
RFDS REVISION:	FINAL
DATED:	7/21/22
ORDER ID:	586244
REVISION:	6
AC ELECTRICAL POWER DESIGN:	BY OTHERS
DATED:	

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

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

B+T GRP
MTS ENGINEERING, P.L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

AT&T SITE NUMBER: **CT1033**

BU #: **841298**
SOUTHINGTON ROGUS

250 MERIDEN WATERBURY TURNPIKE
SOUTHINGTON, CT 06489

EXISTING
120'-0" SELF-SUPPORT TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/8/22	TDG	PRELIMINARY REVIEW	LR
B	3/23/23	TDG	PRELIMINARY REVIEW	LR
0	5/4/23	GLS	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER: T-1

REVISION: 0

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," CED–STD–10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," 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: AT&T
   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 PRIOR TO FABRICATION 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.

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).

ELECTRICAL INSTALLATION NOTES:

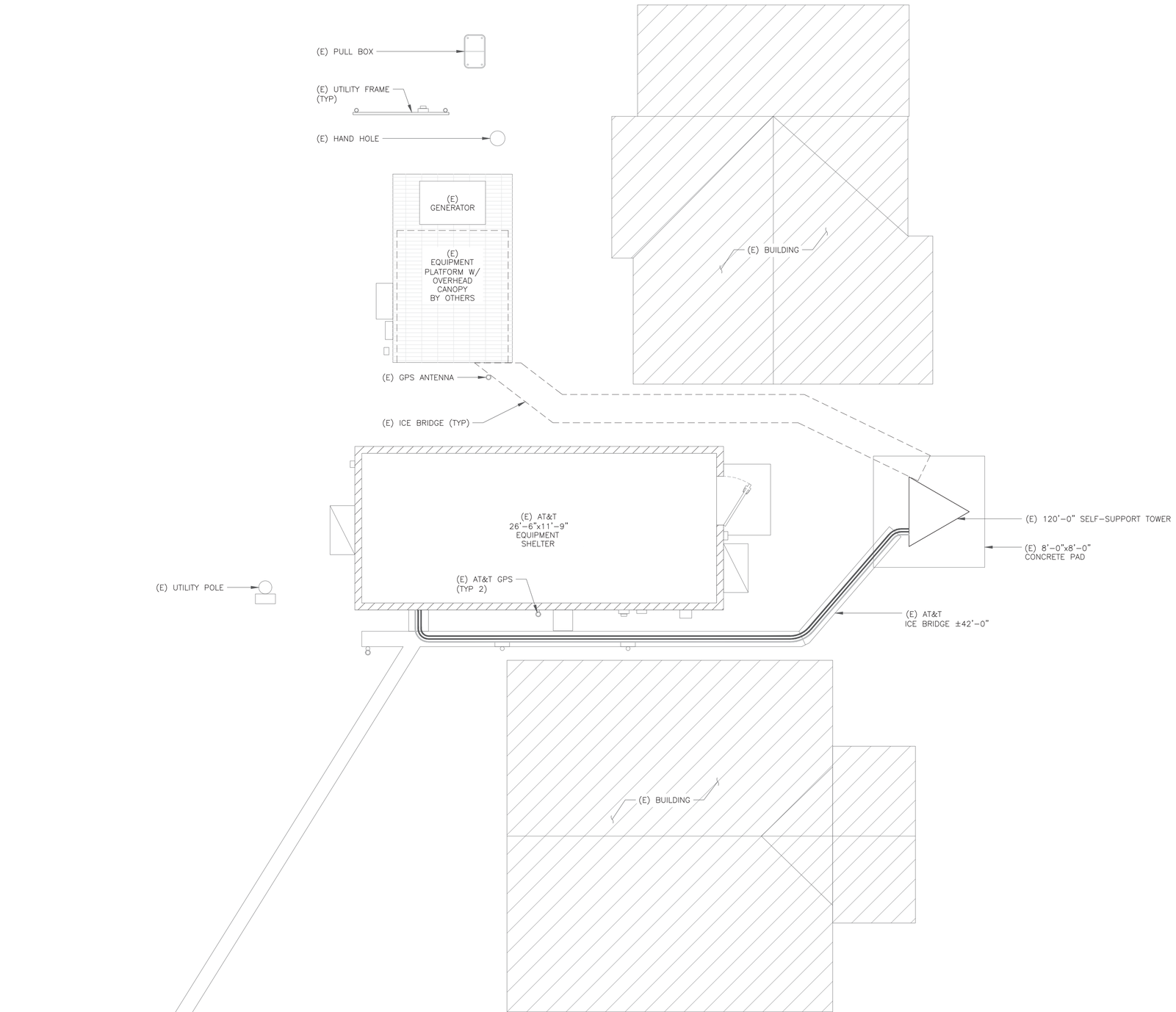
1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
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 FITTED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHINGS ON INSIDE AND GALVANIZED MALLEABLE IRON 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 "AT&T".
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,



1 SITE PLAN

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

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

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

B+T GRP
MTS ENGINEERING, P.L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

AT&T SITE NUMBER: **CT1033**

BU #: **841298**
SOUTHINGTON ROGUS

250 MERIDEN WATERBURY TURNPIKE
SOUTHINGTON, CT 06489

EXISTING
120'-0" SELF-SUPPORT
TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/8/22	TDG	PRELIMINARY REVIEW	LR
B	3/23/23	TDG	PRELIMINARY REVIEW	LR
0	5/4/23	GLS	CONSTRUCTION	LR

