ROBINSON & COLE

EM-VER-057-130214

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts

ORIGINAL

February 12, 2013

RECEIVED
FEB 14 2013
CONNECTICUT
SITING COUNCIL

Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification – Antenna Swap**
Butternut Hollow Road, Greenwich, Connecticut

Dear Ms. Roberts:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains twelve (12) wireless telecommunications antennas at the 130-foot level on an existing 180-foot tower at the above-referenced address. The tower and underlying property are owned by the Connecticut State Police. The Council approved Cellco's shared use of this tower in 1992. Cellco now intends to replace all of its antennas with four (4) model APL866513-42T0 cellular antennas; two (2) model SWCP-2X5514 cellular antennas; three (3) model BXA-171063-8BF PCS antennas; and three (3) model SLCP 2X6014 LTE antennas, all at the same 130-foot level. Cellco also intends to install six (6) coax cable diplexers behind its antennas. Attached behind Tab 1 are the specifications for the replacement antennas and cable diplexers.

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 Peter Tesei, First Selectman for the Town of Greenwich. A copy of this letter is being sent to the Connecticut State Police, the owner of the property on which the tower is located.

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

Law Offices
BOSTON
PROVIDENCE
HARTFORD
NEW LONDON
STAMFORD
WHITE PLAINS
NEW YORK CITY
ALBANY
SARASOTA
www.rc.com

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas and cable diplexers will be located at the 130-foot level on the 180-foot tower.

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 operation of the replacement antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) adopted safety standard. A cumulative power density table for Cellco's modified facility is included behind Tab 2.

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

6. The tower and its foundation can support Cellco's proposed modifications. (*See* Detailed Structural Analysis report attached behind Tab 3).

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

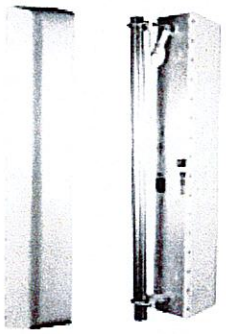
Enclosures
Copy to:
Peter Tesei, Greenwich First Selectman
Connecticut State Police
Sandy M. Carter

Product Data Sheet **APL866513-42T0**

Maximizer® Log Periodic Antenna, 806-894, 65deg, 15.1dBi, 1.2m, FET, 0deg

Product Description

The Celwave® Maximizer series is a log periodic dipole array which uses a patented design to achieve a front-to-back ratio of 45 dB, the highest front-to-back ratio in the industry. Maximizers are available to cover ESMR, AMPS, PCS and DCS frequency ranges. They use RFS's patented monolithic CELlite® technology, which eliminates cable and soldered joints to reduce the possibility of inter-modulation products. The CELlite technology assures high reliability and excellent repeatability of electrical characteristics. The cellular Maximizers are available in 65°, 80° and 90° horizontal beamwidths and the PCS/DCS Maximizers are available in 65° and 90° horizontal beamwidths. Patent number 6,133,889.



Features/Benefits

- **45 dB front-to-back ratio reduces co-channel interference.• Monolithic construction reduces IM.• No solder joints, high reliability.• Surface treated components prevent galvanic corrosion.• UV stabilized radome assures long life without radome deterioration due to UV exposure.**

Technical Specifications

Electrical Specifications

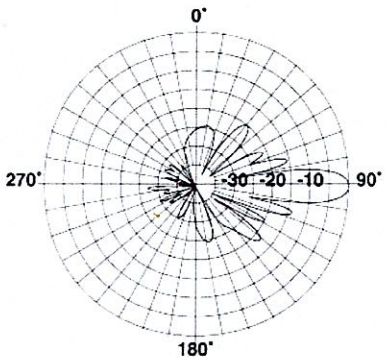
Frequency Range, MHz	806-894
Horizontal Beamwidth, deg	65
Vertical Beamwidth, deg	15
Electrical Downtilt, deg	0
Gain, dBi (dBd)	15.1 (13)
1st Upper Sidelobe Suppression, dB	>20
Upper Sidelobe Suppression, dB	>20
Front-To-Back Ratio, dB	45
Polarization	Vertical
VSWR	< 1.5:1
Impedance, Ohms	50
Maximum Power Input, W	500
Lightning Protection	Direct Ground

Mechanical Specifications

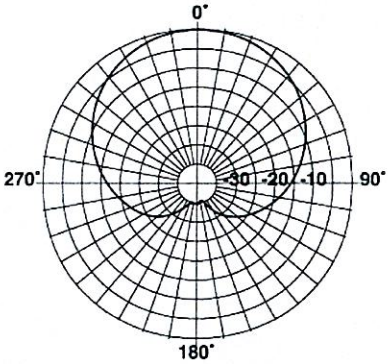
Dimensions - HxWxD, mm (in)	1219 x 234 x 203 (48 x 9.2 x 8)
Weight w/o Mtg Hardware, kg (lb)	7 (15.7)
Shipping Weight, kg (lb)	9.1 (20)
Packing Dimensions, HxWxD, mm (in)	1594 x 343 x 349 (62.75 x 13.5 x 13.75)

