Robinson+Cole

KENNETH C. BALDWIN

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Hartford, CT 06103-3597
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Also admitted in Massachusetts and New York

February 29, 2024

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

Re: **Notice of Exempt Modification – Facility Modification**
38 (a/k/a 36) Lower Road, North Canaan, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. The tower was approved by the Town of North Canaan ("Town") in April of 1998 and is owned and operated by Litchfield County Dispatch ("LCD"). Cellco's shared use of the tower was approved by the Siting Council ("Council") in December of 2006 (EM-VER-100-061115). A copy the Town's tower approval and Council's shared use approval are included in Attachment 1.

Cellco's proposed modification involves the installation of six (6) interference mitigation filters ("Filters") on its existing antenna platform. The specification sheet for the Filter is included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 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 North Canaan's Chief Elected Official and Land Use Officer. A copy of this letter is being sent to LCD, the owner of the Property.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing tower. The Filters will be installed on Cellco's existing antenna platform.

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.

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

4. The installation of the Filters will not result in a change to radio frequency (RF) emissions from the facility. Therefore, no new RF emissions information is included in this filing.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. According to the attached Structural Analysis Report ("SA") and Antenna Mount Analysis Report ("MA"), the existing tower, tower foundation, antenna assembly can support Cellco's proposed modifications. A copy of the SA and MA are included in Attachment 3.

A copy of the parcel map and Property owner information is included in Attachment 4. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 5.

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Brian Ohler, First Selectman
George Martin, Zoning Enforcement Officer
Litchfield County Dispatch, Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

Permit # 5830 Building Inspector W Conrad

Date 4-24-98

BUILDING PERMIT

ISSUED TO Litchfield County Dispatch

TO

AT LOCATION 38 Lower Rd

TOWN OF NORTH CANAAN, CONN.

THIS PERMIT EXPIRES ONE YEAR FROM DATE OF ISSUE

POST THIS CARD AT BUILDING SIGHT IN A DRY AREA AVAILABLE TO THE BUILDING OFFICIAL

Where applicable, separate permits are required for electrical, plumbing and mechanical installations.

Work shall not proceed until the inspector has approved the various stages of construction.

	Date Inspected		Date Inspected
Preliminary & or Excavation		Plumbing Rough-In	
Footings & Foundations		HVAC Rough-In	
Waterproofing/Foundation Coating		Electric Rough-In	
Footing Drains		Fireplace & Masonry Chimneys	
Electrical Service		Insulation Inspection	
Framing Inspection		Sheetrock or Plaster	
Roofing Inspection		Fuel Tanks and Lines	

This Structure is Not to be Used In Whole or Part Until a Certificate of Occupancy is Issued

APPLICATION FOR BUILDING PERMIT

(APPLICATION MUST BE TYPED OR PRINTED)

TOWN OF North Canaan PERMIT NO. 58-90

LOCATION OF JOB

38 Lower Road
NO. STREET

N. Canaan Ct 06018
TOWN STATE ZIP

FEE SCHEDULE

FEE	ESTIMATED VALUE
$12	FOR 1ST $1000 (MINIMUM FEE).
$ 5	FOR EACH ADDITIONAL $1000 OR PART THEREOF.

BUILDING OFFICIAL MAY DEMAND AFFIDAVIT OF ACTUAL VALUE.

TYPE OF JOB

- ☒ ORIGINAL CONST. ☐ REPAIR
- ☐ ALTERATION ☐ DEMOLITION
- ☐ ADDITION ☐ CHANGE OF USE

OWNER

Litchfield County Dispatch Inc
NAME

452 Bantam Rd
NO. STREET

Litchfield Ct 06759
TOWN STATE ZIP

VALUE-FEES

	VALUE	FEE
ESTIMATED	$750,000.00	$3750.00
ACTUAL		
DIFFERENCE		
ADDITIONAL FEE		

REQUIREMENTS

- ☐ BLUEPRINTS ☐ TOWN ZONING
- ☐ SANITATION APPLIC. ☐ PLOT PLAN
- ☐ OTHER

APPLICANT

Litchfield County Dispatch Inc
NAME

452 Bantam Rd
NO. STREET

Litchfield Ct 06759
TOWN STATE ZIP

DEPARTMENT DECISION

APPLICATION IS HEREBY

☒ APPROVED ☐ DISAPPROVED

4-2-98 W Conrad
DATE INSPECTOR

TYPE OF BUILDING

- ☐ RESIDENTIAL ☐ COMMERCIAL
- ☒ Emergency 911 Radio Tower and Transmitter Building OTHER

BUILDING

BUILDER-CONTRACTOR INFORMATION

NAME

CONTRACTOR LICENSE - REGISTRATION NUMBER

NO. STREET

EXPIRATION DATE CONTRACTOR TELEPHONE

TOWN STATE ZIP

CONTRACTOR SIGNATURE

MECHANICAL CONTRACTORS ARE REQUIRED TO OBTAIN PERMITS BEFORE STARTING ANY WORK.
PERMITS EXPIRE ONE (1) YEAR FROM DATE OF ISSUE.

DISTANCE FROM EACH SIDE LOT LINE

NORTH _____ EAST _____

SOUTH _____ WEST _____

1. DESCRIPTION OF STRUCTURE Communication Tower Guyed and Equipment Building TYPE 3A NO. OF STORIES 175'
2. PROPOSED USE 911 Communication USE GROUP M
3. TWO (2) COPIES OF PLANS AND SPECIFICATIONS ATTACHED ☐ YES ☐ NO
4. PLOT PLAN ATTACHED ☐ YES ☐ NO

REMARKS:

1. Seismic Equipment (see Spec Page 135) design will follow.
2. Plot Plan will follow.

This is to certify that I am the owner or authorized agent for the owner. All work covered by this application has been authorized by the owner of this property and will be done according to the Connecticut Basic Building Code. As the applicant I understand that a Certificate of Use and Occupancy document is required before occupancy.

Apr 24 98 Allan F Gard "Manager"
DATE APPLICANT SIGNATURE

BO-01 (10-88)

CONTRACTOR

December 21, 2006

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

RE: **EM-VER-100-061115** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 38 Lower Road, North Canaan, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on December 21, 2006, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated November 15, 2006, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

Daniel F. Caruso
Chairman

DFC/MP/laf

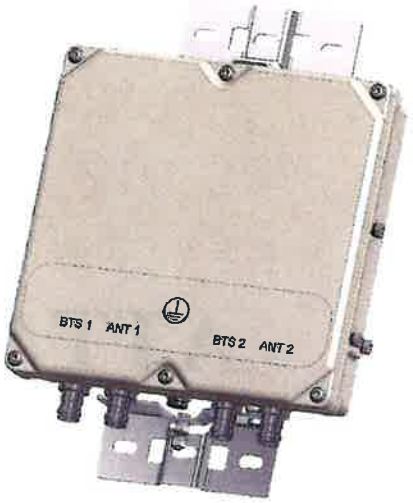
c: The Honorable Douglas E. Humes, Jr., First Selectman, Town of North Canaan
Martin McKay, Planning and Zoning Chairman, Town of North Canaan
Michele G. Briggs, New Cingular Wireless PCS, LLC
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Christopher B. Fisher, Esq., Cuddy & Feder LLP

ATTACHMENT 2

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The KA-6030 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the KA-6030 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the KA-6030 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.



FEATURES

- Passes full 700 and 850 bands
- Low insertion loss
- Rejection of 900MHz uplink
- DC/AISG pass
- Twin unit
- Dual twin mounting available

TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	

ELECTRICAL	
Impedance	50Ohms
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm

DC / AISG	
Passband	0 - 13MHz
Insertion loss	0.3dB maximum
Return loss	15dB minimum
Input voltage range	± 33V
DC current rating	2A continuous, 4A peak
Compliance	3GPP TS 25.461

ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-20°C to +60°C | -4°F to +140°F
Ingress protection	IP67
Altitude	2600m | 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.
MTBF	>1,000,000 hours
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE

Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

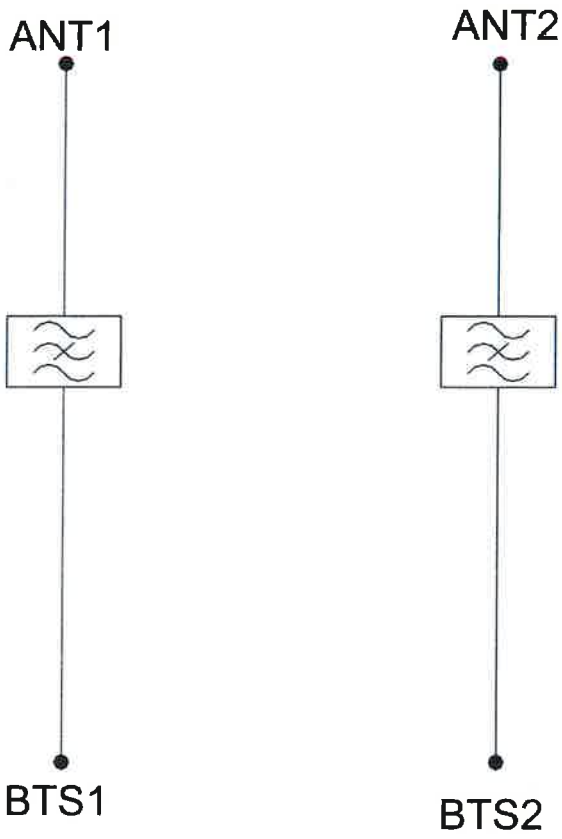
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.

ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
KA-6030-2032	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)

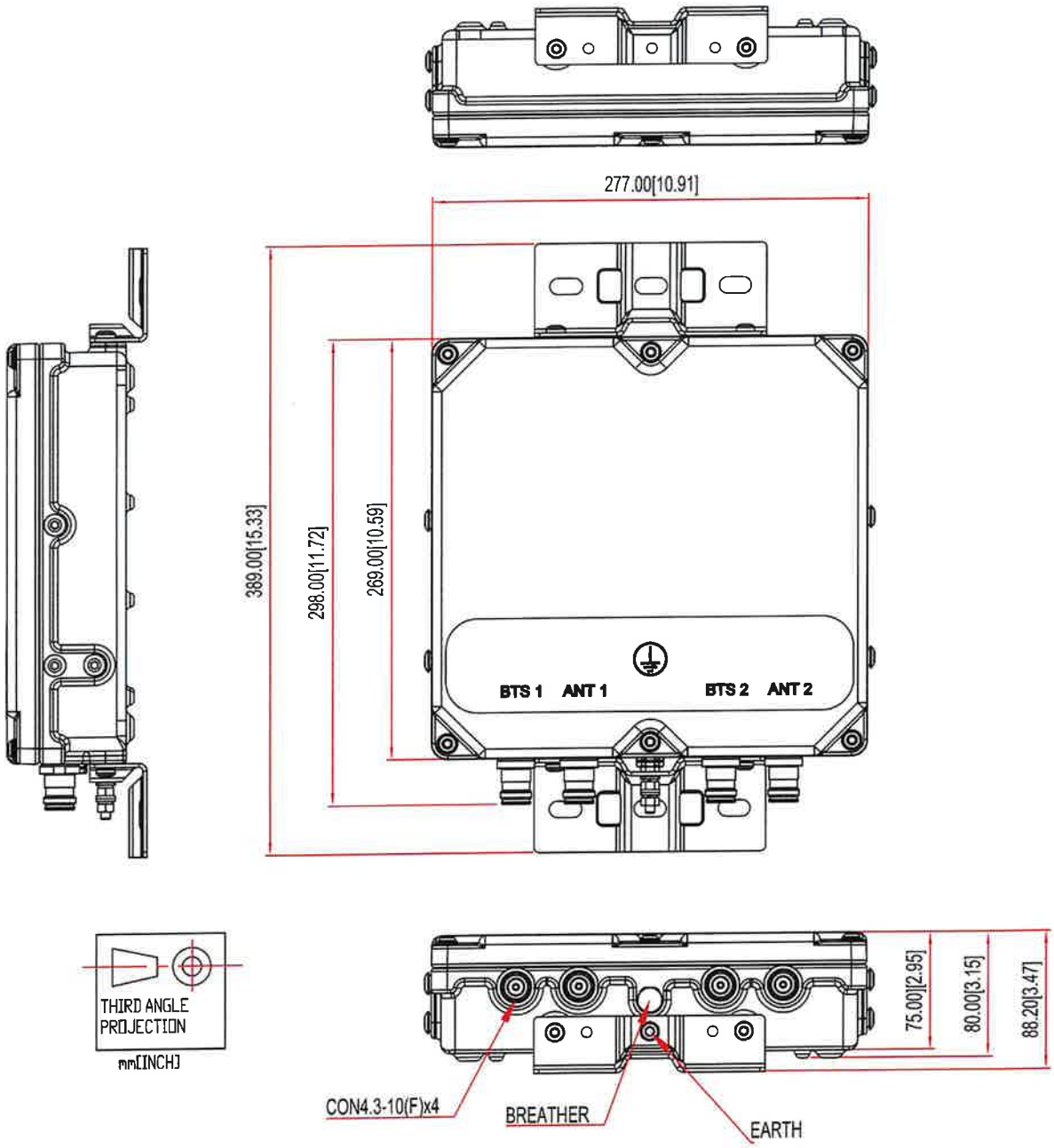
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3

February 23, 2024

Alex Tyurin
Verizon Wireless
51 Alder Street
Medway, MA 02053

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
(919) 661-6351
CS-SA@tepgroup.net

Subject: **Structural Analysis Report**

Verizon Wireless Designation:	**Carrier Site Number:**	5000246824
	Carrier Site Name:	North Canaan CT
Engineering Firm Designation:	**TEP Project Number:**	72508.917486
Site Data:	**36 Lower Road, Canaan, Litchfield County, CT 06018** **Latitude *42° 00' 52.75"*, Longitude *-73° 19' 34.83"*** **195.0± Foot - Self Supporting Tower**	

Dear Alex Tyurin,

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

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

LC1: Existing + Proposed Loading **Sufficient Capacity - 73.2%**
Note: See Table 1 for the existing and proposed loading

Structure Capacity	Foundation Capacity
48.1%	73.2%

This analysis utilizes an ultimate 3-second gust wind speed of 121 mph as required by the 2022 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 – Analysis Criteria.

All modifications and equipment proposed in this report shall be installed in accordance with the appurtenances listed in Table 1 for the determined available structural capacity to be effective.

We at *Tower Engineering Professionals* appreciate the opportunity of providing our continuing professional services to you and *Verizon Wireless*. If you have any questions or need further assistance on this or any other projects, please give us a call.

Structural analysis prepared by: Matthew G. Young, P.E. / CS-SA

Respectfully submitted by:

Aaron T. Rucker, P.E.

02/23/2024

TABLE OF CONTENTS

1) INTRODUCTION

This tower is a 195.0± foot Self-Support Tower designed by PiRod, Inc. in February of 2001. Tower Engineering Professionals visited the site in January of 2024 to perform a full steel and appurtenance mapping. All information provided to TEP was assumed to be accurate and complete.

2) ANALYSIS CRITERIA

TIA-222 Revision:	ANSI/TIA-222-H
Risk Category:	III
Wind Speed:	121 mph (Ultimate)
Exposure Category:	C
Topographic Category:	1 (Kzt = 1.0)
Ice Thickness:	1.0 in
Wind Speed with Ice:	40 mph
Seismic Design Category:	B
Seismic Ss:	0.165
Seismic S1:	0.054
Service Wind Speed:	60 mph

Table 1 - Existing and Proposed Antenna and Cable Information

Existing/ Proposed	Mount Level (ft)	Ant CL (ft)	Qty	Antenna Model	Mount Type	Qty Coax	Coax Size	Coax Location	Owner/ Tenant
Existing	188.0	188.0	1	6-ft ø Dish	Pipe	-	-	-	Municipal
Existing	186.0	190.0	1	Generic 8-ft Antenna	(2) Side Arm	-	-	-	Unknown
		189.0	1	Telewave ANT150F2		2	7/8"ø	Inner Tower	Municipal
Existing	184.0	186.5	1	Generic 5' Omni	(3) Box Arm	-	-	-	Unknown
		184.0	1	Generic 10' 2 Element Dipole					
		181.5	1	Generic 5' Omni					
Existing	184.0	189.0	2	Kathrein OTG9-840	(2) Box Arm	-	-	-	Municipal
		179.0	2	Kathrein OTG9-840					
Existing	175.0	179.0	2	Generic 8-ft Antenna	(1) Sector	-	-	-	Unknown
Existing		178.0	1	Telewave ANT150D3	Side Arm	2	1/2"ø	Inner Tower	Unknown
Existing	169.3	174.3	1	10-ft Dipole	(3) Sector	-	-	-	Municipal
		169.3	6	Antel LPA-80090/4CF		6 1	1-5/8"ø Hybrid	B Leg	Verizon
			6	Commscope NHH-65B-R2B					
			3	Samsung RFV01U-D2A					
			3	Samsung RFV01U-D1A					
			1	Raycap RHSDC-6627-PF-48					
Proposed	***169.3***	***169.3***	***6***	***Kaelus KA-6030***	-	-	-	-	***Verizon***
Existing	145.0	148.0	1	Telewave ANT150 D3	Side Arm	-	-	-	Unknown

Existing/ Proposed	Mount Level (ft)	Ant CL (ft)	Qty	Antenna Model	Mount Type	Qty Coax	Coax Size	Coax Location	Owner/ Tenant
Existing	140.0	140.0	4	CCI TPA65R-BU6DA	(3) Sector	6 6 3	1-5/8"Ø DC Fiber	Inner Tower	AT&T
			2	CCI TPA65R-BU4DA-K					
			3	Powerwave 7770					
			3	Ericsson Radio 4449					
			3	Ericsson Radio 4478					
			3	Ericsson RRUS-32					
			3	Diplexer					
			2	Raycap DC6-48-60-18					
			1	Raycap DC2					
			1	Raycap DC6					
Existing	125.0	125.0	4	RFS Celwave APXVAA24_43-U-NA20	(4) Sector	3 3	1-1/2"Ø 1-3/4"Ø	A Leg	T-Mobile
			4	RFS Celwave APXV18-206517S-C					
			4	Ericsson AIR 4449 B41					
			4	Ericsson Radio 4449					
			4	Ericsson Radio 4415					
Existing	105.0	115.0	1	Telewave ANT150D3	Box Arm	-	-	-	Municipal
Existing	101.0	101.0	1	4'x8' Ice Shield	Direct	-	-	-	Municipal
Existing	98.0	98.0	1	PD458-2	(2) Box Arm	-	-	-	Municipal
Existing	97.0	97.0	1	6-ft Ø Dish	Side Arm	3	1/2"Ø	Inner Tower	Municipal
Existing	78.0	88.0	1	DB222	(3) Box Arm	1 1 10 2 6	7/8"Ø 3/8"Ø 7/8"Ø 1-1/4"Ø 1-5/8"Ø	A Leg Inner Tower	Municipal
			1	BCD-806090NE					
			1	PD1142					
		82.0	1	6-ft Yagi Antenna					
		68.0	1	PD220					
Existing	32.0	32.0	1	GPS	Side Arm	1	3/8"Ø	A Leg	Municipal

3) ANALYSIS PROCEDURE

Table 2 - Documents Provided

Document	Remarks	Source
Geotechnical Report	Dr. Clarence Welti, P.E., P.C., dated February 10, 1998	TEP
Tower Manufacturer Drawings	PiRod, Inc., dated February 20, 2001 Drawing No.: 150617-B	TEP
Previous Structural Analysis	URS Corporation, dated February 18, 2002 Project No.: F300001804.71/F12	TEP
Previous Structural Analysis	Centek Engineering, dated February 27, 2018 Centek Project No.: 18025.00	TEP
Mount Analysis Report	Colliers Engineering & Design, dated August 10, 2023 Project #: 23777228	TEP
Lease Exhibit Drawings	Centerline Engineering Services, PA, dated January 3, 2024 Location Code: 468204	TEP
Tower Steel and Appurtenance Mapping	Tower Engineering Professionals, dated February 12, 2024 TEP No.: 72508.917484	TEP
Correspondence	Correspondence from Verizon Wireless in reference to the existing and proposed loading.	Verizon

3.1) Analysis Method

tnxTower (version 8.2.2.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A.

3.2) Assumptions

1) The tower and foundation were built and maintained in accordance with the manufacturer's specification.
2) The configuration of existing antennas, transmission cables, mounts and other appurtenances are as specified in the tower mapping report by TEP.
3) Unless specified by the client or tower mapping, the location of the existing and proposed coax is assumed by TEP and listed in Table 1.
4) All tower components are in sufficient condition to carry their full design capacity.
5) Serviceability with respect to antenna twist, tilt, roll, or lateral translation, is not checked and is left to the carrier or tower owner to ensure conformance.
6) All antenna mounts and mounting hardware are structurally sufficient to carry the full design capacity requirements of appurtenance wind area and weight as provided by the original manufacturer specifications. It is the carrier's responsibility to ensure compliance to the structural limitations of the existing and/or proposed antenna mounts. TEP did not analyze antenna supporting mounts as part of this structural analysis report.
7) TEP assumed the inner tower geometry from the previous structural analysis by URS Corporation dated February 18, 2002. This tower was analyzed in order to calculate its base reactions, so that those loads could be applied to the foundation analysis. There are no loading changes occurring on the inner tower.

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

4) ANALYSIS RESULTS

Table 3 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	øP$_{allow}$ (K)	% Capacity	Pass / Fail
T1	195 - 190	Leg	Pirod 105244	1	-0.47	149.62	7.4	Pass
T2	190 - 180	Leg	Pirod 105244	15	-3.51	149.62	20.6	Pass
T3	180 - 160	Leg	Pirod 105216	23	-16.44	149.62	34.2	Pass
T4	160 - 150	Leg	Pirod 105217	37	-29.51	225.60	20.1	Pass
T5	150 - 140	Leg	Pirod 105217	49	-43.18	225.60	19.1	Pass
T6	140 - 120	Leg	Pirod 105218	59	-76.96	315.72	33.4	Pass
T7	120 - 110	Leg	Pirod 105218	77	-93.85	315.72	32.4	Pass
T8	110 - 100	Leg	Pirod 105218	89	-113.88	315.72	36.1	Pass
T9	100 - 80	Leg	Pirod 105219	98	-150.02	419.86	35.7	Pass
T10	80 - 60	Leg	Pirod 105219	113	-186.24	419.86	44.4	Pass
T11	60 - 40	Leg	Pirod 105220	128	-222.07	537.99	41.3	Pass
T12	40 - 20	Leg	Pirod 105220	143	-258.81	537.99	48.1	Pass
T13	20 - 0	Leg	Pirod 112738	158	-277.63	643.80	43.1	Pass
T1	195 - 190	Diagonal	2L2 1/2x2 1/2x3/16x1/2	8	-0.30	0.81	37.5	Pass
T2	190 - 180	Diagonal	L2 1/2x2 1/2x3/16	21	-1.53	9.55	16.0	Pass
T3	180 - 160	Diagonal	L3x3x3/16	29	-5.14	16.72	30.7 40.9 (b)	Pass
T4	160 - 150	Diagonal	L3x3x5/16	44	-6.04	26.13	23.1 28.7 (b)	Pass
T5	150 - 140	Diagonal	L3x3x5/16	53	-6.79	26.13	26.0 31.9 (b)	Pass
T6	140 - 120	Diagonal	L3x3x5/16	65	-8.20	20.32	40.4	Pass
T7	120 - 110	Diagonal	L3 1/2x3 1/2x5/16	80	-9.73	29.88	32.6 33.5 (b)	Pass
T8	110 - 100	Diagonal	L3 1/2x3 1/2x5/16	91	-9.27	27.06	34.3	Pass
T9	100 - 80	Diagonal	L4x4x1/4	103	-10.35	28.11	36.8 39.8 (b)	Pass
T10	80 - 60	Diagonal	L4x4x3/8	118	-11.02	34.09	32.3	Pass
T11	60 - 40	Diagonal	L5x5x3/8	133	-11.44	57.51	19.9 26.1 (b)	Pass
T12	40 - 20	Diagonal	L5x5x3/8	154	-12.79	53.10	24.1 29.1 (b)	Pass
T13	20 - 0	Diagonal	2L3 1/2x3 1/2x5/16x1	163	-18.99	43.11	44.1	Pass
T4	160 - 150	Secondary Horizontal	L3 1/2x3 1/2x1/4	47	0.92	48.26	1.9 7.3 (b)	Pass
T7	120 - 110	Secondary Horizontal	L3x3x5/16	85	-1.63	29.21	5.6 10.4 (b)	Pass
T1	195 - 190	Top Girt	2L2-1/2x2-1/2x3/16x1/2	6	-0.12	21.44	0.6	Pass
T6	140 - 120	Top Girt	L3-1/2x3-1/2x5/16	61	-1.33	18.54	7.2	Pass
							Summary	
						Leg (T12)	48.1	Pass
						Diagonal (T13)	44.1	Pass
						Secondary Horizontal (T7)	10.4	Pass
						Top Girt (T6)	7.2	Pass
						Bolt Checks	40.9	Pass
						RATING =	**48.1**	**Pass**

Table 4 - Tower Component Stresses vs. Capacity

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods / Rock Anchors	-	73.2	Pass
1,2	Base Foundation Structural	-	11.5	Pass
1,2	Base Foundation Soil Interaction	-	27.3	Pass

Structure Rating (max from all components) =	73.2%

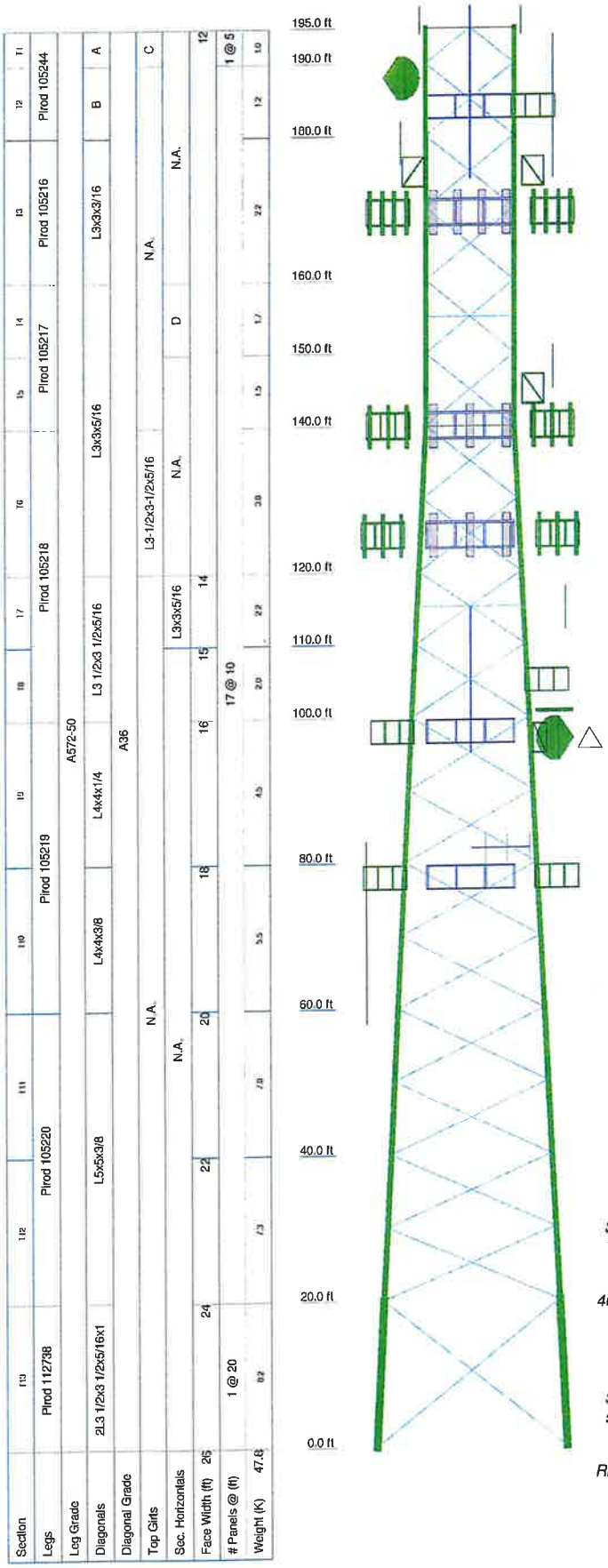
Notes:
1) Rating per TIA-222-H, Section 15.5
2) See additional documentation in "Appendix B - Additional Calculations" for calculations supporting the % capacity listed.

4.1) Recommendations

1) If the load differs from that described in Table 1 of this report or the provisions of this analysis are found to be invalid, another structural analysis should be performed.
2) The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT



SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	2L2 1/2x2 1/2x3/16x1/2	C	2L2-1/2x2-1/2x3/16x1/2
B	L2 1/2x2 1/2x3/16	D	L3 1/2x3 1/2x1/4

MATERIAL STRENGTH

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

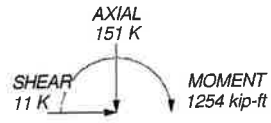
TOWER DESIGN NOTES

1. Tower is located in Litchfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 121 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 40 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category III.
7. Topographic Category 1 with Crest Height of 0'
8. TOWER RATING: 48.1%

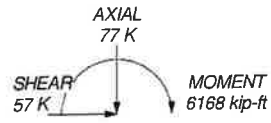
ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 300 K
SHEAR: 40 K

UPLIFT: -239 K
SHEAR: 32 K



TORQUE 9 kip-ft
40 mph WIND - 1.0000 in ICE



TORQUE 45 kip-ft
REACTIONS - 121 mph WIND

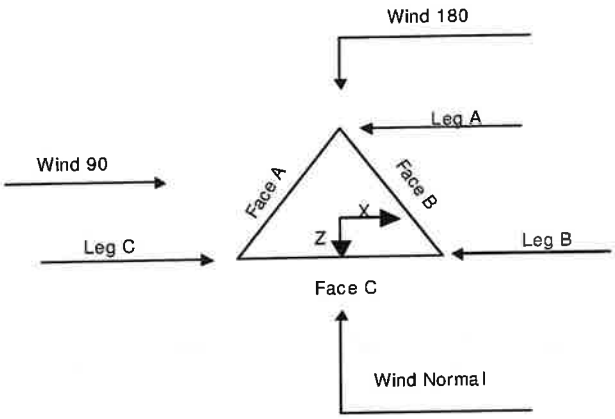
Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

Job: North Canaan CT (5000246824)			
Project: TEP No. 72508.917486			
Client: Verizon Wireless	Drawn by: mlackey	App'd:	
Code: TIA-222-H	Date: 02/23/24	Scale: NTS	
Path: C:\Desktop Items\TNX Runs\72508 Qatar Tower\North Canaan CT (SST).eri		Dwg No. E-1	

Tower Input Data

The main tower is a 3x free standing tower with an overall height of 195' above the ground line.
The base of the tower is set at an elevation of 0' above the ground line.
The face width of the tower is 12' at the top and 26' at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower is located in Litchfield County, Connecticut.
Tower base elevation above sea level: 963'.
Basic wind speed of 121 mph.
Risk Category III.
Exposure Category C.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0'.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 40 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
Pressures are calculated at each section.
Stress ratio used in tower member design is 1.
Tower analysis based on target reliabilities in accordance with Annex S.
Load Modification Factors used: $K_{es}(F_w) = 1.0$, $K_{es}(t_i) = 1.0$.
Maximum demand-capacity ratio is: 1.05.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.



Triangular Tower

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
T1	195'-190'			12'	1	5'
T2	190'-180'			12'	1	10'
T3	180'-160'			12'	1	20'
T4	160'-150'			12'	1	10'
T5	150'-140'			12'	1	10'
T6	140'-120'			12'	1	20'
T7	120'-110'			14'	1	10'
T8	110'-100'			15'	1	10'
T9	100'-80'			16'	1	20'
T10	80'-60'			18'	1	20'
T11	60'-40'			20'	1	20'
T12	40'-20'			22'	1	20'
T13	20'-0'			24'	1	20'

Tower Section Geometry *(cont'd)*

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T1	195'-190'	5'	K Brace Down	No	Yes	0.0000	0.0000
T2	190'-180'	10'	X Brace	No	No	0.0000	0.0000

Tower Section	Tower Elevation ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset in
T3	180'-160'	10'	X Brace	No	No	0.0000	0.0000
T4	160'-150'	10'	X Brace	No	Yes	0.0000	0.0000
T5	150'-140'	10'	X Brace	No	No	0.0000	0.0000
T6	140'-120'	10'	X Brace	No	No	0.0000	0.0000
T7	120'-110'	10'	X Brace	No	Yes	0.0000	0.0000
T8	110'-100'	10'	X Brace	No	No	0.0000	0.0000
T9	100'-80'	10'	X Brace	No	No	0.0000	0.0000
T10	80'-60'	10'	X Brace	No	No	0.0000	0.0000
T11	60'-40'	10'	X Brace	No	No	0.0000	0.0000
T12	40'-20'	10'	X Brace	No	No	0.0000	0.0000
T13	20'-0'	20'	X Brace	No	No	0.0000	0.0000

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 195'-190'	Truss Leg	Pirod 105244	A572-50 (50 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16x1/2	A36 (36 ksi)
T2 190'-180'	Truss Leg	Pirod 105244	A572-50 (50 ksi)	Equal Angle	L2 1/2x2 1/2x3/16	A36 (36 ksi)
T3 180'-160'	Truss Leg	Pirod 105216	A572-50 (50 ksi)	Equal Angle	L3x3x3/16	A36 (36 ksi)
T4 160'-150'	Truss Leg	Pirod 105217	A572-50 (50 ksi)	Equal Angle	L3x3x5/16	A36 (36 ksi)
T5 150'-140'	Truss Leg	Pirod 105217	A572-50 (50 ksi)	Equal Angle	L3x3x5/16	A36 (36 ksi)
T6 140'-120'	Truss Leg	Pirod 105218	A572-50 (50 ksi)	Equal Angle	L3x3x5/16	A36 (36 ksi)
T7 120'-110'	Truss Leg	Pirod 105218	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x5/16	A36 (36 ksi)
T8 110'-100'	Truss Leg	Pirod 105218	A572-50 (50 ksi)	Equal Angle	L3 1/2x3 1/2x5/16	A36 (36 ksi)
T9 100'-80'	Truss Leg	Pirod 105219	A572-50 (50 ksi)	Equal Angle	L4x4x1/4	A36 (36 ksi)
T10 80'-60'	Truss Leg	Pirod 105219	A572-50 (50 ksi)	Equal Angle	L4x4x3/8	A36 (36 ksi)
T11 60'-40'	Truss Leg	Pirod 105220	A572-50 (50 ksi)	Equal Angle	L5x5x3/8	A36 (36 ksi)
T12 40'-20'	Truss Leg	Pirod 105220	A572-50 (50 ksi)	Equal Angle	L5x5x3/8	A36 (36 ksi)
T13 20'-0'	Truss Leg	Pirod 112738	A572-50 (50 ksi)	Double Equal Angle	2L3 1/2x3 1/2x5/16x1	A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T6 140'-120'	Equal Angle	L3-1/2x3-1/2x5/16	A36 (36 ksi)	Solid Round		A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
ft							
T1 195'-190'	None	Flat Bar		A36 (36 ksi)	Double Equal Angle	2L2-1/2x2-1/2x3/16x1/2	A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
ft						
T4 160'-150'	Equal Angle	L3 1/2x3 1/2x1/4	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T7 120'-110'	Equal Angle	L3x3x5/16	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft^2	in					in	in	in
T1 195'-190'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	80.0000	99.0000	36.0000
T2 190'-180'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000
T3 180'-160'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000
T4 160'-150'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000
T5 150'-140'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000
T6 140'-120'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000
T7 120'-110'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000
T8 110'-100'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000
T9 100'-80'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000
T10 80'-60'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000
T11 60'-40'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft²	in					in	in	in
T12 40'-20'	0.00	0.5000	A36 (36 ksi)	1.03	1	1.05	36.0000	36.0000	36.0000
T13 20'-0'	0.00	1.0000	A36 (36 ksi)	1.03	1	1.05	Mid-Pt	36.0000	36.0000

Tower Section Geometry *(cont'd)*

Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X	X Brace Diags Y	Single Diags X	Single Diags Y	Girts X	Girts Y	Horiz. X	Horiz. Y	Sec. Horiz. X	Sec. Horiz. Y	Inner Brace X	Inner Brace Y
ft															
T1 195'-190'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T2 190'-180'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T3 180'-160'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T4 160'-150'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T5 150'-140'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	0.5	1	1
T6 140'-120'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T7 120'-110'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T8 110'-100'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	0.5	1	1
T9 100'-80'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T10 80'-60'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T11 60'-40'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T12 40'-20'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1
T13 20'-0'	Yes	Yes	1	1	1	1	1	1	1	1	1	1	1	1	1

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

Tower Section Geometry *(cont'd)*

Tower Elevation	Truss-Leg K Factors: Truss-Legs Used As Leg Members — Leg Panels	X Brace Diagonals	Z Brace Diagonals	Truss-Legs Used As Inner Members — Leg Panels	X Brace Diagonals	Z Brace Diagonals
ft						
T1 195'-190'	1	0.5	0.85	1	0.5	0.85
T2 190'-180'	1	0.5	0.85	1	0.5	0.85

	Truss-Leg K Factors					
	Truss-Legs Used As Leg Members			Truss-Legs Used As Inner Members		
Tower Elevation ft	Leg Panels	X Brace Diagonals	Z Brace Diagonals	Leg Panels	X Brace Diagonals	Z Brace Diagonals
T3 180'-160'	1	0.5	0.85	1	0.5	0.85
T4 160'-150'	1	0.5	0.85	1	0.5	0.85
T5 150'-140'	1	0.5	0.85	1	0.5	0.85
T6 140'-120'	1	0.5	0.85	1	0.5	0.85
T7 120'-110'	1	0.5	0.85	1	0.5	0.85
T8 110'-100'	1	0.5	0.85	1	0.5	0.85
T9 100'-80'	1	0.5	0.85	1	0.5	0.85
T10 80'-60'	1	0.5	0.85	1	0.5	0.85
T11 60'-40'	1	0.5	0.85	1	0.5	0.85
T12 40'-20'	1	0.5	0.85	1	0.5	0.85
T13 20'-0'	1	0.5	0.85	1	0.5	0.85

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 195'-190'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 190'-180'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 180'-160'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 160'-150'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 150'-140'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T6 140'-120'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 120'-110'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 110'-100'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 100'-80'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 80'-60'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T11 60'-40'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T12 40'-20'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T13 20'-0'	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 195'-190'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T2 190'-180'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T3 180'-160'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T4 160'-150'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T5 150'-140'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T6 140'-120'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T7 120'-110'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T8 110'-100'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T9 100'-80'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T10 80'-60'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T11 60'-40'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T12 40'-20'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T13 20'-0'	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 195'-190'	Flange	1.0000 A325N	6	1.0000 A325N	1	1.0000 A325N	0	0.6250 A325N	0	0.6250 A325N	0	1.0000 A325N	1	0.6250 A325N	0
T2 190'-180'	Flange	1.0000 A325N	6	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T3 180'-160'	Flange	1.0000 A325N	6	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T4 160'-150'	Flange	1.0000 A325N	0	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	1.0000 A325N	1
T5 150'-140'	Flange	1.0000 A325N	6	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T6 140'-120'	Flange	1.0000 A325N	6	1.0000 A325N	1	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T7 120'-110'	Flange	1.0000 A325N	0	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	1.0000 A325N	1
T8 110'-100'	Flange	1.0000 A325N	6	1.0000 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T9 100'-80'	Flange	1.2500 A325N	6	1.2500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T10 80'-60'	Flange	1.2500 A325N	6	1.2500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T11 60'-40'	Flange	1.2500 A325N	6	1.2500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T12 40'-20'	Flange	1.2500 A325N	6	1.2500 A325N	1	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0
T13 20'-0'	Flange	2.0000 A325N	6	1.0000 A325N	2	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0	0.6250 A325N	0

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
Safety Line 3/8	A	No	No	Ar (CaAa)	195' - 0'	0.0000	0.49	1	1	0.3750	0.3750		0.22
Safety Line 3/8	B	No	No	Ar (CaAa)	195' - 0'	0.0000	0.49	1	1	0.3750	0.3750		0.22
Safety Line 3/8 ** **	C	No	No	Ar (CaAa)	195' - 0'	0.0000	0.49	1	1	0.3750	0.3750		0.22
1 5/8	B	No	No	Ar (CaAa)	169'3-31/32' - 0'	-6.0000	0.43	3	3	0.5000	1.9800		1.04
1 5/8 ** **	C	No	No	Ar (CaAa)	169'3-31/32' - 0'	-6.0000	-0.43	4	4	0.5000	1.9800		1.04
1.5" Diameter Coax	A	No	No	Ar (CaAa)	125' - 0'	-8.0000	0.45	3	3	0.5000	1.5000		0.62
1 1/4 **	A	No	No	Ar (CaAa)	125' - 0'	-8.0000	0.43	3	3	0.5000	1.5500		0.66
7/8	B	No	No	Ar (CaAa)	78' - 0'	-5.0000	-0.47	1	1	0.5000	1.1100		0.54
3/8" Coax ***	B	No	No	Ar (CaAa)	32' - 0'	-4.0000	-0.47	1	1	0.3750	0.3750		0.07

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
T-Brackets	A	No	No	Af (CaAa)	125' - 0'	-4.0000	0.47	1	1	1.0000	1.0000		8.40
T-Brackets	B	No	No	Af (CaAa)	169'3-31/32' - 0'	-4.0000	0.47	1	1	1.0000	1.0000		8.40

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	195'-190'	A	0.000	0.000	0.188	0.000	0.00
		B	0.000	0.000	0.188	0.000	0.00
		C	0.000	0.000	0.188	0.000	0.00
T2	190'-180'	A	0.000	0.000	0.375	0.000	0.00
		B	0.000	0.000	0.375	0.000	0.00
		C	0.000	0.000	0.375	0.000	0.00
T3	180'-160'	A	0.000	0.000	0.750	0.000	0.00
		B	0.000	0.000	7.227	0.000	0.11
		C	0.000	0.000	8.142	0.000	0.04
T4	160'-150'	A	0.000	0.000	0.375	0.000	0.00
		B	0.000	0.000	7.315	0.000	0.12
		C	0.000	0.000	8.295	0.000	0.04
T5	150'-140'	A	0.000	0.000	0.375	0.000	0.00
		B	0.000	0.000	7.315	0.000	0.12
		C	0.000	0.000	8.295	0.000	0.04
T6	140'-120'	A	0.000	0.000	5.825	0.000	0.07
		B	0.000	0.000	14.630	0.000	0.23
		C	0.000	0.000	16.590	0.000	0.09
T7	120'-110'	A	0.000	0.000	10.525	0.000	0.12
		B	0.000	0.000	7.315	0.000	0.12
		C	0.000	0.000	8.295	0.000	0.04
T8	110'-100'	A	0.000	0.000	10.525	0.000	0.12
		B	0.000	0.000	7.315	0.000	0.12
		C	0.000	0.000	8.295	0.000	0.04
T9	100'-80'	A	0.000	0.000	21.050	0.000	0.25
		B	0.000	0.000	14.630	0.000	0.23
		C	0.000	0.000	16.590	0.000	0.09
T10	80'-60'	A	0.000	0.000	21.050	0.000	0.25
		B	0.000	0.000	16.628	0.000	0.24
		C	0.000	0.000	16.590	0.000	0.09
T11	60'-40'	A	0.000	0.000	21.050	0.000	0.25
		B	0.000	0.000	16.850	0.000	0.25
		C	0.000	0.000	16.590	0.000	0.09
T12	40'-20'	A	0.000	0.000	21.050	0.000	0.25
		B	0.000	0.000	17.300	0.000	0.25
		C	0.000	0.000	16.590	0.000	0.09
T13	20'-0'	A	0.000	0.000	21.050	0.000	0.25
		B	0.000	0.000	17.600	0.000	0.25
		C	0.000	0.000	16.590	0.000	0.09

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	195'-190'	A	1.372	0.000	0.000	1.559	0.000	0.02
		B		0.000	0.000	1.559	0.000	0.02
		C		0.000	0.000	1.559	0.000	0.02
T2	190'-180'	A	1.366	0.000	0.000	3.108	0.000	0.03
		B		0.000	0.000	3.108	0.000	0.03
		C		0.000	0.000	3.108	0.000	0.03
T3	180'-160'	A	1.355	0.000	0.000	6.169	0.000	0.06
		B		0.000	0.000	22.148	0.000	0.32
		C		0.000	0.000	21.342	0.000	0.25
T4	160'-150'	A	1.342	0.000	0.000	3.060	0.000	0.03
		B		0.000	0.000	20.114	0.000	0.30
		C		0.000	0.000	19.275	0.000	0.23
T5	150'-140'	A	1.333	0.000	0.000	3.042	0.000	0.03
		B		0.000	0.000	20.049	0.000	0.30
		C		0.000	0.000	19.229	0.000	0.22
T6	140'-120'	A	1.319	0.000	0.000	19.355	0.000	0.24
		B		0.000	0.000	39.885	0.000	0.60
		C		0.000	0.000	38.306	0.000	0.44
T7	120'-110'	A	1.303	0.000	0.000	29.498	0.000	0.38
		B		0.000	0.000	19.824	0.000	0.30
		C		0.000	0.000	19.069	0.000	0.22
T8	110'-100'	A	1.291	0.000	0.000	29.372	0.000	0.38
		B		0.000	0.000	19.738	0.000	0.29
		C		0.000	0.000	19.007	0.000	0.22
T9	100'-80'	A	1.271	0.000	0.000	58.320	0.000	0.74
		B		0.000	0.000	39.186	0.000	0.58
		C		0.000	0.000	37.808	0.000	0.43
T10	80'-60'	A	1.240	0.000	0.000	57.645	0.000	0.73
		B		0.000	0.000	45.185	0.000	0.64
		C		0.000	0.000	37.479	0.000	0.42
T11	60'-40'	A	1.199	0.000	0.000	56.767	0.000	0.71
		B		0.000	0.000	45.137	0.000	0.63
		C		0.000	0.000	37.051	0.000	0.41
T12	40'-20'	A	1.139	0.000	0.000	55.491	0.000	0.68
		B		0.000	0.000	47.208	0.000	0.64
		C		0.000	0.000	36.429	0.000	0.39
T13	20'-0'	A	1.021	0.000	0.000	52.963	0.000	0.63
		B		0.000	0.000	46.650	0.000	0.60
		C		0.000	0.000	35.198	0.000	0.36

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T1	195'-190'	0.0000	0.0000	0.0000	0.0000
T2	190'-180'	0.0000	0.0000	0.0000	0.0000
T3	180'-160'	5.0466	2.3620	5.5418	2.6101
T4	160'-150'	8.4315	4.0384	9.7487	4.6869
T5	150'-140'	9.7170	4.6148	10.7071	5.1262
T6	140'-120'	9.4097	1.8956	10.3985	2.0709
T7	120'-110'	8.6051	-4.5441	9.9536	-5.3578
T8	110'-100'	10.1043	-5.3311	11.2485	-6.0722
T9	100'-80'	9.8373	-5.2716	11.5522	-6.3237
T10	80'-60'	10.2797	-6.6657	12.0832	-8.6823
T11	60'-40'	9.5458	-6.4052	12.0085	-8.9443
T12	40'-20'	9.8786	-6.9295	12.4254	-10.3469

Section	Elevation	CP_X	CP_Z	CP_X Ice	CP_Z Ice
	ft	in	in	in	in
T13	20'-0'	13.9298	-9.6644	14.7831	-12.6106

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	1	Safety Line 3/8	190.00 - 195.00	0.6000	0.5716
T1	2	Safety Line 3/8	190.00 - 195.00	0.6000	0.5716
T1	3	Safety Line 3/8	190.00 - 195.00	0.6000	0.5716
T2	1	Safety Line 3/8	180.00 - 190.00	0.6000	0.6000
T2	2	Safety Line 3/8	180.00 - 190.00	0.6000	0.6000
T2	3	Safety Line 3/8	180.00 - 190.00	0.6000	0.6000
T3	1	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T3	2	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T3	3	Safety Line 3/8	160.00 - 180.00	0.6000	0.6000
T3	8	1 5/8	160.00 - 169.33	0.6000	0.6000
T3	9	1 5/8	160.00 - 169.33	0.6000	0.6000
T3	27	T-Brackets	160.00 - 169.33	0.6000	0.6000
T4	1	Safety Line 3/8	150.00 - 160.00	0.6000	0.5962
T4	2	Safety Line 3/8	150.00 - 160.00	0.6000	0.5962
T4	3	Safety Line 3/8	150.00 - 160.00	0.6000	0.5962
T4	8	1 5/8	150.00 - 160.00	0.6000	0.5962
T4	9	1 5/8	150.00 - 160.00	0.6000	0.5962
T4	27	T-Brackets	150.00 - 160.00	0.6000	0.5962
T5	1	Safety Line 3/8	140.00 - 150.00	0.6000	0.6000
T5	2	Safety Line 3/8	140.00 - 150.00	0.6000	0.6000
T5	3	Safety Line 3/8	140.00 - 150.00	0.6000	0.6000
T5	8	1 5/8	140.00 - 150.00	0.6000	0.6000
T5	9	1 5/8	140.00 - 150.00	0.6000	0.6000
T5	27	T-Brackets	140.00 - 150.00	0.6000	0.6000
T6	1	Safety Line 3/8	120.00 -	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T6	2	Safety Line 3/8	120.00 - 140.00	0.6000	0.6000
T6	3	Safety Line 3/8	120.00 - 140.00	0.6000	0.6000
T6	8	1 5/8	120.00 - 140.00	0.6000	0.6000
T6	9	1 5/8	120.00 - 140.00	0.6000	0.6000
T6	15	1.5" Diameter Coax	120.00 - 140.00	0.6000	0.6000
T6	16	1 1/4	120.00 - 125.00	0.6000	0.6000
T6	26	T-Brackets	120.00 - 125.00	0.6000	0.6000
T6	27	T-Brackets	120.00 - 125.00	0.6000	0.6000
T7	1	Safety Line 3/8	110.00 - 140.00	0.6000	0.6000
T7	2	Safety Line 3/8	110.00 - 120.00	0.6000	0.6000
T7	3	Safety Line 3/8	110.00 - 120.00	0.6000	0.6000
T7	8	1 5/8	110.00 - 120.00	0.6000	0.6000
T7	9	1 5/8	110.00 - 120.00	0.6000	0.6000
T7	15	1.5" Diameter Coax	110.00 - 120.00	0.6000	0.6000
T7	16	1 1/4	110.00 - 120.00	0.6000	0.6000
T7	26	T-Brackets	110.00 - 120.00	0.6000	0.6000
T7	27	T-Brackets	110.00 - 120.00	0.6000	0.6000
T8	1	Safety Line 3/8	100.00 - 110.00	0.6000	0.6000
T8	2	Safety Line 3/8	100.00 - 110.00	0.6000	0.6000
T8	3	Safety Line 3/8	100.00 - 110.00	0.6000	0.6000
T8	8	1 5/8	100.00 - 110.00	0.6000	0.6000
T8	9	1 5/8	100.00 - 110.00	0.6000	0.6000
T8	15	1.5" Diameter Coax	100.00 - 110.00	0.6000	0.6000
T8	16	1 1/4	100.00 - 110.00	0.6000	0.6000
T8	26	T-Brackets	100.00 - 110.00	0.6000	0.6000
T8	27	T-Brackets	100.00 - 110.00	0.6000	0.6000
T9	1	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T9	2	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T9	3	Safety Line 3/8	80.00 - 100.00	0.6000	0.6000
T9	8	1 5/8	80.00 - 100.00	0.6000	0.6000
T9	9	1 5/8	80.00 - 100.00	0.6000	0.6000
T9	15	1.5" Diameter Coax	80.00 - 100.00	0.6000	0.6000
T9	16	1 1/4	80.00 - 100.00	0.6000	0.6000
T9	26	T-Brackets	80.00 - 100.00	0.6000	0.6000
T9	27	T-Brackets	80.00 - 100.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T10	1	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T10	2	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T10	3	Safety Line 3/8	60.00 - 80.00	0.6000	0.6000
T10	8	1 5/8	60.00 - 80.00	0.6000	0.6000
T10	9	1 5/8	60.00 - 80.00	0.6000	0.6000
T10	15	1.5" Diameter Coax	60.00 - 80.00	0.6000	0.6000
T10	16	1 1/4	60.00 - 80.00	0.6000	0.6000
T10	23	7/8	60.00 - 78.00	0.6000	0.6000
T10	26	T-Brackets	60.00 - 80.00	0.6000	0.6000
T10	27	T-Brackets	60.00 - 80.00	0.6000	0.6000
T11	1	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T11	2	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T11	3	Safety Line 3/8	40.00 - 60.00	0.6000	0.6000
T11	8	1 5/8	40.00 - 60.00	0.6000	0.6000
T11	9	1 5/8	40.00 - 60.00	0.6000	0.6000
T11	15	1.5" Diameter Coax	40.00 - 60.00	0.6000	0.6000
T11	16	1 1/4	40.00 - 60.00	0.6000	0.6000
T11	23	7/8	40.00 - 60.00	0.6000	0.6000
T11	26	T-Brackets	40.00 - 60.00	0.6000	0.6000
T11	27	T-Brackets	40.00 - 60.00	0.6000	0.6000
T12	1	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T12	2	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T12	3	Safety Line 3/8	20.00 - 40.00	0.6000	0.6000
T12	8	1 5/8	20.00 - 40.00	0.6000	0.6000
T12	9	1 5/8	20.00 - 40.00	0.6000	0.6000
T12	15	1.5" Diameter Coax	20.00 - 40.00	0.6000	0.6000
T12	16	1 1/4	20.00 - 40.00	0.6000	0.6000
T12	23	7/8	20.00 - 40.00	0.6000	0.6000
T12	24	3/8" Coax	20.00 - 32.00	0.6000	0.6000
T12	26	T-Brackets	20.00 - 40.00	0.6000	0.6000
T12	27	T-Brackets	20.00 - 40.00	0.6000	0.6000
T13	1	Safety Line 3/8	0.00 - 20.00	0.6000	0.6000
T13	2	Safety Line 3/8	0.00 - 20.00	0.6000	0.6000
T13	3	Safety Line 3/8	0.00 - 20.00	0.6000	0.6000
T13	8	1 5/8	0.00 - 20.00	0.6000	0.6000
T13	9	1 5/8	0.00 - 20.00	0.6000	0.6000
T13	15	1.5" Diameter Coax	0.00 - 20.00	0.6000	0.6000
T13	16	1 1/4	0.00 - 20.00	0.6000	0.6000
T13	23	7/8	0.00 - 20.00	0.6000	0.6000
T13	24	3/8" Coax	0.00 - 20.00	0.6000	0.6000
T13	26	T-Brackets	0.00 - 20.00	0.6000	0.6000
T13	27	T-Brackets	0.00 - 20.00	0.6000	0.6000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
1/2" x 6' LRod	A	From Leg	1.00 0' 3'	0.0000	193'	No Ice 1/2" Ice 1" Ice	0.30 0.91 1.54	0.30 0.91 1.54	0.00 0.01 0.02

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
1/2" x 6' LRod	B	From Leg	1.00 0' 3'	0.0000	193'	No Ice 1/2" Ice 1" Ice	0.30 0.91 1.54	0.30 0.91 1.54	0.00 0.01 0.02
1/2" x 6' LRod	C	From Leg	1.00 0' 3'	0.0000	193'	No Ice 1/2" Ice 1" Ice	0.30 0.91 1.54	0.30 0.91 1.54	0.00 0.01 0.02
HSS 2x2x 6' (101953)	A	From Leg	0.00 0' 0'	0.0000	192'	No Ice 1/2" Ice 1" Ice	1.20 1.61 2.04	0.03 0.06 0.09	0.02 0.03 0.05
HSS 2x2x 6' (101953)	B	From Leg	0.00 0' 0'	0.0000	192'	No Ice 1/2" Ice 1" Ice	1.20 1.61 2.04	0.03 0.06 0.09	0.02 0.03 0.05
HSS 2x2x 6' (101953)	C	From Leg	0.00 0' 0'	0.0000	192'	No Ice 1/2" Ice 1" Ice	1.20 1.61 2.04	0.03 0.06 0.09	0.02 0.03 0.05
***									
HSS 2x2x 6' (101953)	C	From Leg	0.00 0' 0'	0.0000	190'	No Ice 1/2" Ice 1" Ice	1.20 1.61 2.04	0.03 0.06 0.09	0.02 0.03 0.05
HSS 2x2x 6' (101953)	C	From Leg	0.00 0' 0'	0.0000	186'	No Ice 1/2" Ice 1" Ice	1.20 1.61 2.04	0.03 0.06 0.09	0.02 0.03 0.05
Pipe Mount [PM 601-1]	C	From Leg	0.50 0' 0'	0.0000	188'	No Ice 1/2" Ice 1" Ice	1.32 1.58 1.84	1.32 1.58 1.84	0.07 0.08 0.09
***									
96" x 8" x 6" Panel	A	From Leg	6.00 0' 4'	0.0000	186'	No Ice 1/2" Ice 1" Ice	8.36 8.95 9.55	6.80 7.38 7.98	0.04 0.09 0.14
ANT150F2	A	From Leg	6.00 0' 3'	0.0000	186'	No Ice 1/2" Ice 1" Ice	1.23 1.53 1.84	1.23 1.53 1.84	0.01 0.02 0.04
(2) Side Arm Mount [SO 308-1]	A	From Leg	3.00 0' 0'	0.0000	186'	No Ice 1/2" Ice 1" Ice	0.41 0.81 1.23	3.06 5.10 7.20	0.05 0.08 0.12
***									
(2) 96" x 8" x 6" Panel	C	From Leg	4.00 0' 4'	0.0000	175'	No Ice 1/2" Ice 1" Ice	8.36 8.95 9.55	6.80 7.38 7.98	0.04 0.09 0.14
Sector Mount [SM 308-1]	C	From Leg	2.00 0' 0'	0.0000	175'	No Ice 1/2" Ice 1" Ice	10.91 15.35 19.77	7.52 10.71 13.87	0.13 0.27 0.46
***									
OTG9-840	A	From Leg	6.00 0' 5'	0.0000	184'	No Ice 1/2" Ice 1" Ice	3.41 4.58 5.77	3.41 4.58 5.77	0.02 0.05 0.08
OTG9-840	A	From Leg	6.00 0' -5'	0.0000	184'	No Ice 1/2" Ice 1" Ice	3.41 4.58 5.77	3.41 4.58 5.77	0.02 0.05 0.08
OTG9-840	B	From Leg	6.00 0' 5'	0.0000	184'	No Ice 1/2" Ice 1" Ice	3.41 4.58 5.77	3.41 4.58 5.77	0.02 0.05 0.08
OTG9-840	B	From Leg	6.00 0' -5'	0.0000	184'	No Ice 1/2" Ice 1" Ice	3.41 4.58 5.77	3.41 4.58 5.77	0.02 0.05 0.08
Pirod 6-8' Box Arm (1)	A	From Leg	3.00 0'	0.0000	184'	No Ice 1/2" Ice	4.50 9.87	4.50 9.87	0.21 0.28

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
				0'			1" Ice	15.24	15.24	0.34
Pirod 6-8' Box Arm (1)	B	From Leg	3.00	0'	0.0000	184'	No Ice	4.50	4.50	0.21
				0'			1/2" Ice	9.87	9.87	0.28
							1" Ice	15.24	15.24	0.34
***										
ANT150D3	B	From Leg	6.00	0'	0.0000	175'	No Ice	1.60	1.60	0.01
				3'			1/2" Ice	3.20	3.20	0.02
							1" Ice	4.80	4.80	0.03
Side Arm Mount [SO 308-1]	B	From Leg	3.00	0'	0.0000	175'	No Ice	0.41	3.06	0.05
				0'			1/2" Ice	0.81	5.10	0.08
							1" Ice	1.23	7.20	0.12
***										
(2) NHH-65B-R2B w/ Mount Pipe	A	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	8.32	7.00	0.07
				0'			1/2" Ice	8.88	8.19	0.14
							1" Ice	9.40	9.08	0.21
(2) NHH-65B-R2B w/ Mount Pipe	B	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	8.32	7.00	0.07
				0'			1/2" Ice	8.88	8.19	0.14
							1" Ice	9.40	9.08	0.21
(2) NHH-65B-R2B w/ Mount Pipe	C	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	8.32	7.00	0.07
				0'			1/2" Ice	8.88	8.19	0.14
							1" Ice	9.40	9.08	0.21
(2) LPA-80090/4CF	A	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	2.62	4.04	0.01
				0'			1/2" Ice	2.92	4.35	0.04
							1" Ice	3.23	4.67	0.07
(2) LPA-80090/4CF	B	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	2.62	4.04	0.01
				0'			1/2" Ice	2.92	4.35	0.04
							1" Ice	3.23	4.67	0.07
(2) LPA-80090/4CF	C	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	2.62	4.04	0.01
				0'			1/2" Ice	2.92	4.35	0.04
							1" Ice	3.23	4.67	0.07
RFV01U-D1A	A	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	1.88	1.25	0.08
				0'			1/2" Ice	2.05	1.39	0.10
							1" Ice	2.22	1.54	0.12
RFV01U-D1A	B	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	1.88	1.25	0.08
				0'			1/2" Ice	2.05	1.39	0.10
							1" Ice	2.22	1.54	0.12
RFV01U-D1A	C	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	1.88	1.25	0.08
				0'			1/2" Ice	2.05	1.39	0.10
							1" Ice	2.22	1.54	0.12
RFV01U-D2A	A	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	1.88	1.01	0.07
				0'			1/2" Ice	2.05	1.14	0.09
							1" Ice	2.22	1.28	0.11
RFV01U-D2A	B	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	1.88	1.01	0.07
				0'			1/2" Ice	2.05	1.14	0.09
							1" Ice	2.22	1.28	0.11
RFV01U-D2A	C	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	1.88	1.01	0.07
				0'			1/2" Ice	2.05	1.14	0.09
							1" Ice	2.22	1.28	0.11
RHSDC-6627-PF-48	B	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	4.06	3.10	0.03
				0'			1/2" Ice	4.32	3.34	0.07
							1" Ice	4.58	3.58	0.11
10-ft 2-Element Dipole	C	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	2.00	2.00	0.02
				5'			1/2" Ice	3.02	3.02	0.04
							1" Ice	4.07	4.07	0.06
(2) KA-6030	A	From Leg	4.00	0'	0.0000	169'3-31/32"	No Ice	0.96	0.29	0.02
				0'			1/2" Ice	1.09	0.36	0.02
							1" Ice	1.22	0.45	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) KA-6030	B	From Leg	4.00 0' 0'	0.0000	169'3-31/32"	No Ice 1/2" Ice 1" Ice	0.96 1.09 1.22	0.29 0.36 0.45	0.02 0.02 0.03
(2) KA-6030	C	From Leg	4.00 0' 0'	0.0000	169'3-31/32"	No Ice 1/2" Ice 1" Ice	0.96 1.09 1.22	0.29 0.36 0.45	0.02 0.02 0.03
Sector Mount [SM 403-3]	A	None		0.0000	169'3-31/32"	No Ice 1/2" Ice 1" Ice	19.40 27.20 34.93	19.40 27.20 34.93	0.87 1.24 1.74
***									
ANT150D3	B	From Leg	6.00 0' 3'	0.0000	145'	No Ice 1/2" Ice 1" Ice	1.60 3.20 4.80	1.60 3.20 4.80	0.01 0.02 0.03
Side Arm Mount [SO 308-1]	B	From Leg	3.00 0' 0'	0.0000	145'	No Ice 1/2" Ice 1" Ice	0.41 0.81 1.23	3.06 5.10 7.20	0.05 0.08 0.12
**									
(2) TPA-65R-BU4DA-K w/ Mount Pipe	A	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	8.55 8.99 9.45	4.83 5.44 6.07	0.08 0.15 0.22
(2) TPA65R-BU6DA-K w/ Mount Pipe	B	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	12.95 13.55 14.11	7.26 8.43 9.31	0.09 0.19 0.29
(2) TPA65R-BU6DA-K w/ Mount Pipe	C	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	12.95 13.55 14.11	7.26 8.43 9.31	0.09 0.19 0.29
7770.00 w/ Mount Pipe	A	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	5.84 6.32 6.77	4.35 5.20 5.92	0.06 0.11 0.16
7770.00 w/ Mount Pipe	B	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	5.84 6.32 6.77	4.35 5.20 5.92	0.06 0.11 0.16
7770.00 w/ Mount Pipe	C	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	5.84 6.32 6.77	4.35 5.20 5.92	0.06 0.11 0.16
RADIO 4449	A	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	1.98 2.16 2.34	1.41 1.57 1.73	0.09 0.10 0.12
RADIO 4449	B	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	1.98 2.16 2.34	1.41 1.57 1.73	0.09 0.10 0.12
RADIO 4449	C	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	1.98 2.16 2.34	1.41 1.57 1.73	0.09 0.10 0.12
RADIO 4478	A	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	1.62 1.78 1.95	1.00 1.13 1.27	0.06 0.07 0.09
RADIO 4478	B	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	1.62 1.78 1.95	1.00 1.13 1.27	0.06 0.07 0.09
RADIO 4478	C	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	1.62 1.78 1.95	1.00 1.13 1.27	0.06 0.07 0.09
RRUS 32	A	From Leg	4.00 0' 0'	0.0000	140'	No Ice 1/2" Ice 1" Ice	2.86 3.08 3.32	1.78 1.97 2.17	0.06 0.08 0.10
RRUS 32	B	From Leg	4.00	0.0000	140'	No Ice	2.86	1.78	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0'				1/2" Ice	3.08	1.97	0.08
			0'				1" Ice	3.32	2.17	0.10
RRUS 32	C	From Leg	4.00		0.0000	140'	No Ice	2.86	1.78	0.06
			0'				1/2" Ice	3.08	1.97	0.08
			0'				1" Ice	3.32	2.17	0.10
Diplexer	A	From Leg	4.00		0.0000	140'	No Ice	0.11	0.03	0.00
			0'				1/2" Ice	0.16	0.05	0.00
			0'				1" Ice	0.21	0.09	0.00
Diplexer	B	From Leg	4.00		0.0000	140'	No Ice	0.11	0.03	0.00
			0'				1/2" Ice	0.16	0.05	0.00
			0'				1" Ice	0.21	0.09	0.00
Diplexer	C	From Leg	4.00		0.0000	140'	No Ice	0.11	0.03	0.00
			0'				1/2" Ice	0.16	0.05	0.00
			0'				1" Ice	0.21	0.09	0.00
DC6-48-60-18-8F	A	From Leg	4.00		0.0000	140'	No Ice	0.85	0.85	0.02
			0'				1/2" Ice	1.36	1.36	0.04
			0'				1" Ice	1.53	1.53	0.05
DC6-48-60-18-8F	B	From Leg	4.00		0.0000	140'	No Ice	0.85	0.85	0.02
			0'				1/2" Ice	1.36	1.36	0.04
			0'				1" Ice	1.53	1.53	0.05
DC6-48-60-18-8F	C	From Leg	4.00		0.0000	140'	No Ice	0.85	0.85	0.02
			0'				1/2" Ice	1.36	1.36	0.04
			0'				1" Ice	1.53	1.53	0.05
DC2-48-60-0-9E	A	From Leg	4.00		0.0000	140'	No Ice	0.99	0.60	0.02
			0'				1/2" Ice	1.12	0.71	0.03
			0'				1" Ice	1.25	0.82	0.04
Sector Mount [SM 406-3]	A	None			0.0000	140'	No Ice	19.76	19.76	0.92
							1/2" Ice	29.24	29.24	1.31
							1" Ice	38.80	38.80	1.84
***										
APXV18-206517S-C w/ Mount Pipe	A	From Face	2.00		0.0000	125'	No Ice	5.40	4.70	0.05
			0'				1/2" Ice	5.96	5.86	0.10
			0'				1" Ice	6.48	6.73	0.15
APXV18-206517S-C w/ Mount Pipe	B	From Face	2.00		0.0000	125'	No Ice	5.40	4.70	0.05
			0'				1/2" Ice	5.96	5.86	0.10
			0'				1" Ice	6.48	6.73	0.15
APXV18-206517S-C w/ Mount Pipe	C	From Face	2.00		0.0000	125'	No Ice	5.40	4.70	0.05
			0'				1/2" Ice	5.96	5.86	0.10
			0'				1" Ice	6.48	6.73	0.15
APXV18-206517S-C w/ Mount Pipe	B	From Leg	2.00		0.0000	125'	No Ice	5.40	4.70	0.05
			0'				1/2" Ice	5.96	5.86	0.10
			0'				1" Ice	6.48	6.73	0.15
APXVAA24_43_U_NA20 w/ Mount Pipe	A	From Face	2.00		0.0000	125'	No Ice	20.48	11.02	0.19
			0'				1/2" Ice	21.23	12.55	0.32
			0'				1" Ice	21.99	14.10	0.47
APXVAA24_43_U_NA20 w/ Mount Pipe	B	From Face	2.00		0.0000	125'	No Ice	20.48	11.02	0.19
			0'				1/2" Ice	21.23	12.55	0.32
			0'				1" Ice	21.99	14.10	0.47
APXVAA24_43_U_NA20 w/ Mount Pipe	C	From Face	2.00		0.0000	125'	No Ice	20.48	11.02	0.19
			0'				1/2" Ice	21.23	12.55	0.32
			0'				1" Ice	21.99	14.10	0.47
APXVAA24_43_U_NA20 w/ Mount Pipe	B	From Leg	2.00		0.0000	125'	No Ice	20.48	11.02	0.19
			0'				1/2" Ice	21.23	12.55	0.32
			0'				1" Ice	21.99	14.10	0.47
AIR 6449 B41 w/ Mount Pipe	A	From Face	2.00		0.0000	125'	No Ice	5.87	3.27	0.13
			0'				1/2" Ice	6.23	3.73	0.18
			0'				1" Ice	6.61	4.20	0.23

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
AIR 6449 B41 w/ Mount Pipe	B	From Face	2.00	0'	0.0000	125'	No Ice	5.87	3.27	0.13
							1/2" Ice	6.23	3.73	0.18
							1" Ice	6.61	4.20	0.23
AIR 6449 B41 w/ Mount Pipe	C	From Face	2.00	0'	0.0000	125'	No Ice	5.87	3.27	0.13
							1/2" Ice	6.23	3.73	0.18
							1" Ice	6.61	4.20	0.23
AIR 6449 B41 w/ Mount Pipe	B	From Leg	2.00	0'	0.0000	125'	No Ice	5.87	3.27	0.13
							1/2" Ice	6.23	3.73	0.18
							1" Ice	6.61	4.20	0.23
RADIO 4449	A	From Face	2.00	0'	0.0000	125'	No Ice	1.98	1.41	0.09
							1/2" Ice	2.16	1.57	0.10
							1" Ice	2.34	1.73	0.12
RADIO 4449	B	From Face	2.00	0'	0.0000	125'	No Ice	1.98	1.41	0.09
							1/2" Ice	2.16	1.57	0.10
							1" Ice	2.34	1.73	0.12
RADIO 4449	C	From Face	2.00	0'	0.0000	125'	No Ice	1.98	1.41	0.09
							1/2" Ice	2.16	1.57	0.10
							1" Ice	2.34	1.73	0.12
RADIO 4449	B	From Leg	2.00	0'	0.0000	125'	No Ice	1.98	1.41	0.09
							1/2" Ice	2.16	1.57	0.10
							1" Ice	2.34	1.73	0.12
RADIO 4415	A	From Face	2.00	0'	0.0000	125'	No Ice	1.86	0.87	0.05
							1/2" Ice	2.03	1.00	0.06
							1" Ice	2.20	1.14	0.08
RADIO 4415	B	From Face	2.00	0'	0.0000	125'	No Ice	1.86	0.87	0.05
							1/2" Ice	2.03	1.00	0.06
							1" Ice	2.20	1.14	0.08
RADIO 4415	C	From Face	2.00	0'	0.0000	125'	No Ice	1.86	0.87	0.05
							1/2" Ice	2.03	1.00	0.06
							1" Ice	2.20	1.14	0.08
RADIO 4415	B	From Leg	2.00	0'	0.0000	125'	No Ice	1.86	0.87	0.05
							1/2" Ice	2.03	1.00	0.06
							1" Ice	2.20	1.14	0.08
Pipe Mount [PM 601-3]	A	None			0.0000	125'	No Ice	3.17	3.17	0.20
							1/2" Ice	3.79	3.79	0.23
							1" Ice	4.42	4.42	0.28
Pipe Mount [PM 601-1]	B	From Leg	0.50	0'	0.0000	125'	No Ice	1.32	1.32	0.07
							1/2" Ice	1.58	1.58	0.08
							1" Ice	1.84	1.84	0.09
Sector Mount [SM 201-3]	A	None			0.0000	125'	No Ice	24.76	24.76	1.08
							1/2" Ice	33.89	33.89	1.52
							1" Ice	43.00	43.00	2.10
Sector Mount [SM 201-1]	B	From Leg	1.00	0'	0.0000	125'	No Ice	17.06	4.95	0.36
							1/2" Ice	22.64	7.48	0.51
							1" Ice	28.13	10.09	0.70
2.4" Dia x 8-ft Mount Pipe	A	From Face	2.00	0'	0.0000	125'	No Ice	1.90	1.90	0.03
							1/2" Ice	2.73	2.73	0.04
							1" Ice	3.40	3.40	0.06
2.4" Dia x 8-ft Mount Pipe	B	From Face	2.00	0'	0.0000	125'	No Ice	1.90	1.90	0.03
							1/2" Ice	2.73	2.73	0.04
							1" Ice	3.40	3.40	0.06
2.4" Dia x 8-ft Mount Pipe	C	From Face	2.00	0'	0.0000	125'	No Ice	1.90	1.90	0.03
							1/2" Ice	2.73	2.73	0.04
							1" Ice	3.40	3.40	0.06
2.4" Dia x 8-ft Mount Pipe	B	From Leg	2.00	0'	0.0000	125'	No Ice	1.90	1.90	0.03
							1/2" Ice	2.73	2.73	0.04
							1" Ice	3.40	3.40	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
***									
ANT150D3	B	From Leg	6.00 0' 10'	0.0000	105'	No Ice 1/2" Ice 1" Ice	1.60 3.20 4.80	1.60 3.20 4.80	0.01 0.02 0.03
2.4" Dia x 8-ft Mount Pipe	B	From Leg	6.00 0' 2'	0.0000	105'	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
Pirod 6-8' Box Arm (1)	B	From Leg	3.00 0' 0'	0.0000	105'	No Ice 1/2" Ice 1" Ice	4.50 9.87 15.24	4.50 9.87 15.24	0.21 0.28 0.34
***									
Ice Shield 4'x8'	B	From Leg	4.00 0' 0'	0.0000	101'	No Ice 1/2" Ice 1" Ice	7.20 7.79 8.38	7.20 7.20 5.28	0.55 0.79 1.04
***									
PD458-2	A	From Leg	6.00 0' 7'	0.0000	98'	No Ice 1/2" Ice 1" Ice	3.40 4.79 6.20	3.40 4.79 6.20	0.02 0.05 0.08
2.4" Dia x 8-ft Mount Pipe	A	From Leg	6.00 0' 0'	0.0000	98'	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
Pirod 6-8' Box Arm (1)	A	From Leg	3.00 0' 0'	0.0000	98'	No Ice 1/2" Ice 1" Ice	4.50 9.87 15.24	4.50 9.87 15.24	0.21 0.28 0.34
*									
Pirod 6-8' Box Arm (1)	C	From Leg	3.00 0' 0'	0.0000	98'	No Ice 1/2" Ice 1" Ice	4.50 9.87 15.24	4.50 9.87 15.24	0.21 0.28 0.34
***									
Side Arm Mount [SO 203-1]	B	From Leg	1.50 0' 0'	0.0000	97'	No Ice 1/2" Ice 1" Ice	1.78 2.24 2.75	3.79 4.47 5.21	0.12 0.15 0.19
***									
6-ft Yagi	A	From Leg	6.00 0' 4'	0.0000	78'	No Ice 1/2" Ice 1" Ice	0.25 0.76 1.27	1.85 5.03 8.21	0.02 0.03 0.05
2.4" Dia x 8-ft Mount Pipe	A	From Leg	6.00 0' 0'	0.0000	78'	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
Pirod 6-8' Box Arm (1)	A	From Leg	3.00 0' 0'	0.0000	78'	No Ice 1/2" Ice 1" Ice	4.50 9.87 15.24	4.50 9.87 15.24	0.21 0.28 0.34
*									
DB222	B	From Leg	6.00 0' 10'	0.0000	78'	No Ice 1/2" Ice 1" Ice	1.60 2.88 4.16	1.60 2.88 4.16	0.02 0.02 0.03
2.4" Dia x 8-ft Mount Pipe	B	From Leg	6.00 0' 0'	0.0000	78'	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.40	1.90 2.73 3.40	0.03 0.04 0.06
Pirod 6-8' Box Arm (1)	B	From Leg	3.00 0' 0'	0.0000	78'	No Ice 1/2" Ice 1" Ice	4.50 9.87 15.24	4.50 9.87 15.24	0.21 0.28 0.34
*									
PD1142-1	C	From Leg	6.00 0' 0'	0.0000	78'	No Ice 1/2" Ice 1" Ice	1.32 3.21 5.12	1.32 3.21 5.12	0.01 0.02 0.05
BCD-80609	C	From Leg	6.00	0.0000	78'	No Ice	2.95	2.95	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0'			1/2" Ice	4.11	4.11	0.05
			10'			1" Ice	5.29	5.29	0.08
PD220	C	From Leg	6.00	0.0000	78'	No Ice	3.08	3.08	0.02
			0'			1/2" Ice	5.30	5.30	0.05
			-10'			1" Ice	7.54	7.54	0.09
Pirod 6-8' Box Arm (1)	C	From Leg	3.00	0.0000	78'	No Ice	4.50	4.50	0.21
			0'			1/2" Ice	9.87	9.87	0.28
			0'			1" Ice	15.24	15.24	0.34
***									
GPS_A	A	From Leg	3.00	0.0000	32'	No Ice	0.12	0.12	0.00
			0'			1/2" Ice	0.21	0.21	0.00
			0'			1" Ice	0.28	0.28	0.01
Side Arm Mount [SO 305-1]	A	From Leg	1.50	0.0000	32'	No Ice	0.53	1.52	0.03
			0'			1/2" Ice	0.78	2.07	0.04
			0'			1" Ice	1.06	2.66	0.06
***									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
PAD6-59	C	Paraboloid w/Radome	From Leg	1.00	0.0000		188'	6.00	No Ice	28.27	0.19
				0'					1/2" Ice	29.07	0.33
				0'					1" Ice	29.86	0.48
***											
PAD6-59	B	Paraboloid w/Radome	From Leg	1.00	0.0000		97'	6.00	No Ice	28.27	0.19
				0'					1/2" Ice	29.07	0.33
				0'					1" Ice	29.86	0.48
***											

Truss-Leg Properties

Section Designation	Area in^2	Area Ice in^2	Self Weight K	Ice Weight K	Equiv. Diameter in	Equiv. Diameter Ice in	Leg Area in^2
Pirod 105244	1038.8549	2996.2153	0.57	0.41	7.2143	20.8071	3.6816
Pirod 105244	1038.8549	2993.8257	0.57	0.41	7.2143	20.7905	3.6816
Pirod 105216	2185.5952	5872.9953	0.48	0.78	7.5889	20.3923	3.6816
Pirod 105217	2312.6169	5936.1338	0.60	0.79	8.0299	20.6116	5.3014
Pirod 105217	2312.6169	5929.7867	0.60	0.78	8.0299	20.5895	5.3014
Pirod 105218	2263.4687	6271.0303	0.75	0.79	7.8593	21.7744	7.2158
Pirod 105218	2263.4687	6256.8223	0.75	0.77	7.8593	21.7251	7.2158
Pirod 105218	2263.4687	6246.3919	0.75	0.76	7.8593	21.6889	7.2158
Pirod 105219	2441.8688	6300.9329	0.94	0.78	8.4787	21.8782	9.4248