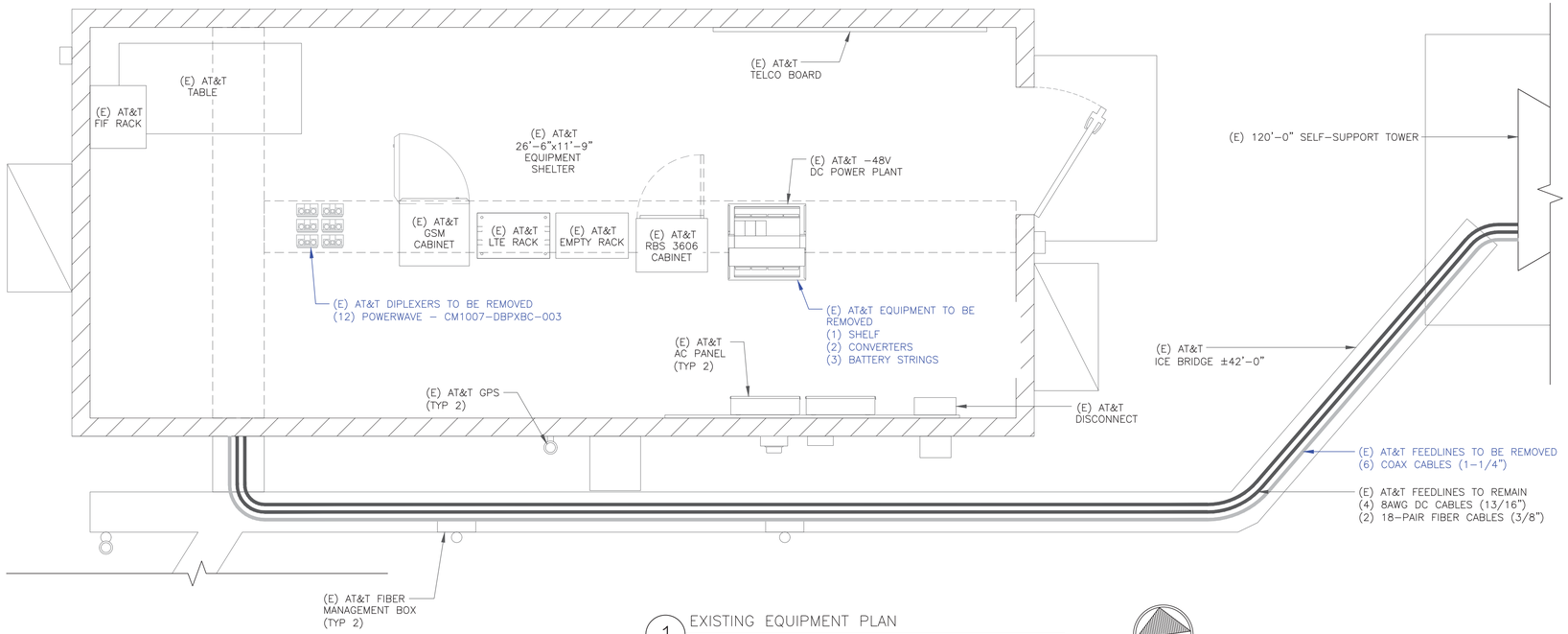
STATE OF CONNECTICUT — LICENSED PROFESSIONAL ENGINEER — No. 23924 — 5/4/23

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER: C-1.1

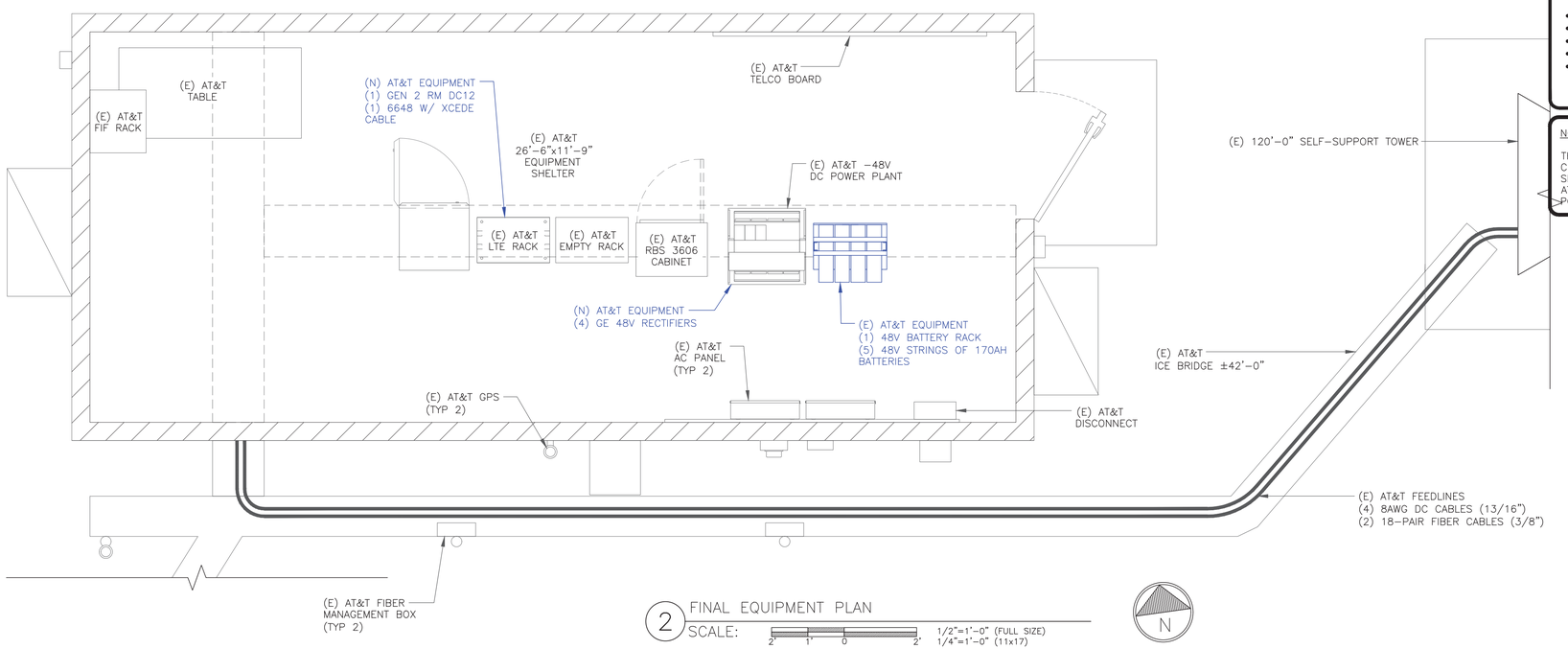
REVISION: 0

164844.001.01_SOUTHINGTON_ROGUS.dwg — Sheet:C-1.1 — User: lisa.rider — May 04, 2023 — 7:53pm



1 EXISTING EQUIPMENT PLAN

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



2 FINAL EQUIPMENT PLAN

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

GROUND SCOPE OF WORK:

- REMOVE (1) GE 48-24v VERTIV SHELF AND (2) UP CONVERTERS
- REMOVE (3) EAST PENN 170AH BATTERY STRINGS
- REMOVE (12) POWERWAVE - CM1007-DBPXBC-003 DIPLEXERS
- INSTALL (4) GE 48V DC RECTIFIERS
- INSTALL (1) 48V BATTERY RACK
- INSTALL (5) 48V STRINGS OF 170AH BATTERIES
- INSTALL (1) Gen 2 RM DC12
- INSTALL (1) 6648 W/XCEDE CABLE

NOTE:

THE POWER DESIGN FOR ANY AC ELECTRICAL POWER CHANGES IS TO BE PERFORMED BY OTHERS AND IS SHOWN HERE FOR REFERENCE PURPOSES ONLY. AT&T IS SOLELY RESPONSIBLE FOR THE ELECTRICAL POWER DESIGN.

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AT&T SITE NUMBER: **CT1033**

BU #: **841298**
SOUTHINGTON ROGUS

250 MERIDEN WATERBURY TURNPIKE
SOUTHINGTON, CT 06489

EXISTING
120'-0" SELF-SUPPORT
TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
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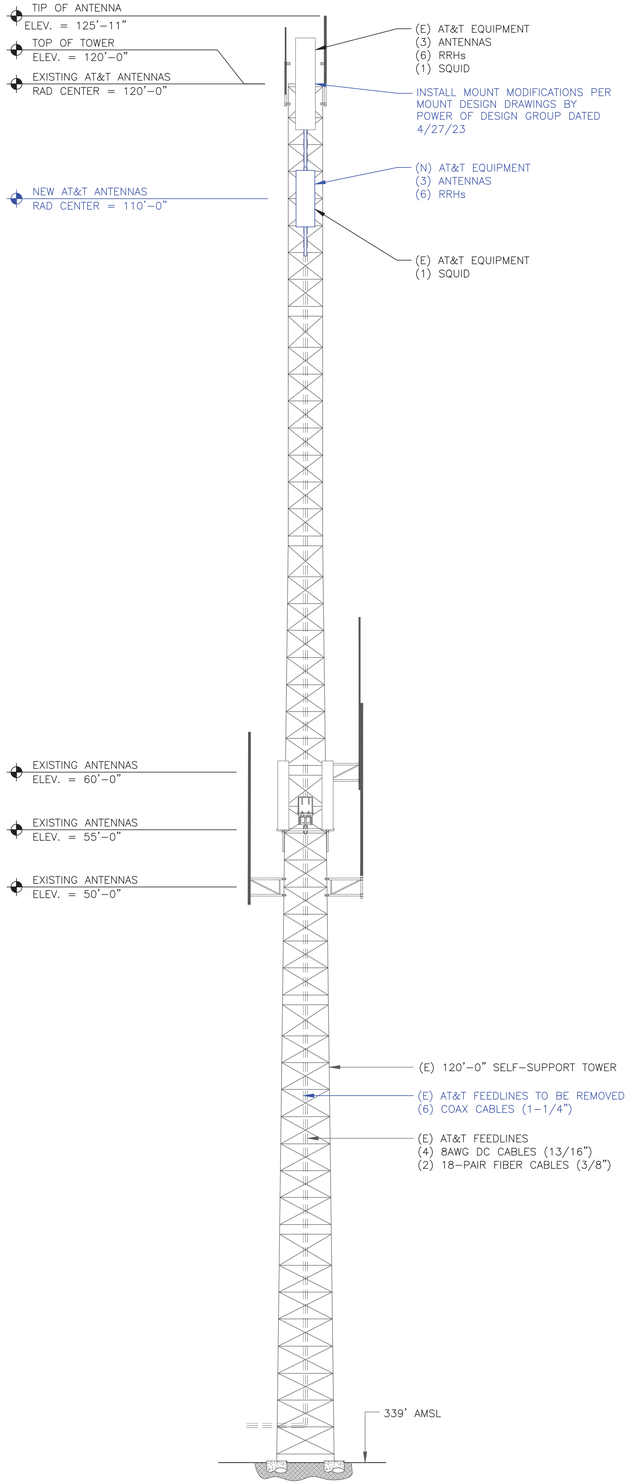
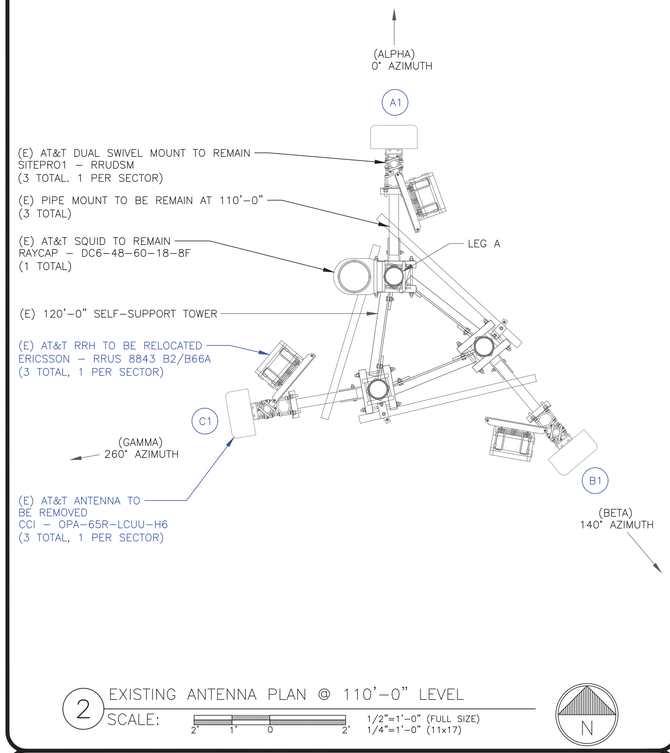
MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER: C-1.2