Ordering Information

Mounting Hardware	APM21-3



Vertical Pattern



Horizontal Pattern

Other Documentation

All information contained in the present datasheet is subject to confirmation at time of ordering

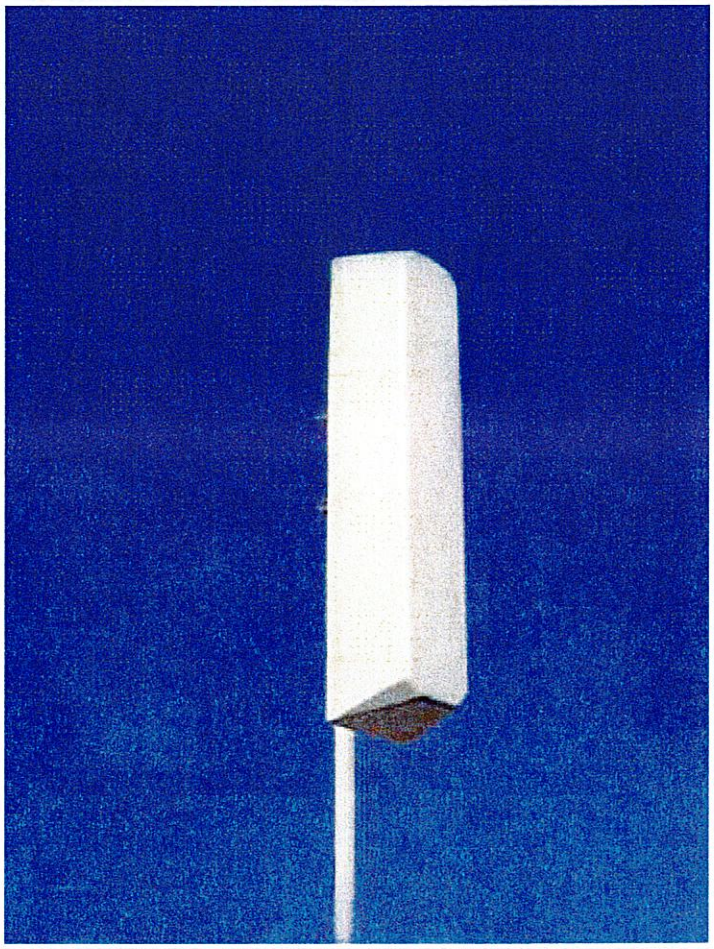
Swedcom

SWCP 2x5514

698 - 896 MHz Dual (2x) CP log-periodic antenna

Features

- Transmit Diversity Gain
- Can be configured to combine space & polarization diversity
- Outstanding performance over the entire band (698 - 896 MHz)
- Excellent Axial Ratio
- Optimized for 4G & 3G systems
- Low intermodulation
- Improved Side-to-side rejection
- Fading reduction
- Excellent isolation between ports



Electrical specifications

Frequency range:	698-896 MHz
Impedance:	50 ohm
Connector type:	7/16 Din
Return loss:	18 dB
Polarization:	Circular
Gain ea. port [Circular]:	2x14 dBdC
Gain ea. port [Linear]:	2x11 dBdL
Axial Ratio:	2 dB
Isolation between ports (TX band):	30 dB
Front-to-back ratio:	30 dB
Intermodulation (2x20W):	IM3 150 dB
	IM5 160 dB
	IM7/9 170 dB
Power rating:	2x 500 W
H-plane (-3 dB point):	2x 55°
V-plane (-3 dB point):	2x 16°
Lightning protection:	DC grounded

Mechanical specifications

Overall height:	51.9 in	[1318 mm]
Width:	13.9 in	[353 mm]
Depth:	11.3 in	[287 mm]
Weight (excluding brackets):	20 lbs	[9 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (front of antenna):	5.01 sq. ft.	[0.46 sq.m]
Lateral thrust at 113 mph/ 180 Km/h (worst case):	256 lbs	[1138 N]

Materials

Radiating Elements:	Aluminum
Transformer (Power distribution)	Ceramic PCB
Chassis:	Aluminum
Radome:	Grey Fiberglass/PVC
Mounting bolts:	Stainless steel

The SWCP 2x5514 is made in the U.S.A.

Amphenol ANTENNA SOLUTIONS

BXA-171063-8BF-EDIN-X

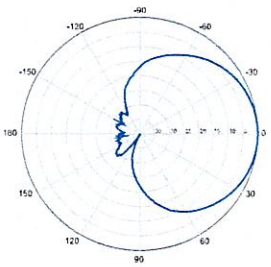
Replace "X" with desired electrical downtilt.