Section Designation	Area	Area Ice	Self Weight	Ice Weight	Equiv. Diameter	Equiv. Diameter Ice	Leg Area
	in^2	in^2	K	K	in	in	in^2
Pirod 105219	2441.8688	6273.0399	0.94	0.75	8.4787	21.7814	9.4248
Pirod 105220	2578.8005	6308.7762	1.12	0.73	8.9542	21.9055	11.9282
Pirod 105220	2578.8005	6256.0019	1.12	0.68	8.9542	21.7222	11.9282
Pirod 112738	3389.3479	7833.4841	1.76	0.79	11.7686	27.1996	14.7262

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service

Comb. No.	Description
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	195 - 190	2.683	43	0.1046	0.0069
T2	190 - 180	2.574	43	0.1046	0.0069
T3	180 - 160	2.352	43	0.1045	0.0075
T4	160 - 150	1.906	43	0.1009	0.0089
T5	150 - 140	1.691	43	0.0976	0.0093
T6	140 - 120	1.485	43	0.0925	0.0094
T7	120 - 110	1.102	43	0.0820	0.0090
T8	110 - 100	0.928	43	0.0752	0.0082
T9	100 - 80	0.770	43	0.0674	0.0073
T10	80 - 60	0.493	43	0.0540	0.0049
T11	60 - 40	0.281	43	0.0387	0.0033
T12	40 - 20	0.131	43	0.0255	0.0020
T13	20 - 0	0.034	43	0.0115	0.0009

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
193'	1/2" x 6' LRod	43	2.639	0.1046	0.0069	213193
192'	HSS 2x2x 6' (101953)	43	2.618	0.1046	0.0069	213193
190'	HSS 2x2x 6' (101953)	43	2.574	0.1046	0.0069	213193
188'	PAD6-59	43	2.530	0.1046	0.0069	213193
186'	HSS 2x2x 6' (101953)	43	2.486	0.1046	0.0071	205667
184'	OTG9-840	43	2.441	0.1046	0.0072	236608
175'	(2) 96" x 8" x 6" Panel	43	2.240	0.1040	0.0079	302035
169'3-31/32"	(2) NHH-65B-R2B w/ Mount Pipe	43	2.113	0.1031	0.0082	Inf
145'	ANT150D3	43	1.587	0.0951	0.0093	409716
140'	(2) TPA-65R-BU4DA-K w/ Mount Pipe	43	1.485	0.0925	0.0094	126793
125'	APXV18-206517S-C w/ Mount Pipe	43	1.194	0.0848	0.0092	134159
105'	ANT150D3	43	0.847	0.0713	0.0078	110781
101'	Ice Shield 4'x8'	43	0.785	0.0682	0.0074	83034
98'	PD458-2	43	0.740	0.0660	0.0071	99237
97'	PAD6-59	43	0.725	0.0653	0.0070	101547
78'	6-ft Yagi	43	0.469	0.0525	0.0047	99778
32'	GPS_A	43	0.085	0.0199	0.0015	68469
						81433

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	195 - 190	10.646	10	0.4146	0.0282
T2	190 - 180	10.213	10	0.4146	0.0280
T3	180 - 160	9.333	10	0.4138	0.0306
T4	160 - 150	7.567	10	0.3991	0.0361
T5	150 - 140	6.716	10	0.3856	0.0376
T6	140 - 120	5.903	10	0.3652	0.0381
T7	120 - 110	4.388	10	0.3236	0.0364
T8	110 - 100	3.699	10	0.2969	0.0333
T9	100 - 80	3.072	10	0.2666	0.0299
T10	80 - 60	1.971	10	0.2142	0.0199
T11	60 - 40	1.127	10	0.1538	0.0133
T12	40 - 20	0.528	10	0.1017	0.0083
T13	20 - 0	0.137	10	0.0460	0.0035

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
193'	1/2" x 6' LRod	10	10.473	0.4146	0.0280	53016
192'	HSS 2x2x 6' (101953)	10	10.387	0.4146	0.0280	53016
190'	HSS 2x2x 6' (101953)	10	10.213	0.4146	0.0280	53016
188'	PAD6-59	10	10.039	0.4146	0.0283	51147
186'	HSS 2x2x 6' (101953)	10	9.863	0.4146	0.0287	58848
184'	OTG9-840	10	9.687	0.4145	0.0293	74857
175'	(2) 96" x 8" x 6" Panel	10	8.889	0.4118	0.0320	631056
169'3-31/32"	(2) NHH-65B-R2B w/ Mount Pipe	10	8.386	0.4080	0.0334	100034
145'	ANT150D3	10	6.305	0.3758	0.0380	31196
140'	(2) TPA-65R-BU4DA-K w/ Mount Pipe	10	5.903	0.3652	0.0381	32870
125'	APXV18-206517S-C w/ Mount Pipe	10	4.752	0.3348	0.0374	27473
105'	ANT150D3	10	3.379	0.2817	0.0317	21373
101'	Ice Shield 4'x8'	10	3.132	0.2696	0.0303	25842
98'	PD458-2	10	2.952	0.2610	0.0290	26465
97'	PAD6-59	10	2.893	0.2583	0.0286	25959
78'	6-ft Yagi	10	1.874	0.2085	0.0190	17313
32'	GPS_A	10	0.342	0.0794	0.0063	20451

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load / Allowable	Allowable Ratio	Criteria
T1	195	Leg	A325N	1.0000	6	0.03	54.52	0.000	1.05	Bolt Tension
		Diagonal	A325N	1.0000	1	0.30	41.76	0.007	1.05	Member Bearing
T2	190	Leg	A325N	1.0000	6	0.20	54.52	0.004	1.05	Bolt Tension
		Diagonal	A325N	1.0000	1	1.55	10.66	0.145	1.05	Member Block Shear
T3	180	Leg	A325N	1.0000	6	2.05	54.52	0.038	1.05	Bolt Tension
		Diagonal	A325N	1.0000	1	5.02	11.68	0.430	1.05	Member Block Shear

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
T4	160	Diagonal	A325N	1.0000	1	5.88	19.47	0.302	1.05	Member Block Shear
		Secondary Horizontal	A325N	1.0000	1	0.92	11.96	0.077	1.05	Member Block Shear
T5	150	Leg	A325N	1.0000	6	5.86	54.52	0.107	1.05	Bolt Tension
		Diagonal	A325N	1.0000	1	6.52	19.47	0.335	1.05	Member Block Shear
T6	140	Leg	A325N	1.0000	6	10.31	54.52	0.189	1.05	Bolt Tension
		Diagonal	A325N	1.0000	1	8.13	19.47	0.417	1.05	Member Block Shear
		Top Girt	A325N	1.0000	1	1.33	26.27	0.051	1.05	Member Block Shear
T7	120	Diagonal	A325N	1.0000	1	9.24	26.27	0.352	1.05	Member Block Shear
		Secondary Horizontal	A325N	1.0000	1	1.63	14.95	0.109	1.05	Member Block Shear
T8	110	Leg	A325N	1.0000	6	15.34	54.52	0.281	1.05	Bolt Tension
		Diagonal	A325N	1.0000	1	9.21	26.27	0.351	1.05	Member Block Shear
T9	100	Leg	A325N	1.2500	6	20.41	87.22	0.234	1.05	Bolt Tension
		Diagonal	A325N	1.2500	1	10.20	24.40	0.418	1.05	Member Block Shear
T10	80	Leg	A325N	1.2500	6	25.29	87.22	0.290	1.05	Bolt Tension
		Diagonal	A325N	1.2500	1	10.93	36.60	0.299	1.05	Member Block Shear
T11	60	Leg	A325N	1.2500	6	29.98	87.22	0.344	1.05	Bolt Tension
		Diagonal	A325N	1.2500	1	11.68	42.63	0.274	1.05	Gusset Bearing
T12	40	Leg	A325N	1.2500	6	34.65	87.22	0.397	1.05	Bolt Tension
		Diagonal	A325N	1.2500	1	13.03	42.63	0.306	1.05	Gusset Bearing
T13	20	Leg	A325N	2.0000	6	37.22	224.84	0.166	1.05	Bolt Tension
		Diagonal	A325N	1.0000	2	7.81	38.92	0.201	1.05	Member Block 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 $\frac{P_u}{\phi P_n}$
T1	195 - 190	Pirod 105244	5'	5'	45.4 K=1.00	3.6816	-0.47	142.49	0.003 [1]
T2	190 - 180	Pirod 105244	10'	10'	45.4 K=1.00	3.6816	-3.51	142.49	0.025 [1]
T3	180 - 160	Pirod 105216	20'	10'	45.4 K=1.00	3.6816	-16.94	142.49	0.119 [1]
T4	160 - 150	Pirod 105217	10'	5'	37.8 K=1.00	5.3014	-29.51	214.86	0.137 [1]
T5	150 - 140	Pirod 105217	10'	10'	37.8 K=1.00	5.3014	-43.18	214.86	0.201 [1]
T6	140 - 120	Pirod 105218	20'3/8"	10'1/4"	32.4 K=1.00	7.2158	-76.96	300.68	0.256 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T7	120 - 110	Pirod 105218	10'1/4"	5'2-5/32"	32.4 K=1.00	7.2158	-93.85	300.68	0.312 [1]
T8	110 - 100	Pirod 105218	10'1/4"	10'1/4"	32.4 K=1.00	7.2158	-113.88	300.68	0.379 [1]
T9	100 - 80	Pirod 105219	20'3/8"	10'1/4"	28.4 K=1.00	9.4248	-150.02	399.87	0.375 [1]
T10	80 - 60	Pirod 105219	20'3/8"	10'1/4"	28.4 K=1.00	9.4248	-186.24	399.87	0.466 [1]
T11	60 - 40	Pirod 105220	20'3/8"	10'1/4"	25.2 K=1.00	11.9282	-222.07	512.38	0.433 [1]
T12	40 - 20	Pirod 105220	20'3/8"	10'1/4"	25.2 K=1.00	11.9282	-258.81	512.38	0.505 [1]
T13	20 - 0	Pirod 112738	20'3/8"	20'3/8"	32.6 K=1.00	14.7262	-277.63	613.14	0.453 [1]

[1] P_u / ϕP_n controls

Truss-Leg Diagonal Data

Section No.	Elevation ft	Diagonal Size	L_d ft	Kl/r	ϕP_n K	A in^2	V_u K	ϕV_n K	Stress Ratio
T1	195 - 190	0.5	1'5-3/4"	121.0	165.67	0.1963	0.26	3.29	0.078
T2	190 - 180	0.5	1'5-3/4"	121.0	165.67	0.1963	0.71	3.29	0.217
T3	180 - 160	0.5	1'5-3/4"	121.0	165.67	0.1963	1.18	3.29	0.359
T4	160 - 150	0.5	1'5-5/8"	120.0	238.56	0.1963	0.71	3.34	0.211
T5	150 - 140	0.5	1'5-5/8"	120.0	238.56	0.1963	0.49	3.34	0.146
T6	140 - 120	0.5	1'5-17/32"	119.0	324.71	0.1963	1.18	3.38	0.351
T7	120 - 110	0.5	1'5-17/32"	119.0	324.71	0.1963	1.15	3.38	0.340
T8	110 - 100	0.5	1'5-17/32"	119.0	324.71	0.1963	0.58	3.38	0.170
T9	100 - 80	0.625	1'5-13/32"	94.4	424.12	0.3068	0.61	6.96	0.087
T10	80 - 60	0.625	1'5-13/32"	94.4	424.12	0.3068	0.48	6.96	0.069
T11	60 - 40	0.625	1'5-5/32"	93.6	536.77	0.3068	0.50	7.01	0.071
T12	40 - 20	0.625	1'5-5/32"	93.6	536.77	0.3068	1.92	7.01	0.275
T13	20 - 0	0.75	1'8-3/4"	93.9	662.68	0.4418	1.03	14.36	0.072

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	195 - 190	2L2 1/2x2 1/2x3/16x1/2	7'9-23/32"	6'8-7/8"	104.0 K=1.00	1.8047	-0.30	0.77	0.394 [1]
T2	190 - 180	2L 'a' > 38.5885 in - 8 L2 1/2x2 1/2x3/16	15'7-7/16"	6'11-13/32"	168.5 K=1.00	0.9023	-1.53	9.09	0.169 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T3	180 - 160	L3x3x3/16	15'7-7/16"	6'11-13/32"	140.0 K=1.00	1.0900	-5.14	15.93	0.323 [1]
T4	160 - 150	L3x3x5/16	15'7-7/16"	6'11-13/32"	143.1 K=1.00	1.7800	-6.04	24.89	0.243 [1]
T5	150 - 140	L3x3x5/16	15'7-7/16"	6'11-13/32"	143.1 K=1.00	1.7800	-6.79	24.89	0.273 [1]
T6	140 - 120	L3x3x5/16	16'9-19/32"	7'10-9/16"	162.2 K=1.00	1.7800	-8.20	19.36	0.424 [1]
T7	120 - 110	L3 1/2x3 1/2x5/16	17'7-7/16"	8'3-19/32"	145.3 K=1.00	2.1000	-9.73	28.46	0.342 [1]
T8	110 - 100	L3 1/2x3 1/2x5/16	18'5-13/32"	8'8-5/8"	152.7 K=1.00	2.1000	-9.27	25.77	0.360 [1]
T9	100 - 80	L4x4x1/4	20'1-29/32"	9'6-15/32"	144.0 K=1.00	1.9400	-10.35	26.77	0.387 [1]
T10	80 - 60	L4x4x3/8	21'11-1/32"	10'5-5/32"	158.8 K=1.00	2.8600	-11.02	32.46	0.339 [1]
T11	60 - 40	L5x5x3/8	23'8-17/32"	11'3-31/32"	137.3 K=1.00	3.6100	-11.44	54.77	0.209 [1]
T12	40 - 20	L5x5x3/8	24'7-7/16"	11'9-15/32"	142.9 K=1.00	3.6100	-12.79	50.57	0.253 [1]
T13	20 - 0	2L3 1/2x3 1/2x5/16x1 2L 'a' > 82.1092 in - 163	32'1/4"	15'4-13/16"	170.7 K=0.93	4.1797	-18.99	41.05	0.463 [1]

[1] P_u / ϕP_n controls

Secondary Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T4	160 - 150	L3 1/2x3 1/2x1/4	12'	5'3-31/32"	106.1 K=1.15	1.6900	-0.70	39.30	0.018 [1]
T7	120 - 110	L3x3x5/16	14'5-3/4'	6'6-27/32"	135.3 K=1.00	1.7800	-1.63	27.82	0.059 [1]

[1] P_u / ϕP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	195 - 190	2L2-1/2x2-1/2x3/16x1/2	12'	8'3"	127.2 K=1.00	1.8047	-0.12	20.42	0.006 [1]
T6	140 - 120	2L 'a' > 31.4764 in - 6 L3-1/2x3-1/2x5/16	12'	10'6-31/32"	184.1 K=1.00	2.0898	-1.33	17.65	0.076 [1]

[1] P_u / ϕP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T2	190 - 180	Pirod 105244	10'	10'	45.4	3.6816	0.69	165.67	0.004 [1]
T3	180 - 160	Pirod 105216	20'	10'	45.4	3.6816	12.29	165.67	0.074 [1]
T4	160 - 150	Pirod 105217	10'	5'	37.8	5.3014	22.84	238.56	0.096 [1]
T5	150 - 140	Pirod 105217	10'	10'	37.8	5.3014	35.13	238.56	0.147 [1]
T6	140 - 120	Pirod 105218	20'3/8"	10'1/4"	32.4	7.2158	61.89	324.71	0.191 [1]
T7	120 - 110	Pirod 105218	10'1/4"	4'10-3/32"	32.4	7.2158	76.15	324.71	0.235 [1]
T8	110 - 100	Pirod 105218	10'1/4"	10'1/4"	32.4	7.2158	92.01	324.71	0.283 [1]
T9	100 - 80	Pirod 105219	20'3/8"	10'1/4"	28.4	9.4248	122.47	424.12	0.289 [1]
T10	80 - 60	Pirod 105219	20'3/8"	10'1/4"	28.4	9.4248	151.76	424.12	0.358 [1]
T11	60 - 40	Pirod 105220	20'3/8"	10'1/4"	25.2	11.9282	179.91	536.77	0.335 [1]
T12	40 - 20	Pirod 105220	20'3/8"	10'1/4"	25.2	11.9282	207.88	536.77	0.387 [1]
T13	20 - 0	Pirod 112738	20'3/8"	20'3/8"	32.6	14.7262	223.29	662.68	0.337 [1]

[1] P_u / ϕP_n controls

Truss-Leg Diagonal Data

Section No.	Elevation ft	Diagonal Size	L_d ft	Kl/r	ϕP_n K	A in^2	V_u K	ϕV_n K	Stress Ratio
T1	195 - 190	0.5	1'5-3/4"	121.0	165.67	0.1963	0.26	3.29	0.078
T2	190 - 180	0.5	1'5-3/4"	121.0	165.67	0.1963	0.71	3.29	0.217
T3	180 - 160	0.5	1'5-3/4"	121.0	165.67	0.1963	1.18	3.29	0.359
T4	160 - 150	0.5	1'5-5/8"	120.0	238.56	0.1963	0.71	3.34	0.211
T5	150 - 140	0.5	1'5-5/8"	120.0	238.56	0.1963	0.49	3.34	0.146
T6	140 - 120	0.5	1'5-17/32"	119.0	324.71	0.1963	1.18	3.38	0.351
T7	120 - 110	0.5	1'5-17/32"	119.0	324.71	0.1963	1.15	3.38	0.340
T8	110 - 100	0.5	1'5-17/32"	119.0	324.71	0.1963	0.58	3.38	0.170
T9	100 - 80	0.625	1'5-13/32"	94.4	424.12	0.3068	0.61	6.96	0.087
T10	80 - 60	0.625	1'5-13/32"	94.4	424.12	0.3068	0.48	6.96	0.069
T11	60 - 40	0.625	1'5-5/32'	93.6	536.77	0.3068	0.50	7.01	0.071
T12	40 - 20	0.625	1'5-5/32'	93.6	536.77	0.3068	1.92	7.01	0.275
T13	20 - 0	0.75	1'8-3/4"	93.9	662.68	0.4418	1.03	14.36	0.072

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	195 - 190	2L2 1/2x2 1/2x3/16x1/2 2L 'a' > 38.5885 in - 8	7'9-23/32"	6'8-7/8"	110.4	1.0371	0.05	45.11	0.001 [1]
T2	190 - 180	L2 1/2x2 1/2x3/16	15'7-7/16"	6'11-13/32"	110.4	0.5186	1.55	22.56	0.069 [1]
T3	180 - 160	L3x3x3/16	15'7-7/16"	6'11-13/32"	91.5	0.6593	5.02	28.68	0.175 [1]
T4	160 - 150	L3x3x5/16	15'7-7/16"	6'11-13/32"	93.6	1.0713	5.88	46.60	0.126 [1]
T5	150 - 140	L3x3x5/16	15'7-7/16"	6'11-13/32"	93.6	1.0713	6.52	46.60	0.140 [1]
T6	140 - 120	L3x3x5/16	16'9-19/32"	7'10-9/16"	105.8	1.0713	8.13	46.60	0.174 [1]
T7	120 - 110	L3 1/2x3 1/2x5/16	17'7-7/16"	8'3-19/32"	94.5	1.3113	9.24	57.04	0.162 [1]
T8	110 - 100	L3 1/2x3 1/2x5/16	18'5-13/32"	8'8-5/8"	99.2	1.3113	9.21	57.04	0.161 [1]
T9	100 - 80	L4x4x1/4	20'1-29/32"	9'6-15/32"	94.0	1.1972	10.20	52.08	0.196 [1]
T10	80 - 60	L4x4x3/8	21'11-1/32"	10'5-5/32"	104.2	1.7583	10.93	76.49	0.143 [1]
T11	60 - 40	L5x5x3/8	23'8-17/32"	11'3-31/32"	89.1	2.3208	11.68	100.95	0.116 [1]
T12	40 - 20	L5x5x3/8	25'6-15/32"	12'3"	96.1	2.3208	13.03	100.95	0.129 [1]
T13	20 - 0	2L3 1/2x3 1/2x5/16x1 2L 'a' > 82.1092 in - 163	32'1/4"	15'4-13/16"	173.9	2.6074	15.62	113.42	0.138 [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 $\frac{P_u}{\phi P_n}$
T4	160 - 150	L3 1/2x3 1/2x1/4	12'	5'3-31/32"	121.1	1.0566	0.92	45.96	0.020 [1]
T7	120 - 110	L3x3x5/16	14'5-3/4' '	6'6-27/32"	176.2	1.0713	1.63	46.60	0.035 [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 $\frac{P_u}{\phi P_n}$

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	195 - 190	2L2-1/2x2-1/2x3/16x1/2	12'	8'3"	84.8	1.8047	0.17	58.47	0.003 [1]
T6	140 - 120	2L 'a' > 31.4764 in - 6 L3-1/2x3-1/2x5/16	12'	10'6-31/32"	121.9	1.3037	1.33	56.71	0.024 [1]

[1] $P_u / \phi P_n$ controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	195 - 190	Leg	Pirod 105244	1	-0.47	149.62	7.4	Pass
T2	190 - 180	Leg	Pirod 105244	15	-3.51	149.62	20.6	Pass
T3	180 - 160	Leg	Pirod 105216	23	-16.44	149.62	34.2	Pass
T4	160 - 150	Leg	Pirod 105217	37	-29.51	225.60	20.1	Pass
T5	150 - 140	Leg	Pirod 105217	49	-43.18	225.60	19.1	Pass
T6	140 - 120	Leg	Pirod 105218	59	-76.96	315.72	33.4	Pass
T7	120 - 110	Leg	Pirod 105218	77	-93.85	315.72	32.4	Pass
T8	110 - 100	Leg	Pirod 105218	89	-113.88	315.72	36.1	Pass
T9	100 - 80	Leg	Pirod 105219	98	-150.02	419.86	35.7	Pass
T10	80 - 60	Leg	Pirod 105219	113	-186.24	419.86	44.4	Pass
T11	60 - 40	Leg	Pirod 105220	128	-222.07	537.99	41.3	Pass
T12	40 - 20	Leg	Pirod 105220	143	-258.81	537.99	48.1	Pass
T13	20 - 0	Leg	Pirod 112738	158	-277.63	643.80	43.1	Pass
T1	195 - 190	Diagonal	2L2 1/2x2 1/2x3/16x1/2	8	-0.30	0.81	37.5	Pass
T2	190 - 180	Diagonal	L2 1/2x2 1/2x3/16	21	-1.53	9.55	16.0	Pass
T3	180 - 160	Diagonal	L3x3x3/16	29	-5.14	16.72	30.7 40.9 (b)	Pass
T4	160 - 150	Diagonal	L3x3x5/16	44	-6.04	26.13	23.1 28.7 (b)	Pass
T5	150 - 140	Diagonal	L3x3x5/16	53	-6.79	26.13	26.0 31.9 (b)	Pass
T6	140 - 120	Diagonal	L3x3x5/16	65	-8.20	20.32	40.4	Pass
T7	120 - 110	Diagonal	L3 1/2x3 1/2x5/16	80	-9.73	29.88	32.6 33.5 (b)	Pass
T8	110 - 100	Diagonal	L3 1/2x3 1/2x5/16	91	-9.27	27.06	34.3	Pass
T9	100 - 80	Diagonal	L4x4x1/4	103	-10.35	28.11	36.8 39.8 (b)	Pass
T10	80 - 60	Diagonal	L4x4x3/8	118	-11.02	34.09	32.3	Pass
T11	60 - 40	Diagonal	L5x5x3/8	133	-11.44	57.51	19.9 26.1 (b)	Pass
T12	40 - 20	Diagonal	L5x5x3/8	154	-12.79	53.10	24.1 29.1 (b)	Pass
T13	20 - 0	Diagonal	2L3 1/2x3 1/2x5/16x1	163	-18.99	43.11	44.1	Pass
T4	160 - 150	Secondary Horizontal	L3 1/2x3 1/2x1/4	47	0.92	48.26	1.9 7.3 (b)	Pass
T7	120 - 110	Secondary Horizontal	L3x3x5/16	85	-1.63	29.21	5.6 10.4 (b)	Pass
T1	195 - 190	Top Girt	2L2-1/2x2-1/2x3/16x1/2	6	-0.12	21.44	0.6	Pass
T6	140 - 120	Top Girt	L3-1/2x3-1/2x5/16	61	-1.33	18.54	7.2	Pass
							Summary	
						Leg (T12)	48.1	Pass
						Diagonal (T13)	44.1	Pass
						Secondary Horizontal	10.4	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
						(T7) Top Girt	7.2	Pass
						(T6) Bolt Checks	40.9	Pass
						RATING =	**48.1**	**Pass**

APPENDIX B

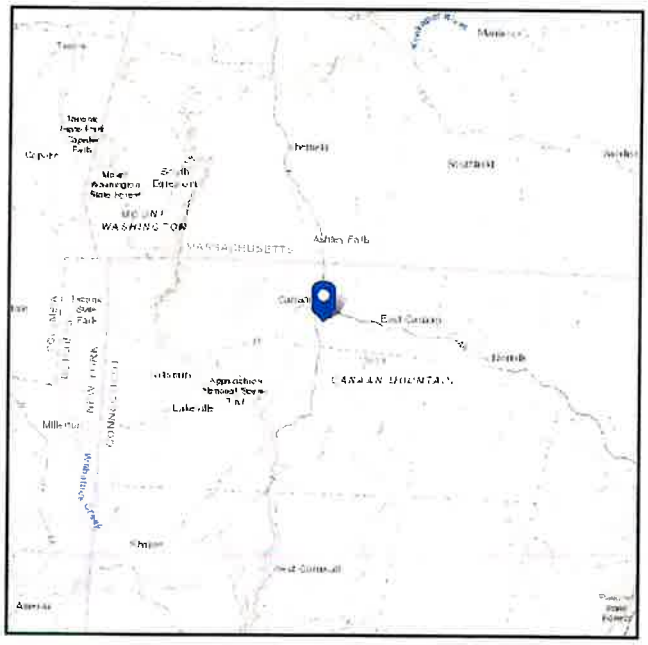
ADDITIONAL CALCULATIONS

ASCE Hazards Report

Address:
No Address at This Location

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

Latitude: 42.014658
Longitude: -73.326289
Elevation: 963.2681606703808 ft (NAVD 88)



Wind

Results:

Wind Speed	121 Vmph
10-year MRI	75 Vmph
25-year MRI	83 Vmph
50-year MRI	89 Vmph
100-year MRI	95 Vmph

Data Source: ASCE/SEI 7-16, Fig. 26.5-1C and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Wed Feb 21 2024

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 3% probability of exceedance in 50 years (annual exceedance probability = 0.000588, MRI = 1,700 years).

Site is not in a hurricane-prone region as defined in ASCE/SEI 7-16 Section 26.2.

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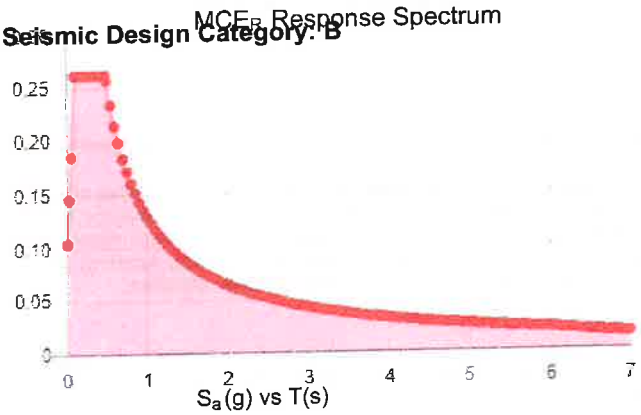
Seismic

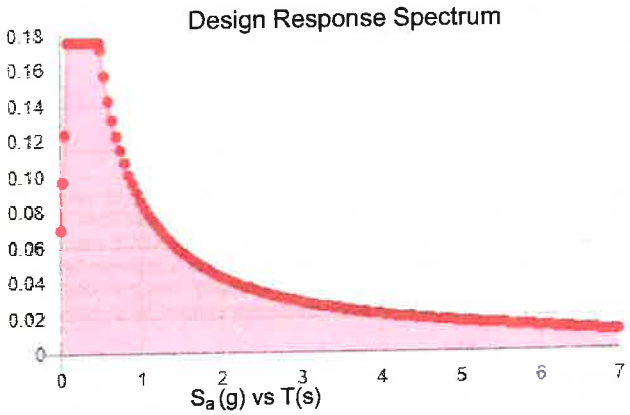
Site Soil Class: D - Default (see Section 11.4.3)

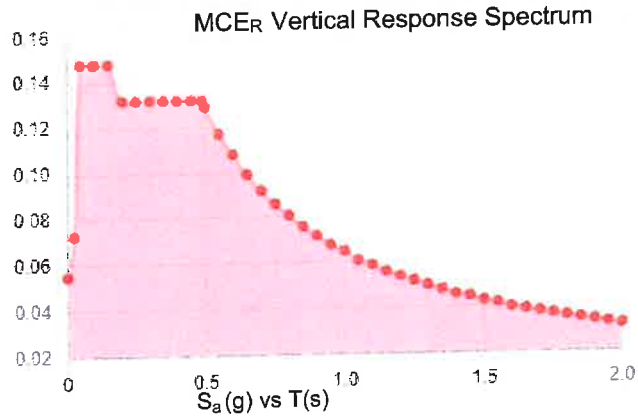
Results:

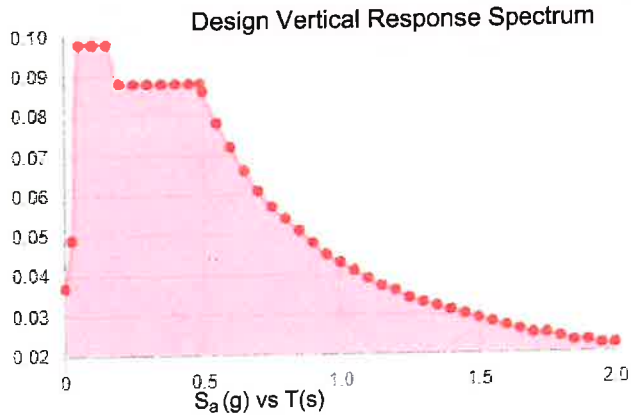
S_S :	0.165	S_{D1} :	0.086
S_1 :	0.054	T_L :	6
F_a :	1.6	PGA :	0.085
F_v :	2.4	PGA_M :	0.137
S_{MS} :	0.263	F_{PGA} :	1.6
S_{M1} :	0.129	I_e :	1.25
S_{DS} :	0.176	C_v :	0.7

Seismic Design Category: B









Data Accessed: Wed Feb 21 2024

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.

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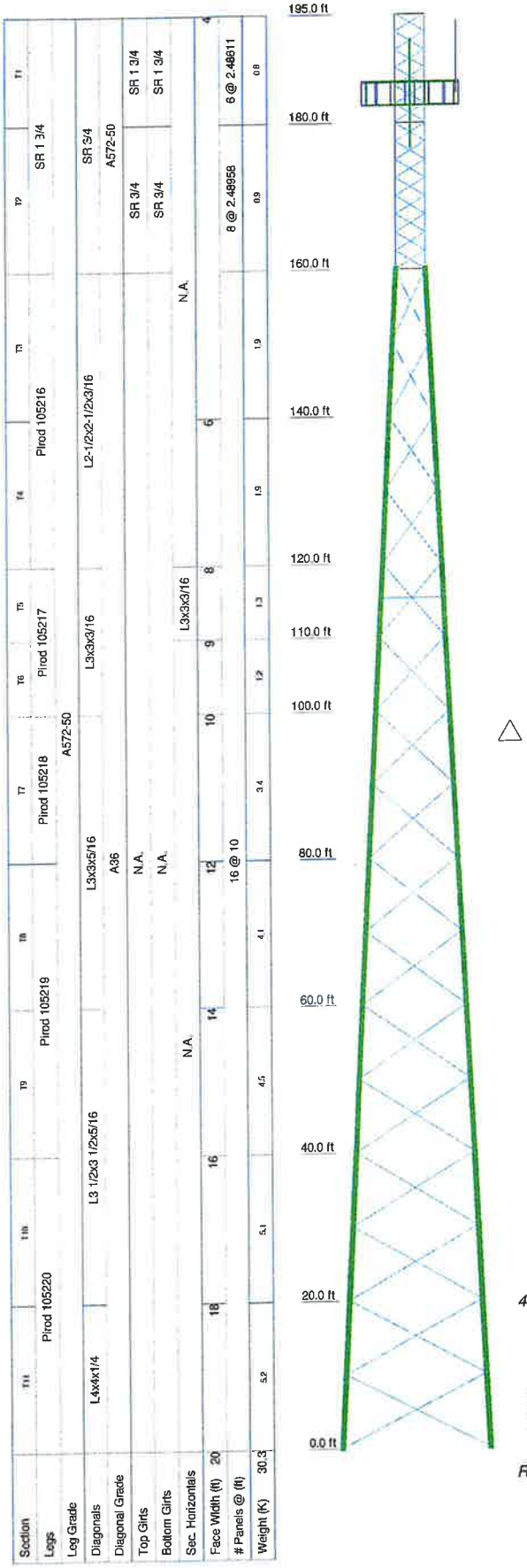
Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	5 F
Gust Speed	40 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Wed Feb 21 2024

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.



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Litchfield County, Connecticut.
2. Tower designed for Exposure C to the TIA-222-H Standard.
3. Tower designed for a 121 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 40 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category III.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. INNER TOWER-FOR FDN ANALYSIS

ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 152 K
SHEAR: 19 K

UPLIFT: -118 K
SHEAR: 15 K

AXIAL 89 K
SHEAR 6 K
MOMENT 543 kip-ft
TORQUE 1 kip-ft
40 mph WIND - 1.0000 in ICE

AXIAL 46 K
SHEAR 30 K
MOMENT 2376 kip-ft
TORQUE 8 kip-ft
REACTIONS - 121 mph WIND

Tower Engineering Professionals
326 Tryon Road
Raleigh, NC 27603
Phone: (919) 661-6351
FAX: (919) 661-6350

Job: North Canaan CT (5000246824)-Inner Tower			
Project: TEP No. 72508.917486			
Client: Verizon Wireless	Drawn by: mlackey		App'd:
Code: TIA-222-H	Date: 02/22/24		Scale: NTS
Path: C:\Desktop Items\TNX Files\72508 Inner Tower\North Canaan CT (SST) Inner Tower.eri			Dwg No. E-1

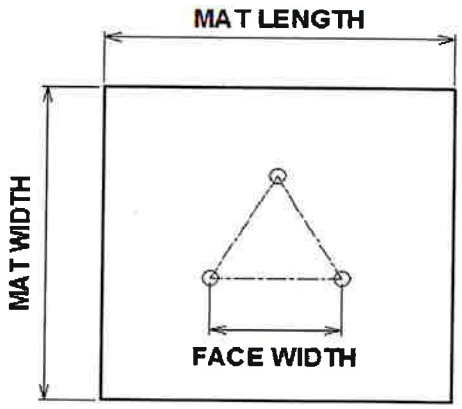
SST on Mat Foundation with Rock Anchors - TIA-222-H

Site Data

Site Name:	North Canaan CT
Site Number:	17226430
TEP Number:	72508.917486

Factored Reactions from TNX		
Axial	77	k
Shear	57	k
Moment	6168	k-ft

*Factored Reactions from TNX assumed LC 1.2D+1.6W



Tower & Foundation Properties		
Tower Face Width	26.0	ft
Mat Thickness	4.5	ft
Mat Width	31.5	ft
Mat Length	31.5	ft
Concrete Weight	150	pcf
Concrete f'c	3000	psi

Soil Properties		
q_{allow}	20.0	ksf
FS	2.0	
Subgrade Mod.	720	kcf
Rock Weight	165	pcf
Rock Cone Angle	35	deg

Rock Anchor Properties		
Type of Bar	WilliamsForm150	
Bar Size	1.375	
Net Area	1.58	in^2
Ultimate Stress, Fu	150.0	ksi
Yield Stress, Fy	127.7	ksi
Bar Diameter	1.38	in
Steel/Grout Bond[1]	235.5	psi
Grout/Rock Allow Bond	75	psi
FS	2	
Drilled Shaft Diam.	3.50	in

[1]Ultimate Values

Spring Stiffness (for RISA) 382.8 k/in

Mat Foundation Results

Max Bearing Stress	8.58	ksf
Bearing Capacity, ϕq_{allow}	30.00	ksf
% Capacity	27.3%	**Pass**

Mat Flexural Results

Mat Flexure (from RISA)	2085	k-ft/ft
Flexural Capacity, ϕMn	17250.0	k-ft/ft
% Capacity	11.5%	**Pass**

Rock Anchor Results

Max Tension Force	136.62	k
Anchor Capacity, ϕPn	177.75	k
% Capacity	73.2%	**Pass**

TOWER ENGINEERING PROFESSIONALS

North Canaan CT (17226430)

TEP #	72508.917486	
Analysis:	ANH	2/23/2024
Check:	CS-SA	2/23/2024

Rock Anchor Check

Input

Rod Fy (ksi):	128	Embedment Depth (ft):	39.00	Drill Hole Size (in):	3.50
Rod Fu (ksi):	150	Effective Bond Length (ft):	22.50	Grout f'c (ksi):	5.00
Rod Dia. (in):	1.375	Steel-Grout Bond Strength (psi):	235.00	Pad Length (ft):	18.19
# of Anchors:	4	Grout-Rock Bond Strength (psi):	150.00	Pad Thickness (ft):	4.50
				Pier Length (ft):	0.00

(1) Steel Tensile Strength:

A_{gross} (sq. in):	1.580
A_{net} (sq. in):	1.580
ϕ_{yield}:	0.9
$\phi_{rupture}$:	0.75
ϕTn (k):	**711.00**

(2) Steel-Grout Bond

As (sq. in):	1166.32		
Fsg (psi):	235.00		
ϕ:	0.75	ϕTn (k):	711.00
ϕRn (k):	**822.25**	***Capacity:**	**82.4%**

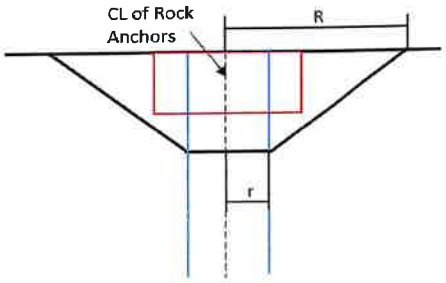
(3) Grout-Rock Bond

Ab (sq. in):	2968.81		
ϕ:	0.75	ϕTn (k):	711.00
ϕRn (k):	**1335.96**	***Capacity:**	**50.7%**

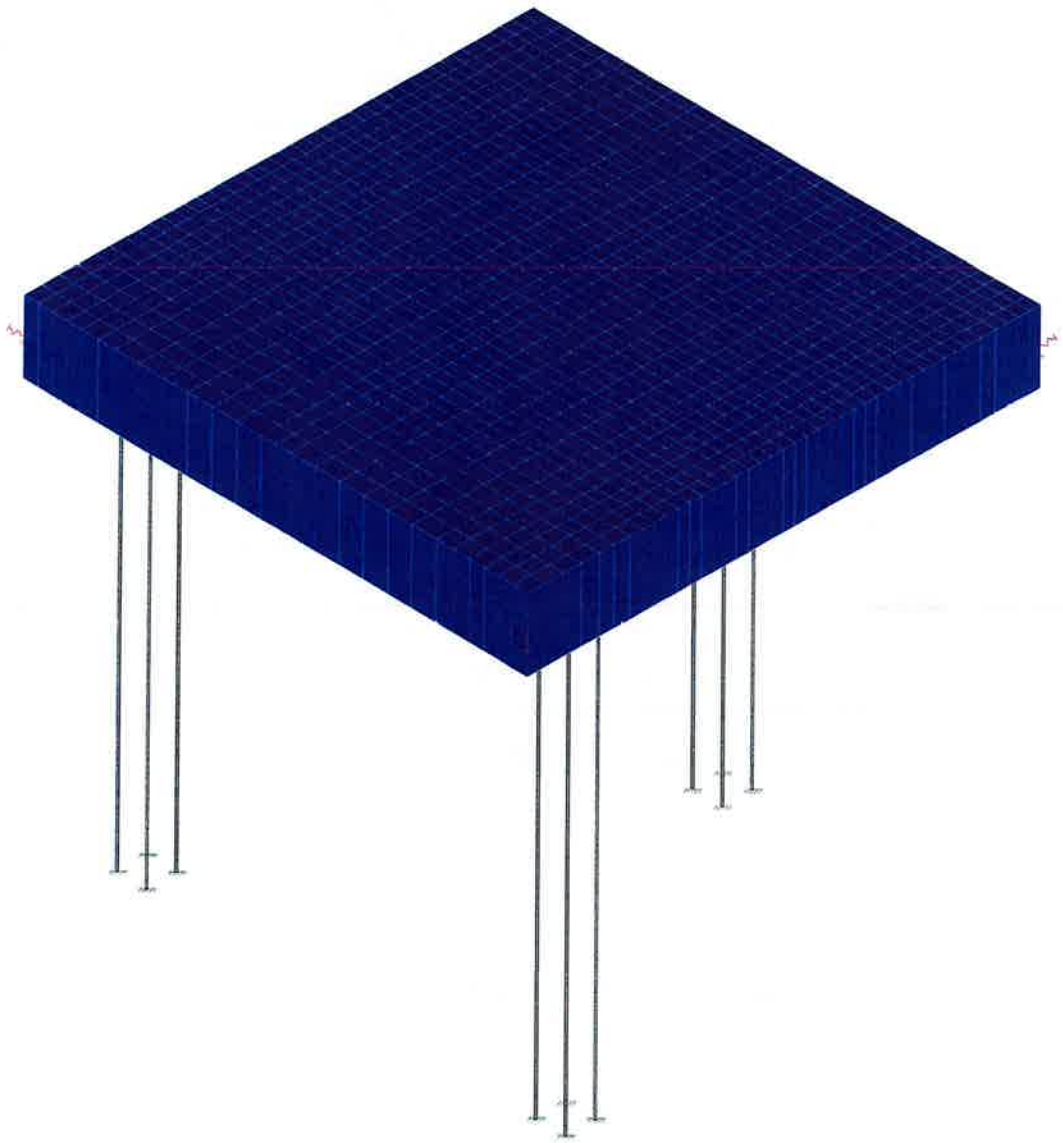
(4) Rock/Soil Frustum

Soil Unit Weight (pcf):	165.0	Breakout ϕ:	35.0
R (ft):	20.346		
r (ft):	0.917		
h (ft):	27.750		
Pad Volume (ft^3):	1488.942		
Frustum Volume (ft^3):	12596.46		
ϕ:	0.75	ϕTn (k):	711.00
ϕRn (k):	**1558.81**	***Capacity:**	**43.4%**

Soil Frustum Diagram:

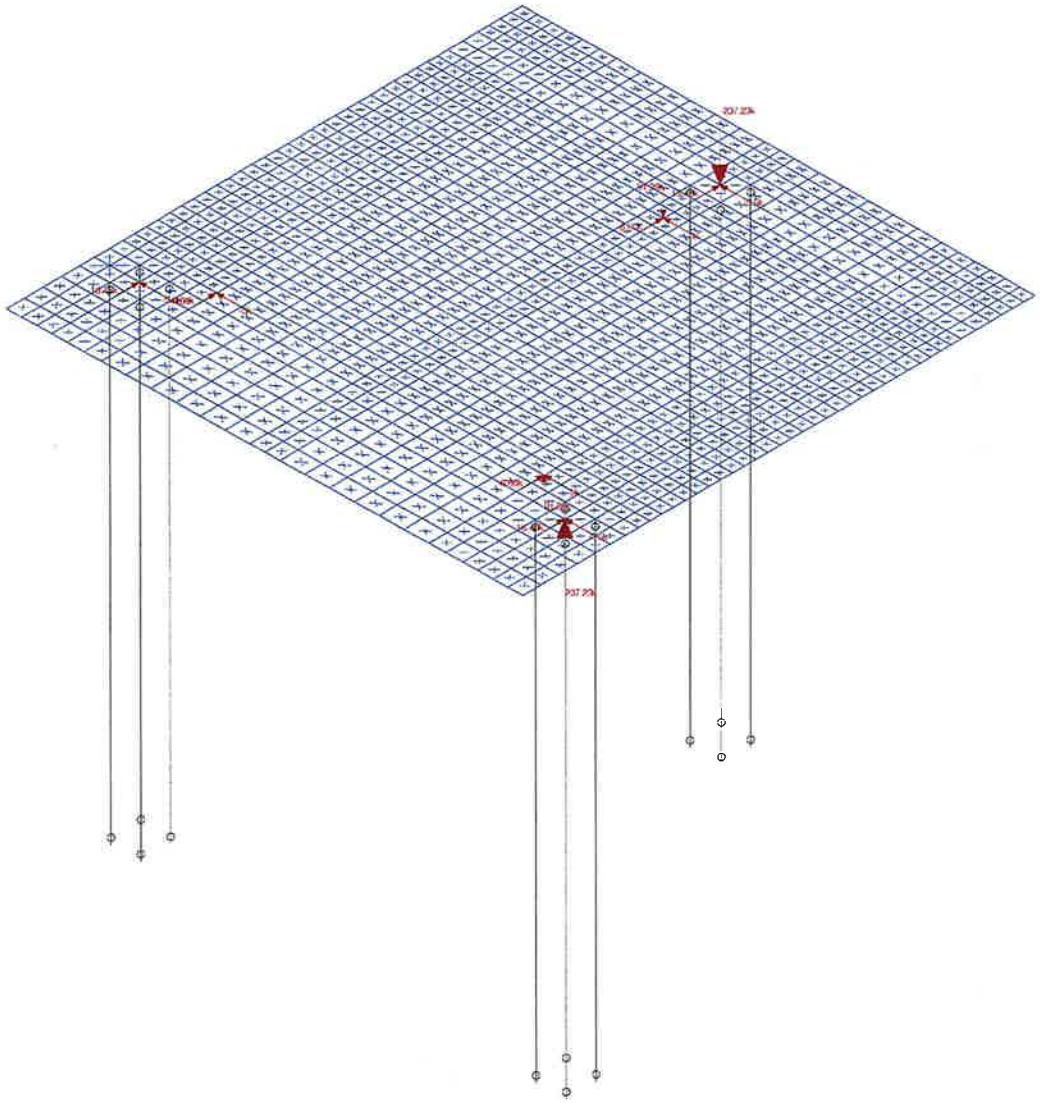


$V = \pi/3*h*(R^2+R*r+r^2)$



Envelope Only Solution

Tower Engineering Profess...	North Canaan CT (17226430)	SK - 1
anhowe		Feb 23, 2024 at 9:28 AM
TEP No. 72508.917486		SST Mat with Rock Anchors.r3d



Loads: BLC 7, Wind 150
Envelope Only Solution

Tower Engineering Profess...	North Canaan CT (17226430)	SK - 2
anhowe		Feb 23, 2024 at 9:29 AM
TEP No. 72508.917486		SST Mat with Rock Anchors.r3d

(Global) Model Settings

Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	Yes
Max Iterations for Wall Stiffness	3
Gravity Acceleration (ft/sec^2)	32.2
Wall Mesh Size (in)	24
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver

Hot Rolled Steel Code	AISC 15th(360-16): LRFD
Adjust Stiffness?	Yes(Iterative)
RISAConnection Code	AISC 15th(360-16): LRFD
Cold Formed Steel Code	None
Wood Code	None
Wood Temperature	< 100F
Concrete Code	ACI 318-14
Masonry Code	TMS 402-16: Strength
Aluminum Code	None - Building
Stainless Steel Code	AISC 14th(360-10): LRFD
Adjust Stiffness?	Yes(Iterative)

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	Yes
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	Yes
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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(Global) Model Settings, Continued

Seismic Code	ASCE 7-16
Seismic Base Elevation (ft)	Not Entered
Add Base Weight?	Yes
Ct X	.02
Ct Z	.02
T X (sec)	Not Entered
T Z (sec)	Not Entered
R X	3
R Z	3
Ct Exp. X	.75
Ct Exp. Z	.75
SD1	1
SDS	1
S1	1
TL (sec)	5
Risk Cat	I or II
Drift Cat	Other
Om Z	1
Om X	1
Cd Z	4
Cd X	4
Rho Z	1
Rho X	1

Material Takeoff

	Material	Size	Pieces	Length[ft]	Weight[K]
1	Hot Rolled Steel				
2	WF150	1.37515OKSIDYWIDAGE	12	360	1.935
3	Total HR Steel		12	360	1.935
4					
5	Plate Elements	Thickness (in)		Volume (yds^3)	
6	gen_Conc3NW	54	1067	165.9	649.391
7	Total Plates		1067	165.9	649.391

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B RECT	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A500 Gr.C RND	29000	11154	.3	.65	.527	46	1.4	62	1.3
7	A500 Gr.C RECT	29000	11154	.3	.65	.527	50	1.4	62	1.3
8	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
9	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
10	A913 Gr.65	29000	11154	.3	.65	.49	65	1.1	80	1.1
11	WF150	29000	11154	.3	.65	.49	127.7	1.1	150	1.1

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Rock Anchor	1.37515OKSIDYWIDAGE	Column	BAR	WF150	Typical	1.58	.199	.199	.397

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotat...	Section/Shape	Type	Design L...	Material	Design ...
1	M1	RC_4	N32			Rock Anchor	Column	BAR	WF150	Typical
2	M2	RC_1	N29			Rock Anchor	Column	BAR	WF150	Typical
3	M3	RC_2	N23			Rock Anchor	Column	BAR	WF150	Typical
4	M4	RC_3	N26			Rock Anchor	Column	BAR	WF150	Typical
5	M5	RA_1	N31			Rock Anchor	Column	BAR	WF150	Typical
6	M6	RA_2	N25			Rock Anchor	Column	BAR	WF150	Typical
7	M7	RA_3	N28			Rock Anchor	Column	BAR	WF150	Typical
8	M8	RA_4	N34			Rock Anchor	Column	BAR	WF150	Typical
9	M9	RB_1	N30			Rock Anchor	Column	BAR	WF150	Typical
10	M10	RB_2	N24			Rock Anchor	Column	BAR	WF150	Typical
11	M11	RB_3	N27			Rock Anchor	Column	BAR	WF150	Typical
12	M12	RB_4	N33			Rock Anchor	Column	BAR	WF150	Typical

Plate Primary Data

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
1	P2	N36	N38	RC_1	RC_4	gen_Conc3NW	54
2	P5	RC_4	N40	OT_3	N42	gen_Conc3NW	54
3	P6	N40	RC_1	N41	OT_3	gen_Conc3NW	54
4	P7	OT_3	N41	RC_2	N39	gen_Conc3NW	54
5	P8	N42	OT_3	N39	RC_3	gen_Conc3NW	54
6	P13	RB_4	N45	OT_2	N49	gen_Conc3NW	54
7	P14	N45	RB_1	N47	OT_2	gen_Conc3NW	54
8	P15	OT_2	N47	RB_2	N43	gen_Conc3NW	54
9	P16	N49	OT_2	N43	RB_3	gen_Conc3NW	54
10	P26	RC_1	N75	N78	N41	gen_Conc3NW	54
11	P27	N41	N78	N73	RC_2	gen_Conc3NW	54
12	P30	RB_1	N76	N79	N47	gen_Conc3NW	54
13	P31	N47	N79	N74	RB_2	gen_Conc3NW	54
14	P50	N96	N106	N108	N98	gen_Conc3NW	54
15	P51	N98	N108	N104	N94	gen_Conc3NW	54
16	P55	N108	N118	N114	N104	gen_Conc3NW	54
17	P56	N106	N116	N118	N108	gen_Conc3NW	54
18	P62	N95	N105	N107	N97	gen_Conc3NW	54
19	P63	N97	N107	N103	N93	gen_Conc3NW	54
20	P66	N107	N117	N113	N103	gen_Conc3NW	54
21	P67	N105	N115	N117	N107	gen_Conc3NW	54
22	P75	RA_4	N46	OT_1	N50	gen_Conc3NW	54
23	P76	N50	OT_1	N44	RA_3	gen_Conc3NW	54
24	P77	N46	RA_1	N48	OT_1	gen_Conc3NW	54
25	P78	OT_1	N48	RA_2	N44	gen_Conc3NW	54
26	P24	N135	N132	N130	N133	gen_Conc3NW	54
27	P89	N132	N129	N127	N130	gen_Conc3NW	54
28	P90	N129	N126	N124	N127	gen_Conc3NW	54
29	P91	N127	N124	N125	N128	gen_Conc3NW	54

RISA
Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
30	P92	N130	N127	N128	N131	gen_Conc3NW	54
31	P93	N133	N130	N131	N134	gen_Conc3NW	54
32	P104	N62	N60	N139	N140	gen_Conc3NW	54
33	P105	N140	N139	N45	RB_4	gen_Conc3NW	54
34	P106	N60	N58	N141	N139	gen_Conc3NW	54
35	P107	N139	N141	RB_1	N45	gen_Conc3NW	54
36	P108	RB_3	N43	N142	N143	gen_Conc3NW	54
37	P109	N143	N142	N144	N54	gen_Conc3NW	54
38	P110	N43	RB_2	N145	N142	gen_Conc3NW	54
39	P111	N142	N145	N53	N144	gen_Conc3NW	54
40	P112	N52	N146	N147	N148	gen_Conc3NW	54
41	P113	N148	N147	N149	N51	gen_Conc3NW	54
42	P114	N146	N150	N151	N147	gen_Conc3NW	54
43	P115	N147	N151	N152	N149	gen_Conc3NW	54
44	P116	N150	N153	N154	N151	gen_Conc3NW	54
45	P117	N151	N154	N155	N152	gen_Conc3NW	54
46	P118	N153	RB_4	N49	N154	gen_Conc3NW	54
47	P119	N154	N49	RB_3	N155	gen_Conc3NW	54
48	P120	N51	N149	N156	N157	gen_Conc3NW	54
49	P121	N157	N156	N158	N3	gen_Conc3NW	54
50	P122	N149	N152	N159	N156	gen_Conc3NW	54
51	P123	N156	N159	N160	N158	gen_Conc3NW	54
52	P124	N152	N155	N161	N159	gen_Conc3NW	54
53	P125	N159	N161	N162	N160	gen_Conc3NW	54
54	P126	N155	RB_3	N143	N161	gen_Conc3NW	54
55	P127	N161	N143	N54	N162	gen_Conc3NW	54
56	P128	N64	N163	N164	N165	gen_Conc3NW	54
57	P129	N165	N164	N146	N52	gen_Conc3NW	54
58	P130	N163	N166	N167	N164	gen_Conc3NW	54
59	P131	N164	N167	N150	N146	gen_Conc3NW	54
60	P132	N166	N168	N169	N167	gen_Conc3NW	54
61	P133	N167	N169	N153	N150	gen_Conc3NW	54
62	P134	N168	N62	N140	N169	gen_Conc3NW	54
63	P135	N169	N140	RB_4	N153	gen_Conc3NW	54
64	P136	N2	N170	N171	N172	gen_Conc3NW	54
65	P137	N172	N171	N173	N35	gen_Conc3NW	54
66	P138	N170	N174	N175	N171	gen_Conc3NW	54
67	P139	N171	N175	N176	N173	gen_Conc3NW	54
68	P140	N174	N177	N178	N175	gen_Conc3NW	54
69	P141	N175	N178	N179	N176	gen_Conc3NW	54
70	P142	N177	N36	N180	N178	gen_Conc3NW	54
71	P143	N178	N180	RC_4	N179	gen_Conc3NW	54
72	P144	N35	N173	N181	N182	gen_Conc3NW	54
73	P145	N182	N181	N183	N37	gen_Conc3NW	54
74	P146	N173	N176	N184	N181	gen_Conc3NW	54
75	P147	N181	N184	N185	N183	gen_Conc3NW	54
76	P148	N176	N179	N186	N184	gen_Conc3NW	54
77	P149	N184	N186	N187	N185	gen_Conc3NW	54
78	P150	N179	RC_4	N42	N186	gen_Conc3NW	54
79	P151	N186	N42	RC_3	N187	gen_Conc3NW	54
80	P152	N37	N183	N188	N189	gen_Conc3NW	54
81	P153	N189	N188	N190	N63	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
82	P154	N183	N185	N191	N188	gen_Conc3NW	54
83	P155	N188	N191	N192	N190	gen_Conc3NW	54
84	P156	N185	N187	N193	N191	gen_Conc3NW	54
85	P157	N191	N193	N194	N192	gen_Conc3NW	54
86	P158	N187	RC_3	N195	N193	gen_Conc3NW	54
87	P159	N193	N195	N61	N194	gen_Conc3NW	54
88	P160	N36	N196	N197	N180	gen_Conc3NW	54
89	P161	N180	N197	N40	RC_4	gen_Conc3NW	54
90	P162	N196	N38	N198	N197	gen_Conc3NW	54
91	P163	N197	N198	RC_1	N40	gen_Conc3NW	54
92	P164	RC_3	N39	N199	N195	gen_Conc3NW	54
93	P165	N195	N199	N59	N61	gen_Conc3NW	54
94	P166	N39	RC_2	N200	N199	gen_Conc3NW	54
95	P167	N199	N200	N57	N59	gen_Conc3NW	54
96	P168	N38	N77	N201	N198	gen_Conc3NW	54
97	P169	N198	N201	N75	RC_1	gen_Conc3NW	54
98	P170	RC_2	N73	N202	N200	gen_Conc3NW	54
99	P171	N200	N202	IT_3	N57	gen_Conc3NW	54
100	P172	N58	IT_2	N203	N141	gen_Conc3NW	54
101	P173	N141	N203	N76	RB_1	gen_Conc3NW	54
102	P174	RB_2	N74	N204	N145	gen_Conc3NW	54
103	P175	N145	N204	N80	N53	gen_Conc3NW	54
104	P176	N77	N205	N206	N201	gen_Conc3NW	54
105	P177	N201	N206	N207	N75	gen_Conc3NW	54
106	P178	N205	N208	N209	N206	gen_Conc3NW	54
107	P179	N206	N209	N210	N207	gen_Conc3NW	54
108	P180	N208	N211	N212	N209	gen_Conc3NW	54
109	P181	N209	N212	N213	N210	gen_Conc3NW	54
110	P182	N211	N214	N215	N212	gen_Conc3NW	54
111	P183	N212	N215	N216	N213	gen_Conc3NW	54
112	P184	N214	N217	N218	N215	gen_Conc3NW	54
113	P185	N215	N218	N219	N216	gen_Conc3NW	54
114	P186	N217	N220	N221	N218	gen_Conc3NW	54
115	P187	N218	N221	N222	N219	gen_Conc3NW	54
116	P188	N220	N223	N224	N221	gen_Conc3NW	54
117	P189	N221	N224	N225	N222	gen_Conc3NW	54
118	P190	N223	N226	N227	N224	gen_Conc3NW	54
119	P191	N224	N227	N228	N225	gen_Conc3NW	54
120	P192	N226	N229	N230	N227	gen_Conc3NW	54
121	P193	N227	N230	N231	N228	gen_Conc3NW	54
122	P194	N229	N232	N233	N230	gen_Conc3NW	54
123	P195	N230	N233	N234	N231	gen_Conc3NW	54
124	P196	N232	N235	N236	N233	gen_Conc3NW	54
125	P197	N233	N236	N237	N234	gen_Conc3NW	54
126	P198	N235	N238	N239	N236	gen_Conc3NW	54
127	P199	N236	N239	N240	N237	gen_Conc3NW	54
128	P200	N238	N241	N242	N239	gen_Conc3NW	54
129	P201	N239	N242	N243	N240	gen_Conc3NW	54
130	P202	N241	N244	N245	N242	gen_Conc3NW	54
131	P203	N242	N245	N246	N243	gen_Conc3NW	54
132	P204	N244	N247	N248	N245	gen_Conc3NW	54
133	P205	N245	N248	N249	N246	gen_Conc3NW	54

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

Feb 23, 2024
9:32 AM
Checked By: CS

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
134	P206	N247	N250	N251	N248	gen_Conc3NW	54
135	P207	N248	N251	N252	N249	gen_Conc3NW	54
136	P208	N250	N253	N254	N251	gen_Conc3NW	54
137	P209	N251	N254	N255	N252	gen_Conc3NW	54
138	P210	N253	N256	N257	N254	gen_Conc3NW	54
139	P211	N254	N257	N258	N255	gen_Conc3NW	54
140	P212	N256	N259	N260	N257	gen_Conc3NW	54
141	P213	N257	N260	N261	N258	gen_Conc3NW	54
142	P214	N259	N262	N263	N260	gen_Conc3NW	54
143	P215	N260	N263	N264	N261	gen_Conc3NW	54
144	P216	N262	N265	N266	N263	gen_Conc3NW	54
145	P217	N263	N266	N267	N264	gen_Conc3NW	54
146	P218	N265	N268	N269	N266	gen_Conc3NW	54
147	P219	N266	N269	N270	N267	gen_Conc3NW	54
148	P220	N268	N271	N272	N269	gen_Conc3NW	54
149	P221	N269	N272	N273	N270	gen_Conc3NW	54
150	P222	N271	N81	N274	N272	gen_Conc3NW	54
151	P223	N272	N274	N85	N273	gen_Conc3NW	54
152	P224	N73	N275	N276	N202	gen_Conc3NW	54
153	P225	N202	N276	N277	IT_3	gen_Conc3NW	54
154	P226	N275	N278	N279	N276	gen_Conc3NW	54
155	P227	N276	N279	N280	N277	gen_Conc3NW	54
156	P228	N278	N281	N282	N279	gen_Conc3NW	54
157	P229	N279	N282	N283	N280	gen_Conc3NW	54
158	P230	N281	N284	N285	N282	gen_Conc3NW	54
159	P231	N282	N285	N286	N283	gen_Conc3NW	54
160	P232	N284	N287	N288	N285	gen_Conc3NW	54
161	P233	N285	N288	N289	N286	gen_Conc3NW	54
162	P234	N287	N290	N291	N288	gen_Conc3NW	54
163	P235	N288	N291	N292	N289	gen_Conc3NW	54
164	P236	N290	N293	N294	N291	gen_Conc3NW	54
165	P237	N291	N294	N295	N292	gen_Conc3NW	54
166	P238	N293	N296	N297	N294	gen_Conc3NW	54
167	P239	N294	N297	N298	N295	gen_Conc3NW	54
168	P240	N296	N299	N300	N297	gen_Conc3NW	54
169	P241	N297	N300	N301	N298	gen_Conc3NW	54
170	P242	N299	N302	N303	N300	gen_Conc3NW	54
171	P243	N300	N303	N304	N301	gen_Conc3NW	54
172	P244	N302	N305	N306	N303	gen_Conc3NW	54
173	P245	N303	N306	N307	N304	gen_Conc3NW	54
174	P246	N305	N308	N309	N306	gen_Conc3NW	54
175	P247	N306	N309	N310	N307	gen_Conc3NW	54
176	P248	N308	N311	N312	N309	gen_Conc3NW	54
177	P249	N309	N312	N313	N310	gen_Conc3NW	54
178	P250	N311	N314	N315	N312	gen_Conc3NW	54
179	P251	N312	N315	N316	N313	gen_Conc3NW	54
180	P252	N314	N317	N318	N315	gen_Conc3NW	54
181	P253	N315	N318	N319	N316	gen_Conc3NW	54
182	P254	N317	N320	N321	N318	gen_Conc3NW	54
183	P255	N318	N321	N322	N319	gen_Conc3NW	54
184	P256	N320	N323	N324	N321	gen_Conc3NW	54
185	P257	N321	N324	N325	N322	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
186	P258	N323	N326	N327	N324	gen_Conc3NW	54
187	P259	N324	N327	N328	N325	gen_Conc3NW	54
188	P260	N326	N329	N330	N327	gen_Conc3NW	54
189	P261	N327	N330	N331	N328	gen_Conc3NW	54
190	P262	N329	N332	N333	N330	gen_Conc3NW	54
191	P263	N330	N333	N334	N331	gen_Conc3NW	54
192	P264	N332	N335	N336	N333	gen_Conc3NW	54
193	P265	N333	N336	N337	N334	gen_Conc3NW	54
194	P266	N335	N338	N339	N336	gen_Conc3NW	54
195	P267	N336	N339	N340	N337	gen_Conc3NW	54
196	P268	N338	N341	N342	N339	gen_Conc3NW	54
197	P269	N339	N342	N343	N340	gen_Conc3NW	54
198	P270	N341	N83	N344	N342	gen_Conc3NW	54
199	P271	N342	N344	N55	N343	gen_Conc3NW	54
200	P272	IT_2	N345	N346	N203	gen_Conc3NW	54
201	P273	N203	N346	N347	N76	gen_Conc3NW	54
202	P274	N345	N348	N349	N346	gen_Conc3NW	54
203	P275	N346	N349	N350	N347	gen_Conc3NW	54
204	P276	N348	N351	N352	N349	gen_Conc3NW	54
205	P277	N349	N352	N353	N350	gen_Conc3NW	54
206	P278	N351	N354	N355	N352	gen_Conc3NW	54
207	P279	N352	N355	N356	N353	gen_Conc3NW	54
208	P280	N354	N357	N358	N355	gen_Conc3NW	54
209	P281	N355	N358	N359	N356	gen_Conc3NW	54
210	P282	N357	N360	N361	N358	gen_Conc3NW	54
211	P283	N358	N361	N362	N359	gen_Conc3NW	54
212	P284	N360	N363	N364	N361	gen_Conc3NW	54
213	P285	N361	N364	N365	N362	gen_Conc3NW	54
214	P286	N363	N366	N367	N364	gen_Conc3NW	54
215	P287	N364	N367	N368	N365	gen_Conc3NW	54
216	P288	N366	N369	N370	N367	gen_Conc3NW	54
217	P289	N367	N370	N371	N368	gen_Conc3NW	54
218	P290	N369	N372	N373	N370	gen_Conc3NW	54
219	P291	N370	N373	N374	N371	gen_Conc3NW	54
220	P292	N372	N375	N376	N373	gen_Conc3NW	54
221	P293	N373	N376	N377	N374	gen_Conc3NW	54
222	P294	N375	N378	N379	N376	gen_Conc3NW	54
223	P295	N376	N379	N380	N377	gen_Conc3NW	54
224	P296	N378	N381	N382	N379	gen_Conc3NW	54
225	P297	N379	N382	N383	N380	gen_Conc3NW	54
226	P298	N381	N384	N385	N382	gen_Conc3NW	54
227	P299	N382	N385	N386	N383	gen_Conc3NW	54
228	P300	N384	N387	N388	N385	gen_Conc3NW	54
229	P301	N385	N388	N389	N386	gen_Conc3NW	54
230	P302	N387	N390	N391	N388	gen_Conc3NW	54
231	P303	N388	N391	N392	N389	gen_Conc3NW	54
232	P304	N390	N393	N394	N391	gen_Conc3NW	54
233	P305	N391	N394	N395	N392	gen_Conc3NW	54
234	P306	N393	N396	N397	N394	gen_Conc3NW	54
235	P307	N394	N397	N398	N395	gen_Conc3NW	54
236	P308	N396	N399	N400	N397	gen_Conc3NW	54
237	P309	N397	N400	N401	N398	gen_Conc3NW	54

RISA
Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)
Feb 23, 2024
9:32 AM
Checked By: CS

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
238	P310	N399	N402	N403	N400	gen_Conc3NW	54
239	P311	N400	N403	N404	N401	gen_Conc3NW	54
240	P312	N402	N405	N406	N403	gen_Conc3NW	54
241	P313	N403	N406	N407	N404	gen_Conc3NW	54
242	P314	N405	N408	N409	N406	gen_Conc3NW	54
243	P315	N406	N409	N410	N407	gen_Conc3NW	54
244	P316	N408	N411	N412	N409	gen_Conc3NW	54
245	P317	N409	N412	N413	N410	gen_Conc3NW	54
246	P318	N411	N56	N414	N412	gen_Conc3NW	54
247	P319	N412	N414	N86	N413	gen_Conc3NW	54
248	P320	N74	N415	N416	N204	gen_Conc3NW	54
249	P321	N204	N416	N417	N80	gen_Conc3NW	54
250	P322	N415	N418	N419	N416	gen_Conc3NW	54
251	P323	N416	N419	N420	N417	gen_Conc3NW	54
252	P324	N418	N421	N422	N419	gen_Conc3NW	54
253	P325	N419	N422	N423	N420	gen_Conc3NW	54
254	P326	N421	N424	N425	N422	gen_Conc3NW	54
255	P327	N422	N425	N426	N423	gen_Conc3NW	54
256	P328	N424	N427	N428	N425	gen_Conc3NW	54
257	P329	N425	N428	N429	N426	gen_Conc3NW	54
258	P330	N427	N430	N431	N428	gen_Conc3NW	54
259	P331	N428	N431	N432	N429	gen_Conc3NW	54
260	P332	N430	N433	N434	N431	gen_Conc3NW	54
261	P333	N431	N434	N435	N432	gen_Conc3NW	54
262	P334	N433	N436	N437	N434	gen_Conc3NW	54
263	P335	N434	N437	N438	N435	gen_Conc3NW	54
264	P336	N436	N439	N440	N437	gen_Conc3NW	54
265	P337	N437	N440	N441	N438	gen_Conc3NW	54
266	P338	N439	N442	N443	N440	gen_Conc3NW	54
267	P339	N440	N443	N444	N441	gen_Conc3NW	54
268	P340	N442	N445	N446	N443	gen_Conc3NW	54
269	P341	N443	N446	N447	N444	gen_Conc3NW	54
270	P342	N445	N448	N449	N446	gen_Conc3NW	54
271	P343	N446	N449	N450	N447	gen_Conc3NW	54
272	P344	N448	N451	N452	N449	gen_Conc3NW	54
273	P345	N449	N452	N453	N450	gen_Conc3NW	54
274	P346	N451	N454	N455	N452	gen_Conc3NW	54
275	P347	N452	N455	N456	N453	gen_Conc3NW	54
276	P348	N454	N457	N458	N455	gen_Conc3NW	54
277	P349	N455	N458	N459	N456	gen_Conc3NW	54
278	P350	N457	N460	N461	N458	gen_Conc3NW	54
279	P351	N458	N461	N462	N459	gen_Conc3NW	54
280	P352	N460	N463	N464	N461	gen_Conc3NW	54
281	P353	N461	N464	N465	N462	gen_Conc3NW	54
282	P354	N463	N466	N467	N464	gen_Conc3NW	54
283	P355	N464	N467	N468	N465	gen_Conc3NW	54
284	P356	N466	N469	N470	N467	gen_Conc3NW	54
285	P357	N467	N470	N471	N468	gen_Conc3NW	54
286	P358	N469	N472	N473	N470	gen_Conc3NW	54
287	P359	N470	N473	N474	N471	gen_Conc3NW	54
288	P360	N472	N475	N476	N473	gen_Conc3NW	54
289	P361	N473	N476	N477	N474	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
290	P362	N475	N478	N479	N476	gen_Conc3NW	54
291	P363	N476	N479	N480	N477	gen_Conc3NW	54
292	P364	N478	N481	N482	N479	gen_Conc3NW	54
293	P365	N479	N482	N483	N480	gen_Conc3NW	54
294	P366	N481	N84	N484	N482	gen_Conc3NW	54
295	P367	N482	N484	N82	N483	gen_Conc3NW	54
296	P368	N76	N347	N485	N79	gen_Conc3NW	54
297	P369	N347	N350	N486	N485	gen_Conc3NW	54
298	P370	N350	N353	N487	N486	gen_Conc3NW	54
299	P371	N353	N356	N488	N487	gen_Conc3NW	54
300	P372	N356	N359	N489	N488	gen_Conc3NW	54
301	P373	N359	N362	N490	N489	gen_Conc3NW	54
302	P374	N362	N365	N491	N490	gen_Conc3NW	54
303	P375	N365	N368	N492	N491	gen_Conc3NW	54
304	P376	N368	N371	N493	N492	gen_Conc3NW	54
305	P377	N371	N374	N494	N493	gen_Conc3NW	54
306	P378	N374	N377	N495	N494	gen_Conc3NW	54
307	P379	N377	N380	N496	N495	gen_Conc3NW	54
308	P380	N380	N383	N497	N496	gen_Conc3NW	54
309	P381	N383	N386	N498	N497	gen_Conc3NW	54
310	P382	N386	N389	N499	N498	gen_Conc3NW	54
311	P383	N389	N392	N500	N499	gen_Conc3NW	54
312	P384	N392	N395	N501	N500	gen_Conc3NW	54
313	P385	N395	N398	N502	N501	gen_Conc3NW	54
314	P386	N398	N401	N503	N502	gen_Conc3NW	54
315	P387	N401	N404	N504	N503	gen_Conc3NW	54
316	P388	N404	N407	N505	N504	gen_Conc3NW	54
317	P389	N407	N410	N506	N505	gen_Conc3NW	54
318	P390	N410	N413	N507	N506	gen_Conc3NW	54
319	P391	N413	N86	N88	N507	gen_Conc3NW	54
320	P392	N79	N485	N415	N74	gen_Conc3NW	54
321	P393	N485	N486	N418	N415	gen_Conc3NW	54
322	P394	N486	N487	N421	N418	gen_Conc3NW	54
323	P395	N487	N488	N424	N421	gen_Conc3NW	54
324	P396	N488	N489	N427	N424	gen_Conc3NW	54
325	P397	N489	N490	N430	N427	gen_Conc3NW	54
326	P398	N490	N491	N433	N430	gen_Conc3NW	54
327	P399	N491	N492	N436	N433	gen_Conc3NW	54
328	P400	N492	N493	N439	N436	gen_Conc3NW	54
329	P401	N493	N494	N442	N439	gen_Conc3NW	54
330	P402	N494	N495	N445	N442	gen_Conc3NW	54
331	P403	N495	N496	N448	N445	gen_Conc3NW	54
332	P404	N496	N497	N451	N448	gen_Conc3NW	54
333	P405	N497	N498	N454	N451	gen_Conc3NW	54
334	P406	N498	N499	N457	N454	gen_Conc3NW	54
335	P407	N499	N500	N460	N457	gen_Conc3NW	54
336	P408	N500	N501	N463	N460	gen_Conc3NW	54
337	P409	N501	N502	N466	N463	gen_Conc3NW	54
338	P410	N502	N503	N469	N466	gen_Conc3NW	54
339	P411	N503	N504	N472	N469	gen_Conc3NW	54
340	P412	N504	N505	N475	N472	gen_Conc3NW	54
341	P413	N505	N506	N478	N475	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
342	P414	N506	N507	N481	N478	gen_Conc3NW	54
343	P415	N507	N88	N84	N481	gen_Conc3NW	54
344	P416	N75	N207	N508	N78	gen_Conc3NW	54
345	P417	N207	N210	N509	N508	gen_Conc3NW	54
346	P418	N210	N213	N510	N509	gen_Conc3NW	54
347	P419	N213	N216	N511	N510	gen_Conc3NW	54
348	P420	N216	N219	N512	N511	gen_Conc3NW	54
349	P421	N219	N222	N513	N512	gen_Conc3NW	54
350	P422	N222	N225	N514	N513	gen_Conc3NW	54
351	P423	N225	N228	N515	N514	gen_Conc3NW	54
352	P424	N228	N231	N516	N515	gen_Conc3NW	54
353	P425	N231	N234	N517	N516	gen_Conc3NW	54
354	P426	N234	N237	N518	N517	gen_Conc3NW	54
355	P427	N237	N240	N519	N518	gen_Conc3NW	54
356	P428	N240	N243	N520	N519	gen_Conc3NW	54
357	P429	N243	N246	N521	N520	gen_Conc3NW	54
358	P430	N246	N249	N522	N521	gen_Conc3NW	54
359	P431	N249	N252	N523	N522	gen_Conc3NW	54
360	P432	N252	N255	N524	N523	gen_Conc3NW	54
361	P433	N255	N258	N525	N524	gen_Conc3NW	54
362	P434	N258	N261	N526	N525	gen_Conc3NW	54
363	P435	N261	N264	N527	N526	gen_Conc3NW	54
364	P436	N264	N267	N528	N527	gen_Conc3NW	54
365	P437	N267	N270	N529	N528	gen_Conc3NW	54
366	P438	N270	N273	N530	N529	gen_Conc3NW	54
367	P439	N273	N85	N87	N530	gen_Conc3NW	54
368	P440	N78	N508	N275	N73	gen_Conc3NW	54
369	P441	N508	N509	N278	N275	gen_Conc3NW	54
370	P442	N509	N510	N281	N278	gen_Conc3NW	54
371	P443	N510	N511	N284	N281	gen_Conc3NW	54
372	P444	N511	N512	N287	N284	gen_Conc3NW	54
373	P445	N512	N513	N290	N287	gen_Conc3NW	54
374	P446	N513	N514	N293	N290	gen_Conc3NW	54
375	P447	N514	N515	N296	N293	gen_Conc3NW	54
376	P448	N515	N516	N299	N296	gen_Conc3NW	54
377	P449	N516	N517	N302	N299	gen_Conc3NW	54
378	P450	N517	N518	N305	N302	gen_Conc3NW	54
379	P451	N518	N519	N308	N305	gen_Conc3NW	54
380	P452	N519	N520	N311	N308	gen_Conc3NW	54
381	P453	N520	N521	N314	N311	gen_Conc3NW	54
382	P454	N521	N522	N317	N314	gen_Conc3NW	54
383	P455	N522	N523	N320	N317	gen_Conc3NW	54
384	P456	N523	N524	N323	N320	gen_Conc3NW	54
385	P457	N524	N525	N326	N323	gen_Conc3NW	54
386	P458	N525	N526	N329	N326	gen_Conc3NW	54
387	P459	N526	N527	N332	N329	gen_Conc3NW	54
388	P460	N527	N528	N335	N332	gen_Conc3NW	54
389	P461	N528	N529	N338	N335	gen_Conc3NW	54
390	P462	N529	N530	N341	N338	gen_Conc3NW	54
391	P463	N530	N87	N83	N341	gen_Conc3NW	54
392	P464	N83	N190	N531	N532	gen_Conc3NW	54
393	P465	N532	N531	N533	N534	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
394	P466	N534	N533	N535	N536	gen_Conc3NW	54
395	P467	N536	N535	N537	N538	gen_Conc3NW	54
396	P468	N538	N537	N539	N540	gen_Conc3NW	54
397	P469	N540	N539	N541	N138	gen_Conc3NW	54
398	P470	N190	N192	N542	N531	gen_Conc3NW	54
399	P471	N531	N542	N543	N533	gen_Conc3NW	54
400	P472	N533	N543	N544	N535	gen_Conc3NW	54
401	P473	N535	N544	N545	N537	gen_Conc3NW	54
402	P474	N537	N545	N546	N539	gen_Conc3NW	54
403	P475	N539	N546	N547	N541	gen_Conc3NW	54
404	P476	N192	N194	N548	N542	gen_Conc3NW	54
405	P477	N542	N548	N549	N543	gen_Conc3NW	54
406	P478	N543	N549	N550	N544	gen_Conc3NW	54
407	P479	N544	N550	N551	N545	gen_Conc3NW	54
408	P480	N545	N551	N552	N546	gen_Conc3NW	54
409	P481	N546	N552	N553	N547	gen_Conc3NW	54
410	P482	N194	N61	N554	N548	gen_Conc3NW	54
411	P483	N548	N554	N555	N549	gen_Conc3NW	54
412	P484	N549	N555	N556	N550	gen_Conc3NW	54
413	P485	N550	N556	N557	N551	gen_Conc3NW	54
414	P486	N551	N557	N558	N552	gen_Conc3NW	54
415	P487	N552	N558	N135	N553	gen_Conc3NW	54
416	P488	N137	N559	N560	N561	gen_Conc3NW	54
417	P489	N561	N560	N562	N563	gen_Conc3NW	54
418	P490	N563	N562	N564	N565	gen_Conc3NW	54
419	P491	N565	N564	N566	N567	gen_Conc3NW	54
420	P492	N567	N566	N568	N569	gen_Conc3NW	54
421	P493	N569	N568	N163	N64	gen_Conc3NW	54
422	P494	N559	N570	N571	N560	gen_Conc3NW	54
423	P495	N560	N571	N572	N562	gen_Conc3NW	54
424	P496	N562	N572	N573	N564	gen_Conc3NW	54
425	P497	N564	N573	N574	N566	gen_Conc3NW	54
426	P498	N566	N574	N575	N568	gen_Conc3NW	54
427	P499	N568	N575	N166	N163	gen_Conc3NW	54
428	P500	N570	N576	N577	N571	gen_Conc3NW	54
429	P501	N571	N577	N578	N572	gen_Conc3NW	54
430	P502	N572	N578	N579	N573	gen_Conc3NW	54
431	P503	N573	N579	N580	N574	gen_Conc3NW	54
432	P504	N574	N580	N581	N575	gen_Conc3NW	54
433	P505	N575	N581	N168	N166	gen_Conc3NW	54
434	P506	N576	N134	N582	N577	gen_Conc3NW	54
435	P507	N577	N582	N583	N578	gen_Conc3NW	54
436	P508	N578	N583	N584	N579	gen_Conc3NW	54
437	P509	N579	N584	N585	N580	gen_Conc3NW	54
438	P510	N580	N585	N586	N581	gen_Conc3NW	54
439	P511	N581	N586	N62	N168	gen_Conc3NW	54
440	P512	N138	N541	N587	N136	gen_Conc3NW	54
441	P513	N541	N547	N588	N587	gen_Conc3NW	54
442	P514	N547	N553	N589	N588	gen_Conc3NW	54
443	P515	N553	N135	N133	N589	gen_Conc3NW	54
444	P516	N136	N587	N559	N137	gen_Conc3NW	54
445	P517	N587	N588	N570	N559	gen_Conc3NW	54