REVISION: 0

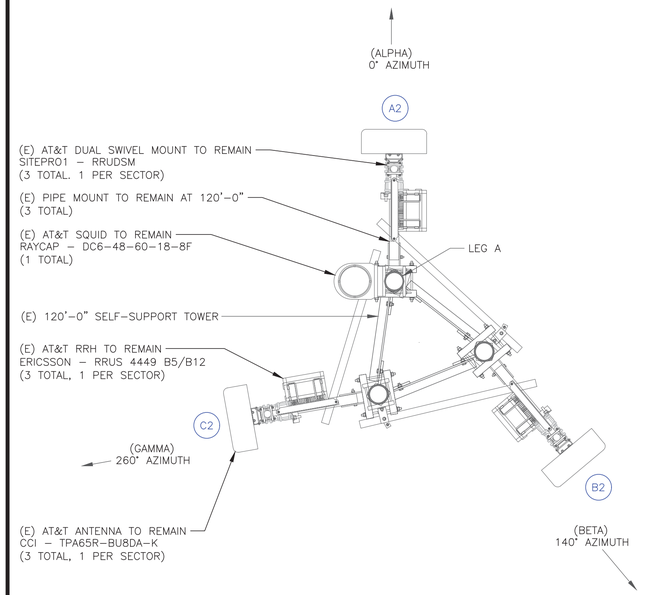


1 FINAL ELEVATION
SCALE: NOT TO SCALE



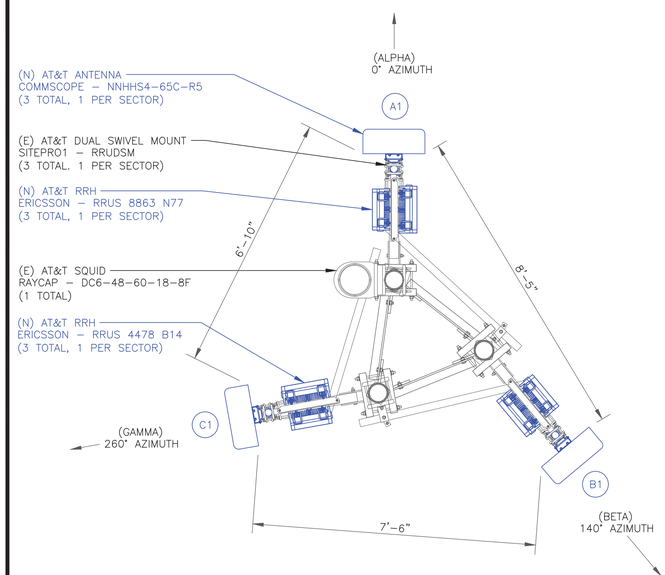
2 EXISTING ANTENNA PLAN @ 110'-0" LEVEL
SCALE: 2' 1' 0 2' 1/2"=1'-0" (FULL SIZE) 1/4"=1'-0" (11x17)

N



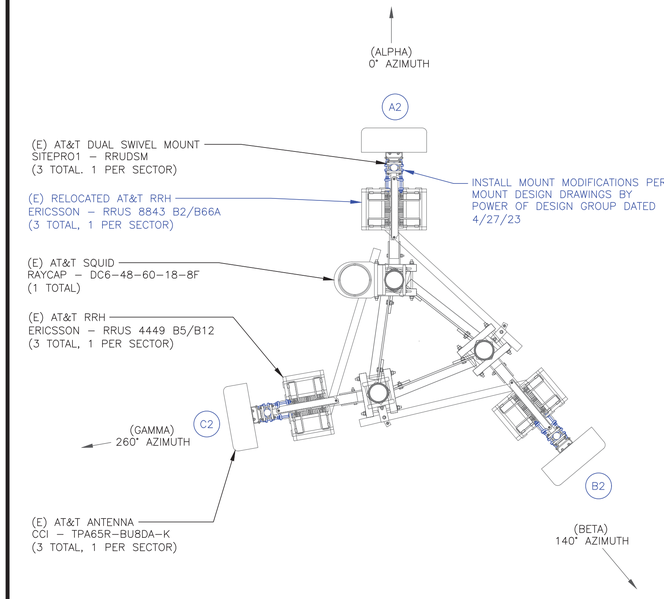
3 EXISTING ANTENNA PLAN @ 120'-0" LEVEL
SCALE: 2' 1' 0 2' 1/2"=1'-0" (FULL SIZE) 1/4"=1'-0" (11x17)

N



4 FINAL ANTENNA PLAN @ 110'-0" LEVEL
SCALE: 2' 1' 0 2' 1/2"=1'-0" (FULL SIZE) 1/4"=1'-0" (11x17)

N



5 FINAL ANTENNA PLAN @ 120'-0" LEVEL
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N

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MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER: C-2

REVISION: 0

FINAL EQUIPMENT SCHEDULE
(VERIFY WITH CURRENT RFDS)

POSITION	ANTENNA				RADIO			DIPLEXER			TMA			SURGE PROTECTION		CABLES			
	TECH.	STATUS/MANUFACTURER MODEL	AZIMUTH	RAD CENTER	QTY.	STATUS/MODEL	LOCATION	QTY.	STATUS	LOCATION	QTY.	STATUS/MANUFACTURER MODEL	QTY.	STATUS/MODEL	QTY.	STATUS/TYPE	SIZE	LENGTH
ALPHA																			
A2	LTE/5G	(E) CCI TPA65R-BU8DA-K	0°	120'-0"	1 1 2	(E) RRUS 4449 B5/B12 (E) RRUS 8843 B2/B66A (N) Y-CABLE	TOWER	–	–	–	–	–	1	(E) DC6-48-60-18-8F	2 1	(E) 8AWG DC (E) 18-PAIR FIBER	13/16" 3/8"	170'-0" 170'-0"
A1	LTE/5G	(N) COMMSCOPE NNHHS4-65C-R5	0°	110'-0"	1	(N) RRUS 4478 B14 (N) RRUS 8863 N77	TOWER	–	–	–	–	–						
BETA																			
B2	LTE/5G	(E) CCI TPA65R-BU8DA-K	140°	120'-0"	1 1 2	(E) RRUS 4449 B5/B12 (E) RRUS 8843 B2/B66A (N) Y-CABLE	TOWER	–	–	–	–	–	1	(E) DC6-48-60-18-8F	2 1	(E) 8AWG DC (E) 18-PAIR FIBER	13/16" 3/8"	170'-0" 170'-0"
B1	LTE/5G	(N) COMMSCOPE NNHHS4-65C-R5	140°	110'-0"	1	(N) RRUS 4478 B14 (N) RRUS 8863 N77	TOWER	–	–	–	–	–						
GAMMA																			
C2	LTE/5G	(E) CCI TPA65R-BU8DA-K	260°	120'-0"	1 1 2	(E) RRUS 4449 B5/B12 (E) RRUS 8843 B2/B66A (N) Y-CABLE	TOWER	–	–	–	–	–	–	–	–	–	–	–
C1	LTE/5G	(N) COMMSCOPE NNHHS4-65C-R5	260°	110'-0"	1	(N) RRUS 4478 B14 (N) RRUS 8863 N77	TOWER	–	–	–	–	–						
														UNUSED FEEDLINES:	–	–	–	–
															–	–	–	–

NOTE:
(E) – EXISTING
(N) – NEW

1 FINAL ANTENNA AND FEEDLINE SCHEDULE
SCALE: NOT TO SCALE

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

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

B+T GRP
MTS ENGINEERING, P.L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

AT&T SITE NUMBER: **CT1033**

BU #: **841298**
SOUTHINGTON ROGUS

250 MERIDEN WATERBURY TURNPIKE
SOUTHINGTON, CT 06489

EXISTING
120'-0" SELF-SUPPORT
TOWER

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/8/22	TDG	PRELIMINARY REVIEW	LR
B	3/23/23	TDG	PRELIMINARY REVIEW	LR
0	5/4/23	GLS	CONSTRUCTION	LR

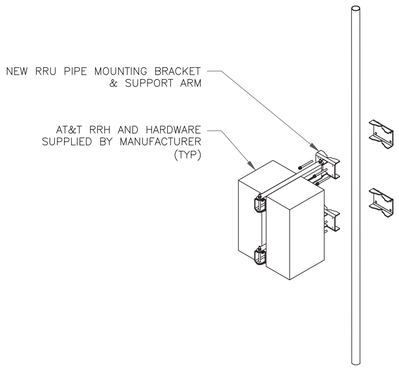
STATE OF CONNECTICUT
No. 23824
LICENSED PROFESSIONAL ENGINEER
5/4/23

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

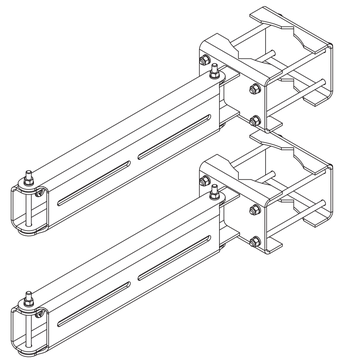
SHEET NUMBER: C-3
REVISION: 0

INSTALLER NOTES:

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



1 DUAL RRH MOUNTING DETAIL
SCALE: NOT TO SCALE



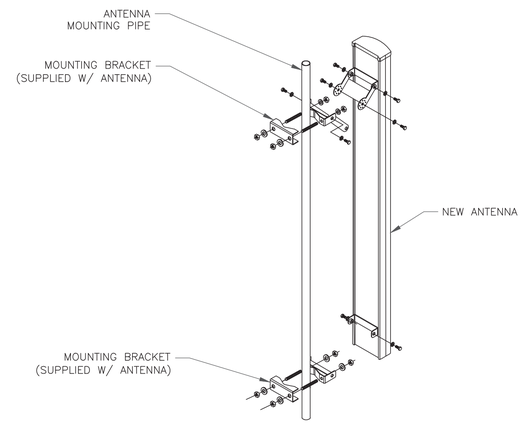
2 DUAL RADIO MOUNT
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

4 NOT USED
SCALE: NOT TO SCALE

INSTALLER NOTES:

1. ALL PIPES, BRACKETS, AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.
2. EQUIPMENT SHALL NOT BE INSTALLED CLOSER THAN 8" TO ANTENNAS.