X-Pol | FET Panel | 63° | 17.4 dBi

Electrical Characteristics	1710-2170 MHz		
Frequency bands	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz
Polarization	±45°	±45°	±45°
Horizontal beamwidth	68°	65°	60°
Vertical beamwidth	7°	7°	7°
Gain	14.5 dBd / 16.6 dBi	14.9 dBd / 17.0 dBi	15.3 dBd / 17.4 dBi
Electrical downtilt (X)	0, 2, 4, 8		
Impedance	50Ω		
VSWR	≤1.5:1		
First upper sidelobe	< -17 dB		
Front-to-back isolation	> 30 dB		
In-band isolation	> 28 dB		
IM3 (20W carrier)	< -150 dBc		
Input power	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN / Female / Bottom		
Operating temperature	-40° to +60° C / -40° to +140° F		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1232 x 154 x 105 mm	48.5 x 6.1 x 4.1 in	
Depth with t-brackets	133 mm	5.2 in	
Weight without mounting brackets	4.8 kg	10.5 lbs	
Survival wind speed	296 km/hr	184 mph	
Wind area	Front: 0.19 m² Side: 0.14 m²	Front: 2.0 ft² Side: 1.5 ft²	
Wind load @ 161 km/hr (100 mph)	Front: 281 N Side: 223 N	Front: 63 lbf Side: 50 lbf	

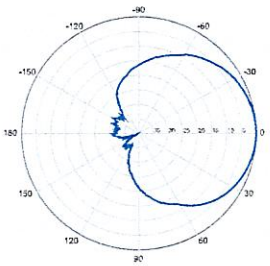
Mounting Options	Part Number	Fits Pipe Diameter	Weight
2-Point Mounting Bracket Kit	26799997	50-102 mm 2.0-4.0 in	2.3 kg 5 lbs
2-Point Mounting & Downtilt Bracket Kit	26799999	50-102 mm 2.0-4.0 in	3.6 kg 8 lbs
Concealment Configurations	For concealment configurations, order BXA-171063-8BF-EDIN-X-FP		

BXA-171063-8BF-EDIN-X



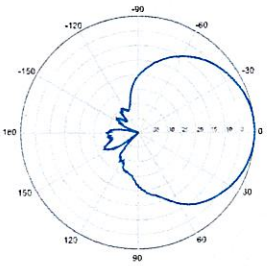
Horizontal | 1710-1880 MHz

BXA-171063-8BF-EDIN-X



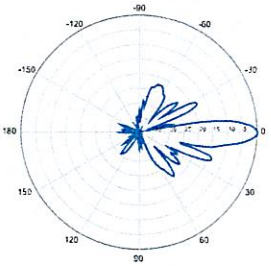
Horizontal | 1850-1990 MHz

BXA-171063-8BF-EDIN-X



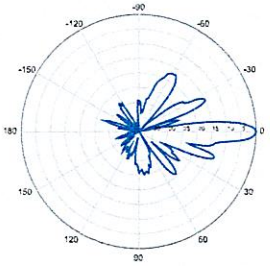
Horizontal | 1920-2170 MHz

BXA-171063-8BF-EDIN-0



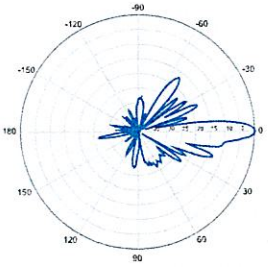
0° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-0



0° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-0



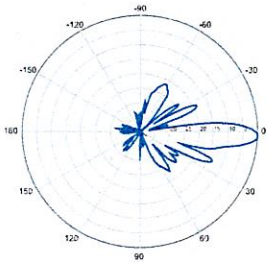
0° | Vertical | 1920-2170 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-171063-8BF-EDIN-X

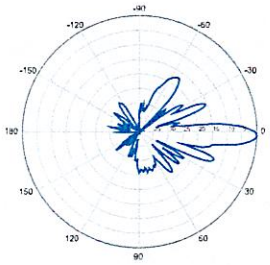
X-Pol | FET Panel | 63° | 17.4 dBi

BXA-171063-8BF-EDIN-2



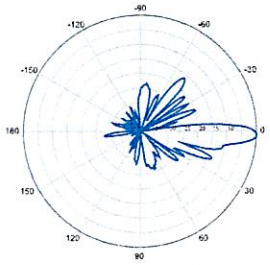
2° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-2



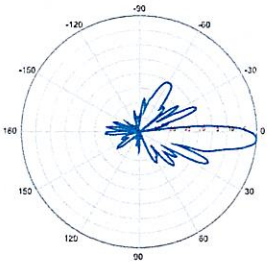
2° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-2