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
446	P518	N588	N589	N576	N570	gen_Conc3NW	54
447	P519	N589	N133	N134	N576	gen_Conc3NW	54
448	P520	N61	N59	N590	N554	gen_Conc3NW	54
449	P521	N554	N590	N591	N555	gen_Conc3NW	54
450	P522	N555	N591	N592	N556	gen_Conc3NW	54
451	P523	N556	N592	N593	N557	gen_Conc3NW	54
452	P524	N557	N593	N594	N558	gen_Conc3NW	54
453	P525	N558	N594	N132	N135	gen_Conc3NW	54
454	P526	N59	N57	N595	N590	gen_Conc3NW	54
455	P527	N590	N595	N596	N591	gen_Conc3NW	54
456	P528	N591	N596	N597	N592	gen_Conc3NW	54
457	P529	N592	N597	N598	N593	gen_Conc3NW	54
458	P530	N593	N598	N599	N594	gen_Conc3NW	54
459	P531	N594	N599	N129	N132	gen_Conc3NW	54
460	P532	N57	IT_3	N600	N595	gen_Conc3NW	54
461	P533	N595	N600	N601	N596	gen_Conc3NW	54
462	P534	N596	N601	N602	N597	gen_Conc3NW	54
463	P535	N597	N602	N603	N598	gen_Conc3NW	54
464	P536	N598	N603	N604	N599	gen_Conc3NW	54
465	P537	N599	N604	N126	N129	gen_Conc3NW	54
466	P538	N134	N131	N605	N582	gen_Conc3NW	54
467	P539	N582	N605	N606	N583	gen_Conc3NW	54
468	P540	N583	N606	N607	N584	gen_Conc3NW	54
469	P541	N584	N607	N608	N585	gen_Conc3NW	54
470	P542	N585	N608	N609	N586	gen_Conc3NW	54
471	P543	N586	N609	N60	N62	gen_Conc3NW	54
472	P544	N131	N128	N610	N605	gen_Conc3NW	54
473	P545	N605	N610	N611	N606	gen_Conc3NW	54
474	P546	N606	N611	N612	N607	gen_Conc3NW	54
475	P547	N607	N612	N613	N608	gen_Conc3NW	54
476	P548	N608	N613	N614	N609	gen_Conc3NW	54
477	P549	N609	N614	N58	N60	gen_Conc3NW	54
478	P550	N128	N125	N615	N610	gen_Conc3NW	54
479	P551	N610	N615	N616	N611	gen_Conc3NW	54
480	P552	N611	N616	N617	N612	gen_Conc3NW	54
481	P553	N612	N617	N618	N613	gen_Conc3NW	54
482	P554	N613	N618	N619	N614	gen_Conc3NW	54
483	P555	N614	N619	IT_2	N58	gen_Conc3NW	54
484	P556	IT_3	N277	N620	N600	gen_Conc3NW	54
485	P557	N600	N620	N621	N601	gen_Conc3NW	54
486	P558	N601	N621	N622	N602	gen_Conc3NW	54
487	P559	N602	N622	N623	N603	gen_Conc3NW	54
488	P560	N603	N623	N624	N604	gen_Conc3NW	54
489	P561	N604	N624	N625	N126	gen_Conc3NW	54
490	P562	N277	N280	N626	N620	gen_Conc3NW	54
491	P563	N620	N626	N627	N621	gen_Conc3NW	54
492	P564	N621	N627	N628	N622	gen_Conc3NW	54
493	P565	N622	N628	N629	N623	gen_Conc3NW	54
494	P566	N623	N629	N630	N624	gen_Conc3NW	54
495	P567	N624	N630	N631	N625	gen_Conc3NW	54
496	P568	N280	N283	N632	N626	gen_Conc3NW	54
497	P569	N626	N632	N633	N627	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
498	P570	N627	N633	N634	N628	gen_Conc3NW	54
499	P571	N628	N634	N635	N629	gen_Conc3NW	54
500	P572	N629	N635	N636	N630	gen_Conc3NW	54
501	P573	N630	N636	N637	N631	gen_Conc3NW	54
502	P574	N283	N286	N638	N632	gen_Conc3NW	54
503	P575	N632	N638	N639	N633	gen_Conc3NW	54
504	P576	N633	N639	N640	N634	gen_Conc3NW	54
505	P577	N634	N640	N641	N635	gen_Conc3NW	54
506	P578	N635	N641	N642	N636	gen_Conc3NW	54
507	P579	N636	N642	N643	N637	gen_Conc3NW	54
508	P580	N286	N289	N644	N638	gen_Conc3NW	54
509	P581	N638	N644	N645	N639	gen_Conc3NW	54
510	P582	N639	N645	N646	N640	gen_Conc3NW	54
511	P583	N640	N646	N647	N641	gen_Conc3NW	54
512	P584	N641	N647	N648	N642	gen_Conc3NW	54
513	P585	N642	N648	N649	N643	gen_Conc3NW	54
514	P586	N289	N292	N650	N644	gen_Conc3NW	54
515	P587	N644	N650	N651	N645	gen_Conc3NW	54
516	P588	N645	N651	N652	N646	gen_Conc3NW	54
517	P589	N646	N652	N653	N647	gen_Conc3NW	54
518	P590	N647	N653	N654	N648	gen_Conc3NW	54
519	P591	N648	N654	N655	N649	gen_Conc3NW	54
520	P592	N292	N295	N656	N650	gen_Conc3NW	54
521	P593	N650	N656	N657	N651	gen_Conc3NW	54
522	P594	N651	N657	N658	N652	gen_Conc3NW	54
523	P595	N652	N658	N659	N653	gen_Conc3NW	54
524	P596	N653	N659	N660	N654	gen_Conc3NW	54
525	P597	N654	N660	N661	N655	gen_Conc3NW	54
526	P598	N295	N298	N662	N656	gen_Conc3NW	54
527	P599	N656	N662	N663	N657	gen_Conc3NW	54
528	P600	N657	N663	N664	N658	gen_Conc3NW	54
529	P601	N658	N664	N665	N659	gen_Conc3NW	54
530	P602	N659	N665	N666	N660	gen_Conc3NW	54
531	P603	N660	N666	N667	N661	gen_Conc3NW	54
532	P604	N298	N301	N668	N662	gen_Conc3NW	54
533	P605	N662	N668	N669	N663	gen_Conc3NW	54
534	P606	N663	N669	N670	N664	gen_Conc3NW	54
535	P607	N664	N670	N671	N665	gen_Conc3NW	54
536	P608	N665	N671	N672	N666	gen_Conc3NW	54
537	P609	N666	N672	N673	N667	gen_Conc3NW	54
538	P610	N301	N304	N674	N668	gen_Conc3NW	54
539	P611	N668	N674	N675	N669	gen_Conc3NW	54
540	P612	N669	N675	N676	N670	gen_Conc3NW	54
541	P613	N670	N676	N677	N671	gen_Conc3NW	54
542	P614	N671	N677	N678	N672	gen_Conc3NW	54
543	P615	N672	N678	N679	N673	gen_Conc3NW	54
544	P616	N304	N307	N680	N674	gen_Conc3NW	54
545	P617	N674	N680	N681	N675	gen_Conc3NW	54
546	P618	N675	N681	N682	N676	gen_Conc3NW	54
547	P619	N676	N682	N683	N677	gen_Conc3NW	54
548	P620	N677	N683	N684	N678	gen_Conc3NW	54
549	P621	N678	N684	N685	N679	gen_Conc3NW	54

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
550	P622	N307	N310	N686	N680	gen_Conc3NW	54
551	P623	N680	N686	N687	N681	gen_Conc3NW	54
552	P624	N681	N687	N688	N682	gen_Conc3NW	54
553	P625	N682	N688	N689	N683	gen_Conc3NW	54
554	P626	N683	N689	N690	N684	gen_Conc3NW	54
555	P627	N684	N690	N691	N685	gen_Conc3NW	54
556	P628	N310	N313	N692	N686	gen_Conc3NW	54
557	P629	N686	N692	N693	N687	gen_Conc3NW	54
558	P630	N687	N693	N694	N688	gen_Conc3NW	54
559	P631	N688	N694	N695	N689	gen_Conc3NW	54
560	P632	N689	N695	N696	N690	gen_Conc3NW	54
561	P633	N690	N696	N697	N691	gen_Conc3NW	54
562	P634	N313	N316	N698	N692	gen_Conc3NW	54
563	P635	N692	N698	N699	N693	gen_Conc3NW	54
564	P636	N693	N699	N700	N694	gen_Conc3NW	54
565	P637	N694	N700	N701	N695	gen_Conc3NW	54
566	P638	N695	N701	N702	N696	gen_Conc3NW	54
567	P639	N696	N702	N703	N697	gen_Conc3NW	54
568	P640	N316	N319	N704	N698	gen_Conc3NW	54
569	P641	N698	N704	N705	N699	gen_Conc3NW	54
570	P642	N699	N705	N706	N700	gen_Conc3NW	54
571	P643	N700	N706	N707	N701	gen_Conc3NW	54
572	P644	N701	N707	N708	N702	gen_Conc3NW	54
573	P645	N702	N708	N709	N703	gen_Conc3NW	54
574	P646	N319	N322	N710	N704	gen_Conc3NW	54
575	P647	N704	N710	N711	N705	gen_Conc3NW	54
576	P648	N705	N711	N712	N706	gen_Conc3NW	54
577	P649	N706	N712	N713	N707	gen_Conc3NW	54
578	P650	N707	N713	N714	N708	gen_Conc3NW	54
579	P651	N708	N714	N715	N709	gen_Conc3NW	54
580	P652	N322	N325	N716	N710	gen_Conc3NW	54
581	P653	N710	N716	N717	N711	gen_Conc3NW	54
582	P654	N711	N717	N718	N712	gen_Conc3NW	54
583	P655	N712	N718	N719	N713	gen_Conc3NW	54
584	P656	N713	N719	N720	N714	gen_Conc3NW	54
585	P657	N714	N720	N721	N715	gen_Conc3NW	54
586	P658	N325	N328	N722	N716	gen_Conc3NW	54
587	P659	N716	N722	N723	N717	gen_Conc3NW	54
588	P660	N717	N723	N724	N718	gen_Conc3NW	54
589	P661	N718	N724	N725	N719	gen_Conc3NW	54
590	P662	N719	N725	N726	N720	gen_Conc3NW	54
591	P663	N720	N726	N727	N721	gen_Conc3NW	54
592	P664	N328	N331	N728	N722	gen_Conc3NW	54
593	P665	N722	N728	N729	N723	gen_Conc3NW	54
594	P666	N723	N729	N730	N724	gen_Conc3NW	54
595	P667	N724	N730	N731	N725	gen_Conc3NW	54
596	P668	N725	N731	N732	N726	gen_Conc3NW	54
597	P669	N726	N732	N733	N727	gen_Conc3NW	54
598	P670	N331	N334	N734	N728	gen_Conc3NW	54
599	P671	N728	N734	N735	N729	gen_Conc3NW	54
600	P672	N729	N735	N736	N730	gen_Conc3NW	54
601	P673	N730	N736	N737	N731	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
602	P674	N731	N737	N738	N732	gen_Conc3NW	54
603	P675	N732	N738	N739	N733	gen_Conc3NW	54
604	P676	N334	N337	N740	N734	gen_Conc3NW	54
605	P677	N734	N740	N741	N735	gen_Conc3NW	54
606	P678	N735	N741	N742	N736	gen_Conc3NW	54
607	P679	N736	N742	N743	N737	gen_Conc3NW	54
608	P680	N737	N743	N744	N738	gen_Conc3NW	54
609	P681	N738	N744	N745	N739	gen_Conc3NW	54
610	P682	N337	N340	N746	N740	gen_Conc3NW	54
611	P683	N740	N746	N747	N741	gen_Conc3NW	54
612	P684	N741	N747	N748	N742	gen_Conc3NW	54
613	P685	N742	N748	N749	N743	gen_Conc3NW	54
614	P686	N743	N749	N750	N744	gen_Conc3NW	54
615	P687	N744	N750	N751	N745	gen_Conc3NW	54
616	P688	N340	N343	N752	N746	gen_Conc3NW	54
617	P689	N746	N752	N753	N747	gen_Conc3NW	54
618	P690	N747	N753	N754	N748	gen_Conc3NW	54
619	P691	N748	N754	N755	N749	gen_Conc3NW	54
620	P692	N749	N755	N756	N750	gen_Conc3NW	54
621	P693	N750	N756	N757	N751	gen_Conc3NW	54
622	P694	N343	N55	N758	N752	gen_Conc3NW	54
623	P695	N752	N758	N759	N753	gen_Conc3NW	54
624	P696	N753	N759	N760	N754	gen_Conc3NW	54
625	P697	N754	N760	N761	N755	gen_Conc3NW	54
626	P698	N755	N761	N762	N756	gen_Conc3NW	54
627	P699	N756	N762	N120	N757	gen_Conc3NW	54
628	P700	N125	N763	N764	N615	gen_Conc3NW	54
629	P701	N615	N764	N765	N616	gen_Conc3NW	54
630	P702	N616	N765	N766	N617	gen_Conc3NW	54
631	P703	N617	N766	N767	N618	gen_Conc3NW	54
632	P704	N618	N767	N768	N619	gen_Conc3NW	54
633	P705	N619	N768	N345	IT_2	gen_Conc3NW	54
634	P706	N763	N769	N770	N764	gen_Conc3NW	54
635	P707	N764	N770	N771	N765	gen_Conc3NW	54
636	P708	N765	N771	N772	N766	gen_Conc3NW	54
637	P709	N766	N772	N773	N767	gen_Conc3NW	54
638	P710	N767	N773	N774	N768	gen_Conc3NW	54
639	P711	N768	N774	N348	N345	gen_Conc3NW	54
640	P712	N769	N775	N776	N770	gen_Conc3NW	54
641	P713	N770	N776	N777	N771	gen_Conc3NW	54
642	P714	N771	N777	N778	N772	gen_Conc3NW	54
643	P715	N772	N778	N779	N773	gen_Conc3NW	54
644	P716	N773	N779	N780	N774	gen_Conc3NW	54
645	P717	N774	N780	N351	N348	gen_Conc3NW	54
646	P718	N775	N781	N782	N776	gen_Conc3NW	54
647	P719	N776	N782	N783	N777	gen_Conc3NW	54
648	P720	N777	N783	N784	N778	gen_Conc3NW	54
649	P721	N778	N784	N785	N779	gen_Conc3NW	54
650	P722	N779	N785	N786	N780	gen_Conc3NW	54
651	P723	N780	N786	N354	N351	gen_Conc3NW	54
652	P724	N781	N787	N788	N782	gen_Conc3NW	54
653	P725	N782	N788	N789	N783	gen_Conc3NW	54

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Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)
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Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
654	P726	N783	N789	N790	N784	gen_Conc3NW	54
655	P727	N784	N790	N791	N785	gen_Conc3NW	54
656	P728	N785	N791	N792	N786	gen_Conc3NW	54
657	P729	N786	N792	N357	N354	gen_Conc3NW	54
658	P730	N787	N793	N794	N788	gen_Conc3NW	54
659	P731	N788	N794	N795	N789	gen_Conc3NW	54
660	P732	N789	N795	N796	N790	gen_Conc3NW	54
661	P733	N790	N796	N797	N791	gen_Conc3NW	54
662	P734	N791	N797	N798	N792	gen_Conc3NW	54
663	P735	N792	N798	N360	N357	gen_Conc3NW	54
664	P736	N793	N799	N800	N794	gen_Conc3NW	54
665	P737	N794	N800	N801	N795	gen_Conc3NW	54
666	P738	N795	N801	N802	N796	gen_Conc3NW	54
667	P739	N796	N802	N803	N797	gen_Conc3NW	54
668	P740	N797	N803	N804	N798	gen_Conc3NW	54
669	P741	N798	N804	N363	N360	gen_Conc3NW	54
670	P742	N799	N805	N806	N800	gen_Conc3NW	54
671	P743	N800	N806	N807	N801	gen_Conc3NW	54
672	P744	N801	N807	N808	N802	gen_Conc3NW	54
673	P745	N802	N808	N809	N803	gen_Conc3NW	54
674	P746	N803	N809	N810	N804	gen_Conc3NW	54
675	P747	N804	N810	N366	N363	gen_Conc3NW	54
676	P748	N805	N811	N812	N806	gen_Conc3NW	54
677	P749	N806	N812	N813	N807	gen_Conc3NW	54
678	P750	N807	N813	N814	N808	gen_Conc3NW	54
679	P751	N808	N814	N815	N809	gen_Conc3NW	54
680	P752	N809	N815	N816	N810	gen_Conc3NW	54
681	P753	N810	N816	N369	N366	gen_Conc3NW	54
682	P754	N811	N817	N818	N812	gen_Conc3NW	54
683	P755	N812	N818	N819	N813	gen_Conc3NW	54
684	P756	N813	N819	N820	N814	gen_Conc3NW	54
685	P757	N814	N820	N821	N815	gen_Conc3NW	54
686	P758	N815	N821	N822	N816	gen_Conc3NW	54
687	P759	N816	N822	N372	N369	gen_Conc3NW	54
688	P760	N817	N823	N824	N818	gen_Conc3NW	54
689	P761	N818	N824	N825	N819	gen_Conc3NW	54
690	P762	N819	N825	N826	N820	gen_Conc3NW	54
691	P763	N820	N826	N827	N821	gen_Conc3NW	54
692	P764	N821	N827	N828	N822	gen_Conc3NW	54
693	P765	N822	N828	N375	N372	gen_Conc3NW	54
694	P766	N823	N829	N830	N824	gen_Conc3NW	54
695	P767	N824	N830	N831	N825	gen_Conc3NW	54
696	P768	N825	N831	N832	N826	gen_Conc3NW	54
697	P769	N826	N832	N833	N827	gen_Conc3NW	54
698	P770	N827	N833	N834	N828	gen_Conc3NW	54
699	P771	N828	N834	N378	N375	gen_Conc3NW	54
700	P772	N829	N835	N836	N830	gen_Conc3NW	54
701	P773	N830	N836	N837	N831	gen_Conc3NW	54
702	P774	N831	N837	N838	N832	gen_Conc3NW	54
703	P775	N832	N838	N839	N833	gen_Conc3NW	54
704	P776	N833	N839	N840	N834	gen_Conc3NW	54
705	P777	N834	N840	N381	N378	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
706	P778	N835	N841	N842	N836	gen_Conc3NW	54
707	P779	N836	N842	N843	N837	gen_Conc3NW	54
708	P780	N837	N843	N844	N838	gen_Conc3NW	54
709	P781	N838	N844	N845	N839	gen_Conc3NW	54
710	P782	N839	N845	N846	N840	gen_Conc3NW	54
711	P783	N840	N846	N384	N381	gen_Conc3NW	54
712	P784	N841	N847	N848	N842	gen_Conc3NW	54
713	P785	N842	N848	N849	N843	gen_Conc3NW	54
714	P786	N843	N849	N850	N844	gen_Conc3NW	54
715	P787	N844	N850	N851	N845	gen_Conc3NW	54
716	P788	N845	N851	N852	N846	gen_Conc3NW	54
717	P789	N846	N852	N387	N384	gen_Conc3NW	54
718	P790	N847	N853	N854	N848	gen_Conc3NW	54
719	P791	N848	N854	N855	N849	gen_Conc3NW	54
720	P792	N849	N855	N856	N850	gen_Conc3NW	54
721	P793	N850	N856	N857	N851	gen_Conc3NW	54
722	P794	N851	N857	N858	N852	gen_Conc3NW	54
723	P795	N852	N858	N390	N387	gen_Conc3NW	54
724	P796	N853	N859	N860	N854	gen_Conc3NW	54
725	P797	N854	N860	N861	N855	gen_Conc3NW	54
726	P798	N855	N861	N862	N856	gen_Conc3NW	54
727	P799	N856	N862	N863	N857	gen_Conc3NW	54
728	P800	N857	N863	N864	N858	gen_Conc3NW	54
729	P801	N858	N864	N393	N390	gen_Conc3NW	54
730	P802	N859	N865	N866	N860	gen_Conc3NW	54
731	P803	N860	N866	N867	N861	gen_Conc3NW	54
732	P804	N861	N867	N868	N862	gen_Conc3NW	54
733	P805	N862	N868	N869	N863	gen_Conc3NW	54
734	P806	N863	N869	N870	N864	gen_Conc3NW	54
735	P807	N864	N870	N396	N393	gen_Conc3NW	54
736	P808	N865	N871	N872	N866	gen_Conc3NW	54
737	P809	N866	N872	N873	N867	gen_Conc3NW	54
738	P810	N867	N873	N874	N868	gen_Conc3NW	54
739	P811	N868	N874	N875	N869	gen_Conc3NW	54
740	P812	N869	N875	N876	N870	gen_Conc3NW	54
741	P813	N870	N876	N399	N396	gen_Conc3NW	54
742	P814	N871	N877	N878	N872	gen_Conc3NW	54
743	P815	N872	N878	N879	N873	gen_Conc3NW	54
744	P816	N873	N879	N880	N874	gen_Conc3NW	54
745	P817	N874	N880	N881	N875	gen_Conc3NW	54
746	P818	N875	N881	N882	N876	gen_Conc3NW	54
747	P819	N876	N882	N402	N399	gen_Conc3NW	54
748	P820	N877	N883	N884	N878	gen_Conc3NW	54
749	P821	N878	N884	N885	N879	gen_Conc3NW	54
750	P822	N879	N885	N886	N880	gen_Conc3NW	54
751	P823	N880	N886	N887	N881	gen_Conc3NW	54
752	P824	N881	N887	N888	N882	gen_Conc3NW	54
753	P825	N882	N888	N405	N402	gen_Conc3NW	54
754	P826	N883	N889	N890	N884	gen_Conc3NW	54
755	P827	N884	N890	N891	N885	gen_Conc3NW	54
756	P828	N885	N891	N892	N886	gen_Conc3NW	54
757	P829	N886	N892	N893	N887	gen_Conc3NW	54

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
758	P830	N887	N893	N894	N888	gen_Conc3NW	54
759	P831	N888	N894	N408	N405	gen_Conc3NW	54
760	P832	N889	N895	N896	N890	gen_Conc3NW	54
761	P833	N890	N896	N897	N891	gen_Conc3NW	54
762	P834	N891	N897	N898	N892	gen_Conc3NW	54
763	P835	N892	N898	N899	N893	gen_Conc3NW	54
764	P836	N893	N899	N900	N894	gen_Conc3NW	54
765	P837	N894	N900	N411	N408	gen_Conc3NW	54
766	P838	N895	N119	N901	N896	gen_Conc3NW	54
767	P839	N896	N901	N902	N897	gen_Conc3NW	54
768	P840	N897	N902	N903	N898	gen_Conc3NW	54
769	P841	N898	N903	N904	N899	gen_Conc3NW	54
770	P842	N899	N904	N905	N900	gen_Conc3NW	54
771	P843	N900	N905	N56	N411	gen_Conc3NW	54
772	P844	N124	N906	N763	N125	gen_Conc3NW	54
773	P845	N906	N907	N769	N763	gen_Conc3NW	54
774	P846	N907	N908	N775	N769	gen_Conc3NW	54
775	P847	N908	N909	N781	N775	gen_Conc3NW	54
776	P848	N909	N910	N787	N781	gen_Conc3NW	54
777	P849	N910	N911	N793	N787	gen_Conc3NW	54
778	P850	N911	N912	N799	N793	gen_Conc3NW	54
779	P851	N912	N913	N805	N799	gen_Conc3NW	54
780	P852	N913	N914	N811	N805	gen_Conc3NW	54
781	P853	N914	N915	N817	N811	gen_Conc3NW	54
782	P854	N915	N916	N823	N817	gen_Conc3NW	54
783	P855	N916	N917	N829	N823	gen_Conc3NW	54
784	P856	N917	N918	N835	N829	gen_Conc3NW	54
785	P857	N918	N919	N841	N835	gen_Conc3NW	54
786	P858	N919	N920	N847	N841	gen_Conc3NW	54
787	P859	N920	N921	N853	N847	gen_Conc3NW	54
788	P860	N921	N922	N859	N853	gen_Conc3NW	54
789	P861	N922	N923	N865	N859	gen_Conc3NW	54
790	P862	N923	N924	N871	N865	gen_Conc3NW	54
791	P863	N924	N925	N877	N871	gen_Conc3NW	54
792	P864	N925	N926	N883	N877	gen_Conc3NW	54
793	P865	N926	N927	N889	N883	gen_Conc3NW	54
794	P866	N927	N928	N895	N889	gen_Conc3NW	54
795	P867	N928	IT_1	N119	N895	gen_Conc3NW	54
796	P868	N126	N625	N906	N124	gen_Conc3NW	54
797	P869	N625	N631	N907	N906	gen_Conc3NW	54
798	P870	N631	N637	N908	N907	gen_Conc3NW	54
799	P871	N637	N643	N909	N908	gen_Conc3NW	54
800	P872	N643	N649	N910	N909	gen_Conc3NW	54
801	P873	N649	N655	N911	N910	gen_Conc3NW	54
802	P874	N655	N661	N912	N911	gen_Conc3NW	54
803	P875	N661	N667	N913	N912	gen_Conc3NW	54
804	P876	N667	N673	N914	N913	gen_Conc3NW	54
805	P877	N673	N679	N915	N914	gen_Conc3NW	54
806	P878	N679	N685	N916	N915	gen_Conc3NW	54
807	P879	N685	N691	N917	N916	gen_Conc3NW	54
808	P880	N691	N697	N918	N917	gen_Conc3NW	54
809	P881	N697	N703	N919	N918	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
810	P882	N703	N709	N920	N919	gen_Conc3NW	54
811	P883	N709	N715	N921	N920	gen_Conc3NW	54
812	P884	N715	N721	N922	N921	gen_Conc3NW	54
813	P885	N721	N727	N923	N922	gen_Conc3NW	54
814	P886	N727	N733	N924	N923	gen_Conc3NW	54
815	P887	N733	N739	N925	N924	gen_Conc3NW	54
816	P888	N739	N745	N926	N925	gen_Conc3NW	54
817	P889	N745	N751	N927	N926	gen_Conc3NW	54
818	P890	N751	N757	N928	N927	gen_Conc3NW	54
819	P891	N757	N120	IT_1	N928	gen_Conc3NW	54
820	P892	N56	N929	N930	N414	gen_Conc3NW	54
821	P893	N414	N930	N931	N86	gen_Conc3NW	54
822	P894	N929	N932	N933	N930	gen_Conc3NW	54
823	P895	N930	N933	N934	N931	gen_Conc3NW	54
824	P896	N932	N935	N936	N933	gen_Conc3NW	54
825	P897	N933	N936	N937	N934	gen_Conc3NW	54
826	P898	N935	N90	N938	N936	gen_Conc3NW	54
827	P899	N936	N938	N96	N937	gen_Conc3NW	54
828	P900	N84	N939	N940	N484	gen_Conc3NW	54
829	P901	N484	N940	N941	N82	gen_Conc3NW	54
830	P902	N939	N942	N943	N940	gen_Conc3NW	54
831	P903	N940	N943	N944	N941	gen_Conc3NW	54
832	P904	N942	N945	N946	N943	gen_Conc3NW	54
833	P905	N943	N946	N947	N944	gen_Conc3NW	54
834	P906	N945	N94	N948	N946	gen_Conc3NW	54
835	P907	N946	N948	N92	N947	gen_Conc3NW	54
836	P908	N86	N931	N949	N88	gen_Conc3NW	54
837	P909	N931	N934	N950	N949	gen_Conc3NW	54
838	P910	N934	N937	N951	N950	gen_Conc3NW	54
839	P911	N937	N96	N98	N951	gen_Conc3NW	54
840	P912	N88	N949	N939	N84	gen_Conc3NW	54
841	P913	N949	N950	N942	N939	gen_Conc3NW	54
842	P914	N950	N951	N945	N942	gen_Conc3NW	54
843	P915	N951	N98	N94	N945	gen_Conc3NW	54
844	P916	N116	N952	N953	N118	gen_Conc3NW	54
845	P917	N952	N954	N955	N953	gen_Conc3NW	54
846	P918	N954	N956	N957	N955	gen_Conc3NW	54
847	P919	N956	N68	N70	N957	gen_Conc3NW	54
848	P920	N118	N953	N958	N114	gen_Conc3NW	54
849	P921	N953	N955	N959	N958	gen_Conc3NW	54
850	P922	N955	N957	N960	N959	gen_Conc3NW	54
851	P923	N957	N70	N66	N960	gen_Conc3NW	54
852	P924	N114	N958	N961	N962	gen_Conc3NW	54
853	P925	N962	N961	N963	N112	gen_Conc3NW	54
854	P926	N958	N959	N964	N961	gen_Conc3NW	54
855	P927	N961	N964	N965	N963	gen_Conc3NW	54
856	P928	N959	N960	N966	N964	gen_Conc3NW	54
857	P929	N964	N966	N967	N965	gen_Conc3NW	54
858	P930	N960	N66	N968	N966	gen_Conc3NW	54
859	P931	N966	N968	N4	N967	gen_Conc3NW	54
860	P932	N110	N969	N970	N971	gen_Conc3NW	54
861	P933	N971	N970	N952	N116	gen_Conc3NW	54

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
862	P934	N969	N972	N973	N970	gen_Conc3NW	54
863	P935	N970	N973	N954	N952	gen_Conc3NW	54
864	P936	N972	N974	N975	N973	gen_Conc3NW	54
865	P937	N973	N975	N956	N954	gen_Conc3NW	54
866	P938	N974	N72	N976	N975	gen_Conc3NW	54
867	P939	N975	N976	N68	N956	gen_Conc3NW	54
868	P940	N90	N100	N977	N938	gen_Conc3NW	54
869	P941	N938	N977	N106	N96	gen_Conc3NW	54
870	P942	N94	N104	N978	N948	gen_Conc3NW	54
871	P943	N948	N978	N102	N92	gen_Conc3NW	54
872	P944	N100	N110	N971	N977	gen_Conc3NW	54
873	P945	N977	N971	N116	N106	gen_Conc3NW	54
874	P946	N104	N114	N962	N978	gen_Conc3NW	54
875	P947	N978	N962	N112	N102	gen_Conc3NW	54
876	P948	N119	N979	N980	N901	gen_Conc3NW	54
877	P949	N901	N980	N981	N902	gen_Conc3NW	54
878	P950	N902	N981	N982	N903	gen_Conc3NW	54
879	P951	N903	N982	N983	N904	gen_Conc3NW	54
880	P952	N904	N983	N984	N905	gen_Conc3NW	54
881	P953	N905	N984	N929	N56	gen_Conc3NW	54
882	P954	N979	N985	N986	N980	gen_Conc3NW	54
883	P955	N980	N986	N987	N981	gen_Conc3NW	54
884	P956	N981	N987	N988	N982	gen_Conc3NW	54
885	P957	N982	N988	N989	N983	gen_Conc3NW	54
886	P958	N983	N989	N990	N984	gen_Conc3NW	54
887	P959	N984	N990	N932	N929	gen_Conc3NW	54
888	P960	N985	N991	N992	N986	gen_Conc3NW	54
889	P961	N986	N992	N993	N987	gen_Conc3NW	54
890	P962	N987	N993	N994	N988	gen_Conc3NW	54
891	P963	N988	N994	N995	N989	gen_Conc3NW	54
892	P964	N989	N995	N996	N990	gen_Conc3NW	54
893	P965	N990	N996	N935	N932	gen_Conc3NW	54
894	P966	N991	RA_3	N997	N992	gen_Conc3NW	54
895	P967	N992	N997	N998	N993	gen_Conc3NW	54
896	P968	N993	N998	N999	N994	gen_Conc3NW	54
897	P969	N994	N999	N1000	N995	gen_Conc3NW	54
898	P970	N995	N1000	N1001	N996	gen_Conc3NW	54
899	P971	N996	N1001	N90	N935	gen_Conc3NW	54
900	P972	N55	N1002	N1003	N758	gen_Conc3NW	54
901	P973	N758	N1003	N1004	N759	gen_Conc3NW	54
902	P974	N759	N1004	N1005	N760	gen_Conc3NW	54
903	P975	N760	N1005	N1006	N761	gen_Conc3NW	54
904	P976	N761	N1006	N1007	N762	gen_Conc3NW	54
905	P977	N762	N1007	N1008	N120	gen_Conc3NW	54
906	P978	N1002	N1009	N1010	N1003	gen_Conc3NW	54
907	P979	N1003	N1010	N1011	N1004	gen_Conc3NW	54
908	P980	N1004	N1011	N1012	N1005	gen_Conc3NW	54
909	P981	N1005	N1012	N1013	N1006	gen_Conc3NW	54
910	P982	N1006	N1013	N1014	N1007	gen_Conc3NW	54
911	P983	N1007	N1014	N1015	N1008	gen_Conc3NW	54
912	P984	N1009	N1016	N1017	N1010	gen_Conc3NW	54
913	P985	N1010	N1017	N1018	N1011	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
914	P986	N1011	N1018	N1019	N1012	gen_Conc3NW	54
915	P987	N1012	N1019	N1020	N1013	gen_Conc3NW	54
916	P988	N1013	N1020	N1021	N1014	gen_Conc3NW	54
917	P989	N1014	N1021	N1022	N1015	gen_Conc3NW	54
918	P990	N1016	N89	N1023	N1017	gen_Conc3NW	54
919	P991	N1017	N1023	N1024	N1018	gen_Conc3NW	54
920	P992	N1018	N1024	N1025	N1019	gen_Conc3NW	54
921	P993	N1019	N1025	N1026	N1020	gen_Conc3NW	54
922	P994	N1020	N1026	N1027	N1021	gen_Conc3NW	54
923	P995	N1021	N1027	RA_4	N1022	gen_Conc3NW	54
924	P996	RA_2	N1028	N1029	N1030	gen_Conc3NW	54
925	P997	N1030	N1029	N1031	N1032	gen_Conc3NW	54
926	P998	N1032	N1031	N1033	N1034	gen_Conc3NW	54
927	P999	N1034	N1033	N1035	N1036	gen_Conc3NW	54
928	P1000	N1036	N1035	N1037	N1038	gen_Conc3NW	54
929	P1001	N1038	N1037	N969	N110	gen_Conc3NW	54
930	P1002	N1028	N1039	N1040	N1029	gen_Conc3NW	54
931	P1003	N1029	N1040	N1041	N1031	gen_Conc3NW	54
932	P1004	N1031	N1041	N1042	N1033	gen_Conc3NW	54
933	P1005	N1033	N1042	N1043	N1035	gen_Conc3NW	54
934	P1006	N1035	N1043	N1044	N1037	gen_Conc3NW	54
935	P1007	N1037	N1044	N972	N969	gen_Conc3NW	54
936	P1008	N1039	N1045	N1046	N1040	gen_Conc3NW	54
937	P1009	N1040	N1046	N1047	N1041	gen_Conc3NW	54
938	P1010	N1041	N1047	N1048	N1042	gen_Conc3NW	54
939	P1011	N1042	N1048	N1049	N1043	gen_Conc3NW	54
940	P1012	N1043	N1049	N1050	N1044	gen_Conc3NW	54
941	P1013	N1044	N1050	N974	N972	gen_Conc3NW	54
942	P1014	N1045	N121	N1051	N1046	gen_Conc3NW	54
943	P1015	N1046	N1051	N1052	N1047	gen_Conc3NW	54
944	P1016	N1047	N1052	N1053	N1048	gen_Conc3NW	54
945	P1017	N1048	N1053	N1054	N1049	gen_Conc3NW	54
946	P1018	N1049	N1054	N1055	N1050	gen_Conc3NW	54
947	P1019	N1050	N1055	N72	N974	gen_Conc3NW	54
948	P1020	N109	N1056	N1057	N1058	gen_Conc3NW	54
949	P1021	N1058	N1057	N1059	N1060	gen_Conc3NW	54
950	P1022	N1060	N1059	N1061	N1062	gen_Conc3NW	54
951	P1023	N1062	N1061	N1063	N1064	gen_Conc3NW	54
952	P1024	N1064	N1063	N1065	N1066	gen_Conc3NW	54
953	P1025	N1066	N1065	N1067	RA_1	gen_Conc3NW	54
954	P1026	N1056	N1068	N1069	N1057	gen_Conc3NW	54
955	P1027	N1057	N1069	N1070	N1059	gen_Conc3NW	54
956	P1028	N1059	N1070	N1071	N1061	gen_Conc3NW	54
957	P1029	N1061	N1071	N1072	N1063	gen_Conc3NW	54
958	P1030	N1063	N1072	N1073	N1065	gen_Conc3NW	54
959	P1031	N1065	N1073	N1074	N1067	gen_Conc3NW	54
960	P1032	N1068	N1075	N1076	N1069	gen_Conc3NW	54
961	P1033	N1069	N1076	N1077	N1070	gen_Conc3NW	54
962	P1034	N1070	N1077	N1078	N1071	gen_Conc3NW	54
963	P1035	N1071	N1078	N1079	N1072	gen_Conc3NW	54
964	P1036	N1072	N1079	N1080	N1073	gen_Conc3NW	54
965	P1037	N1073	N1080	N1081	N1074	gen_Conc3NW	54

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
966	P1038	N1075	N71	N1082	N1076	gen_Conc3NW	54
967	P1039	N1076	N1082	N1083	N1077	gen_Conc3NW	54
968	P1040	N1077	N1083	N1084	N1078	gen_Conc3NW	54
969	P1041	N1078	N1084	N1085	N1079	gen_Conc3NW	54
970	P1042	N1079	N1085	N1086	N1080	gen_Conc3NW	54
971	P1043	N1080	N1086	N122	N1081	gen_Conc3NW	54
972	P1044	RA_3	N44	N1087	N997	gen_Conc3NW	54
973	P1045	N997	N1087	N1088	N998	gen_Conc3NW	54
974	P1046	N998	N1088	N1089	N999	gen_Conc3NW	54
975	P1047	N999	N1089	N1090	N1000	gen_Conc3NW	54
976	P1048	N1000	N1090	N1091	N1001	gen_Conc3NW	54
977	P1049	N1001	N1091	N100	N90	gen_Conc3NW	54
978	P1050	N44	RA_2	N1030	N1087	gen_Conc3NW	54
979	P1051	N1087	N1030	N1032	N1088	gen_Conc3NW	54
980	P1052	N1088	N1032	N1034	N1089	gen_Conc3NW	54
981	P1053	N1089	N1034	N1036	N1090	gen_Conc3NW	54
982	P1054	N1090	N1036	N1038	N1091	gen_Conc3NW	54
983	P1055	N1091	N1038	N110	N100	gen_Conc3NW	54
984	P1056	N89	N99	N1092	N1023	gen_Conc3NW	54
985	P1057	N1023	N1092	N1093	N1024	gen_Conc3NW	54
986	P1058	N1024	N1093	N1094	N1025	gen_Conc3NW	54
987	P1059	N1025	N1094	N1095	N1026	gen_Conc3NW	54
988	P1060	N1026	N1095	N1096	N1027	gen_Conc3NW	54
989	P1061	N1027	N1096	N46	RA_4	gen_Conc3NW	54
990	P1062	N99	N109	N1058	N1092	gen_Conc3NW	54
991	P1063	N1092	N1058	N1060	N1093	gen_Conc3NW	54
992	P1064	N1093	N1060	N1062	N1094	gen_Conc3NW	54
993	P1065	N1094	N1062	N1064	N1095	gen_Conc3NW	54
994	P1066	N1095	N1064	N1066	N1096	gen_Conc3NW	54
995	P1067	N1096	N1066	RA_1	N46	gen_Conc3NW	54
996	P1068	RA_1	N1067	N1097	N48	gen_Conc3NW	54
997	P1069	N1067	N1074	N1098	N1097	gen_Conc3NW	54
998	P1070	N1074	N1081	N1099	N1098	gen_Conc3NW	54
999	P1071	N1081	N122	N123	N1099	gen_Conc3NW	54
1000	P1072	N120	N1008	N1100	IT_1	gen_Conc3NW	54
1001	P1073	N1008	N1015	N1101	N1100	gen_Conc3NW	54
1002	P1074	N1015	N1022	N1102	N1101	gen_Conc3NW	54
1003	P1075	N1022	RA_4	N50	N1102	gen_Conc3NW	54
1004	P1076	N48	N1097	N1028	RA_2	gen_Conc3NW	54
1005	P1077	N1097	N1098	N1039	N1028	gen_Conc3NW	54
1006	P1078	N1098	N1099	N1045	N1039	gen_Conc3NW	54
1007	P1079	N1099	N123	N121	N1045	gen_Conc3NW	54
1008	P1080	IT_1	N1100	N979	N119	gen_Conc3NW	54
1009	P1081	N1100	N1101	N985	N979	gen_Conc3NW	54
1010	P1082	N1101	N1102	N991	N985	gen_Conc3NW	54
1011	P1083	N1102	N50	RA_3	N991	gen_Conc3NW	54
1012	P1084	N81	N1103	N1104	N274	gen_Conc3NW	54
1013	P1085	N274	N1104	N1105	N85	gen_Conc3NW	54
1014	P1086	N1103	N1106	N1107	N1104	gen_Conc3NW	54
1015	P1087	N1104	N1107	N1108	N1105	gen_Conc3NW	54
1016	P1088	N1106	N1109	N1110	N1107	gen_Conc3NW	54
1017	P1089	N1107	N1110	N1111	N1108	gen_Conc3NW	54

Plate Primary Data (Continued)

	Label	A Joint	B Joint	C Joint	D Joint	Material	Thickness[in]
1018	P1090	N1109	N91	N1112	N1110	gen_Conc3NW	54
1019	P1091	N1110	N1112	N95	N1111	gen_Conc3NW	54
1020	P1092	N83	N1113	N1114	N344	gen_Conc3NW	54
1021	P1093	N344	N1114	N1002	N55	gen_Conc3NW	54
1022	P1094	N1113	N1115	N1116	N1114	gen_Conc3NW	54
1023	P1095	N1114	N1116	N1009	N1002	gen_Conc3NW	54
1024	P1096	N1115	N1117	N1118	N1116	gen_Conc3NW	54
1025	P1097	N1116	N1118	N1016	N1009	gen_Conc3NW	54
1026	P1098	N1117	N93	N1119	N1118	gen_Conc3NW	54
1027	P1099	N1118	N1119	N89	N1016	gen_Conc3NW	54
1028	P1100	N111	N1120	N1121	N1122	gen_Conc3NW	54
1029	P1101	N1122	N1121	N1123	N115	gen_Conc3NW	54
1030	P1102	N1120	N1124	N1125	N1121	gen_Conc3NW	54
1031	P1103	N1121	N1125	N1126	N1123	gen_Conc3NW	54
1032	P1104	N1124	N1127	N1128	N1125	gen_Conc3NW	54
1033	P1105	N1125	N1128	N1129	N1126	gen_Conc3NW	54
1034	P1106	N1127	N1	N1130	N1128	gen_Conc3NW	54
1035	P1107	N1128	N1130	N67	N1129	gen_Conc3NW	54
1036	P1108	N113	N1131	N1132	N1133	gen_Conc3NW	54
1037	P1109	N1133	N1132	N1056	N109	gen_Conc3NW	54
1038	P1110	N1131	N1134	N1135	N1132	gen_Conc3NW	54
1039	P1111	N1132	N1135	N1068	N1056	gen_Conc3NW	54
1040	P1112	N1134	N1136	N1137	N1135	gen_Conc3NW	54
1041	P1113	N1135	N1137	N1075	N1068	gen_Conc3NW	54
1042	P1114	N1136	N65	N1138	N1137	gen_Conc3NW	54
1043	P1115	N1137	N1138	N71	N1075	gen_Conc3NW	54
1044	P1116	N91	N101	N1139	N1112	gen_Conc3NW	54
1045	P1117	N1112	N1139	N105	N95	gen_Conc3NW	54
1046	P1118	N93	N103	N1140	N1119	gen_Conc3NW	54
1047	P1119	N1119	N1140	N99	N89	gen_Conc3NW	54
1048	P1120	N103	N113	N1133	N1140	gen_Conc3NW	54
1049	P1121	N1140	N1133	N109	N99	gen_Conc3NW	54
1050	P1122	N101	N111	N1122	N1139	gen_Conc3NW	54
1051	P1123	N1139	N1122	N115	N105	gen_Conc3NW	54
1052	P1124	N87	N1141	N1113	N83	gen_Conc3NW	54
1053	P1125	N1141	N1142	N1115	N1113	gen_Conc3NW	54
1054	P1126	N1142	N1143	N1117	N1115	gen_Conc3NW	54
1055	P1127	N1143	N97	N93	N1117	gen_Conc3NW	54
1056	P1128	N115	N1123	N1144	N117	gen_Conc3NW	54
1057	P1129	N1123	N1126	N1145	N1144	gen_Conc3NW	54
1058	P1130	N1126	N1129	N1146	N1145	gen_Conc3NW	54
1059	P1131	N1129	N67	N69	N1146	gen_Conc3NW	54
1060	P1132	N117	N1144	N1131	N113	gen_Conc3NW	54
1061	P1133	N1144	N1145	N1134	N1131	gen_Conc3NW	54
1062	P1134	N1145	N1146	N1136	N1134	gen_Conc3NW	54
1063	P1135	N1146	N69	N65	N1136	gen_Conc3NW	54
1064	P1136	N85	N1105	N1141	N87	gen_Conc3NW	54
1065	P1137	N1105	N1108	N1142	N1141	gen_Conc3NW	54
1066	P1138	N1108	N1111	N1143	N1142	gen_Conc3NW	54
1067	P1139	N1111	N95	N97	N1143	gen_Conc3NW	54

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

Feb 23, 2024
9:32 AM
Checked By: CS

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N1	S10	CS9.308	S10			
2	N2	S10	CS15.272	S10			
3	N3	S10	CS15.265	S10			
4	N4	S10	CS9.308	S10			
5	OT_3		CS50.417				
6	OT_2		CS50.417				
7	OT_1		CS50.417				
8	IT_1		CS37.357				
9	IT_3		CS58.907				
10	IT_2		CS58.907				
11	RC_2		CS50.865				
12	RB_2		CS47.578				
13	RA_2		CS58.102				
14	RC_3		CS59.549				
15	RB_3		CS55.621				
16	RA_3		CS56.635				
17	RC_1		CS98.035				
18	RB_1		CS50.868				
19	RA_1		CS58.102				
20	RC_4		CS106.171				
21	RB_4		CS59.46				
22	RA_4		CS56.635				
23	N35		CS30.544				
24	N36		CS78.293				
25	N37		CS32.62				
26	N38		CS74.227				
27	N39		CS53.854				
28	N40		CS50.417				
29	N41		CS47.62				
30	N42		CS55.753				
31	N43		CS50.371				
32	N44		CS66.84				
33	N45		CS53.854				
34	N46		CS66.84				
35	N47		CS47.621				
36	N48		CS43.826				
37	N49		CS55.665				
38	N50		CS42.718				
39	N51		CS30.46				
40	N52		CS32.533				
41	N53		CS23.767				
42	N54		CS27.822				
43	N55		CS52.074				
44	N56		CS52.074				
45	N57		CS66.381				
46	N58		CS66.381				
47	N59		CS70.277				
48	N60		CS70.277				
49	N61		CS77.596				
50	N62		CS77.589				
51	N63		CS42.457				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
52	N64		CS42.451				
53	N65		CS19.884				
54	N66		CS18.615				
55	N67		CS18.615				
56	N68		CS19.884				
57	N69		CS18.615				
58	N70		CS18.615				
59	N71		CS25.949				
60	N72		CS25.949				
61	N73		CS45.141				
62	N74		CS42.221				
63	N75		CS42.259				
64	N76		CS45.141				
65	N77		CS21.13				
66	N78		CS42.259				
67	N79		CS42.259				
68	N80		CS21.091				
69	N81		CS18.679				
70	N82		CS18.679				
71	N83		CS39.905				
72	N84		CS37.357				
73	N85		CS37.358				
74	N86		CS39.905				
75	N87		CS37.358				
76	N88		CS37.358				
77	N89		CS59.548				
78	N90		CS59.548				
79	N91		CS21.359				
80	N92		CS21.359				
81	N93		CS45.632				
82	N94		CS42.719				
83	N95		CS42.719				
84	N96		CS45.632				
85	N97		CS42.719				
86	N98		CS42.719				
87	N99		CS70.278				
88	N100		CS70.278				
89	N101		CS25.208				
90	N102		CS25.208				
91	N103		CS53.854				
92	N104		CS50.417				
93	N105		CS50.417				
94	N106		CS53.854				
95	N107		CS50.417				
96	N108		CS50.417				
97	N109		CS61.087				
98	N110		CS61.087				
99	N111		CS21.912				
100	N112		CS21.912				
101	N113		CS46.812				
102	N114		CS43.824				
103	N115		CS43.824				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
104	N116		CS46.812				
105	N117		CS43.824				
106	N118		CS43.824				
107	N119		CS49.527				
108	N120		CS49.527				
109	N121		CS24.682				
110	N122		CS24.682				
111	N123		CS18.617				
112	N124		CS42.259				
113	N125		CS56.026				
114	N126		CS56.026				
115	N127		CS47.63				
116	N128		CS63.146				
117	N129		CS63.146				
118	N130		CS50.407				
119	N131		CS66.828				
120	N132		CS66.828				
121	N133		CS55.646				
122	N134		CS73.774				
123	N135		CS73.774				
124	N136		CS30.456				
125	N137		CS40.378				
126	N138		CS40.378				
127	N139		CS57.292				
128	N140		CS63.254				
129	N141		CS54.115				
130	N142		CS50.325				
131	N143		CS55.61				
132	N144		CS25.163				
133	N145		CS47.534				
134	N146		CS65.065				
135	N147		CS60.913				
136	N148		CS30.456				
137	N149		CS60.91				
138	N150		CS65.065				
139	N151		CS60.913				
140	N152		CS60.896				
141	N153		CS65.065				
142	N154		CS60.913				
143	N155		CS60.882				
144	N156		CS60.972				
145	N157		CS30.496				
146	N158		CS30.519				
147	N159		CS60.944				
148	N160		CS30.505				
149	N161		CS60.917				
150	N162		CS30.491				
151	N163		CS84.902				
152	N164		CS69.216				
153	N165		CS34.608				
154	N166		CS84.902				
155	N167		CS69.216				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
156	N168		CS84.902				
157	N169		CS69.216				
158	N170		CS30.544				
159	N171		CS61.087				
160	N172		CS30.544				
161	N173		CS61.087				
162	N174		CS30.544				
163	N175		CS61.087				
164	N176		CS61.087				
165	N177		CS30.544				
166	N178		CS61.087				
167	N179		CS61.087				
168	N180		CS55.752				
169	N181		CS61.087				
170	N182		CS30.544				
171	N183		CS65.24				
172	N184		CS61.087				
173	N185		CS65.24				
174	N186		CS61.087				
175	N187		CS65.24				
176	N188		CS69.315				
177	N189		CS34.658				
178	N190		CS84.915				
179	N191		CS69.315				
180	N192		CS84.915				
181	N193		CS69.315				
182	N194		CS84.915				
183	N195		CS63.304				
184	N196		CS25.208				
185	N197		CS50.417				
186	N198		CS47.62				
187	N199		CS57.292				
188	N200		CS54.114				
189	N201		CS42.259				
190	N202		CS48.022				
191	N203		CS48.022				
192	N204		CS42.183				
193	N205		CS19.847				
194	N206		CS39.694				
195	N207		CS39.694				
196	N208		CS19.847				
197	N209		CS39.694				
198	N210		CS39.694				
199	N211		CS19.847				
200	N212		CS39.694				
201	N213		CS39.694				
202	N214		CS19.847				
203	N215		CS39.694				
204	N216		CS39.694				
205	N217		CS19.847				
206	N218		CS39.694				
207	N219		CS39.694				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
208	N220		CS19.847				
209	N221		CS39.694				
210	N222		CS39.694				
211	N223		CS19.847				
212	N224		CS39.694				
213	N225		CS39.694				
214	N226		CS19.847				
215	N227		CS39.694				
216	N228		CS39.694				
217	N229		CS19.847				
218	N230		CS39.694				
219	N231		CS39.694				
220	N232		CS19.847				
221	N233		CS39.694				
222	N234		CS39.694				
223	N235		CS19.847				
224	N236		CS39.694				
225	N237		CS39.694				
226	N238		CS19.847				
227	N239		CS39.694				
228	N240		CS39.694				
229	N241		CS19.847				
230	N242		CS39.694				
231	N243		CS39.694				
232	N244		CS19.847				
233	N245		CS39.694				
234	N246		CS39.694				
235	N247		CS19.847				
236	N248		CS39.694				
237	N249		CS39.694				
238	N250		CS19.847				
239	N251		CS39.694				
240	N252		CS39.694				
241	N253		CS19.847				
242	N254		CS39.694				
243	N255		CS39.694				
244	N256		CS19.847				
245	N257		CS39.694				
246	N258		CS39.694				
247	N259		CS19.847				
248	N260		CS39.694				
249	N261		CS39.694				
250	N262		CS19.847				
251	N263		CS39.694				
252	N264		CS39.694				
253	N265		CS19.847				
254	N266		CS39.694				
255	N267		CS39.694				
256	N268		CS19.847				
257	N269		CS39.694				
258	N270		CS39.694				
259	N271		CS19.847				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
260	N272		CS39.694				
261	N273		CS39.694				
262	N274		CS37.358				
263	N275		CS42.4				
264	N276		CS45.107				
265	N277		CS55.331				
266	N278		CS42.4				
267	N279		CS45.107				
268	N280		CS55.331				
269	N281		CS42.4				
270	N282		CS45.107				
271	N283		CS55.331				
272	N284		CS42.4				
273	N285		CS45.107				
274	N286		CS55.331				
275	N287		CS42.4				
276	N288		CS45.107				
277	N289		CS55.331				
278	N290		CS42.4				
279	N291		CS45.107				
280	N292		CS55.331				
281	N293		CS42.4				
282	N294		CS45.107				
283	N295		CS55.331				
284	N296		CS42.4				
285	N297		CS45.107				
286	N298		CS55.331				
287	N299		CS42.4				
288	N300		CS45.107				
289	N301		CS55.331				
290	N302		CS42.4				
291	N303		CS45.107				
292	N304		CS55.331				
293	N305		CS42.4				
294	N306		CS45.107				
295	N307		CS55.331				
296	N308		CS42.4				
297	N309		CS45.107				
298	N310		CS55.331				
299	N311		CS42.4				
300	N312		CS45.107				
301	N313		CS55.331				
302	N314		CS42.4				
303	N315		CS45.107				
304	N316		CS55.331				
305	N317		CS42.4				
306	N318		CS45.107				
307	N319		CS55.331				
308	N320		CS42.4				
309	N321		CS45.107				
310	N322		CS55.331				
311	N323		CS42.4				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
312	N324		CS45.107				
313	N325		CS55.331				
314	N326		CS42.4				
315	N327		CS45.107				
316	N328		CS55.331				
317	N329		CS42.4				
318	N330		CS45.107				
319	N331		CS55.331				
320	N332		CS42.4				
321	N333		CS45.107				
322	N334		CS55.331				
323	N335		CS42.4				
324	N336		CS45.107				
325	N337		CS55.331				
326	N338		CS42.4				
327	N339		CS45.107				
328	N340		CS55.331				
329	N341		CS42.4				
330	N342		CS45.107				
331	N343		CS55.331				
332	N344		CS42.452				
333	N345		CS55.331				
334	N346		CS45.107				
335	N347		CS42.4				
336	N348		CS55.331				
337	N349		CS45.107				
338	N350		CS42.4				
339	N351		CS55.331				
340	N352		CS45.107				
341	N353		CS42.4				
342	N354		CS55.331				
343	N355		CS45.107				
344	N356		CS42.4				
345	N357		CS55.331				
346	N358		CS45.107				
347	N359		CS42.4				
348	N360		CS55.331				
349	N361		CS45.107				
350	N362		CS42.4				
351	N363		CS55.331				
352	N364		CS45.107				
353	N365		CS42.4				
354	N366		CS55.331				
355	N367		CS45.107				
356	N368		CS42.4				
357	N369		CS55.331				
358	N370		CS45.107				
359	N371		CS42.4				
360	N372		CS55.331				
361	N373		CS45.107				
362	N374		CS42.4				
363	N375		CS55.331				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
364	N376		CS45.107				
365	N377		CS42.4				
366	N378		CS55.331				
367	N379		CS45.107				
368	N380		CS42.4				
369	N381		CS55.331				
370	N382		CS45.107				
371	N383		CS42.4				
372	N384		CS55.331				
373	N385		CS45.107				
374	N386		CS42.4				
375	N387		CS55.331				
376	N388		CS45.107				
377	N389		CS42.4				
378	N390		CS55.331				
379	N391		CS45.107				
380	N392		CS42.4				
381	N393		CS55.331				
382	N394		CS45.107				
383	N395		CS42.4				
384	N396		CS55.331				
385	N397		CS45.107				
386	N398		CS42.4				
387	N399		CS55.331				
388	N400		CS45.107				
389	N401		CS42.4				
390	N402		CS55.331				
391	N403		CS45.107				
392	N404		CS42.4				
393	N405		CS55.331				
394	N406		CS45.107				
395	N407		CS42.4				
396	N408		CS55.331				
397	N409		CS45.107				
398	N410		CS42.4				
399	N411		CS55.331				
400	N412		CS45.107				
401	N413		CS42.4				
402	N414		CS42.452				
403	N415		CS39.659				
404	N416		CS39.625				
405	N417		CS19.812				
406	N418		CS39.661				
407	N419		CS39.628				
408	N420		CS19.814				
409	N421		CS39.662				
410	N422		CS39.631				
411	N423		CS19.815				
412	N424		CS39.664				
413	N425		CS39.634				
414	N426		CS19.817				
415	N427		CS39.665				

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
416	N428		CS39.637				
417	N429		CS19.818				
418	N430		CS39.667				
419	N431		CS39.64				
420	N432		CS19.82				
421	N433		CS39.668				
422	N434		CS39.643				
423	N435		CS19.821				
424	N436		CS39.67				
425	N437		CS39.646				
426	N438		CS19.823				
427	N439		CS39.671				
428	N440		CS39.649				
429	N441		CS19.824				
430	N442		CS39.673				
431	N443		CS39.652				
432	N444		CS19.826				
433	N445		CS39.674				
434	N446		CS39.655				
435	N447		CS19.827				
436	N448		CS39.676				
437	N449		CS39.658				
438	N450		CS19.829				
439	N451		CS39.677				
440	N452		CS39.661				
441	N453		CS19.83				
442	N454		CS39.679				
443	N455		CS39.664				
444	N456		CS19.832				
445	N457		CS39.68				
446	N458		CS39.667				
447	N459		CS19.833				
448	N460		CS39.682				
449	N461		CS39.67				
450	N462		CS19.835				
451	N463		CS39.683				
452	N464		CS39.673				
453	N465		CS19.836				
454	N466		CS39.685				
455	N467		CS39.676				
456	N468		CS19.838				
457	N469		CS39.686				
458	N470		CS39.679				
459	N471		CS19.839				
460	N472		CS39.688				
461	N473		CS39.682				
462	N474		CS19.841				
463	N475		CS39.689				
464	N476		CS39.685				
465	N477		CS19.842				
466	N478		CS39.691				
467	N479		CS39.688				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
468	N480		CS19.844				
469	N481		CS39.692				
470	N482		CS39.691				
471	N483		CS19.845				
472	N484		CS37.357				
473	N485		CS39.694				
474	N486		CS39.694				
475	N487		CS39.694				
476	N488		CS39.694				
477	N489		CS39.694				
478	N490		CS39.694				
479	N491		CS39.694				
480	N492		CS39.694				
481	N493		CS39.694				
482	N494		CS39.694				
483	N495		CS39.694				
484	N496		CS39.694				
485	N497		CS39.694				
486	N498		CS39.694				
487	N499		CS39.694				
488	N500		CS39.694				
489	N501		CS39.694				
490	N502		CS39.694				
491	N503		CS39.694				
492	N504		CS39.694				
493	N505		CS39.694				
494	N506		CS39.694				
495	N507		CS39.694				
496	N508		CS39.694				
497	N509		CS39.694				
498	N510		CS39.694				
499	N511		CS39.694				
500	N512		CS39.694				
501	N513		CS39.694				
502	N514		CS39.694				
503	N515		CS39.694				
504	N516		CS39.694				
505	N517		CS39.694				
506	N518		CS39.694				
507	N519		CS39.694				
508	N520		CS39.694				
509	N521		CS39.694				
510	N522		CS39.694				
511	N523		CS39.694				
512	N524		CS39.694				
513	N525		CS39.694				
514	N526		CS39.694				
515	N527		CS39.694				
516	N528		CS39.694				
517	N529		CS39.694				
518	N530		CS39.694				
519	N531		CS100.592				

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
520	N532		CS50.296				
521	N533		CS100.593				
522	N534		CS50.296				
523	N535		CS100.594				
524	N536		CS50.297				
525	N537		CS100.595				
526	N538		CS50.298				
527	N539		CS100.597				
528	N540		CS50.298				
529	N541		CS80.755				
530	N542		CS100.592				
531	N543		CS100.593				
532	N544		CS100.594				
533	N545		CS100.595				
534	N546		CS100.597				
535	N547		CS80.755				
536	N548		CS100.592				
537	N549		CS100.593				
538	N550		CS100.594				
539	N551		CS100.595				
540	N552		CS100.597				
541	N553		CS80.755				
542	N554		CS91.923				
543	N555		CS91.918				
544	N556		CS91.914				
545	N557		CS91.909				
546	N558		CS91.905				
547	N559		CS80.755				
548	N560		CS100.597				
549	N561		CS50.298				
550	N562		CS100.595				
551	N563		CS50.298				
552	N564		CS100.594				
553	N565		CS50.297				
554	N566		CS100.593				
555	N567		CS50.296				
556	N568		CS100.592				
557	N569		CS50.296				
558	N570		CS80.755				
559	N571		CS100.597				
560	N572		CS100.595				
561	N573		CS100.594				
562	N574		CS100.593				
563	N575		CS100.592				
564	N576		CS80.755				
565	N577		CS100.597				
566	N578		CS100.595				
567	N579		CS100.594				
568	N580		CS100.593				
569	N581		CS100.592				
570	N582		CS91.905				
571	N583		CS91.909				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
572	N584		CS91.914				
573	N585		CS91.918				
574	N586		CS91.923				
575	N587		CS60.913				
576	N588		CS60.913				
577	N589		CS60.913				
578	N590		CS83.261				
579	N591		CS83.259				
580	N592		CS83.256				
581	N593		CS83.254				
582	N594		CS83.251				
583	N595		CS78.649				
584	N596		CS78.652				
585	N597		CS78.654				
586	N598		CS78.657				
587	N599		CS78.659				
588	N600		CS69.792				
589	N601		CS69.792				
590	N602		CS69.792				
591	N603		CS69.792				
592	N604		CS69.792				
593	N605		CS83.251				
594	N606		CS83.254				
595	N607		CS83.256				
596	N608		CS83.259				
597	N609		CS83.261				
598	N610		CS78.659				
599	N611		CS78.657				
600	N612		CS78.654				
601	N613		CS78.652				
602	N614		CS78.649				
603	N615		CS69.792				
604	N616		CS69.792				
605	N617		CS69.792				
606	N618		CS69.792				
607	N619		CS69.792				
608	N620		CS65.555				
609	N621		CS65.555				
610	N622		CS65.555				
611	N623		CS65.555				
612	N624		CS65.555				
613	N625		CS52.625				
614	N626		CS65.555				
615	N627		CS65.555				
616	N628		CS65.555				
617	N629		CS65.555				
618	N630		CS65.555				
619	N631		CS52.625				
620	N632		CS65.555				
621	N633		CS65.555				
622	N634		CS65.555				
623	N635		CS65.555				

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
624	N636		CS65.555				
625	N637		CS52.625				
626	N638		CS65.555				
627	N639		CS65.555				
628	N640		CS65.555				
629	N641		CS65.555				
630	N642		CS65.555				
631	N643		CS52.625				
632	N644		CS65.555				
633	N645		CS65.555				
634	N646		CS65.555				
635	N647		CS65.555				
636	N648		CS65.555				
637	N649		CS52.625				
638	N650		CS65.555				
639	N651		CS65.555				
640	N652		CS65.555				
641	N653		CS65.555				
642	N654		CS65.555				
643	N655		CS52.625				
644	N656		CS65.555				
645	N657		CS65.555				
646	N658		CS65.555				
647	N659		CS65.555				
648	N660		CS65.555				
649	N661		CS52.625				
650	N662		CS65.555				
651	N663		CS65.555				
652	N664		CS65.555				
653	N665		CS65.555				
654	N666		CS65.555				
655	N667		CS52.625				
656	N668		CS65.555				
657	N669		CS65.555				
658	N670		CS65.555				
659	N671		CS65.555				
660	N672		CS65.555				
661	N673		CS52.625				
662	N674		CS65.555				
663	N675		CS65.555				
664	N676		CS65.555				
665	N677		CS65.555				
666	N678		CS65.555				
667	N679		CS52.625				
668	N680		CS65.555				
669	N681		CS65.555				
670	N682		CS65.555				
671	N683		CS65.555				
672	N684		CS65.555				
673	N685		CS52.625				
674	N686		CS65.555				
675	N687		CS65.555				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
676	N688		CS65.555				
677	N689		CS65.555				
678	N690		CS65.555				
679	N691		CS52.625				
680	N692		CS65.555				
681	N693		CS65.555				
682	N694		CS65.555				
683	N695		CS65.555				
684	N696		CS65.555				
685	N697		CS52.625				
686	N698		CS65.555				
687	N699		CS65.555				
688	N700		CS65.555				
689	N701		CS65.555				
690	N702		CS65.555				
691	N703		CS52.625				
692	N704		CS65.555				
693	N705		CS65.555				
694	N706		CS65.555				
695	N707		CS65.555				
696	N708		CS65.555				
697	N709		CS52.625				
698	N710		CS65.555				
699	N711		CS65.555				
700	N712		CS65.555				
701	N713		CS65.555				
702	N714		CS65.555				
703	N715		CS52.625				
704	N716		CS65.555				
705	N717		CS65.555				
706	N718		CS65.555				
707	N719		CS65.555				
708	N720		CS65.555				
709	N721		CS52.625				
710	N722		CS65.555				
711	N723		CS65.555				
712	N724		CS65.555				
713	N725		CS65.555				
714	N726		CS65.555				
715	N727		CS52.625				
716	N728		CS65.555				
717	N729		CS65.555				
718	N730		CS65.555				
719	N731		CS65.555				
720	N732		CS65.555				
721	N733		CS52.625				
722	N734		CS65.555				
723	N735		CS65.555				
724	N736		CS65.555				
725	N737		CS65.555				
726	N738		CS65.555				
727	N739		CS52.625				

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Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
728	N740		CS65.555				
729	N741		CS65.555				
730	N742		CS65.555				
731	N743		CS65.555				
732	N744		CS65.555				
733	N745		CS52.625				
734	N746		CS65.555				
735	N747		CS65.555				
736	N748		CS65.555				
737	N749		CS65.555				
738	N750		CS65.555				
739	N751		CS52.625				
740	N752		CS65.555				
741	N753		CS65.555				
742	N754		CS65.555				
743	N755		CS65.555				
744	N756		CS65.555				
745	N757		CS52.625				
746	N758		CS61.697				
747	N759		CS61.697				
748	N760		CS61.697				
749	N761		CS61.697				
750	N762		CS61.697				
751	N763		CS52.625				
752	N764		CS65.555				
753	N765		CS65.555				
754	N766		CS65.555				
755	N767		CS65.555				
756	N768		CS65.555				
757	N769		CS52.625				
758	N770		CS65.555				
759	N771		CS65.555				
760	N772		CS65.555				
761	N773		CS65.555				
762	N774		CS65.555				
763	N775		CS52.625				
764	N776		CS65.555				
765	N777		CS65.555				
766	N778		CS65.555				
767	N779		CS65.555				
768	N780		CS65.555				
769	N781		CS52.625				
770	N782		CS65.555				
771	N783		CS65.555				
772	N784		CS65.555				
773	N785		CS65.555				
774	N786		CS65.555				
775	N787		CS52.625				
776	N788		CS65.555				
777	N789		CS65.555				
778	N790		CS65.555				
779	N791		CS65.555				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
780	N792		CS65.555				
781	N793		CS52.625				
782	N794		CS65.555				
783	N795		CS65.555				
784	N796		CS65.555				
785	N797		CS65.555				
786	N798		CS65.555				
787	N799		CS52.625				
788	N800		CS65.555				
789	N801		CS65.555				
790	N802		CS65.555				
791	N803		CS65.555				
792	N804		CS65.555				
793	N805		CS52.625				
794	N806		CS65.555				
795	N807		CS65.555				
796	N808		CS65.555				
797	N809		CS65.555				
798	N810		CS65.555				
799	N811		CS52.625				
800	N812		CS65.555				
801	N813		CS65.555				
802	N814		CS65.555				
803	N815		CS65.555				
804	N816		CS65.555				
805	N817		CS52.625				
806	N818		CS65.555				
807	N819		CS65.555				
808	N820		CS65.555				
809	N821		CS65.555				
810	N822		CS65.555				
811	N823		CS52.625				
812	N824		CS65.555				
813	N825		CS65.555				
814	N826		CS65.555				
815	N827		CS65.555				
816	N828		CS65.555				
817	N829		CS52.625				
818	N830		CS65.555				
819	N831		CS65.555				
820	N832		CS65.555				
821	N833		CS65.555				
822	N834		CS65.555				
823	N835		CS52.625				
824	N836		CS65.555				
825	N837		CS65.555				
826	N838		CS65.555				
827	N839		CS65.555				
828	N840		CS65.555				
829	N841		CS52.625				
830	N842		CS65.555				
831	N843		CS65.555				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
832	N844		CS65.555				
833	N845		CS65.555				
834	N846		CS65.555				
835	N847		CS52.625				
836	N848		CS65.555				
837	N849		CS65.555				
838	N850		CS65.555				
839	N851		CS65.555				
840	N852		CS65.555				
841	N853		CS52.625				
842	N854		CS65.555				
843	N855		CS65.555				
844	N856		CS65.555				
845	N857		CS65.555				
846	N858		CS65.555				
847	N859		CS52.625				
848	N860		CS65.555				
849	N861		CS65.555				
850	N862		CS65.555				
851	N863		CS65.555				
852	N864		CS65.555				
853	N865		CS52.625				
854	N866		CS65.555				
855	N867		CS65.555				
856	N868		CS65.555				
857	N869		CS65.555				
858	N870		CS65.555				
859	N871		CS52.625				
860	N872		CS65.555				
861	N873		CS65.555				
862	N874		CS65.555				
863	N875		CS65.555				
864	N876		CS65.555				
865	N877		CS52.625				
866	N878		CS65.555				
867	N879		CS65.555				
868	N880		CS65.555				
869	N881		CS65.555				
870	N882		CS65.555				
871	N883		CS52.625				
872	N884		CS65.555				
873	N885		CS65.555				
874	N886		CS65.555				
875	N887		CS65.555				
876	N888		CS65.555				
877	N889		CS52.625				
878	N890		CS65.555				
879	N891		CS65.555				
880	N892		CS65.555				
881	N893		CS65.555				
882	N894		CS65.555				
883	N895		CS52.625				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
884	N896		CS65.555				
885	N897		CS65.555				
886	N898		CS65.555				
887	N899		CS65.555				
888	N900		CS65.555				
889	N901		CS61.697				
890	N902		CS61.697				
891	N903		CS61.697				
892	N904		CS61.697				
893	N905		CS61.697				
894	N906		CS39.694				
895	N907		CS39.694				
896	N908		CS39.694				
897	N909		CS39.694				
898	N910		CS39.694				
899	N911		CS39.694				
900	N912		CS39.694				
901	N913		CS39.694				
902	N914		CS39.694				
903	N915		CS39.694				
904	N916		CS39.694				
905	N917		CS39.694				
906	N918		CS39.694				
907	N919		CS39.694				
908	N920		CS39.694				
909	N921		CS39.694				
910	N922		CS39.694				
911	N923		CS39.694				
912	N924		CS39.694				
913	N925		CS39.694				
914	N926		CS39.694				
915	N927		CS39.694				
916	N928		CS39.694				
917	N929		CS48.818				
918	N930		CS39.797				
919	N931		CS37.409				
920	N932		CS48.818				
921	N933		CS39.797				
922	N934		CS37.409				
923	N935		CS48.818				
924	N936		CS39.797				
925	N937		CS37.409				
926	N938		CS48.544				
927	N939		CS35.021				
928	N940		CS35.021				
929	N941		CS17.511				
930	N942		CS35.021				
931	N943		CS35.021				
932	N944		CS17.511				
933	N945		CS35.021				
934	N946		CS35.021				
935	N947		CS17.511				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
936	N948		CS42.719				
937	N949		CS35.021				
938	N950		CS35.021				
939	N951		CS35.021				
940	N952		CS39.769				
941	N953		CS37.23				
942	N954		CS39.769				
943	N955		CS37.23				
944	N956		CS39.769				
945	N957		CS37.23				
946	N958		CS37.23				
947	N959		CS37.23				
948	N960		CS37.23				
949	N961		CS37.23				
950	N962		CS43.824				
951	N963		CS18.615				
952	N964		CS37.23				
953	N965		CS18.615				
954	N966		CS37.23				
955	N967		CS18.615				
956	N968		CS18.615				
957	N969		CS51.897				
958	N970		CS42.307				
959	N971		CS49.799				
960	N972		CS51.897				
961	N973		CS42.307				
962	N974		CS51.897				
963	N975		CS42.307				
964	N976		CS21.154				
965	N977		CS57.292				
966	N978		CS50.417				
967	N979		CS46.429				
968	N980		CS57.838				
969	N981		CS57.838				
970	N982		CS57.838				
971	N983		CS57.838				
972	N984		CS57.838				
973	N985		CS46.429				
974	N986		CS57.838				
975	N987		CS57.838				
976	N988		CS57.838				
977	N989		CS57.838				
978	N990		CS57.838				
979	N991		CS46.429				
980	N992		CS57.838				
981	N993		CS57.838				
982	N994		CS57.838				
983	N995		CS57.838				
984	N996		CS57.838				
985	N997		CS70.551				
986	N998		CS70.551				
987	N999		CS70.551				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
988	N1000		CS70.551				
989	N1001		CS70.551				
990	N1002		CS48.818				
991	N1003		CS57.838				
992	N1004		CS57.838				
993	N1005		CS57.838				
994	N1006		CS57.838				
995	N1007		CS57.838				
996	N1008		CS46.429				
997	N1009		CS48.818				
998	N1010		CS57.838				
999	N1011		CS57.838				
1000	N1012		CS57.838				
1001	N1013		CS57.838				
1002	N1014		CS57.838				
1003	N1015		CS46.429				
1004	N1016		CS48.818				
1005	N1017		CS57.838				
1006	N1018		CS57.838				
1007	N1019		CS57.838				
1008	N1020		CS57.838				
1009	N1021		CS57.838				
1010	N1022		CS46.429				
1011	N1023		CS70.551				
1012	N1024		CS70.551				
1013	N1025		CS70.551				
1014	N1026		CS70.551				
1015	N1027		CS70.551				
1016	N1028		CS49.364				
1017	N1029		CS61.493				
1018	N1030		CS72.378				
1019	N1031		CS61.492				
1020	N1032		CS72.378				
1021	N1033		CS61.49				
1022	N1034		CS72.377				
1023	N1035		CS61.489				
1024	N1036		CS72.377				
1025	N1037		CS61.488				
1026	N1038		CS72.376				
1027	N1039		CS49.364				
1028	N1040		CS61.493				
1029	N1041		CS61.492				
1030	N1042		CS61.49				
1031	N1043		CS61.489				
1032	N1044		CS61.488				
1033	N1045		CS49.364				
1034	N1046		CS61.493				
1035	N1047		CS61.492				
1036	N1048		CS61.49				
1037	N1049		CS61.489				
1038	N1050		CS61.488				
1039	N1051		CS30.746				

Company : Tower Engineering Professionals
Designer : anhowe
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Model Name : North Canaan CT (17226430)

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Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1040	N1052		CS30.746				
1041	N1053		CS30.745				
1042	N1054		CS30.745				
1043	N1055		CS30.744				
1044	N1056		CS51.897				
1045	N1057		CS61.488				
1046	N1058		CS72.376				
1047	N1059		CS61.489				
1048	N1060		CS72.377				
1049	N1061		CS61.49				
1050	N1062		CS72.377				
1051	N1063		CS61.492				
1052	N1064		CS72.378				
1053	N1065		CS61.493				
1054	N1066		CS72.378				
1055	N1067		CS49.364				
1056	N1068		CS51.897				
1057	N1069		CS61.488				
1058	N1070		CS61.489				
1059	N1071		CS61.49				
1060	N1072		CS61.492				
1061	N1073		CS61.493				
1062	N1074		CS49.364				
1063	N1075		CS51.897				
1064	N1076		CS61.488				
1065	N1077		CS61.489				
1066	N1078		CS61.49				
1067	N1079		CS61.492				
1068	N1080		CS61.493				
1069	N1081		CS49.364				
1070	N1082		CS30.744				
1071	N1083		CS30.745				
1072	N1084		CS30.745				
1073	N1085		CS30.746				
1074	N1086		CS30.746				
1075	N1087		CS83.264				
1076	N1088		CS83.264				
1077	N1089		CS83.264				
1078	N1090		CS83.264				
1079	N1091		CS83.264				
1080	N1092		CS83.264				
1081	N1093		CS83.264				
1082	N1094		CS83.264				
1083	N1095		CS83.264				
1084	N1096		CS83.264				
1085	N1097		CS37.235				
1086	N1098		CS37.235				
1087	N1099		CS37.235				
1088	N1100		CS35.02				
1089	N1101		CS35.02				
1090	N1102		CS35.02				
1091	N1103		CS17.511				

Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1092	N1104		CS35.021				
1093	N1105		CS35.021				
1094	N1106		CS17.511				
1095	N1107		CS35.021				
1096	N1108		CS35.021				
1097	N1109		CS17.511				
1098	N1110		CS35.021				
1099	N1111		CS35.021				
1100	N1112		CS42.719				
1101	N1113		CS37.409				
1102	N1114		CS39.797				
1103	N1115		CS37.409				
1104	N1116		CS39.797				
1105	N1117		CS37.409				
1106	N1118		CS39.797				
1107	N1119		CS48.544				
1108	N1120		CS18.615				
1109	N1121		CS37.23				
1110	N1122		CS43.824				
1111	N1123		CS37.23				
1112	N1124		CS18.615				
1113	N1125		CS37.23				
1114	N1126		CS37.23				
1115	N1127		CS18.615				
1116	N1128		CS37.23				
1117	N1129		CS37.23				
1118	N1130		CS18.615				
1119	N1131		CS39.769				
1120	N1132		CS42.307				
1121	N1133		CS49.799				
1122	N1134		CS39.769				
1123	N1135		CS42.307				
1124	N1136		CS39.769				
1125	N1137		CS42.307				
1126	N1138		CS21.154				
1127	N1139		CS50.417				
1128	N1140		CS57.292				
1129	N1141		CS35.021				
1130	N1142		CS35.021				
1131	N1143		CS35.021				
1132	N1144		CS37.23				
1133	N1145		CS37.23				
1134	N1146		CS37.23				
1135	N32	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
1136	N29	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
1137	N26	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
1138	N23	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
1139	N34	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
1140	N31	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
1141	N25	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
1142	N28	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
1143	N33	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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Joint Boundary Conditions (Continued)

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1144	N30	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
1145	N24	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
1146	N27	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface(Plat...
1	Dead	DL		-1		6				
2	Wind 0	WL				18				
3	Wind 30	WL				18				
4	Wind 60	WL				18				
5	Wind 90	WL				18				
6	Wind 120	WL				18				
7	Wind 150	WL				18				
8	Prestress	None						12		

Load Combinations

	Description	Solve	PDe..	SRSS	B..	Fa..	BLC	Fa..	B..	Fa..	B..	Fa..	B..	Fa..	B..	Fa..	B..	Fa..	B..	Fa..	B..	Fa..	B..	Fa..
1	1.2D+1.0 Wind 0	Yes	Y		1	1.2	2	1	8	1														
2	1.2D+1.0 Wind 30	Yes	Y		1	1.2	3	1	8	1														
3	1.2D+1.0 Wind 60	Yes	Y		1	1.2	4	1	8	1														
4	1.2D+1.0 Wind 90	Yes	Y		1	1.2	5	1	8	1														
5	1.2D+1.0 Wind120	Yes	Y		1	1.2	6	1	8	1														
6	1.2D+1.0 Wind 150	Yes	Y		1	1.2	7	1	8	1														
7	1.2D+1.0 Wind 180	Yes	Y		1	1.2	2	-1	8	1														
8	1.2D+1.0 Wind 210	Yes	Y		1	1.2	3	-1	8	1														
9	1.2D+1.0 Wind 240	Yes	Y		1	1.2	4	-1	8	1														
10	1.2D+1.0 Wind 270	Yes	Y		1	1.2	5	-1	8	1														
11	1.2D+1.0 Wind 300	Yes	Y		1	1.2	6	-1	8	1														
12	1.2D+1.0 Wind 330	Yes	Y		1	1.2	7	-1	8	1														
13	0.9D+1.0 Wind 0	Yes	Y		1	.9	2	1	8	1														
14	0.9D+1.0 Wind 30	Yes	Y		1	.9	3	1	8	1														
15	0.9D+1.0 Wind 60	Yes	Y		1	.9	4	1	8	1														
16	0.9D+1.0 Wind 90	Yes	Y		1	.9	5	1	8	1														
17	0.9D+1.0 Wind120	Yes	Y		1	.9	6	1	8	1														
18	0.9D+1.0 Wind 150	Yes	Y		1	.9	7	1	8	1														
19	0.9D+1.0 Wind 180	Yes	Y		1	.9	2	-1	8	1														
20	0.9D+1.0 Wind 210	Yes	Y		1	.9	3	-1	8	1														
21	0.9D+1.0 Wind 240	Yes	Y		1	.9	4	-1	8	1														
22	0.9D+1.0 Wind 270	Yes	Y		1	.9	5	-1	8	1														
23	0.9D+1.0 Wind 300	Yes	Y		1	.9	6	-1	8	1														
24	0.9D+1.0 Wind 330	Yes	Y		1	.9	7	-1	8	1														
25	Prestress		Y		8	1																		

Joint Loads and Enforced Displacements (BLC 1 : Dead)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	IT_1	L	Y	-12.77
2	IT_2	L	Y	-12.77

Joint Loads and Enforced Displacements (BLC 1 : Dead) (Continued)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
3	IT_3	L	Y	-12.77
4	OT_1	L	Y	-21.39
5	OT_2	L	Y	-21.39
6	OT_3	L	Y	-21.39

Joint Loads and Enforced Displacements (BLC 2 : Wind 0)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	IT_1	L	Z	10
2	IT_2	L	Z	10
3	IT_3	L	Z	10
4	IT_1	L	X	0
5	IT_2	L	X	0
6	IT_3	L	X	0
7	IT_1	L	Y	105.52
8	IT_2	L	Y	-52.76
9	IT_3	L	Y	-52.76
10	OT_2	L	Z	19
11	OT_3	L	Z	19
12	OT_1	L	Z	19
13	OT_2	L	X	0
14	OT_3	L	X	0
15	OT_1	L	X	0
16	OT_1	L	Y	273.93
17	OT_2	L	Y	-136.97
18	OT_3	L	Y	-136.97

Joint Loads and Enforced Displacements (BLC 3 : Wind 30)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	IT_1	L	Z	8.66
2	IT_2	L	Z	8.66
3	IT_3	L	Z	8.66
4	IT_1	L	X	-5
5	IT_2	L	X	-5
6	IT_3	L	X	-5
7	IT_1	L	Y	91.38
8	IT_2	L	Y	0
9	IT_3	L	Y	-91.38
10	OT_2	L	Z	16.45
11	OT_3	L	Z	16.45
12	OT_1	L	Z	16.45
13	OT_2	L	X	-9.5
14	OT_3	L	X	-9.5
15	OT_1	L	X	-9.5
16	OT_1	L	Y	237.23
17	OT_2	L	Y	0
18	OT_3	L	Y	-237.23

Joint Loads and Enforced Displacements (BLC 4 : Wind 60)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	IT_1	L	Z	5

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Designer : anhowe
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Joint Loads and Enforced Displacements (BLC 4 : Wind 60) (Continued)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
2	IT_2	L	Z	5
3	IT_3	L	Z	5
4	IT_1	L	X	-8.66
5	IT_2	L	X	-8.66
6	IT_3	L	X	-8.66
7	IT_1	L	Y	52.76
8	IT_2	L	Y	52.76
9	IT_3	L	Y	-105.52
10	OT_2	L	Z	9.5
11	OT_3	L	Z	9.5
12	OT_1	L	Z	9.5
13	OT_2	L	X	-16.45
14	OT_3	L	X	-16.45
15	OT_1	L	X	-16.45
16	OT_1	L	Y	136.97
17	OT_2	L	Y	136.97
18	OT_3	L	Y	-273.93

Joint Loads and Enforced Displacements (BLC 5 : Wind 90)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	IT_1	L	Z	0
2	IT_2	L	Z	0
3	IT_3	L	Z	0
4	IT_1	L	X	-10
5	IT_2	L	X	-10
6	IT_3	L	X	-10
7	IT_1	L	Y	0
8	IT_2	L	Y	91.38
9	IT_3	L	Y	-91.38
10	OT_2	L	Z	0
11	OT_3	L	Z	0
12	OT_1	L	Z	0
13	OT_2	L	X	-19
14	OT_3	L	X	-19
15	OT_1	L	X	-19
16	OT_1	L	Y	0
17	OT_2	L	Y	237.23
18	OT_3	L	Y	-237.23

Joint Loads and Enforced Displacements (BLC 6 : Wind 120)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	IT_1	L	Z	-5
2	IT_2	L	Z	-5
3	IT_3	L	Z	-5
4	IT_1	L	X	-8.66
5	IT_2	L	X	-8.66
6	IT_3	L	X	-8.66
7	IT_1	L	Y	-52.76
8	IT_2	L	Y	105.52
9	IT_3	L	Y	-52.76
10	OT_2	L	Z	-9.5

Joint Loads and Enforced Displacements (BLC 6 : Wind 120) (Continued)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
11	OT_3	L	Z	-9.5
12	OT_1	L	Z	-9.5
13	OT_2	L	X	-16.45
14	OT_3	L	X	-16.45
15	OT_1	L	X	-16.45
16	OT_1	L	Y	-136.97
17	OT_2	L	Y	273.93
18	OT_3	L	Y	-136.97

Joint Loads and Enforced Displacements (BLC 7 : Wind 150)

	Joint Label	L,D,M	Direction	Magnitude[(k,k-ft), (in,rad), (k*s^2/ft, k*s^2*ft)]
1	IT_1	L	Z	-8.66
2	IT_2	L	Z	-8.66
3	IT_3	L	Z	-8.66
4	IT_1	L	X	-5
5	IT_2	L	X	-5
6	IT_3	L	X	-5
7	IT_1	L	Y	-91.38
8	IT_2	L	Y	91.38
9	IT_3	L	Y	0
10	OT_2	L	Z	-16.45
11	OT_3	L	Z	-16.45
12	OT_1	L	Z	-16.45
13	OT_2	L	X	-9.5
14	OT_3	L	X	-9.5
15	OT_1	L	X	-9.5
16	OT_1	L	Y	-237.23
17	OT_2	L	Y	237.23
18	OT_3	L	Y	0

Member Point Loads

Member Label	Direction	Magnitude[k,k-ft]	Location[ft,%]
No Data to Print ...			