5 ANTENNA MOUNTING DETAIL
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

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

B+T GRP
MTS ENGINEERING, P.L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

AT&T SITE NUMBER: **CT1033**

BU #: **841298**
SOUTHINGTON ROGUS

250 MERIDEN WATERBURY TURNPIKE
SOUTHINGTON, CT 06489

EXISTING
120'-0" SELF-SUPPORT
TOWER

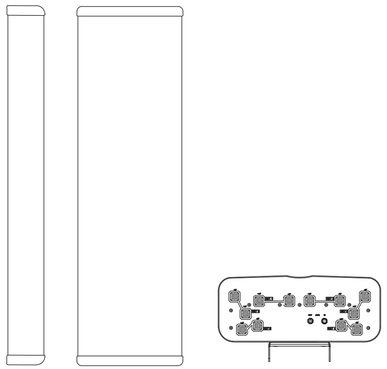
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/8/22	TDG	PRELIMINARY REVIEW	LR
B	3/23/23	TDG	PRELIMINARY REVIEW	LR
0	5/4/23	GLS	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER: C-4

REVISION: 0

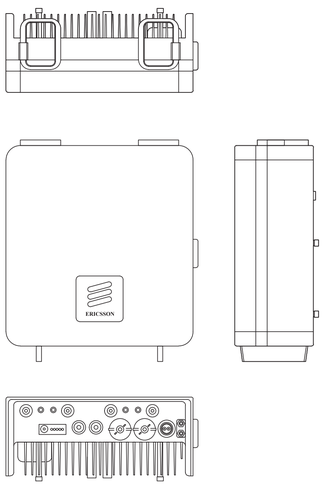


COMMSCOPE – NNHHS4-65C-R5
WEIGHT (FULLY EQUIPPED): 132.5 LBS
SIZE (HxWxD): 96.0x19.6x7.8 IN.
CONNECTOR TYPE: 4.3-10 FEMALE (12 TOTAL PORTS)

1 COMMSCOPE – NNHHS4-65C-R5
SCALE: NOT TO SCALE

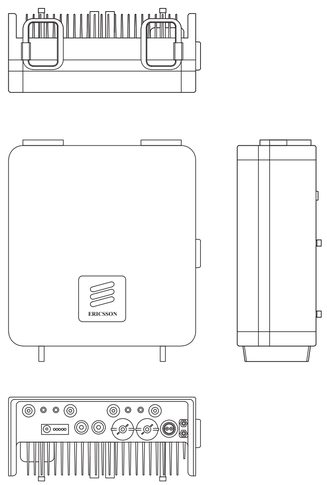
2 NOT USED
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE



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

4 ERICSSON – RADIO 4478 B14
SCALE: NOT TO SCALE



ERICSSON – RADIO 8863 N77
WEIGHT: 55.9 LBS
SIZE (HxWxD): 16.1x14.4x6.0 IN.

5 ERICSSON – RADIO 8863 N77
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

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

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MTS ENGINEERING, P.L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

AT&T SITE NUMBER: **CT1033**

BU #: **841298**
SOUTHINGTON ROGUS

250 MERIDEN WATERBURY TURNPIKE
SOUTHINGTON, CT 06489

EXISTING
120'-0" SELF-SUPPORT
TOWER

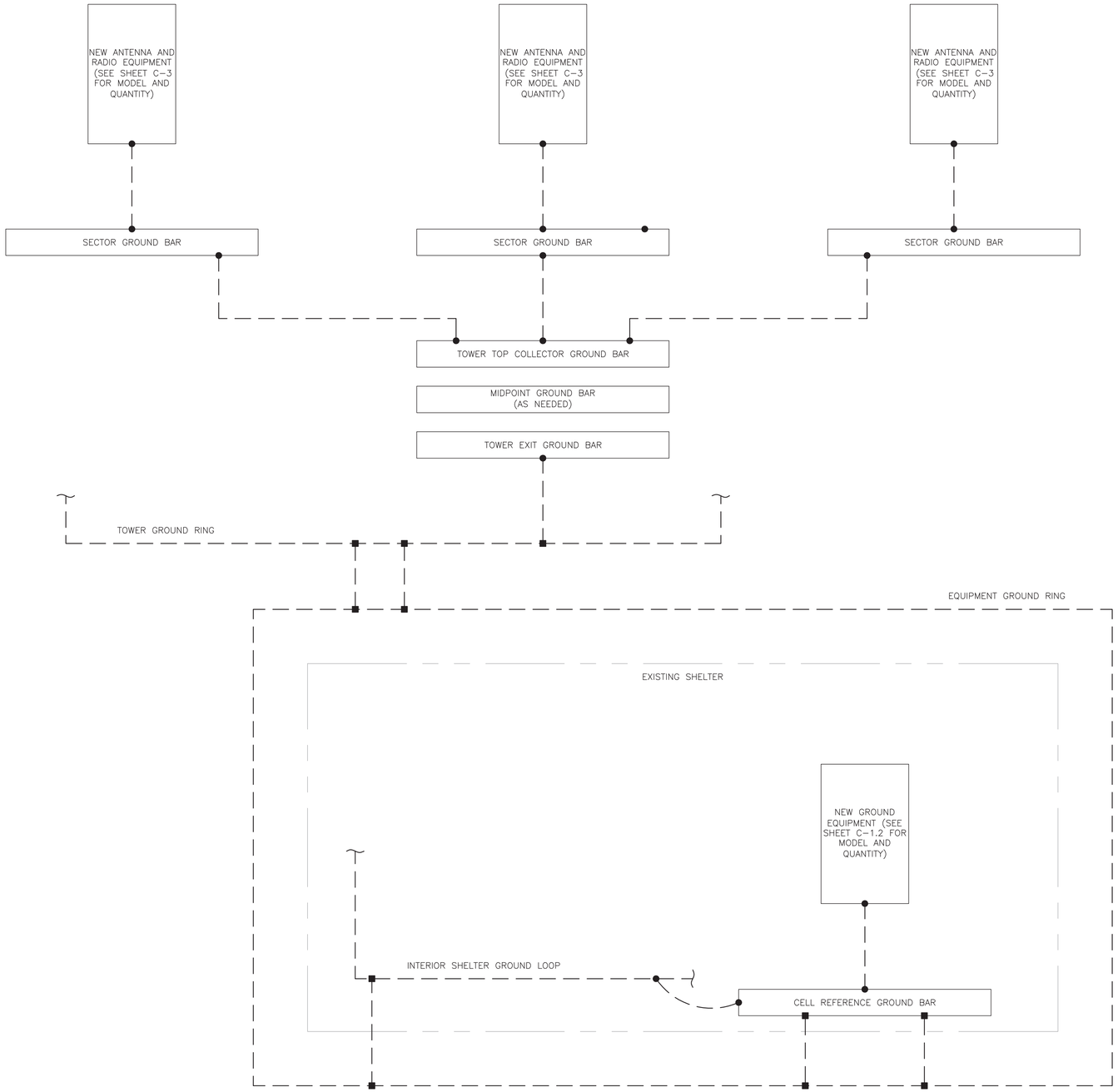
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/8/22	TDG	PRELIMINARY REVIEW	LR
B	3/23/23	TDG	PRELIMINARY REVIEW	LR
0	5/4/23	GLS	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER: C-5

REVISION: 0



1 GROUNDING SCHEMATIC
SCALE: NOT TO SCALE

GROUNDING PLAN LEGEND:

--- GROUND WIRE
■ EXOTHERMIC WELD
● MECHANICAL CONNECTION
COPPER GROUND ROD
GROUND ROD W/ TEST WELL

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

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

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

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

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

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

B+T GRP
MTS ENGINEERING, P.L.L.C.
1717 S. BOULDER,
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
btwo@btgrp.com

AT&T SITE NUMBER: **CT1033**

BU #: **841298**
SOUTHINGTON ROGUS

250 MERIDEN WATERBURY TURNPIKE
SOUTHINGTON, CT 06489

EXISTING
120'-0" SELF-SUPPORT
TOWER

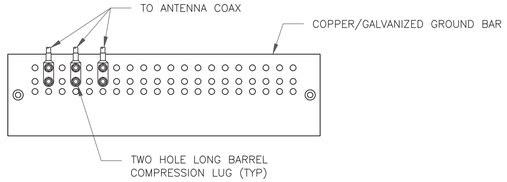
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/8/22	TDG	PRELIMINARY REVIEW	LR
B	3/23/23	TDG	PRELIMINARY REVIEW	LR
0	5/4/23	GLS	CONSTRUCTION	LR

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
5/4/23

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

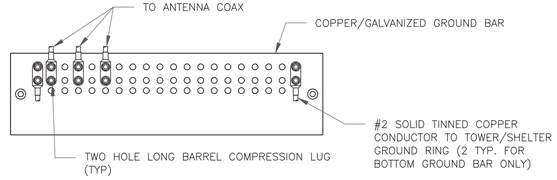
SHEET NUMBER: G-1
REVISION: 0



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

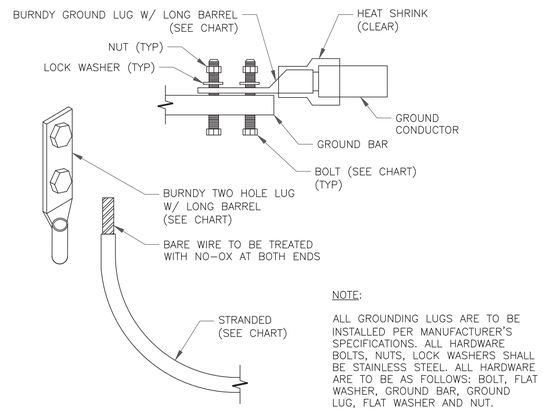


NOTES:

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

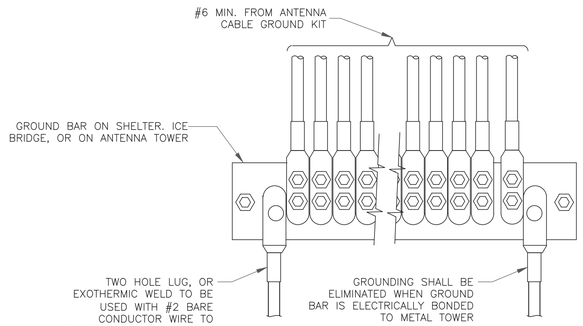
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 SOLID TINNED	YA3C-2TC38	3/8" - 16 NC SS 2 BOLT
#2 STRANDED	YA2C-2TC38	3/8" - 16 NC SS 2 BOLT
#2/0 STRANDED	YA26-2TC38	3/8" - 16 NC SS 2 BOLT
#4/0 STRANDED	YA28-2N	1/2" - 16 NC SS 2 BOLT



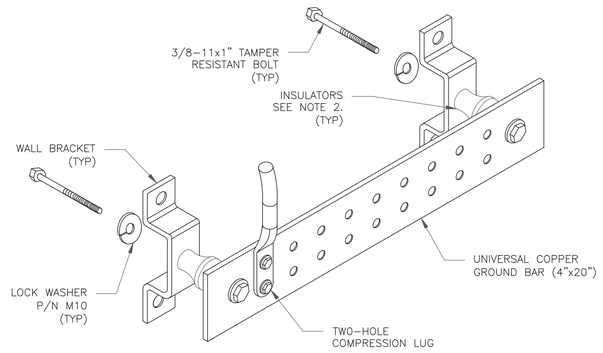
NOTE:

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

3 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



4 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE

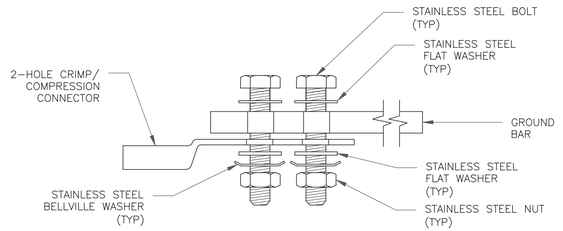


NOTES:

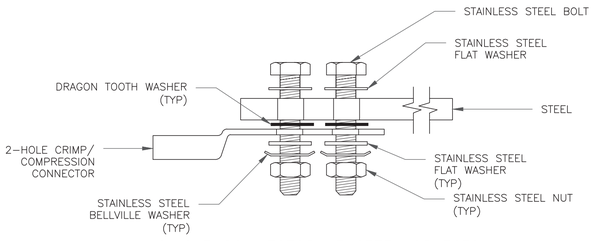
1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.

2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

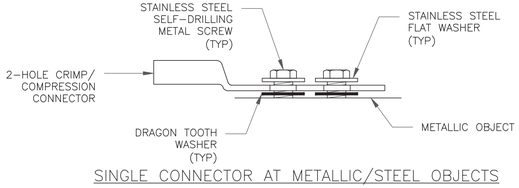
5 GROUND BAR DETAIL
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

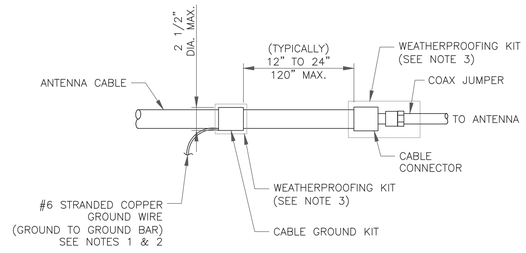


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

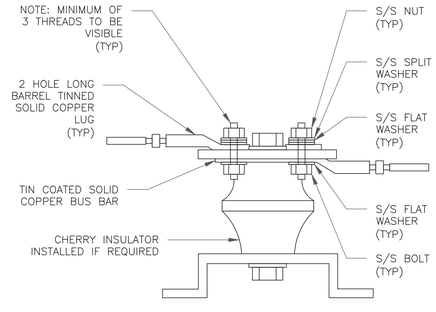
8 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

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

6 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

AT&T
575 MOROSGO DRIVE
ATLANTA, GA 30324-3300

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
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1717 S. BOULDER,
SUITE 300
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PH: (918) 587-4630
btwo@btgrp.com

AT&T SITE NUMBER: **CT1033**

BU #: **841298**
SOUTHINGTON ROGUS

250 MERIDEN WATERBURY
TURNPIKE
SOUTHINGTON, CT 06489

EXISTING
120'-0" SELF-SUPPORT
TOWER

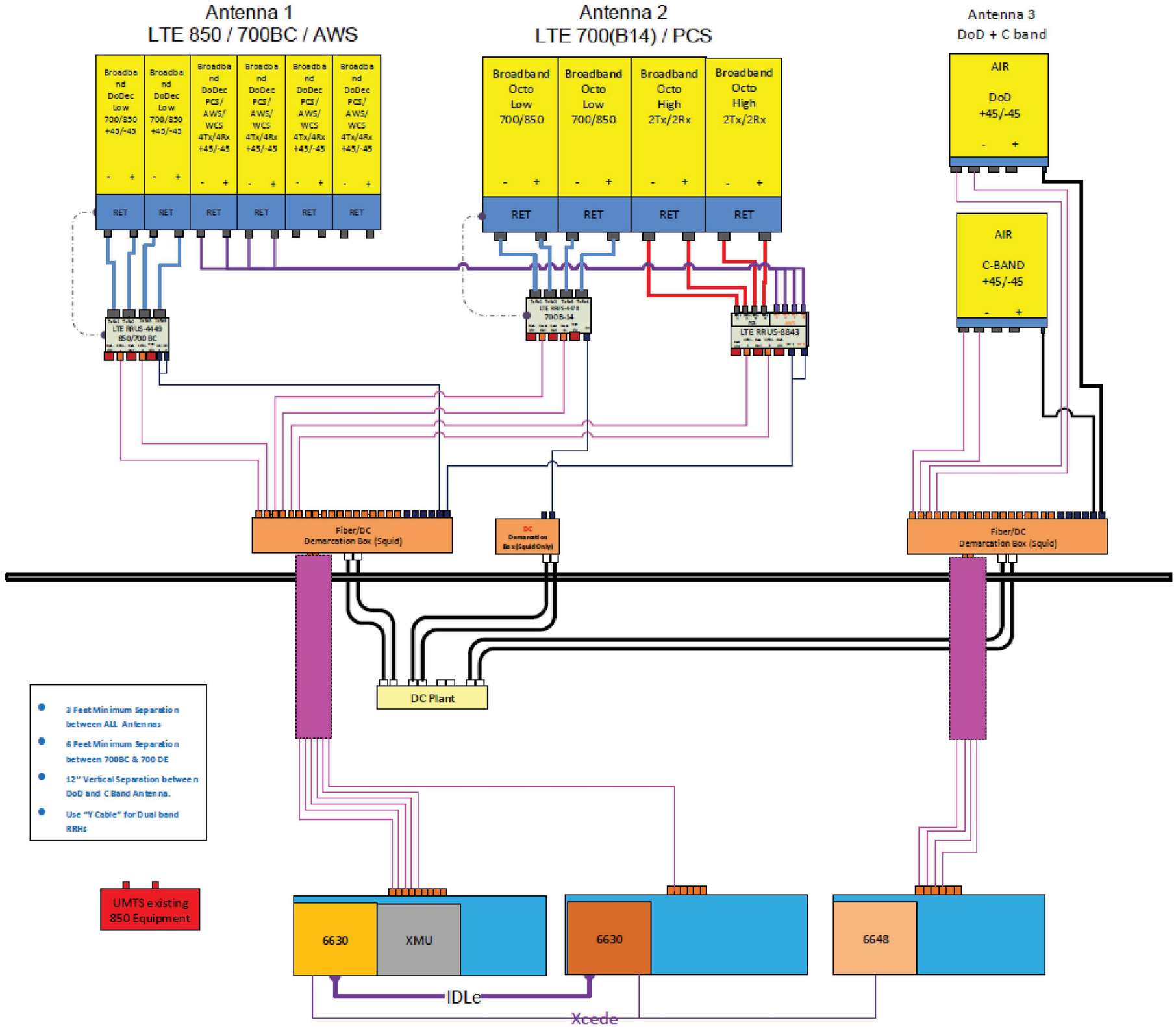
ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	8/8/22	TDG	PRELIMINARY REVIEW	LR
B	3/23/23	TDG	PRELIMINARY REVIEW	LR
0	5/4/23	GLS	CONSTRUCTION	LR

MTS ENGINEERING P.L.L.C.
BER:2386985
Expires 3/31/24

SHEET NUMBER: G-2

REVISION: 0


Antenna 1
LTE 850 / 700BC / AWS
Antenna 2
LTE 700(B14) / PCS
Antenna 3
DoD + C band
Broadband DoDec Low 700/850 +45/-45
Broadband DoDec PCS/ AWS/ WCS 4Tx/4Rx +45/-45
Broadband Octo Low 700/850
Broadband Octo High 2Tx/2Rx
AIR DoD +45/-45
AIR C-BAND +45/-45
RET
LTE RRUS-4449 850/700 BC
LTE RRUS-8843
Fiber/DC Demarcation Box (Squid)
DC Plant
3 Feet Minimum Separation between ALL Antennas
6 Feet Minimum Separation between 700BC & 700 DE
12" Vertical Separation between DoD and C Band Antenna.
Use "Y Cable" for Dual band RRHs
UMTS existing 850 Equipment
6630
XMU
6630
6648
IDLe
Xcede