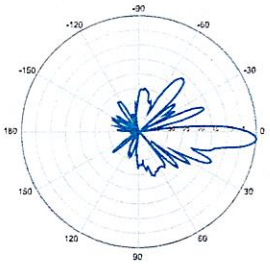
2° | Vertical | 1920-2170 MHz

BXA-171063-8BF-EDIN-4



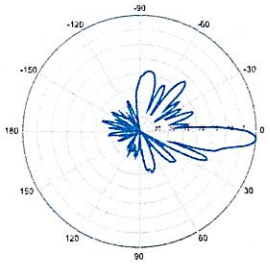
4° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-4



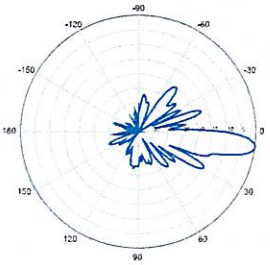
4° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-4



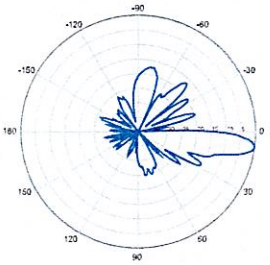
4° | Vertical | 1920-2170 MHz

BXA-171063-8BF-EDIN-8



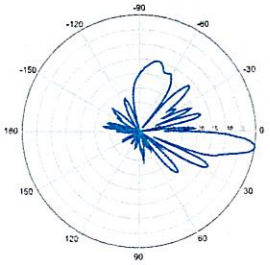
8° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-8



8° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-8



8° | Vertical | 1920-2170 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

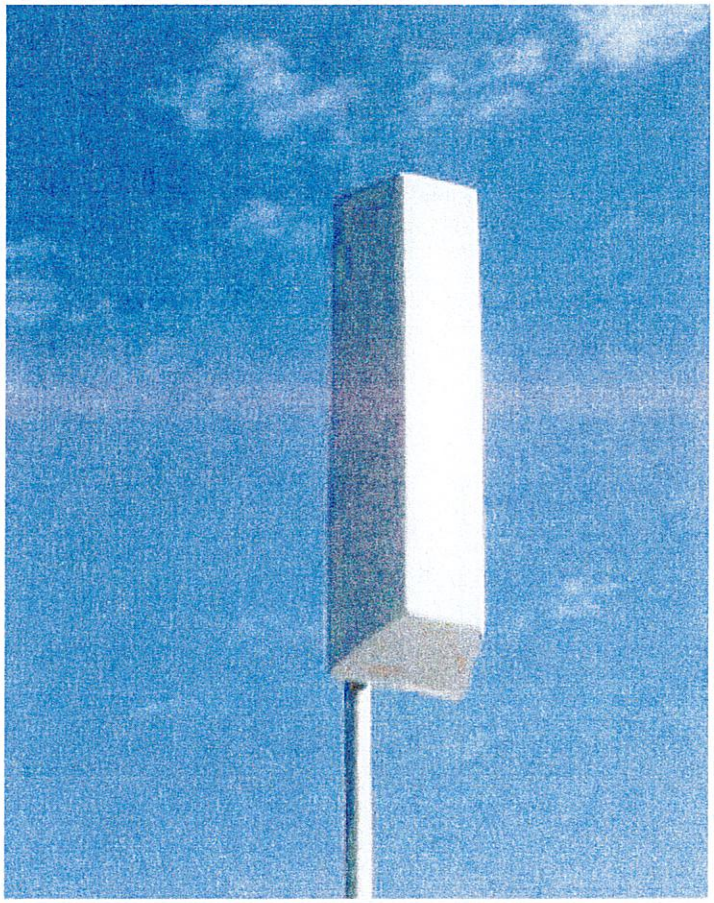
Swedcom

SLCP 2x6014

Dual (2x) Circularly Polarized log-periodic antenna

Features

- Transmit Diversity Gain
- Can be configured to combine space & polarization diversity
- Outstanding performance over the entire band (700 - 800 MHz)
- Excellent Axial Ratio
- Optimized for 4G & 3G systems
- Low intermodulation
- Improved Side-to-side rejection
- Fading reduction
- Excellent isolation between ports



Electrical specifications

Frequency range:	700-800 MHz	
Impedance:	50 ohm	
Connector type:	7/16 Din	
Return loss:	18 dB	
Polarization:	Circular	
Gain ea. port [Circular]:	2x14 dBdC	
Gain ea. port [Linear]:	2x11 dBdL	
Axial Ratio:	2 dB	
Isolation between ports (TX band):	30 dB	
Front-to-back ratio:	30 dB	
Intermodulation (2x20W):	IM3	150 dB
	IM5	160 dB
	IM7/9	170 dB
Power rating:	2x 500 W	
H-plane (-3 dB point):	2x 55°	
V-plane (-3 dB point):	2x 16°	
Lightning protection:	DC grounded	

Mechanical specifications

Overall height:	53 in	[1346 mm]
Width:	14 in	[356 mm]
Depth:	11 in	[279 mm]
Weight (excluding brackets):	20 lbs	[9 Kg]
Wind load measured up to:	150 mph	[240 Km/h]
Wind area (side of antenna):	5.15 sq. ft.	[0.48 sq.m]
Lateral thrust at 113 mph/ 180 Km/h (worst case):	263 lbs	[1171 N]

Materials

Radiating Elements:	Aluminum
Transformer (Power distribution)	Ceramic PCB
Chassis:	Aluminum
Radome:	Grey Fiberglass/PVC
Mounting bolts:	Stainless steel

The SLCP 2x6014 is made in the U.S.A.