Member Distributed Loads (BLC 8 : Prestress)

	Member Label	Direction	Start Magnitude[k/ft,F,ksf]	End Magnitude[k/ft,F,...	Start Location[f...	End Location[ft,...
1	M1	T	-463	-463	0	%100
2	M2	T	-463	-463	0	%100
3	M3	T	-463	-463	0	%100
4	M4	T	-463	-463	0	%100
5	M5	T	-463	-463	0	%100
6	M6	T	-463	-463	0	%100
7	M7	T	-463	-463	0	%100
8	M8	T	-463	-463	0	%100
9	M9	T	-463	-463	0	%100
10	M10	T	-463	-463	0	%100
11	M11	T	-463	-463	0	%100
12	M12	T	-463	-463	0	%100

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

Feb 23, 2024
9:32 AM
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Plate Surface Loads

Plate Label	Direction	Magnitude[ksf,F]
No Data to Print ...		

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	N1	max	17.855	4	.391	6	19.59	7	0	24	0	24	0	24
2		min	-17.855	10	.053	24	-19.604	1	0	1	0	1	0	1
3	N2	max	21.281	4	2.126	3	19.593	7	0	24	0	24	0	24
4		min	-21.282	10	.412	21	-19.606	1	0	1	0	1	0	1
5	N3	max	21.281	4	2.184	11	19.593	7	0	24	0	24	0	24
6		min	-21.282	10	.424	17	-19.607	1	0	1	0	1	0	1
7	N4	max	17.855	4	.392	8	19.591	7	0	24	0	24	0	24
8		min	-17.855	10	.057	14	-19.605	1	0	1	0	1	0	1
9	OT_3	max	0	24	5.553	3	0	24	0	24	0	24	0	24
10		min	0	1	1.108	21	0	1	0	1	0	1	0	1
11	OT_2	max	0	24	5.706	11	0	24	0	24	0	24	0	24
12		min	0	1	1.139	17	0	1	0	1	0	1	0	1
13	OT_1	max	0	24	3.76	7	0	24	0	24	0	24	0	24
14		min	0	1	.595	13	0	1	0	1	0	1	0	1
15	IT_1	max	0	24	2.233	7	0	24	0	24	0	24	0	24
16		min	0	1	.516	13	0	1	0	1	0	1	0	1
17	IT_3	max	0	24	4.941	3	0	24	0	24	0	24	0	24
18		min	0	1	1.22	21	0	1	0	1	0	1	0	1
19	IT_2	max	0	24	5.054	11	0	24	0	24	0	24	0	24
20		min	0	1	1.241	17	0	1	0	1	0	1	0	1
21	RC_2	max	0	24	5.074	3	0	24	0	24	0	24	0	24
22		min	0	1	1.173	21	0	1	0	1	0	1	0	1
23	RB_2	max	0	24	5.356	11	0	24	0	24	0	24	0	24
24		min	0	1	1.139	17	0	1	0	1	0	1	0	1
25	RA_2	max	0	24	4.376	7	0	24	0	24	0	24	0	24
26		min	0	1	.77	13	0	1	0	1	0	1	0	1
27	RC_3	max	0	24	6.352	3	0	24	0	24	0	24	0	24
28		min	0	1	1.465	21	0	1	0	1	0	1	0	1
29	RB_3	max	0	24	6.701	11	0	24	0	24	0	24	0	24
30		min	0	1	1.424	17	0	1	0	1	0	1	0	1
31	RA_3	max	0	24	3.942	7	0	24	0	24	0	24	0	24
32		min	0	1	.807	13	0	1	0	1	0	1	0	1
33	RC_1	max	0	24	10.719	3	0	24	0	24	0	24	0	24
34		min	0	1	2.282	21	0	1	0	1	0	1	0	1
35	RB_1	max	0	24	5.205	11	0	24	0	24	0	24	0	24
36		min	0	1	1.199	17	0	1	0	1	0	1	0	1
37	RA_1	max	0	24	4.375	7	0	24	0	24	0	24	0	24
38		min	0	1	.769	13	0	1	0	1	0	1	0	1
39	RC_4	max	0	24	12.411	3	0	24	0	24	0	24	0	24
40		min	0	1	2.639	21	0	1	0	1	0	1	0	1
41	RB_4	max	0	24	6.507	11	0	24	0	24	0	24	0	24
42		min	0	1	1.495	17	0	1	0	1	0	1	0	1
43	RA_4	max	0	24	3.942	7	0	24	0	24	0	24	0	24
44		min	0	1	.805	13	0	1	0	1	0	1	0	1
45	N35	max	0	24	3.922	3	0	24	0	24	0	24	0	24

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
46		min	0	1	.816	21	0	1	0	1	0	1	0	1
47	N36	max	0	24	9.845	3	0	24	0	24	0	24	0	24
48		min	0	1	1.919	21	0	1	0	1	0	1	0	1
49	N37	max	0	24	3.823	3	0	24	0	24	0	24	0	24
50		min	0	1	.86	21	0	1	0	1	0	1	0	1
51	N38	max	0	24	8.743	3	0	24	0	24	0	24	0	24
52		min	0	1	1.695	21	0	1	0	1	0	1	0	1
53	N39	max	0	24	5.547	3	0	24	0	24	0	24	0	24
54		min	0	1	1.249	21	0	1	0	1	0	1	0	1
55	N40	max	0	24	5.699	3	0	24	0	24	0	24	0	24
56		min	0	1	1.183	21	0	1	0	1	0	1	0	1
57	N41	max	0	24	4.96	3	0	24	0	24	0	24	0	24
58		min	0	1	1.071	21	0	1	0	1	0	1	0	1
59	N42	max	0	24	6.217	3	0	24	0	24	0	24	0	24
60		min	0	1	1.344	21	0	1	0	1	0	1	0	1
61	N43	max	0	24	5.861	11	0	24	0	24	0	24	0	24
62		min	0	1	1.215	17	0	1	0	1	0	1	0	1
63	N44	max	0	24	4.823	7	0	24	0	24	0	24	0	24
64		min	0	1	.88	13	0	1	0	1	0	1	0	1
65	N45	max	0	24	5.692	11	0	24	0	24	0	24	0	24
66		min	0	1	1.277	17	0	1	0	1	0	1	0	1
67	N46	max	0	24	4.823	7	0	24	0	24	0	24	0	24
68		min	0	1	.878	13	0	1	0	1	0	1	0	1
69	N47	max	0	24	5.096	11	0	24	0	24	0	24	0	24
70		min	0	1	1.098	17	0	1	0	1	0	1	0	1
71	N48	max	0	24	3.297	7	0	24	0	24	0	24	0	24
72		min	0	1	.552	13	0	1	0	1	0	1	0	1
73	N49	max	0	24	6.379	11	0	24	0	24	0	24	0	24
74		min	0	1	1.376	17	0	1	0	1	0	1	0	1
75	N50	max	0	24	2.969	7	0	24	0	24	0	24	0	24
76		min	0	1	.579	13	0	1	0	1	0	1	0	1
77	N51	max	0	24	4.011	11	0	24	0	24	0	24	0	24
78		min	0	1	.833	17	0	1	0	1	0	1	0	1
79	N52	max	0	24	3.903	11	0	24	0	24	0	24	0	24
80		min	0	1	.875	17	0	1	0	1	0	1	0	1
81	N53	max	0	24	2.873	11	0	24	0	24	0	24	0	24
82		min	0	1	.554	17	0	1	0	1	0	1	0	1
83	N54	max	0	24	3.604	11	0	24	0	24	0	24	0	24
84		min	0	1	.701	17	0	1	0	1	0	1	0	1
85	N55	max	0	24	2.306	6	0	24	0	24	0	24	0	24
86		min	0	1	.727	24	0	1	0	1	0	1	0	1
87	N56	max	0	24	2.315	8	0	24	0	24	0	24	0	24
88		min	0	1	.746	14	0	1	0	1	0	1	0	1
89	N57	max	0	24	5.741	3	0	24	0	24	0	24	0	24
90		min	0	1	1.45	21	0	1	0	1	0	1	0	1
91	N58	max	0	24	5.874	11	0	24	0	24	0	24	0	24
92		min	0	1	1.475	17	0	1	0	1	0	1	0	1
93	N59	max	0	24	6.293	3	0	24	0	24	0	24	0	24
94		min	0	1	1.597	21	0	1	0	1	0	1	0	1
95	N60	max	0	24	6.439	11	0	24	0	24	0	24	0	24
96		min	0	1	1.624	17	0	1	0	1	0	1	0	1
97	N61	max	0	24	7.167	3	0	24	0	24	0	24	0	24

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
98		min	0	1	1.82	21	0	1	0	1	0	1	0	1
99	N62	max	0	24	7.333	11	0	24	0	24	0	24	0	24
100		min	0	1	1.85	17	0	1	0	1	0	1	0	1
101	N63	max	0	24	4.418	3	0	24	0	24	0	24	0	24
102		min	0	1	1.106	21	0	1	0	1	0	1	0	1
103	N64	max	0	24	4.513	11	0	24	0	24	0	24	0	24
104		min	0	1	1.122	17	0	1	0	1	0	1	0	1
105	N65	max	0	24	1.013	7	0	24	0	24	0	24	0	24
106		min	0	1	.125	13	0	1	0	1	0	1	0	1
107	N66	max	0	24	.861	7	0	24	0	24	0	24	0	24
108		min	0	1	.119	13	0	1	0	1	0	1	0	1
109	N67	max	0	24	.859	7	0	24	0	24	0	24	0	24
110		min	0	1	.115	13	0	1	0	1	0	1	0	1
111	N68	max	0	24	1.015	7	0	24	0	24	0	24	0	24
112		min	0	1	.129	13	0	1	0	1	0	1	0	1
113	N69	max	0	24	.903	7	0	24	0	24	0	24	0	24
114		min	0	1	.116	13	0	1	0	1	0	1	0	1
115	N70	max	0	24	.904	7	0	24	0	24	0	24	0	24
116		min	0	1	.119	13	0	1	0	1	0	1	0	1
117	N71	max	0	24	1.475	7	0	24	0	24	0	24	0	24
118		min	0	1	.173	13	0	1	0	1	0	1	0	1
119	N72	max	0	24	1.477	7	0	24	0	24	0	24	0	24
120		min	0	1	.176	13	0	1	0	1	0	1	0	1
121	N73	max	0	24	4.282	3	0	24	0	24	0	24	0	24
122		min	0	1	.979	21	0	1	0	1	0	1	0	1
123	N74	max	0	24	4.52	11	0	24	0	24	0	24	0	24
124		min	0	1	.945	17	0	1	0	1	0	1	0	1
125	N75	max	0	24	4.402	3	0	24	0	24	0	24	0	24
126		min	0	1	.922	21	0	1	0	1	0	1	0	1
127	N76	max	0	24	4.392	11	0	24	0	24	0	24	0	24
128		min	0	1	1.001	17	0	1	0	1	0	1	0	1
129	N77	max	0	24	2.385	3	0	24	0	24	0	24	0	24
130		min	0	1	.457	21	0	1	0	1	0	1	0	1
131	N78	max	0	24	4.213	3	0	24	0	24	0	24	0	24
132		min	0	1	.923	21	0	1	0	1	0	1	0	1
133	N79	max	0	24	4.327	11	0	24	0	24	0	24	0	24
134		min	0	1	.945	17	0	1	0	1	0	1	0	1
135	N80	max	0	24	2.448	11	0	24	0	24	0	24	0	24
136		min	0	1	.489	17	0	1	0	1	0	1	0	1
137	N81	max	0	24	.715	5	0	24	0	24	0	24	0	24
138		min	0	1	.209	23	0	1	0	1	0	1	0	1
139	N82	max	0	24	.723	9	0	24	0	24	0	24	0	24
140		min	0	1	.217	15	0	1	0	1	0	1	0	1
141	N83	max	0	24	1.651	6	0	24	0	24	0	24	0	24
142		min	0	1	.543	24	0	1	0	1	0	1	0	1
143	N84	max	0	24	1.49	9	0	24	0	24	0	24	0	24
144		min	0	1	.491	15	0	1	0	1	0	1	0	1
145	N85	max	0	24	1.476	5	0	24	0	24	0	24	0	24
146		min	0	1	.475	23	0	1	0	1	0	1	0	1
147	N86	max	0	24	1.66	8	0	24	0	24	0	24	0	24
148		min	0	1	.56	14	0	1	0	1	0	1	0	1
149	N87	max	0	24	1.499	6	0	24	0	24	0	24	0	24

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
150		min	0	1	.503	24	0	1	0	1	0	1	0	1
151	N88	max	0	24	1.511	9	0	24	0	24	0	24	0	24
152		min	0	1	.518	15	0	1	0	1	0	1	0	1
153	N89	max	0	24	2.851	6	0	24	0	24	0	24	0	24
154		min	0	1	.709	24	0	1	0	1	0	1	0	1
155	N90	max	0	24	2.856	8	0	24	0	24	0	24	0	24
156		min	0	1	.727	14	0	1	0	1	0	1	0	1
157	N91	max	0	24	.805	6	0	24	0	24	0	24	0	24
158		min	0	1	.215	24	0	1	0	1	0	1	0	1
159	N92	max	0	24	.81	8	0	24	0	24	0	24	0	24
160		min	0	1	.225	14	0	1	0	1	0	1	0	1
161	N93	max	0	24	2.009	6	0	24	0	24	0	24	0	24
162		min	0	1	.51	24	0	1	0	1	0	1	0	1
163	N94	max	0	24	1.752	8	0	24	0	24	0	24	0	24
164		min	0	1	.471	14	0	1	0	1	0	1	0	1
165	N95	max	0	24	1.744	6	0	24	0	24	0	24	0	24
166		min	0	1	.454	24	0	1	0	1	0	1	0	1
167	N96	max	0	24	2.015	8	0	24	0	24	0	24	0	24
168		min	0	1	.526	14	0	1	0	1	0	1	0	1
169	N97	max	0	24	1.812	6	0	24	0	24	0	24	0	24
170		min	0	1	.466	24	0	1	0	1	0	1	0	1
171	N98	max	0	24	1.819	8	0	24	0	24	0	24	0	24
172		min	0	1	.482	14	0	1	0	1	0	1	0	1
173	N99	max	0	24	3.475	7	0	24	0	24	0	24	0	24
174		min	0	1	.777	13	0	1	0	1	0	1	0	1
175	N100	max	0	24	3.482	7	0	24	0	24	0	24	0	24
176		min	0	1	.794	13	0	1	0	1	0	1	0	1
177	N101	max	0	24	.968	6	0	24	0	24	0	24	0	24
178		min	0	1	.23	24	0	1	0	1	0	1	0	1
179	N102	max	0	24	.973	8	0	24	0	24	0	24	0	24
180		min	0	1	.241	14	0	1	0	1	0	1	0	1
181	N103	max	0	24	2.431	6	0	24	0	24	0	24	0	24
182		min	0	1	.56	24	0	1	0	1	0	1	0	1
183	N104	max	0	24	2.112	8	0	24	0	24	0	24	0	24
184		min	0	1	.511	14	0	1	0	1	0	1	0	1
185	N105	max	0	24	2.104	6	0	24	0	24	0	24	0	24
186		min	0	1	.492	24	0	1	0	1	0	1	0	1
187	N106	max	0	24	2.437	8	0	24	0	24	0	24	0	24
188		min	0	1	.578	14	0	1	0	1	0	1	0	1
189	N107	max	0	24	2.189	6	0	24	0	24	0	24	0	24
190		min	0	1	.508	24	0	1	0	1	0	1	0	1
191	N108	max	0	24	2.196	8	0	24	0	24	0	24	0	24
192		min	0	1	.526	14	0	1	0	1	0	1	0	1
193	N109	max	0	24	3.135	7	0	24	0	24	0	24	0	24
194		min	0	1	.608	13	0	1	0	1	0	1	0	1
195	N110	max	0	24	3.14	7	0	24	0	24	0	24	0	24
196		min	0	1	.621	13	0	1	0	1	0	1	0	1
197	N111	max	0	24	.859	6	0	24	0	24	0	24	0	24
198		min	0	1	.18	24	0	1	0	1	0	1	0	1
199	N112	max	0	24	.863	8	0	24	0	24	0	24	0	24
200		min	0	1	.189	14	0	1	0	1	0	1	0	1
201	N113	max	0	24	2.168	6	0	24	0	24	0	24	0	24

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

Feb 23, 2024
9:32 AM
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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
202		min	0	1	.451	24	0	1	0	1	0	1	0	1
203	N114	max	0	24	1.877	8	0	24	0	24	0	24	0	24
204		min	0	1	.407	14	0	1	0	1	0	1	0	1
205	N115	max	0	24	1.872	6	0	24	0	24	0	24	0	24
206		min	0	1	.391	24	0	1	0	1	0	1	0	1
207	N116	max	0	24	2.172	8	0	24	0	24	0	24	0	24
208		min	0	1	.465	14	0	1	0	1	0	1	0	1
209	N117	max	0	24	1.95	6	0	24	0	24	0	24	0	24
210		min	0	1	.406	24	0	1	0	1	0	1	0	1
211	N118	max	0	24	1.954	8	0	24	0	24	0	24	0	24
212		min	0	1	.421	14	0	1	0	1	0	1	0	1
213	N119	max	0	24	2.908	7	0	24	0	24	0	24	0	24
214		min	0	1	.716	13	0	1	0	1	0	1	0	1
215	N120	max	0	24	2.907	7	0	24	0	24	0	24	0	24
216		min	0	1	.715	13	0	1	0	1	0	1	0	1
217	N121	max	0	24	2.001	7	0	24	0	24	0	24	0	24
218		min	0	1	.259	13	0	1	0	1	0	1	0	1
219	N122	max	0	24	2.001	7	0	24	0	24	0	24	0	24
220		min	0	1	.259	13	0	1	0	1	0	1	0	1
221	N123	max	0	24	1.517	7	0	24	0	24	0	24	0	24
222		min	0	1	.197	13	0	1	0	1	0	1	0	1
223	N124	max	0	24	2.039	1	0	24	0	24	0	24	0	24
224		min	0	1	1.128	19	0	1	0	1	0	1	0	1
225	N125	max	0	24	2.717	1	0	24	0	24	0	24	0	24
226		min	0	1	1.501	19	0	1	0	1	0	1	0	1
227	N126	max	0	24	2.711	1	0	24	0	24	0	24	0	24
228		min	0	1	1.498	19	0	1	0	1	0	1	0	1
229	N127	max	0	24	2.395	1	0	24	0	24	0	24	0	24
230		min	0	1	1.276	19	0	1	0	1	0	1	0	1
231	N128	max	0	24	3.192	1	0	24	0	24	0	24	0	24
232		min	0	1	1.698	19	0	1	0	1	0	1	0	1
233	N129	max	0	24	3.184	1	0	24	0	24	0	24	0	24
234		min	0	1	1.695	19	0	1	0	1	0	1	0	1
235	N130	max	0	24	2.649	1	0	24	0	24	0	24	0	24
236		min	0	1	1.358	19	0	1	0	1	0	1	0	1
237	N131	max	0	24	3.531	1	0	24	0	24	0	24	0	24
238		min	0	1	1.808	19	0	1	0	1	0	1	0	1
239	N132	max	0	24	3.522	1	0	24	0	24	0	24	0	24
240		min	0	1	1.804	19	0	1	0	1	0	1	0	1
241	N133	max	0	24	3.051	1	0	24	0	24	0	24	0	24
242		min	0	1	1.51	19	0	1	0	1	0	1	0	1
243	N134	max	0	24	4.066	1	0	24	0	24	0	24	0	24
244		min	0	1	2.011	19	0	1	0	1	0	1	0	1
245	N135	max	0	24	4.056	1	0	24	0	24	0	24	0	24
246		min	0	1	2.006	19	0	1	0	1	0	1	0	1
247	N136	max	0	24	1.988	1	0	24	0	24	0	24	0	24
248		min	0	1	.855	19	0	1	0	1	0	1	0	1
249	N137	max	0	24	2.649	1	0	24	0	24	0	24	0	24
250		min	0	1	1.14	19	0	1	0	1	0	1	0	1
251	N138	max	0	24	2.643	1	0	24	0	24	0	24	0	24
252		min	0	1	1.138	19	0	1	0	1	0	1	0	1
253	N139	max	0	24	5.65	11	0	24	0	24	0	24	0	24

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
254		min	0	1	1.348	17	0	1	0	1	0	1	0	1
255	N140	max	0	24	6.423	11	0	24	0	24	0	24	0	24
256		min	0	1	1.53	17	0	1	0	1	0	1	0	1
257	N141	max	0	24	5.139	11	0	24	0	24	0	24	0	24
258		min	0	1	1.221	17	0	1	0	1	0	1	0	1
259	N142	max	0	24	6.084	11	0	24	0	24	0	24	0	24
260		min	0	1	1.228	17	0	1	0	1	0	1	0	1
261	N143	max	0	24	6.926	11	0	24	0	24	0	24	0	24
262		min	0	1	1.399	17	0	1	0	1	0	1	0	1
263	N144	max	0	24	3.16	11	0	24	0	24	0	24	0	24
264		min	0	1	.613	17	0	1	0	1	0	1	0	1
265	N145	max	0	24	5.525	11	0	24	0	24	0	24	0	24
266		min	0	1	1.11	17	0	1	0	1	0	1	0	1
267	N146	max	0	24	7.607	11	0	24	0	24	0	24	0	24
268		min	0	1	1.711	17	0	1	0	1	0	1	0	1
269	N147	max	0	24	7.479	11	0	24	0	24	0	24	0	24
270		min	0	1	1.616	17	0	1	0	1	0	1	0	1
271	N148	max	0	24	3.834	11	0	24	0	24	0	24	0	24
272		min	0	1	.826	17	0	1	0	1	0	1	0	1
273	N149	max	0	24	7.829	11	0	24	0	24	0	24	0	24
274		min	0	1	1.63	17	0	1	0	1	0	1	0	1
275	N150	max	0	24	7.425	11	0	24	0	24	0	24	0	24
276		min	0	1	1.676	17	0	1	0	1	0	1	0	1
277	N151	max	0	24	7.305	11	0	24	0	24	0	24	0	24
278		min	0	1	1.584	17	0	1	0	1	0	1	0	1
279	N152	max	0	24	7.649	11	0	24	0	24	0	24	0	24
280		min	0	1	1.597	17	0	1	0	1	0	1	0	1
281	N153	max	0	24	7.252	11	0	24	0	24	0	24	0	24
282		min	0	1	1.641	17	0	1	0	1	0	1	0	1
283	N154	max	0	24	7.149	11	0	24	0	24	0	24	0	24
284		min	0	1	1.558	17	0	1	0	1	0	1	0	1
285	N155	max	0	24	7.474	11	0	24	0	24	0	24	0	24
286		min	0	1	1.564	17	0	1	0	1	0	1	0	1
287	N156	max	0	24	8.183	11	0	24	0	24	0	24	0	24
288		min	0	1	1.644	17	0	1	0	1	0	1	0	1
289	N157	max	0	24	4.191	11	0	24	0	24	0	24	0	24
290		min	0	1	.841	17	0	1	0	1	0	1	0	1
291	N158	max	0	24	4.268	11	0	24	0	24	0	24	0	24
292		min	0	1	.828	17	0	1	0	1	0	1	0	1
293	N159	max	0	24	7.993	11	0	24	0	24	0	24	0	24
294		min	0	1	1.609	17	0	1	0	1	0	1	0	1
295	N160	max	0	24	4.17	11	0	24	0	24	0	24	0	24
296		min	0	1	.81	17	0	1	0	1	0	1	0	1
297	N161	max	0	24	7.805	11	0	24	0	24	0	24	0	24
298		min	0	1	1.576	17	0	1	0	1	0	1	0	1
299	N162	max	0	24	4.067	11	0	24	0	24	0	24	0	24
300		min	0	1	.792	17	0	1	0	1	0	1	0	1
301	N163	max	0	24	8.777	11	0	24	0	24	0	24	0	24
302		min	0	1	2.193	17	0	1	0	1	0	1	0	1
303	N164	max	0	24	7.625	11	0	24	0	24	0	24	0	24
304		min	0	1	1.802	17	0	1	0	1	0	1	0	1
305	N165	max	0	24	3.916	11	0	24	0	24	0	24	0	24

RISA
Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)
Feb 23, 2024
9:32 AM
Checked By: CS

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
306		min	0	1	.921	17	0	1	0	1	0	1	0	1
307	N166	max	0	24	8.534	11	0	24	0	24	0	24	0	24
308		min	0	1	2.142	17	0	1	0	1	0	1	0	1
309	N167	max	0	24	7.429	11	0	24	0	24	0	24	0	24
310		min	0	1	1.762	17	0	1	0	1	0	1	0	1
311	N168	max	0	24	8.289	11	0	24	0	24	0	24	0	24
312		min	0	1	2.087	17	0	1	0	1	0	1	0	1
313	N169	max	0	24	7.24	11	0	24	0	24	0	24	0	24
314		min	0	1	1.724	17	0	1	0	1	0	1	0	1
315	N170	max	0	24	4.154	3	0	24	0	24	0	24	0	24
316		min	0	1	.805	21	0	1	0	1	0	1	0	1
317	N171	max	0	24	7.981	3	0	24	0	24	0	24	0	24
318		min	0	1	1.604	21	0	1	0	1	0	1	0	1
319	N172	max	0	24	4.089	3	0	24	0	24	0	24	0	24
320		min	0	1	.821	21	0	1	0	1	0	1	0	1
321	N173	max	0	24	7.651	3	0	24	0	24	0	24	0	24
322		min	0	1	1.596	21	0	1	0	1	0	1	0	1
323	N174	max	0	24	4.057	3	0	24	0	24	0	24	0	24
324		min	0	1	.788	21	0	1	0	1	0	1	0	1
325	N175	max	0	24	7.793	3	0	24	0	24	0	24	0	24
326		min	0	1	1.569	21	0	1	0	1	0	1	0	1
327	N176	max	0	24	7.471	3	0	24	0	24	0	24	0	24
328		min	0	1	1.562	21	0	1	0	1	0	1	0	1
329	N177	max	0	24	3.956	3	0	24	0	24	0	24	0	24
330		min	0	1	.769	21	0	1	0	1	0	1	0	1
331	N178	max	0	24	7.606	3	0	24	0	24	0	24	0	24
332		min	0	1	1.537	21	0	1	0	1	0	1	0	1
333	N179	max	0	24	7.296	3	0	24	0	24	0	24	0	24
334		min	0	1	1.529	21	0	1	0	1	0	1	0	1
335	N180	max	0	24	6.743	3	0	24	0	24	0	24	0	24
336		min	0	1	1.363	21	0	1	0	1	0	1	0	1
337	N181	max	0	24	7.316	3	0	24	0	24	0	24	0	24
338		min	0	1	1.586	21	0	1	0	1	0	1	0	1
339	N182	max	0	24	3.753	3	0	24	0	24	0	24	0	24
340		min	0	1	.811	21	0	1	0	1	0	1	0	1
341	N183	max	0	24	7.447	3	0	24	0	24	0	24	0	24
342		min	0	1	1.682	21	0	1	0	1	0	1	0	1
343	N184	max	0	24	7.141	3	0	24	0	24	0	24	0	24
344		min	0	1	1.552	21	0	1	0	1	0	1	0	1
345	N185	max	0	24	7.263	3	0	24	0	24	0	24	0	24
346		min	0	1	1.646	21	0	1	0	1	0	1	0	1
347	N186	max	0	24	6.981	3	0	24	0	24	0	24	0	24
348		min	0	1	1.525	21	0	1	0	1	0	1	0	1
349	N187	max	0	24	7.09	3	0	24	0	24	0	24	0	24
350		min	0	1	1.611	21	0	1	0	1	0	1	0	1
351	N188	max	0	24	7.462	3	0	24	0	24	0	24	0	24
352		min	0	1	1.773	21	0	1	0	1	0	1	0	1
353	N189	max	0	24	3.835	3	0	24	0	24	0	24	0	24
354		min	0	1	.907	21	0	1	0	1	0	1	0	1
355	N190	max	0	24	8.588	3	0	24	0	24	0	24	0	24
356		min	0	1	2.161	21	0	1	0	1	0	1	0	1
357	N191	max	0	24	7.267	3	0	24	0	24	0	24	0	24

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
358		min	0	1	1.733	21	0	1	0	1	0	1	0	1
359	N192	max	0	24	8.347	3	0	24	0	24	0	24	0	24
360		min	0	1	2.109	21	0	1	0	1	0	1	0	1
361	N193	max	0	24	7.079	3	0	24	0	24	0	24	0	24
362		min	0	1	1.695	21	0	1	0	1	0	1	0	1
363	N194	max	0	24	8.104	3	0	24	0	24	0	24	0	24
364		min	0	1	2.054	21	0	1	0	1	0	1	0	1
365	N195	max	0	24	6.274	3	0	24	0	24	0	24	0	24
366		min	0	1	1.502	21	0	1	0	1	0	1	0	1
367	N196	max	0	24	3.073	3	0	24	0	24	0	24	0	24
368		min	0	1	.596	21	0	1	0	1	0	1	0	1
369	N197	max	0	24	5.919	3	0	24	0	24	0	24	0	24
370		min	0	1	1.197	21	0	1	0	1	0	1	0	1
371	N198	max	0	24	5.38	3	0	24	0	24	0	24	0	24
372		min	0	1	1.083	21	0	1	0	1	0	1	0	1
373	N199	max	0	24	5.514	3	0	24	0	24	0	24	0	24
374		min	0	1	1.322	21	0	1	0	1	0	1	0	1
375	N200	max	0	24	5.016	3	0	24	0	24	0	24	0	24
376		min	0	1	1.197	21	0	1	0	1	0	1	0	1
377	N201	max	0	24	4.586	3	0	24	0	24	0	24	0	24
378		min	0	1	.92	21	0	1	0	1	0	1	0	1
379	N202	max	0	24	4.279	3	0	24	0	24	0	24	0	24
380		min	0	1	1.029	21	0	1	0	1	0	1	0	1
381	N203	max	0	24	4.383	11	0	24	0	24	0	24	0	24
382		min	0	1	1.05	17	0	1	0	1	0	1	0	1
383	N204	max	0	24	4.706	11	0	24	0	24	0	24	0	24
384		min	0	1	.943	17	0	1	0	1	0	1	0	1
385	N205	max	0	24	2.152	3	0	24	0	24	0	24	0	24
386		min	0	1	.409	21	0	1	0	1	0	1	0	1
387	N206	max	0	24	4.133	3	0	24	0	24	0	24	0	24
388		min	0	1	.824	21	0	1	0	1	0	1	0	1
389	N207	max	0	24	3.964	3	0	24	0	24	0	24	0	24
390		min	0	1	.829	21	0	1	0	1	0	1	0	1
391	N208	max	0	24	2.06	3	0	24	0	24	0	24	0	24
392		min	0	1	.389	21	0	1	0	1	0	1	0	1
393	N209	max	0	24	3.956	3	0	24	0	24	0	24	0	24
394		min	0	1	.786	21	0	1	0	1	0	1	0	1
395	N210	max	0	24	3.791	3	0	24	0	24	0	24	0	24
396		min	0	1	.793	21	0	1	0	1	0	1	0	1
397	N211	max	0	24	1.967	3	0	24	0	24	0	24	0	24
398		min	0	1	.369	21	0	1	0	1	0	1	0	1
399	N212	max	0	24	3.778	3	0	24	0	24	0	24	0	24
400		min	0	1	.749	21	0	1	0	1	0	1	0	1
401	N213	max	0	24	3.62	3	0	24	0	24	0	24	0	24
402		min	0	1	.759	21	0	1	0	1	0	1	0	1
403	N214	max	0	24	1.875	3	0	24	0	24	0	24	0	24
404		min	0	1	.351	21	0	1	0	1	0	1	0	1
405	N215	max	0	24	3.601	3	0	24	0	24	0	24	0	24
406		min	0	1	.715	21	0	1	0	1	0	1	0	1
407	N216	max	0	24	3.451	3	0	24	0	24	0	24	0	24
408		min	0	1	.728	21	0	1	0	1	0	1	0	1
409	N217	max	0	24	1.783	3	0	24	0	24	0	24	0	24

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
410		min	0	1	.333	21	0	1	0	1	0	1	0	1
411	N218	max	0	24	3.426	3	0	24	0	24	0	24	0	24
412		min	0	1	.684	21	0	1	0	1	0	1	0	1
413	N219	max	0	24	3.284	3	0	24	0	24	0	24	0	24
414		min	0	1	.7	21	0	1	0	1	0	1	0	1
415	N220	max	0	24	1.694	3	0	24	0	24	0	24	0	24
416		min	0	1	.317	21	0	1	0	1	0	1	0	1
417	N221	max	0	24	3.256	3	0	24	0	24	0	24	0	24
418		min	0	1	.656	21	0	1	0	1	0	1	0	1
419	N222	max	0	24	3.122	3	0	24	0	24	0	24	0	24
420		min	0	1	.675	21	0	1	0	1	0	1	0	1
421	N223	max	0	24	1.607	3	0	24	0	24	0	24	0	24
422		min	0	1	.303	21	0	1	0	1	0	1	0	1
423	N224	max	0	24	3.09	3	0	24	0	24	0	24	0	24
424		min	0	1	.631	21	0	1	0	1	0	1	0	1
425	N225	max	0	24	2.965	3	0	24	0	24	0	24	0	24
426		min	0	1	.653	21	0	1	0	1	0	1	0	1
427	N226	max	0	24	1.522	3	0	24	0	24	0	24	0	24
428		min	0	1	.291	21	0	1	0	1	0	1	0	1
429	N227	max	0	24	2.93	3	0	24	0	24	0	24	0	24
430		min	0	1	.609	21	0	1	0	1	0	1	0	1
431	N228	max	0	24	2.813	3	0	24	0	24	0	24	0	24
432		min	0	1	.635	21	0	1	0	1	0	1	0	1
433	N229	max	0	24	1.441	3	0	24	0	24	0	24	0	24
434		min	0	1	.28	21	0	1	0	1	0	1	0	1
435	N230	max	0	24	2.776	3	0	24	0	24	0	24	0	24
436		min	0	1	.591	21	0	1	0	1	0	1	0	1
437	N231	max	0	24	2.668	3	0	24	0	24	0	24	0	24
438		min	0	1	.62	21	0	1	0	1	0	1	0	1
439	N232	max	0	24	1.363	3	0	24	0	24	0	24	0	24
440		min	0	1	.271	21	0	1	0	1	0	1	0	1
441	N233	max	0	24	2.629	3	0	24	0	24	0	24	0	24
442		min	0	1	.576	21	0	1	0	1	0	1	0	1
443	N234	max	0	24	2.529	3	0	24	0	24	0	24	0	24
444		min	0	1	.608	21	0	1	0	1	0	1	0	1
445	N235	max	0	24	1.289	3	0	24	0	24	0	24	0	24
446		min	0	1	.264	21	0	1	0	1	0	1	0	1
447	N236	max	0	24	2.488	3	0	24	0	24	0	24	0	24
448		min	0	1	.565	21	0	1	0	1	0	1	0	1
449	N237	max	0	24	2.396	3	0	24	0	24	0	24	0	24
450		min	0	1	.601	21	0	1	0	1	0	1	0	1
451	N238	max	0	24	1.219	3	0	24	0	24	0	24	0	24
452		min	0	1	.259	21	0	1	0	1	0	1	0	1
453	N239	max	0	24	2.355	3	0	24	0	24	0	24	0	24
454		min	0	1	.558	21	0	1	0	1	0	1	0	1
455	N240	max	0	24	2.271	3	0	24	0	24	0	24	0	24
456		min	0	1	.596	21	0	1	0	1	0	1	0	1
457	N241	max	0	24	1.152	3	0	24	0	24	0	24	0	24
458		min	0	1	.256	21	0	1	0	1	0	1	0	1
459	N242	max	0	24	2.23	4	0	24	0	24	0	24	0	24
460		min	0	1	.554	22	0	1	0	1	0	1	0	1
461	N243	max	0	24	2.163	4	0	24	0	24	0	24	0	24

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
462		min	0	1	.585	22	0	1	0	1	0	1	0	1
463	N244	max	0	24	1.092	4	0	24	0	24	0	24	0	24
464		min	0	1	.252	22	0	1	0	1	0	1	0	1
465	N245	max	0	24	2.127	4	0	24	0	24	0	24	0	24
466		min	0	1	.538	22	0	1	0	1	0	1	0	1
467	N246	max	0	24	2.068	4	0	24	0	24	0	24	0	24
468		min	0	1	.572	22	0	1	0	1	0	1	0	1
469	N247	max	0	24	1.041	4	0	24	0	24	0	24	0	24
470		min	0	1	.245	22	0	1	0	1	0	1	0	1
471	N248	max	0	24	2.032	4	0	24	0	24	0	24	0	24
472		min	0	1	.526	22	0	1	0	1	0	1	0	1
473	N249	max	0	24	1.98	4	0	24	0	24	0	24	0	24
474		min	0	1	.562	22	0	1	0	1	0	1	0	1
475	N250	max	0	24	.993	4	0	24	0	24	0	24	0	24
476		min	0	1	.239	22	0	1	0	1	0	1	0	1
477	N251	max	0	24	1.943	4	0	24	0	24	0	24	0	24
478		min	0	1	.517	22	0	1	0	1	0	1	0	1
479	N252	max	0	24	1.898	4	0	24	0	24	0	24	0	24
480		min	0	1	.555	22	0	1	0	1	0	1	0	1
481	N253	max	0	24	.949	4	0	24	0	24	0	24	0	24
482		min	0	1	.235	22	0	1	0	1	0	1	0	1
483	N254	max	0	24	1.862	4	0	24	0	24	0	24	0	24
484		min	0	1	.512	22	0	1	0	1	0	1	0	1
485	N255	max	0	24	1.824	4	0	24	0	24	0	24	0	24
486		min	0	1	.552	22	0	1	0	1	0	1	0	1
487	N256	max	0	24	.909	4	0	24	0	24	0	24	0	24
488		min	0	1	.233	22	0	1	0	1	0	1	0	1
489	N257	max	0	24	1.787	4	0	24	0	24	0	24	0	24
490		min	0	1	.509	22	0	1	0	1	0	1	0	1
491	N258	max	0	24	1.756	4	0	24	0	24	0	24	0	24
492		min	0	1	.552	22	0	1	0	1	0	1	0	1
493	N259	max	0	24	.872	4	0	24	0	24	0	24	0	24
494		min	0	1	.232	22	0	1	0	1	0	1	0	1
495	N260	max	0	24	1.72	4	0	24	0	24	0	24	0	24
496		min	0	1	.51	22	0	1	0	1	0	1	0	1
497	N261	max	0	24	1.694	4	0	24	0	24	0	24	0	24
498		min	0	1	.554	22	0	1	0	1	0	1	0	1
499	N262	max	0	24	.838	4	0	24	0	24	0	24	0	24
500		min	0	1	.233	22	0	1	0	1	0	1	0	1
501	N263	max	0	24	1.658	4	0	24	0	24	0	24	0	24
502		min	0	1	.513	22	0	1	0	1	0	1	0	1
503	N264	max	0	24	1.639	5	0	24	0	24	0	24	0	24
504		min	0	1	.559	23	0	1	0	1	0	1	0	1
505	N265	max	0	24	.808	4	0	24	0	24	0	24	0	24
506		min	0	1	.235	22	0	1	0	1	0	1	0	1
507	N266	max	0	24	1.605	5	0	24	0	24	0	24	0	24
508		min	0	1	.516	23	0	1	0	1	0	1	0	1
509	N267	max	0	24	1.614	5	0	24	0	24	0	24	0	24
510		min	0	1	.542	23	0	1	0	1	0	1	0	1
511	N268	max	0	24	.782	5	0	24	0	24	0	24	0	24
512		min	0	1	.236	23	0	1	0	1	0	1	0	1
513	N269	max	0	24	1.58	5	0	24	0	24	0	24	0	24

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

Feb 23, 2024
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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
514		min	0	1	.5	23	0	1	0	1	0	1	0	1
515	N270	max	0	24	1.594	5	0	24	0	24	0	24	0	24
516		min	0	1	.527	23	0	1	0	1	0	1	0	1
517	N271	max	0	24	.77	5	0	24	0	24	0	24	0	24
518		min	0	1	.228	23	0	1	0	1	0	1	0	1
519	N272	max	0	24	1.56	5	0	24	0	24	0	24	0	24
520		min	0	1	.486	23	0	1	0	1	0	1	0	1
521	N273	max	0	24	1.579	5	0	24	0	24	0	24	0	24
522		min	0	1	.515	23	0	1	0	1	0	1	0	1
523	N274	max	0	24	1.454	5	0	24	0	24	0	24	0	24
524		min	0	1	.446	23	0	1	0	1	0	1	0	1
525	N275	max	0	24	3.854	3	0	24	0	24	0	24	0	24
526		min	0	1	.885	21	0	1	0	1	0	1	0	1
527	N276	max	0	24	3.862	3	0	24	0	24	0	24	0	24
528		min	0	1	.934	21	0	1	0	1	0	1	0	1
529	N277	max	0	24	4.44	3	0	24	0	24	0	24	0	24
530		min	0	1	1.141	21	0	1	0	1	0	1	0	1
531	N278	max	0	24	3.688	3	0	24	0	24	0	24	0	24
532		min	0	1	.854	21	0	1	0	1	0	1	0	1
533	N279	max	0	24	3.697	3	0	24	0	24	0	24	0	24
534		min	0	1	.909	21	0	1	0	1	0	1	0	1
535	N280	max	0	24	4.253	3	0	24	0	24	0	24	0	24
536		min	0	1	1.122	21	0	1	0	1	0	1	0	1
537	N281	max	0	24	3.522	3	0	24	0	24	0	24	0	24
538		min	0	1	.826	21	0	1	0	1	0	1	0	1
539	N282	max	0	24	3.534	3	0	24	0	24	0	24	0	24
540		min	0	1	.886	21	0	1	0	1	0	1	0	1
541	N283	max	0	24	4.07	3	0	24	0	24	0	24	0	24
542		min	0	1	1.101	21	0	1	0	1	0	1	0	1
543	N284	max	0	24	3.36	3	0	24	0	24	0	24	0	24
544		min	0	1	.801	21	0	1	0	1	0	1	0	1
545	N285	max	0	24	3.373	3	0	24	0	24	0	24	0	24
546		min	0	1	.865	21	0	1	0	1	0	1	0	1
547	N286	max	0	24	3.891	3	0	24	0	24	0	24	0	24
548		min	0	1	1.081	21	0	1	0	1	0	1	0	1
549	N287	max	0	24	3.201	3	0	24	0	24	0	24	0	24
550		min	0	1	.779	21	0	1	0	1	0	1	0	1
551	N288	max	0	24	3.217	3	0	24	0	24	0	24	0	24
552		min	0	1	.847	21	0	1	0	1	0	1	0	1
553	N289	max	0	24	3.715	3	0	24	0	24	0	24	0	24
554		min	0	1	1.064	21	0	1	0	1	0	1	0	1
555	N290	max	0	24	3.046	3	0	24	0	24	0	24	0	24
556		min	0	1	.759	21	0	1	0	1	0	1	0	1
557	N291	max	0	24	3.065	3	0	24	0	24	0	24	0	24
558		min	0	1	.831	21	0	1	0	1	0	1	0	1
559	N292	max	0	24	3.544	3	0	24	0	24	0	24	0	24
560		min	0	1	1.049	21	0	1	0	1	0	1	0	1
561	N293	max	0	24	2.897	3	0	24	0	24	0	24	0	24
562		min	0	1	.743	21	0	1	0	1	0	1	0	1
563	N294	max	0	24	2.918	3	0	24	0	24	0	24	0	24
564		min	0	1	.818	21	0	1	0	1	0	1	0	1
565	N295	max	0	24	3.379	3	0	24	0	24	0	24	0	24

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
566		min	0	1	1.039	21	0	1	0	1	0	1	0	1
567	N296	max	0	24	2.753	3	0	24	0	24	0	24	0	24
568		min	0	1	.731	21	0	1	0	1	0	1	0	1
569	N297	max	0	24	2.777	3	0	24	0	24	0	24	0	24
570		min	0	1	.809	21	0	1	0	1	0	1	0	1
571	N298	max	0	24	3.22	3	0	24	0	24	0	24	0	24
572		min	0	1	1.032	21	0	1	0	1	0	1	0	1
573	N299	max	0	24	2.616	3	0	24	0	24	0	24	0	24
574		min	0	1	.722	21	0	1	0	1	0	1	0	1
575	N300	max	0	24	2.641	3	0	24	0	24	0	24	0	24
576		min	0	1	.803	21	0	1	0	1	0	1	0	1
577	N301	max	0	24	3.068	3	0	24	0	24	0	24	0	24
578		min	0	1	1.03	21	0	1	0	1	0	1	0	1
579	N302	max	0	24	2.485	3	0	24	0	24	0	24	0	24
580		min	0	1	.716	21	0	1	0	1	0	1	0	1
581	N303	max	0	24	2.513	3	0	24	0	24	0	24	0	24
582		min	0	1	.802	21	0	1	0	1	0	1	0	1
583	N304	max	0	24	2.924	3	0	24	0	24	0	24	0	24
584		min	0	1	1.032	21	0	1	0	1	0	1	0	1
585	N305	max	0	24	2.36	3	0	24	0	24	0	24	0	24
586		min	0	1	.715	21	0	1	0	1	0	1	0	1
587	N306	max	0	24	2.399	4	0	24	0	24	0	24	0	24
588		min	0	1	.795	22	0	1	0	1	0	1	0	1
589	N307	max	0	24	2.811	4	0	24	0	24	0	24	0	24
590		min	0	1	1.015	22	0	1	0	1	0	1	0	1
591	N308	max	0	24	2.258	4	0	24	0	24	0	24	0	24
592		min	0	1	.701	22	0	1	0	1	0	1	0	1
593	N309	max	0	24	2.304	4	0	24	0	24	0	24	0	24
594		min	0	1	.781	22	0	1	0	1	0	1	0	1
595	N310	max	0	24	2.707	4	0	24	0	24	0	24	0	24
596		min	0	1	1.002	22	0	1	0	1	0	1	0	1
597	N311	max	0	24	2.165	4	0	24	0	24	0	24	0	24
598		min	0	1	.689	22	0	1	0	1	0	1	0	1
599	N312	max	0	24	2.216	4	0	24	0	24	0	24	0	24
600		min	0	1	.771	22	0	1	0	1	0	1	0	1
601	N313	max	0	24	2.611	4	0	24	0	24	0	24	0	24
602		min	0	1	.993	22	0	1	0	1	0	1	0	1
603	N314	max	0	24	2.08	4	0	24	0	24	0	24	0	24
604		min	0	1	.68	22	0	1	0	1	0	1	0	1
605	N315	max	0	24	2.134	4	0	24	0	24	0	24	0	24
606		min	0	1	.765	22	0	1	0	1	0	1	0	1
607	N316	max	0	24	2.524	4	0	24	0	24	0	24	0	24
608		min	0	1	.989	22	0	1	0	1	0	1	0	1
609	N317	max	0	24	2.001	4	0	24	0	24	0	24	0	24
610		min	0	1	.675	22	0	1	0	1	0	1	0	1
611	N318	max	0	24	2.06	4	0	24	0	24	0	24	0	24
612		min	0	1	.762	22	0	1	0	1	0	1	0	1
613	N319	max	0	24	2.444	4	0	24	0	24	0	24	0	24
614		min	0	1	.99	22	0	1	0	1	0	1	0	1
615	N320	max	0	24	1.929	4	0	24	0	24	0	24	0	24
616		min	0	1	.673	22	0	1	0	1	0	1	0	1
617	N321	max	0	24	1.993	4	0	24	0	24	0	24	0	24

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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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
618		min	0	1	.763	22	0	1	0	1	0	1	0	1
619	N322	max	0	24	2.373	4	0	24	0	24	0	24	0	24
620		min	0	1	.995	22	0	1	0	1	0	1	0	1
621	N323	max	0	24	1.864	4	0	24	0	24	0	24	0	24
622		min	0	1	.674	22	0	1	0	1	0	1	0	1
623	N324	max	0	24	1.933	4	0	24	0	24	0	24	0	24
624		min	0	1	.768	22	0	1	0	1	0	1	0	1
625	N325	max	0	24	2.34	5	0	24	0	24	0	24	0	24
626		min	0	1	.973	23	0	1	0	1	0	1	0	1
627	N326	max	0	24	1.805	4	0	24	0	24	0	24	0	24
628		min	0	1	.679	22	0	1	0	1	0	1	0	1
629	N327	max	0	24	1.904	5	0	24	0	24	0	24	0	24
630		min	0	1	.75	23	0	1	0	1	0	1	0	1
631	N328	max	0	24	2.321	5	0	24	0	24	0	24	0	24
632		min	0	1	.951	23	0	1	0	1	0	1	0	1
633	N329	max	0	24	1.776	5	0	24	0	24	0	24	0	24
634		min	0	1	.663	23	0	1	0	1	0	1	0	1
635	N330	max	0	24	1.885	5	0	24	0	24	0	24	0	24
636		min	0	1	.732	23	0	1	0	1	0	1	0	1
637	N331	max	0	24	2.309	5	0	24	0	24	0	24	0	24
638		min	0	1	.932	23	0	1	0	1	0	1	0	1
639	N332	max	0	24	1.756	5	0	24	0	24	0	24	0	24
640		min	0	1	.646	23	0	1	0	1	0	1	0	1
641	N333	max	0	24	1.873	5	0	24	0	24	0	24	0	24
642		min	0	1	.717	23	0	1	0	1	0	1	0	1
643	N334	max	0	24	2.303	5	0	24	0	24	0	24	0	24
644		min	0	1	.916	23	0	1	0	1	0	1	0	1
645	N335	max	0	24	1.742	5	0	24	0	24	0	24	0	24
646		min	0	1	.632	23	0	1	0	1	0	1	0	1
647	N336	max	0	24	1.865	5	0	24	0	24	0	24	0	24
648		min	0	1	.704	23	0	1	0	1	0	1	0	1
649	N337	max	0	24	2.317	6	0	24	0	24	0	24	0	24
650		min	0	1	.892	24	0	1	0	1	0	1	0	1
651	N338	max	0	24	1.733	5	0	24	0	24	0	24	0	24
652		min	0	1	.62	23	0	1	0	1	0	1	0	1
653	N339	max	0	24	1.868	6	0	24	0	24	0	24	0	24
654		min	0	1	.689	24	0	1	0	1	0	1	0	1
655	N340	max	0	24	2.357	6	0	24	0	24	0	24	0	24
656		min	0	1	.849	24	0	1	0	1	0	1	0	1
657	N341	max	0	24	1.729	6	0	24	0	24	0	24	0	24
658		min	0	1	.61	24	0	1	0	1	0	1	0	1
659	N342	max	0	24	1.898	6	0	24	0	24	0	24	0	24
660		min	0	1	.654	24	0	1	0	1	0	1	0	1
661	N343	max	0	24	2.401	6	0	24	0	24	0	24	0	24
662		min	0	1	.81	24	0	1	0	1	0	1	0	1
663	N344	max	0	24	1.817	6	0	24	0	24	0	24	0	24
664		min	0	1	.585	24	0	1	0	1	0	1	0	1
665	N345	max	0	24	4.542	11	0	24	0	24	0	24	0	24
666		min	0	1	1.161	17	0	1	0	1	0	1	0	1
667	N346	max	0	24	3.955	11	0	24	0	24	0	24	0	24
668		min	0	1	.953	17	0	1	0	1	0	1	0	1
669	N347	max	0	24	3.953	11	0	24	0	24	0	24	0	24

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
670		min	0	1	.905	17	0	1	0	1	0	1	0	1
671	N348	max	0	24	4.35	11	0	24	0	24	0	24	0	24
672		min	0	1	1.141	17	0	1	0	1	0	1	0	1
673	N349	max	0	24	3.786	11	0	24	0	24	0	24	0	24
674		min	0	1	.927	17	0	1	0	1	0	1	0	1
675	N350	max	0	24	3.781	11	0	24	0	24	0	24	0	24
676		min	0	1	.873	17	0	1	0	1	0	1	0	1
677	N351	max	0	24	4.162	11	0	24	0	24	0	24	0	24
678		min	0	1	1.119	17	0	1	0	1	0	1	0	1
679	N352	max	0	24	3.618	11	0	24	0	24	0	24	0	24
680		min	0	1	.904	17	0	1	0	1	0	1	0	1
681	N353	max	0	24	3.61	11	0	24	0	24	0	24	0	24
682		min	0	1	.844	17	0	1	0	1	0	1	0	1
683	N354	max	0	24	3.978	11	0	24	0	24	0	24	0	24
684		min	0	1	1.099	17	0	1	0	1	0	1	0	1
685	N355	max	0	24	3.453	11	0	24	0	24	0	24	0	24
686		min	0	1	.882	17	0	1	0	1	0	1	0	1
687	N356	max	0	24	3.442	11	0	24	0	24	0	24	0	24
688		min	0	1	.818	17	0	1	0	1	0	1	0	1
689	N357	max	0	24	3.797	11	0	24	0	24	0	24	0	24
690		min	0	1	1.081	17	0	1	0	1	0	1	0	1
691	N358	max	0	24	3.292	11	0	24	0	24	0	24	0	24
692		min	0	1	.863	17	0	1	0	1	0	1	0	1
693	N359	max	0	24	3.279	11	0	24	0	24	0	24	0	24
694		min	0	1	.796	17	0	1	0	1	0	1	0	1
695	N360	max	0	24	3.621	11	0	24	0	24	0	24	0	24
696		min	0	1	1.066	17	0	1	0	1	0	1	0	1
697	N361	max	0	24	3.135	11	0	24	0	24	0	24	0	24
698		min	0	1	.847	17	0	1	0	1	0	1	0	1
699	N362	max	0	24	3.12	11	0	24	0	24	0	24	0	24
700		min	0	1	.776	17	0	1	0	1	0	1	0	1
701	N363	max	0	24	3.451	11	0	24	0	24	0	24	0	24
702		min	0	1	1.055	17	0	1	0	1	0	1	0	1
703	N364	max	0	24	2.984	11	0	24	0	24	0	24	0	24
704		min	0	1	.834	17	0	1	0	1	0	1	0	1
705	N365	max	0	24	2.966	11	0	24	0	24	0	24	0	24
706		min	0	1	.759	17	0	1	0	1	0	1	0	1
707	N366	max	0	24	3.288	11	0	24	0	24	0	24	0	24
708		min	0	1	1.048	17	0	1	0	1	0	1	0	1
709	N367	max	0	24	2.838	11	0	24	0	24	0	24	0	24
710		min	0	1	.824	17	0	1	0	1	0	1	0	1
711	N368	max	0	24	2.818	11	0	24	0	24	0	24	0	24
712		min	0	1	.746	17	0	1	0	1	0	1	0	1
713	N369	max	0	24	3.132	11	0	24	0	24	0	24	0	24
714		min	0	1	1.045	17	0	1	0	1	0	1	0	1
715	N370	max	0	24	2.699	11	0	24	0	24	0	24	0	24
716		min	0	1	.818	17	0	1	0	1	0	1	0	1
717	N371	max	0	24	2.676	11	0	24	0	24	0	24	0	24
718		min	0	1	.737	17	0	1	0	1	0	1	0	1
719	N372	max	0	24	2.983	11	0	24	0	24	0	24	0	24
720		min	0	1	1.047	17	0	1	0	1	0	1	0	1
721	N373	max	0	24	2.567	11	0	24	0	24	0	24	0	24

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
722		min	0	1	.816	17	0	1	0	1	0	1	0	1
723	N374	max	0	24	2.541	11	0	24	0	24	0	24	0	24
724		min	0	1	.731	17	0	1	0	1	0	1	0	1
725	N375	max	0	24	2.862	10	0	24	0	24	0	24	0	24
726		min	0	1	1.034	16	0	1	0	1	0	1	0	1
727	N376	max	0	24	2.446	10	0	24	0	24	0	24	0	24
728		min	0	1	.813	16	0	1	0	1	0	1	0	1
729	N377	max	0	24	2.413	11	0	24	0	24	0	24	0	24
730		min	0	1	.729	17	0	1	0	1	0	1	0	1
731	N378	max	0	24	2.754	10	0	24	0	24	0	24	0	24
732		min	0	1	1.021	16	0	1	0	1	0	1	0	1
733	N379	max	0	24	2.347	10	0	24	0	24	0	24	0	24
734		min	0	1	.798	16	0	1	0	1	0	1	0	1
735	N380	max	0	24	2.303	10	0	24	0	24	0	24	0	24
736		min	0	1	.719	16	0	1	0	1	0	1	0	1
737	N381	max	0	24	2.655	10	0	24	0	24	0	24	0	24
738		min	0	1	1.012	16	0	1	0	1	0	1	0	1
739	N382	max	0	24	2.255	10	0	24	0	24	0	24	0	24
740		min	0	1	.788	16	0	1	0	1	0	1	0	1
741	N383	max	0	24	2.207	10	0	24	0	24	0	24	0	24
742		min	0	1	.706	16	0	1	0	1	0	1	0	1
743	N384	max	0	24	2.564	10	0	24	0	24	0	24	0	24
744		min	0	1	1.007	16	0	1	0	1	0	1	0	1
745	N385	max	0	24	2.171	10	0	24	0	24	0	24	0	24
746		min	0	1	.781	16	0	1	0	1	0	1	0	1
747	N386	max	0	24	2.118	10	0	24	0	24	0	24	0	24
748		min	0	1	.697	16	0	1	0	1	0	1	0	1
749	N387	max	0	24	2.481	10	0	24	0	24	0	24	0	24
750		min	0	1	1.007	16	0	1	0	1	0	1	0	1
751	N388	max	0	24	2.094	10	0	24	0	24	0	24	0	24
752		min	0	1	.778	16	0	1	0	1	0	1	0	1
753	N389	max	0	24	2.037	10	0	24	0	24	0	24	0	24
754		min	0	1	.691	16	0	1	0	1	0	1	0	1
755	N390	max	0	24	2.407	10	0	24	0	24	0	24	0	24
756		min	0	1	1.012	16	0	1	0	1	0	1	0	1
757	N391	max	0	24	2.024	10	0	24	0	24	0	24	0	24
758		min	0	1	.779	16	0	1	0	1	0	1	0	1
759	N392	max	0	24	1.962	10	0	24	0	24	0	24	0	24
760		min	0	1	.688	16	0	1	0	1	0	1	0	1
761	N393	max	0	24	2.366	9	0	24	0	24	0	24	0	24
762		min	0	1	.996	15	0	1	0	1	0	1	0	1
763	N394	max	0	24	1.961	10	0	24	0	24	0	24	0	24
764		min	0	1	.783	16	0	1	0	1	0	1	0	1
765	N395	max	0	24	1.894	10	0	24	0	24	0	24	0	24
766		min	0	1	.689	16	0	1	0	1	0	1	0	1
767	N396	max	0	24	2.344	9	0	24	0	24	0	24	0	24
768		min	0	1	.972	15	0	1	0	1	0	1	0	1
769	N397	max	0	24	1.925	9	0	24	0	24	0	24	0	24
770		min	0	1	.769	15	0	1	0	1	0	1	0	1
771	N398	max	0	24	1.833	10	0	24	0	24	0	24	0	24
772		min	0	1	.693	16	0	1	0	1	0	1	0	1
773	N399	max	0	24	2.33	9	0	24	0	24	0	24	0	24

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
774		min	0	1	.952	15	0	1	0	1	0	1	0	1
775	N400	max	0	24	1.905	9	0	24	0	24	0	24	0	24
776		min	0	1	.75	15	0	1	0	1	0	1	0	1
777	N401	max	0	24	1.797	9	0	24	0	24	0	24	0	24
778		min	0	1	.682	15	0	1	0	1	0	1	0	1
779	N402	max	0	24	2.322	9	0	24	0	24	0	24	0	24
780		min	0	1	.936	15	0	1	0	1	0	1	0	1
781	N403	max	0	24	1.89	9	0	24	0	24	0	24	0	24
782		min	0	1	.735	15	0	1	0	1	0	1	0	1
783	N404	max	0	24	1.775	9	0	24	0	24	0	24	0	24
784		min	0	1	.664	15	0	1	0	1	0	1	0	1
785	N405	max	0	24	2.33	8	0	24	0	24	0	24	0	24
786		min	0	1	.914	14	0	1	0	1	0	1	0	1
787	N406	max	0	24	1.881	9	0	24	0	24	0	24	0	24
788		min	0	1	.722	15	0	1	0	1	0	1	0	1
789	N407	max	0	24	1.759	9	0	24	0	24	0	24	0	24
790		min	0	1	.649	15	0	1	0	1	0	1	0	1
791	N408	max	0	24	2.369	8	0	24	0	24	0	24	0	24
792		min	0	1	.871	14	0	1	0	1	0	1	0	1
793	N409	max	0	24	1.88	8	0	24	0	24	0	24	0	24
794		min	0	1	.708	14	0	1	0	1	0	1	0	1
795	N410	max	0	24	1.748	9	0	24	0	24	0	24	0	24
796		min	0	1	.637	15	0	1	0	1	0	1	0	1
797	N411	max	0	24	2.412	8	0	24	0	24	0	24	0	24
798		min	0	1	.83	14	0	1	0	1	0	1	0	1
799	N412	max	0	24	1.908	8	0	24	0	24	0	24	0	24
800		min	0	1	.672	14	0	1	0	1	0	1	0	1
801	N413	max	0	24	1.742	9	0	24	0	24	0	24	0	24
802		min	0	1	.627	15	0	1	0	1	0	1	0	1
803	N414	max	0	24	1.826	8	0	24	0	24	0	24	0	24
804		min	0	1	.601	14	0	1	0	1	0	1	0	1
805	N415	max	0	24	4.068	11	0	24	0	24	0	24	0	24
806		min	0	1	.85	17	0	1	0	1	0	1	0	1
807	N416	max	0	24	4.24	11	0	24	0	24	0	24	0	24
808		min	0	1	.846	17	0	1	0	1	0	1	0	1
809	N417	max	0	24	2.208	11	0	24	0	24	0	24	0	24
810		min	0	1	.421	17	0	1	0	1	0	1	0	1
811	N418	max	0	24	3.89	11	0	24	0	24	0	24	0	24
812		min	0	1	.813	17	0	1	0	1	0	1	0	1
813	N419	max	0	24	4.057	11	0	24	0	24	0	24	0	24
814		min	0	1	.807	17	0	1	0	1	0	1	0	1
815	N420	max	0	24	2.114	11	0	24	0	24	0	24	0	24
816		min	0	1	.4	17	0	1	0	1	0	1	0	1
817	N421	max	0	24	3.713	11	0	24	0	24	0	24	0	24
818		min	0	1	.778	17	0	1	0	1	0	1	0	1
819	N422	max	0	24	3.874	11	0	24	0	24	0	24	0	24
820		min	0	1	.77	17	0	1	0	1	0	1	0	1
821	N423	max	0	24	2.019	11	0	24	0	24	0	24	0	24
822		min	0	1	.38	17	0	1	0	1	0	1	0	1
823	N424	max	0	24	3.538	11	0	24	0	24	0	24	0	24
824		min	0	1	.747	17	0	1	0	1	0	1	0	1
825	N425	max	0	24	3.692	11	0	24	0	24	0	24	0	24

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
826		min	0	1	.735	17	0	1	0	1	0	1	0	1
827	N426	max	0	24	1.923	11	0	24	0	24	0	24	0	24
828		min	0	1	.361	17	0	1	0	1	0	1	0	1
829	N427	max	0	24	3.367	11	0	24	0	24	0	24	0	24
830		min	0	1	.718	17	0	1	0	1	0	1	0	1
831	N428	max	0	24	3.512	11	0	24	0	24	0	24	0	24
832		min	0	1	.703	17	0	1	0	1	0	1	0	1
833	N429	max	0	24	1.829	11	0	24	0	24	0	24	0	24
834		min	0	1	.344	17	0	1	0	1	0	1	0	1
835	N430	max	0	24	3.2	11	0	24	0	24	0	24	0	24
836		min	0	1	.693	17	0	1	0	1	0	1	0	1
837	N431	max	0	24	3.337	11	0	24	0	24	0	24	0	24
838		min	0	1	.674	17	0	1	0	1	0	1	0	1
839	N432	max	0	24	1.737	11	0	24	0	24	0	24	0	24
840		min	0	1	.327	17	0	1	0	1	0	1	0	1
841	N433	max	0	24	3.038	11	0	24	0	24	0	24	0	24
842		min	0	1	.67	17	0	1	0	1	0	1	0	1
843	N434	max	0	24	3.166	11	0	24	0	24	0	24	0	24
844		min	0	1	.649	17	0	1	0	1	0	1	0	1
845	N435	max	0	24	1.647	11	0	24	0	24	0	24	0	24
846		min	0	1	.313	17	0	1	0	1	0	1	0	1
847	N436	max	0	24	2.882	11	0	24	0	24	0	24	0	24
848		min	0	1	.651	17	0	1	0	1	0	1	0	1
849	N437	max	0	24	3.002	11	0	24	0	24	0	24	0	24
850		min	0	1	.626	17	0	1	0	1	0	1	0	1
851	N438	max	0	24	1.561	11	0	24	0	24	0	24	0	24
852		min	0	1	.3	17	0	1	0	1	0	1	0	1
853	N439	max	0	24	2.732	11	0	24	0	24	0	24	0	24
854		min	0	1	.636	17	0	1	0	1	0	1	0	1
855	N440	max	0	24	2.843	11	0	24	0	24	0	24	0	24
856		min	0	1	.608	17	0	1	0	1	0	1	0	1
857	N441	max	0	24	1.477	11	0	24	0	24	0	24	0	24
858		min	0	1	.289	17	0	1	0	1	0	1	0	1
859	N442	max	0	24	2.589	11	0	24	0	24	0	24	0	24
860		min	0	1	.624	17	0	1	0	1	0	1	0	1
861	N443	max	0	24	2.692	11	0	24	0	24	0	24	0	24
862		min	0	1	.593	17	0	1	0	1	0	1	0	1
863	N444	max	0	24	1.397	11	0	24	0	24	0	24	0	24
864		min	0	1	.28	17	0	1	0	1	0	1	0	1
865	N445	max	0	24	2.453	11	0	24	0	24	0	24	0	24
866		min	0	1	.616	17	0	1	0	1	0	1	0	1
867	N446	max	0	24	2.548	11	0	24	0	24	0	24	0	24
868		min	0	1	.581	17	0	1	0	1	0	1	0	1
869	N447	max	0	24	1.321	11	0	24	0	24	0	24	0	24
870		min	0	1	.273	17	0	1	0	1	0	1	0	1
871	N448	max	0	24	2.324	11	0	24	0	24	0	24	0	24
872		min	0	1	.611	17	0	1	0	1	0	1	0	1
873	N449	max	0	24	2.411	11	0	24	0	24	0	24	0	24
874		min	0	1	.573	17	0	1	0	1	0	1	0	1
875	N450	max	0	24	1.249	11	0	24	0	24	0	24	0	24
876		min	0	1	.268	17	0	1	0	1	0	1	0	1
877	N451	max	0	24	2.208	10	0	24	0	24	0	24	0	24

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
878		min	0	1	.603	16	0	1	0	1	0	1	0	1
879	N452	max	0	24	2.281	11	0	24	0	24	0	24	0	24
880		min	0	1	.569	17	0	1	0	1	0	1	0	1
881	N453	max	0	24	1.18	11	0	24	0	24	0	24	0	24
882		min	0	1	.264	17	0	1	0	1	0	1	0	1
883	N454	max	0	24	2.109	10	0	24	0	24	0	24	0	24
884		min	0	1	.59	16	0	1	0	1	0	1	0	1
885	N455	max	0	24	2.171	10	0	24	0	24	0	24	0	24
886		min	0	1	.557	16	0	1	0	1	0	1	0	1
887	N456	max	0	24	1.116	10	0	24	0	24	0	24	0	24
888		min	0	1	.262	16	0	1	0	1	0	1	0	1
889	N457	max	0	24	2.018	10	0	24	0	24	0	24	0	24
890		min	0	1	.579	16	0	1	0	1	0	1	0	1
891	N458	max	0	24	2.072	10	0	24	0	24	0	24	0	24
892		min	0	1	.545	16	0	1	0	1	0	1	0	1
893	N459	max	0	24	1.063	10	0	24	0	24	0	24	0	24
894		min	0	1	.254	16	0	1	0	1	0	1	0	1
895	N460	max	0	24	1.934	10	0	24	0	24	0	24	0	24
896		min	0	1	.572	16	0	1	0	1	0	1	0	1
897	N461	max	0	24	1.981	10	0	24	0	24	0	24	0	24
898		min	0	1	.535	16	0	1	0	1	0	1	0	1
899	N462	max	0	24	1.013	10	0	24	0	24	0	24	0	24
900		min	0	1	.249	16	0	1	0	1	0	1	0	1
901	N463	max	0	24	1.856	10	0	24	0	24	0	24	0	24
902		min	0	1	.568	16	0	1	0	1	0	1	0	1
903	N464	max	0	24	1.897	10	0	24	0	24	0	24	0	24
904		min	0	1	.529	16	0	1	0	1	0	1	0	1
905	N465	max	0	24	.968	10	0	24	0	24	0	24	0	24
906		min	0	1	.244	16	0	1	0	1	0	1	0	1
907	N466	max	0	24	1.786	10	0	24	0	24	0	24	0	24
908		min	0	1	.568	16	0	1	0	1	0	1	0	1
909	N467	max	0	24	1.82	10	0	24	0	24	0	24	0	24
910		min	0	1	.526	16	0	1	0	1	0	1	0	1
911	N468	max	0	24	.926	10	0	24	0	24	0	24	0	24
912		min	0	1	.242	16	0	1	0	1	0	1	0	1
913	N469	max	0	24	1.722	10	0	24	0	24	0	24	0	24
914		min	0	1	.57	16	0	1	0	1	0	1	0	1
915	N470	max	0	24	1.749	10	0	24	0	24	0	24	0	24
916		min	0	1	.526	16	0	1	0	1	0	1	0	1
917	N471	max	0	24	.888	10	0	24	0	24	0	24	0	24
918		min	0	1	.241	16	0	1	0	1	0	1	0	1
919	N472	max	0	24	1.664	10	0	24	0	24	0	24	0	24
920		min	0	1	.575	16	0	1	0	1	0	1	0	1
921	N473	max	0	24	1.686	10	0	24	0	24	0	24	0	24
922		min	0	1	.529	16	0	1	0	1	0	1	0	1
923	N474	max	0	24	.853	10	0	24	0	24	0	24	0	24
924		min	0	1	.241	16	0	1	0	1	0	1	0	1
925	N475	max	0	24	1.633	9	0	24	0	24	0	24	0	24
926		min	0	1	.561	15	0	1	0	1	0	1	0	1
927	N476	max	0	24	1.628	10	0	24	0	24	0	24	0	24
928		min	0	1	.534	16	0	1	0	1	0	1	0	1
929	N477	max	0	24	.821	10	0	24	0	24	0	24	0	24