MOUNT DESIGN DRAWINGS

SITE ADDRESS:
250 MERIDEN WATERBURY TURNPIKE
SOUTHINGTON, CT 06489
HARTFORD COUNTY, USA

SITE INFORMATION	
TOWER HEIGHT / TYPE:	120' SELF SUPPORT TOWER
TOWER LOCATION: DATUM: (NAD 1983)	LAT: 41° 33' 24.54" LONG: -72° 51' 10.84"
JDE #:	686233
ORDER #:	586244 REV # 6
SITE ADDRESS:	250 MERIDEN WATERBURY TURNPIKE SOUTHINGTON, CT 06489 HARTFORD COUNTY, USA

CODE COMPLIANCE	
GOVERNING CODES	2021 IBC & 2022 CONNECTICUT STATE BUILDING CODE & TIA-222-H
ULTIMATE WIND SPEED	118 MPH 3 SECOND GUST
RADIAL ICE THICKNESS	1"
WIND SPEED W/ ICE	50 MPH 3 SECOND GUST
STRUCTURE CLASS	II
EXPOSURE CATEGORY	B
TOPOGRAPHIC CATEGORY	1
SPECTRAL RESPONSE ACCELERATIONS	SS= 0.200 & S1= 0.055

ATTENTION ALL CONTRACTORS, ANYTIME YOU ACCESS A CROWN SITE FOR ANY REASON YOU ARE TO CALL THE CROWN NOC UPON ARRIVAL AND DEPARTURE, DAILY AT 800-788-7011

PERFORMED WORK SHALL NOT DAMAGE ANY EXISTING STRUCTURE, MOUNTS, SAFETY CLIMB, OR EQUIPMENT WHILE ON SITE. SHOULD DAMAGE OCCUR, CONTACT CROWN EOR AT EORAPPROVAL@CROWNCASTLE.COM

SAFETY CLIMB: "LOOK UP"

THE INTEGRITY OF THE WIRE ROPE SAFETY CLIMB SYSTEM SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER REINFORCEMENTS AND EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF ANY WIRE ROPE SAFETY CLIMB ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE FOPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, OR IMPACT TO THE ANCHORAGE POINTS IN ANY WAY. ANY COMPROMISED SAFETY CLIMB MUST BE REPORTED TO YOUR CROWN POC FOR RESOLUTION, INCLUDING EXISTING CONDITIONS.

DOCUMENTS INCLUDED

1. CROWN TSA MANAGER
KEVIN MORROW
1 (704) 405-6619
KEVIN.MORROW@CROWNCASTLE.COM

2. DESIGN ENGINEER (EOR)
JASON CHERONIS, P.E.
POWER OF DESIGN GROUP, LLC
(330) 730-3178
NGILKERSON@PODGRP.COM
1033 E. TURKEYFOOT LAKE RD.
SUITE 206
AKRON, OH 44312

NO.	DATE	DESCRIPTION	BY

REVISIONS

CARRIER: AT&T

SITE NAME: SOUTHINGTON ROGUS
BU NUMBER: 841298
JDE NUMBER: 686233
POD NUMBER: 25-153055

DFT BY: TAJ	DATE: 4/27/2023
DFT/QA BY: MMM	DATE: 4/27/2023
ENG/QA BY: JGC	DATE: 4/27/2023

SCALE: N.T.S.

TITLE PAGE

S-1 | REV 0

GENERAL NOTES

1. THE MODIFICATIONS REPRESENTED IN THESE DRAWINGS ARE BASED ON THE STRUCTURAL DOCUMENTS PROVIDED IN THE STRUCTURAL DOCUMENTS TABLE. THE CONTRACTOR SHALL OBTAIN AND BECOME FAMILIAR WITH ALL REFERENCED DOCUMENTS.

REFERENCE DOCUMENTS	
DOCUMENT TYPE	DESIGNATION
MOUNT ANALYSIS	POD PROJECT NUMBER: 23-154925 DATED: 04/19/2022

2. ALL MODIFICATIONS MUST BE INSTALLED TO BRING THE TOWER INTO CONFORMANCE WITH ALL APPLICABLE CODES.
3. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE OR APPROVED BY THE EOR. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE PERFORMING WORK SIMILAR TO THAT DESCRIBED WITHIN THESE DRAWINGS. BY ACCEPTANCE OF THIS PROJECT, THE CONTRACTOR IS ATTESTING THAT HE HAS SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND REGISTERED TO PERFORM THE WORK IN THE PROJECT JURISDICTION.
4. WORK SHALL ONLY BE PERFORMED DURING CALM, DRY DAYS (WINDS LESS THAN 10XMPH). IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE INSTILLATION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND ITS COMPONENT PARTS DURING ERECTION AND/OR MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIEXDOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
5. ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND EOR. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE EOR SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES AND PROCEDURES.
6. THE DESIGN WITHIN THESE DRAWINGS ASSUMES THE TOWER AND ITS FOUNDATIONS HAVE BEEN WELL MAINTAINED, IN GOOD CONDITION AND ARE WITHOUT DEFECT. BENT MEMBERS, CORRODED MEMBER, LOOSE BOLTS, CRACKED WELDS, AND OTHER STRUCTURAL DEFECTS HAVE NOT BEEN CONSIDERED UNLESS SPECIFICALLY NOTED. THE TOWER IS ASSUMED TO BE PLUMB AND THE SITE IS ASSUMED LEVEL. THE OWNER AND/OR EOR SHALL BE NOTIFIED IMMEDIATELY IF ANY VARIANCES ARE FOUND.
7. THE CONTRACTOR SHALL ONLY WORK WITHIN THE LIMITS OF THE TOWER OWNER'S PROPERTY, LEASE AREA OR APPROVED EASEMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WORK IS PERFORMED WITHIN THESE BOUNDARIES. CONSTRUCTION STAKING AND BOUNDARY MARKING IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A SURVEYOR AS REQUIRED. ANY WORK OUTSIDE THESE BOUNDARIES SHALL BE APPROVED IN WRITING BY THE OWNER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAIN AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL WORK PERFORMED COMPLIES WITH ALL APPLICATION SAFETY CODES AND GOVERNING REGULATIONS.
9. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULES AND MATERIAL DELIVERIES, WITH THE OWNER/RESIDENT LEASING AGENT FOR APPROVAL.
10. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNING AGENCIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
11. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDED BUT NOT LIMITED TO ALTERED SIZED AND/OR STRENGTHS, MUST BE APPROVED BY THE EOR.
12. UNLESS NOTED OTHERWISE, ALL NEW MEMBERS SHALL MAINTAIN THE EXISTING MEMBER WORKING LINES AND NOT INTRODUCE ECCENTRICITIES INTO THE STRUCTURE.
13. ALL DIMENSIONS AND QUANTITIES LISTED WITHIN THESE DRAWINGS ARE INTENDED TO AID THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL DIMENSION AND QUANTITIES PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
14. ALL MANUFACTURERS' INSTRUCTIONS SHALL BE FOLLOWED EXACTLY. ANY DEVIATION REQUIRES WRITTEN APPROVAL FROM THE EOR.
15. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY REMOVING COAX, BRACKETS, ANTENNAS MOUNTS AND ANY OTHER TOWER APPURTENANCE THAT MAY INTERFERE WITH THE INSTILLATION OF THE TOWER MODIFICATIONS. ALL TOWER APPURTENANCES MUST BE REPLACE AND/OR RESTORED TO ITS ORIGINAL LOCATION. SOME MOUNTS OR ATTACHMENTS MAY REQUIRE CUSTOM MODIFICATION TO PROPERLY FIT THE MODIFIED REGION OF THE STRUCTURE. THESE CUSTOM MOUNTS OR ATTACHMENTS ARE DESIGNED BY OTHERS AND MUST BE APPROVED BY THE OWNER/EOR PRIOR TO REMOVAL. ANY CARRIER DOWNTIME MUST BE COORDINATED WITH THE OWNER IN WRITING.
16. DO NOT SCALE DRAWINGS.

STRUCTURAL STEEL NOTES

1. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS, LATEST EDITION.
2. ALL STRUCTURAL STEEL ELEMENTS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.

MATERIAL SPECIFICATIONS	
BOLTS	ASTM A325N
NUTS	ASTM A563
WASHER	ASTM F436
PLATE	ASTM A36 (36 KSI YIELD STRENGTH)
THREADED RODS	ASTM SAEJ429 (57 KSI YIELD STRENGTH)

3. ALL CONNECTIONS NOT FULLY DETAILED ON THESE PLANS SHALL BE DETAILED BY THE FABRICATOR IN ACCORDANCE WITH AISC SPECIFICATIONS, LATEST EDITION.
4. CAULKING SHALL BE PROVIDED AROUND PERIMETER OF ANY AND ALL MODIFICATION MEMBERS TO ENSURE COMPLETE SEAL BETWEEN EXISTING STRUCTURE AND REINFORCING MEMBERS IN FULL CONTACT WITH EXISTING STEEL. SEALANT IS TO BE EXTERIOR GRADE, PAINTABLE SILICONE CAULKING AS MANUFACTURED BY DOW AND ACCEPTABLE TO EOR.
5. HOLES SHALL NOT BE FLAME CUT THROUGH STEEL UNLESS APPROVED BY THE EOR.
6. ALL EXPOSED STEEL SHALL BE HOTXDIPPED GALVANIZED PER ASTM A123, ASTM A153/A153M, OR ASTM A653 G90, AS APPLICABLE FOR FULL WEATHER PROTECTION. FOR HIGH STRENGTH STEEL FASTENERS WHERE HOTXDIPPED GALVANIZING IS NOT PERMITTED DACROMET F1136 GRADE 3 COATING SHALL BE USED. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING TOWER STEEL. CONTRACTOR SHALL OBTAIN EOR APPROVAL FOR STEEL PROTECTION BY ANY OTHER MEANS.
7. REPAIR DAMAGED PAINTED/GALVANIZED SURFACES WITH TWO COATS OF BRUSH OR ROLL ON ZRC COLD GALVANIZING COMPOUND OR EOR APPROVED COATING. SURFACES MUST BE WIRE BRUSHED AND SOLVENT CLEANED PRIOR TO APPLICATION OF GALVANIZING COMPOUND.
8. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES (LOCKING NUT/PAL NUT) TO BE INSTALLED IN ACCORDANCE WITH TIA/EIAX222 REQUIREMENTS.
9. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT BE AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.