Product Data Sheet **FD9R6004/2C-3L**

ShareLite Wideband Diplexer – In-line 698-960 MHz/1710-2200 MHz, DC pass in high frequency path

Product Description

The ShareLite FD9R6004 Series of diplexers are designed to enable feeder sharing between systems in the 698-960 MHz range and in the 1710-2200 MHz range. The diplexer is equipped with in-line connector placement so it can be installed in the BTS cabinet or at the tower top. This is especially valuable in crowded sites or when the feeders are not easily accessible. Due to its wideband design, the FD9R6004 Series can accommodate many combining solutions between 698-960 MHz and 1710-2200 MHz systems such as LTE 700 MHz, Cellular 800 MHz with PCS, GSM900 with GSM1800, or GSM900 with UMTS. This diplexer features a highly selective filter. It provides a high level of isolation between ports, while keeping the insertion loss on both paths at an extremely low level. The FD9R6004 diplexers are available with various DC pass options, helpful in configurations with or without the Tower Mount Amplifiers installed.

Features/Benefits

- **LTE ready design**
- **Extremely Low Insertion Loss**
- **High level of Rejection between bands – Protection against interferences**
- **Extremely High Power Handling Capability**
- **Integrated DC block/bypass versions available**
- **Very compact & small size design – Easy installation and reduced tower load**
- **In-line long-neck connectors for easy connection & waterproofing**
- **Exceptional reliability & environmental protection (IP 67)**
- **Equipped with 1 * Breathable Vent – Prevent any humidity inside the product**
- **Mounting hardware for Wall and Pole mount provided (P/N SEM2-1A)**
- **Grounding already provided through the mounting bracket**
- **Kit available for easy dual mount**

Technical Specifications

Product Type	Diplexer/Cross Band Coupler
Application	LTE700, GSM900, UMTS, GSM1800, Cellular 800, PCS
Frequency Range 1, MHz	698-960
Frequency Range 2, MHz	1710-2200
Configuration	Sharelite Single diplexer, outdoor, DC pass in the 1710-2170MHz path, with mounting hardware SEM2-1A
Mounting	Wall Mounting: With 4 screws (maximum 6mm diameter); Pole Mounting: With included clamp set 40-110mm (1.57-4.33)
Return Loss All Ports Min/Typ, dB	19/23
Power Handling Continuous, Max, W	1250 at common port; 750 in low frequency path & 500 in high frequency path
Power Handling Peak, Max, W	15000 in low frequency path & 8000 in high frequency path
Impedance, Ohms	50
Insertion Loss, Path 1, dB	0.07 typ.
Insertion Loss, Path 2, dB	0.13 typ.
Rejection Between Bands Min/Typ, dB	58/64@698-960MHz; 57/70@1710-2200MHz
IMP Level at the COM Port, Typ, dBm	-112 @ 2x43
DC Pass in Low Frequency Path	No
DC Pass in High Frequency Path	Yes
Temperature Range, °C (°F)	-40 to +60 (-40 to +140)
Environmental	ETSI 300-019-2-4 Class 4.1E
Ingress Protection	IP 67
Lightning Protection	EN/IEC61000-4-5 Level 4
Connectors	In-line long-neck 7-16-Female
Weight, kg (lb)	1.2 (2.6)
Shipping Weight, kg (lb)	3.2 (7) for 2 * single units in 1 * box, 9.8 (21.6) for 6 * units = 3 * Boxes in 1 * overwrap
Dimensions, H x W x D, mm (in)	147 x 164 x 37 (5.8 x 6.5 x 1.5)
Shipping Dimensions, H x W x D, mm (in)	254 x 406 x 82 (10 x 16 x 3.2) for 2 * Single Units in 1 * box, 280 x 406 x 241 (11 x 16 x 9.5) for 6 * units = 3 * Boxes in 1 * overwrap
Volume, L	0.43
Housing	Aluminum

Notes

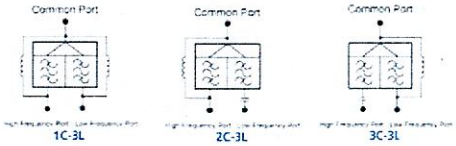
All information contained in the present datasheet is subject to confirmation at time of ordering