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
930		min	0	1	.243	16	0	1	0	1	0	1	0	1
931	N478	max	0	24	1.611	9	0	24	0	24	0	24	0	24
932		min	0	1	.545	15	0	1	0	1	0	1	0	1
933	N479	max	0	24	1.599	9	0	24	0	24	0	24	0	24
934		min	0	1	.519	15	0	1	0	1	0	1	0	1
935	N480	max	0	24	.793	10	0	24	0	24	0	24	0	24
936		min	0	1	.246	16	0	1	0	1	0	1	0	1
937	N481	max	0	24	1.595	9	0	24	0	24	0	24	0	24
938		min	0	1	.532	15	0	1	0	1	0	1	0	1
939	N482	max	0	24	1.577	9	0	24	0	24	0	24	0	24
940		min	0	1	.504	15	0	1	0	1	0	1	0	1
941	N483	max	0	24	.779	9	0	24	0	24	0	24	0	24
942		min	0	1	.238	15	0	1	0	1	0	1	0	1
943	N484	max	0	24	1.468	9	0	24	0	24	0	24	0	24
944		min	0	1	.463	15	0	1	0	1	0	1	0	1
945	N485	max	0	24	3.89	11	0	24	0	24	0	24	0	24
946		min	0	1	.851	17	0	1	0	1	0	1	0	1
947	N486	max	0	24	3.718	11	0	24	0	24	0	24	0	24
948		min	0	1	.817	17	0	1	0	1	0	1	0	1
949	N487	max	0	24	3.549	11	0	24	0	24	0	24	0	24
950		min	0	1	.785	17	0	1	0	1	0	1	0	1
951	N488	max	0	24	3.383	11	0	24	0	24	0	24	0	24
952		min	0	1	.757	17	0	1	0	1	0	1	0	1
953	N489	max	0	24	3.22	11	0	24	0	24	0	24	0	24
954		min	0	1	.732	17	0	1	0	1	0	1	0	1
955	N490	max	0	24	3.062	11	0	24	0	24	0	24	0	24
956		min	0	1	.71	17	0	1	0	1	0	1	0	1
957	N491	max	0	24	2.909	11	0	24	0	24	0	24	0	24
958		min	0	1	.691	17	0	1	0	1	0	1	0	1
959	N492	max	0	24	2.761	11	0	24	0	24	0	24	0	24
960		min	0	1	.676	17	0	1	0	1	0	1	0	1
961	N493	max	0	24	2.62	11	0	24	0	24	0	24	0	24
962		min	0	1	.683	17	0	1	0	1	0	1	0	1
963	N494	max	0	24	2.485	11	0	24	0	24	0	24	0	24
964		min	0	1	.655	17	0	1	0	1	0	1	0	1
965	N495	max	0	24	2.357	11	0	24	0	24	0	24	0	24
966		min	0	1	.649	17	0	1	0	1	0	1	0	1
967	N496	max	0	24	2.235	10	0	24	0	24	0	24	0	24
968		min	0	1	.647	16	0	1	0	1	0	1	0	1
969	N497	max	0	24	2.138	10	0	24	0	24	0	24	0	24
970		min	0	1	.633	16	0	1	0	1	0	1	0	1
971	N498	max	0	24	2.047	10	0	24	0	24	0	24	0	24
972		min	0	1	.621	16	0	1	0	1	0	1	0	1
973	N499	max	0	24	1.963	10	0	24	0	24	0	24	0	24
974		min	0	1	.613	16	0	1	0	1	0	1	0	1
975	N500	max	0	24	1.886	10	0	24	0	24	0	24	0	24
976		min	0	1	.609	16	0	1	0	1	0	1	0	1
977	N501	max	0	24	1.815	10	0	24	0	24	0	24	0	24
978		min	0	1	.607	16	0	1	0	1	0	1	0	1
979	N502	max	0	24	1.751	10	0	24	0	24	0	24	0	24
980		min	0	1	.609	16	0	1	0	1	0	1	0	1
981	N503	max	0	24	1.693	10	0	24	0	24	0	24	0	24

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
982		min	0	1	.613	16	0	1	0	1	0	1	0	1
983	N504	max	0	24	1.661	9	0	24	0	24	0	24	0	24
984		min	0	1	.6	15	0	1	0	1	0	1	0	1
985	N505	max	0	24	1.64	9	0	24	0	24	0	24	0	24
986		min	0	1	.584	15	0	1	0	1	0	1	0	1
987	N506	max	0	24	1.624	9	0	24	0	24	0	24	0	24
988		min	0	1	.571	15	0	1	0	1	0	1	0	1
989	N507	max	0	24	1.612	9	0	24	0	24	0	24	0	24
990		min	0	1	.56	15	0	1	0	1	0	1	0	1
991	N508	max	0	24	3.79	3	0	24	0	24	0	24	0	24
992		min	0	1	.83	21	0	1	0	1	0	1	0	1
993	N509	max	0	24	3.624	3	0	24	0	24	0	24	0	24
994		min	0	1	.797	21	0	1	0	1	0	1	0	1
995	N510	max	0	24	3.46	3	0	24	0	24	0	24	0	24
996		min	0	1	.767	21	0	1	0	1	0	1	0	1
997	N511	max	0	24	3.299	3	0	24	0	24	0	24	0	24
998		min	0	1	.739	21	0	1	0	1	0	1	0	1
999	N512	max	0	24	3.141	3	0	24	0	24	0	24	0	24
1000		min	0	1	.715	21	0	1	0	1	0	1	0	1
1001	N513	max	0	24	2.988	3	0	24	0	24	0	24	0	24
1002		min	0	1	.693	21	0	1	0	1	0	1	0	1
1003	N514	max	0	24	2.839	3	0	24	0	24	0	24	0	24
1004		min	0	1	.675	21	0	1	0	1	0	1	0	1
1005	N515	max	0	24	2.696	3	0	24	0	24	0	24	0	24
1006		min	0	1	.66	21	0	1	0	1	0	1	0	1
1007	N516	max	0	24	2.559	3	0	24	0	24	0	24	0	24
1008		min	0	1	.648	21	0	1	0	1	0	1	0	1
1009	N517	max	0	24	2.428	3	0	24	0	24	0	24	0	24
1010		min	0	1	.64	21	0	1	0	1	0	1	0	1
1011	N518	max	0	24	2.303	3	0	24	0	24	0	24	0	24
1012		min	0	1	.635	21	0	1	0	1	0	1	0	1
1013	N519	max	0	24	2.19	4	0	24	0	24	0	24	0	24
1014		min	0	1	.629	22	0	1	0	1	0	1	0	1
1015	N520	max	0	24	2.095	4	0	24	0	24	0	24	0	24
1016		min	0	1	.615	22	0	1	0	1	0	1	0	1
1017	N521	max	0	24	2.008	4	0	24	0	24	0	24	0	24
1018		min	0	1	.604	22	0	1	0	1	0	1	0	1
1019	N522	max	0	24	1.927	4	0	24	0	24	0	24	0	24
1020		min	0	1	.597	22	0	1	0	1	0	1	0	1
1021	N523	max	0	24	1.852	4	0	24	0	24	0	24	0	24
1022		min	0	1	.593	22	0	1	0	1	0	1	0	1
1023	N524	max	0	24	1.785	4	0	24	0	24	0	24	0	24
1024		min	0	1	.592	22	0	1	0	1	0	1	0	1
1025	N525	max	0	24	1.723	4	0	24	0	24	0	24	0	24
1026		min	0	1	.594	22	0	1	0	1	0	1	0	1
1027	N526	max	0	24	1.667	4	0	24	0	24	0	24	0	24
1028		min	0	1	.598	22	0	1	0	1	0	1	0	1
1029	N527	max	0	24	1.642	5	0	24	0	24	0	24	0	24
1030		min	0	1	.582	23	0	1	0	1	0	1	0	1
1031	N528	max	0	24	1.622	5	0	24	0	24	0	24	0	24
1032		min	0	1	.567	23	0	1	0	1	0	1	0	1
1033	N529	max	0	24	1.608	5	0	24	0	24	0	24	0	24

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
1034		min	0	1	.554	23	0	1	0	1	0	1	0	1
1035	N530	max	0	24	1.598	5	0	24	0	24	0	24	0	24
1036		min	0	1	.543	23	0	1	0	1	0	1	0	1
1037	N531	max	0	24	9.24	3	0	24	0	24	0	24	0	24
1038		min	0	1	2.563	21	0	1	0	1	0	1	0	1
1039	N532	max	0	24	4.762	3	0	24	0	24	0	24	0	24
1040		min	0	1	1.312	21	0	1	0	1	0	1	0	1
1041	N533	max	0	24	8.36	3	0	24	0	24	0	24	0	24
1042		min	0	1	2.608	21	0	1	0	1	0	1	0	1
1043	N534	max	0	24	4.314	3	0	24	0	24	0	24	0	24
1044		min	0	1	1.333	21	0	1	0	1	0	1	0	1
1045	N535	max	0	24	7.63	2	0	24	0	24	0	24	0	24
1046		min	0	1	2.633	20	0	1	0	1	0	1	0	1
1047	N536	max	0	24	3.953	2	0	24	0	24	0	24	0	24
1048		min	0	1	1.332	20	0	1	0	1	0	1	0	1
1049	N537	max	0	24	7.051	2	0	24	0	24	0	24	0	24
1050		min	0	1	2.663	20	0	1	0	1	0	1	0	1
1051	N538	max	0	24	3.657	2	0	24	0	24	0	24	0	24
1052		min	0	1	1.346	20	0	1	0	1	0	1	0	1
1053	N539	max	0	24	6.586	2	0	24	0	24	0	24	0	24
1054		min	0	1	2.751	20	0	1	0	1	0	1	0	1
1055	N540	max	0	24	3.418	2	0	24	0	24	0	24	0	24
1056		min	0	1	1.39	20	0	1	0	1	0	1	0	1
1057	N541	max	0	24	5.083	1	0	24	0	24	0	24	0	24
1058		min	0	1	2.259	19	0	1	0	1	0	1	0	1
1059	N542	max	0	24	8.959	3	0	24	0	24	0	24	0	24
1060		min	0	1	2.5	21	0	1	0	1	0	1	0	1
1061	N543	max	0	24	8.09	3	0	24	0	24	0	24	0	24
1062		min	0	1	2.544	21	0	1	0	1	0	1	0	1
1063	N544	max	0	24	7.347	2	0	24	0	24	0	24	0	24
1064		min	0	1	2.597	20	0	1	0	1	0	1	0	1
1065	N545	max	0	24	6.78	2	0	24	0	24	0	24	0	24
1066		min	0	1	2.629	20	0	1	0	1	0	1	0	1
1067	N546	max	0	24	6.328	2	0	24	0	24	0	24	0	24
1068		min	0	1	2.717	20	0	1	0	1	0	1	0	1
1069	N547	max	0	24	4.873	1	0	24	0	24	0	24	0	24
1070		min	0	1	2.239	19	0	1	0	1	0	1	0	1
1071	N548	max	0	24	8.67	3	0	24	0	24	0	24	0	24
1072		min	0	1	2.432	21	0	1	0	1	0	1	0	1
1073	N549	max	0	24	7.811	3	0	24	0	24	0	24	0	24
1074		min	0	1	2.477	21	0	1	0	1	0	1	0	1
1075	N550	max	0	24	7.057	2	0	24	0	24	0	24	0	24
1076		min	0	1	2.558	20	0	1	0	1	0	1	0	1
1077	N551	max	0	24	6.503	2	0	24	0	24	0	24	0	24
1078		min	0	1	2.593	20	0	1	0	1	0	1	0	1
1079	N552	max	0	24	6.063	2	0	24	0	24	0	24	0	24
1080		min	0	1	2.681	20	0	1	0	1	0	1	0	1
1081	N553	max	0	24	4.658	1	0	24	0	24	0	24	0	24
1082		min	0	1	2.217	19	0	1	0	1	0	1	0	1
1083	N554	max	0	24	7.645	3	0	24	0	24	0	24	0	24
1084		min	0	1	2.154	21	0	1	0	1	0	1	0	1
1085	N555	max	0	24	6.873	3	0	24	0	24	0	24	0	24

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
1086		min	0	1	2.2	21	0	1	0	1	0	1	0	1
1087	N556	max	0	24	6.184	3	0	24	0	24	0	24	0	24
1088		min	0	1	2.291	21	0	1	0	1	0	1	0	1
1089	N557	max	0	24	5.682	2	0	24	0	24	0	24	0	24
1090		min	0	1	2.336	20	0	1	0	1	0	1	0	1
1091	N558	max	0	24	5.292	2	0	24	0	24	0	24	0	24
1092		min	0	1	2.417	20	0	1	0	1	0	1	0	1
1093	N559	max	0	24	5.094	1	0	24	0	24	0	24	0	24
1094		min	0	1	2.264	19	0	1	0	1	0	1	0	1
1095	N560	max	0	24	6.646	12	0	24	0	24	0	24	0	24
1096		min	0	1	2.749	18	0	1	0	1	0	1	0	1
1097	N561	max	0	24	3.449	12	0	24	0	24	0	24	0	24
1098		min	0	1	1.389	18	0	1	0	1	0	1	0	1
1099	N562	max	0	24	7.136	12	0	24	0	24	0	24	0	24
1100		min	0	1	2.671	18	0	1	0	1	0	1	0	1
1101	N563	max	0	24	3.701	12	0	24	0	24	0	24	0	24
1102		min	0	1	1.35	18	0	1	0	1	0	1	0	1
1103	N564	max	0	24	7.744	12	0	24	0	24	0	24	0	24
1104		min	0	1	2.651	18	0	1	0	1	0	1	0	1
1105	N565	max	0	24	4.012	12	0	24	0	24	0	24	0	24
1106		min	0	1	1.341	18	0	1	0	1	0	1	0	1
1107	N566	max	0	24	8.515	11	0	24	0	24	0	24	0	24
1108		min	0	1	2.626	17	0	1	0	1	0	1	0	1
1109	N567	max	0	24	4.393	11	0	24	0	24	0	24	0	24
1110		min	0	1	1.342	17	0	1	0	1	0	1	0	1
1111	N568	max	0	24	9.429	11	0	24	0	24	0	24	0	24
1112		min	0	1	2.592	17	0	1	0	1	0	1	0	1
1113	N569	max	0	24	4.857	11	0	24	0	24	0	24	0	24
1114		min	0	1	1.326	17	0	1	0	1	0	1	0	1
1115	N570	max	0	24	4.885	1	0	24	0	24	0	24	0	24
1116		min	0	1	2.244	19	0	1	0	1	0	1	0	1
1117	N571	max	0	24	6.386	12	0	24	0	24	0	24	0	24
1118		min	0	1	2.715	18	0	1	0	1	0	1	0	1
1119	N572	max	0	24	6.864	12	0	24	0	24	0	24	0	24
1120		min	0	1	2.637	18	0	1	0	1	0	1	0	1
1121	N573	max	0	24	7.459	12	0	24	0	24	0	24	0	24
1122		min	0	1	2.615	18	0	1	0	1	0	1	0	1
1123	N574	max	0	24	8.241	11	0	24	0	24	0	24	0	24
1124		min	0	1	2.563	17	0	1	0	1	0	1	0	1
1125	N575	max	0	24	9.144	11	0	24	0	24	0	24	0	24
1126		min	0	1	2.529	17	0	1	0	1	0	1	0	1
1127	N576	max	0	24	4.669	1	0	24	0	24	0	24	0	24
1128		min	0	1	2.222	19	0	1	0	1	0	1	0	1
1129	N577	max	0	24	6.119	12	0	24	0	24	0	24	0	24
1130		min	0	1	2.68	18	0	1	0	1	0	1	0	1
1131	N578	max	0	24	6.585	12	0	24	0	24	0	24	0	24
1132		min	0	1	2.601	18	0	1	0	1	0	1	0	1
1133	N579	max	0	24	7.165	12	0	24	0	24	0	24	0	24
1134		min	0	1	2.576	18	0	1	0	1	0	1	0	1
1135	N580	max	0	24	7.96	11	0	24	0	24	0	24	0	24
1136		min	0	1	2.496	17	0	1	0	1	0	1	0	1
1137	N581	max	0	24	8.852	11	0	24	0	24	0	24	0	24

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

Feb 23, 2024
9:32 AM
Checked By: CS

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
1138		min	0	1	2.461	17	0	1	0	1	0	1	0	1
1139	N582	max	0	24	5.341	12	0	24	0	24	0	24	0	24
1140		min	0	1	2.416	18	0	1	0	1	0	1	0	1
1141	N583	max	0	24	5.754	12	0	24	0	24	0	24	0	24
1142		min	0	1	2.344	18	0	1	0	1	0	1	0	1
1143	N584	max	0	24	6.288	11	0	24	0	24	0	24	0	24
1144		min	0	1	2.3	17	0	1	0	1	0	1	0	1
1145	N585	max	0	24	7.004	11	0	24	0	24	0	24	0	24
1146		min	0	1	2.217	17	0	1	0	1	0	1	0	1
1147	N586	max	0	24	7.807	11	0	24	0	24	0	24	0	24
1148		min	0	1	2.181	17	0	1	0	1	0	1	0	1
1149	N587	max	0	24	3.824	1	0	24	0	24	0	24	0	24
1150		min	0	1	1.699	19	0	1	0	1	0	1	0	1
1151	N588	max	0	24	3.666	1	0	24	0	24	0	24	0	24
1152		min	0	1	1.684	19	0	1	0	1	0	1	0	1
1153	N589	max	0	24	3.504	1	0	24	0	24	0	24	0	24
1154		min	0	1	1.668	19	0	1	0	1	0	1	0	1
1155	N590	max	0	24	6.703	3	0	24	0	24	0	24	0	24
1156		min	0	1	1.897	21	0	1	0	1	0	1	0	1
1157	N591	max	0	24	6.016	3	0	24	0	24	0	24	0	24
1158		min	0	1	1.944	21	0	1	0	1	0	1	0	1
1159	N592	max	0	24	5.409	3	0	24	0	24	0	24	0	24
1160		min	0	1	2.03	21	0	1	0	1	0	1	0	1
1161	N593	max	0	24	4.948	2	0	24	0	24	0	24	0	24
1162		min	0	1	2.093	20	0	1	0	1	0	1	0	1
1163	N594	max	0	24	4.605	2	0	24	0	24	0	24	0	24
1164		min	0	1	2.166	20	0	1	0	1	0	1	0	1
1165	N595	max	0	24	6.106	3	0	24	0	24	0	24	0	24
1166		min	0	1	1.738	21	0	1	0	1	0	1	0	1
1167	N596	max	0	24	5.475	3	0	24	0	24	0	24	0	24
1168		min	0	1	1.793	21	0	1	0	1	0	1	0	1
1169	N597	max	0	24	4.922	3	0	24	0	24	0	24	0	24
1170		min	0	1	1.877	21	0	1	0	1	0	1	0	1
1171	N598	max	0	24	4.483	2	0	24	0	24	0	24	0	24
1172		min	0	1	1.958	20	0	1	0	1	0	1	0	1
1173	N599	max	0	24	4.171	2	0	24	0	24	0	24	0	24
1174		min	0	1	2.028	20	0	1	0	1	0	1	0	1
1175	N600	max	0	24	5.219	3	0	24	0	24	0	24	0	24
1176		min	0	1	1.509	21	0	1	0	1	0	1	0	1
1177	N601	max	0	24	4.687	3	0	24	0	24	0	24	0	24
1178		min	0	1	1.559	21	0	1	0	1	0	1	0	1
1179	N602	max	0	24	4.214	3	0	24	0	24	0	24	0	24
1180		min	0	1	1.637	21	0	1	0	1	0	1	0	1
1181	N603	max	0	24	3.825	2	0	24	0	24	0	24	0	24
1182		min	0	1	1.725	20	0	1	0	1	0	1	0	1
1183	N604	max	0	24	3.558	2	0	24	0	24	0	24	0	24
1184		min	0	1	1.788	20	0	1	0	1	0	1	0	1
1185	N605	max	0	24	4.648	12	0	24	0	24	0	24	0	24
1186		min	0	1	2.166	18	0	1	0	1	0	1	0	1
1187	N606	max	0	24	5.011	12	0	24	0	24	0	24	0	24
1188		min	0	1	2.1	18	0	1	0	1	0	1	0	1
1189	N607	max	0	24	5.5	11	0	24	0	24	0	24	0	24

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
1190		min	0	1	2.039	17	0	1	0	1	0	1	0	1
1191	N608	max	0	24	6.132	11	0	24	0	24	0	24	0	24
1192		min	0	1	1.961	17	0	1	0	1	0	1	0	1
1193	N609	max	0	24	6.845	11	0	24	0	24	0	24	0	24
1194		min	0	1	1.92	17	0	1	0	1	0	1	0	1
1195	N610	max	0	24	4.21	12	0	24	0	24	0	24	0	24
1196		min	0	1	2.028	18	0	1	0	1	0	1	0	1
1197	N611	max	0	24	4.54	12	0	24	0	24	0	24	0	24
1198		min	0	1	1.965	18	0	1	0	1	0	1	0	1
1199	N612	max	0	24	5.004	11	0	24	0	24	0	24	0	24
1200		min	0	1	1.886	17	0	1	0	1	0	1	0	1
1201	N613	max	0	24	5.58	11	0	24	0	24	0	24	0	24
1202		min	0	1	1.809	17	0	1	0	1	0	1	0	1
1203	N614	max	0	24	6.236	11	0	24	0	24	0	24	0	24
1204		min	0	1	1.76	17	0	1	0	1	0	1	0	1
1205	N615	max	0	24	3.591	12	0	24	0	24	0	24	0	24
1206		min	0	1	1.788	18	0	1	0	1	0	1	0	1
1207	N616	max	0	24	3.873	12	0	24	0	24	0	24	0	24
1208		min	0	1	1.731	18	0	1	0	1	0	1	0	1
1209	N617	max	0	24	4.285	11	0	24	0	24	0	24	0	24
1210		min	0	1	1.644	17	0	1	0	1	0	1	0	1
1211	N618	max	0	24	4.777	11	0	24	0	24	0	24	0	24
1212		min	0	1	1.572	17	0	1	0	1	0	1	0	1
1213	N619	max	0	24	5.33	11	0	24	0	24	0	24	0	24
1214		min	0	1	1.528	17	0	1	0	1	0	1	0	1
1215	N620	max	0	24	4.736	3	0	24	0	24	0	24	0	24
1216		min	0	1	1.385	21	0	1	0	1	0	1	0	1
1217	N621	max	0	24	4.253	3	0	24	0	24	0	24	0	24
1218		min	0	1	1.441	21	0	1	0	1	0	1	0	1
1219	N622	max	0	24	3.829	3	0	24	0	24	0	24	0	24
1220		min	0	1	1.515	21	0	1	0	1	0	1	0	1
1221	N623	max	0	24	3.464	2	0	24	0	24	0	24	0	24
1222		min	0	1	1.612	20	0	1	0	1	0	1	0	1
1223	N624	max	0	24	3.223	2	0	24	0	24	0	24	0	24
1224		min	0	1	1.672	20	0	1	0	1	0	1	0	1
1225	N625	max	0	24	2.451	1	0	24	0	24	0	24	0	24
1226		min	0	1	1.405	19	0	1	0	1	0	1	0	1
1227	N626	max	0	24	4.556	3	0	24	0	24	0	24	0	24
1228		min	0	1	1.363	21	0	1	0	1	0	1	0	1
1229	N627	max	0	24	4.102	3	0	24	0	24	0	24	0	24
1230		min	0	1	1.42	21	0	1	0	1	0	1	0	1
1231	N628	max	0	24	3.697	3	0	24	0	24	0	24	0	24
1232		min	0	1	1.496	21	0	1	0	1	0	1	0	1
1233	N629	max	0	24	3.346	3	0	24	0	24	0	24	0	24
1234		min	0	1	1.596	21	0	1	0	1	0	1	0	1
1235	N630	max	0	24	3.104	2	0	24	0	24	0	24	0	24
1236		min	0	1	1.668	20	0	1	0	1	0	1	0	1
1237	N631	max	0	24	2.356	1	0	24	0	24	0	24	0	24
1238		min	0	1	1.405	19	0	1	0	1	0	1	0	1
1239	N632	max	0	24	4.373	3	0	24	0	24	0	24	0	24
1240		min	0	1	1.343	21	0	1	0	1	0	1	0	1
1241	N633	max	0	24	3.948	3	0	24	0	24	0	24	0	24

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
1242		min	0	1	1.402	21	0	1	0	1	0	1	0	1
1243	N634	max	0	24	3.565	3	0	24	0	24	0	24	0	24
1244		min	0	1	1.481	21	0	1	0	1	0	1	0	1
1245	N635	max	0	24	3.231	3	0	24	0	24	0	24	0	24
1246		min	0	1	1.581	21	0	1	0	1	0	1	0	1
1247	N636	max	0	24	2.985	2	0	24	0	24	0	24	0	24
1248		min	0	1	1.668	20	0	1	0	1	0	1	0	1
1249	N637	max	0	24	2.266	2	0	24	0	24	0	24	0	24
1250		min	0	1	1.405	20	0	1	0	1	0	1	0	1
1251	N638	max	0	24	4.191	3	0	24	0	24	0	24	0	24
1252		min	0	1	1.326	21	0	1	0	1	0	1	0	1
1253	N639	max	0	24	3.794	3	0	24	0	24	0	24	0	24
1254		min	0	1	1.388	21	0	1	0	1	0	1	0	1
1255	N640	max	0	24	3.434	3	0	24	0	24	0	24	0	24
1256		min	0	1	1.469	21	0	1	0	1	0	1	0	1
1257	N641	max	0	24	3.118	3	0	24	0	24	0	24	0	24
1258		min	0	1	1.569	21	0	1	0	1	0	1	0	1
1259	N642	max	0	24	2.868	2	0	24	0	24	0	24	0	24
1260		min	0	1	1.672	20	0	1	0	1	0	1	0	1
1261	N643	max	0	24	2.178	2	0	24	0	24	0	24	0	24
1262		min	0	1	1.407	20	0	1	0	1	0	1	0	1
1263	N644	max	0	24	4.011	3	0	24	0	24	0	24	0	24
1264		min	0	1	1.312	21	0	1	0	1	0	1	0	1
1265	N645	max	0	24	3.642	3	0	24	0	24	0	24	0	24
1266		min	0	1	1.379	21	0	1	0	1	0	1	0	1
1267	N646	max	0	24	3.304	3	0	24	0	24	0	24	0	24
1268		min	0	1	1.461	21	0	1	0	1	0	1	0	1
1269	N647	max	0	24	3.006	3	0	24	0	24	0	24	0	24
1270		min	0	1	1.562	21	0	1	0	1	0	1	0	1
1271	N648	max	0	24	2.752	2	0	24	0	24	0	24	0	24
1272		min	0	1	1.681	20	0	1	0	1	0	1	0	1
1273	N649	max	0	24	2.092	2	0	24	0	24	0	24	0	24
1274		min	0	1	1.413	20	0	1	0	1	0	1	0	1
1275	N650	max	0	24	3.836	3	0	24	0	24	0	24	0	24
1276		min	0	1	1.302	21	0	1	0	1	0	1	0	1
1277	N651	max	0	24	3.492	3	0	24	0	24	0	24	0	24
1278		min	0	1	1.373	21	0	1	0	1	0	1	0	1
1279	N652	max	0	24	3.177	3	0	24	0	24	0	24	0	24
1280		min	0	1	1.458	21	0	1	0	1	0	1	0	1
1281	N653	max	0	24	2.897	3	0	24	0	24	0	24	0	24
1282		min	0	1	1.559	21	0	1	0	1	0	1	0	1
1283	N654	max	0	24	2.657	3	0	24	0	24	0	24	0	24
1284		min	0	1	1.678	21	0	1	0	1	0	1	0	1
1285	N655	max	0	24	2.007	2	0	24	0	24	0	24	0	24
1286		min	0	1	1.424	20	0	1	0	1	0	1	0	1
1287	N656	max	0	24	3.667	3	0	24	0	24	0	24	0	24
1288		min	0	1	1.297	21	0	1	0	1	0	1	0	1
1289	N657	max	0	24	3.347	3	0	24	0	24	0	24	0	24
1290		min	0	1	1.372	21	0	1	0	1	0	1	0	1
1291	N658	max	0	24	3.054	3	0	24	0	24	0	24	0	24
1292		min	0	1	1.46	21	0	1	0	1	0	1	0	1
1293	N659	max	0	24	2.792	3	0	24	0	24	0	24	0	24

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
1294		min	0	1	1.562	21	0	1	0	1	0	1	0	1
1295	N660	max	0	24	2.566	3	0	24	0	24	0	24	0	24
1296		min	0	1	1.679	21	0	1	0	1	0	1	0	1
1297	N661	max	0	24	1.925	2	0	24	0	24	0	24	0	24
1298		min	0	1	1.439	20	0	1	0	1	0	1	0	1
1299	N662	max	0	24	3.503	3	0	24	0	24	0	24	0	24
1300		min	0	1	1.296	21	0	1	0	1	0	1	0	1
1301	N663	max	0	24	3.207	3	0	24	0	24	0	24	0	24
1302		min	0	1	1.376	21	0	1	0	1	0	1	0	1
1303	N664	max	0	24	2.935	3	0	24	0	24	0	24	0	24
1304		min	0	1	1.467	21	0	1	0	1	0	1	0	1
1305	N665	max	0	24	2.691	3	0	24	0	24	0	24	0	24
1306		min	0	1	1.57	21	0	1	0	1	0	1	0	1
1307	N666	max	0	24	2.48	3	0	24	0	24	0	24	0	24
1308		min	0	1	1.685	21	0	1	0	1	0	1	0	1
1309	N667	max	0	24	1.849	3	0	24	0	24	0	24	0	24
1310		min	0	1	1.456	21	0	1	0	1	0	1	0	1
1311	N668	max	0	24	3.347	3	0	24	0	24	0	24	0	24
1312		min	0	1	1.3	21	0	1	0	1	0	1	0	1
1313	N669	max	0	24	3.079	4	0	24	0	24	0	24	0	24
1314		min	0	1	1.381	22	0	1	0	1	0	1	0	1
1315	N670	max	0	24	2.837	4	0	24	0	24	0	24	0	24
1316		min	0	1	1.464	22	0	1	0	1	0	1	0	1
1317	N671	max	0	24	2.615	4	0	24	0	24	0	24	0	24
1318		min	0	1	1.564	22	0	1	0	1	0	1	0	1
1319	N672	max	0	24	2.414	4	0	24	0	24	0	24	0	24
1320		min	0	1	1.681	22	0	1	0	1	0	1	0	1
1321	N673	max	0	24	1.795	4	0	24	0	24	0	24	0	24
1322		min	0	1	1.459	22	0	1	0	1	0	1	0	1
1323	N674	max	0	24	3.218	4	0	24	0	24	0	24	0	24
1324		min	0	1	1.29	22	0	1	0	1	0	1	0	1
1325	N675	max	0	24	2.983	4	0	24	0	24	0	24	0	24
1326		min	0	1	1.365	22	0	1	0	1	0	1	0	1
1327	N676	max	0	24	2.761	4	0	24	0	24	0	24	0	24
1328		min	0	1	1.451	22	0	1	0	1	0	1	0	1
1329	N677	max	0	24	2.558	4	0	24	0	24	0	24	0	24
1330		min	0	1	1.551	22	0	1	0	1	0	1	0	1
1331	N678	max	0	24	2.372	4	0	24	0	24	0	24	0	24
1332		min	0	1	1.665	22	0	1	0	1	0	1	0	1
1333	N679	max	0	24	1.785	5	0	24	0	24	0	24	0	24
1334		min	0	1	1.429	23	0	1	0	1	0	1	0	1
1335	N680	max	0	24	3.108	4	0	24	0	24	0	24	0	24
1336		min	0	1	1.275	22	0	1	0	1	0	1	0	1
1337	N681	max	0	24	2.894	4	0	24	0	24	0	24	0	24
1338		min	0	1	1.354	22	0	1	0	1	0	1	0	1
1339	N682	max	0	24	2.693	4	0	24	0	24	0	24	0	24
1340		min	0	1	1.443	22	0	1	0	1	0	1	0	1
1341	N683	max	0	24	2.507	4	0	24	0	24	0	24	0	24
1342		min	0	1	1.543	22	0	1	0	1	0	1	0	1
1343	N684	max	0	24	2.363	5	0	24	0	24	0	24	0	24
1344		min	0	1	1.629	23	0	1	0	1	0	1	0	1
1345	N685	max	0	24	1.811	6	0	24	0	24	0	24	0	24

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

Feb 23, 2024
9:32 AM
Checked By: CS

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
1346		min	0	1	1.372	24	0	1	0	1	0	1	0	1
1347	N686	max	0	24	3.006	4	0	24	0	24	0	24	0	24
1348		min	0	1	1.265	22	0	1	0	1	0	1	0	1
1349	N687	max	0	24	2.814	4	0	24	0	24	0	24	0	24
1350		min	0	1	1.349	22	0	1	0	1	0	1	0	1
1351	N688	max	0	24	2.633	4	0	24	0	24	0	24	0	24
1352		min	0	1	1.441	22	0	1	0	1	0	1	0	1
1353	N689	max	0	24	2.494	5	0	24	0	24	0	24	0	24
1354		min	0	1	1.511	23	0	1	0	1	0	1	0	1
1355	N690	max	0	24	2.375	5	0	24	0	24	0	24	0	24
1356		min	0	1	1.586	23	0	1	0	1	0	1	0	1
1357	N691	max	0	24	1.852	6	0	24	0	24	0	24	0	24
1358		min	0	1	1.31	24	0	1	0	1	0	1	0	1
1359	N692	max	0	24	2.914	4	0	24	0	24	0	24	0	24
1360		min	0	1	1.261	22	0	1	0	1	0	1	0	1
1361	N693	max	0	24	2.742	4	0	24	0	24	0	24	0	24
1362		min	0	1	1.349	22	0	1	0	1	0	1	0	1
1363	N694	max	0	24	2.608	5	0	24	0	24	0	24	0	24
1364		min	0	1	1.416	23	0	1	0	1	0	1	0	1
1365	N695	max	0	24	2.5	5	0	24	0	24	0	24	0	24
1366		min	0	1	1.474	23	0	1	0	1	0	1	0	1
1367	N696	max	0	24	2.42	6	0	24	0	24	0	24	0	24
1368		min	0	1	1.522	24	0	1	0	1	0	1	0	1
1369	N697	max	0	24	1.903	7	0	24	0	24	0	24	0	24
1370		min	0	1	1.25	13	0	1	0	1	0	1	0	1
1371	N698	max	0	24	2.831	4	0	24	0	24	0	24	0	24
1372		min	0	1	1.262	22	0	1	0	1	0	1	0	1
1373	N699	max	0	24	2.7	5	0	24	0	24	0	24	0	24
1374		min	0	1	1.335	23	0	1	0	1	0	1	0	1
1375	N700	max	0	24	2.606	5	0	24	0	24	0	24	0	24
1376		min	0	1	1.383	23	0	1	0	1	0	1	0	1
1377	N701	max	0	24	2.516	6	0	24	0	24	0	24	0	24
1378		min	0	1	1.441	24	0	1	0	1	0	1	0	1
1379	N702	max	0	24	2.482	6	0	24	0	24	0	24	0	24
1380		min	0	1	1.456	24	0	1	0	1	0	1	0	1
1381	N703	max	0	24	1.969	7	0	24	0	24	0	24	0	24
1382		min	0	1	1.186	13	0	1	0	1	0	1	0	1
1383	N704	max	0	24	2.766	5	0	24	0	24	0	24	0	24
1384		min	0	1	1.26	23	0	1	0	1	0	1	0	1
1385	N705	max	0	24	2.688	5	0	24	0	24	0	24	0	24
1386		min	0	1	1.303	23	0	1	0	1	0	1	0	1
1387	N706	max	0	24	2.613	5	0	24	0	24	0	24	0	24
1388		min	0	1	1.355	23	0	1	0	1	0	1	0	1
1389	N707	max	0	24	2.576	6	0	24	0	24	0	24	0	24
1390		min	0	1	1.378	24	0	1	0	1	0	1	0	1
1391	N708	max	0	24	2.553	6	0	24	0	24	0	24	0	24
1392		min	0	1	1.395	24	0	1	0	1	0	1	0	1
1393	N709	max	0	24	2.043	7	0	24	0	24	0	24	0	24
1394		min	0	1	1.126	13	0	1	0	1	0	1	0	1
1395	N710	max	0	24	2.744	5	0	24	0	24	0	24	0	24
1396		min	0	1	1.228	23	0	1	0	1	0	1	0	1
1397	N711	max	0	24	2.686	5	0	24	0	24	0	24	0	24

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
1398		min	0	1	1.277	23	0	1	0	1	0	1	0	1
1399	N712	max	0	24	2.644	6	0	24	0	24	0	24	0	24
1400		min	0	1	1.318	24	0	1	0	1	0	1	0	1
1401	N713	max	0	24	2.645	6	0	24	0	24	0	24	0	24
1402		min	0	1	1.321	24	0	1	0	1	0	1	0	1
1403	N714	max	0	24	2.634	6	0	24	0	24	0	24	0	24
1404		min	0	1	1.34	24	0	1	0	1	0	1	0	1
1405	N715	max	0	24	2.126	7	0	24	0	24	0	24	0	24
1406		min	0	1	1.07	13	0	1	0	1	0	1	0	1
1407	N716	max	0	24	2.731	5	0	24	0	24	0	24	0	24
1408		min	0	1	1.202	23	0	1	0	1	0	1	0	1
1409	N717	max	0	24	2.692	5	0	24	0	24	0	24	0	24
1410		min	0	1	1.256	23	0	1	0	1	0	1	0	1
1411	N718	max	0	24	2.706	6	0	24	0	24	0	24	0	24
1412		min	0	1	1.262	24	0	1	0	1	0	1	0	1
1413	N719	max	0	24	2.723	6	0	24	0	24	0	24	0	24
1414		min	0	1	1.269	24	0	1	0	1	0	1	0	1
1415	N720	max	0	24	2.728	7	0	24	0	24	0	24	0	24
1416		min	0	1	1.285	13	0	1	0	1	0	1	0	1
1417	N721	max	0	24	2.216	7	0	24	0	24	0	24	0	24
1418		min	0	1	1.018	13	0	1	0	1	0	1	0	1
1419	N722	max	0	24	2.727	5	0	24	0	24	0	24	0	24
1420		min	0	1	1.181	23	0	1	0	1	0	1	0	1
1421	N723	max	0	24	2.736	6	0	24	0	24	0	24	0	24
1422		min	0	1	1.211	24	0	1	0	1	0	1	0	1
1423	N724	max	0	24	2.778	6	0	24	0	24	0	24	0	24
1424		min	0	1	1.212	24	0	1	0	1	0	1	0	1
1425	N725	max	0	24	2.81	6	0	24	0	24	0	24	0	24
1426		min	0	1	1.222	24	0	1	0	1	0	1	0	1
1427	N726	max	0	24	2.846	7	0	24	0	24	0	24	0	24
1428		min	0	1	1.223	13	0	1	0	1	0	1	0	1
1429	N727	max	0	24	2.316	7	0	24	0	24	0	24	0	24
1430		min	0	1	.969	13	0	1	0	1	0	1	0	1
1431	N728	max	0	24	2.733	6	0	24	0	24	0	24	0	24
1432		min	0	1	1.162	24	0	1	0	1	0	1	0	1
1433	N729	max	0	24	2.797	6	0	24	0	24	0	24	0	24
1434		min	0	1	1.16	24	0	1	0	1	0	1	0	1
1435	N730	max	0	24	2.857	6	0	24	0	24	0	24	0	24
1436		min	0	1	1.166	24	0	1	0	1	0	1	0	1
1437	N731	max	0	24	2.906	6	0	24	0	24	0	24	0	24
1438		min	0	1	1.18	24	0	1	0	1	0	1	0	1
1439	N732	max	0	24	2.973	7	0	24	0	24	0	24	0	24
1440		min	0	1	1.166	13	0	1	0	1	0	1	0	1
1441	N733	max	0	24	2.424	7	0	24	0	24	0	24	0	24
1442		min	0	1	.925	13	0	1	0	1	0	1	0	1
1443	N734	max	0	24	2.785	6	0	24	0	24	0	24	0	24
1444		min	0	1	1.109	24	0	1	0	1	0	1	0	1
1445	N735	max	0	24	2.866	6	0	24	0	24	0	24	0	24
1446		min	0	1	1.114	24	0	1	0	1	0	1	0	1
1447	N736	max	0	24	2.944	6	0	24	0	24	0	24	0	24
1448		min	0	1	1.125	24	0	1	0	1	0	1	0	1
1449	N737	max	0	24	3.017	7	0	24	0	24	0	24	0	24

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
1450		min	0	1	1.136	13	0	1	0	1	0	1	0	1
1451	N738	max	0	24	3.109	7	0	24	0	24	0	24	0	24
1452		min	0	1	1.113	13	0	1	0	1	0	1	0	1
1453	N739	max	0	24	2.54	7	0	24	0	24	0	24	0	24
1454		min	0	1	.884	13	0	1	0	1	0	1	0	1
1455	N740	max	0	24	2.843	6	0	24	0	24	0	24	0	24
1456		min	0	1	1.061	24	0	1	0	1	0	1	0	1
1457	N741	max	0	24	2.942	6	0	24	0	24	0	24	0	24
1458		min	0	1	1.072	24	0	1	0	1	0	1	0	1
1459	N742	max	0	24	3.037	6	0	24	0	24	0	24	0	24
1460		min	0	1	1.089	24	0	1	0	1	0	1	0	1
1461	N743	max	0	24	3.148	7	0	24	0	24	0	24	0	24
1462		min	0	1	1.084	13	0	1	0	1	0	1	0	1
1463	N744	max	0	24	3.255	7	0	24	0	24	0	24	0	24
1464		min	0	1	1.066	13	0	1	0	1	0	1	0	1
1465	N745	max	0	24	2.666	7	0	24	0	24	0	24	0	24
1466		min	0	1	.846	13	0	1	0	1	0	1	0	1
1467	N746	max	0	24	2.907	6	0	24	0	24	0	24	0	24
1468		min	0	1	1.017	24	0	1	0	1	0	1	0	1
1469	N747	max	0	24	3.023	6	0	24	0	24	0	24	0	24
1470		min	0	1	1.034	24	0	1	0	1	0	1	0	1
1471	N748	max	0	24	3.137	6	0	24	0	24	0	24	0	24
1472		min	0	1	1.056	24	0	1	0	1	0	1	0	1
1473	N749	max	0	24	3.286	7	0	24	0	24	0	24	0	24
1474		min	0	1	1.038	13	0	1	0	1	0	1	0	1
1475	N750	max	0	24	3.409	7	0	24	0	24	0	24	0	24
1476		min	0	1	1.023	13	0	1	0	1	0	1	0	1
1477	N751	max	0	24	2.801	7	0	24	0	24	0	24	0	24
1478		min	0	1	.812	13	0	1	0	1	0	1	0	1
1479	N752	max	0	24	2.976	6	0	24	0	24	0	24	0	24
1480		min	0	1	.976	24	0	1	0	1	0	1	0	1
1481	N753	max	0	24	3.11	6	0	24	0	24	0	24	0	24
1482		min	0	1	.999	24	0	1	0	1	0	1	0	1
1483	N754	max	0	24	3.261	7	0	24	0	24	0	24	0	24
1484		min	0	1	1.008	13	0	1	0	1	0	1	0	1
1485	N755	max	0	24	3.428	7	0	24	0	24	0	24	0	24
1486		min	0	1	.995	13	0	1	0	1	0	1	0	1
1487	N756	max	0	24	3.569	7	0	24	0	24	0	24	0	24
1488		min	0	1	.987	13	0	1	0	1	0	1	0	1
1489	N757	max	0	24	2.945	7	0	24	0	24	0	24	0	24
1490		min	0	1	.781	13	0	1	0	1	0	1	0	1
1491	N758	max	0	24	2.87	6	0	24	0	24	0	24	0	24
1492		min	0	1	.883	24	0	1	0	1	0	1	0	1
1493	N759	max	0	24	3.011	6	0	24	0	24	0	24	0	24
1494		min	0	1	.91	24	0	1	0	1	0	1	0	1
1495	N760	max	0	24	3.19	7	0	24	0	24	0	24	0	24
1496		min	0	1	.905	13	0	1	0	1	0	1	0	1
1497	N761	max	0	24	3.364	7	0	24	0	24	0	24	0	24
1498		min	0	1	.901	13	0	1	0	1	0	1	0	1
1499	N762	max	0	24	3.515	7	0	24	0	24	0	24	0	24
1500		min	0	1	.899	13	0	1	0	1	0	1	0	1
1501	N763	max	0	24	2.458	12	0	24	0	24	0	24	0	24

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
1502		min	0	1	1.406	18	0	1	0	1	0	1	0	1
1503	N764	max	0	24	3.253	12	0	24	0	24	0	24	0	24
1504		min	0	1	1.672	18	0	1	0	1	0	1	0	1
1505	N765	max	0	24	3.509	11	0	24	0	24	0	24	0	24
1506		min	0	1	1.617	17	0	1	0	1	0	1	0	1
1507	N766	max	0	24	3.893	11	0	24	0	24	0	24	0	24
1508		min	0	1	1.522	17	0	1	0	1	0	1	0	1
1509	N767	max	0	24	4.334	11	0	24	0	24	0	24	0	24
1510		min	0	1	1.453	17	0	1	0	1	0	1	0	1
1511	N768	max	0	24	4.836	11	0	24	0	24	0	24	0	24
1512		min	0	1	1.403	17	0	1	0	1	0	1	0	1
1513	N769	max	0	24	2.368	12	0	24	0	24	0	24	0	24
1514		min	0	1	1.402	18	0	1	0	1	0	1	0	1
1515	N770	max	0	24	3.132	12	0	24	0	24	0	24	0	24
1516		min	0	1	1.669	18	0	1	0	1	0	1	0	1
1517	N771	max	0	24	3.392	11	0	24	0	24	0	24	0	24
1518		min	0	1	1.598	17	0	1	0	1	0	1	0	1
1519	N772	max	0	24	3.758	11	0	24	0	24	0	24	0	24
1520		min	0	1	1.504	17	0	1	0	1	0	1	0	1
1521	N773	max	0	24	4.179	11	0	24	0	24	0	24	0	24
1522		min	0	1	1.432	17	0	1	0	1	0	1	0	1
1523	N774	max	0	24	4.651	11	0	24	0	24	0	24	0	24
1524		min	0	1	1.398	17	0	1	0	1	0	1	0	1
1525	N775	max	0	24	2.278	12	0	24	0	24	0	24	0	24
1526		min	0	1	1.401	18	0	1	0	1	0	1	0	1
1527	N776	max	0	24	3.013	12	0	24	0	24	0	24	0	24
1528		min	0	1	1.669	18	0	1	0	1	0	1	0	1
1529	N777	max	0	24	3.275	11	0	24	0	24	0	24	0	24
1530		min	0	1	1.583	17	0	1	0	1	0	1	0	1
1531	N778	max	0	24	3.624	11	0	24	0	24	0	24	0	24
1532		min	0	1	1.488	17	0	1	0	1	0	1	0	1
1533	N779	max	0	24	4.022	11	0	24	0	24	0	24	0	24
1534		min	0	1	1.414	17	0	1	0	1	0	1	0	1
1535	N780	max	0	24	4.464	11	0	24	0	24	0	24	0	24
1536		min	0	1	1.36	17	0	1	0	1	0	1	0	1
1537	N781	max	0	24	2.189	12	0	24	0	24	0	24	0	24
1538		min	0	1	1.404	18	0	1	0	1	0	1	0	1
1539	N782	max	0	24	2.894	12	0	24	0	24	0	24	0	24
1540		min	0	1	1.673	18	0	1	0	1	0	1	0	1
1541	N783	max	0	24	3.16	11	0	24	0	24	0	24	0	24
1542		min	0	1	1.572	17	0	1	0	1	0	1	0	1
1543	N784	max	0	24	3.489	11	0	24	0	24	0	24	0	24
1544		min	0	1	1.476	17	0	1	0	1	0	1	0	1
1545	N785	max	0	24	3.864	11	0	24	0	24	0	24	0	24
1546		min	0	1	1.401	17	0	1	0	1	0	1	0	1
1547	N786	max	0	24	4.277	11	0	24	0	24	0	24	0	24
1548		min	0	1	1.343	17	0	1	0	1	0	1	0	1
1549	N787	max	0	24	2.102	12	0	24	0	24	0	24	0	24
1550		min	0	1	1.41	18	0	1	0	1	0	1	0	1
1551	N788	max	0	24	2.779	11	0	24	0	24	0	24	0	24
1552		min	0	1	1.68	17	0	1	0	1	0	1	0	1
1553	N789	max	0	24	3.046	11	0	24	0	24	0	24	0	24

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

Feb 23, 2024
9:32 AM
Checked By: CS

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
1554		min	0	1	1.565	17	0	1	0	1	0	1	0	1
1555	N790	max	0	24	3.357	11	0	24	0	24	0	24	0	24
1556		min	0	1	1.469	17	0	1	0	1	0	1	0	1
1557	N791	max	0	24	3.708	11	0	24	0	24	0	24	0	24
1558		min	0	1	1.391	17	0	1	0	1	0	1	0	1
1559	N792	max	0	24	4.093	11	0	24	0	24	0	24	0	24
1560		min	0	1	1.329	17	0	1	0	1	0	1	0	1
1561	N793	max	0	24	2.017	12	0	24	0	24	0	24	0	24
1562		min	0	1	1.421	18	0	1	0	1	0	1	0	1
1563	N794	max	0	24	2.684	11	0	24	0	24	0	24	0	24
1564		min	0	1	1.676	17	0	1	0	1	0	1	0	1
1565	N795	max	0	24	2.935	11	0	24	0	24	0	24	0	24
1566		min	0	1	1.562	17	0	1	0	1	0	1	0	1
1567	N796	max	0	24	3.227	11	0	24	0	24	0	24	0	24
1568		min	0	1	1.466	17	0	1	0	1	0	1	0	1
1569	N797	max	0	24	3.555	11	0	24	0	24	0	24	0	24
1570		min	0	1	1.385	17	0	1	0	1	0	1	0	1
1571	N798	max	0	24	3.913	11	0	24	0	24	0	24	0	24
1572		min	0	1	1.318	17	0	1	0	1	0	1	0	1
1573	N799	max	0	24	1.934	12	0	24	0	24	0	24	0	24
1574		min	0	1	1.436	18	0	1	0	1	0	1	0	1
1575	N800	max	0	24	2.591	11	0	24	0	24	0	24	0	24
1576		min	0	1	1.677	17	0	1	0	1	0	1	0	1
1577	N801	max	0	24	2.827	11	0	24	0	24	0	24	0	24
1578		min	0	1	1.565	17	0	1	0	1	0	1	0	1
1579	N802	max	0	24	3.1	11	0	24	0	24	0	24	0	24
1580		min	0	1	1.468	17	0	1	0	1	0	1	0	1
1581	N803	max	0	24	3.406	11	0	24	0	24	0	24	0	24
1582		min	0	1	1.384	17	0	1	0	1	0	1	0	1
1583	N804	max	0	24	3.739	11	0	24	0	24	0	24	0	24
1584		min	0	1	1.312	17	0	1	0	1	0	1	0	1
1585	N805	max	0	24	1.86	11	0	24	0	24	0	24	0	24
1586		min	0	1	1.452	17	0	1	0	1	0	1	0	1
1587	N806	max	0	24	2.503	11	0	24	0	24	0	24	0	24
1588		min	0	1	1.684	17	0	1	0	1	0	1	0	1
1589	N807	max	0	24	2.724	11	0	24	0	24	0	24	0	24
1590		min	0	1	1.573	17	0	1	0	1	0	1	0	1
1591	N808	max	0	24	2.978	11	0	24	0	24	0	24	0	24
1592		min	0	1	1.475	17	0	1	0	1	0	1	0	1
1593	N809	max	0	24	3.262	11	0	24	0	24	0	24	0	24
1594		min	0	1	1.388	17	0	1	0	1	0	1	0	1
1595	N810	max	0	24	3.571	11	0	24	0	24	0	24	0	24
1596		min	0	1	1.311	17	0	1	0	1	0	1	0	1
1597	N811	max	0	24	1.806	10	0	24	0	24	0	24	0	24
1598		min	0	1	1.455	16	0	1	0	1	0	1	0	1
1599	N812	max	0	24	2.435	10	0	24	0	24	0	24	0	24
1600		min	0	1	1.681	16	0	1	0	1	0	1	0	1
1601	N813	max	0	24	2.644	10	0	24	0	24	0	24	0	24
1602		min	0	1	1.569	16	0	1	0	1	0	1	0	1
1603	N814	max	0	24	2.875	10	0	24	0	24	0	24	0	24
1604		min	0	1	1.475	16	0	1	0	1	0	1	0	1
1605	N815	max	0	24	3.126	10	0	24	0	24	0	24	0	24

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
1606		min	0	1	1.396	16	0	1	0	1	0	1	0	1
1607	N816	max	0	24	3.41	11	0	24	0	24	0	24	0	24
1608		min	0	1	1.315	17	0	1	0	1	0	1	0	1
1609	N817	max	0	24	1.793	9	0	24	0	24	0	24	0	24
1610		min	0	1	1.426	15	0	1	0	1	0	1	0	1
1611	N818	max	0	24	2.391	10	0	24	0	24	0	24	0	24
1612		min	0	1	1.666	16	0	1	0	1	0	1	0	1
1613	N819	max	0	24	2.584	10	0	24	0	24	0	24	0	24
1614		min	0	1	1.557	16	0	1	0	1	0	1	0	1
1615	N820	max	0	24	2.797	10	0	24	0	24	0	24	0	24
1616		min	0	1	1.462	16	0	1	0	1	0	1	0	1
1617	N821	max	0	24	3.027	10	0	24	0	24	0	24	0	24
1618		min	0	1	1.38	16	0	1	0	1	0	1	0	1
1619	N822	max	0	24	3.272	10	0	24	0	24	0	24	0	24
1620		min	0	1	1.309	16	0	1	0	1	0	1	0	1
1621	N823	max	0	24	1.816	8	0	24	0	24	0	24	0	24
1622		min	0	1	1.372	14	0	1	0	1	0	1	0	1
1623	N824	max	0	24	2.378	9	0	24	0	24	0	24	0	24
1624		min	0	1	1.633	15	0	1	0	1	0	1	0	1
1625	N825	max	0	24	2.532	10	0	24	0	24	0	24	0	24
1626		min	0	1	1.549	16	0	1	0	1	0	1	0	1
1627	N826	max	0	24	2.726	10	0	24	0	24	0	24	0	24
1628		min	0	1	1.454	16	0	1	0	1	0	1	0	1
1629	N827	max	0	24	2.935	10	0	24	0	24	0	24	0	24
1630		min	0	1	1.369	16	0	1	0	1	0	1	0	1
1631	N828	max	0	24	3.158	10	0	24	0	24	0	24	0	24
1632		min	0	1	1.294	16	0	1	0	1	0	1	0	1
1633	N829	max	0	24	1.857	8	0	24	0	24	0	24	0	24
1634		min	0	1	1.311	14	0	1	0	1	0	1	0	1
1635	N830	max	0	24	2.388	9	0	24	0	24	0	24	0	24
1636		min	0	1	1.59	15	0	1	0	1	0	1	0	1
1637	N831	max	0	24	2.513	9	0	24	0	24	0	24	0	24
1638		min	0	1	1.521	15	0	1	0	1	0	1	0	1
1639	N832	max	0	24	2.663	10	0	24	0	24	0	24	0	24
1640		min	0	1	1.451	16	0	1	0	1	0	1	0	1
1641	N833	max	0	24	2.852	10	0	24	0	24	0	24	0	24
1642		min	0	1	1.364	16	0	1	0	1	0	1	0	1
1643	N834	max	0	24	3.053	10	0	24	0	24	0	24	0	24
1644		min	0	1	1.284	16	0	1	0	1	0	1	0	1
1645	N835	max	0	24	1.905	8	0	24	0	24	0	24	0	24
1646		min	0	1	1.253	14	0	1	0	1	0	1	0	1
1647	N836	max	0	24	2.428	8	0	24	0	24	0	24	0	24
1648		min	0	1	1.53	14	0	1	0	1	0	1	0	1
1649	N837	max	0	24	2.517	9	0	24	0	24	0	24	0	24
1650		min	0	1	1.484	15	0	1	0	1	0	1	0	1
1651	N838	max	0	24	2.631	9	0	24	0	24	0	24	0	24
1652		min	0	1	1.431	15	0	1	0	1	0	1	0	1
1653	N839	max	0	24	2.777	10	0	24	0	24	0	24	0	24
1654		min	0	1	1.364	16	0	1	0	1	0	1	0	1
1655	N840	max	0	24	2.957	10	0	24	0	24	0	24	0	24
1656		min	0	1	1.279	16	0	1	0	1	0	1	0	1
1657	N841	max	0	24	1.97	7	0	24	0	24	0	24	0	24

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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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
1658		min	0	1	1.19	13	0	1	0	1	0	1	0	1
1659	N842	max	0	24	2.489	8	0	24	0	24	0	24	0	24
1660		min	0	1	1.464	14	0	1	0	1	0	1	0	1
1661	N843	max	0	24	2.53	9	0	24	0	24	0	24	0	24
1662		min	0	1	1.453	15	0	1	0	1	0	1	0	1
1663	N844	max	0	24	2.627	9	0	24	0	24	0	24	0	24
1664		min	0	1	1.398	15	0	1	0	1	0	1	0	1
1665	N845	max	0	24	2.726	9	0	24	0	24	0	24	0	24
1666		min	0	1	1.355	15	0	1	0	1	0	1	0	1
1667	N846	max	0	24	2.871	10	0	24	0	24	0	24	0	24
1668		min	0	1	1.28	16	0	1	0	1	0	1	0	1
1669	N847	max	0	24	2.044	7	0	24	0	24	0	24	0	24
1670		min	0	1	1.129	13	0	1	0	1	0	1	0	1
1671	N848	max	0	24	2.56	8	0	24	0	24	0	24	0	24
1672		min	0	1	1.403	14	0	1	0	1	0	1	0	1
1673	N849	max	0	24	2.586	8	0	24	0	24	0	24	0	24
1674		min	0	1	1.392	14	0	1	0	1	0	1	0	1
1675	N850	max	0	24	2.632	9	0	24	0	24	0	24	0	24
1676		min	0	1	1.37	15	0	1	0	1	0	1	0	1
1677	N851	max	0	24	2.713	9	0	24	0	24	0	24	0	24
1678		min	0	1	1.323	15	0	1	0	1	0	1	0	1
1679	N852	max	0	24	2.796	9	0	24	0	24	0	24	0	24
1680		min	0	1	1.284	15	0	1	0	1	0	1	0	1
1681	N853	max	0	24	2.127	7	0	24	0	24	0	24	0	24
1682		min	0	1	1.073	13	0	1	0	1	0	1	0	1
1683	N854	max	0	24	2.64	8	0	24	0	24	0	24	0	24
1684		min	0	1	1.348	14	0	1	0	1	0	1	0	1
1685	N855	max	0	24	2.654	8	0	24	0	24	0	24	0	24
1686		min	0	1	1.334	14	0	1	0	1	0	1	0	1
1687	N856	max	0	24	2.656	8	0	24	0	24	0	24	0	24
1688		min	0	1	1.336	14	0	1	0	1	0	1	0	1
1689	N857	max	0	24	2.708	9	0	24	0	24	0	24	0	24
1690		min	0	1	1.296	15	0	1	0	1	0	1	0	1
1691	N858	max	0	24	2.771	9	0	24	0	24	0	24	0	24
1692		min	0	1	1.251	15	0	1	0	1	0	1	0	1
1693	N859	max	0	24	2.218	7	0	24	0	24	0	24	0	24
1694		min	0	1	1.02	13	0	1	0	1	0	1	0	1
1695	N860	max	0	24	2.732	7	0	24	0	24	0	24	0	24
1696		min	0	1	1.294	13	0	1	0	1	0	1	0	1
1697	N861	max	0	24	2.731	8	0	24	0	24	0	24	0	24
1698		min	0	1	1.282	14	0	1	0	1	0	1	0	1
1699	N862	max	0	24	2.718	8	0	24	0	24	0	24	0	24
1700		min	0	1	1.28	14	0	1	0	1	0	1	0	1
1701	N863	max	0	24	2.712	9	0	24	0	24	0	24	0	24
1702		min	0	1	1.274	15	0	1	0	1	0	1	0	1
1703	N864	max	0	24	2.756	9	0	24	0	24	0	24	0	24
1704		min	0	1	1.224	15	0	1	0	1	0	1	0	1
1705	N865	max	0	24	2.317	7	0	24	0	24	0	24	0	24
1706		min	0	1	.972	13	0	1	0	1	0	1	0	1
1707	N866	max	0	24	2.849	7	0	24	0	24	0	24	0	24
1708		min	0	1	1.231	13	0	1	0	1	0	1	0	1
1709	N867	max	0	24	2.817	8	0	24	0	24	0	24	0	24

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
1710		min	0	1	1.235	14	0	1	0	1	0	1	0	1
1711	N868	max	0	24	2.788	8	0	24	0	24	0	24	0	24
1712		min	0	1	1.229	14	0	1	0	1	0	1	0	1
1713	N869	max	0	24	2.749	8	0	24	0	24	0	24	0	24
1714		min	0	1	1.232	14	0	1	0	1	0	1	0	1
1715	N870	max	0	24	2.749	9	0	24	0	24	0	24	0	24
1716		min	0	1	1.202	15	0	1	0	1	0	1	0	1
1717	N871	max	0	24	2.425	7	0	24	0	24	0	24	0	24
1718		min	0	1	.927	13	0	1	0	1	0	1	0	1
1719	N872	max	0	24	2.976	7	0	24	0	24	0	24	0	24
1720		min	0	1	1.173	13	0	1	0	1	0	1	0	1
1721	N873	max	0	24	2.912	8	0	24	0	24	0	24	0	24
1722		min	0	1	1.192	14	0	1	0	1	0	1	0	1
1723	N874	max	0	24	2.866	8	0	24	0	24	0	24	0	24
1724		min	0	1	1.182	14	0	1	0	1	0	1	0	1
1725	N875	max	0	24	2.81	8	0	24	0	24	0	24	0	24
1726		min	0	1	1.181	14	0	1	0	1	0	1	0	1
1727	N876	max	0	24	2.751	9	0	24	0	24	0	24	0	24
1728		min	0	1	1.185	15	0	1	0	1	0	1	0	1
1729	N877	max	0	24	2.541	7	0	24	0	24	0	24	0	24
1730		min	0	1	.886	13	0	1	0	1	0	1	0	1
1731	N878	max	0	24	3.113	7	0	24	0	24	0	24	0	24
1732		min	0	1	1.12	13	0	1	0	1	0	1	0	1
1733	N879	max	0	24	3.023	7	0	24	0	24	0	24	0	24
1734		min	0	1	1.147	13	0	1	0	1	0	1	0	1
1735	N880	max	0	24	2.952	8	0	24	0	24	0	24	0	24
1736		min	0	1	1.141	14	0	1	0	1	0	1	0	1
1737	N881	max	0	24	2.877	8	0	24	0	24	0	24	0	24
1738		min	0	1	1.133	14	0	1	0	1	0	1	0	1
1739	N882	max	0	24	2.799	8	0	24	0	24	0	24	0	24
1740		min	0	1	1.133	14	0	1	0	1	0	1	0	1
1741	N883	max	0	24	2.667	7	0	24	0	24	0	24	0	24
1742		min	0	1	.848	13	0	1	0	1	0	1	0	1
1743	N884	max	0	24	3.258	7	0	24	0	24	0	24	0	24
1744		min	0	1	1.072	13	0	1	0	1	0	1	0	1
1745	N885	max	0	24	3.153	7	0	24	0	24	0	24	0	24
1746		min	0	1	1.095	13	0	1	0	1	0	1	0	1
1747	N886	max	0	24	3.044	8	0	24	0	24	0	24	0	24
1748		min	0	1	1.103	14	0	1	0	1	0	1	0	1
1749	N887	max	0	24	2.952	8	0	24	0	24	0	24	0	24
1750		min	0	1	1.091	14	0	1	0	1	0	1	0	1
1751	N888	max	0	24	2.856	8	0	24	0	24	0	24	0	24
1752		min	0	1	1.084	14	0	1	0	1	0	1	0	1
1753	N889	max	0	24	2.802	7	0	24	0	24	0	24	0	24
1754		min	0	1	.814	13	0	1	0	1	0	1	0	1
1755	N890	max	0	24	3.412	7	0	24	0	24	0	24	0	24
1756		min	0	1	1.029	13	0	1	0	1	0	1	0	1
1757	N891	max	0	24	3.29	7	0	24	0	24	0	24	0	24
1758		min	0	1	1.048	13	0	1	0	1	0	1	0	1
1759	N892	max	0	24	3.143	8	0	24	0	24	0	24	0	24
1760		min	0	1	1.07	14	0	1	0	1	0	1	0	1
1761	N893	max	0	24	3.032	8	0	24	0	24	0	24	0	24

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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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
1762		min	0	1	1.052	14	0	1	0	1	0	1	0	1
1763	N894	max	0	24	2.918	8	0	24	0	24	0	24	0	24
1764		min	0	1	1.039	14	0	1	0	1	0	1	0	1
1765	N895	max	0	24	2.946	7	0	24	0	24	0	24	0	24
1766		min	0	1	.783	13	0	1	0	1	0	1	0	1
1767	N896	max	0	24	3.571	7	0	24	0	24	0	24	0	24
1768		min	0	1	.992	13	0	1	0	1	0	1	0	1
1769	N897	max	0	24	3.432	7	0	24	0	24	0	24	0	24
1770		min	0	1	1.005	13	0	1	0	1	0	1	0	1
1771	N898	max	0	24	3.267	7	0	24	0	24	0	24	0	24
1772		min	0	1	1.021	13	0	1	0	1	0	1	0	1
1773	N899	max	0	24	3.117	8	0	24	0	24	0	24	0	24
1774		min	0	1	1.016	14	0	1	0	1	0	1	0	1
1775	N900	max	0	24	2.986	8	0	24	0	24	0	24	0	24
1776		min	0	1	.997	14	0	1	0	1	0	1	0	1
1777	N901	max	0	24	3.517	7	0	24	0	24	0	24	0	24
1778		min	0	1	.903	13	0	1	0	1	0	1	0	1
1779	N902	max	0	24	3.368	7	0	24	0	24	0	24	0	24
1780		min	0	1	.909	13	0	1	0	1	0	1	0	1
1781	N903	max	0	24	3.195	7	0	24	0	24	0	24	0	24
1782		min	0	1	.916	13	0	1	0	1	0	1	0	1
1783	N904	max	0	24	3.017	8	0	24	0	24	0	24	0	24
1784		min	0	1	.926	14	0	1	0	1	0	1	0	1
1785	N905	max	0	24	2.878	8	0	24	0	24	0	24	0	24
1786		min	0	1	.902	14	0	1	0	1	0	1	0	1
1787	N906	max	0	24	1.844	1	0	24	0	24	0	24	0	24
1788		min	0	1	1.058	19	0	1	0	1	0	1	0	1
1789	N907	max	0	24	1.773	1	0	24	0	24	0	24	0	24
1790		min	0	1	1.058	19	0	1	0	1	0	1	0	1
1791	N908	max	0	24	1.702	1	0	24	0	24	0	24	0	24
1792		min	0	1	1.061	19	0	1	0	1	0	1	0	1
1793	N909	max	0	24	1.632	1	0	24	0	24	0	24	0	24
1794		min	0	1	1.067	19	0	1	0	1	0	1	0	1
1795	N910	max	0	24	1.564	1	0	24	0	24	0	24	0	24
1796		min	0	1	1.075	19	0	1	0	1	0	1	0	1
1797	N911	max	0	24	1.497	1	0	24	0	24	0	24	0	24
1798		min	0	1	1.087	19	0	1	0	1	0	1	0	1
1799	N912	max	0	24	1.431	1	0	24	0	24	0	24	0	24
1800		min	0	1	1.103	19	0	1	0	1	0	1	0	1
1801	N913	max	0	24	1.367	1	0	24	0	24	0	24	0	24
1802		min	0	1	1.122	19	0	1	0	1	0	1	0	1
1803	N914	max	0	24	1.306	12	0	24	0	24	0	24	0	24
1804		min	0	1	1.146	18	0	1	0	1	0	1	0	1
1805	N915	max	0	24	1.32	7	0	24	0	24	0	24	0	24
1806		min	0	1	1.103	13	0	1	0	1	0	1	0	1
1807	N916	max	0	24	1.353	7	0	24	0	24	0	24	0	24
1808		min	0	1	1.046	13	0	1	0	1	0	1	0	1
1809	N917	max	0	24	1.392	7	0	24	0	24	0	24	0	24
1810		min	0	1	.992	13	0	1	0	1	0	1	0	1
1811	N918	max	0	24	1.437	7	0	24	0	24	0	24	0	24
1812		min	0	1	.941	13	0	1	0	1	0	1	0	1
1813	N919	max	0	24	1.487	7	0	24	0	24	0	24	0	24

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
1814		min	0	1	.893	13	0	1	0	1	0	1	0	1
1815	N920	max	0	24	1.544	7	0	24	0	24	0	24	0	24
1816		min	0	1	.848	13	0	1	0	1	0	1	0	1
1817	N921	max	0	24	1.606	7	0	24	0	24	0	24	0	24
1818		min	0	1	.806	13	0	1	0	1	0	1	0	1
1819	N922	max	0	24	1.675	7	0	24	0	24	0	24	0	24
1820		min	0	1	.767	13	0	1	0	1	0	1	0	1
1821	N923	max	0	24	1.751	7	0	24	0	24	0	24	0	24
1822		min	0	1	.73	13	0	1	0	1	0	1	0	1
1823	N924	max	0	24	1.833	7	0	24	0	24	0	24	0	24
1824		min	0	1	.697	13	0	1	0	1	0	1	0	1
1825	N925	max	0	24	1.922	7	0	24	0	24	0	24	0	24
1826		min	0	1	.666	13	0	1	0	1	0	1	0	1
1827	N926	max	0	24	2.018	7	0	24	0	24	0	24	0	24
1828		min	0	1	.638	13	0	1	0	1	0	1	0	1
1829	N927	max	0	24	2.122	7	0	24	0	24	0	24	0	24
1830		min	0	1	.611	13	0	1	0	1	0	1	0	1
1831	N928	max	0	24	2.235	7	0	24	0	24	0	24	0	24
1832		min	0	1	.586	13	0	1	0	1	0	1	0	1
1833	N929	max	0	24	2.21	8	0	24	0	24	0	24	0	24
1834		min	0	1	.671	14	0	1	0	1	0	1	0	1
1835	N930	max	0	24	1.739	8	0	24	0	24	0	24	0	24
1836		min	0	1	.539	14	0	1	0	1	0	1	0	1
1837	N931	max	0	24	1.577	8	0	24	0	24	0	24	0	24
1838		min	0	1	.5	14	0	1	0	1	0	1	0	1
1839	N932	max	0	24	2.252	8	0	24	0	24	0	24	0	24
1840		min	0	1	.645	14	0	1	0	1	0	1	0	1
1841	N933	max	0	24	1.768	8	0	24	0	24	0	24	0	24
1842		min	0	1	.516	14	0	1	0	1	0	1	0	1
1843	N934	max	0	24	1.6	8	0	24	0	24	0	24	0	24
1844		min	0	1	.476	14	0	1	0	1	0	1	0	1
1845	N935	max	0	24	2.296	8	0	24	0	24	0	24	0	24
1846		min	0	1	.62	14	0	1	0	1	0	1	0	1
1847	N936	max	0	24	1.799	8	0	24	0	24	0	24	0	24
1848		min	0	1	.493	14	0	1	0	1	0	1	0	1
1849	N937	max	0	24	1.626	8	0	24	0	24	0	24	0	24
1850		min	0	1	.453	14	0	1	0	1	0	1	0	1
1851	N938	max	0	24	2.234	8	0	24	0	24	0	24	0	24
1852		min	0	1	.575	14	0	1	0	1	0	1	0	1
1853	N939	max	0	24	1.39	9	0	24	0	24	0	24	0	24
1854		min	0	1	.453	15	0	1	0	1	0	1	0	1
1855	N940	max	0	24	1.366	9	0	24	0	24	0	24	0	24
1856		min	0	1	.426	15	0	1	0	1	0	1	0	1
1857	N941	max	0	24	.671	9	0	24	0	24	0	24	0	24
1858		min	0	1	.199	15	0	1	0	1	0	1	0	1
1859	N942	max	0	24	1.4	8	0	24	0	24	0	24	0	24
1860		min	0	1	.433	14	0	1	0	1	0	1	0	1
1861	N943	max	0	24	1.359	9	0	24	0	24	0	24	0	24
1862		min	0	1	.419	15	0	1	0	1	0	1	0	1
1863	N944	max	0	24	.666	9	0	24	0	24	0	24	0	24
1864		min	0	1	.195	15	0	1	0	1	0	1	0	1
1865	N945	max	0	24	1.417	8	0	24	0	24	0	24	0	24

Company : Tower Engineering Professionals
Designer : anhowe
Job Number : TEP No. 72508.917486
Model Name : North Canaan CT (17226430)

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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
1866		min	0	1	.409	14	0	1	0	1	0	1	0	1
1867	N946	max	0	24	1.366	8	0	24	0	24	0	24	0	24
1868		min	0	1	.402	14	0	1	0	1	0	1	0	1
1869	N947	max	0	24	.662	9	0	24	0	24	0	24	0	24
1870		min	0	1	.192	15	0	1	0	1	0	1	0	1
1871	N948	max	0	24	1.686	8	0	24	0	24	0	24	0	24
1872		min	0	1	.461	14	0	1	0	1	0	1	0	1
1873	N949	max	0	24	1.43	8	0	24	0	24	0	24	0	24
1874		min	0	1	.463	14	0	1	0	1	0	1	0	1
1875	N950	max	0	24	1.449	8	0	24	0	24	0	24	0	24
1876		min	0	1	.439	14	0	1	0	1	0	1	0	1
1877	N951	max	0	24	1.469	8	0	24	0	24	0	24	0	24
1878		min	0	1	.417	14	0	1	0	1	0	1	0	1
1879	N952	max	0	24	1.884	7	0	24	0	24	0	24	0	24
1880		min	0	1	.368	13	0	1	0	1	0	1	0	1
1881	N953	max	0	24	1.69	8	0	24	0	24	0	24	0	24
1882		min	0	1	.335	14	0	1	0	1	0	1	0	1
1883	N954	max	0	24	1.932	7	0	24	0	24	0	24	0	24
1884		min	0	1	.332	13	0	1	0	1	0	1	0	1
1885	N955	max	0	24	1.722	7	0	24	0	24	0	24	0	24
1886		min	0	1	.311	13	0	1	0	1	0	1	0	1
1887	N956	max	0	24	1.981	7	0	24	0	24	0	24	0	24
1888		min	0	1	.295	13	0	1	0	1	0	1	0	1
1889	N957	max	0	24	1.766	7	0	24	0	24	0	24	0	24
1890		min	0	1	.275	13	0	1	0	1	0	1	0	1
1891	N958	max	0	24	1.622	8	0	24	0	24	0	24	0	24
1892		min	0	1	.322	14	0	1	0	1	0	1	0	1
1893	N959	max	0	24	1.65	8	0	24	0	24	0	24	0	24
1894		min	0	1	.299	14	0	1	0	1	0	1	0	1
1895	N960	max	0	24	1.68	7	0	24	0	24	0	24	0	24
1896		min	0	1	.275	13	0	1	0	1	0	1	0	1
1897	N961	max	0	24	1.556	8	0	24	0	24	0	24	0	24
1898		min	0	1	.31	14	0	1	0	1	0	1	0	1
1899	N962	max	0	24	1.801	8	0	24	0	24	0	24	0	24
1900		min	0	1	.393	14	0	1	0	1	0	1	0	1
1901	N963	max	0	24	.745	8	0	24	0	24	0	24	0	24
1902		min	0	1	.149	14	0	1	0	1	0	1	0	1
1903	N964	max	0	24	1.582	8	0	24	0	24	0	24	0	24
1904		min	0	1	.286	14	0	1	0	1	0	1	0	1
1905	N965	max	0	24	.758	8	0	24	0	24	0	24	0	24
1906		min	0	1	.137	14	0	1	0	1	0	1	0	1
1907	N966	max	0	24	1.609	8	0	24	0	24	0	24	0	24
1908		min	0	1	.263	14	0	1	0	1	0	1	0	1
1909	N967	max	0	24	.771	8	0	24	0	24	0	24	0	24
1910		min	0	1	.125	14	0	1	0	1	0	1	0	1
1911	N968	max	0	24	.818	8	0	24	0	24	0	24	0	24
1912		min	0	1	.12	14	0	1	0	1	0	1	0	1
1913	N969	max	0	24	2.74	7	0	24	0	24	0	24	0	24
1914		min	0	1	.484	13	0	1	0	1	0	1	0	1
1915	N970	max	0	24	2.117	7	0	24	0	24	0	24	0	24
1916		min	0	1	.392	13	0	1	0	1	0	1	0	1
1917	N971	max	0	24	2.427	7	0	24	0	24	0	24	0	24