BOLT TIGHTENING PROCEDURE

1. STRUCTURAL CONNECTIONS TO BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC SPECIFICATIONS.
2. FLANGE BOLTS SHALL BE INSTALLED AND TIGHTENED USING DIRECT TENSION INDICATING (DTI) SQUIRTER WASHERS. DTI SQUIRTER WASHERS ARE TO BE INSTALLED AND ORIENTED / TIGHTENED PER MANUFACTURER SPECIFICATIONS TO ACHIEVE DESIRED LEVEL OF BOLT PRE-TENSION.
3. IN LIEU OF USING DTI SQUIRTER WASHERS, FLANGE BOLTS MAY BE TIGHTENED USING AISC / RCSC "TURN-OF-THE-NUT" METHOD, PENDING APPROVAL BY THE ENGINEER OF RECORD (POD). TIGHTEN FLANGE BOLTS USING THE CHART BELOW:
4. SPLICE BOLTS SUBJECT TO DIRECT TENSION SHALL BE INSTALLED AND TIGHTENED AS PER SECTION 8.2.1 OF THE AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS", LOCATED IN THE AISC MANUAL OF STEEL CONSTRUCTION. THE INSTALLATION PROCEDURE IS PARAPHRASED AS FOLLOWS:

   FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES AND TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SUBSECTION 8.2.1 THROUGH 8.2.4.

   8.2.1 TURN-OF-NUT PRETENSIONING
   BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1, UNTIL ALL THE BOLTS ARE SIMULTANEOUSLY SNUG TIGHT AND THE CONNECTION IS FULLY COMPACTED. FOLLOWING THIS INITIAL OPERATION ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED ABOVE. DURING THE TIGHTENING OPERATION THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY.
5. ALL OTHER BOLTED CONNECTIONS SHALL BE BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1 OF THE SPECIFICATION.

   ALL BOLT HOLES SHALL BE ALIGNED TO PERMIT INSERTION OF THE BOLTS WITHOUT UNDUE DAMAGE TO THE THREADS. BOLTS SHALL BE PLACED IN ALL HOLES WITH WASHERS POSITIONED AS REQUIRED AND NUTS THREADED TO COMPLETE THE ASSEMBLY. COMPACTING THE JOINT TO THE SNUG-TIGHT CONDITION SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT. THE SNUG-TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT.

BOLT LENGTHS UP TO AND INCLUDING FOUR DIAMETERS

1/2"	BOLTS UP TO AND INCLUDING 2.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
5/8"	BOLTS UP TO AND INCLUDING 2.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
3/4"	BOLTS UP TO AND INCLUDING 3.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
7/8"	BOLTS UP TO AND INCLUDING 3.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1"	BOLTS UP TO AND INCLUDING 4.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS UP TO AND INCLUDING 4.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS UP TO AND INCLUDING 5.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-3/8"	BOLTS UP TO AND INCLUDING 5.5 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS UP TO AND INCLUDING 6.0 INCH LENGTH	+1/3 TURN BEYOND SNUG TIGHT

BOLT LENGTHS OVER FOUR DIAMETERS BUT NOT EXCEEDING EIGHT DIAMETERS

1/2"	BOLTS 2.25 TO 4.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
5/8"	BOLTS 2.75 TO 5.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
3/4"	BOLTS 3.25 TO 6.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
7/8"	BOLTS 3.75 TO 7.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1"	BOLTS 4.25 TO 8.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/8"	BOLTS 4.75 TO 9.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/4"	BOLTS 5.25 TO 10.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-3/8"	BOLTS 5.75 TO 11.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT
1-1/2"	BOLTS 6.25 TO 12.0 INCH LENGTH	+1/2 TURN BEYOND SNUG TIGHT

NO.	DATE	DESCRIPTION	BY

REVISIONS

CROWN CASTLE

CARRIER:

AT&T

SITE NAME: SOUTHINGTON ROGUS

BU NUMBER: 841298

JDE NUMBER: 666233

POD NUMBER: 23-155055

DFT BY: TAJ	DATE: 4/27/2023
DFT/QA BY: MMM	DATE: 4/27/2023
ENG/QA BY: JGC	DATE: 4/27/2023

SCALE: N.T.S.

NOTES

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REV 0

NOTES:

- ANTENNAE/OTHER SECTORS/GRATING NOT SHOWN FOR CLARITY
- MODIFICATIONS SHALL BE INSTALLED ON ALL (3) SECTORS
- ALL FIELD DRILLED HOLES SHALL BE SOLVENT CLEANED AND TOUCHED UP WITH TWO COATS OF ZRC RICH PAINT
- EXCESS MATERIALS SHALL BE REMOVED AND DISPOSED OFF SITE BY THE CONTRACTOR

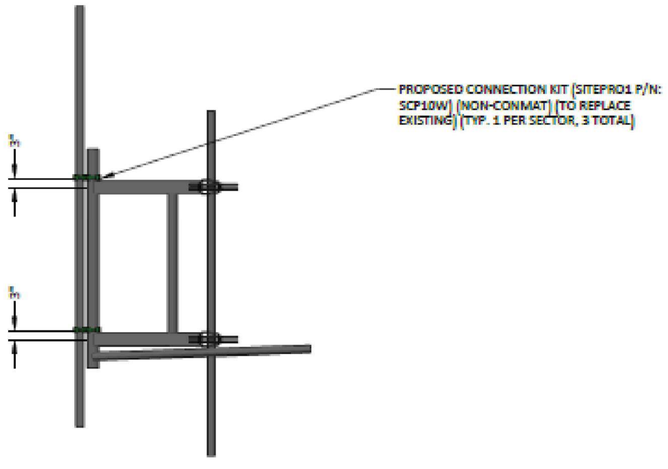
PLAN VIEW

1/4" = 1'-0"

MOUNT MODIFICATION

	MOUNT ELEVATION (FT)	MOUNT MODIFICATION DESCRIPTION	REFERENCE SHEET
A	118	REPLACE EXISTING CONNECTIONS WITH SITEPRO1 SCP10W CONNECTION KIT	S-3

PRIOR TO FABRICATION AND INSTALLATION, CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND QUANTITIES GIVEN. LENGTH AND QUANTITIES PROVIDED ARE FOR QUOTING PURPOSES ONLY, AND SHALL NOT BE USED FOR FABRICATION.



ELEVATION VIEW

1/4" = 1'-0"

ISOMETRIC VIEW

NTS

NO.	DATE	DESCRIPTION	BY

REVISIONS

CARRIER: AT&T

SITE NAME: SOUTHINGTON ROGUS

BU NUMBER: 841296

JDE NUMBER: 686233

POD NUMBER: 23-155055

DFT BY: TAJ DATE: 4/27/2023

DFT/QA BY: MMM DATE: 4/27/2023

ENG/QA BY: JGC DATE: 4/27/2023

SCALE: N.T.S.

MOUNT MODIFICATION SCHEDULE

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MODIFICATION INSPECTION CHECKLIST

BEFORE CONSTRUCTION		DURING CONSTRUCTION		AFTER CONSTRUCTION	
CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM	CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM	CONSTRUCTION/INSTALLATION INSPECTION AND TESTING REQUIRED (COMPLETED BY ENGINEER OF RECORD)	REPORT ITEM
X	MODIFICATION INSPECTION CHECKLIST DWG	X	CONSTRUCTION INSPECTION (AS REQUIRED BY CROWN)	X	MODIFICATION INSPECTOR REDLINE OR RECORD DRAWING(S)
-	ENGINEER OF RECORD APPROVED SHOP DRAWINGS	-	FOUNDATION INSPECTION	-	POST INSTALLED ANCHOR ROD PULL-OUT TESTING
-	FABRICATION INSPECTION	-	CONCRETE COMP. STRENGTH AND SLUMP TEST	X	PHOTOGRAPHS
X	MATERIAL TEST REPORT	-	POST INSTALLED ANCHOR ROD VERIFICATION	ADDITIONAL TESTING AND INSPECTION	
-	FABRICATOR NDE INSPECTION	-	BASE PLATE GROUT VERIFICATION		
-	NDE REPORT OF MONOPOLE BASEPLATE (AS REQUIRED)	-	THIRD PARTY CERTIFIED WELD INSPECTION		
X	PACKING SLIP	-	EARTHWORK LIFT AND DENSITY (REPORT REQUIRED)		
ADDITIONAL TESTING AND INSPECTION		X	ON SITE COLD GALVANIZING VERIFICATION		
		-	GUY WIRE TENSION REPORT		
		X	GC AS-BUILT DOCUMENTS		
		ADDITIONAL TESTING AND INSPECTION (AS REQUIRED BY CROWN)			

MODIFICATION INSPECTION NOTES:

GENERAL:

1. THE MODIFICATION INSPECTION IS A VISUAL INSPECTION OF TOWER MODIFICATION AND A REVIEW OF CONSTRUCTION INSPECTION AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. NAMELY THE MODIFICATION DRAWINGS., AS DESIGNED BY THE ENGINEER OF RECORD.
2. THE MODIFICATION INSPECTION IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AN IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF. NOR DOES THE MODIFICATION INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTENT RESIDES WITH THE ENGINEER OF RECORD AT ALL TIMES.
3. TO ENSURE THAT THE REQUIREMENT OF THE MODIFICATION INSPECTION ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MODIFICATION INSPECTOR BEGIN COMMUNICATION AND COORDINATING AS SOON AS A PO OR PAYMENT IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MODIFICATION INSPECTOR:

1. THE MODIFICATION INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSPECTION TO:
   - REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
   - WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE
   - INSPECTIONS
   - DISCUSS ANY SITE SPECIFIC INSPECTIONS OR CONCERNS
2. THE MODIFICATION INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GENERAL CONTRACTOR (GC) INSPECTION AND TEST REPORTS. REVIEWINS THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE INXFEILD INSPECTIONS, AND SUBMITTING THE MODIFICATION INSPECTION REPORT.