ShareLite Wideband Diplexer – In-line 698-960 MHz/1710-2200 MHz, DC pass in high frequency path

Other Documentation

FD9R6004/2C-3L Installation Instructions: Wideband_Diplexer_Installation_Rev5.pdf

Selection Guide Diplexer 698-960 / 1710-2200MHz					
	Model Number	Full DC Pass	DC Pass High Band	DC Pass Low Band	Mounting Hardware Included
Single	FD9R6004/1C-3L				X
	FD9R6004/2C-3L				X
	FD9R6004/3C-3L				X
Dual	KIT-FD9R6004/1C-DL				X
	KIT-FD9R6004/2C-DL				X
	KIT-FD9R6004/3C-DL				X



The FD9R6004 Series is upgradeable to a Dual Diplexer kit by means of 2 diplexers and mounting hardware kits SEM2-1A and SEM2-3

Mounting Hardware and Ground Cable Ordering Information		
Model Number	**Description**	
SEM2-1A	Mounting Hardware, Pole mount o40-110mm (Included with the Single and Dual Diplexer) Wall Screws M6 (Not included with the product)	
SEM2-3	Assembly kit for 2 pcs of FD9R6004/xC-3L (Can be ordered separately but included with the Dual Diplexer Kit)	
CA020-2	Ground Cable, 2m, includes lugs (Optional)	
CA030-2	Ground Cable, 2m, includes lugs (Optional)	
SEM6	Mounting Hardware for 6 Diplexers, Tower Base (Optional)	

All information contained in the present datasheet is subject to confirmation at time of ordering

	General	Power	Density					
Site Name: Butternut (Greenwich)								
Tower Height: Verizon @ 130ft								
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total
*State Police	1	55.61	176	0.0006	6700	1.0000	0.06%	
*Sprint CDMA/LTE	2	693	117	0.0364	1900	1.0000	3.64%	
*Sprint CDMA/LTE	1	390	117	0.0102	850	0.5667	1.81%	
*AT&T UMTS	1	500	148	0.0082	880	0.5867	1.40%	
*AT&T UMTS	1	500	148	0.0082	1900	1.0000	0.82%	
*AT&T GSM	6	296	148	0.0292	880	0.5867	4.97%	
*AT&T GSM	6	427	148	0.0421	1900	1.0000	4.21%	
*AT&T LTE	1	500	148	0.0082	740	0.4933	1.66%	
Verizon PCS	**15**	**250**	**130**	**0.0798**	**1970**	**1.0000**	**7.98%**	
Verizon Cellular	**9**	**257**	**130**	**0.0492**	**869**	**0.5793**	**8.50%**	
Verizon AWS	**1**	**1750**	**130**	**0.0372**	**2145**	**1.0000**	**3.72%**	
Verizon 700	**1**	**841**	**130**	**0.0179**	**698**	**0.4653**	**3.85%**	
								42.61%
* Source: Siting Council								

DETAILED STRUCTURAL ANALYSIS AND EVALUATION OF 180' SELF SUPPORTING LATTICE TOWER WITH STACK-N-BOLT SYSTEM AND FOUNDATION FOR NEW ANTENNA ARRANGEMENT

Connecticut State Police
Butternut Hollow Road
Greenwich, Connecticut

prepared for

Verizon Wireless
99 East River Drive
East Hartford, Connecticut 06108

prepared by

URS CORPORATION
500 ENTERPRISE DR, SUITE 3B
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TEL. 860-529-8882

36922298
VZ5-140

October 16, 2012

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1. EXECUTIVE SUMMARY

This report summarizes the structural analysis and evaluation of the 180' lattice tower located off of Butternut Hollow Road in Greenwich, Connecticut. The analysis was conducted in accordance with the 2005 Connecticut State Building Code, the TIA/EIA-222-F standard and additional requirements of the Connecticut State Police for wind velocity of 90 mph concurrent with ½" ice design wind load. The antenna loading considered in the analysis consists of all existing and proposed antennas, transmission lines, and ancillary items as outlined in the Introduction Section of this report. The proposed Verizon installation is as follows:

Proposed Antenna and Mount	Carrier	Antenna Center Elevation
Remove **(6) DB 844** **(2) P65-16-XL-2** **(1) LNX-6514DS-T4M** **(3) MG D3-800T0**	**Verizon (Existing)**	
Install **(3) SLCP 2x6014** **(4) APL866513-42T0 (Alpha & Gamma)** **(2) SWCP 2x5514 (Beta)** **(3) BXA-171063-8BF** **(6) Diplexers**	**Verizon (Proposed)**	**130'**

The results of this analysis indicate that the existing tower structure has sufficient capacity to support the proposed loading conditions without modification. **The tower and its foundation are considered structurally adequate under the wind load specified above and the existing and proposed antenna loadings.** The twist and sway of the tower is considered within the Connecticut State Police requirements.