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
1918		min	0	1	.505	13	0	1	0	1	0	1	0	1
1919	N972	max	0	24	2.811	7	0	24	0	24	0	24	0	24
1920		min	0	1	.441	13	0	1	0	1	0	1	0	1
1921	N973	max	0	24	2.172	7	0	24	0	24	0	24	0	24
1922		min	0	1	.355	13	0	1	0	1	0	1	0	1
1923	N974	max	0	24	2.883	7	0	24	0	24	0	24	0	24
1924		min	0	1	.397	13	0	1	0	1	0	1	0	1
1925	N975	max	0	24	2.226	7	0	24	0	24	0	24	0	24
1926		min	0	1	.317	13	0	1	0	1	0	1	0	1
1927	N976	max	0	24	1.14	7	0	24	0	24	0	24	0	24
1928		min	0	1	.139	13	0	1	0	1	0	1	0	1
1929	N977	max	0	24	2.707	8	0	24	0	24	0	24	0	24
1930		min	0	1	.636	14	0	1	0	1	0	1	0	1
1931	N978	max	0	24	2.029	8	0	24	0	24	0	24	0	24
1932		min	0	1	.497	14	0	1	0	1	0	1	0	1
1933	N979	max	0	24	2.843	7	0	24	0	24	0	24	0	24
1934		min	0	1	.658	13	0	1	0	1	0	1	0	1
1935	N980	max	0	24	3.428	7	0	24	0	24	0	24	0	24
1936		min	0	1	.826	13	0	1	0	1	0	1	0	1
1937	N981	max	0	24	3.273	7	0	24	0	24	0	24	0	24
1938		min	0	1	.824	13	0	1	0	1	0	1	0	1
1939	N982	max	0	24	3.096	7	0	24	0	24	0	24	0	24
1940		min	0	1	.824	13	0	1	0	1	0	1	0	1
1941	N983	max	0	24	2.913	7	0	24	0	24	0	24	0	24
1942		min	0	1	.831	13	0	1	0	1	0	1	0	1
1943	N984	max	0	24	2.757	8	0	24	0	24	0	24	0	24
1944		min	0	1	.817	14	0	1	0	1	0	1	0	1
1945	N985	max	0	24	2.96	7	0	24	0	24	0	24	0	24
1946		min	0	1	.653	13	0	1	0	1	0	1	0	1
1947	N986	max	0	24	3.562	7	0	24	0	24	0	24	0	24
1948		min	0	1	.807	13	0	1	0	1	0	1	0	1
1949	N987	max	0	24	3.388	7	0	24	0	24	0	24	0	24
1950		min	0	1	.797	13	0	1	0	1	0	1	0	1
1951	N988	max	0	24	3.198	7	0	24	0	24	0	24	0	24
1952		min	0	1	.791	13	0	1	0	1	0	1	0	1
1953	N989	max	0	24	3.003	7	0	24	0	24	0	24	0	24
1954		min	0	1	.792	13	0	1	0	1	0	1	0	1
1955	N990	max	0	24	2.818	8	0	24	0	24	0	24	0	24
1956		min	0	1	.79	14	0	1	0	1	0	1	0	1
1957	N991	max	0	24	3.086	7	0	24	0	24	0	24	0	24
1958		min	0	1	.65	13	0	1	0	1	0	1	0	1
1959	N992	max	0	24	3.693	7	0	24	0	24	0	24	0	24
1960		min	0	1	.79	13	0	1	0	1	0	1	0	1
1961	N993	max	0	24	3.502	7	0	24	0	24	0	24	0	24
1962		min	0	1	.771	13	0	1	0	1	0	1	0	1
1963	N994	max	0	24	3.3	7	0	24	0	24	0	24	0	24
1964		min	0	1	.759	13	0	1	0	1	0	1	0	1
1965	N995	max	0	24	3.093	7	0	24	0	24	0	24	0	24
1966		min	0	1	.754	13	0	1	0	1	0	1	0	1
1967	N996	max	0	24	2.888	7	0	24	0	24	0	24	0	24
1968		min	0	1	.757	13	0	1	0	1	0	1	0	1
1969	N997	max	0	24	4.651	7	0	24	0	24	0	24	0	24

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
1970		min	0	1	.936	13	0	1	0	1	0	1	0	1
1971	N998	max	0	24	4.41	7	0	24	0	24	0	24	0	24
1972		min	0	1	.91	13	0	1	0	1	0	1	0	1
1973	N999	max	0	24	4.149	7	0	24	0	24	0	24	0	24
1974		min	0	1	.887	13	0	1	0	1	0	1	0	1
1975	N1000	max	0	24	3.884	7	0	24	0	24	0	24	0	24
1976		min	0	1	.875	13	0	1	0	1	0	1	0	1
1977	N1001	max	0	24	3.622	7	0	24	0	24	0	24	0	24
1978		min	0	1	.872	13	0	1	0	1	0	1	0	1
1979	N1002	max	0	24	2.203	6	0	24	0	24	0	24	0	24
1980		min	0	1	.655	24	0	1	0	1	0	1	0	1
1981	N1003	max	0	24	2.75	6	0	24	0	24	0	24	0	24
1982		min	0	1	.8	24	0	1	0	1	0	1	0	1
1983	N1004	max	0	24	2.907	7	0	24	0	24	0	24	0	24
1984		min	0	1	.819	13	0	1	0	1	0	1	0	1
1985	N1005	max	0	24	3.092	7	0	24	0	24	0	24	0	24
1986		min	0	1	.815	13	0	1	0	1	0	1	0	1
1987	N1006	max	0	24	3.27	7	0	24	0	24	0	24	0	24
1988		min	0	1	.817	13	0	1	0	1	0	1	0	1
1989	N1007	max	0	24	3.426	7	0	24	0	24	0	24	0	24
1990		min	0	1	.822	13	0	1	0	1	0	1	0	1
1991	N1008	max	0	24	2.842	7	0	24	0	24	0	24	0	24
1992		min	0	1	.657	13	0	1	0	1	0	1	0	1
1993	N1009	max	0	24	2.246	6	0	24	0	24	0	24	0	24
1994		min	0	1	.629	24	0	1	0	1	0	1	0	1
1995	N1010	max	0	24	2.812	6	0	24	0	24	0	24	0	24
1996		min	0	1	.774	24	0	1	0	1	0	1	0	1
1997	N1011	max	0	24	2.997	7	0	24	0	24	0	24	0	24
1998		min	0	1	.78	13	0	1	0	1	0	1	0	1
1999	N1012	max	0	24	3.194	7	0	24	0	24	0	24	0	24
2000		min	0	1	.782	13	0	1	0	1	0	1	0	1
2001	N1013	max	0	24	3.385	7	0	24	0	24	0	24	0	24
2002		min	0	1	.791	13	0	1	0	1	0	1	0	1
2003	N1014	max	0	24	3.56	7	0	24	0	24	0	24	0	24
2004		min	0	1	.803	13	0	1	0	1	0	1	0	1
2005	N1015	max	0	24	2.96	7	0	24	0	24	0	24	0	24
2006		min	0	1	.651	13	0	1	0	1	0	1	0	1
2007	N1016	max	0	24	2.291	6	0	24	0	24	0	24	0	24
2008		min	0	1	.605	24	0	1	0	1	0	1	0	1
2009	N1017	max	0	24	2.882	7	0	24	0	24	0	24	0	24
2010		min	0	1	.743	13	0	1	0	1	0	1	0	1
2011	N1018	max	0	24	3.088	7	0	24	0	24	0	24	0	24
2012		min	0	1	.743	13	0	1	0	1	0	1	0	1
2013	N1019	max	0	24	3.297	7	0	24	0	24	0	24	0	24
2014		min	0	1	.751	13	0	1	0	1	0	1	0	1
2015	N1020	max	0	24	3.499	7	0	24	0	24	0	24	0	24
2016		min	0	1	.765	13	0	1	0	1	0	1	0	1
2017	N1021	max	0	24	3.691	7	0	24	0	24	0	24	0	24
2018		min	0	1	.786	13	0	1	0	1	0	1	0	1
2019	N1022	max	0	24	3.085	7	0	24	0	24	0	24	0	24
2020		min	0	1	.649	13	0	1	0	1	0	1	0	1
2021	N1023	max	0	24	3.615	7	0	24	0	24	0	24	0	24

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
2022		min	0	1	.856	13	0	1	0	1	0	1	0	1
2023	N1024	max	0	24	3.879	7	0	24	0	24	0	24	0	24
2024		min	0	1	.862	13	0	1	0	1	0	1	0	1
2025	N1025	max	0	24	4.145	7	0	24	0	24	0	24	0	24
2026		min	0	1	.878	13	0	1	0	1	0	1	0	1
2027	N1026	max	0	24	4.407	7	0	24	0	24	0	24	0	24
2028		min	0	1	.903	13	0	1	0	1	0	1	0	1
2029	N1027	max	0	24	4.649	7	0	24	0	24	0	24	0	24
2030		min	0	1	.932	13	0	1	0	1	0	1	0	1
2031	N1028	max	0	24	3.762	7	0	24	0	24	0	24	0	24
2032		min	0	1	.606	13	0	1	0	1	0	1	0	1
2033	N1029	max	0	24	4.515	7	0	24	0	24	0	24	0	24
2034		min	0	1	.718	13	0	1	0	1	0	1	0	1
2035	N1030	max	0	24	5.175	7	0	24	0	24	0	24	0	24
2036		min	0	1	.877	13	0	1	0	1	0	1	0	1
2037	N1031	max	0	24	4.283	7	0	24	0	24	0	24	0	24
2038		min	0	1	.675	13	0	1	0	1	0	1	0	1
2039	N1032	max	0	24	4.908	7	0	24	0	24	0	24	0	24
2040		min	0	1	.835	13	0	1	0	1	0	1	0	1
2041	N1033	max	0	24	4.029	7	0	24	0	24	0	24	0	24
2042		min	0	1	.638	13	0	1	0	1	0	1	0	1
2043	N1034	max	0	24	4.613	7	0	24	0	24	0	24	0	24
2044		min	0	1	.795	13	0	1	0	1	0	1	0	1
2045	N1035	max	0	24	3.765	7	0	24	0	24	0	24	0	24
2046		min	0	1	.608	13	0	1	0	1	0	1	0	1
2047	N1036	max	0	24	4.311	7	0	24	0	24	0	24	0	24
2048		min	0	1	.765	13	0	1	0	1	0	1	0	1
2049	N1037	max	0	24	3.501	7	0	24	0	24	0	24	0	24
2050		min	0	1	.586	13	0	1	0	1	0	1	0	1
2051	N1038	max	0	24	4.012	7	0	24	0	24	0	24	0	24
2052		min	0	1	.745	13	0	1	0	1	0	1	0	1
2053	N1039	max	0	24	3.831	7	0	24	0	24	0	24	0	24
2054		min	0	1	.574	13	0	1	0	1	0	1	0	1
2055	N1040	max	0	24	4.623	7	0	24	0	24	0	24	0	24
2056		min	0	1	.684	13	0	1	0	1	0	1	0	1
2057	N1041	max	0	24	4.397	7	0	24	0	24	0	24	0	24
2058		min	0	1	.641	13	0	1	0	1	0	1	0	1
2059	N1042	max	0	24	4.138	7	0	24	0	24	0	24	0	24
2060		min	0	1	.6	13	0	1	0	1	0	1	0	1
2061	N1043	max	0	24	3.866	7	0	24	0	24	0	24	0	24
2062		min	0	1	.566	13	0	1	0	1	0	1	0	1
2063	N1044	max	0	24	3.594	7	0	24	0	24	0	24	0	24
2064		min	0	1	.539	13	0	1	0	1	0	1	0	1
2065	N1045	max	0	24	3.912	7	0	24	0	24	0	24	0	24
2066		min	0	1	.545	13	0	1	0	1	0	1	0	1
2067	N1046	max	0	24	4.733	7	0	24	0	24	0	24	0	24
2068		min	0	1	.649	13	0	1	0	1	0	1	0	1
2069	N1047	max	0	24	4.51	7	0	24	0	24	0	24	0	24
2070		min	0	1	.606	13	0	1	0	1	0	1	0	1
2071	N1048	max	0	24	4.247	7	0	24	0	24	0	24	0	24
2072		min	0	1	.562	13	0	1	0	1	0	1	0	1
2073	N1049	max	0	24	3.967	7	0	24	0	24	0	24	0	24

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Designer : anhowe
Job Number : TEP No. 72508.917486
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Checked By: CS

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
2074		min	0	1	.523	13	0	1	0	1	0	1	0	1
2075	N1050	max	0	24	3.687	7	0	24	0	24	0	24	0	24
2076		min	0	1	.492	13	0	1	0	1	0	1	0	1
2077	N1051	max	0	24	2.424	7	0	24	0	24	0	24	0	24
2078		min	0	1	.308	13	0	1	0	1	0	1	0	1
2079	N1052	max	0	24	2.313	7	0	24	0	24	0	24	0	24
2080		min	0	1	.285	13	0	1	0	1	0	1	0	1
2081	N1053	max	0	24	2.178	7	0	24	0	24	0	24	0	24
2082		min	0	1	.261	13	0	1	0	1	0	1	0	1
2083	N1054	max	0	24	2.034	7	0	24	0	24	0	24	0	24
2084		min	0	1	.239	13	0	1	0	1	0	1	0	1
2085	N1055	max	0	24	1.89	7	0	24	0	24	0	24	0	24
2086		min	0	1	.222	13	0	1	0	1	0	1	0	1
2087	N1056	max	0	24	2.735	7	0	24	0	24	0	24	0	24
2088		min	0	1	.474	13	0	1	0	1	0	1	0	1
2089	N1057	max	0	24	3.497	7	0	24	0	24	0	24	0	24
2090		min	0	1	.577	13	0	1	0	1	0	1	0	1
2091	N1058	max	0	24	4.006	7	0	24	0	24	0	24	0	24
2092		min	0	1	.733	13	0	1	0	1	0	1	0	1
2093	N1059	max	0	24	3.762	7	0	24	0	24	0	24	0	24
2094		min	0	1	.601	13	0	1	0	1	0	1	0	1
2095	N1060	max	0	24	4.307	7	0	24	0	24	0	24	0	24
2096		min	0	1	.756	13	0	1	0	1	0	1	0	1
2097	N1061	max	0	24	4.027	7	0	24	0	24	0	24	0	24
2098		min	0	1	.633	13	0	1	0	1	0	1	0	1
2099	N1062	max	0	24	4.61	7	0	24	0	24	0	24	0	24
2100		min	0	1	.788	13	0	1	0	1	0	1	0	1
2101	N1063	max	0	24	4.282	7	0	24	0	24	0	24	0	24
2102		min	0	1	.672	13	0	1	0	1	0	1	0	1
2103	N1064	max	0	24	4.906	7	0	24	0	24	0	24	0	24
2104		min	0	1	.83	13	0	1	0	1	0	1	0	1
2105	N1065	max	0	24	4.514	7	0	24	0	24	0	24	0	24
2106		min	0	1	.716	13	0	1	0	1	0	1	0	1
2107	N1066	max	0	24	5.174	7	0	24	0	24	0	24	0	24
2108		min	0	1	.874	13	0	1	0	1	0	1	0	1
2109	N1067	max	0	24	3.762	7	0	24	0	24	0	24	0	24
2110		min	0	1	.606	13	0	1	0	1	0	1	0	1
2111	N1068	max	0	24	2.807	7	0	24	0	24	0	24	0	24
2112		min	0	1	.432	13	0	1	0	1	0	1	0	1
2113	N1069	max	0	24	3.591	7	0	24	0	24	0	24	0	24
2114		min	0	1	.531	13	0	1	0	1	0	1	0	1
2115	N1070	max	0	24	3.863	7	0	24	0	24	0	24	0	24
2116		min	0	1	.56	13	0	1	0	1	0	1	0	1
2117	N1071	max	0	24	4.136	7	0	24	0	24	0	24	0	24
2118		min	0	1	.596	13	0	1	0	1	0	1	0	1
2119	N1072	max	0	24	4.396	7	0	24	0	24	0	24	0	24
2120		min	0	1	.638	13	0	1	0	1	0	1	0	1
2121	N1073	max	0	24	4.622	7	0	24	0	24	0	24	0	24
2122		min	0	1	.682	13	0	1	0	1	0	1	0	1
2123	N1074	max	0	24	3.831	7	0	24	0	24	0	24	0	24
2124		min	0	1	.573	13	0	1	0	1	0	1	0	1
2125	N1075	max	0	24	2.879	7	0	24	0	24	0	24	0	24

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
2126		min	0	1	.389	13	0	1	0	1	0	1	0	1
2127	N1076	max	0	24	3.684	7	0	24	0	24	0	24	0	24
2128		min	0	1	.485	13	0	1	0	1	0	1	0	1
2129	N1077	max	0	24	3.965	7	0	24	0	24	0	24	0	24
2130		min	0	1	.518	13	0	1	0	1	0	1	0	1
2131	N1078	max	0	24	4.245	7	0	24	0	24	0	24	0	24
2132		min	0	1	.558	13	0	1	0	1	0	1	0	1
2133	N1079	max	0	24	4.509	7	0	24	0	24	0	24	0	24
2134		min	0	1	.604	13	0	1	0	1	0	1	0	1
2135	N1080	max	0	24	4.732	7	0	24	0	24	0	24	0	24
2136		min	0	1	.648	13	0	1	0	1	0	1	0	1
2137	N1081	max	0	24	3.912	7	0	24	0	24	0	24	0	24
2138		min	0	1	.544	13	0	1	0	1	0	1	0	1
2139	N1082	max	0	24	1.889	7	0	24	0	24	0	24	0	24
2140		min	0	1	.219	13	0	1	0	1	0	1	0	1
2141	N1083	max	0	24	2.033	7	0	24	0	24	0	24	0	24
2142		min	0	1	.237	13	0	1	0	1	0	1	0	1
2143	N1084	max	0	24	2.177	7	0	24	0	24	0	24	0	24
2144		min	0	1	.26	13	0	1	0	1	0	1	0	1
2145	N1085	max	0	24	2.312	7	0	24	0	24	0	24	0	24
2146		min	0	1	.284	13	0	1	0	1	0	1	0	1
2147	N1086	max	0	24	2.424	7	0	24	0	24	0	24	0	24
2148		min	0	1	.307	13	0	1	0	1	0	1	0	1
2149	N1087	max	0	24	5.744	7	0	24	0	24	0	24	0	24
2150		min	0	1	1.071	13	0	1	0	1	0	1	0	1
2151	N1088	max	0	24	5.428	7	0	24	0	24	0	24	0	24
2152		min	0	1	1.017	13	0	1	0	1	0	1	0	1
2153	N1089	max	0	24	5.104	7	0	24	0	24	0	24	0	24
2154		min	0	1	.981	13	0	1	0	1	0	1	0	1
2155	N1090	max	0	24	4.772	7	0	24	0	24	0	24	0	24
2156		min	0	1	.956	13	0	1	0	1	0	1	0	1
2157	N1091	max	0	24	4.444	7	0	24	0	24	0	24	0	24
2158		min	0	1	.943	13	0	1	0	1	0	1	0	1
2159	N1092	max	0	24	4.437	7	0	24	0	24	0	24	0	24
2160		min	0	1	.927	13	0	1	0	1	0	1	0	1
2161	N1093	max	0	24	4.767	7	0	24	0	24	0	24	0	24
2162		min	0	1	.944	13	0	1	0	1	0	1	0	1
2163	N1094	max	0	24	5.1	7	0	24	0	24	0	24	0	24
2164		min	0	1	.972	13	0	1	0	1	0	1	0	1
2165	N1095	max	0	24	5.425	7	0	24	0	24	0	24	0	24
2166		min	0	1	1.01	13	0	1	0	1	0	1	0	1
2167	N1096	max	0	24	5.742	7	0	24	0	24	0	24	0	24
2168		min	0	1	1.067	13	0	1	0	1	0	1	0	1
2169	N1097	max	0	24	2.856	7	0	24	0	24	0	24	0	24
2170		min	0	1	.459	13	0	1	0	1	0	1	0	1
2171	N1098	max	0	24	2.907	7	0	24	0	24	0	24	0	24
2172		min	0	1	.436	13	0	1	0	1	0	1	0	1
2173	N1099	max	0	24	2.966	7	0	24	0	24	0	24	0	24
2174		min	0	1	.414	13	0	1	0	1	0	1	0	1
2175	N1100	max	0	24	2.161	7	0	24	0	24	0	24	0	24
2176		min	0	1	.493	13	0	1	0	1	0	1	0	1
2177	N1101	max	0	24	2.248	7	0	24	0	24	0	24	0	24

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
2178		min	0	1	.492	13	0	1	0	1	0	1	0	1
2179	N1102	max	0	24	2.343	7	0	24	0	24	0	24	0	24
2180		min	0	1	.49	13	0	1	0	1	0	1	0	1
2181	N1103	max	0	24	.664	5	0	24	0	24	0	24	0	24
2182		min	0	1	.191	23	0	1	0	1	0	1	0	1
2183	N1104	max	0	24	1.354	5	0	24	0	24	0	24	0	24
2184		min	0	1	.41	23	0	1	0	1	0	1	0	1
2185	N1105	max	0	24	1.379	5	0	24	0	24	0	24	0	24
2186		min	0	1	.438	23	0	1	0	1	0	1	0	1
2187	N1106	max	0	24	.66	5	0	24	0	24	0	24	0	24
2188		min	0	1	.187	23	0	1	0	1	0	1	0	1
2189	N1107	max	0	24	1.348	5	0	24	0	24	0	24	0	24
2190		min	0	1	.404	23	0	1	0	1	0	1	0	1
2191	N1108	max	0	24	1.392	6	0	24	0	24	0	24	0	24
2192		min	0	1	.417	24	0	1	0	1	0	1	0	1
2193	N1109	max	0	24	.657	5	0	24	0	24	0	24	0	24
2194		min	0	1	.184	23	0	1	0	1	0	1	0	1
2195	N1110	max	0	24	1.358	6	0	24	0	24	0	24	0	24
2196		min	0	1	.385	24	0	1	0	1	0	1	0	1
2197	N1111	max	0	24	1.41	6	0	24	0	24	0	24	0	24
2198		min	0	1	.394	24	0	1	0	1	0	1	0	1
2199	N1112	max	0	24	1.677	6	0	24	0	24	0	24	0	24
2200		min	0	1	.442	24	0	1	0	1	0	1	0	1
2201	N1113	max	0	24	1.569	6	0	24	0	24	0	24	0	24
2202		min	0	1	.485	24	0	1	0	1	0	1	0	1
2203	N1114	max	0	24	1.732	6	0	24	0	24	0	24	0	24
2204		min	0	1	.524	24	0	1	0	1	0	1	0	1
2205	N1115	max	0	24	1.594	6	0	24	0	24	0	24	0	24
2206		min	0	1	.461	24	0	1	0	1	0	1	0	1
2207	N1116	max	0	24	1.762	6	0	24	0	24	0	24	0	24
2208		min	0	1	.501	24	0	1	0	1	0	1	0	1
2209	N1117	max	0	24	1.619	6	0	24	0	24	0	24	0	24
2210		min	0	1	.439	24	0	1	0	1	0	1	0	1
2211	N1118	max	0	24	1.794	6	0	24	0	24	0	24	0	24
2212		min	0	1	.48	24	0	1	0	1	0	1	0	1
2213	N1119	max	0	24	2.229	6	0	24	0	24	0	24	0	24
2214		min	0	1	.56	24	0	1	0	1	0	1	0	1
2215	N1120	max	0	24	.742	6	0	24	0	24	0	24	0	24
2216		min	0	1	.141	24	0	1	0	1	0	1	0	1
2217	N1121	max	0	24	1.551	6	0	24	0	24	0	24	0	24
2218		min	0	1	.296	24	0	1	0	1	0	1	0	1
2219	N1122	max	0	24	1.795	6	0	24	0	24	0	24	0	24
2220		min	0	1	.376	24	0	1	0	1	0	1	0	1
2221	N1123	max	0	24	1.618	6	0	24	0	24	0	24	0	24
2222		min	0	1	.31	24	0	1	0	1	0	1	0	1
2223	N1124	max	0	24	.755	6	0	24	0	24	0	24	0	24
2224		min	0	1	.13	24	0	1	0	1	0	1	0	1
2225	N1125	max	0	24	1.579	6	0	24	0	24	0	24	0	24
2226		min	0	1	.273	24	0	1	0	1	0	1	0	1
2227	N1126	max	0	24	1.647	6	0	24	0	24	0	24	0	24
2228		min	0	1	.287	24	0	1	0	1	0	1	0	1
2229	N1127	max	0	24	.769	6	0	24	0	24	0	24	0	24

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
2230		min	0	1	.118	24	0	1	0	1	0	1	0	1
2231	N1128	max	0	24	1.606	6	0	24	0	24	0	24	0	24
2232		min	0	1	.251	24	0	1	0	1	0	1	0	1
2233	N1129	max	0	24	1.676	6	0	24	0	24	0	24	0	24
2234		min	0	1	.265	24	0	1	0	1	0	1	0	1
2235	N1130	max	0	24	.817	6	0	24	0	24	0	24	0	24
2236		min	0	1	.114	24	0	1	0	1	0	1	0	1
2237	N1131	max	0	24	1.879	7	0	24	0	24	0	24	0	24
2238		min	0	1	.359	13	0	1	0	1	0	1	0	1
2239	N1132	max	0	24	2.113	7	0	24	0	24	0	24	0	24
2240		min	0	1	.383	13	0	1	0	1	0	1	0	1
2241	N1133	max	0	24	2.422	7	0	24	0	24	0	24	0	24
2242		min	0	1	.493	13	0	1	0	1	0	1	0	1
2243	N1134	max	0	24	1.928	7	0	24	0	24	0	24	0	24
2244		min	0	1	.323	13	0	1	0	1	0	1	0	1
2245	N1135	max	0	24	2.168	7	0	24	0	24	0	24	0	24
2246		min	0	1	.346	13	0	1	0	1	0	1	0	1
2247	N1136	max	0	24	1.978	7	0	24	0	24	0	24	0	24
2248		min	0	1	.287	13	0	1	0	1	0	1	0	1
2249	N1137	max	0	24	2.223	7	0	24	0	24	0	24	0	24
2250		min	0	1	.31	13	0	1	0	1	0	1	0	1
2251	N1138	max	0	24	1.139	7	0	24	0	24	0	24	0	24
2252		min	0	1	.136	13	0	1	0	1	0	1	0	1
2253	N1139	max	0	24	2.02	6	0	24	0	24	0	24	0	24
2254		min	0	1	.476	24	0	1	0	1	0	1	0	1
2255	N1140	max	0	24	2.702	6	0	24	0	24	0	24	0	24
2256		min	0	1	.618	24	0	1	0	1	0	1	0	1
2257	N1141	max	0	24	1.422	6	0	24	0	24	0	24	0	24
2258		min	0	1	.447	24	0	1	0	1	0	1	0	1
2259	N1142	max	0	24	1.441	6	0	24	0	24	0	24	0	24
2260		min	0	1	.424	24	0	1	0	1	0	1	0	1
2261	N1143	max	0	24	1.463	6	0	24	0	24	0	24	0	24
2262		min	0	1	.403	24	0	1	0	1	0	1	0	1
2263	N1144	max	0	24	1.687	6	0	24	0	24	0	24	0	24
2264		min	0	1	.323	24	0	1	0	1	0	1	0	1
2265	N1145	max	0	24	1.718	7	0	24	0	24	0	24	0	24
2266		min	0	1	.301	13	0	1	0	1	0	1	0	1
2267	N1146	max	0	24	1.762	7	0	24	0	24	0	24	0	24
2268		min	0	1	.267	13	0	1	0	1	0	1	0	1
2269	N32	max	.734	16	-125.896	3	.725	19	0	24	0	24	0	24
2270		min	-.779	22	-135.292	21	-.7	13	0	1	0	1	0	1
2271	N29	max	.731	16	-126.665	3	.726	19	0	24	0	24	0	24
2272		min	-.773	22	-135.453	21	-.704	13	0	1	0	1	0	1
2273	N26	max	.74	16	-126.937	3	.727	19	0	24	0	24	0	24
2274		min	-.779	22	-135.317	21	-.704	13	0	1	0	1	0	1
2275	N23	max	.736	16	-127.641	3	.728	19	0	24	0	24	0	24
2276		min	-.773	22	-135.474	21	-.708	13	0	1	0	1	0	1
2277	N34	max	.682	16	-130.712	7	.714	19	0	24	0	24	0	24
2278		min	-.682	22	-136.375	13	-.743	13	0	1	0	1	0	1
2279	N31	max	.673	16	-130.131	7	.711	19	0	24	0	24	0	24
2280		min	-.674	22	-136.475	13	-.744	13	0	1	0	1	0	1
2281	N25	max	.674	16	-130.13	7	.711	19	0	24	0	24	0	24

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
2282		min	-.673	22	-136.474	13	-.744	13	0	1	0	1	0	1
2283	N28	max	.682	16	-130.711	7	.714	19	0	24	0	24	0	24
2284		min	-.682	22	-136.373	13	-.743	13	0	1	0	1	0	1
2285	N33	max	.778	16	-126.656	11	.726	19	0	24	0	24	0	24
2286		min	-.738	22	-135.263	17	-.703	13	0	1	0	1	0	1
2287	N30	max	.772	16	-127.379	11	.727	19	0	24	0	24	0	24
2288		min	-.735	22	-135.422	17	-.707	13	0	1	0	1	0	1
2289	N24	max	.772	16	-126.336	11	.725	19	0	24	0	24	0	24
2290		min	-.729	22	-135.386	17	-.703	13	0	1	0	1	0	1
2291	N27	max	.778	16	-125.532	11	.724	19	0	24	0	24	0	24
2292		min	-.732	22	-135.215	17	-.699	13	0	1	0	1	0	1
2293	Totals:	max	87	16	904.577	9	87	19						
2294		min	-87	10	678.415	15	-87	1						

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Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10208080
Colliers Engineering & Design CT. P.C. Project #: 23777228

August 10, 2023

Site Information	*Site ID:*	*5000246824-VZW / NORTH CANAAN CT*
	Site Name:	*NORTH CANAAN CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*38 Lower Road* *Canaan, Connecticut 06018* *Litchfield County*
	Latitude:	*42.014658°*
	Longitude:	*-73.326289°*
Structure Information	*Tower Type:*	*Self Support*
	Mount Type:	*13.67-Ft T-Frame*

FUZE ID # 17123771

Analysis Results

T-Frame: **84.7% Pass***

***Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

******Contractor PMI Requirements:***
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com

For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Selene Chen

STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED PROFESSIONAL ENGINEER
08/13/2023

Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

This analysis is inclusive of the mount structure only and does not address the structural capacity of the supporting structure. This mounting frame was not analyzed as an anchor attachment point for fall protection. All climbing activities are required to have a fall protection plan completed by a competent person.

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 324531, dated February 8, 2021*
Mount Mapping Report	*Roaming Networks Inc., Site ID: VZW: 468204, dated March 31, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777317, dated June 24, 2021*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	115 mph
	Ice Wind Speed (3-sec. Gust):	40 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.966
Seismic Parameters:	S_S:	0.166 g
	S_1:	0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

The following equipment has been considered for the analysis of the mounts:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
167.4	168.0	3	Samsung	MT6407-77A	Retained
		2	Amphenol Antel	LPA-80090-4CF-EDIN-4	
		4	Antel	LPA-80090/4CF	
		4	Commscope	NHH-65B-R2B	
		2	Commscope	NHH-85B-R2B	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RHSDC-6627-PF-48*	
		6	KAelus	KA-6030	Added

* Equipment is flush mounted directly to the Self Support. It is not mounted on T-Frame mounts and is not included in this mount analysis.

It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-6
RVZDC-6627-PF-48	12	OVP-12

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design CT. P.C. and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design CT. P.C. to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

   Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

   The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. 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.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design CT. P.C. is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design CT. P.C..

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	*84.7 %*	*Pass*
Standoff Arm	*45.6 %*	*Pass*
Standoff Vertical	*8.0 %*	*Pass*
Mast Pipe	*32.3 %*	*Pass*
End Bar	*61.9 %*	*Pass*
Mount Pipe	*36.0 %*	*Pass*
Tieback	*64.9 %*	*Pass*
Connection Check	*16.4 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**84.7%**

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	13.2	6.3	18.5	11.6
0.5	17.6	9.4	26.3	16.0
1	22.5	11.6	33.8	20.0

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 1 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mounts are **SUFFICIENT** for the final loading configuration shown in attachment 2 and do not require modifications. Additional requirements are noted below.

Contractor shall verify previous project by Maser Consulting Connecticut dated June 24, 2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications**.

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

If required, ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other. Separate review fees will apply.

Attachments:

1. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com.

For additional questions and support, please reach out to pmisupport@colliersengineering.com

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MDG #: 5000246824 SMART Project #: 10208080 Fuze Project ID: 17123771

Purpose – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the installation was completed in accordance with this Passing Mount Analysis.
- Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

Base Requirements:

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built mount drawings" showing contractor's name, contact information, preparer's signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: ***https://pmi.vzwsmart.com***

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.

- These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:

Issue:

Contractor shall verify previous project by Maser Consulting Connecticut dated June 24, 2021 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications**.

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

Response:

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Comments:

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Structure: 5000246824-VZW - NORTH CANAAN CT

Sector: A

Structure Type: Self Support

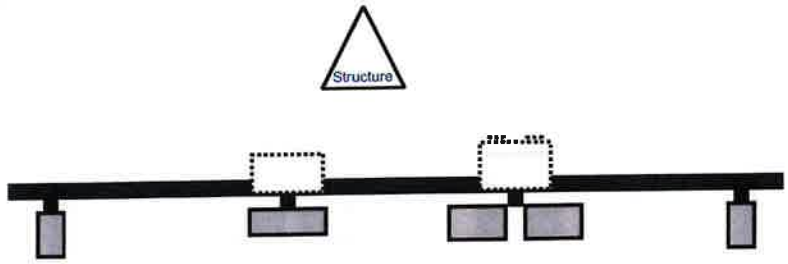
Mount Elev: 167.40

10208080

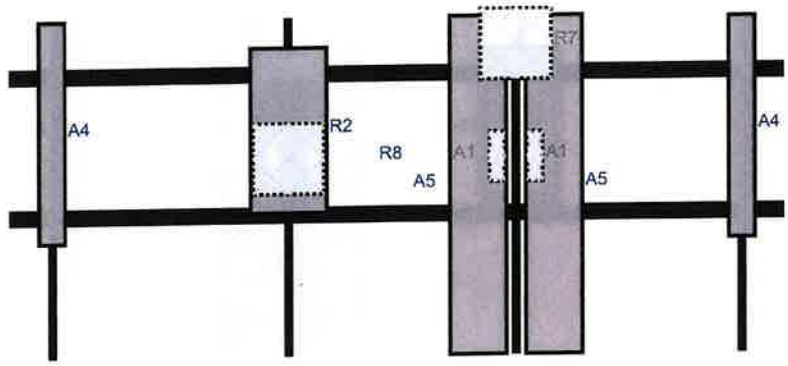
8/10/2023

Colliers Engineering & Design

Plan View



Front View - Looking at Structure

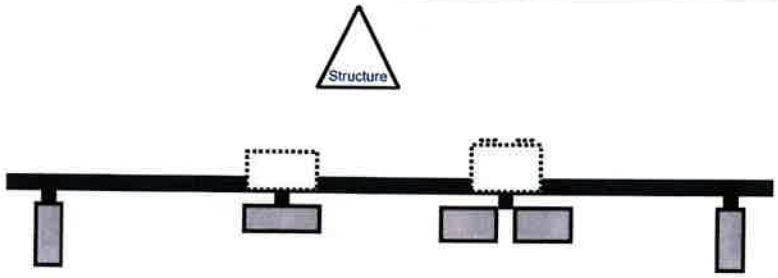


4 3 2 1

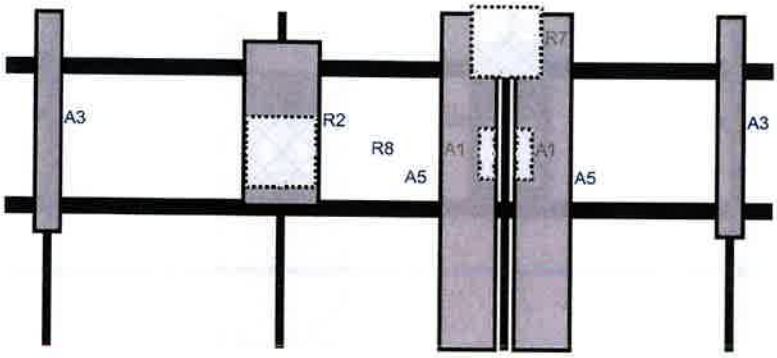
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	LPA-80090/4CF ___	47.2	5.5	155	1	a	Front	24	0	Retained	03/31/2021
A5	NHH-65B-R2B	72	11.9	107	2	a	Front	36	8	Retained	03/31/2021
A5	NHH-65B-R2B	72	11.9	107	2	b	Front	36	-8	Retained	03/31/2021
A1	KA-6030	10.6	3.2	107	2	a	Behind	30	4	Added	
A1	KA-6030	10.6	3.2	107	2	b	Behind	30	-4	Added	
R7	B2/B66A RRH-BR049	15	15	107	2	a	Behind	6	0	Retained	03/31/2021
R2	MT6407-77A	35.1	16.1	59	3	a	Front	24	0	Retained	
R8	B5/B13 RRH-BR04C	15	15	59	3	a	Behind	30	0	Retained	03/31/2021
A4	LPA-80090/4CF ___	47.2	5.5	9	4	a	Front	24	0	Retained	03/31/2021

Colliers Engineering & Design

Plan View



Front View - Looking at Structure

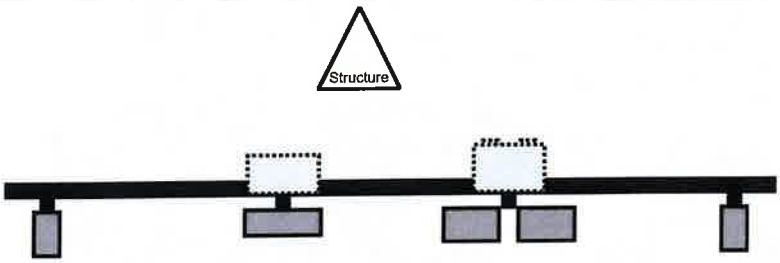


4 3 2 1

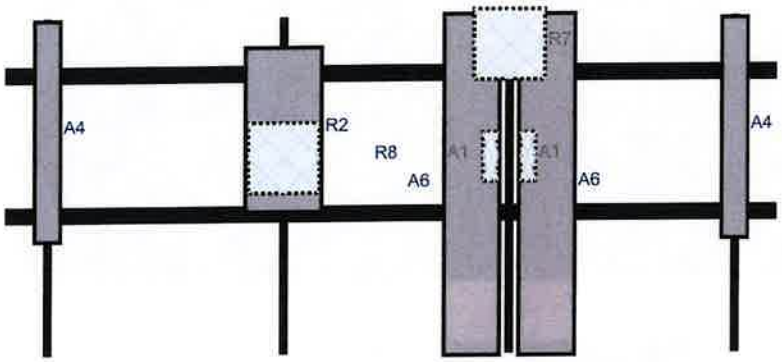
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	LPA-80080-4CF-EDIN-4	47.2	5.5	155	1	a	Front	24	0	Retained	03/31/2021
A5	NHH-65B-R2B	72	11.9	107	2	a	Front	36	8	Retained	03/31/2021
A5	NHH-65B-R2B	72	11.9	107	2	b	Front	36	-8	Retained	03/31/2021
A1	KA-6030	10.6	3.2	107	2	a	Behind	30	4	Added	
A1	KA-6030	10.6	3.2	107	2	b	Behind	30	-4	Added	
R7	B2/B66A RRH-BR049	15	15	107	2	a	Behind	6	0	Retained	03/31/2021
R2	MT6407-77A	35.1	16.1	59	3	a	Front	24	0	Retained	
R8	B5/B13 RRH-BR04C	15	15	59	3	a	Behind	30	0	Retained	03/31/2021
A3	LPA-80080-4CF-EDIN-4	47.2	5.5	9	4	a	Front	24	0	Retained	03/31/2021

Colliers Engineering & Design

Plan View



Front View - Looking at Structure



4 3 2 1

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A4	LPA-80090/4CF ___	47.2	5.5	155	1	a	Front	24	0	Retained	03/31/2021
A6	NHH-85B-R2B	72.9	11.9	107	2	a	Front	36	8	Retained	03/31/2021
A6	NHH-85B-R2B	72.9	11.9	107	2	b	Front	36	-8	Retained	03/31/2021
A1	KA-6030	10.6	3.2	107	2	a	Behind	30	4	Added	
A1	KA-6030	10.6	3.2	107	2	b	Behind	30	-4	Added	
R7	B2/B66A RRH-BR049	15	15	107	2	a	Behind	6	0	Retained	03/31/2021
R2	MT6407-77A	35.1	16.1	59	3	a	Front	24	0	Retained	
R8	B5/B13 RRH-BR04C	15	15	59	3	a	Behind	30	0	Retained	03/31/2021
A4	LPA-80090/4CF ___	47.2	5.5	9	4	a	Front	24	0	Retained	03/31/2021


03/30/2021 16:04:49
NORTH CANAAN CT


03/30/2021 17:59:10
-73.32616197222222, 42.014820972222225
NORTH CANAAN CT

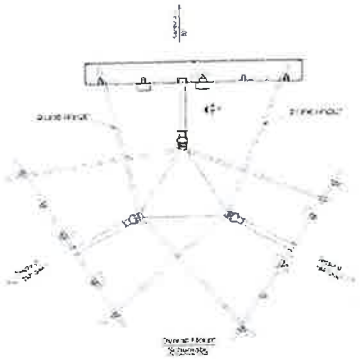
V3.0 Updated on 8-31-2020

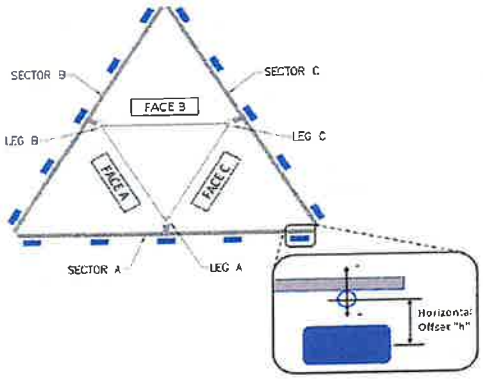
PAUL J. FORD & COMPANY

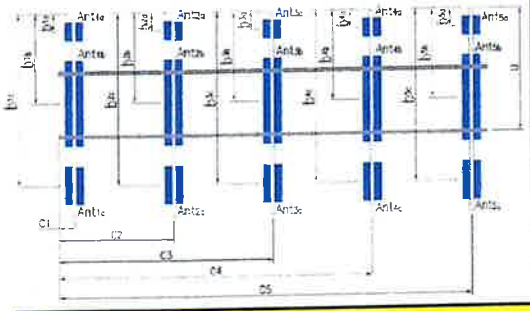
Antenna Mount Mapping Form (PATENT PENDING)

FCC #: N/A

Tower Owner:	Litchfield Couty Dispatch	**Mapping Date:**	31-03-21
Site Name:	VZW:NORTH CANAAN CT	**Tower Type:**	Self Support
Site Number or ID:	VZW:468204	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	171,32







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	9,00	C1	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	9,00
A2	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	70,00	C2	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	70,00
A3	PIPE 2.37"Ø X 0.10" X 84" LONG	46,00	101,00	C3	PIPE 2.37"Ø X 0.10" X 84" LONG	46,00	101,00
A4	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	128,50	C4	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	128,50
A5	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	155,00	C5	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	155,00
A6				C6			
B1	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	9,00	D1			
B2	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	70,00	D2			
B3	PIPE 2.37"Ø X 0.10" X 84" LONG	46,00	101,00	D3			
B4	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	128,50	D4			
B5	PIPE 2.34"Ø X 0.11" X 72" LONG	42,00	155,00	D5			
B6				D6			

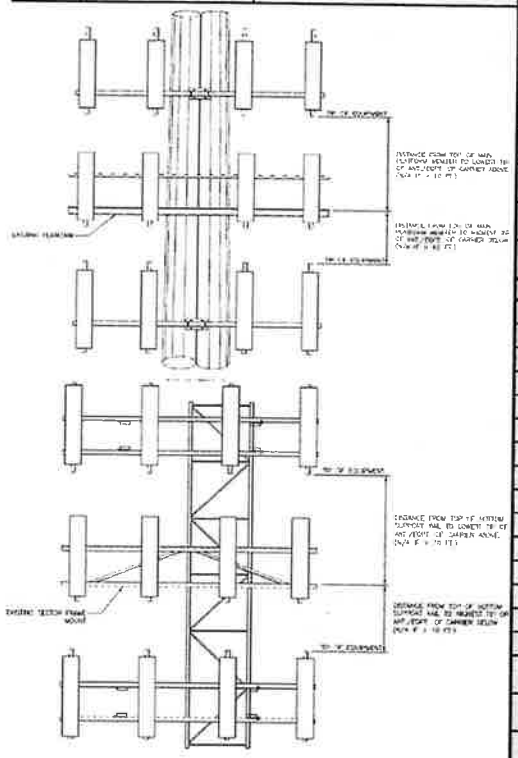
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	20,00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	4,25
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	

Tower Face Width at Mount Elev. (ft.):	12,75	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	1,76

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	LPA-80080-4CF-EDIN-	13,20	5,50	47,20		170,237	35,00	14,00	89,00	167
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	RFV01U-D2N Samsun	15,88	10,03	19,73		173,153				168
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	2x NHH-65B-R2B	11,85	7,09	71,97		170,237	39,00	10,00	89,00	170
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	LPA-80080-4CF-EDIN-	13,20	5,50	47,20		170,237	35,00	14,00	89,00	171
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RHSDC-6627-PF-48	16,50	12,60	29,50						212
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	90,00	Deg	Leg A:	31,00	Deg
Sector B:	210,00	Deg	Leg B:		Deg
Sector C:	330,00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	Deg	Sector A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B											
Ant_{1a}	LPA-80080-4CF-EDIN-	13,20	5,50	47,20		170,237	35,00	14,00	186,00	183
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	RFV01U-D2N Samsun	15,88	10,03	19,73						184
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	2x NHH-65B-R2B	11,85	7,09	71,97		170,237	39,00	10,00	208,00	184
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	LPA-80080-4CF-EDIN-	13,20	5,50	47,20		170,237	35,00	14,00	186,00	184
Ant_{5b}										
Ant_{5c}						#REF!				
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	LPA-80080-4CF-EDIN-	13,20	5,50	47,20		170,237	35,00	14,00	338,00	193
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	RFV01U-D2N Samsun	15,88	10,03	19,73		173,153				193
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	2x NHH-65B-R2B	11,85	7,09	71,97		170,237	39,00	10,00	348,00	194
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}	LPA-80080-4CF-EDIN-	13,20	5,50	47,20		170,237	35,00	14,00	338,00	194
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1		
2		
3		
4		
5		
6		
7		
8		

Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
6. Please measure and report the size and length of all existing antenna mounting pipes.
7. Please measure and report the antenna information for all sectors.
8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

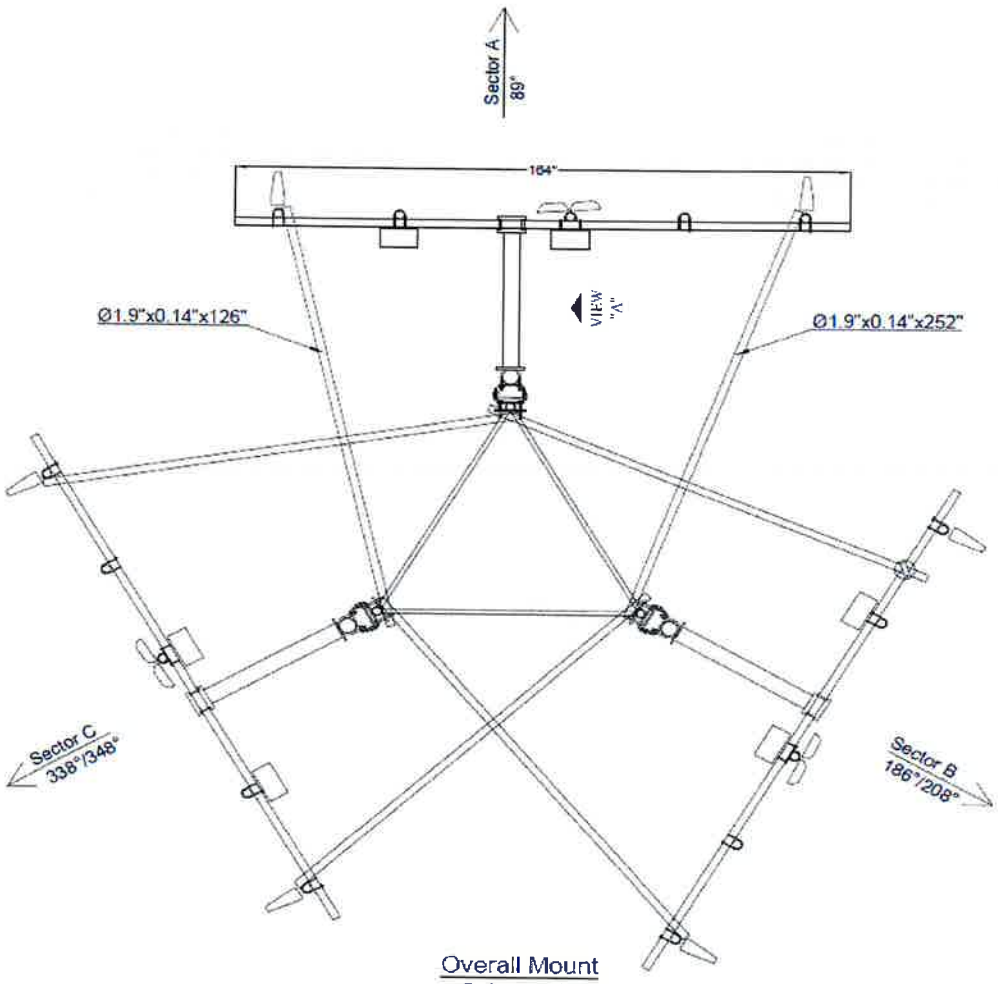
V3.0 Updated on 8-31-2020

PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

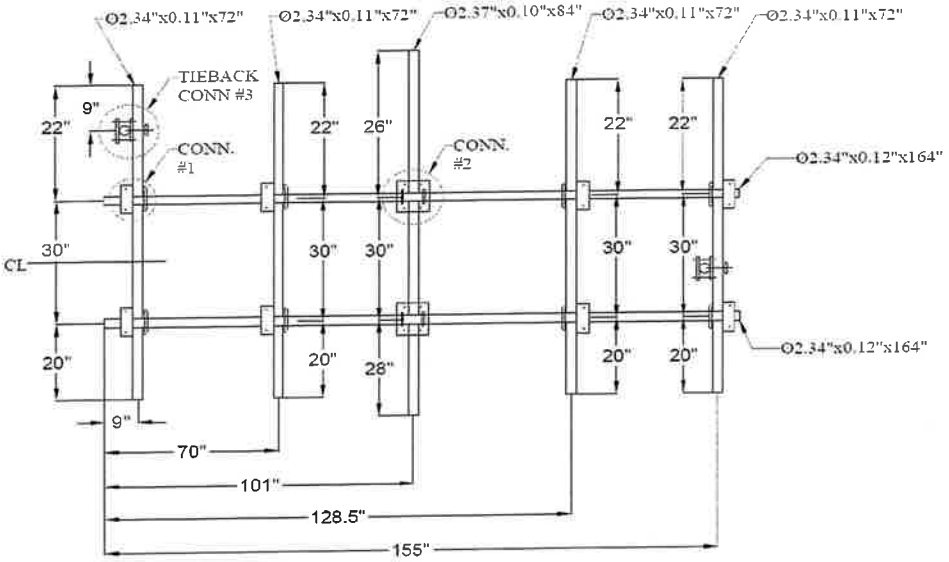
				FCC #
				N/A
Tower Owner:	Litchfield Couty Dispatch	Mapping Date:	31-03-21	
Site Name:	VZW:NORTH CANAAN CT	Tower Type:	Self Support	
Site Number or ID:	VZW:468204	Tower Height (Ft.):	N/A	
Mapping Contractor:	Roaming Networks Inc.	Mount Elevation (Ft.):	171.32	

Please Insert Sketches of the Antenna Mount

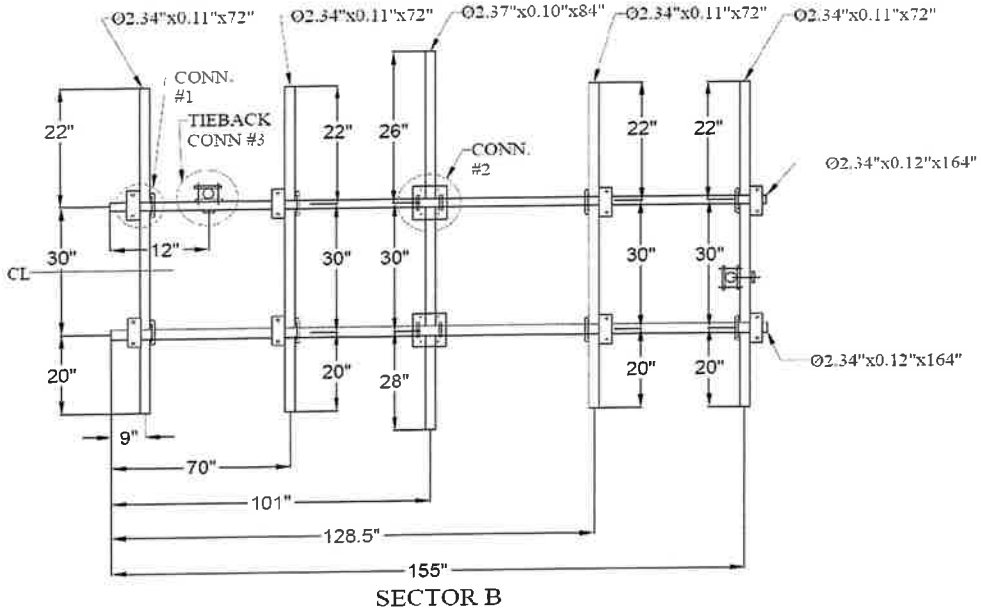


Overall Mount Schematic

Please Insert Sketches of the Antenna Mount, cont'd

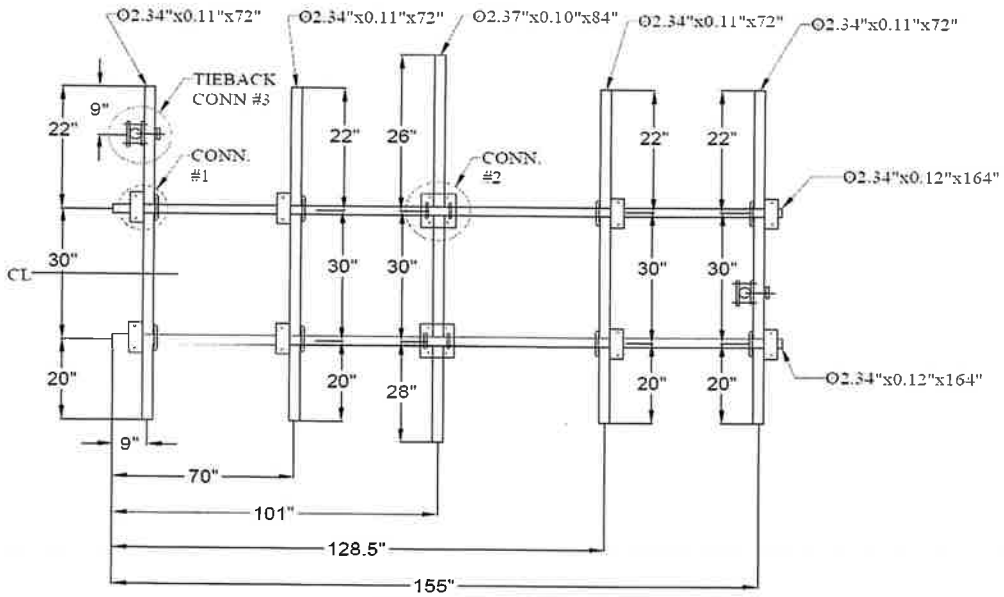


SECTOR A



SECTOR B

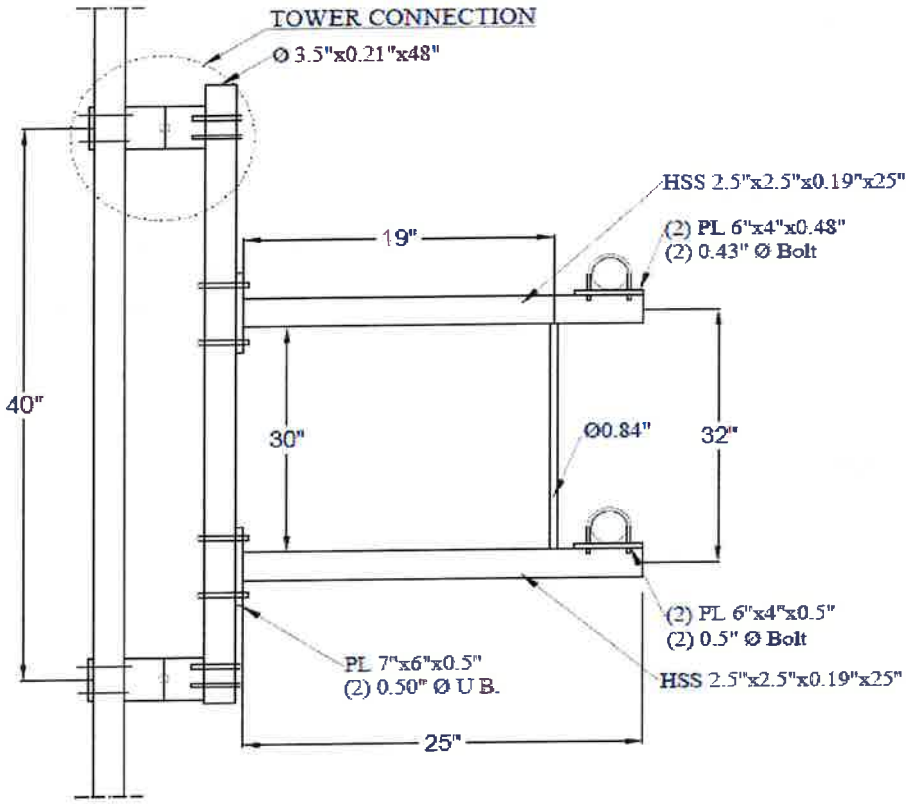
Please Insert Sketches of the Antenna Mount, cont'd



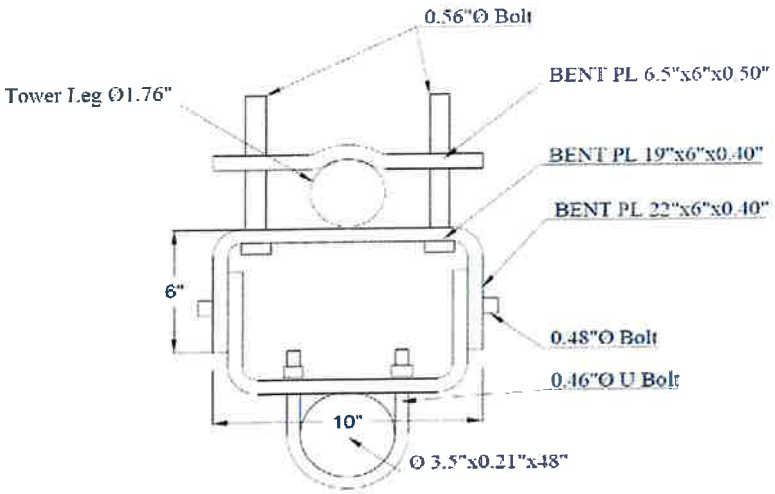
SECTOR C

Please Insert Sketches of the Antenna Mount, cont'd

VIEW "A"

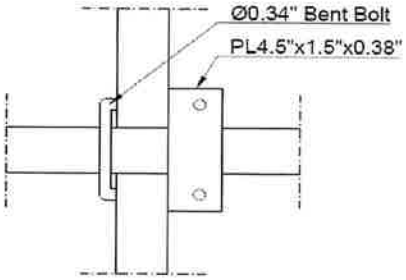


TOWER CONNECTION

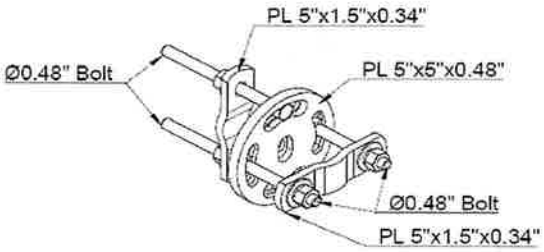


Please Insert Sketches of the Antenna Mount, cont'd

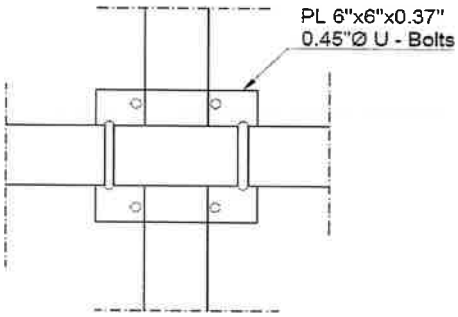
CONN. #1

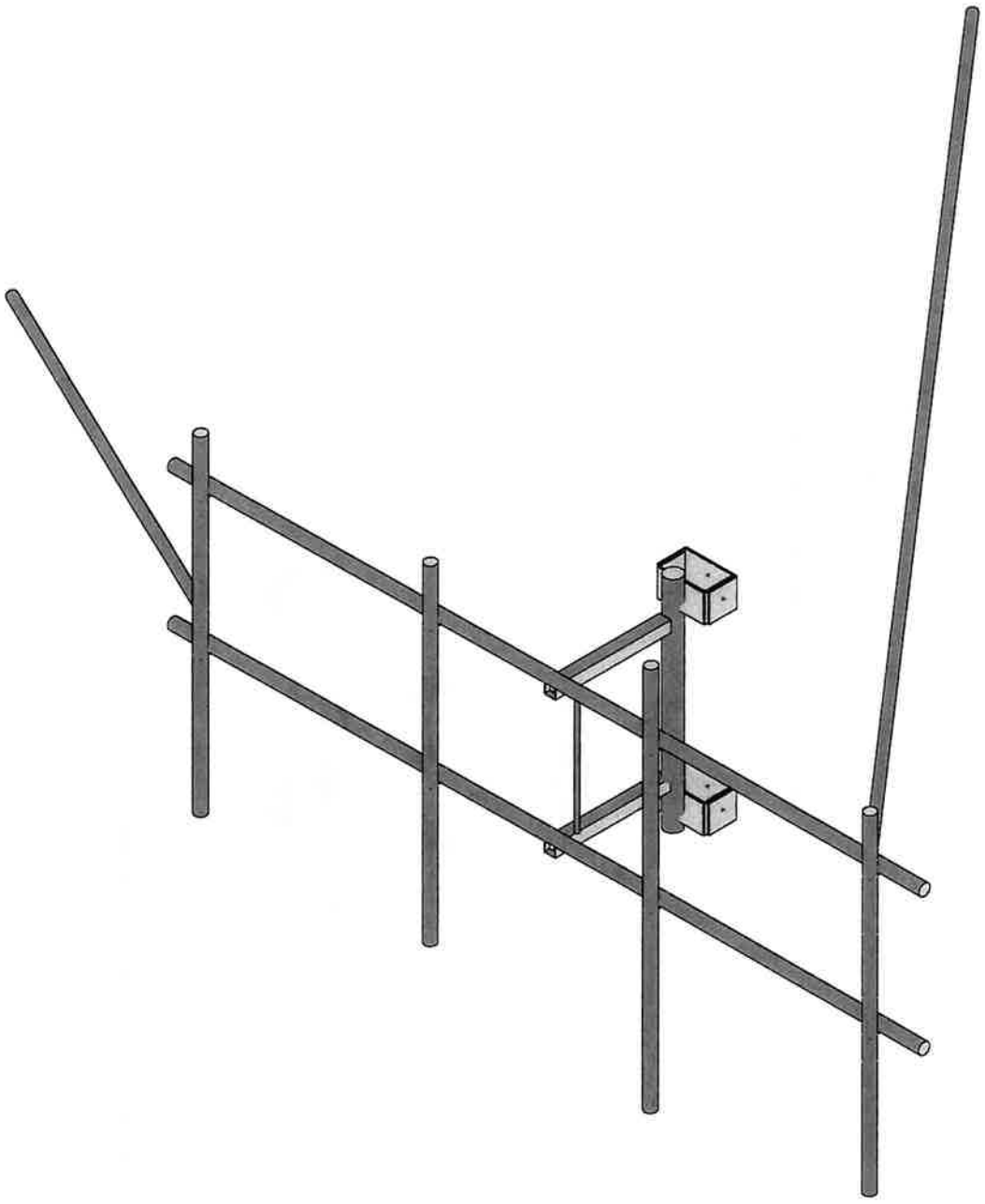


CONN. #3



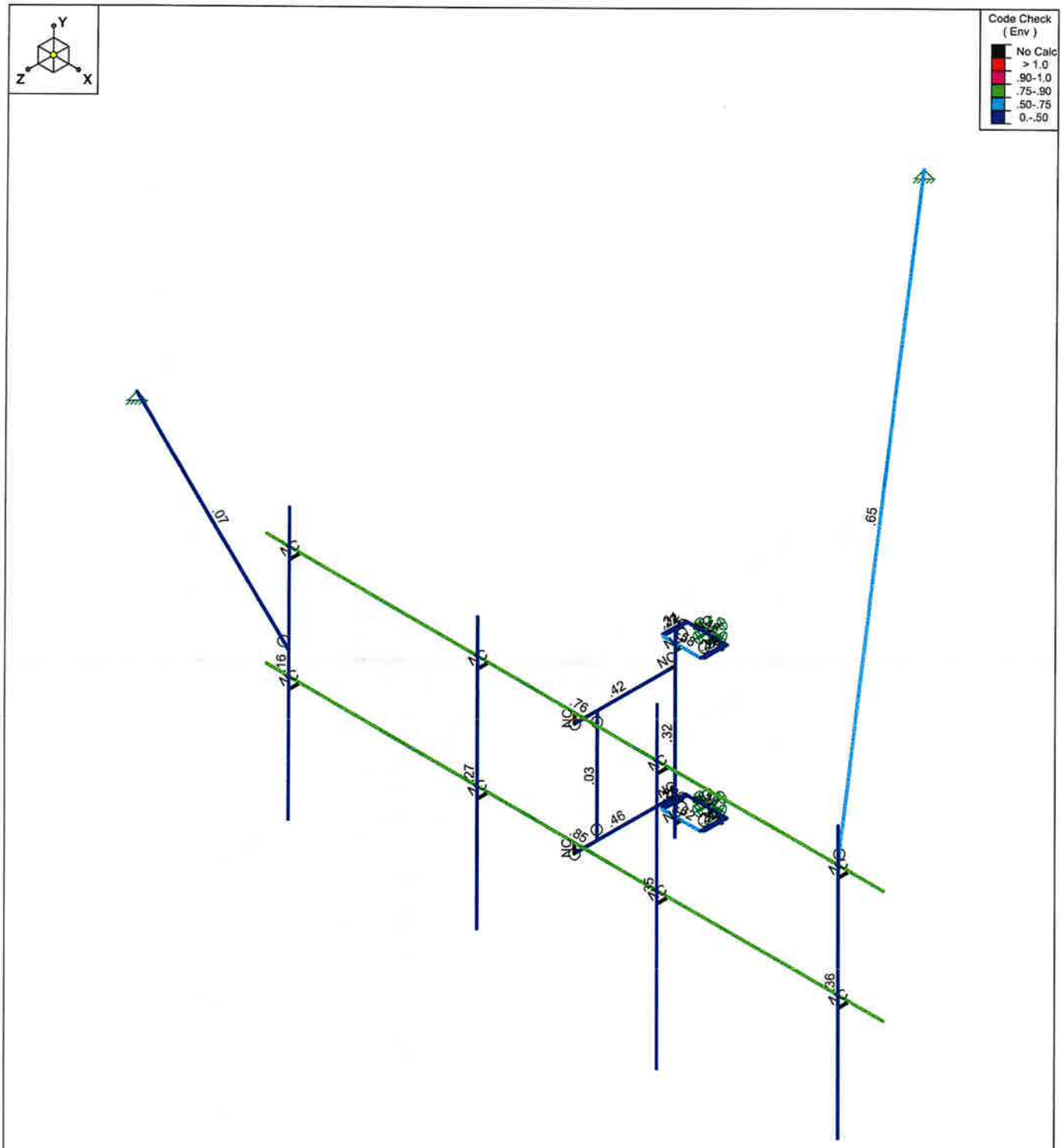
CONN. #2





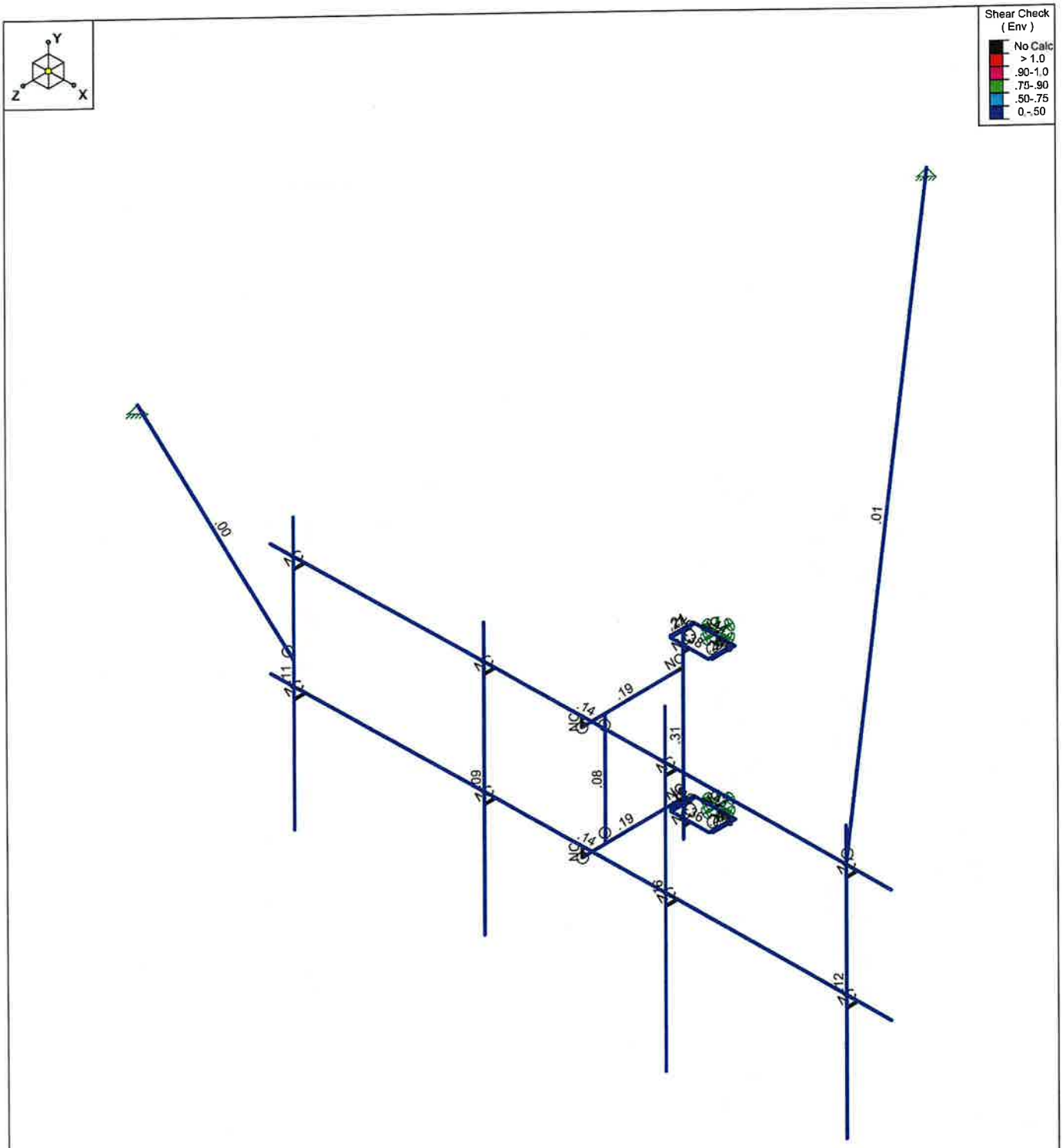
Envelope Only Solution

Colliers Engineering & De...	5000246824-VZW_MT_LOT_SectorA_H	SK - 1
		Aug 10, 2023 at 10:39 AM
		5000246824-VZW_MT_LOT_A_H....



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	5000246824-VZW_MT_LOT_SectorA_H	SK - 2
		Aug 10, 2023 at 10:39 AM
		5000246824-VZW_MT_LOT_A_H....



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	5000246824-VZW_MT_LOT_SectorA_H	SK - 3
		Aug 10, 2023 at 10:39 AM
		5000246824-VZW_MT_LOT_A_H....