GENERAL CONTRACTOR:

1. THE GC IS REQUIRED TO CONTACT THE MODIFICATION INSPECTOR AS SOON AS RECEIVING A PO OR PAYMENT FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO:
   - REVIEW THE REQUIREMENT OF THE MODIFICATION INSPECTION CHECKLIST
   - WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MODIFICATION INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
   - BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS
2. THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MODIFICATION INSPECTION CHECKLIST.

RECOMMENDATIONS:

1. IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, TO THE MODIFICATION INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR HE MODIFICATION INSPECTION TO BE CONDUCTED.
   - THE GC AND MODIFICATION INSPECTION COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
   - WHEN POSSIBLE IT IS PREFERRED TO HAVE THE MODIFICATION INSPECTOR AND GC ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR REXTENSIONING OPERATIONS.
   - IT MAY BE BENEFICIAL TO INSTALL ALL TOWER MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTION TO ALLOW FOUNDATION AND MODIFICATION INSPECTION(S) DONE IN ONE SITE VISIT.
   - WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MODIFICATION INSPECTOR ON-SITE DURING THE MODIFICATION INSPECTION. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MODIFICATION INSPECTION CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CANCELLATION OR DELAYS IN SCHEDULED MODIFICATION INSPECTION:

1. IF THE GC AND MODIFICATION INSPECTOR AGREE TO A DATE ON WHICH THE MODIFICATION INSPECTION WILL BE CONDUCTED, AND EITHER ARTY CANCELS OR DELAYS, THE TOWER OWNER SHALL NOT BE RESPONSIBLE FOR ANY COSTS, FEES, LOSS OR DEPOSITS AND/OR OTHER PENALTIES RELATE TO THE CANCELLATION OR DELAY INCURRED BY EITHER PARTY FOR ANY TIME. EXCEPTIONS MAY BE MADE IN THE DELAY/ CANCELLATION IS CAUSED BY WEATHER OR OTHER CONDITIONS THAT MAY COMPROMISE THE SAFETY OF THE PARTIES INVOLVED.

CORRECTION OF FAILING MODIFICATION INSPECTION:

1. IF THE MODIFICATION INSTALLATION WOULD FAIL THE MODIFICATION INSPECTION ("FAILED MODIFICATION INSPECTION"), THE GC SHALL WORK WITH MODIFICATION INSPECTOR TO COORDINATE A REMEDIATION PLAN IN ONE OF TWO WAYS:
   - CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MODIFICATION INSPECTION. OR, WITH TOWER OWNER'S APPROVAL, THE GC MAY WORK WITH THE ENGINEER OF RECORD TO REXANALYZE THE MODIFCATION/REINFORCEMENT USING AS-BUILT CONDITION.

VERIFICATION INSPECTIONS:

1. TOWER OWNER RESERVES THE RIGHT TO CONDUCT A VERIFICATION INSPECTION TO VERIFY THE ACCURACY AND COMPLETENESS OF PREVIOUSLY COMPLETED MODIFICATION AND INSPECTION(S) ON TOWER MODIFICATION PRODUCTS.
2. VERIFICATION INSPECTION MAY BE CONDUCTED BY AN INDEPENDENT FIRM AFTER A MODIFICATION PROJECT IS COMPLETED, AS MARKED BY THE DATE OF AN ACCEPTED "PASSING MODIFICATION INSPECTION MODIFICATION INSPECTION" REPORT FOR THE ORIGINAL PROJECT.

REQUIRED PHOTOS:

1. BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS ARE TO BE TAKEN AND INCLUDED IN THE MODIFICATION INSPECTION REPORT:
   - PREXCONSTRUCTION GENERAL SITE CONDITION
   - PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
     - RAW MATERIALS
     - PHOTOS OF ALL CRITICAL DETAILS
     - WELD PREPARATION
     - FOUNDATION MODIFICATION
     - BOLT INSTALLATION AND TORQUE
     - FINAL INSTALLED CONDITION
     - SURFACE COATING REPAIR
   - POST CONDITION PHOTOGRAPHS
   - FINAL INFIELD CONDITION ANY OTHER PHOTOS DEEMED RELEVANT TO SHOW COMPLETE DENTALS OF MODIFICATIONS
2. PHOTOS OF ELEVATED MODIFICATIONS TAKEN FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

NO.	DATE	DESCRIPTION	BY

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CARRIER: AT&T

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DFT BY: TAI DATE: 4/27/2023

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SCALE: N.T.S.

MODIFICATION INSPECTION CHECKLIST

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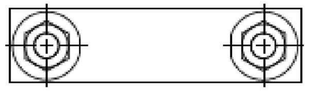

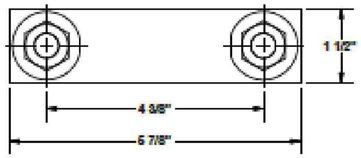

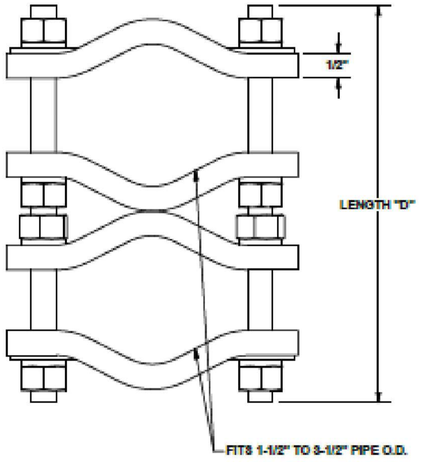

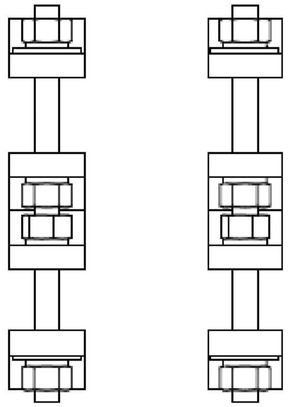

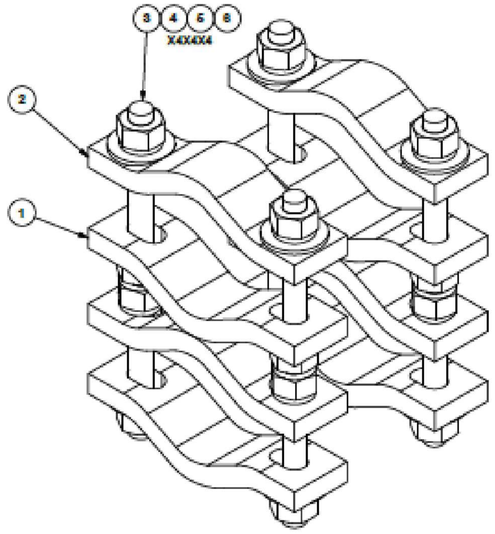

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	BBS	SMALL TO SMALL, BACK TO BACK		2.60	5.00
2	4	SCP	CLAMP HALF, 1/2" THICK, 5-7/8"		1.25	5.00
3	A	B	1/2" THREADED ROD	D	E	F
4	16	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	1.14
5	16	G12LW	1/2" HDG LOCKWASHER		0.01	0.22
6	16	G12FW	1/2" HDG USS FLATWASHER		0.03	0.54

VARIABLE PARTS TABLE						
ASSEMBLY "A"	QTY "B"	PART "C"	LENGTH "D"	UNIT WT. "E"	NET WT. "F"	TOTAL WEIGHT
SCP08W	4	G12R-8	8"	.45	1.78	13.22
SCP10W	4	G12R-10	10"	.58	2.23	13.87

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

DESCRIPTION
WELDED PIPE TO PIPE CLAMP SET
1-1/2" TO 8-1/2" PIPE
1/2" THICK CLAMP

SITE PRO 1 — A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

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REVISIONS

CROWN CASTLE

CARRIER:
AT&T

SITE NAME: SOUTHINGTON ROGUS
BU NUMBER: 841296
JDE NUMBER: 686233
POD NUMBER: 23-155055

DFT BY: TAJ DATE: 4/27/2023
DFT/QA BY: MMM DATE: 4/27/2023
ENG/QA BY: JDC DATE: 4/27/2023
SCALE: N.T.S.

DETAILS/PARTS

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