This analysis is based on:

1) The tower structure's theoretical capacity not including any assessment of the condition of the tower.
2) Member sizes and tower geometry of the outer tower taken from manufacturers drawings prepared by Rohn Industries, Inc., file number 28325, dated December 28, 1992.
3) Member sizes and tower geometry of the inner tower taken from design calculations and drawings prepared by Towertek Industries Inc., signed and sealed May 9, 2002.
4) Foundation modifications taken from drawings prepared by Walker Engineering Incorporated, Job number 0206-237R2, signed and sealed November 26, 2002.
5) Previous structural analysis performed by URS Corporation, project number VZ5-041 / 36931188, signed and sealed August 2, 2010.
6) Previous structural analysis performed by URS Corporation, project number SAI067 (Rev 3) / 36924454, signed and sealed January 27, 2012.
7) Previous structural analysis performed by URS Corporation, project number HPC-051 / 36917365, signed and sealed September 27, 2012.
8) Tower Mapping and Inventory by Northeast Towers, Inc., climbed November 10, 2011.
9) Antenna inventory provided by the Connecticut State Police via email on July 31, 2012.
10) Antenna inventory as specified in section 2 and 6 of this report.
11) Coax cable orientation as specified in section 6 of this report.

1. **EXECUTIVE SUMMARY** *(continued)*

This report is only valid as per the assumptions and data utilized in this report for antenna inventory, mounts and associated cables. The contractor shall field verify the antenna and mount configuration used, as well as the physical condition of the tower members and connections. The engineer is to be notified in writing immediately if any of the information in the Structural Analysis is found to be other than specified.

If you should have any questions, please call.

Sincerely,

URS Corporation AES

Richard A. Sambor, P.E.
Senior Structural Engineer

RAS/kab

STATE OF CONNECTICUT
RICHARD A. SAMBOR
No. 9057
LICENSED
PROFESSIONAL ENGINEER

2. INTRODUCTION

The subject tower is located off of Butternut Hollow Road in Greenwich, Connecticut. The structure is a self-supporting three-legged 180' steel tapered lattice tower manufactured by Rohn Industries with a Stack-N-Bolt system installed inside the original tower, designed by Towertek.

The existing structure supports numerous communication antennas. The inventory is summarized below:

Antenna Type	***Carrier***	***Mount***	***Centerline Elevation / Leg***	***Cable***
(3) 6' HP Dish	CSP 74 to 76 (reserved)	Dish Mount	180 / ABC	N/A
(1) PD-420	NEU – 55 (existing)	3' Stand-Off	180 / A	(1) 7/8"
(1) DB-583	TOG – 5 (existing)	*Shared with Above*	180 / A	(1) 1-5/8"
(2) Scala OGT9-806N (1 upright & 1 inverted)	CSP - 1 & 2 (existing)	3' Stand-Off	180 / B	(2) 1-5/8"
(2) Sinclair SC479-HF1LDF (1 upright & 1 inverted) (1) TMA	CSP 3, 4 & 73 (existing)	3' Stand-Off	180 / C	(2) 1-5/8" (1) 1/2"
(1) PD-420	NEU – 20 (existing)	*Shared with Above* *(Omni @ 180)*	178 / A	(1) 7/8"
4' Dipole	CSP - 8 (existing)	*Shared with Above* *(Omni @ 180)*	178 / A	(1) 7/8"
6' HP Dish with Radome	TOG – 7 (existing)	Dish Mount	177 / B	(1) Elliptical Cable
(1) ANT900D69 Dipole	CSP – 67 (existing)	Leg Mount	176 / C	(1) 1-5/8"
6' Dish	CSP – 31 (existing)	Dish Mount	176 / A	(1) WEP65
DB-586-Y	TOG - 6 (existing)	Leg Mounted	174 / A	(1) 1-5/8"
(1) AP1185	Stamford 63 (existing)	3' Arm	165 / A	(1) 1-1/4"
(1) AP1185 (1) TMA	Stamford 64 & 65 (existing)	3' Arm	160 / A	(1) 1-1/4" (1) 3/8"
Gabriel GLF6-940	SPD - 9 (existing)	Dish Mount	160 / A	(1) EW90
(3) Sinclair SC-479-HF1LDF (1) TMA	CSP 69 to 72 (existing)	3' Stand-Off	160	(3) 1-5/8" (1) 1/2"
(6) Powerwave 7770 (12) TMAs (3) Powerwave P65-16-XLH-RR (6) Ericsson RRU (1) Raycap Surge Suppressor	AT&T (existing)	Side Arm	150 / ABC	(12) 1-5/8" (1) Fiber Optic Cable (2) DC Cables
(3) EMS RR901700DP (6) TMAs	T-Mobile (existing)	Face Mounted	137 / ABC	(6) 1-5/8"