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					48			
2	Antenna Di	None					48			
3	Antenna Wo (0 Deg)	None					48			
4	Antenna Wo (30 Deg)	None					48			
5	Antenna Wo (60 Deg)	None					48			
6	Antenna Wo (90 Deg)	None					48			
7	Antenna Wo (120 Deg)	None					48			
8	Antenna Wo (150 Deg)	None					48			
9	Antenna Wo (180 Deg)	None					48			
10	Antenna Wo (210 Deg)	None					48			
11	Antenna Wo (240 Deg)	None					48			
12	Antenna Wo (270 Deg)	None					48			
13	Antenna Wo (300 Deg)	None					48			
14	Antenna Wo (330 Deg)	None					48			
15	Antenna Wi (0 Deg)	None					48			
16	Antenna Wi (30 Deg)	None					48			
17	Antenna Wi (60 Deg)	None					48			
18	Antenna Wi (90 Deg)	None					48			
19	Antenna Wi (120 Deg)	None					48			
20	Antenna Wi (150 Deg)	None					48			
21	Antenna Wi (180 Deg)	None					48			
22	Antenna Wi (210 Deg)	None					48			
23	Antenna Wi (240 Deg)	None					48			
24	Antenna Wi (270 Deg)	None					48			
25	Antenna Wi (300 Deg)	None					48			
26	Antenna Wi (330 Deg)	None					48			
27	Antenna Wm (0 Deg)	None					48			
28	Antenna Wm (30 Deg)	None					48			
29	Antenna Wm (60 Deg)	None					48			
30	Antenna Wm (90 Deg)	None					48			
31	Antenna Wm (120 Deg)	None					48			
32	Antenna Wm (150 Deg)	None					48			
33	Antenna Wm (180 Deg)	None					48			
34	Antenna Wm (210 Deg)	None					48			
35	Antenna Wm (240 Deg)	None					48			
36	Antenna Wm (270 Deg)	None					48			
37	Antenna Wm (300 Deg)	None					48			
38	Antenna Wm (330 Deg)	None					48			
39	Structure D	None		-1						
40	Structure Di	None						24		
41	Structure Wo (0 Deg)	None						48		
42	Structure Wo (30 Deg)	None						48		
43	Structure Wo (60 Deg)	None						48		
44	Structure Wo (90 Deg)	None						48		
45	Structure Wo (120 Deg)	None						48		
46	Structure Wo (150 Deg)	None						48		
47	Structure Wo (180 Deg)	None						48		
48	Structure Wo (210 Deg)	None						48		
49	Structure Wo (240 Deg)	None						48		
50	Structure Wo (270 Deg)	None						48		
51	Structure Wo (300 Deg)	None						48		
52	Structure Wo (330 Deg)	None						48		
53	Structure Wi (0 Deg)	None						48		
54	Structure Wi (30 Deg)	None						48		
55	Structure Wi (60 Deg)	None						48		
56	Structure Wi (90 Deg)	None						48		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
57	Structure Wi (120 Deg)	None						48		
58	Structure Wi (150 Deg)	None						48		
59	Structure Wi (180 Deg)	None						48		
60	Structure Wi (210 Deg)	None						48		
61	Structure Wi (240 Deg)	None						48		
62	Structure Wi (270 Deg)	None						48		
63	Structure Wi (300 Deg)	None						48		
64	Structure Wi (330 Deg)	None						48		
65	Structure Wm (0 Deg)	None						48		
66	Structure Wm (30 Deg)	None						48		
67	Structure Wm (60 Deg)	None						48		
68	Structure Wm (90 Deg)	None						48		
69	Structure Wm (120 Deg)	None						48		
70	Structure Wm (150 Deg)	None						48		
71	Structure Wm (180 Deg)	None						48		
72	Structure Wm (210 Deg)	None						48		
73	Structure Wm (240 Deg)	None						48		
74	Structure Wm (270 Deg)	None						48		
75	Structure Wm (300 Deg)	None						48		
76	Structure Wm (330 Deg)	None						48		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					48			
82	Antenna Eh (0 Deg)	None					32			
83	Antenna Eh (90 Deg)	None					32			
84	Structure Ev	ELY		-.035						
85	Structure Eh (0 Deg)	ELZ			-.089					
86	Structure Eh (90 Deg)	ELX	.089							

Load Combinations

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
23	1.2D + 1.0Di + 1.0Wi (..	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (..	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W..	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W..	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-0.583333	0	0	0	
2	N2	13.083333	0	0	0	
3	N3	-0.583333	2.5	0	0	
4	N4	13.083333	2.5	0	0	
5	N21	6.25	0	0	0	
6	N22	6.25	2.5	0	0	
7	N31	6.25	-0.208333	0	0	
8	N32	6.25	2.291667	0	0	
9	N33	6.25	-0.208333	-2.083333	0	
10	N34	6.25	2.291667	-2.083333	0	
11	N35	6.25	-0.208333	-.5	0	
12	N36	6.25	2.291667	-.5	0	
13	N37	6.25	2.291667	-2.229167	0	
14	N39	6.25	-0.208333	-2.229167	0	
15	N39A	6.25	3	-2.229167	0	
16	N40	6.25	-1	-2.229167	0	
17	N41	6.25	2.583333	-2.229167	0	
18	N42	6.25	-.75	-2.229167	0	
19	N43	6.25	2.583333	-2.375	0	
20	N44	6.25	-.75	-2.375	0	
21	N45	6.666667	2.583333	-2.375	0	
22	N46	6.666667	-.75	-2.375	0	
23	N47	5.833333	2.583333	-2.375	0	
24	N48	5.833333	-.75	-2.375	0	
25	N49	6.666667	2.583333	-2.875	0	
26	N50	6.666667	-.75	-2.875	0	
27	N51	5.833333	2.583333	-2.875	0	
28	N52	5.833333	-.75	-2.875	0	
29	N53	6.666667	2.583333	-2.625	0	
30	N54	6.666667	-.75	-2.625	0	
31	N55	5.833333	2.583333	-2.625	0	
32	N56	5.833333	-.75	-2.625	0	
33	N57	5.791667	2.583333	-2.625	0	
34	N58	5.791667	-.75	-2.625	0	
35	N59	6.708333	2.583333	-2.625	0	
36	N60	6.708333	-.75	-2.625	0	
37	N61	5.791667	2.583333	-2.416667	0	
38	N62	5.791667	-.75	-2.416667	0	
39	N63	6.708333	2.583333	-2.416667	0	
40	N64	6.708333	-.75	-2.416667	0	
41	N65	5.791667	2.583333	-2.916667	0	
42	N66	5.791667	-.75	-2.916667	0	
43	N67	6.708333	2.583333	-2.916667	0	
44	N68	6.708333	-.75	-2.916667	0	
45	N69	6.25	2.583333	-2.916667	0	
46	N70	6.25	-.75	-2.916667	0	
47	N71	6.25	2.583333	-3	0	
48	N72	6.25	-.75	-3	0	
49	N51A	12.333333	0	0	0	
50	N52A	12.333333	2.5	0	0	
51	N55A	8.333333	0	0	0	
52	N56A	8.333333	2.5	0	0	
53	N57A	4.333333	0	0	0	
54	N58A	4.333333	2.5	0	0	
55	N59A	0.166667	0	0	0	
56	N60A	0.166667	2.5	0	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N61A	12.333333	0	.25	0	
58	N62A	12.333333	2.5	.25	0	
59	N65A	8.333333	0	.25	0	
60	N66A	8.333333	2.5	.25	0	
61	N67A	4.333333	0	.25	0	
62	N68A	4.333333	2.5	.25	0	
63	N69A	0.166667	0	.25	0	
64	N70A	0.166667	2.5	.25	0	
65	N71A	12.333333	3.5	.25	0	
66	N73A	4.333333	3.5	.25	0	
67	N74A	0.166667	3.5	.25	0	
68	N75	12.333333	-2.5	.25	0	
69	N77	4.333333	-2.5	.25	0	
70	N78	0.166667	-2.5	.25	0	
71	N79	8.333333	3.833333	.25	0	
72	N80	8.333333	-3.166667	.25	0	
73	N81	12.333333	2.75	.25	0	
74	N80A	0.166667	.75	.25	0	
75	N83	12.333333	0.583333	.25	0	
76	N84	12.333333	1.583333	.25	0	
77	N85	12.333333	-0.416667	.25	0	
78	N87	-.125	2.743333	-14.041824	0	
79	N86	-6.5	0.753333	-3.	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
3	Standoff Arm	HSS2.5X2.5X3	Beam	SquareTube	A500 Gr. B ...	Typical	1.54	1.35	1.35	2.25
4	Standoff Vertical	SR 0.75	Column	BAR	A36 Gr.36	Typical	.442	.016	.016	.031
5	Mast Pipe	PIPE 3.0	Column	Pipe	A53 Gr. B	Typical	2.07	2.85	2.85	5.69
6	End Bar	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
7	Tieback	PIPE 1.5	Beam	Pipe	A53 Gr. B	Typical	.749	.293	.293	.586

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/f...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
2	A53 Gr. B	29000	11154	.3	.65	.49	35	1.5	60	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
5	A500 Gr. B 42	29000	11154	.3	.65	.49	42	1.4	58	1.3
6	A500 Gr. B 46	29000	11154	.3	.65	.49	46	1.4	58	1.3

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
2	M2	N3	N4			Face Horizontal	Beam	Pipe	A53 Gr. B	Typical
3	M15	N22	N32			RIGID	None	None	RIGID	Typical
4	M16	N21	N31			RIGID	None	None	RIGID	Typical
5	RCP	N32	N34			Standoff Arm	Beam	SquareTube	A500 Gr. ...	Typical
6	M18	N31	N33			Standoff Arm	Beam	SquareTube	A500 Gr. ...	Typical
7	M19	N36	N35			Standoff Vertical	Column	BAR	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
8	M20	N34	N37			RIGID	None	None	RIGID	Typical
9	M21	N33	N39			RIGID	None	None	RIGID	Typical
10	M22	N39A	N40			Mast Pipe	Column	Pipe	A53 Gr. B	Typical
11	M23	N41	N43			RIGID	None	None	RIGID	Typical
12	M24	N42	N44			RIGID	None	None	RIGID	Typical
13	M25	N47	N45			End Bar	Beam	BAR	A36 Gr.36	Typical
14	M26	N48	N46			End Bar	Beam	BAR	A36 Gr.36	Typical
15	M27	N47	N51			End Bar	Beam	BAR	A36 Gr.36	Typical
16	M28	N45	N49			End Bar	Beam	BAR	A36 Gr.36	Typical
17	M29	N48	N52			End Bar	Beam	BAR	A36 Gr.36	Typical
18	M30	N46	N50			End Bar	Beam	BAR	A36 Gr.36	Typical
19	M31	N55	N57			RIGID	None	None	RIGID	Typical
20	M32	N53	N59			RIGID	None	None	RIGID	Typical
21	M33	N56	N58			RIGID	None	None	RIGID	Typical
22	M34	N54	N60			RIGID	None	None	RIGID	Typical
23	M35	N62	N66			End Bar	Beam	BAR	A36 Gr.36	Typical
24	M36	N64	N68			End Bar	Beam	BAR	A36 Gr.36	Typical
25	M37	N61	N65			End Bar	Beam	BAR	A36 Gr.36	Typical
26	M38	N63	N67			End Bar	Beam	BAR	A36 Gr.36	Typical
27	M39	N67	N65			End Bar	Beam	BAR	A36 Gr.36	Typical
28	M40	N68	N66			End Bar	Beam	BAR	A36 Gr.36	Typical
29	M41	N69	N71			RIGID	None	None	RIGID	Typical
30	M42	N70	N72			RIGID	None	None	RIGID	Typical
31	M32A	N70A	N60A			RIGID	None	None	RIGID	Typical
32	M33A	N69A	N59A			RIGID	None	None	RIGID	Typical
33	M34A	N68A	N58A			RIGID	None	None	RIGID	Typical
34	M35A	N67A	N57A			RIGID	None	None	RIGID	Typical
35	M36A	N66A	N56A			RIGID	None	None	RIGID	Typical
36	M37A	N65A	N55A			RIGID	None	None	RIGID	Typical
37	M40A	N62A	N52A			RIGID	None	None	RIGID	Typical
38	M41A	N61A	N51A			RIGID	None	None	RIGID	Typical
39	MP4A	N74A	N78			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
40	MP3A	N73A	N77			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
41	MP1A	N71A	N75			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
42	MP2A	N79	N80			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
43	M46	N80A	N86			Tieback	Beam	Pipe	A53 Gr. B	Typical
44	M47	N81	N87			Tieback	Beam	Pipe	A53 Gr. B	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	M1						Yes	Default			None
2	M2						Yes	Default			None
3	M15	OOOOXO					Yes	** NA **			None
4	M16	OOOOXO					Yes	** NA **			None
5	RCP						Yes				None
6	M18						Yes				None
7	M19	BenPIN	BenPIN				Yes	** NA **			None
8	M20						Yes	** NA **			None
9	M21						Yes	** NA **			None
10	M22						Yes	** NA **			None
11	M23						Yes	** NA **			None
12	M24						Yes	** NA **			None
13	M25						Yes				None
14	M26						Yes				None
15	M27						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...
16	M28						Yes	Default			None
17	M29						Yes				None
18	M30						Yes				None
19	M31		OOOXOO				Yes	** NA **			None
20	M32		OOOXOO				Yes	** NA **			None
21	M33		OOOXOO				Yes	** NA **			None
22	M34		OOOXOO				Yes	** NA **			None
23	M35						Yes				None
24	M36						Yes				None
25	M37						Yes				None
26	M38						Yes				None
27	M39						Yes				None
28	M40						Yes				None
29	M41						Yes	** NA **			None
30	M42						Yes	** NA **			None
31	M32A						Yes	** NA **			None
32	M33A						Yes	** NA **			None
33	M34A						Yes	** NA **			None
34	M35A						Yes	** NA **			None
35	M36A						Yes	** NA **			None
36	M37A						Yes	** NA **			None
37	M40A						Yes	** NA **			None
38	M41A						Yes	** NA **			None
39	MP4A						Yes	** NA **			None
40	MP3A						Yes	** NA **			None
41	MP1A						Yes	** NA **			None
42	MP2A						Yes	** NA **			None
43	M46	BenPIN					Yes	Default			None
44	M47	BenPIN					Yes	Default			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-8.8	2
2	MP2A	My	.009	2
3	MP2A	Mz	.003	2
4	MP2A	Y	-8.8	3
5	MP2A	My	.009	3
6	MP2A	Mz	.003	3
7	MP2A	Y	-8.8	2
8	MP2A	My	.009	2
9	MP2A	Mz	-.003	2
10	MP2A	Y	-8.8	3
11	MP2A	My	.009	3
12	MP2A	Mz	-.003	3
13	MP3A	Y	-43.55	1
14	MP3A	My	-.033	1
15	MP3A	Mz	0	1
16	MP3A	Y	-43.55	3
17	MP3A	My	-.033	3
18	MP3A	Mz	0	3
19	MP1A	Y	-5.5	1
20	MP1A	My	-.004	1
21	MP1A	Mz	.001	1
22	MP1A	Y	-5.5	3
23	MP1A	My	-.004	3

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP1A	Mz	.001	3
25	MP4A	Y	-5.5	1
26	MP4A	My	-.004	1
27	MP4A	Mz	.001	1
28	MP4A	Y	-5.5	3
29	MP4A	My	-.004	3
30	MP4A	Mz	.001	3
31	MP2A	Y	-21.85	1
32	MP2A	My	-.016	1
33	MP2A	Mz	.015	1
34	MP2A	Y	-21.85	5
35	MP2A	My	-.016	5
36	MP2A	Mz	.015	5
37	MP2A	Y	-21.85	1
38	MP2A	My	-.016	1
39	MP2A	Mz	-.015	1
40	MP2A	Y	-21.85	5
41	MP2A	My	-.016	5
42	MP2A	Mz	-.015	5
43	MP2A	Y	-84.4	.5
44	MP2A	My	.04	.5
45	MP2A	Mz	.014	.5
46	MP3A	Y	-70.3	2.5
47	MP3A	My	.033	2.5
48	MP3A	Mz	.012	2.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	3.3	2
2	MP2A	My	-.003	2
3	MP2A	Mz	-.001	2
4	MP2A	Y	3.3	3
5	MP2A	My	-.003	3
6	MP2A	Mz	-.001	3
7	MP2A	Y	3.3	2
8	MP2A	My	-.003	2
9	MP2A	Mz	.001	2
10	MP2A	Y	3.3	3
11	MP2A	My	-.003	3
12	MP2A	Mz	.001	3
13	MP3A	Y	-36.382	1
14	MP3A	My	-.027	1
15	MP3A	Mz	0	1
16	MP3A	Y	-36.382	3
17	MP3A	My	-.027	3
18	MP3A	Mz	0	3
19	MP1A	Y	-33.266	1
20	MP1A	My	-.023	1
21	MP1A	Mz	.009	1
22	MP1A	Y	-33.266	3
23	MP1A	My	-.023	3
24	MP1A	Mz	.009	3
25	MP4A	Y	-33.266	1
26	MP4A	My	-.023	1
27	MP4A	Mz	.009	1
28	MP4A	Y	-33.266	3

Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP4A	My	-.023	3
30	MP4A	Mz	.009	3
31	MP2A	Y	-61.891	1
32	MP2A	My	-.046	1
33	MP2A	Mz	.041	1
34	MP2A	Y	-61.891	5
35	MP2A	My	-.046	5
36	MP2A	Mz	.041	5
37	MP2A	Y	-61.891	1
38	MP2A	My	-.046	1
39	MP2A	Mz	-.041	1
40	MP2A	Y	-61.891	5
41	MP2A	My	-.046	5
42	MP2A	Mz	-.041	5
43	MP2A	Y	-45.883	.5
44	MP2A	My	.022	.5
45	MP2A	Mz	.008	.5
46	MP3A	Y	-41.27	2.5
47	MP3A	My	.019	2.5
48	MP3A	Mz	.007	2.5

Member Point Loads (BLC 3 : Antenna Wo (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	-18.926	2
3	MP2A	Mx	-.006	2
4	MP2A	X	0	3
5	MP2A	Z	-18.926	3
6	MP2A	Mx	-.006	3
7	MP2A	X	0	2
8	MP2A	Z	-18.926	2
9	MP2A	Mx	.006	2
10	MP2A	X	0	3
11	MP2A	Z	-18.926	3
12	MP2A	Mx	.006	3
13	MP3A	X	0	1
14	MP3A	Z	-77.281	1
15	MP3A	Mx	0	1
16	MP3A	X	0	3
17	MP3A	Z	-77.281	3
18	MP3A	Mx	0	3
19	MP1A	X	0	1
20	MP1A	Z	-54.759	1
21	MP1A	Mx	-.014	1
22	MP1A	X	0	3
23	MP1A	Z	-54.759	3
24	MP1A	Mx	-.014	3
25	MP4A	X	0	1
26	MP4A	Z	-54.759	1
27	MP4A	Mx	-.014	1
28	MP4A	X	0	3
29	MP4A	Z	-54.759	3
30	MP4A	Mx	-.014	3
31	MP2A	X	0	1
32	MP2A	Z	-107.05	1
33	MP2A	Mx	-.071	1

Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2A	X	0	5
35	MP2A	Z	-107.05	5
36	MP2A	Mx	-.071	5
37	MP2A	X	0	1
38	MP2A	Z	-107.05	1
39	MP2A	Mx	.071	1
40	MP2A	X	0	5
41	MP2A	Z	-107.05	5
42	MP2A	Mx	.071	5
43	MP2A	X	0	.5
44	MP2A	Z	-58.763	.5
45	MP2A	Mx	-.01	.5
46	MP3A	X	0	2.5
47	MP3A	Z	-57.886	2.5
48	MP3A	Mx	-.01	2.5

Member Point Loads (BLC 4 : Antenna Wo (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.47	2
2	MP2A	Z	-16.402	2
3	MP2A	Mx	.004	2
4	MP2A	X	9.47	3
5	MP2A	Z	-16.402	3
6	MP2A	Mx	.004	3
7	MP2A	X	9.47	2
8	MP2A	Z	-16.402	2
9	MP2A	Mx	.015	2
10	MP2A	X	9.47	3
11	MP2A	Z	-16.402	3
12	MP2A	Mx	.015	3
13	MP3A	X	32.307	1
14	MP3A	Z	-55.958	1
15	MP3A	Mx	-.024	1
16	MP3A	X	32.307	3
17	MP3A	Z	-55.958	3
18	MP3A	Mx	-.024	3
19	MP1A	X	34.014	1
20	MP1A	Z	-58.914	1
21	MP1A	Mx	-.039	1
22	MP1A	X	34.014	3
23	MP1A	Z	-58.914	3
24	MP1A	Mx	-.039	3
25	MP4A	X	34.014	1
26	MP4A	Z	-58.914	1
27	MP4A	Mx	-.039	1
28	MP4A	X	34.014	3
29	MP4A	Z	-58.914	3
30	MP4A	Mx	-.039	3
31	MP2A	X	45.886	1
32	MP2A	Z	-79.476	1
33	MP2A	Mx	-.087	1
34	MP2A	X	45.886	5
35	MP2A	Z	-79.476	5
36	MP2A	Mx	-.087	5
37	MP2A	X	45.886	1
38	MP2A	Z	-79.476	1

Member Point Loads (BLC 4 : Antenna Wo (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP2A	Mx	.019	1
40	MP2A	X	45.886	5
41	MP2A	Z	-79.476	5
42	MP2A	Mx	.019	5
43	MP2A	X	30.254	.5
44	MP2A	Z	-52.402	.5
45	MP2A	Mx	.005	.5
46	MP3A	X	30.141	2.5
47	MP3A	Z	-52.206	2.5
48	MP3A	Mx	.005	2.5

Member Point Loads (BLC 5 : Antenna Wo (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.427	2
2	MP2A	Z	-9.484	2
3	MP2A	Mx	.013	2
4	MP2A	X	16.427	3
5	MP2A	Z	-9.484	3
6	MP2A	Mx	.013	3
7	MP2A	X	16.427	2
8	MP2A	Z	-9.484	2
9	MP2A	Mx	.02	2
10	MP2A	X	16.427	3
11	MP2A	Z	-9.484	3
12	MP2A	Mx	.02	3
13	MP3A	X	34.019	1
14	MP3A	Z	-19.641	1
15	MP3A	Mx	-.026	1
16	MP3A	X	34.019	3
17	MP3A	Z	-19.641	3
18	MP3A	Mx	-.026	3
19	MP1A	X	68.283	1
20	MP1A	Z	-39.423	1
21	MP1A	Mx	-.058	1
22	MP1A	X	68.283	3
23	MP1A	Z	-39.423	3
24	MP1A	Mx	-.058	3
25	MP4A	X	68.283	1
26	MP4A	Z	-39.423	1
27	MP4A	Mx	-.058	1
28	MP4A	X	68.283	3
29	MP4A	Z	-39.423	3
30	MP4A	Mx	-.058	3
31	MP2A	X	53.013	1
32	MP2A	Z	-30.607	1
33	MP2A	Mx	-.06	1
34	MP2A	X	53.013	5
35	MP2A	Z	-30.607	5
36	MP2A	Mx	-.06	5
37	MP2A	X	53.013	1
38	MP2A	Z	-30.607	1
39	MP2A	Mx	-.019	1
40	MP2A	X	53.013	5
41	MP2A	Z	-30.607	5
42	MP2A	Mx	-.019	5
43	MP2A	X	45.732	.5

Member Point Loads (BLC 5 : Antenna Wo (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP2A	Z	-26.403	.5
45	MP2A	Mx	.017	.5
46	MP3A	X	43.051	2.5
47	MP3A	Z	-24.856	2.5
48	MP3A	Mx	.016	2.5

Member Point Loads (BLC 6 : Antenna Wo (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	18.982	2
2	MP2A	Z	0	2
3	MP2A	Mx	.019	2
4	MP2A	X	18.982	3
5	MP2A	Z	0	3
6	MP2A	Mx	.019	3
7	MP2A	X	18.982	2
8	MP2A	Z	0	2
9	MP2A	Mx	.019	2
10	MP2A	X	18.982	3
11	MP2A	Z	0	3
12	MP2A	Mx	.019	3
13	MP3A	X	26.615	1
14	MP3A	Z	0	1
15	MP3A	Mx	-.02	1
16	MP3A	X	26.615	3
17	MP3A	Z	0	3
18	MP3A	Mx	-.02	3
19	MP1A	X	76.394	1
20	MP1A	Z	0	1
21	MP1A	Mx	-.054	1
22	MP1A	X	76.394	3
23	MP1A	Z	0	3
24	MP1A	Mx	-.054	3
25	MP4A	X	76.394	1
26	MP4A	Z	0	1
27	MP4A	Mx	-.054	1
28	MP4A	X	76.394	3
29	MP4A	Z	0	3
30	MP4A	Mx	-.054	3
31	MP2A	X	45.935	1
32	MP2A	Z	0	1
33	MP2A	Mx	-.034	1
34	MP2A	X	45.935	5
35	MP2A	Z	0	5
36	MP2A	Mx	-.034	5
37	MP2A	X	45.935	1
38	MP2A	Z	0	1
39	MP2A	Mx	-.034	1
40	MP2A	X	45.935	5
41	MP2A	Z	0	5
42	MP2A	Mx	-.034	5
43	MP2A	X	43.359	.5
44	MP2A	Z	0	.5
45	MP2A	Mx	.02	.5
46	MP3A	X	36.743	2.5
47	MP3A	Z	0	2.5
48	MP3A	Mx	.017	2.5

Member Point Loads (BLC 7 : Antenna Wo (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.427	2
2	MP2A	Z	9.484	2
3	MP2A	Mx	.02	2
4	MP2A	X	16.427	3
5	MP2A	Z	9.484	3
6	MP2A	Mx	.02	3
7	MP2A	X	16.427	2
8	MP2A	Z	9.484	2
9	MP2A	Mx	.013	2
10	MP2A	X	16.427	3
11	MP2A	Z	9.484	3
12	MP2A	Mx	.013	3
13	MP3A	X	34.019	1
14	MP3A	Z	19.641	1
15	MP3A	Mx	-.026	1
16	MP3A	X	34.019	3
17	MP3A	Z	19.641	3
18	MP3A	Mx	-.026	3
19	MP1A	X	54.667	1
20	MP1A	Z	31.562	1
21	MP1A	Mx	-.03	1
22	MP1A	X	54.667	3
23	MP1A	Z	31.562	3
24	MP1A	Mx	-.03	3
25	MP4A	X	54.667	1
26	MP4A	Z	31.562	1
27	MP4A	Mx	-.03	1
28	MP4A	X	54.667	3
29	MP4A	Z	31.562	3
30	MP4A	Mx	-.03	3
31	MP2A	X	53.013	1
32	MP2A	Z	30.607	1
33	MP2A	Mx	-.019	1
34	MP2A	X	53.013	5
35	MP2A	Z	30.607	5
36	MP2A	Mx	-.019	5
37	MP2A	X	53.013	1
38	MP2A	Z	30.607	1
39	MP2A	Mx	-.06	1
40	MP2A	X	53.013	5
41	MP2A	Z	30.607	5
42	MP2A	Mx	-.06	5
43	MP2A	X	36.038	.5
44	MP2A	Z	20.806	.5
45	MP2A	Mx	.02	.5
46	MP3A	X	29.745	2.5
47	MP3A	Z	17.173	2.5
48	MP3A	Mx	.017	2.5

Member Point Loads (BLC 8 : Antenna Wo (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	9.47	2
2	MP2A	Z	16.402	2
3	MP2A	Mx	.015	2
4	MP2A	X	9.47	3
5	MP2A	Z	16.402	3

Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.015	3
7	MP2A	X	9.47	2
8	MP2A	Z	16.402	2
9	MP2A	Mx	.004	2
10	MP2A	X	9.47	3
11	MP2A	Z	16.402	3
12	MP2A	Mx	.004	3
13	MP3A	X	32.307	1
14	MP3A	Z	55.958	1
15	MP3A	Mx	-.024	1
16	MP3A	X	32.307	3
17	MP3A	Z	55.958	3
18	MP3A	Mx	-.024	3
19	MP1A	X	26.153	1
20	MP1A	Z	45.299	1
21	MP1A	Mx	-.007	1
22	MP1A	X	26.153	3
23	MP1A	Z	45.299	3
24	MP1A	Mx	-.007	3
25	MP4A	X	26.153	1
26	MP4A	Z	45.299	1
27	MP4A	Mx	-.007	1
28	MP4A	X	26.153	3
29	MP4A	Z	45.299	3
30	MP4A	Mx	-.007	3
31	MP2A	X	45.886	1
32	MP2A	Z	79.476	1
33	MP2A	Mx	.019	1
34	MP2A	X	45.886	5
35	MP2A	Z	79.476	5
36	MP2A	Mx	.019	5
37	MP2A	X	45.886	1
38	MP2A	Z	79.476	1
39	MP2A	Mx	-.087	1
40	MP2A	X	45.886	5
41	MP2A	Z	79.476	5
42	MP2A	Mx	-.087	5
43	MP2A	X	24.657	.5
44	MP2A	Z	42.708	.5
45	MP2A	Mx	.019	.5
46	MP3A	X	22.459	2.5
47	MP3A	Z	38.901	2.5
48	MP3A	Mx	.017	2.5

Member Point Loads (BLC 9 : Antenna Wo (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	18.926	2
3	MP2A	Mx	.006	2
4	MP2A	X	0	3
5	MP2A	Z	18.926	3
6	MP2A	Mx	.006	3
7	MP2A	X	0	2
8	MP2A	Z	18.926	2
9	MP2A	Mx	-.006	2
10	MP2A	X	0	3

Member Point Loads (BLC 9 : Antenna Wo (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2A	Z	18.926	3
12	MP2A	Mx	-.006	3
13	MP3A	X	0	1
14	MP3A	Z	77.281	1
15	MP3A	Mx	0	1
16	MP3A	X	0	3
17	MP3A	Z	77.281	3
18	MP3A	Mx	0	3
19	MP1A	X	0	1
20	MP1A	Z	54.759	1
21	MP1A	Mx	.014	1
22	MP1A	X	0	3
23	MP1A	Z	54.759	3
24	MP1A	Mx	.014	3
25	MP4A	X	0	1
26	MP4A	Z	54.759	1
27	MP4A	Mx	.014	1
28	MP4A	X	0	3
29	MP4A	Z	54.759	3
30	MP4A	Mx	.014	3
31	MP2A	X	0	1
32	MP2A	Z	107.05	1
33	MP2A	Mx	.071	1
34	MP2A	X	0	5
35	MP2A	Z	107.05	5
36	MP2A	Mx	.071	5
37	MP2A	X	0	1
38	MP2A	Z	107.05	1
39	MP2A	Mx	-.071	1
40	MP2A	X	0	5
41	MP2A	Z	107.05	5
42	MP2A	Mx	-.071	5
43	MP2A	X	0	.5
44	MP2A	Z	58.763	.5
45	MP2A	Mx	.01	.5
46	MP3A	X	0	2.5
47	MP3A	Z	57.886	2.5
48	MP3A	Mx	.01	2.5

Member Point Loads (BLC 10 : Antenna Wo (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.47	2
2	MP2A	Z	16.402	2
3	MP2A	Mx	-.004	2
4	MP2A	X	-9.47	3
5	MP2A	Z	16.402	3
6	MP2A	Mx	-.004	3
7	MP2A	X	-9.47	2
8	MP2A	Z	16.402	2
9	MP2A	Mx	-.015	2
10	MP2A	X	-9.47	3
11	MP2A	Z	16.402	3
12	MP2A	Mx	-.015	3
13	MP3A	X	-32.307	1
14	MP3A	Z	55.958	1
15	MP3A	Mx	.024	1

Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3A	X	-32.307	3
17	MP3A	Z	55.958	3
18	MP3A	Mx	.024	3
19	MP1A	X	-34.014	1
20	MP1A	Z	58.914	1
21	MP1A	Mx	.039	1
22	MP1A	X	-34.014	3
23	MP1A	Z	58.914	3
24	MP1A	Mx	.039	3
25	MP4A	X	-34.014	1
26	MP4A	Z	58.914	1
27	MP4A	Mx	.039	1
28	MP4A	X	-34.014	3
29	MP4A	Z	58.914	3
30	MP4A	Mx	.039	3
31	MP2A	X	-45.886	1
32	MP2A	Z	79.476	1
33	MP2A	Mx	.087	1
34	MP2A	X	-45.886	5
35	MP2A	Z	79.476	5
36	MP2A	Mx	.087	5
37	MP2A	X	-45.886	1
38	MP2A	Z	79.476	1
39	MP2A	Mx	-.019	1
40	MP2A	X	-45.886	5
41	MP2A	Z	79.476	5
42	MP2A	Mx	-.019	5
43	MP2A	X	-30.254	.5
44	MP2A	Z	52.402	.5
45	MP2A	Mx	-.005	.5
46	MP3A	X	-30.141	2.5
47	MP3A	Z	52.206	2.5
48	MP3A	Mx	-.005	2.5

Member Point Loads (BLC 11 : Antenna Wo (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.427	2
2	MP2A	Z	9.484	2
3	MP2A	Mx	-.013	2
4	MP2A	X	-16.427	3
5	MP2A	Z	9.484	3
6	MP2A	Mx	-.013	3
7	MP2A	X	-16.427	2
8	MP2A	Z	9.484	2
9	MP2A	Mx	-.02	2
10	MP2A	X	-16.427	3
11	MP2A	Z	9.484	3
12	MP2A	Mx	-.02	3
13	MP3A	X	-34.019	1
14	MP3A	Z	19.641	1
15	MP3A	Mx	.026	1
16	MP3A	X	-34.019	3
17	MP3A	Z	19.641	3
18	MP3A	Mx	.026	3
19	MP1A	X	-68.283	1
20	MP1A	Z	39.423	1

Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	.058	1
22	MP1A	X	-68.283	3
23	MP1A	Z	39.423	3
24	MP1A	Mx	.058	3
25	MP4A	X	-68.283	1
26	MP4A	Z	39.423	1
27	MP4A	Mx	.058	1
28	MP4A	X	-68.283	3
29	MP4A	Z	39.423	3
30	MP4A	Mx	.058	3
31	MP2A	X	-53.013	1
32	MP2A	Z	30.607	1
33	MP2A	Mx	.06	1
34	MP2A	X	-53.013	5
35	MP2A	Z	30.607	5
36	MP2A	Mx	.06	5
37	MP2A	X	-53.013	1
38	MP2A	Z	30.607	1
39	MP2A	Mx	.019	1
40	MP2A	X	-53.013	5
41	MP2A	Z	30.607	5
42	MP2A	Mx	.019	5
43	MP2A	X	-45.732	.5
44	MP2A	Z	26.403	.5
45	MP2A	Mx	-.017	.5
46	MP3A	X	-43.051	2.5
47	MP3A	Z	24.856	2.5
48	MP3A	Mx	-.016	2.5

Member Point Loads (BLC 12 : Antenna Wo (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.982	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.019	2
4	MP2A	X	-18.982	3
5	MP2A	Z	0	3
6	MP2A	Mx	-.019	3
7	MP2A	X	-18.982	2
8	MP2A	Z	0	2
9	MP2A	Mx	-.019	2
10	MP2A	X	-18.982	3
11	MP2A	Z	0	3
12	MP2A	Mx	-.019	3
13	MP3A	X	-26.615	1
14	MP3A	Z	0	1
15	MP3A	Mx	.02	1
16	MP3A	X	-26.615	3
17	MP3A	Z	0	3
18	MP3A	Mx	.02	3
19	MP1A	X	-76.394	1
20	MP1A	Z	0	1
21	MP1A	Mx	.054	1
22	MP1A	X	-76.394	3
23	MP1A	Z	0	3
24	MP1A	Mx	.054	3
25	MP4A	X	-76.394	1

Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP4A	Z	0	1
27	MP4A	Mx	.054	1
28	MP4A	X	-76.394	3
29	MP4A	Z	0	3
30	MP4A	Mx	.054	3
31	MP2A	X	-45.935	1
32	MP2A	Z	0	1
33	MP2A	Mx	.034	1
34	MP2A	X	-45.935	5
35	MP2A	Z	0	5
36	MP2A	Mx	.034	5
37	MP2A	X	-45.935	1
38	MP2A	Z	0	1
39	MP2A	Mx	.034	1
40	MP2A	X	-45.935	5
41	MP2A	Z	0	5
42	MP2A	Mx	.034	5
43	MP2A	X	-43.359	.5
44	MP2A	Z	0	.5
45	MP2A	Mx	-.02	.5
46	MP3A	X	-36.743	2.5
47	MP3A	Z	0	2.5
48	MP3A	Mx	-.017	2.5

Member Point Loads (BLC 13 : Antenna Wo (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.427	2
2	MP2A	Z	-9.484	2
3	MP2A	Mx	-.02	2
4	MP2A	X	-16.427	3
5	MP2A	Z	-9.484	3
6	MP2A	Mx	-.02	3
7	MP2A	X	-16.427	2
8	MP2A	Z	-9.484	2
9	MP2A	Mx	-.013	2
10	MP2A	X	-16.427	3
11	MP2A	Z	-9.484	3
12	MP2A	Mx	-.013	3
13	MP3A	X	-34.019	1
14	MP3A	Z	-19.641	1
15	MP3A	Mx	.026	1
16	MP3A	X	-34.019	3
17	MP3A	Z	-19.641	3
18	MP3A	Mx	.026	3
19	MP1A	X	-54.667	1
20	MP1A	Z	-31.562	1
21	MP1A	Mx	.03	1
22	MP1A	X	-54.667	3
23	MP1A	Z	-31.562	3
24	MP1A	Mx	.03	3
25	MP4A	X	-54.667	1
26	MP4A	Z	-31.562	1
27	MP4A	Mx	.03	1
28	MP4A	X	-54.667	3
29	MP4A	Z	-31.562	3
30	MP4A	Mx	.03	3

Member Point Loads (BLC 13 : Antenna Wo (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2A	X	-53.013	1
32	MP2A	Z	-30.607	1
33	MP2A	Mx	.019	1
34	MP2A	X	-53.013	5
35	MP2A	Z	-30.607	5
36	MP2A	Mx	.019	5
37	MP2A	X	-53.013	1
38	MP2A	Z	-30.607	1
39	MP2A	Mx	.06	1
40	MP2A	X	-53.013	5
41	MP2A	Z	-30.607	5
42	MP2A	Mx	.06	5
43	MP2A	X	-36.038	.5
44	MP2A	Z	-20.806	.5
45	MP2A	Mx	-.02	.5
46	MP3A	X	-29.745	2.5
47	MP3A	Z	-17.173	2.5
48	MP3A	Mx	-.017	2.5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-9.47	2
2	MP2A	Z	-16.402	2
3	MP2A	Mx	-.015	2
4	MP2A	X	-9.47	3
5	MP2A	Z	-16.402	3
6	MP2A	Mx	-.015	3
7	MP2A	X	-9.47	2
8	MP2A	Z	-16.402	2
9	MP2A	Mx	-.004	2
10	MP2A	X	-9.47	3
11	MP2A	Z	-16.402	3
12	MP2A	Mx	-.004	3
13	MP3A	X	-32.307	1
14	MP3A	Z	-55.958	1
15	MP3A	Mx	.024	1
16	MP3A	X	-32.307	3
17	MP3A	Z	-55.958	3
18	MP3A	Mx	.024	3
19	MP1A	X	-26.153	1
20	MP1A	Z	-45.299	1
21	MP1A	Mx	.007	1
22	MP1A	X	-26.153	3
23	MP1A	Z	-45.299	3
24	MP1A	Mx	.007	3
25	MP4A	X	-26.153	1
26	MP4A	Z	-45.299	1
27	MP4A	Mx	.007	1
28	MP4A	X	-26.153	3
29	MP4A	Z	-45.299	3
30	MP4A	Mx	.007	3
31	MP2A	X	-45.886	1
32	MP2A	Z	-79.476	1
33	MP2A	Mx	-.019	1
34	MP2A	X	-45.886	5
35	MP2A	Z	-79.476	5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2A	Mx	-.019	5
37	MP2A	X	-45.886	1
38	MP2A	Z	-79.476	1
39	MP2A	Mx	.087	1
40	MP2A	X	-45.886	5
41	MP2A	Z	-79.476	5
42	MP2A	Mx	.087	5
43	MP2A	X	-24.657	.5
44	MP2A	Z	-42.708	.5
45	MP2A	Mx	-.019	.5
46	MP3A	X	-22.459	2.5
47	MP3A	Z	-38.901	2.5
48	MP3A	Mx	-.017	2.5

Member Point Loads (BLC 15 : Antenna Wi (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	-1.115	2
3	MP2A	Mx	-.000372	2
4	MP2A	X	0	3
5	MP2A	Z	-1.115	3
6	MP2A	Mx	-.000372	3
7	MP2A	X	0	2
8	MP2A	Z	-1.115	2
9	MP2A	Mx	.000372	2
10	MP2A	X	0	3
11	MP2A	Z	-1.115	3
12	MP2A	Mx	.000372	3
13	MP3A	X	0	1
14	MP3A	Z	-12.693	1
15	MP3A	Mx	0	1
16	MP3A	X	0	3
17	MP3A	Z	-12.693	3
18	MP3A	Mx	0	3
19	MP1A	X	0	1
20	MP1A	Z	-7.981	1
21	MP1A	Mx	-.002	1
22	MP1A	X	0	3
23	MP1A	Z	-7.981	3
24	MP1A	Mx	-.002	3
25	MP4A	X	0	1
26	MP4A	Z	-7.981	1
27	MP4A	Mx	-.002	1
28	MP4A	X	0	3
29	MP4A	Z	-7.981	3
30	MP4A	Mx	-.002	3
31	MP2A	X	0	1
32	MP2A	Z	-21.299	1
33	MP2A	Mx	-.014	1
34	MP2A	X	0	5
35	MP2A	Z	-21.299	5
36	MP2A	Mx	-.014	5
37	MP2A	X	0	1
38	MP2A	Z	-21.299	1
39	MP2A	Mx	.014	1
40	MP2A	X	0	5

Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP2A	Z	-21.299	5
42	MP2A	Mx	.014	5
43	MP2A	X	0	.5
44	MP2A	Z	-10.329	.5
45	MP2A	Mx	-.002	.5
46	MP3A	X	0	2.5
47	MP3A	Z	-10.184	2.5
48	MP3A	Mx	-.002	2.5

Member Point Loads (BLC 16 : Antenna Wi (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.786	2
2	MP2A	Z	-1.362	2
3	MP2A	Mx	.000332	2
4	MP2A	X	.786	3
5	MP2A	Z	-1.362	3
6	MP2A	Mx	.000332	3
7	MP2A	X	.786	2
8	MP2A	Z	-1.362	2
9	MP2A	Mx	.001	2
10	MP2A	X	.786	3
11	MP2A	Z	-1.362	3
12	MP2A	Mx	.001	3
13	MP3A	X	5.437	1
14	MP3A	Z	-9.417	1
15	MP3A	Mx	-.004	1
16	MP3A	X	5.437	3
17	MP3A	Z	-9.417	3
18	MP3A	Mx	-.004	3
19	MP1A	X	4.814	1
20	MP1A	Z	-8.337	1
21	MP1A	Mx	-.006	1
22	MP1A	X	4.814	3
23	MP1A	Z	-8.337	3
24	MP1A	Mx	-.006	3
25	MP4A	X	4.814	1
26	MP4A	Z	-8.337	1
27	MP4A	Mx	-.006	1
28	MP4A	X	4.814	3
29	MP4A	Z	-8.337	3
30	MP4A	Mx	-.006	3
31	MP2A	X	9.824	1
32	MP2A	Z	-17.016	1
33	MP2A	Mx	-.019	1
34	MP2A	X	9.824	5
35	MP2A	Z	-17.016	5
36	MP2A	Mx	-.019	5
37	MP2A	X	9.824	1
38	MP2A	Z	-17.016	1
39	MP2A	Mx	.004	1
40	MP2A	X	9.824	5
41	MP2A	Z	-17.016	5
42	MP2A	Mx	.004	5
43	MP2A	X	5.306	.5
44	MP2A	Z	-9.189	.5
45	MP2A	Mx	.000922	.5

Member Point Loads (BLC 16 : Antenna Wi (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3A	X	5.287	2.5
47	MP3A	Z	-9.157	2.5
48	MP3A	Mx	.000918	2.5

Member Point Loads (BLC 17 : Antenna Wi (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.156	2
2	MP2A	Z	-1.245	2
3	MP2A	Mx	.002	2
4	MP2A	X	2.156	3
5	MP2A	Z	-1.245	3
6	MP2A	Mx	.002	3
7	MP2A	X	2.156	2
8	MP2A	Z	-1.245	2
9	MP2A	Mx	.003	2
10	MP2A	X	2.156	3
11	MP2A	Z	-1.245	3
12	MP2A	Mx	.003	3
13	MP3A	X	6.266	1
14	MP3A	Z	-3.617	1
15	MP3A	Mx	-.005	1
16	MP3A	X	6.266	3
17	MP3A	Z	-3.617	3
18	MP3A	Mx	-.005	3
19	MP1A	X	9.5	1
20	MP1A	Z	-5.485	1
21	MP1A	Mx	-.008	1
22	MP1A	X	9.5	3
23	MP1A	Z	-5.485	3
24	MP1A	Mx	-.008	3
25	MP4A	X	9.5	1
26	MP4A	Z	-5.485	1
27	MP4A	Mx	-.008	1
28	MP4A	X	9.5	3
29	MP4A	Z	-5.485	3
30	MP4A	Mx	-.008	3
31	MP2A	X	14.158	1
32	MP2A	Z	-8.174	1
33	MP2A	Mx	-.016	1
34	MP2A	X	14.158	5
35	MP2A	Z	-8.174	5
36	MP2A	Mx	-.016	5
37	MP2A	X	14.158	1
38	MP2A	Z	-8.174	1
39	MP2A	Mx	-.005	1
40	MP2A	X	14.158	5
41	MP2A	Z	-8.174	5
42	MP2A	Mx	-.005	5
43	MP2A	X	8.11	.5
44	MP2A	Z	-4.682	.5
45	MP2A	Mx	.003	.5
46	MP3A	X	7.668	2.5
47	MP3A	Z	-4.427	2.5
48	MP3A	Mx	.003	2.5

Member Point Loads (BLC 18 : Antenna Wi (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.947	2
2	MP2A	Z	0	2
3	MP2A	Mx	.003	2
4	MP2A	X	2.947	3
5	MP2A	Z	0	3
6	MP2A	Mx	.003	3
7	MP2A	X	2.947	2
8	MP2A	Z	0	2
9	MP2A	Mx	.003	2
10	MP2A	X	2.947	3
11	MP2A	Z	0	3
12	MP2A	Mx	.003	3
13	MP3A	X	5.416	1
14	MP3A	Z	0	1
15	MP3A	Mx	-.004	1
16	MP3A	X	5.416	3
17	MP3A	Z	0	3
18	MP3A	Mx	-.004	3
19	MP1A	X	10.665	1
20	MP1A	Z	0	1
21	MP1A	Mx	-.008	1
22	MP1A	X	10.665	3
23	MP1A	Z	0	3
24	MP1A	Mx	-.008	3
25	MP4A	X	10.665	1
26	MP4A	Z	0	1
27	MP4A	Mx	-.008	1
28	MP4A	X	10.665	3
29	MP4A	Z	0	3
30	MP4A	Mx	-.008	3
31	MP2A	X	14.699	1
32	MP2A	Z	0	1
33	MP2A	Mx	-.011	1
34	MP2A	X	14.699	5
35	MP2A	Z	0	5
36	MP2A	Mx	-.011	5
37	MP2A	X	14.699	1
38	MP2A	Z	0	1
39	MP2A	Mx	-.011	1
40	MP2A	X	14.699	5
41	MP2A	Z	0	5
42	MP2A	Mx	-.011	5
43	MP2A	X	7.836	.5
44	MP2A	Z	0	.5
45	MP2A	Mx	.004	.5
46	MP3A	X	6.744	2.5
47	MP3A	Z	0	2.5
48	MP3A	Mx	.003	2.5

Member Point Loads (BLC 19 : Antenna Wi (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.156	2
2	MP2A	Z	1.245	2
3	MP2A	Mx	.003	2
4	MP2A	X	2.156	3
5	MP2A	Z	1.245	3

Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.003	3
7	MP2A	X	2.156	2
8	MP2A	Z	1.245	2
9	MP2A	Mx	.002	2
10	MP2A	X	2.156	3
11	MP2A	Z	1.245	3
12	MP2A	Mx	.002	3
13	MP3A	X	6.266	1
14	MP3A	Z	3.617	1
15	MP3A	Mx	-.005	1
16	MP3A	X	6.266	3
17	MP3A	Z	3.617	3
18	MP3A	Mx	-.005	3
19	MP1A	X	7.811	1
20	MP1A	Z	4.509	1
21	MP1A	Mx	-.004	1
22	MP1A	X	7.811	3
23	MP1A	Z	4.509	3
24	MP1A	Mx	-.004	3
25	MP4A	X	7.811	1
26	MP4A	Z	4.509	1
27	MP4A	Mx	-.004	1
28	MP4A	X	7.811	3
29	MP4A	Z	4.509	3
30	MP4A	Mx	-.004	3
31	MP2A	X	14.158	1
32	MP2A	Z	8.174	1
33	MP2A	Mx	-.005	1
34	MP2A	X	14.158	5
35	MP2A	Z	8.174	5
36	MP2A	Mx	-.005	5
37	MP2A	X	14.158	1
38	MP2A	Z	8.174	1
39	MP2A	Mx	-.016	1
40	MP2A	X	14.158	5
41	MP2A	Z	8.174	5
42	MP2A	Mx	-.016	5
43	MP2A	X	6.541	.5
44	MP2A	Z	3.777	.5
45	MP2A	Mx	.004	.5
46	MP3A	X	5.503	2.5
47	MP3A	Z	3.177	2.5
48	MP3A	Mx	.003	2.5

Member Point Loads (BLC 20 : Antenna Wi (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.786	2
2	MP2A	Z	1.362	2
3	MP2A	Mx	.001	2
4	MP2A	X	.786	3
5	MP2A	Z	1.362	3
6	MP2A	Mx	.001	3
7	MP2A	X	.786	2
8	MP2A	Z	1.362	2
9	MP2A	Mx	.000332	2
10	MP2A	X	.786	3

Member Point Loads (BLC 20 : Antenna Wi (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2A	Z	1.362	3
12	MP2A	Mx	.000332	3
13	MP3A	X	5.437	1
14	MP3A	Z	9.417	1
15	MP3A	Mx	-.004	1
16	MP3A	X	5.437	3
17	MP3A	Z	9.417	3
18	MP3A	Mx	-.004	3
19	MP1A	X	3.838	1
20	MP1A	Z	6.648	1
21	MP1A	Mx	-.001	1
22	MP1A	X	3.838	3
23	MP1A	Z	6.648	3
24	MP1A	Mx	-.001	3
25	MP4A	X	3.838	1
26	MP4A	Z	6.648	1
27	MP4A	Mx	-.001	1
28	MP4A	X	3.838	3
29	MP4A	Z	6.648	3
30	MP4A	Mx	-.001	3
31	MP2A	X	9.824	1
32	MP2A	Z	17.016	1
33	MP2A	Mx	.004	1
34	MP2A	X	9.824	5
35	MP2A	Z	17.016	5
36	MP2A	Mx	.004	5
37	MP2A	X	9.824	1
38	MP2A	Z	17.016	1
39	MP2A	Mx	-.019	1
40	MP2A	X	9.824	5
41	MP2A	Z	17.016	5
42	MP2A	Mx	-.019	5
43	MP2A	X	4.4	.5
44	MP2A	Z	7.621	.5
45	MP2A	Mx	.003	.5
46	MP3A	X	4.037	2.5
47	MP3A	Z	6.992	2.5
48	MP3A	Mx	.003	2.5

Member Point Loads (BLC 21 : Antenna Wi (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	1.115	2
3	MP2A	Mx	.000372	2
4	MP2A	X	0	3
5	MP2A	Z	1.115	3
6	MP2A	Mx	.000372	3
7	MP2A	X	0	2
8	MP2A	Z	1.115	2
9	MP2A	Mx	-.000372	2
10	MP2A	X	0	3
11	MP2A	Z	1.115	3
12	MP2A	Mx	-.000372	3
13	MP3A	X	0	1
14	MP3A	Z	12.693	1
15	MP3A	Mx	0	1

Member Point Loads (BLC 21 : Antenna Wi (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3A	X	0	3
17	MP3A	Z	12.693	3
18	MP3A	Mx	0	3
19	MP1A	X	0	1
20	MP1A	Z	7.981	1
21	MP1A	Mx	.002	1
22	MP1A	X	0	3
23	MP1A	Z	7.981	3
24	MP1A	Mx	.002	3
25	MP4A	X	0	1
26	MP4A	Z	7.981	1
27	MP4A	Mx	.002	1
28	MP4A	X	0	3
29	MP4A	Z	7.981	3
30	MP4A	Mx	.002	3
31	MP2A	X	0	1
32	MP2A	Z	21.299	1
33	MP2A	Mx	.014	1
34	MP2A	X	0	5
35	MP2A	Z	21.299	5
36	MP2A	Mx	.014	5
37	MP2A	X	0	1
38	MP2A	Z	21.299	1
39	MP2A	Mx	-.014	1
40	MP2A	X	0	5
41	MP2A	Z	21.299	5
42	MP2A	Mx	-.014	5
43	MP2A	X	0	.5
44	MP2A	Z	10.329	.5
45	MP2A	Mx	.002	.5
46	MP3A	X	0	2.5
47	MP3A	Z	10.184	2.5
48	MP3A	Mx	.002	2.5

Member Point Loads (BLC 22 : Antenna Wi (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.786	2
2	MP2A	Z	1.362	2
3	MP2A	Mx	-.000332	2
4	MP2A	X	-.786	3
5	MP2A	Z	1.362	3
6	MP2A	Mx	-.000332	3
7	MP2A	X	-.786	2
8	MP2A	Z	1.362	2
9	MP2A	Mx	-.001	2
10	MP2A	X	-.786	3
11	MP2A	Z	1.362	3
12	MP2A	Mx	-.001	3
13	MP3A	X	-5.437	1
14	MP3A	Z	9.417	1
15	MP3A	Mx	.004	1
16	MP3A	X	-5.437	3
17	MP3A	Z	9.417	3
18	MP3A	Mx	.004	3
19	MP1A	X	-4.814	1
20	MP1A	Z	8.337	1

Member Point Loads (BLC 22 : Antenna Wi (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	.006	1
22	MP1A	X	-4.814	3
23	MP1A	Z	8.337	3
24	MP1A	Mx	.006	3
25	MP4A	X	-4.814	1
26	MP4A	Z	8.337	1
27	MP4A	Mx	.006	1
28	MP4A	X	-4.814	3
29	MP4A	Z	8.337	3
30	MP4A	Mx	.006	3
31	MP2A	X	-9.824	1
32	MP2A	Z	17.016	1
33	MP2A	Mx	.019	1
34	MP2A	X	-9.824	5
35	MP2A	Z	17.016	5
36	MP2A	Mx	.019	5
37	MP2A	X	-9.824	1
38	MP2A	Z	17.016	1
39	MP2A	Mx	-.004	1
40	MP2A	X	-9.824	5
41	MP2A	Z	17.016	5
42	MP2A	Mx	-.004	5
43	MP2A	X	-5.306	.5
44	MP2A	Z	9.189	.5
45	MP2A	Mx	-.000922	.5
46	MP3A	X	-5.287	2.5
47	MP3A	Z	9.157	2.5
48	MP3A	Mx	-.000918	2.5

Member Point Loads (BLC 23 : Antenna Wi (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.156	2
2	MP2A	Z	1.245	2
3	MP2A	Mx	-.002	2
4	MP2A	X	-2.156	3
5	MP2A	Z	1.245	3
6	MP2A	Mx	-.002	3
7	MP2A	X	-2.156	2
8	MP2A	Z	1.245	2
9	MP2A	Mx	-.003	2
10	MP2A	X	-2.156	3
11	MP2A	Z	1.245	3
12	MP2A	Mx	-.003	3
13	MP3A	X	-6.266	1
14	MP3A	Z	3.617	1
15	MP3A	Mx	.005	1
16	MP3A	X	-6.266	3
17	MP3A	Z	3.617	3
18	MP3A	Mx	.005	3
19	MP1A	X	-9.5	1
20	MP1A	Z	5.485	1
21	MP1A	Mx	.008	1
22	MP1A	X	-9.5	3
23	MP1A	Z	5.485	3
24	MP1A	Mx	.008	3
25	MP4A	X	-9.5	1

Member Point Loads (BLC 23 : Antenna Wi (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP4A	Z	5.485	1
27	MP4A	Mx	.008	1
28	MP4A	X	-9.5	3
29	MP4A	Z	5.485	3
30	MP4A	Mx	.008	3
31	MP2A	X	-14.158	1
32	MP2A	Z	8.174	1
33	MP2A	Mx	.016	1
34	MP2A	X	-14.158	5
35	MP2A	Z	8.174	5
36	MP2A	Mx	.016	5
37	MP2A	X	-14.158	1
38	MP2A	Z	8.174	1
39	MP2A	Mx	.005	1
40	MP2A	X	-14.158	5
41	MP2A	Z	8.174	5
42	MP2A	Mx	.005	5
43	MP2A	X	-8.11	.5
44	MP2A	Z	4.682	.5
45	MP2A	Mx	-.003	.5
46	MP3A	X	-7.668	2.5
47	MP3A	Z	4.427	2.5
48	MP3A	Mx	-.003	2.5

Member Point Loads (BLC 24 : Antenna Wi (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.947	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.003	2
4	MP2A	X	-2.947	3
5	MP2A	Z	0	3
6	MP2A	Mx	-.003	3
7	MP2A	X	-2.947	2
8	MP2A	Z	0	2
9	MP2A	Mx	-.003	2
10	MP2A	X	-2.947	3
11	MP2A	Z	0	3
12	MP2A	Mx	-.003	3
13	MP3A	X	-5.416	1
14	MP3A	Z	0	1
15	MP3A	Mx	.004	1
16	MP3A	X	-5.416	3
17	MP3A	Z	0	3
18	MP3A	Mx	.004	3
19	MP1A	X	-10.665	1
20	MP1A	Z	0	1
21	MP1A	Mx	.008	1
22	MP1A	X	-10.665	3
23	MP1A	Z	0	3
24	MP1A	Mx	.008	3
25	MP4A	X	-10.665	1
26	MP4A	Z	0	1
27	MP4A	Mx	.008	1
28	MP4A	X	-10.665	3
29	MP4A	Z	0	3
30	MP4A	Mx	.008	3

Member Point Loads (BLC 24 : Antenna Wi (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2A	X	-14.699	1
32	MP2A	Z	0	1
33	MP2A	Mx	.011	1
34	MP2A	X	-14.699	5
35	MP2A	Z	0	5
36	MP2A	Mx	.011	5
37	MP2A	X	-14.699	1
38	MP2A	Z	0	1
39	MP2A	Mx	.011	1
40	MP2A	X	-14.699	5
41	MP2A	Z	0	5
42	MP2A	Mx	.011	5
43	MP2A	X	-7.836	.5
44	MP2A	Z	0	.5
45	MP2A	Mx	-.004	.5
46	MP3A	X	-6.744	2.5
47	MP3A	Z	0	2.5
48	MP3A	Mx	-.003	2.5

Member Point Loads (BLC 25 : Antenna Wi (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.156	2
2	MP2A	Z	-1.245	2
3	MP2A	Mx	-.003	2
4	MP2A	X	-2.156	3
5	MP2A	Z	-1.245	3
6	MP2A	Mx	-.003	3
7	MP2A	X	-2.156	2
8	MP2A	Z	-1.245	2
9	MP2A	Mx	-.002	2
10	MP2A	X	-2.156	3
11	MP2A	Z	-1.245	3
12	MP2A	Mx	-.002	3
13	MP3A	X	-6.266	1
14	MP3A	Z	-3.617	1
15	MP3A	Mx	.005	1
16	MP3A	X	-6.266	3
17	MP3A	Z	-3.617	3
18	MP3A	Mx	.005	3
19	MP1A	X	-7.811	1
20	MP1A	Z	-4.509	1
21	MP1A	Mx	.004	1
22	MP1A	X	-7.811	3
23	MP1A	Z	-4.509	3
24	MP1A	Mx	.004	3
25	MP4A	X	-7.811	1
26	MP4A	Z	-4.509	1
27	MP4A	Mx	.004	1
28	MP4A	X	-7.811	3
29	MP4A	Z	-4.509	3
30	MP4A	Mx	.004	3
31	MP2A	X	-14.158	1
32	MP2A	Z	-8.174	1
33	MP2A	Mx	.005	1
34	MP2A	X	-14.158	5
35	MP2A	Z	-8.174	5

Member Point Loads (BLC 25 : Antenna Wi (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2A	Mx	.005	5
37	MP2A	X	-14.158	1
38	MP2A	Z	-8.174	1
39	MP2A	Mx	.016	1
40	MP2A	X	-14.158	5
41	MP2A	Z	-8.174	5
42	MP2A	Mx	.016	5
43	MP2A	X	-6.541	.5
44	MP2A	Z	-3.777	.5
45	MP2A	Mx	-.004	.5
46	MP3A	X	-5.503	2.5
47	MP3A	Z	-3.177	2.5
48	MP3A	Mx	-.003	2.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.786	2
2	MP2A	Z	-1.362	2
3	MP2A	Mx	-.001	2
4	MP2A	X	-.786	3
5	MP2A	Z	-1.362	3
6	MP2A	Mx	-.001	3
7	MP2A	X	-.786	2
8	MP2A	Z	-1.362	2
9	MP2A	Mx	-.000332	2
10	MP2A	X	-.786	3
11	MP2A	Z	-1.362	3
12	MP2A	Mx	-.000332	3
13	MP3A	X	-5.437	1
14	MP3A	Z	-9.417	1
15	MP3A	Mx	.004	1
16	MP3A	X	-5.437	3
17	MP3A	Z	-9.417	3
18	MP3A	Mx	.004	3
19	MP1A	X	-3.838	1
20	MP1A	Z	-6.648	1
21	MP1A	Mx	.001	1
22	MP1A	X	-3.838	3
23	MP1A	Z	-6.648	3
24	MP1A	Mx	.001	3
25	MP4A	X	-3.838	1
26	MP4A	Z	-6.648	1
27	MP4A	Mx	.001	1
28	MP4A	X	-3.838	3
29	MP4A	Z	-6.648	3
30	MP4A	Mx	.001	3
31	MP2A	X	-9.824	1
32	MP2A	Z	-17.016	1
33	MP2A	Mx	-.004	1
34	MP2A	X	-9.824	5
35	MP2A	Z	-17.016	5
36	MP2A	Mx	-.004	5
37	MP2A	X	-9.824	1
38	MP2A	Z	-17.016	1
39	MP2A	Mx	.019	1
40	MP2A	X	-9.824	5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP2A	Z	-17.016	5
42	MP2A	Mx	.019	5
43	MP2A	X	-4.4	.5
44	MP2A	Z	-7.621	.5
45	MP2A	Mx	-.003	.5
46	MP3A	X	-4.037	2.5
47	MP3A	Z	-6.992	2.5
48	MP3A	Mx	-.003	2.5

Member Point Loads (BLC 27 : Antenna Wm (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	-1.288	2
3	MP2A	Mx	-.000429	2
4	MP2A	X	0	3
5	MP2A	Z	-1.288	3
6	MP2A	Mx	-.000429	3
7	MP2A	X	0	2
8	MP2A	Z	-1.288	2
9	MP2A	Mx	.000429	2
10	MP2A	X	0	3
11	MP2A	Z	-1.288	3
12	MP2A	Mx	.000429	3
13	MP3A	X	0	1
14	MP3A	Z	-5.259	1
15	MP3A	Mx	0	1
16	MP3A	X	0	3
17	MP3A	Z	-5.259	3
18	MP3A	Mx	0	3
19	MP1A	X	0	1
20	MP1A	Z	-3.726	1
21	MP1A	Mx	-.000956	1
22	MP1A	X	0	3
23	MP1A	Z	-3.726	3
24	MP1A	Mx	-.000956	3
25	MP4A	X	0	1
26	MP4A	Z	-3.726	1
27	MP4A	Mx	-.000956	1
28	MP4A	X	0	3
29	MP4A	Z	-3.726	3
30	MP4A	Mx	-.000956	3
31	MP2A	X	0	1
32	MP2A	Z	-7.285	1
33	MP2A	Mx	-.005	1
34	MP2A	X	0	5
35	MP2A	Z	-7.285	5
36	MP2A	Mx	-.005	5
37	MP2A	X	0	1
38	MP2A	Z	-7.285	1
39	MP2A	Mx	.005	1
40	MP2A	X	0	5
41	MP2A	Z	-7.285	5
42	MP2A	Mx	.005	5
43	MP2A	X	0	.5
44	MP2A	Z	-3.999	.5
45	MP2A	Mx	-.000684	.5

Member Point Loads (BLC 27 : Antenna Wm (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3A	X	0	2.5
47	MP3A	Z	-3.939	2.5
48	MP3A	Mx	-.000674	2.5

Member Point Loads (BLC 28 : Antenna Wm (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.644	2
2	MP2A	Z	-1.116	2
3	MP2A	Mx	.000272	2
4	MP2A	X	.644	3
5	MP2A	Z	-1.116	3
6	MP2A	Mx	.000272	3
7	MP2A	X	.644	2
8	MP2A	Z	-1.116	2
9	MP2A	Mx	.001	2
10	MP2A	X	.644	3
11	MP2A	Z	-1.116	3
12	MP2A	Mx	.001	3
13	MP3A	X	2.199	1
14	MP3A	Z	-3.808	1
15	MP3A	Mx	-.002	1
16	MP3A	X	2.199	3
17	MP3A	Z	-3.808	3
18	MP3A	Mx	-.002	3
19	MP1A	X	2.315	1
20	MP1A	Z	-4.009	1
21	MP1A	Mx	-.003	1
22	MP1A	X	2.315	3
23	MP1A	Z	-4.009	3
24	MP1A	Mx	-.003	3
25	MP4A	X	2.315	1
26	MP4A	Z	-4.009	1
27	MP4A	Mx	-.003	1
28	MP4A	X	2.315	3
29	MP4A	Z	-4.009	3
30	MP4A	Mx	-.003	3
31	MP2A	X	3.123	1
32	MP2A	Z	-5.409	1
33	MP2A	Mx	-.006	1
34	MP2A	X	3.123	5
35	MP2A	Z	-5.409	5
36	MP2A	Mx	-.006	5
37	MP2A	X	3.123	1
38	MP2A	Z	-5.409	1
39	MP2A	Mx	.001	1
40	MP2A	X	3.123	5
41	MP2A	Z	-5.409	5
42	MP2A	Mx	.001	5
43	MP2A	X	2.059	.5
44	MP2A	Z	-3.566	.5
45	MP2A	Mx	.000358	.5
46	MP3A	X	2.051	2.5
47	MP3A	Z	-3.553	2.5
48	MP3A	Mx	.000356	2.5

Member Point Loads (BLC 29 : Antenna Wm (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.118	2
2	MP2A	Z	-.645	2
3	MP2A	Mx	.000903	2
4	MP2A	X	1.118	3
5	MP2A	Z	-.645	3
6	MP2A	Mx	.000903	3
7	MP2A	X	1.118	2
8	MP2A	Z	-.645	2
9	MP2A	Mx	.001	2
10	MP2A	X	1.118	3
11	MP2A	Z	-.645	3
12	MP2A	Mx	.001	3
13	MP3A	X	2.315	1
14	MP3A	Z	-1.337	1
15	MP3A	Mx	-.002	1
16	MP3A	X	2.315	3
17	MP3A	Z	-1.337	3
18	MP3A	Mx	-.002	3
19	MP1A	X	4.647	1
20	MP1A	Z	-2.683	1
21	MP1A	Mx	-.004	1
22	MP1A	X	4.647	3
23	MP1A	Z	-2.683	3
24	MP1A	Mx	-.004	3
25	MP4A	X	4.647	1
26	MP4A	Z	-2.683	1
27	MP4A	Mx	-.004	1
28	MP4A	X	4.647	3
29	MP4A	Z	-2.683	3
30	MP4A	Mx	-.004	3
31	MP2A	X	3.608	1
32	MP2A	Z	-2.083	1
33	MP2A	Mx	-.004	1
34	MP2A	X	3.608	5
35	MP2A	Z	-2.083	5
36	MP2A	Mx	-.004	5
37	MP2A	X	3.608	1
38	MP2A	Z	-2.083	1
39	MP2A	Mx	-.001	1
40	MP2A	X	3.608	5
41	MP2A	Z	-2.083	5
42	MP2A	Mx	-.001	5
43	MP2A	X	3.112	.5
44	MP2A	Z	-1.797	.5
45	MP2A	Mx	.001	.5
46	MP3A	X	2.93	2.5
47	MP3A	Z	-1.691	2.5
48	MP3A	Mx	.001	2.5

Member Point Loads (BLC 30 : Antenna Wm (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.292	2
2	MP2A	Z	0	2
3	MP2A	Mx	.001	2
4	MP2A	X	1.292	3
5	MP2A	Z	0	3

Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2A	Mx	.001	3
7	MP2A	X	1.292	2
8	MP2A	Z	0	2
9	MP2A	Mx	.001	2
10	MP2A	X	1.292	3
11	MP2A	Z	0	3
12	MP2A	Mx	.001	3
13	MP3A	X	1.811	1
14	MP3A	Z	0	1
15	MP3A	Mx	-.001	1
16	MP3A	X	1.811	3
17	MP3A	Z	0	3
18	MP3A	Mx	-.001	3
19	MP1A	X	5.199	1
20	MP1A	Z	0	1
21	MP1A	Mx	-.004	1
22	MP1A	X	5.199	3
23	MP1A	Z	0	3
24	MP1A	Mx	-.004	3
25	MP4A	X	5.199	1
26	MP4A	Z	0	1
27	MP4A	Mx	-.004	1
28	MP4A	X	5.199	3
29	MP4A	Z	0	3
30	MP4A	Mx	-.004	3
31	MP2A	X	3.126	1
32	MP2A	Z	0	1
33	MP2A	Mx	-.002	1
34	MP2A	X	3.126	5
35	MP2A	Z	0	5
36	MP2A	Mx	-.002	5
37	MP2A	X	3.126	1
38	MP2A	Z	0	1
39	MP2A	Mx	-.002	1
40	MP2A	X	3.126	5
41	MP2A	Z	0	5
42	MP2A	Mx	-.002	5
43	MP2A	X	2.951	.5
44	MP2A	Z	0	.5
45	MP2A	Mx	.001	.5
46	MP3A	X	2.5	2.5
47	MP3A	Z	0	2.5
48	MP3A	Mx	.001	2.5

Member Point Loads (BLC 31 : Antenna Wm (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.118	2
2	MP2A	Z	.645	2
3	MP2A	Mx	.001	2
4	MP2A	X	1.118	3
5	MP2A	Z	.645	3
6	MP2A	Mx	.001	3
7	MP2A	X	1.118	2
8	MP2A	Z	.645	2
9	MP2A	Mx	.000903	2
10	MP2A	X	1.118	3

Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2A	Z	.645	3
12	MP2A	Mx	.000903	3
13	MP3A	X	2.315	1
14	MP3A	Z	1.337	1
15	MP3A	Mx	-.002	1
16	MP3A	X	2.315	3
17	MP3A	Z	1.337	3
18	MP3A	Mx	-.002	3
19	MP1A	X	3.72	1
20	MP1A	Z	2.148	1
21	MP1A	Mx	-.002	1
22	MP1A	X	3.72	3
23	MP1A	Z	2.148	3
24	MP1A	Mx	-.002	3
25	MP4A	X	3.72	1
26	MP4A	Z	2.148	1
27	MP4A	Mx	-.002	1
28	MP4A	X	3.72	3
29	MP4A	Z	2.148	3
30	MP4A	Mx	-.002	3
31	MP2A	X	3.608	1
32	MP2A	Z	2.083	1
33	MP2A	Mx	-.001	1
34	MP2A	X	3.608	5
35	MP2A	Z	2.083	5
36	MP2A	Mx	-.001	5
37	MP2A	X	3.608	1
38	MP2A	Z	2.083	1
39	MP2A	Mx	-.004	1
40	MP2A	X	3.608	5
41	MP2A	Z	2.083	5
42	MP2A	Mx	-.004	5
43	MP2A	X	2.452	.5
44	MP2A	Z	1.416	.5
45	MP2A	Mx	.001	.5
46	MP3A	X	2.024	2.5
47	MP3A	Z	1.169	2.5
48	MP3A	Mx	.001	2.5

Member Point Loads (BLC 32 : Antenna Wm (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.644	2
2	MP2A	Z	1.116	2
3	MP2A	Mx	.001	2
4	MP2A	X	.644	3
5	MP2A	Z	1.116	3
6	MP2A	Mx	.001	3
7	MP2A	X	.644	2
8	MP2A	Z	1.116	2
9	MP2A	Mx	.000272	2
10	MP2A	X	.644	3
11	MP2A	Z	1.116	3
12	MP2A	Mx	.000272	3
13	MP3A	X	2.199	1
14	MP3A	Z	3.808	1
15	MP3A	Mx	-.002	1

Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3A	X	2.199	3
17	MP3A	Z	3.808	3
18	MP3A	Mx	-.002	3
19	MP1A	X	1.78	1
20	MP1A	Z	3.083	1
21	MP1A	Mx	-.000464	1
22	MP1A	X	1.78	3
23	MP1A	Z	3.083	3
24	MP1A	Mx	-.000464	3
25	MP4A	X	1.78	1
26	MP4A	Z	3.083	1
27	MP4A	Mx	-.000464	1
28	MP4A	X	1.78	3
29	MP4A	Z	3.083	3
30	MP4A	Mx	-.000464	3
31	MP2A	X	3.123	1
32	MP2A	Z	5.409	1
33	MP2A	Mx	.001	1
34	MP2A	X	3.123	5
35	MP2A	Z	5.409	5
36	MP2A	Mx	.001	5
37	MP2A	X	3.123	1
38	MP2A	Z	5.409	1
39	MP2A	Mx	-.006	1
40	MP2A	X	3.123	5
41	MP2A	Z	5.409	5
42	MP2A	Mx	-.006	5
43	MP2A	X	1.678	.5
44	MP2A	Z	2.906	.5
45	MP2A	Mx	.001	.5
46	MP3A	X	1.528	2.5
47	MP3A	Z	2.647	2.5
48	MP3A	Mx	.001	2.5

Member Point Loads (BLC 33 : Antenna Wm (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	2
2	MP2A	Z	1.288	2
3	MP2A	Mx	.000429	2
4	MP2A	X	0	3
5	MP2A	Z	1.288	3
6	MP2A	Mx	.000429	3
7	MP2A	X	0	2
8	MP2A	Z	1.288	2
9	MP2A	Mx	-.000429	2
10	MP2A	X	0	3
11	MP2A	Z	1.288	3
12	MP2A	Mx	-.000429	3
13	MP3A	X	0	1
14	MP3A	Z	5.259	1
15	MP3A	Mx	0	1
16	MP3A	X	0	3
17	MP3A	Z	5.259	3
18	MP3A	Mx	0	3
19	MP1A	X	0	1
20	MP1A	Z	3.726	1

Member Point Loads (BLC 33 : Antenna Wm (180 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP1A	Mx	.000956	1
22	MP1A	X	0	3
23	MP1A	Z	3.726	3
24	MP1A	Mx	.000956	3
25	MP4A	X	0	1
26	MP4A	Z	3.726	1
27	MP4A	Mx	.000956	1
28	MP4A	X	0	3
29	MP4A	Z	3.726	3
30	MP4A	Mx	.000956	3
31	MP2A	X	0	1
32	MP2A	Z	7.285	1
33	MP2A	Mx	.005	1
34	MP2A	X	0	5
35	MP2A	Z	7.285	5
36	MP2A	Mx	.005	5
37	MP2A	X	0	1
38	MP2A	Z	7.285	1
39	MP2A	Mx	-.005	1
40	MP2A	X	0	5
41	MP2A	Z	7.285	5
42	MP2A	Mx	-.005	5
43	MP2A	X	0	.5
44	MP2A	Z	3.999	.5
45	MP2A	Mx	.000684	.5
46	MP3A	X	0	2.5
47	MP3A	Z	3.939	2.5
48	MP3A	Mx	.000674	2.5

Member Point Loads (BLC 34 : Antenna Wm (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.644	2
2	MP2A	Z	1.116	2
3	MP2A	Mx	-.000272	2
4	MP2A	X	-.644	3
5	MP2A	Z	1.116	3
6	MP2A	Mx	-.000272	3
7	MP2A	X	-.644	2
8	MP2A	Z	1.116	2
9	MP2A	Mx	-.001	2
10	MP2A	X	-.644	3
11	MP2A	Z	1.116	3
12	MP2A	Mx	-.001	3
13	MP3A	X	-2.199	1
14	MP3A	Z	3.808	1
15	MP3A	Mx	.002	1
16	MP3A	X	-2.199	3
17	MP3A	Z	3.808	3
18	MP3A	Mx	.002	3
19	MP1A	X	-2.315	1
20	MP1A	Z	4.009	1
21	MP1A	Mx	.003	1
22	MP1A	X	-2.315	3
23	MP1A	Z	4.009	3
24	MP1A	Mx	.003	3
25	MP4A	X	-2.315	1

Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP4A	Z	4.009	1
27	MP4A	Mx	.003	1
28	MP4A	X	-2.315	3
29	MP4A	Z	4.009	3
30	MP4A	Mx	.003	3
31	MP2A	X	-3.123	1
32	MP2A	Z	5.409	1
33	MP2A	Mx	.006	1
34	MP2A	X	-3.123	5
35	MP2A	Z	5.409	5
36	MP2A	Mx	.006	5
37	MP2A	X	-3.123	1
38	MP2A	Z	5.409	1
39	MP2A	Mx	-.001	1
40	MP2A	X	-3.123	5
41	MP2A	Z	5.409	5
42	MP2A	Mx	-.001	5
43	MP2A	X	-2.059	.5
44	MP2A	Z	3.566	.5
45	MP2A	Mx	-.000358	.5
46	MP3A	X	-2.051	2.5
47	MP3A	Z	3.553	2.5
48	MP3A	Mx	-.000356	2.5

Member Point Loads (BLC 35 : Antenna Wm (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.118	2
2	MP2A	Z	.645	2
3	MP2A	Mx	-.000903	2
4	MP2A	X	-1.118	3
5	MP2A	Z	.645	3
6	MP2A	Mx	-.000903	3
7	MP2A	X	-1.118	2
8	MP2A	Z	.645	2
9	MP2A	Mx	-.001	2
10	MP2A	X	-1.118	3
11	MP2A	Z	.645	3
12	MP2A	Mx	-.001	3
13	MP3A	X	-2.315	1
14	MP3A	Z	1.337	1
15	MP3A	Mx	.002	1
16	MP3A	X	-2.315	3
17	MP3A	Z	1.337	3
18	MP3A	Mx	.002	3
19	MP1A	X	-4.647	1
20	MP1A	Z	2.683	1
21	MP1A	Mx	.004	1
22	MP1A	X	-4.647	3
23	MP1A	Z	2.683	3
24	MP1A	Mx	.004	3
25	MP4A	X	-4.647	1
26	MP4A	Z	2.683	1
27	MP4A	Mx	.004	1
28	MP4A	X	-4.647	3
29	MP4A	Z	2.683	3
30	MP4A	Mx	.004	3

Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2A	X	-3.608	1
32	MP2A	Z	2.083	1
33	MP2A	Mx	.004	1
34	MP2A	X	-3.608	5
35	MP2A	Z	2.083	5
36	MP2A	Mx	.004	5
37	MP2A	X	-3.608	1
38	MP2A	Z	2.083	1
39	MP2A	Mx	.001	1
40	MP2A	X	-3.608	5
41	MP2A	Z	2.083	5
42	MP2A	Mx	.001	5
43	MP2A	X	-3.112	.5
44	MP2A	Z	1.797	.5
45	MP2A	Mx	-.001	.5
46	MP3A	X	-2.93	2.5
47	MP3A	Z	1.691	2.5
48	MP3A	Mx	-.001	2.5

Member Point Loads (BLC 36 : Antenna Wm (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.292	2
2	MP2A	Z	0	2
3	MP2A	Mx	-.001	2
4	MP2A	X	-1.292	3
5	MP2A	Z	0	3
6	MP2A	Mx	-.001	3
7	MP2A	X	-1.292	2
8	MP2A	Z	0	2
9	MP2A	Mx	-.001	2
10	MP2A	X	-1.292	3
11	MP2A	Z	0	3
12	MP2A	Mx	-.001	3
13	MP3A	X	-1.811	1
14	MP3A	Z	0	1
15	MP3A	Mx	.001	1
16	MP3A	X	-1.811	3
17	MP3A	Z	0	3
18	MP3A	Mx	.001	3
19	MP1A	X	-5.199	1
20	MP1A	Z	0	1
21	MP1A	Mx	.004	1
22	MP1A	X	-5.199	3
23	MP1A	Z	0	3
24	MP1A	Mx	.004	3
25	MP4A	X	-5.199	1
26	MP4A	Z	0	1
27	MP4A	Mx	.004	1
28	MP4A	X	-5.199	3
29	MP4A	Z	0	3
30	MP4A	Mx	.004	3
31	MP2A	X	-3.126	1
32	MP2A	Z	0	1
33	MP2A	Mx	.002	1
34	MP2A	X	-3.126	5
35	MP2A	Z	0	5

Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2A	Mx	.002	5
37	MP2A	X	-3.126	1
38	MP2A	Z	0	1
39	MP2A	Mx	.002	1
40	MP2A	X	-3.126	5
41	MP2A	Z	0	5
42	MP2A	Mx	.002	5
43	MP2A	X	-2.951	.5
44	MP2A	Z	0	.5
45	MP2A	Mx	-.001	.5
46	MP3A	X	-2.5	2.5
47	MP3A	Z	0	2.5
48	MP3A	Mx	-.001	2.5

Member Point Loads (BLC 37 : Antenna Wm (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.118	2
2	MP2A	Z	-.645	2
3	MP2A	Mx	-.001	2
4	MP2A	X	-1.118	3
5	MP2A	Z	-.645	3
6	MP2A	Mx	-.001	3
7	MP2A	X	-1.118	2
8	MP2A	Z	-.645	2
9	MP2A	Mx	-.000903	2
10	MP2A	X	-1.118	3
11	MP2A	Z	-.645	3
12	MP2A	Mx	-.000903	3
13	MP3A	X	-2.315	1
14	MP3A	Z	-1.337	1
15	MP3A	Mx	.002	1
16	MP3A	X	-2.315	3
17	MP3A	Z	-1.337	3
18	MP3A	Mx	.002	3
19	MP1A	X	-3.72	1
20	MP1A	Z	-2.148	1
21	MP1A	Mx	.002	1
22	MP1A	X	-3.72	3
23	MP1A	Z	-2.148	3
24	MP1A	Mx	.002	3
25	MP4A	X	-3.72	1
26	MP4A	Z	-2.148	1
27	MP4A	Mx	.002	1
28	MP4A	X	-3.72	3
29	MP4A	Z	-2.148	3
30	MP4A	Mx	.002	3
31	MP2A	X	-3.608	1
32	MP2A	Z	-2.083	1
33	MP2A	Mx	.001	1
34	MP2A	X	-3.608	5
35	MP2A	Z	-2.083	5
36	MP2A	Mx	.001	5
37	MP2A	X	-3.608	1
38	MP2A	Z	-2.083	1
39	MP2A	Mx	.004	1
40	MP2A	X	-3.608	5

Member Point Loads (BLC 37 : Antenna Wm (300 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP2A	Z	-2.083	5
42	MP2A	Mx	.004	5
43	MP2A	X	-2.452	.5
44	MP2A	Z	-1.416	.5
45	MP2A	Mx	-.001	.5
46	MP3A	X	-2.024	2.5
47	MP3A	Z	-1.169	2.5
48	MP3A	Mx	-.001	2.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-.644	2
2	MP2A	Z	-1.116	2
3	MP2A	Mx	-.001	2
4	MP2A	X	-.644	3
5	MP2A	Z	-1.116	3
6	MP2A	Mx	-.001	3
7	MP2A	X	-.644	2
8	MP2A	Z	-1.116	2
9	MP2A	Mx	-.000272	2
10	MP2A	X	-.644	3
11	MP2A	Z	-1.116	3
12	MP2A	Mx	-.000272	3
13	MP3A	X	-2.199	1
14	MP3A	Z	-3.808	1
15	MP3A	Mx	.002	1
16	MP3A	X	-2.199	3
17	MP3A	Z	-3.808	3
18	MP3A	Mx	.002	3
19	MP1A	X	-1.78	1
20	MP1A	Z	-3.083	1
21	MP1A	Mx	.000464	1
22	MP1A	X	-1.78	3
23	MP1A	Z	-3.083	3
24	MP1A	Mx	.000464	3
25	MP4A	X	-1.78	1
26	MP4A	Z	-3.083	1
27	MP4A	Mx	.000464	1
28	MP4A	X	-1.78	3
29	MP4A	Z	-3.083	3
30	MP4A	Mx	.000464	3
31	MP2A	X	-3.123	1
32	MP2A	Z	-5.409	1
33	MP2A	Mx	-.001	1
34	MP2A	X	-3.123	5
35	MP2A	Z	-5.409	5
36	MP2A	Mx	-.001	5
37	MP2A	X	-3.123	1
38	MP2A	Z	-5.409	1
39	MP2A	Mx	.006	1
40	MP2A	X	-3.123	5
41	MP2A	Z	-5.409	5
42	MP2A	Mx	.006	5
43	MP2A	X	-1.678	.5
44	MP2A	Z	-2.906	.5
45	MP2A	Mx	-.001	.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3A	X	-1.528	2.5
47	MP3A	Z	-2.647	2.5
48	MP3A	Mx	-.001	2.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%65

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%36

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-.312	2
2	MP2A	My	.000312	2
3	MP2A	Mz	.000104	2
4	MP2A	Y	-.312	3
5	MP2A	My	.000312	3
6	MP2A	Mz	.000104	3
7	MP2A	Y	-.312	2
8	MP2A	My	.000312	2
9	MP2A	Mz	-.000104	2
10	MP2A	Y	-.312	3
11	MP2A	My	.000312	3
12	MP2A	Mz	-.000104	3
13	MP3A	Y	-1.542	1
14	MP3A	My	-.001	1
15	MP3A	Mz	0	1
16	MP3A	Y	-1.542	3
17	MP3A	My	-.001	3
18	MP3A	Mz	0	3
19	MP1A	Y	-.195	1
20	MP1A	My	-.000137	1
21	MP1A	Mz	5e-5	1
22	MP1A	Y	-.195	3
23	MP1A	My	-.000137	3
24	MP1A	Mz	5e-5	3
25	MP4A	Y	-.195	1
26	MP4A	My	-.000137	1
27	MP4A	Mz	5e-5	1
28	MP4A	Y	-.195	3
29	MP4A	My	-.000137	3
30	MP4A	Mz	5e-5	3
31	MP2A	Y	-.774	1
32	MP2A	My	-.00058	1

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2A	Mz	.000516	1
34	MP2A	Y	-.774	5
35	MP2A	My	-.00058	5
36	MP2A	Mz	.000516	5
37	MP2A	Y	-.774	1
38	MP2A	My	-.00058	1
39	MP2A	Mz	-.000516	1
40	MP2A	Y	-.774	5
41	MP2A	My	-.00058	5
42	MP2A	Mz	-.000516	5
43	MP2A	Y	-2.989	.5
44	MP2A	My	.001	.5
45	MP2A	Mz	.000511	.5
46	MP3A	Y	-2.49	2.5
47	MP3A	My	.001	2.5
48	MP3A	Mz	.000426	2.5

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-.779	2
2	MP2A	Mx	-.00026	2
3	MP2A	Z	-.779	3
4	MP2A	Mx	-.00026	3
5	MP2A	Z	-.779	2
6	MP2A	Mx	.00026	2
7	MP2A	Z	-.779	3
8	MP2A	Mx	.00026	3
9	MP3A	Z	-3.856	1
10	MP3A	Mx	0	1
11	MP3A	Z	-3.856	3
12	MP3A	Mx	0	3
13	MP1A	Z	-.487	1
14	MP1A	Mx	-.000125	1
15	MP1A	Z	-.487	3
16	MP1A	Mx	-.000125	3
17	MP4A	Z	-.487	1
18	MP4A	Mx	-.000125	1
19	MP4A	Z	-.487	3
20	MP4A	Mx	-.000125	3
21	MP2A	Z	-1.934	1
22	MP2A	Mx	-.001	1
23	MP2A	Z	-1.934	5
24	MP2A	Mx	-.001	5
25	MP2A	Z	-1.934	1
26	MP2A	Mx	.001	1
27	MP2A	Z	-1.934	5
28	MP2A	Mx	.001	5
29	MP2A	Z	-7.472	.5
30	MP2A	Mx	-.001	.5
31	MP3A	Z	-6.224	2.5
32	MP3A	Mx	-.001	2.5

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	.779	2
2	MP2A	Mx	.000779	2

Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	X	.779	3
4	MP2A	Mx	.000779	3
5	MP2A	X	.779	2
6	MP2A	Mx	.000779	2
7	MP2A	X	.779	3
8	MP2A	Mx	.000779	3
9	MP3A	X	3.856	1
10	MP3A	Mx	-.003	1
11	MP3A	X	3.856	3
12	MP3A	Mx	-.003	3
13	MP1A	X	.487	1
14	MP1A	Mx	-.000343	1
15	MP1A	X	.487	3
16	MP1A	Mx	-.000343	3
17	MP4A	X	.487	1
18	MP4A	Mx	-.000343	1
19	MP4A	X	.487	3
20	MP4A	Mx	-.000343	3
21	MP2A	X	1.934	1
22	MP2A	Mx	-.001	1
23	MP2A	X	1.934	5
24	MP2A	Mx	-.001	5
25	MP2A	X	1.934	1
26	MP2A	Mx	-.001	1
27	MP2A	X	1.934	5
28	MP2A	Mx	-.001	5
29	MP2A	X	7.472	.5
30	MP2A	Mx	.004	.5
31	MP3A	X	6.224	2.5
32	MP3A	Mx	.003	2.5

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-5.104	-5.104	0	%100
2	M2	Y	-5.104	-5.104	0	%100
3	RCP	Y	-6.772	-6.772	0	%100
4	M18	Y	-6.772	-6.772	0	%100
5	M19	Y	-2.768	-2.768	0	%100
6	M22	Y	-6.721	-6.721	0	%100
7	M25	Y	-10.33	-10.33	0	%100
8	M26	Y	-10.33	-10.33	0	%100
9	M27	Y	-10.33	-10.33	0	%100
10	M28	Y	-10.33	-10.33	0	%100
11	M29	Y	-10.33	-10.33	0	%100
12	M30	Y	-10.33	-10.33	0	%100
13	M35	Y	-10.33	-10.33	0	%100
14	M36	Y	-10.33	-10.33	0	%100
15	M37	Y	-10.33	-10.33	0	%100
16	M38	Y	-10.33	-10.33	0	%100
17	M39	Y	-10.33	-10.33	0	%100
18	M40	Y	-10.33	-10.33	0	%100
19	MP4A	Y	-5.104	-5.104	0	%100
20	MP3A	Y	-5.104	-5.104	0	%100
21	MP1A	Y	-5.104	-5.104	0	%100
22	MP2A	Y	-5.104	-5.104	0	%100

Member Distributed Loads (BLC 40 : Structure Di) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M46	Y	-4.421	-4.421	0	%100
24	M47	Y	-4.421	-4.421	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-9.364	-9.364	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-9.364	-9.364	0	%100
5	RCP	X	0	0	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	-2.957	-2.957	0	%100
11	M22	X	0	0	0	%100
12	M22	Z	-10.889	-10.889	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	-23.657	-23.657	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	-23.657	-23.657	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	-23.657	-23.657	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	-23.657	-23.657	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-9.364	-9.364	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-9.364	-9.364	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	-9.364	-9.364	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	-9.364	-9.364	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-6.053	-6.053	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-3.235	-3.235	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg))

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

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.512	3.512	0	%100
2	M1	Z	-6.082	-6.082	0	%100
3	M2	X	3.512	3.512	0	%100
4	M2	Z	-6.082	-6.082	0	%100
5	RCP	X	.984	.984	0	%100
6	RCP	Z	-1.704	-1.704	0	%100
7	M18	X	.984	.984	0	%100
8	M18	Z	-1.704	-1.704	0	%100
9	M19	X	1.479	1.479	0	%100
10	M19	Z	-2.561	-2.561	0	%100
11	M22	X	5.445	5.445	0	%100
12	M22	Z	-9.43	-9.43	0	%100
13	M25	X	8.872	8.872	0	%100
14	M25	Z	-15.366	-15.366	0	%100
15	M26	X	8.872	8.872	0	%100
16	M26	Z	-15.366	-15.366	0	%100
17	M27	X	2.957	2.957	0	%100
18	M27	Z	-5.122	-5.122	0	%100
19	M28	X	2.957	2.957	0	%100
20	M28	Z	-5.122	-5.122	0	%100
21	M29	X	2.957	2.957	0	%100
22	M29	Z	-5.122	-5.122	0	%100
23	M30	X	2.957	2.957	0	%100
24	M30	Z	-5.122	-5.122	0	%100
25	M35	X	2.957	2.957	0	%100
26	M35	Z	-5.122	-5.122	0	%100
27	M36	X	2.957	2.957	0	%100
28	M36	Z	-5.122	-5.122	0	%100
29	M37	X	2.957	2.957	0	%100
30	M37	Z	-5.122	-5.122	0	%100
31	M38	X	2.957	2.957	0	%100
32	M38	Z	-5.122	-5.122	0	%100
33	M39	X	8.872	8.872	0	%100
34	M39	Z	-15.366	-15.366	0	%100
35	M40	X	8.872	8.872	0	%100
36	M40	Z	-15.366	-15.366	0	%100
37	MP4A	X	4.682	4.682	0	%100
38	MP4A	Z	-8.11	-8.11	0	%100
39	MP3A	X	4.682	4.682	0	%100
40	MP3A	Z	-8.11	-8.11	0	%100
41	MP1A	X	4.682	4.682	0	%100
42	MP1A	Z	-8.11	-8.11	0	%100
43	MP2A	X	4.682	4.682	0	%100
44	MP2A	Z	-8.11	-8.11	0	%100
45	M46	X	3.727	3.727	0	%100
46	M46	Z	-6.456	-6.456	0	%100
47	M47	X	3.352	3.352	0	%100
48	M47	Z	-5.806	-5.806	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.027	2.027	0	%100
2	M1	Z	-1.171	-1.171	0	%100
3	M2	X	2.027	2.027	0	%100
4	M2	Z	-1.171	-1.171	0	%100
5	RCP	X	5.113	5.113	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	RCP	Z	-2.952	-2.952	0	%100
7	M18	X	5.113	5.113	0	%100
8	M18	Z	-2.952	-2.952	0	%100
9	M19	X	2.561	2.561	0	%100
10	M19	Z	-1.479	-1.479	0	%100
11	M22	X	9.43	9.43	0	%100
12	M22	Z	-5.445	-5.445	0	%100
13	M25	X	5.122	5.122	0	%100
14	M25	Z	-2.957	-2.957	0	%100
15	M26	X	5.122	5.122	0	%100
16	M26	Z	-2.957	-2.957	0	%100
17	M27	X	15.366	15.366	0	%100
18	M27	Z	-8.872	-8.872	0	%100
19	M28	X	15.366	15.366	0	%100
20	M28	Z	-8.872	-8.872	0	%100
21	M29	X	15.366	15.366	0	%100
22	M29	Z	-8.872	-8.872	0	%100
23	M30	X	15.366	15.366	0	%100
24	M30	Z	-8.872	-8.872	0	%100
25	M35	X	15.366	15.366	0	%100
26	M35	Z	-8.872	-8.872	0	%100
27	M36	X	15.366	15.366	0	%100
28	M36	Z	-8.872	-8.872	0	%100
29	M37	X	15.366	15.366	0	%100
30	M37	Z	-8.872	-8.872	0	%100
31	M38	X	15.366	15.366	0	%100
32	M38	Z	-8.872	-8.872	0	%100
33	M39	X	5.122	5.122	0	%100
34	M39	Z	-2.957	-2.957	0	%100
35	M40	X	5.122	5.122	0	%100
36	M40	Z	-2.957	-2.957	0	%100
37	MP4A	X	8.11	8.11	0	%100
38	MP4A	Z	-4.682	-4.682	0	%100
39	MP3A	X	8.11	8.11	0	%100
40	MP3A	Z	-4.682	-4.682	0	%100
41	MP1A	X	8.11	8.11	0	%100
42	MP1A	Z	-4.682	-4.682	0	%100
43	MP2A	X	8.11	8.11	0	%100
44	MP2A	Z	-4.682	-4.682	0	%100
45	M46	X	4.458	4.458	0	%100
46	M46	Z	-2.574	-2.574	0	%100
47	M47	X	6.248	6.248	0	%100
48	M47	Z	-3.607	-3.607	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	RCP	X	7.872	7.872	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	7.872	7.872	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	2.957	2.957	0	%100
10	M19	Z	0	0	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M22	X	10.889	10.889	0	%100
12	M22	Z	0	0	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	23.657	23.657	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	23.657	23.657	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	23.657	23.657	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	23.657	23.657	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	23.657	23.657	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	23.657	23.657	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	23.657	23.657	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	23.657	23.657	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	0	0	0	%100
37	MP4A	X	9.364	9.364	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	9.364	9.364	0	%100
40	MP3A	Z	0	0	0	%100
41	MP1A	X	9.364	9.364	0	%100
42	MP1A	Z	0	0	0	%100
43	MP2A	X	9.364	9.364	0	%100
44	MP2A	Z	0	0	0	%100
45	M46	X	1.439	1.439	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	4.257	4.257	0	%100
48	M47	Z	0	0	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.027	2.027	0	%100
2	M1	Z	1.171	1.171	0	%100
3	M2	X	2.027	2.027	0	%100
4	M2	Z	1.171	1.171	0	%100
5	RCP	X	5.113	5.113	0	%100
6	RCP	Z	2.952	2.952	0	%100
7	M18	X	5.113	5.113	0	%100
8	M18	Z	2.952	2.952	0	%100
9	M19	X	2.561	2.561	0	%100
10	M19	Z	1.479	1.479	0	%100
11	M22	X	9.43	9.43	0	%100
12	M22	Z	5.445	5.445	0	%100
13	M25	X	5.122	5.122	0	%100
14	M25	Z	2.957	2.957	0	%100
15	M26	X	5.122	5.122	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M26	Z	2.957	2.957	0	%100
17	M27	X	15.366	15.366	0	%100
18	M27	Z	8.872	8.872	0	%100
19	M28	X	15.366	15.366	0	%100
20	M28	Z	8.872	8.872	0	%100
21	M29	X	15.366	15.366	0	%100
22	M29	Z	8.872	8.872	0	%100
23	M30	X	15.366	15.366	0	%100
24	M30	Z	8.872	8.872	0	%100
25	M35	X	15.366	15.366	0	%100
26	M35	Z	8.872	8.872	0	%100
27	M36	X	15.366	15.366	0	%100
28	M36	Z	8.872	8.872	0	%100
29	M37	X	15.366	15.366	0	%100
30	M37	Z	8.872	8.872	0	%100
31	M38	X	15.366	15.366	0	%100
32	M38	Z	8.872	8.872	0	%100
33	M39	X	5.122	5.122	0	%100
34	M39	Z	2.957	2.957	0	%100
35	M40	X	5.122	5.122	0	%100
36	M40	Z	2.957	2.957	0	%100
37	MP4A	X	8.11	8.11	0	%100
38	MP4A	Z	4.682	4.682	0	%100
39	MP3A	X	8.11	8.11	0	%100
40	MP3A	Z	4.682	4.682	0	%100
41	MP1A	X	8.11	8.11	0	%100
42	MP1A	Z	4.682	4.682	0	%100
43	MP2A	X	8.11	8.11	0	%100
44	MP2A	Z	4.682	4.682	0	%100
45	M46	X	.032	.032	0	%100
46	M46	Z	.018	.018	0	%100
47	M47	X	.682	.682	0	%100
48	M47	Z	.394	.394	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	3.512	3.512	0	%100
2	M1	Z	6.082	6.082	0	%100
3	M2	X	3.512	3.512	0	%100
4	M2	Z	6.082	6.082	0	%100
5	RCP	X	.984	.984	0	%100
6	RCP	Z	1.704	1.704	0	%100
7	M18	X	.984	.984	0	%100
8	M18	Z	1.704	1.704	0	%100
9	M19	X	1.479	1.479	0	%100
10	M19	Z	2.561	2.561	0	%100
11	M22	X	5.445	5.445	0	%100
12	M22	Z	9.43	9.43	0	%100
13	M25	X	8.872	8.872	0	%100
14	M25	Z	15.366	15.366	0	%100
15	M26	X	8.872	8.872	0	%100
16	M26	Z	15.366	15.366	0	%100
17	M27	X	2.957	2.957	0	%100
18	M27	Z	5.122	5.122	0	%100
19	M28	X	2.957	2.957	0	%100
20	M28	Z	5.122	5.122	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M29	X	2.957	2.957	0	%100
22	M29	Z	5.122	5.122	0	%100
23	M30	X	2.957	2.957	0	%100
24	M30	Z	5.122	5.122	0	%100
25	M35	X	2.957	2.957	0	%100
26	M35	Z	5.122	5.122	0	%100
27	M36	X	2.957	2.957	0	%100
28	M36	Z	5.122	5.122	0	%100
29	M37	X	2.957	2.957	0	%100
30	M37	Z	5.122	5.122	0	%100
31	M38	X	2.957	2.957	0	%100
32	M38	Z	5.122	5.122	0	%100
33	M39	X	8.872	8.872	0	%100
34	M39	Z	15.366	15.366	0	%100
35	M40	X	8.872	8.872	0	%100
36	M40	Z	15.366	15.366	0	%100
37	MP4A	X	4.682	4.682	0	%100
38	MP4A	Z	8.11	8.11	0	%100
39	MP3A	X	4.682	4.682	0	%100
40	MP3A	Z	8.11	8.11	0	%100
41	MP1A	X	4.682	4.682	0	%100
42	MP1A	Z	8.11	8.11	0	%100
43	MP2A	X	4.682	4.682	0	%100
44	MP2A	Z	8.11	8.11	0	%100
45	M46	X	1.172	1.172	0	%100
46	M46	Z	2.03	2.03	0	%100
47	M47	X	.138	.138	0	%100
48	M47	Z	.24	.24	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	9.364	9.364	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	9.364	9.364	0	%100
5	RCP	X	0	0	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	2.957	2.957	0	%100
11	M22	X	0	0	0	%100
12	M22	Z	10.889	10.889	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	23.657	23.657	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	23.657	23.657	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	0	0	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M35	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	23.657	23.657	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	23.657	23.657	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	9.364	9.364	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	9.364	9.364	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	9.364	9.364	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	9.364	9.364	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	6.053	6.053	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	3.235	3.235	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.512	-3.512	0	%100
2	M1	Z	6.082	6.082	0	%100
3	M2	X	-3.512	-3.512	0	%100
4	M2	Z	6.082	6.082	0	%100
5	RCP	X	-.984	-.984	0	%100
6	RCP	Z	1.704	1.704	0	%100
7	M18	X	-.984	-.984	0	%100
8	M18	Z	1.704	1.704	0	%100
9	M19	X	-1.479	-1.479	0	%100
10	M19	Z	2.561	2.561	0	%100
11	M22	X	-5.445	-5.445	0	%100
12	M22	Z	9.43	9.43	0	%100
13	M25	X	-8.872	-8.872	0	%100
14	M25	Z	15.366	15.366	0	%100
15	M26	X	-8.872	-8.872	0	%100
16	M26	Z	15.366	15.366	0	%100
17	M27	X	-2.957	-2.957	0	%100
18	M27	Z	5.122	5.122	0	%100
19	M28	X	-2.957	-2.957	0	%100
20	M28	Z	5.122	5.122	0	%100
21	M29	X	-2.957	-2.957	0	%100
22	M29	Z	5.122	5.122	0	%100
23	M30	X	-2.957	-2.957	0	%100
24	M30	Z	5.122	5.122	0	%100
25	M35	X	-2.957	-2.957	0	%100
26	M35	Z	5.122	5.122	0	%100
27	M36	X	-2.957	-2.957	0	%100
28	M36	Z	5.122	5.122	0	%100
29	M37	X	-2.957	-2.957	0	%100
30	M37	Z	5.122	5.122	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M38	X	-2.957	-2.957	0	%100
32	M38	Z	5.122	5.122	0	%100
33	M39	X	-8.872	-8.872	0	%100
34	M39	Z	15.366	15.366	0	%100
35	M40	X	-8.872	-8.872	0	%100
36	M40	Z	15.366	15.366	0	%100
37	MP4A	X	-4.682	-4.682	0	%100
38	MP4A	Z	8.11	8.11	0	%100
39	MP3A	X	-4.682	-4.682	0	%100
40	MP3A	Z	8.11	8.11	0	%100
41	MP1A	X	-4.682	-4.682	0	%100
42	MP1A	Z	8.11	8.11	0	%100
43	MP2A	X	-4.682	-4.682	0	%100
44	MP2A	Z	8.11	8.11	0	%100
45	M46	X	-3.727	-3.727	0	%100
46	M46	Z	6.456	6.456	0	%100
47	M47	X	-3.352	-3.352	0	%100
48	M47	Z	5.806	5.806	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.027	-2.027	0	%100
2	M1	Z	1.171	1.171	0	%100
3	M2	X	-2.027	-2.027	0	%100
4	M2	Z	1.171	1.171	0	%100
5	RCP	X	-5.113	-5.113	0	%100
6	RCP	Z	2.952	2.952	0	%100
7	M18	X	-5.113	-5.113	0	%100
8	M18	Z	2.952	2.952	0	%100
9	M19	X	-2.561	-2.561	0	%100
10	M19	Z	1.479	1.479	0	%100
11	M22	X	-9.43	-9.43	0	%100
12	M22	Z	5.445	5.445	0	%100
13	M25	X	-5.122	-5.122	0	%100
14	M25	Z	2.957	2.957	0	%100
15	M26	X	-5.122	-5.122	0	%100
16	M26	Z	2.957	2.957	0	%100
17	M27	X	-15.366	-15.366	0	%100
18	M27	Z	8.872	8.872	0	%100
19	M28	X	-15.366	-15.366	0	%100
20	M28	Z	8.872	8.872	0	%100
21	M29	X	-15.366	-15.366	0	%100
22	M29	Z	8.872	8.872	0	%100
23	M30	X	-15.366	-15.366	0	%100
24	M30	Z	8.872	8.872	0	%100
25	M35	X	-15.366	-15.366	0	%100
26	M35	Z	8.872	8.872	0	%100
27	M36	X	-15.366	-15.366	0	%100
28	M36	Z	8.872	8.872	0	%100
29	M37	X	-15.366	-15.366	0	%100
30	M37	Z	8.872	8.872	0	%100
31	M38	X	-15.366	-15.366	0	%100
32	M38	Z	8.872	8.872	0	%100
33	M39	X	-5.122	-5.122	0	%100
34	M39	Z	2.957	2.957	0	%100
35	M40	X	-5.122	-5.122	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	M40	Z	2.957	2.957	0	%100
37	MP4A	X	-8.11	-8.11	0	%100
38	MP4A	Z	4.682	4.682	0	%100
39	MP3A	X	-8.11	-8.11	0	%100
40	MP3A	Z	4.682	4.682	0	%100
41	MP1A	X	-8.11	-8.11	0	%100
42	MP1A	Z	4.682	4.682	0	%100
43	MP2A	X	-8.11	-8.11	0	%100
44	MP2A	Z	4.682	4.682	0	%100
45	M46	X	-4.458	-4.458	0	%100
46	M46	Z	2.574	2.574	0	%100
47	M47	X	-6.248	-6.248	0	%100
48	M47	Z	3.607	3.607	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	RCP	X	-7.872	-7.872	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	-7.872	-7.872	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	-2.957	-2.957	0	%100
10	M19	Z	0	0	0	%100
11	M22	X	-10.889	-10.889	0	%100
12	M22	Z	0	0	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	-23.657	-23.657	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	-23.657	-23.657	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	-23.657	-23.657	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	-23.657	-23.657	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	-23.657	-23.657	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	-23.657	-23.657	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	-23.657	-23.657	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	-23.657	-23.657	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	0	0	0	%100
37	MP4A	X	-9.364	-9.364	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-9.364	-9.364	0	%100
40	MP3A	Z	0	0	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP1A	X	-9.364	-9.364	0	%100
42	MP1A	Z	0	0	0	%100
43	MP2A	X	-9.364	-9.364	0	%100
44	MP2A	Z	0	0	0	%100
45	M46	X	-1.439	-1.439	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-4.257	-4.257	0	%100
48	M47	Z	0	0	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.027	-2.027	0	%100
2	M1	Z	-1.171	-1.171	0	%100
3	M2	X	-2.027	-2.027	0	%100
4	M2	Z	-1.171	-1.171	0	%100
5	RCP	X	-5.113	-5.113	0	%100
6	RCP	Z	-2.952	-2.952	0	%100
7	M18	X	-5.113	-5.113	0	%100
8	M18	Z	-2.952	-2.952	0	%100
9	M19	X	-2.561	-2.561	0	%100
10	M19	Z	-1.479	-1.479	0	%100
11	M22	X	-9.43	-9.43	0	%100
12	M22	Z	-5.445	-5.445	0	%100
13	M25	X	-5.122	-5.122	0	%100
14	M25	Z	-2.957	-2.957	0	%100
15	M26	X	-5.122	-5.122	0	%100
16	M26	Z	-2.957	-2.957	0	%100
17	M27	X	-15.366	-15.366	0	%100
18	M27	Z	-8.872	-8.872	0	%100
19	M28	X	-15.366	-15.366	0	%100
20	M28	Z	-8.872	-8.872	0	%100
21	M29	X	-15.366	-15.366	0	%100
22	M29	Z	-8.872	-8.872	0	%100
23	M30	X	-15.366	-15.366	0	%100
24	M30	Z	-8.872	-8.872	0	%100
25	M35	X	-15.366	-15.366	0	%100
26	M35	Z	-8.872	-8.872	0	%100
27	M36	X	-15.366	-15.366	0	%100
28	M36	Z	-8.872	-8.872	0	%100
29	M37	X	-15.366	-15.366	0	%100
30	M37	Z	-8.872	-8.872	0	%100
31	M38	X	-15.366	-15.366	0	%100
32	M38	Z	-8.872	-8.872	0	%100
33	M39	X	-5.122	-5.122	0	%100
34	M39	Z	-2.957	-2.957	0	%100
35	M40	X	-5.122	-5.122	0	%100
36	M40	Z	-2.957	-2.957	0	%100
37	MP4A	X	-8.11	-8.11	0	%100
38	MP4A	Z	-4.682	-4.682	0	%100
39	MP3A	X	-8.11	-8.11	0	%100
40	MP3A	Z	-4.682	-4.682	0	%100
41	MP1A	X	-8.11	-8.11	0	%100
42	MP1A	Z	-4.682	-4.682	0	%100
43	MP2A	X	-8.11	-8.11	0	%100
44	MP2A	Z	-4.682	-4.682	0	%100
45	M46	X	-.032	-.032	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M46	Z	-.018	-.018	0	%100
47	M47	X	-.682	-.682	0	%100
48	M47	Z	-.394	-.394	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-3.512	-3.512	0	%100
2	M1	Z	-6.082	-6.082	0	%100
3	M2	X	-3.512	-3.512	0	%100
4	M2	Z	-6.082	-6.082	0	%100
5	RCP	X	-.984	-.984	0	%100
6	RCP	Z	-1.704	-1.704	0	%100
7	M18	X	-.984	-.984	0	%100
8	M18	Z	-1.704	-1.704	0	%100
9	M19	X	-1.479	-1.479	0	%100
10	M19	Z	-2.561	-2.561	0	%100
11	M22	X	-5.445	-5.445	0	%100
12	M22	Z	-9.43	-9.43	0	%100
13	M25	X	-8.872	-8.872	0	%100
14	M25	Z	-15.366	-15.366	0	%100
15	M26	X	-8.872	-8.872	0	%100
16	M26	Z	-15.366	-15.366	0	%100
17	M27	X	-2.957	-2.957	0	%100
18	M27	Z	-5.122	-5.122	0	%100
19	M28	X	-2.957	-2.957	0	%100
20	M28	Z	-5.122	-5.122	0	%100
21	M29	X	-2.957	-2.957	0	%100
22	M29	Z	-5.122	-5.122	0	%100
23	M30	X	-2.957	-2.957	0	%100
24	M30	Z	-5.122	-5.122	0	%100
25	M35	X	-2.957	-2.957	0	%100
26	M35	Z	-5.122	-5.122	0	%100
27	M36	X	-2.957	-2.957	0	%100
28	M36	Z	-5.122	-5.122	0	%100
29	M37	X	-2.957	-2.957	0	%100
30	M37	Z	-5.122	-5.122	0	%100
31	M38	X	-2.957	-2.957	0	%100
32	M38	Z	-5.122	-5.122	0	%100
33	M39	X	-8.872	-8.872	0	%100
34	M39	Z	-15.366	-15.366	0	%100
35	M40	X	-8.872	-8.872	0	%100
36	M40	Z	-15.366	-15.366	0	%100
37	MP4A	X	-4.682	-4.682	0	%100
38	MP4A	Z	-8.11	-8.11	0	%100
39	MP3A	X	-4.682	-4.682	0	%100
40	MP3A	Z	-8.11	-8.11	0	%100
41	MP1A	X	-4.682	-4.682	0	%100
42	MP1A	Z	-8.11	-8.11	0	%100
43	MP2A	X	-4.682	-4.682	0	%100
44	MP2A	Z	-8.11	-8.11	0	%100
45	M46	X	-1.172	-1.172	0	%100
46	M46	Z	-2.03	-2.03	0	%100
47	M47	X	-.138	-.138	0	%100
48	M47	Z	-.24	-.24	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-2.255	-2.255	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.255	-2.255	0	%100
5	RCP	X	0	0	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	-1.225	-1.225	0	%100
11	M22	X	0	0	0	%100
12	M22	Z	-2.347	-2.347	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	-3.553	-3.553	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	-3.553	-3.553	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	-3.562	-3.562	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	-3.562	-3.562	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-2.255	-2.255	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-2.255	-2.255	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	-2.255	-2.255	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	-2.255	-2.255	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-1.639	-1.639	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-.876	-.876	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.846	.846	0	%100
2	M1	Z	-1.465	-1.465	0	%100
3	M2	X	.846	.846	0	%100
4	M2	Z	-1.465	-1.465	0	%100
5	RCP	X	.222	.222	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	RCP	Z	-.385	-.385	0	%100
7	M18	X	.222	.222	0	%100
8	M18	Z	-.385	-.385	0	%100
9	M19	X	.613	.613	0	%100
10	M19	Z	-1.061	-1.061	0	%100
11	M22	X	1.174	1.174	0	%100
12	M22	Z	-2.033	-2.033	0	%100
13	M25	X	1.332	1.332	0	%100
14	M25	Z	-2.308	-2.308	0	%100
15	M26	X	1.332	1.332	0	%100
16	M26	Z	-2.308	-2.308	0	%100
17	M27	X	.44	.44	0	%100
18	M27	Z	-.762	-.762	0	%100
19	M28	X	.44	.44	0	%100
20	M28	Z	-.762	-.762	0	%100
21	M29	X	.44	.44	0	%100
22	M29	Z	-.762	-.762	0	%100
23	M30	X	.44	.44	0	%100
24	M30	Z	-.762	-.762	0	%100
25	M35	X	.44	.44	0	%100
26	M35	Z	-.762	-.762	0	%100
27	M36	X	.44	.44	0	%100
28	M36	Z	-.762	-.762	0	%100
29	M37	X	.44	.44	0	%100
30	M37	Z	-.762	-.762	0	%100
31	M38	X	.44	.44	0	%100
32	M38	Z	-.762	-.762	0	%100
33	M39	X	1.336	1.336	0	%100
34	M39	Z	-2.314	-2.314	0	%100
35	M40	X	1.336	1.336	0	%100
36	M40	Z	-2.314	-2.314	0	%100
37	MP4A	X	1.128	1.128	0	%100
38	MP4A	Z	-1.953	-1.953	0	%100
39	MP3A	X	1.128	1.128	0	%100
40	MP3A	Z	-1.953	-1.953	0	%100
41	MP1A	X	1.128	1.128	0	%100
42	MP1A	Z	-1.953	-1.953	0	%100
43	MP2A	X	1.128	1.128	0	%100
44	MP2A	Z	-1.953	-1.953	0	%100
45	M46	X	1.009	1.009	0	%100
46	M46	Z	-1.748	-1.748	0	%100
47	M47	X	.908	.908	0	%100
48	M47	Z	-1.572	-1.572	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.488	.488	0	%100
2	M1	Z	-.282	-.282	0	%100
3	M2	X	.488	.488	0	%100
4	M2	Z	-.282	-.282	0	%100
5	RCP	X	1.154	1.154	0	%100
6	RCP	Z	-.666	-.666	0	%100
7	M18	X	1.154	1.154	0	%100
8	M18	Z	-.666	-.666	0	%100
9	M19	X	1.061	1.061	0	%100
10	M19	Z	-.613	-.613	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M22	X	2.033	2.033	0	%100
12	M22	Z	-1.174	-1.174	0	%100
13	M25	X	.769	.769	0	%100
14	M25	Z	-.444	-.444	0	%100
15	M26	X	.769	.769	0	%100
16	M26	Z	-.444	-.444	0	%100
17	M27	X	2.285	2.285	0	%100
18	M27	Z	-1.319	-1.319	0	%100
19	M28	X	2.285	2.285	0	%100
20	M28	Z	-1.319	-1.319	0	%100
21	M29	X	2.285	2.285	0	%100
22	M29	Z	-1.319	-1.319	0	%100
23	M30	X	2.285	2.285	0	%100
24	M30	Z	-1.319	-1.319	0	%100
25	M35	X	2.285	2.285	0	%100
26	M35	Z	-1.319	-1.319	0	%100
27	M36	X	2.285	2.285	0	%100
28	M36	Z	-1.319	-1.319	0	%100
29	M37	X	2.285	2.285	0	%100
30	M37	Z	-1.319	-1.319	0	%100
31	M38	X	2.285	2.285	0	%100
32	M38	Z	-1.319	-1.319	0	%100
33	M39	X	.771	.771	0	%100
34	M39	Z	-.445	-.445	0	%100
35	M40	X	.771	.771	0	%100
36	M40	Z	-.445	-.445	0	%100
37	MP4A	X	1.953	1.953	0	%100
38	MP4A	Z	-1.128	-1.128	0	%100
39	MP3A	X	1.953	1.953	0	%100
40	MP3A	Z	-1.128	-1.128	0	%100
41	MP1A	X	1.953	1.953	0	%100
42	MP1A	Z	-1.128	-1.128	0	%100
43	MP2A	X	1.953	1.953	0	%100
44	MP2A	Z	-1.128	-1.128	0	%100
45	M46	X	1.207	1.207	0	%100
46	M46	Z	-.697	-.697	0	%100
47	M47	X	1.692	1.692	0	%100
48	M47	Z	-.977	-.977	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	RCP	X	1.776	1.776	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	1.776	1.776	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	1.225	1.225	0	%100
10	M19	Z	0	0	0	%100
11	M22	X	2.347	2.347	0	%100
12	M22	Z	0	0	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M26	Z	0	0	0	%100
17	M27	X	3.518	3.518	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	3.518	3.518	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	3.518	3.518	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	3.518	3.518	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	3.518	3.518	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	3.518	3.518	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	3.518	3.518	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	3.518	3.518	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	0	0	0	%100
37	MP4A	X	2.255	2.255	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	2.255	2.255	0	%100
40	MP3A	Z	0	0	0	%100
41	MP1A	X	2.255	2.255	0	%100
42	MP1A	Z	0	0	0	%100
43	MP2A	X	2.255	2.255	0	%100
44	MP2A	Z	0	0	0	%100
45	M46	X	.39	.39	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	1.153	1.153	0	%100
48	M47	Z	0	0	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.488	.488	0	%100
2	M1	Z	.282	.282	0	%100
3	M2	X	.488	.488	0	%100
4	M2	Z	.282	.282	0	%100
5	RCP	X	1.154	1.154	0	%100
6	RCP	Z	.666	.666	0	%100
7	M18	X	1.154	1.154	0	%100
8	M18	Z	.666	.666	0	%100
9	M19	X	1.061	1.061	0	%100
10	M19	Z	.613	.613	0	%100
11	M22	X	2.033	2.033	0	%100
12	M22	Z	1.174	1.174	0	%100
13	M25	X	.769	.769	0	%100
14	M25	Z	.444	.444	0	%100
15	M26	X	.769	.769	0	%100
16	M26	Z	.444	.444	0	%100
17	M27	X	2.285	2.285	0	%100
18	M27	Z	1.319	1.319	0	%100
19	M28	X	2.285	2.285	0	%100
20	M28	Z	1.319	1.319	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M29	X	2.285	2.285	0	%100
22	M29	Z	1.319	1.319	0	%100
23	M30	X	2.285	2.285	0	%100
24	M30	Z	1.319	1.319	0	%100
25	M35	X	2.285	2.285	0	%100
26	M35	Z	1.319	1.319	0	%100
27	M36	X	2.285	2.285	0	%100
28	M36	Z	1.319	1.319	0	%100
29	M37	X	2.285	2.285	0	%100
30	M37	Z	1.319	1.319	0	%100
31	M38	X	2.285	2.285	0	%100
32	M38	Z	1.319	1.319	0	%100
33	M39	X	.771	.771	0	%100
34	M39	Z	.445	.445	0	%100
35	M40	X	.771	.771	0	%100
36	M40	Z	.445	.445	0	%100
37	MP4A	X	1.953	1.953	0	%100
38	MP4A	Z	1.128	1.128	0	%100
39	MP3A	X	1.953	1.953	0	%100
40	MP3A	Z	1.128	1.128	0	%100
41	MP1A	X	1.953	1.953	0	%100
42	MP1A	Z	1.128	1.128	0	%100
43	MP2A	X	1.953	1.953	0	%100
44	MP2A	Z	1.128	1.128	0	%100
45	M46	X	.009	.009	0	%100
46	M46	Z	.005	.005	0	%100
47	M47	X	.185	.185	0	%100
48	M47	Z	.107	.107	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.846	.846	0	%100
2	M1	Z	1.465	1.465	0	%100
3	M2	X	.846	.846	0	%100
4	M2	Z	1.465	1.465	0	%100
5	RCP	X	.222	.222	0	%100
6	RCP	Z	.385	.385	0	%100
7	M18	X	.222	.222	0	%100
8	M18	Z	.385	.385	0	%100
9	M19	X	.613	.613	0	%100
10	M19	Z	1.061	1.061	0	%100
11	M22	X	1.174	1.174	0	%100
12	M22	Z	2.033	2.033	0	%100
13	M25	X	1.332	1.332	0	%100
14	M25	Z	2.308	2.308	0	%100
15	M26	X	1.332	1.332	0	%100
16	M26	Z	2.308	2.308	0	%100
17	M27	X	.44	.44	0	%100
18	M27	Z	.762	.762	0	%100
19	M28	X	.44	.44	0	%100
20	M28	Z	.762	.762	0	%100
21	M29	X	.44	.44	0	%100
22	M29	Z	.762	.762	0	%100
23	M30	X	.44	.44	0	%100
24	M30	Z	.762	.762	0	%100
25	M35	X	.44	.44	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M35	Z	.762	.762	0	%100
27	M36	X	.44	.44	0	%100
28	M36	Z	.762	.762	0	%100
29	M37	X	.44	.44	0	%100
30	M37	Z	.762	.762	0	%100
31	M38	X	.44	.44	0	%100
32	M38	Z	.762	.762	0	%100
33	M39	X	1.336	1.336	0	%100
34	M39	Z	2.314	2.314	0	%100
35	M40	X	1.336	1.336	0	%100
36	M40	Z	2.314	2.314	0	%100
37	MP4A	X	1.128	1.128	0	%100
38	MP4A	Z	1.953	1.953	0	%100
39	MP3A	X	1.128	1.128	0	%100
40	MP3A	Z	1.953	1.953	0	%100
41	MP1A	X	1.128	1.128	0	%100
42	MP1A	Z	1.953	1.953	0	%100
43	MP2A	X	1.128	1.128	0	%100
44	MP2A	Z	1.953	1.953	0	%100
45	M46	X	.317	.317	0	%100
46	M46	Z	.55	.55	0	%100
47	M47	X	.037	.037	0	%100
48	M47	Z	.065	.065	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	2.255	2.255	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.255	2.255	0	%100
5	RCP	X	0	0	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	1.225	1.225	0	%100
11	M22	X	0	0	0	%100
12	M22	Z	2.347	2.347	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	3.553	3.553	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	3.553	3.553	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	3.562	3.562	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	3.562	3.562	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	2.255	2.255	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	2.255	2.255	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	2.255	2.255	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	2.255	2.255	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	1.639	1.639	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	.876	.876	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.846	-.846	0	%100
2	M1	Z	1.465	1.465	0	%100
3	M2	X	-.846	-.846	0	%100
4	M2	Z	1.465	1.465	0	%100
5	RCP	X	-.222	-.222	0	%100
6	RCP	Z	.385	.385	0	%100
7	M18	X	-.222	-.222	0	%100
8	M18	Z	.385	.385	0	%100
9	M19	X	-.613	-.613	0	%100
10	M19	Z	1.061	1.061	0	%100
11	M22	X	-1.174	-1.174	0	%100
12	M22	Z	2.033	2.033	0	%100
13	M25	X	-1.332	-1.332	0	%100
14	M25	Z	2.308	2.308	0	%100
15	M26	X	-1.332	-1.332	0	%100
16	M26	Z	2.308	2.308	0	%100
17	M27	X	-.44	-.44	0	%100
18	M27	Z	.762	.762	0	%100
19	M28	X	-.44	-.44	0	%100
20	M28	Z	.762	.762	0	%100
21	M29	X	-.44	-.44	0	%100
22	M29	Z	.762	.762	0	%100
23	M30	X	-.44	-.44	0	%100
24	M30	Z	.762	.762	0	%100
25	M35	X	-.44	-.44	0	%100
26	M35	Z	.762	.762	0	%100
27	M36	X	-.44	-.44	0	%100
28	M36	Z	.762	.762	0	%100
29	M37	X	-.44	-.44	0	%100
30	M37	Z	.762	.762	0	%100
31	M38	X	-.44	-.44	0	%100
32	M38	Z	.762	.762	0	%100
33	M39	X	-1.336	-1.336	0	%100
34	M39	Z	2.314	2.314	0	%100
35	M40	X	-1.336	-1.336	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	M40	Z	2.314	2.314	0	%100
37	MP4A	X	-1.128	-1.128	0	%100
38	MP4A	Z	1.953	1.953	0	%100
39	MP3A	X	-1.128	-1.128	0	%100
40	MP3A	Z	1.953	1.953	0	%100
41	MP1A	X	-1.128	-1.128	0	%100
42	MP1A	Z	1.953	1.953	0	%100
43	MP2A	X	-1.128	-1.128	0	%100
44	MP2A	Z	1.953	1.953	0	%100
45	M46	X	-1.009	-1.009	0	%100
46	M46	Z	1.748	1.748	0	%100
47	M47	X	-.908	-.908	0	%100
48	M47	Z	1.572	1.572	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.488	-.488	0	%100
2	M1	Z	.282	.282	0	%100
3	M2	X	-.488	-.488	0	%100
4	M2	Z	.282	.282	0	%100
5	RCP	X	-1.154	-1.154	0	%100
6	RCP	Z	.666	.666	0	%100
7	M18	X	-1.154	-1.154	0	%100
8	M18	Z	.666	.666	0	%100
9	M19	X	-1.061	-1.061	0	%100
10	M19	Z	.613	.613	0	%100
11	M22	X	-2.033	-2.033	0	%100
12	M22	Z	1.174	1.174	0	%100
13	M25	X	-.769	-.769	0	%100
14	M25	Z	.444	.444	0	%100
15	M26	X	-.769	-.769	0	%100
16	M26	Z	.444	.444	0	%100
17	M27	X	-2.285	-2.285	0	%100
18	M27	Z	1.319	1.319	0	%100
19	M28	X	-2.285	-2.285	0	%100
20	M28	Z	1.319	1.319	0	%100
21	M29	X	-2.285	-2.285	0	%100
22	M29	Z	1.319	1.319	0	%100
23	M30	X	-2.285	-2.285	0	%100
24	M30	Z	1.319	1.319	0	%100
25	M35	X	-2.285	-2.285	0	%100
26	M35	Z	1.319	1.319	0	%100
27	M36	X	-2.285	-2.285	0	%100
28	M36	Z	1.319	1.319	0	%100
29	M37	X	-2.285	-2.285	0	%100
30	M37	Z	1.319	1.319	0	%100
31	M38	X	-2.285	-2.285	0	%100
32	M38	Z	1.319	1.319	0	%100
33	M39	X	-.771	-.771	0	%100
34	M39	Z	.445	.445	0	%100
35	M40	X	-.771	-.771	0	%100
36	M40	Z	.445	.445	0	%100
37	MP4A	X	-1.953	-1.953	0	%100
38	MP4A	Z	1.128	1.128	0	%100
39	MP3A	X	-1.953	-1.953	0	%100
40	MP3A	Z	1.128	1.128	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP1A	X	-1.953	-1.953	0	%100
42	MP1A	Z	1.128	1.128	0	%100
43	MP2A	X	-1.953	-1.953	0	%100
44	MP2A	Z	1.128	1.128	0	%100
45	M46	X	-1.207	-1.207	0	%100
46	M46	Z	.697	.697	0	%100
47	M47	X	-1.692	-1.692	0	%100
48	M47	Z	.977	.977	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	RCP	X	-1.776	-1.776	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	-1.776	-1.776	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	-1.225	-1.225	0	%100
10	M19	Z	0	0	0	%100
11	M22	X	-2.347	-2.347	0	%100
12	M22	Z	0	0	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	-3.518	-3.518	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	-3.518	-3.518	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	-3.518	-3.518	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	-3.518	-3.518	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	-3.518	-3.518	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	-3.518	-3.518	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	-3.518	-3.518	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	-3.518	-3.518	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	0	0	0	%100
37	MP4A	X	-2.255	-2.255	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-2.255	-2.255	0	%100
40	MP3A	Z	0	0	0	%100
41	MP1A	X	-2.255	-2.255	0	%100
42	MP1A	Z	0	0	0	%100
43	MP2A	X	-2.255	-2.255	0	%100
44	MP2A	Z	0	0	0	%100
45	M46	X	-.39	-.39	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M46	Z	0	0	0	%100
47	M47	X	-1.153	-1.153	0	%100
48	M47	Z	0	0	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.488	-.488	0	%100
2	M1	Z	-.282	-.282	0	%100
3	M2	X	-.488	-.488	0	%100
4	M2	Z	-.282	-.282	0	%100
5	RCP	X	-1.154	-1.154	0	%100
6	RCP	Z	-.666	-.666	0	%100
7	M18	X	-1.154	-1.154	0	%100
8	M18	Z	-.666	-.666	0	%100
9	M19	X	-1.061	-1.061	0	%100
10	M19	Z	-.613	-.613	0	%100
11	M22	X	-2.033	-2.033	0	%100
12	M22	Z	-1.174	-1.174	0	%100
13	M25	X	-.769	-.769	0	%100
14	M25	Z	-.444	-.444	0	%100
15	M26	X	-.769	-.769	0	%100
16	M26	Z	-.444	-.444	0	%100
17	M27	X	-2.285	-2.285	0	%100
18	M27	Z	-1.319	-1.319	0	%100
19	M28	X	-2.285	-2.285	0	%100
20	M28	Z	-1.319	-1.319	0	%100
21	M29	X	-2.285	-2.285	0	%100
22	M29	Z	-1.319	-1.319	0	%100
23	M30	X	-2.285	-2.285	0	%100
24	M30	Z	-1.319	-1.319	0	%100
25	M35	X	-2.285	-2.285	0	%100
26	M35	Z	-1.319	-1.319	0	%100
27	M36	X	-2.285	-2.285	0	%100
28	M36	Z	-1.319	-1.319	0	%100
29	M37	X	-2.285	-2.285	0	%100
30	M37	Z	-1.319	-1.319	0	%100
31	M38	X	-2.285	-2.285	0	%100
32	M38	Z	-1.319	-1.319	0	%100
33	M39	X	-.771	-.771	0	%100
34	M39	Z	-.445	-.445	0	%100
35	M40	X	-.771	-.771	0	%100
36	M40	Z	-.445	-.445	0	%100
37	MP4A	X	-1.953	-1.953	0	%100
38	MP4A	Z	-1.128	-1.128	0	%100
39	MP3A	X	-1.953	-1.953	0	%100
40	MP3A	Z	-1.128	-1.128	0	%100
41	MP1A	X	-1.953	-1.953	0	%100
42	MP1A	Z	-1.128	-1.128	0	%100
43	MP2A	X	-1.953	-1.953	0	%100
44	MP2A	Z	-1.128	-1.128	0	%100
45	M46	X	-.009	-.009	0	%100
46	M46	Z	-.005	-.005	0	%100
47	M47	X	-.185	-.185	0	%100
48	M47	Z	-.107	-.107	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.846	-.846	0	%100
2	M1	Z	-1.465	-1.465	0	%100
3	M2	X	-.846	-.846	0	%100
4	M2	Z	-1.465	-1.465	0	%100
5	RCP	X	-.222	-.222	0	%100
6	RCP	Z	-.385	-.385	0	%100
7	M18	X	-.222	-.222	0	%100
8	M18	Z	-.385	-.385	0	%100
9	M19	X	-.613	-.613	0	%100
10	M19	Z	-1.061	-1.061	0	%100
11	M22	X	-1.174	-1.174	0	%100
12	M22	Z	-2.033	-2.033	0	%100
13	M25	X	-1.332	-1.332	0	%100
14	M25	Z	-2.308	-2.308	0	%100
15	M26	X	-1.332	-1.332	0	%100
16	M26	Z	-2.308	-2.308	0	%100
17	M27	X	-.44	-.44	0	%100
18	M27	Z	-.762	-.762	0	%100
19	M28	X	-.44	-.44	0	%100
20	M28	Z	-.762	-.762	0	%100
21	M29	X	-.44	-.44	0	%100
22	M29	Z	-.762	-.762	0	%100
23	M30	X	-.44	-.44	0	%100
24	M30	Z	-.762	-.762	0	%100
25	M35	X	-.44	-.44	0	%100
26	M35	Z	-.762	-.762	0	%100
27	M36	X	-.44	-.44	0	%100
28	M36	Z	-.762	-.762	0	%100
29	M37	X	-.44	-.44	0	%100
30	M37	Z	-.762	-.762	0	%100
31	M38	X	-.44	-.44	0	%100
32	M38	Z	-.762	-.762	0	%100
33	M39	X	-1.336	-1.336	0	%100
34	M39	Z	-2.314	-2.314	0	%100
35	M40	X	-1.336	-1.336	0	%100
36	M40	Z	-2.314	-2.314	0	%100
37	MP4A	X	-1.128	-1.128	0	%100
38	MP4A	Z	-1.953	-1.953	0	%100
39	MP3A	X	-1.128	-1.128	0	%100
40	MP3A	Z	-1.953	-1.953	0	%100
41	MP1A	X	-1.128	-1.128	0	%100
42	MP1A	Z	-1.953	-1.953	0	%100
43	MP2A	X	-1.128	-1.128	0	%100
44	MP2A	Z	-1.953	-1.953	0	%100
45	M46	X	-.317	-.317	0	%100
46	M46	Z	-.55	-.55	0	%100
47	M47	X	-.037	-.037	0	%100
48	M47	Z	-.065	-.065	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.637	-.637	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.637	-.637	0	%100
5	RCP	X	0	0	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	RCP	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	-.201	-.201	0	%100
11	M22	X	0	0	0	%100
12	M22	Z	-.741	-.741	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	-1.61	-1.61	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	-1.61	-1.61	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	-1.61	-1.61	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	-1.61	-1.61	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-.637	-.637	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	-.637	-.637	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	-.637	-.637	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	-.637	-.637	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	-.412	-.412	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	-.22	-.22	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.239	.239	0	%100
2	M1	Z	-.414	-.414	0	%100
3	M2	X	.239	.239	0	%100
4	M2	Z	-.414	-.414	0	%100
5	RCP	X	.067	.067	0	%100
6	RCP	Z	-.116	-.116	0	%100
7	M18	X	.067	.067	0	%100
8	M18	Z	-.116	-.116	0	%100
9	M19	X	.101	.101	0	%100
10	M19	Z	-.174	-.174	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M22	X	.371	.371	0	%100
12	M22	Z	-.642	-.642	0	%100
13	M25	X	.604	.604	0	%100
14	M25	Z	-1.046	-1.046	0	%100
15	M26	X	.604	.604	0	%100
16	M26	Z	-1.046	-1.046	0	%100
17	M27	X	.201	.201	0	%100
18	M27	Z	-.349	-.349	0	%100
19	M28	X	.201	.201	0	%100
20	M28	Z	-.349	-.349	0	%100
21	M29	X	.201	.201	0	%100
22	M29	Z	-.349	-.349	0	%100
23	M30	X	.201	.201	0	%100
24	M30	Z	-.349	-.349	0	%100
25	M35	X	.201	.201	0	%100
26	M35	Z	-.349	-.349	0	%100
27	M36	X	.201	.201	0	%100
28	M36	Z	-.349	-.349	0	%100
29	M37	X	.201	.201	0	%100
30	M37	Z	-.349	-.349	0	%100
31	M38	X	.201	.201	0	%100
32	M38	Z	-.349	-.349	0	%100
33	M39	X	.604	.604	0	%100
34	M39	Z	-1.046	-1.046	0	%100
35	M40	X	.604	.604	0	%100
36	M40	Z	-1.046	-1.046	0	%100
37	MP4A	X	.319	.319	0	%100
38	MP4A	Z	-.552	-.552	0	%100
39	MP3A	X	.319	.319	0	%100
40	MP3A	Z	-.552	-.552	0	%100
41	MP1A	X	.319	.319	0	%100
42	MP1A	Z	-.552	-.552	0	%100
43	MP2A	X	.319	.319	0	%100
44	MP2A	Z	-.552	-.552	0	%100
45	M46	X	.254	.254	0	%100
46	M46	Z	-.439	-.439	0	%100
47	M47	X	.228	.228	0	%100
48	M47	Z	-.395	-.395	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.138	.138	0	%100
2	M1	Z	-.08	-.08	0	%100
3	M2	X	.138	.138	0	%100
4	M2	Z	-.08	-.08	0	%100
5	RCP	X	.348	.348	0	%100
6	RCP	Z	-.201	-.201	0	%100
7	M18	X	.348	.348	0	%100
8	M18	Z	-.201	-.201	0	%100
9	M19	X	.174	.174	0	%100
10	M19	Z	-.101	-.101	0	%100
11	M22	X	.642	.642	0	%100
12	M22	Z	-.371	-.371	0	%100
13	M25	X	.349	.349	0	%100
14	M25	Z	-.201	-.201	0	%100
15	M26	X	.349	.349	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M26	Z	-.201	-.201	0	%100
17	M27	X	1.046	1.046	0	%100
18	M27	Z	-.604	-.604	0	%100
19	M28	X	1.046	1.046	0	%100
20	M28	Z	-.604	-.604	0	%100
21	M29	X	1.046	1.046	0	%100
22	M29	Z	-.604	-.604	0	%100
23	M30	X	1.046	1.046	0	%100
24	M30	Z	-.604	-.604	0	%100
25	M35	X	1.046	1.046	0	%100
26	M35	Z	-.604	-.604	0	%100
27	M36	X	1.046	1.046	0	%100
28	M36	Z	-.604	-.604	0	%100
29	M37	X	1.046	1.046	0	%100
30	M37	Z	-.604	-.604	0	%100
31	M38	X	1.046	1.046	0	%100
32	M38	Z	-.604	-.604	0	%100
33	M39	X	.349	.349	0	%100
34	M39	Z	-.201	-.201	0	%100
35	M40	X	.349	.349	0	%100
36	M40	Z	-.201	-.201	0	%100
37	MP4A	X	.552	.552	0	%100
38	MP4A	Z	-.319	-.319	0	%100
39	MP3A	X	.552	.552	0	%100
40	MP3A	Z	-.319	-.319	0	%100
41	MP1A	X	.552	.552	0	%100
42	MP1A	Z	-.319	-.319	0	%100
43	MP2A	X	.552	.552	0	%100
44	MP2A	Z	-.319	-.319	0	%100
45	M46	X	.303	.303	0	%100
46	M46	Z	-.175	-.175	0	%100
47	M47	X	.425	.425	0	%100
48	M47	Z	-.245	-.245	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	RCP	X	.536	.536	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	.536	.536	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	.201	.201	0	%100
10	M19	Z	0	0	0	%100
11	M22	X	.741	.741	0	%100
12	M22	Z	0	0	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	1.61	1.61	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	1.61	1.61	0	%100
20	M28	Z	0	0	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M29	X	1.61	1.61	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	1.61	1.61	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	1.61	1.61	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	1.61	1.61	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	1.61	1.61	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	1.61	1.61	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	0	0	0	%100
37	MP4A	X	.637	.637	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	.637	.637	0	%100
40	MP3A	Z	0	0	0	%100
41	MP1A	X	.637	.637	0	%100
42	MP1A	Z	0	0	0	%100
43	MP2A	X	.637	.637	0	%100
44	MP2A	Z	0	0	0	%100
45	M46	X	.098	.098	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	.29	.29	0	%100
48	M47	Z	0	0	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.138	.138	0	%100
2	M1	Z	.08	.08	0	%100
3	M2	X	.138	.138	0	%100
4	M2	Z	.08	.08	0	%100
5	RCP	X	.348	.348	0	%100
6	RCP	Z	.201	.201	0	%100
7	M18	X	.348	.348	0	%100
8	M18	Z	.201	.201	0	%100
9	M19	X	.174	.174	0	%100
10	M19	Z	.101	.101	0	%100
11	M22	X	.642	.642	0	%100
12	M22	Z	.371	.371	0	%100
13	M25	X	.349	.349	0	%100
14	M25	Z	.201	.201	0	%100
15	M26	X	.349	.349	0	%100
16	M26	Z	.201	.201	0	%100
17	M27	X	1.046	1.046	0	%100
18	M27	Z	.604	.604	0	%100
19	M28	X	1.046	1.046	0	%100
20	M28	Z	.604	.604	0	%100
21	M29	X	1.046	1.046	0	%100
22	M29	Z	.604	.604	0	%100
23	M30	X	1.046	1.046	0	%100
24	M30	Z	.604	.604	0	%100
25	M35	X	1.046	1.046	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M35	Z	.604	.604	0	%100
27	M36	X	1.046	1.046	0	%100
28	M36	Z	.604	.604	0	%100
29	M37	X	1.046	1.046	0	%100
30	M37	Z	.604	.604	0	%100
31	M38	X	1.046	1.046	0	%100
32	M38	Z	.604	.604	0	%100
33	M39	X	.349	.349	0	%100
34	M39	Z	.201	.201	0	%100
35	M40	X	.349	.349	0	%100
36	M40	Z	.201	.201	0	%100
37	MP4A	X	.552	.552	0	%100
38	MP4A	Z	.319	.319	0	%100
39	MP3A	X	.552	.552	0	%100
40	MP3A	Z	.319	.319	0	%100
41	MP1A	X	.552	.552	0	%100
42	MP1A	Z	.319	.319	0	%100
43	MP2A	X	.552	.552	0	%100
44	MP2A	Z	.319	.319	0	%100
45	M46	X	.002	.002	0	%100
46	M46	Z	.001	.001	0	%100
47	M47	X	.046	.046	0	%100
48	M47	Z	.027	.027	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.239	.239	0	%100
2	M1	Z	.414	.414	0	%100
3	M2	X	.239	.239	0	%100
4	M2	Z	.414	.414	0	%100
5	RCP	X	.067	.067	0	%100
6	RCP	Z	.116	.116	0	%100
7	M18	X	.067	.067	0	%100
8	M18	Z	.116	.116	0	%100
9	M19	X	.101	.101	0	%100
10	M19	Z	.174	.174	0	%100
11	M22	X	.371	.371	0	%100
12	M22	Z	.642	.642	0	%100
13	M25	X	.604	.604	0	%100
14	M25	Z	1.046	1.046	0	%100
15	M26	X	.604	.604	0	%100
16	M26	Z	1.046	1.046	0	%100
17	M27	X	.201	.201	0	%100
18	M27	Z	.349	.349	0	%100
19	M28	X	.201	.201	0	%100
20	M28	Z	.349	.349	0	%100
21	M29	X	.201	.201	0	%100
22	M29	Z	.349	.349	0	%100
23	M30	X	.201	.201	0	%100
24	M30	Z	.349	.349	0	%100
25	M35	X	.201	.201	0	%100
26	M35	Z	.349	.349	0	%100
27	M36	X	.201	.201	0	%100
28	M36	Z	.349	.349	0	%100
29	M37	X	.201	.201	0	%100
30	M37	Z	.349	.349	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M38	X	.201	.201	0	%100
32	M38	Z	.349	.349	0	%100
33	M39	X	.604	.604	0	%100
34	M39	Z	1.046	1.046	0	%100
35	M40	X	.604	.604	0	%100
36	M40	Z	1.046	1.046	0	%100
37	MP4A	X	.319	.319	0	%100
38	MP4A	Z	.552	.552	0	%100
39	MP3A	X	.319	.319	0	%100
40	MP3A	Z	.552	.552	0	%100
41	MP1A	X	.319	.319	0	%100
42	MP1A	Z	.552	.552	0	%100
43	MP2A	X	.319	.319	0	%100
44	MP2A	Z	.552	.552	0	%100
45	M46	X	.08	.08	0	%100
46	M46	Z	.138	.138	0	%100
47	M47	X	.009	.009	0	%100
48	M47	Z	.016	.016	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.637	.637	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.637	.637	0	%100
5	RCP	X	0	0	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	0	0	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	0	0	0	%100
10	M19	Z	.201	.201	0	%100
11	M22	X	0	0	0	%100
12	M22	Z	.741	.741	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	1.61	1.61	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	1.61	1.61	0	%100
17	M27	X	0	0	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	0	0	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	0	0	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	0	0	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	0	0	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	0	0	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	0	0	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	0	0	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	1.61	1.61	0	%100
35	M40	X	0	0	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	M40	Z	1.61	1.61	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.637	.637	0	%100
39	MP3A	X	0	0	0	%100
40	MP3A	Z	.637	.637	0	%100
41	MP1A	X	0	0	0	%100
42	MP1A	Z	.637	.637	0	%100
43	MP2A	X	0	0	0	%100
44	MP2A	Z	.637	.637	0	%100
45	M46	X	0	0	0	%100
46	M46	Z	.412	.412	0	%100
47	M47	X	0	0	0	%100
48	M47	Z	.22	.22	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.239	-.239	0	%100
2	M1	Z	.414	.414	0	%100
3	M2	X	-.239	-.239	0	%100
4	M2	Z	.414	.414	0	%100
5	RCP	X	-.067	-.067	0	%100
6	RCP	Z	.116	.116	0	%100
7	M18	X	-.067	-.067	0	%100
8	M18	Z	.116	.116	0	%100
9	M19	X	-.101	-.101	0	%100
10	M19	Z	.174	.174	0	%100
11	M22	X	-.371	-.371	0	%100
12	M22	Z	.642	.642	0	%100
13	M25	X	-.604	-.604	0	%100
14	M25	Z	1.046	1.046	0	%100
15	M26	X	-.604	-.604	0	%100
16	M26	Z	1.046	1.046	0	%100
17	M27	X	-.201	-.201	0	%100
18	M27	Z	.349	.349	0	%100
19	M28	X	-.201	-.201	0	%100
20	M28	Z	.349	.349	0	%100
21	M29	X	-.201	-.201	0	%100
22	M29	Z	.349	.349	0	%100
23	M30	X	-.201	-.201	0	%100
24	M30	Z	.349	.349	0	%100
25	M35	X	-.201	-.201	0	%100
26	M35	Z	.349	.349	0	%100
27	M36	X	-.201	-.201	0	%100
28	M36	Z	.349	.349	0	%100
29	M37	X	-.201	-.201	0	%100
30	M37	Z	.349	.349	0	%100
31	M38	X	-.201	-.201	0	%100
32	M38	Z	.349	.349	0	%100
33	M39	X	-.604	-.604	0	%100
34	M39	Z	1.046	1.046	0	%100
35	M40	X	-.604	-.604	0	%100
36	M40	Z	1.046	1.046	0	%100
37	MP4A	X	-.319	-.319	0	%100
38	MP4A	Z	.552	.552	0	%100
39	MP3A	X	-.319	-.319	0	%100
40	MP3A	Z	.552	.552	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP1A	X	-.319	-.319	0	%100
42	MP1A	Z	.552	.552	0	%100
43	MP2A	X	-.319	-.319	0	%100
44	MP2A	Z	.552	.552	0	%100
45	M46	X	-.254	-.254	0	%100
46	M46	Z	.439	.439	0	%100
47	M47	X	-.228	-.228	0	%100
48	M47	Z	.395	.395	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.138	-.138	0	%100
2	M1	Z	.08	.08	0	%100
3	M2	X	-.138	-.138	0	%100
4	M2	Z	.08	.08	0	%100
5	RCP	X	-.348	-.348	0	%100
6	RCP	Z	.201	.201	0	%100
7	M18	X	-.348	-.348	0	%100
8	M18	Z	.201	.201	0	%100
9	M19	X	-.174	-.174	0	%100
10	M19	Z	.101	.101	0	%100
11	M22	X	-.642	-.642	0	%100
12	M22	Z	.371	.371	0	%100
13	M25	X	-.349	-.349	0	%100
14	M25	Z	.201	.201	0	%100
15	M26	X	-.349	-.349	0	%100
16	M26	Z	.201	.201	0	%100
17	M27	X	-1.046	-1.046	0	%100
18	M27	Z	.604	.604	0	%100
19	M28	X	-1.046	-1.046	0	%100
20	M28	Z	.604	.604	0	%100
21	M29	X	-1.046	-1.046	0	%100
22	M29	Z	.604	.604	0	%100
23	M30	X	-1.046	-1.046	0	%100
24	M30	Z	.604	.604	0	%100
25	M35	X	-1.046	-1.046	0	%100
26	M35	Z	.604	.604	0	%100
27	M36	X	-1.046	-1.046	0	%100
28	M36	Z	.604	.604	0	%100
29	M37	X	-1.046	-1.046	0	%100
30	M37	Z	.604	.604	0	%100
31	M38	X	-1.046	-1.046	0	%100
32	M38	Z	.604	.604	0	%100
33	M39	X	-.349	-.349	0	%100
34	M39	Z	.201	.201	0	%100
35	M40	X	-.349	-.349	0	%100
36	M40	Z	.201	.201	0	%100
37	MP4A	X	-.552	-.552	0	%100
38	MP4A	Z	.319	.319	0	%100
39	MP3A	X	-.552	-.552	0	%100
40	MP3A	Z	.319	.319	0	%100
41	MP1A	X	-.552	-.552	0	%100
42	MP1A	Z	.319	.319	0	%100
43	MP2A	X	-.552	-.552	0	%100
44	MP2A	Z	.319	.319	0	%100
45	M46	X	-.303	-.303	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M46	Z	.175	.175	0	%100
47	M47	X	-.425	-.425	0	%100
48	M47	Z	.245	.245	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	RCP	X	-.536	-.536	0	%100
6	RCP	Z	0	0	0	%100
7	M18	X	-.536	-.536	0	%100
8	M18	Z	0	0	0	%100
9	M19	X	-.201	-.201	0	%100
10	M19	Z	0	0	0	%100
11	M22	X	-.741	-.741	0	%100
12	M22	Z	0	0	0	%100
13	M25	X	0	0	0	%100
14	M25	Z	0	0	0	%100
15	M26	X	0	0	0	%100
16	M26	Z	0	0	0	%100
17	M27	X	-1.61	-1.61	0	%100
18	M27	Z	0	0	0	%100
19	M28	X	-1.61	-1.61	0	%100
20	M28	Z	0	0	0	%100
21	M29	X	-1.61	-1.61	0	%100
22	M29	Z	0	0	0	%100
23	M30	X	-1.61	-1.61	0	%100
24	M30	Z	0	0	0	%100
25	M35	X	-1.61	-1.61	0	%100
26	M35	Z	0	0	0	%100
27	M36	X	-1.61	-1.61	0	%100
28	M36	Z	0	0	0	%100
29	M37	X	-1.61	-1.61	0	%100
30	M37	Z	0	0	0	%100
31	M38	X	-1.61	-1.61	0	%100
32	M38	Z	0	0	0	%100
33	M39	X	0	0	0	%100
34	M39	Z	0	0	0	%100
35	M40	X	0	0	0	%100
36	M40	Z	0	0	0	%100
37	MP4A	X	-.637	-.637	0	%100
38	MP4A	Z	0	0	0	%100
39	MP3A	X	-.637	-.637	0	%100
40	MP3A	Z	0	0	0	%100
41	MP1A	X	-.637	-.637	0	%100
42	MP1A	Z	0	0	0	%100
43	MP2A	X	-.637	-.637	0	%100
44	MP2A	Z	0	0	0	%100
45	M46	X	-.098	-.098	0	%100
46	M46	Z	0	0	0	%100
47	M47	X	-.29	-.29	0	%100
48	M47	Z	0	0	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.138	-.138	0	%100
2	M1	Z	-.08	-.08	0	%100
3	M2	X	-.138	-.138	0	%100
4	M2	Z	-.08	-.08	0	%100
5	RCP	X	-.348	-.348	0	%100
6	RCP	Z	-.201	-.201	0	%100
7	M18	X	-.348	-.348	0	%100
8	M18	Z	-.201	-.201	0	%100
9	M19	X	-.174	-.174	0	%100
10	M19	Z	-.101	-.101	0	%100
11	M22	X	-.642	-.642	0	%100
12	M22	Z	-.371	-.371	0	%100
13	M25	X	-.349	-.349	0	%100
14	M25	Z	-.201	-.201	0	%100
15	M26	X	-.349	-.349	0	%100
16	M26	Z	-.201	-.201	0	%100
17	M27	X	-1.046	-1.046	0	%100
18	M27	Z	-.604	-.604	0	%100
19	M28	X	-1.046	-1.046	0	%100
20	M28	Z	-.604	-.604	0	%100
21	M29	X	-1.046	-1.046	0	%100
22	M29	Z	-.604	-.604	0	%100
23	M30	X	-1.046	-1.046	0	%100
24	M30	Z	-.604	-.604	0	%100
25	M35	X	-1.046	-1.046	0	%100
26	M35	Z	-.604	-.604	0	%100
27	M36	X	-1.046	-1.046	0	%100
28	M36	Z	-.604	-.604	0	%100
29	M37	X	-1.046	-1.046	0	%100
30	M37	Z	-.604	-.604	0	%100
31	M38	X	-1.046	-1.046	0	%100
32	M38	Z	-.604	-.604	0	%100
33	M39	X	-.349	-.349	0	%100
34	M39	Z	-.201	-.201	0	%100
35	M40	X	-.349	-.349	0	%100
36	M40	Z	-.201	-.201	0	%100
37	MP4A	X	-.552	-.552	0	%100
38	MP4A	Z	-.319	-.319	0	%100
39	MP3A	X	-.552	-.552	0	%100
40	MP3A	Z	-.319	-.319	0	%100
41	MP1A	X	-.552	-.552	0	%100
42	MP1A	Z	-.319	-.319	0	%100
43	MP2A	X	-.552	-.552	0	%100
44	MP2A	Z	-.319	-.319	0	%100
45	M46	X	-.002	-.002	0	%100
46	M46	Z	-.001	-.001	0	%100
47	M47	X	-.046	-.046	0	%100
48	M47	Z	-.027	-.027	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.239	-.239	0	%100
2	M1	Z	-.414	-.414	0	%100
3	M2	X	-.239	-.239	0	%100
4	M2	Z	-.414	-.414	0	%100
5	RCP	X	-.067	-.067	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
6	RCP	Z	-.116	-.116	0	%100
7	M18	X	-.067	-.067	0	%100
8	M18	Z	-.116	-.116	0	%100
9	M19	X	-.101	-.101	0	%100
10	M19	Z	-.174	-.174	0	%100
11	M22	X	-.371	-.371	0	%100
12	M22	Z	-.642	-.642	0	%100
13	M25	X	-.604	-.604	0	%100
14	M25	Z	-1.046	-1.046	0	%100
15	M26	X	-.604	-.604	0	%100
16	M26	Z	-1.046	-1.046	0	%100
17	M27	X	-.201	-.201	0	%100
18	M27	Z	-.349	-.349	0	%100
19	M28	X	-.201	-.201	0	%100
20	M28	Z	-.349	-.349	0	%100
21	M29	X	-.201	-.201	0	%100
22	M29	Z	-.349	-.349	0	%100
23	M30	X	-.201	-.201	0	%100
24	M30	Z	-.349	-.349	0	%100
25	M35	X	-.201	-.201	0	%100
26	M35	Z	-.349	-.349	0	%100
27	M36	X	-.201	-.201	0	%100
28	M36	Z	-.349	-.349	0	%100
29	M37	X	-.201	-.201	0	%100
30	M37	Z	-.349	-.349	0	%100
31	M38	X	-.201	-.201	0	%100
32	M38	Z	-.349	-.349	0	%100
33	M39	X	-.604	-.604	0	%100
34	M39	Z	-1.046	-1.046	0	%100
35	M40	X	-.604	-.604	0	%100
36	M40	Z	-1.046	-1.046	0	%100
37	MP4A	X	-.319	-.319	0	%100
38	MP4A	Z	-.552	-.552	0	%100
39	MP3A	X	-.319	-.319	0	%100
40	MP3A	Z	-.552	-.552	0	%100
41	MP1A	X	-.319	-.319	0	%100
42	MP1A	Z	-.552	-.552	0	%100
43	MP2A	X	-.319	-.319	0	%100
44	MP2A	Z	-.552	-.552	0	%100
45	M46	X	-.08	-.08	0	%100
46	M46	Z	-.138	-.138	0	%100
47	M47	X	-.009	-.009	0	%100
48	M47	Z	-.016	-.016	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N71	max	576.514	9	919.193	19	-75.713	1	-.11	65	0	75	.479	49
2		min	-649.062	3	300.542	65	-1549.199	19	-.335	20	0	1	-.195	44
3	N72	max	601.24	49	941.887	13	1638.473	13	-.116	71	0	75	.421	49
4		min	-243.643	39	313.051	71	-77.037	7	-.351	13	0	1	-.177	44

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
5	N87	max	308.348	1	71.42	20	434.12	2	0	75	0	75	0	75
6		min	-328.974	7	20.888	64	-469.712	8	0	1	0	1	0	1
7	N86	max	544.98	9	28.106	16	265.034	10	0	75	0	75	0	75
8		min	-589.376	3	8.133	73	-267.652	4	0	1	0	1	0	1
9	Totals:	max	1262.31	9	1946.454	14	1724.195	1						
10		min	-1262.31	3	645.422	70	-1724.148	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [...	phi*Pnt [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M1	PIPE_2.0	.847	6.833	8	.137	6.833		49	5266.471	32130	1.872	1.872	1...	H1-1b
2	M2	PIPE_2.0	.758	6.833	8	.145	12.812		7	5266.471	32130	1.872	1.872	1...	H1-1b
3	RCP	HSS2.5X2.5...	.423	2.083	32	.190	.521	z	49	60770.458	63756	4.554	4.554	1...	H1-1b
4	M18	HSS2.5X2.5...	.456	2.083	14	.186	.521	z	49	60770.458	63756	4.554	4.554	1...	H1-1b
5	M19	SR 0.75	.027	2.5	1	.080	0		49	7395.536	14313.866	.179	.179	1	H1-1b*
6	M22	PIPE_3.0	.323	.708	49	.314	3.208		49	59852.693	65205	5.749	5.749	3...	H3-6
7	M25	PL3/8x6	.581	.417	8	.375	.833	y	49	46518.633	72900	.57	9.113	1...	H1-1b
8	M26	PL3/8x6	.619	.417	49	.363	.833	y	49	46518.633	72900	.57	9.113	1...	H1-1b
9	M27	PL3/8x6	.220	0	15	.215	0	y	49	62014.225	72900	.57	9.113	3.1	H1-1b
10	M28	PL3/8x6	.237	0	8	.261	.25	y	49	62014.225	72900	.57	9.113	3...	H1-1b
11	M29	PL3/8x6	.239	0	49	.188	.25	y	49	62014.225	72900	.57	9.113	2...	H1-1b
12	M30	PL3/8x6	.207	0	38	.236	.25	y	49	62014.225	72900	.57	9.113	3...	H1-1b
13	M35	PL3/8x6	.259	.5	38	.189	.5	y	49	62014.225	72900	.57	9.113	2...	H1-1b
14	M36	PL3/8x6	.324	.5	49	.179	.5	y	49	62014.225	72900	.57	9.113	2...	H1-1b
15	M37	PL3/8x6	.306	.5	8	.210	.208	y	49	62014.225	72900	.57	9.113	2...	H1-1b
16	M38	PL3/8x6	.294	.5	49	.201	.5	y	49	62014.225	72900	.57	9.113	2...	H1-1b
17	M39	PL3/8x6	.462	.458	19	.440	.458	y	49	42330.736	72900	.57	9.113	1...	H1-1b
18	M40	PL3/8x6	.495	.458	13	.426	.458	y	49	42330.736	72900	.57	9.113	1...	H1-1b
19	MP4A	PIPE_2.0	.157	2.75	3	.108	3		9	20866.733	32130	1.872	1.872	2...	H1-1b
20	MP3A	PIPE_2.0	.271	1	38	.090	3.5		2	20866.733	32130	1.872	1.872	1...	H1-1b
21	MP1A	PIPE_2.0	.360	3.5	49	.124	1		8	20866.733	32130	1.872	1.872	1...	H1-1b
22	MP2A	PIPE_2.0	.346	3.792	24	.156	3.792		8	17855.085	32130	1.872	1.872	1...	H1-1b
23	M46	PIPE_1.5	.073	3.708	8	.004	0		8	8356.557	23593.5	1.105	1.105	1...	H1-1b
24	M47	PIPE_1.5	.649	9.677	2	.010	0		21	1278.753	23593.5	1.105	1.105	1...	H1-1a

VzW SMART Tool© Vendor

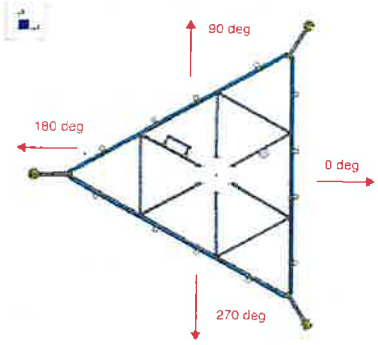
Client:	Verizon Wireless	Date:	8/10/2023
Site Name:	NORTH CANAAN CT		
MDG #:	5000246824		
Fuze ID #:	17123771	Page:	1

Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required — Yes

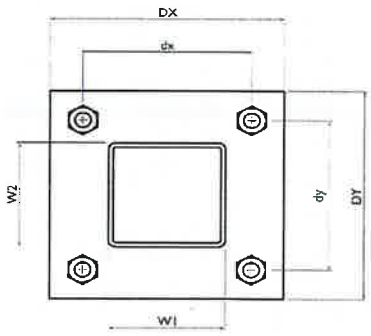
Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N71	0
N72	0



Tower Connection Bolt Checks — Yes

Bolt Orientation — Parallel

Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)*:	5
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	4
Bolt Type:	A307
Bolt Diameter (in):	0.5
Required Tensile Strength / bolt (kips):	0.6
Required Shear Strength / bolt (kips):	0.7
Tensile Capacity / bolt (kips):	6.6
Shear Capacity / bolt (kips):	4.0
Bolt Overall Utilization:	16.4%



Tower Connection Baseplate Checks — No

ATTACHMENT 4


16/049-0
16/018-0
US Hwy 7
15/094-0
15/004-0
16/001-0
16/017-
15/107-1
15/102-0
15/089-0
15/109-0
15/107-0
15/108-0
S Canaan Rd
08/017-1
15/086-0
15/086-2
08/017-3
08/014-0
Grace Way
843033

Summary

ParcelId	15/086-2
Location Address	36 LOWER RD
Map-Block-Lot	15/086-2
Use Class/Description	Storage Building
Assessing Neighborhood	7 Commercial
Survey	
Acreage	6.37

Owner

Current Owner
LITCHFIELD COUNTY
DISPATCH INC
452 BANTAM RD
LITCHFIELD, CT 06759

Land

Use	Class	Land Type	Zoning	Area	Value
Storage Building	C	Commercial Excess	1	5.68	$19,310
Storage Building	C	Primary Site	1	0.69	$86,250

Commercial Building

Building #	1
Style	
Actual Year Built	1999
Effective Year Built	2007
Living Area	1804
Stories	1
Grade	
Exterior Wall	
Interior Wall	
Roof Cover	
Roof Structure	
Floor Type	Concrete

ATTACHMENT 5

Verizon/North Canaan

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Brian Ohler, First Selectman Town of North Canaan 100 Pease Street North Canaan, CT 06018				
2.	George Martin, Zoning Enforcement Officer Town of North Canaan 100 Pease Street North Canaan, CT 06018				
3.	Litchfield County Dispatch 452 Bantam Road Litchfield, CT 06759				
4.					
5.					
6.					

See Reverse for Instructions