Antenna Type	*Carrier*	*Mount*	*Centerline Elevation / Leg*	*Cable*
(1) Celwave PD1142 (1) DB-586Y	NEU – 16 & 19 (existing)	*Shared with Above*	135 / B	(1) 1-5/8" (1) 7/8"
(1) Kreco CO41AN	NEU – 18 (existing)	*Shared with Above*	130 / A	(1) 7/8"
(3) SLCP 2x6014 (4) APL866513-42T0 (Alpha & Gamma) (2) SWCP 2x5514 (Beta) (3) BXA-171063-8BF (6) Diplexers	**Verizon (Proposed)**	Boom Gate (existing)	**130 / ABC**	(12) 1-5/8" (existing)
(3) APXVSPP18-C Panel Antennas (6) RRH	Sprint (existing, see note below)	Boom Gate (existing)	117 / ABC	(3) Hybriflex Cables
(1) PD1142	NEU – 16 (existing)	Leg Mounted	110 / A	(1) 1-5/8"
(1) PD1142	CSP – 66 (existing)	Leg Mounted	80 / A	(1) 7/8"
(1) 10' Dipole	DOT – 56 (existing)	3' Arm	80 / B	(1) 7/8"
(1) PD-1142	DEP – 54 (existing)	Leg Mounted	80 / C	(1) 7/8"
GPS	GPS (existing)	Leg Mounted	60 / B	(1) 1/2"
GPS	GPS (existing)	Leg Mounted	60 / C	(1) 1/2"

Note: Sprint antennas shown are from the final antenna plan as indicated in previous structural analysis signed and sealed October 2, 2012

This structural analysis and evaluation of the communications tower was performed by URS Corporation AES (URS) for Verizon. The purpose of this analysis was to investigate the structural integrity of the existing tower with its existing and proposed antenna loads. The analysis was also conducted to evaluate twist (rotation), sway (deflection), and stress on the tower.

3. ANALYSIS METHODOLOGY AND LOADING CONDITIONS

The structural analysis was done in accordance with the 2005 Connecticut State Building Code, TIA/EIA-222-F—Structural Standard for Steel Antenna Towers and Antenna Supporting Structures, and the American Institute of Steel Construction (AISC) Manual of Steel Construction—Allowable Stress Design (ASD).

The analysis was conducted using PLS-Tower. Two load conditions were evaluated as shown below which were compared to allowable stresses according to AISC and TIA/EIA.

Load Condition 1 = 90 mph (fastest mile) Wind Load + Tower Dead Load
Load Condition 2 = 90 mph (fastest mile) Wind Load (with ice) + Ice Load + Tower Dead Load

The TIA/EIA standard permits one-third increase in allowable stresses for towers and monopoles less than 700 feet tall. For purposes of this analysis, in computing the load capacity the allowable stresses of the tower members were increased by one-third.

4. FINDINGS AND EVALUATION

The stresses on the tower structure were evaluated to compare with the allowable stress in accordance with AISC. The results of the analysis indicate that the tower structure is in compliance with the proposed loading conditions. The anchor bolts and foundation were found to be within allowable limits.

Component	***Allowable***	***Actual***
Twist	0.75°	0.10°
Sway		0.78° (see note below)

Note: During the installation of the Stack-N-Bolt system redundant members were installed which will give additional stiffness to the tower and reduce the twist and sway to a level below the allowable of 0.75 degrees. These members are internal bracing members which connect the new horizontal members.

Component	***Component Size***	***Controlling Member***	***Stress (% Capacity)***	***Pass/Fail***
Rohn Diagonal	L2x2x3/16	Rohn-DB61	97.48	Pass
Rohn Leg	Pipe6EH	Rohn-LH2P	97.45	Pass
Rohn Horizontal	L1.75x1.75x3/16	RohnH12	15.63	Pass
SNB Diagonal	L5x5x5/8	SNB-DI11	72.17	Pass
SNB Leg	Pipe8XS	SNB-LH2P	98.47	Pass
SNB Horizontal	Pipe4x0.494	SNB-H91	5.77	Pass
Tower Connection	N/A	3/4" Bolt	76.4	Pass
Foundation	36.5' Square	Overturning Moment	93.9	Pass

5. CONCLUSIONS

The results of the analysis indicate that the tower structure is not overstressed with the proposed loading conditions. **The tower and foundation are considered structurally adequate under the TIA/EIA-222-F wind load specified above and the existing and proposed antenna loadings.** The calculated tower deflection (sway) is 0.78 degrees, and the tower rotation (twist) is 0.10 degrees. These are above the Connecticut State Police specification of 0.75 degrees for twist and sway, however there are redundant members in the tower not utilized in the analysis which will give additional stiffness and will reduce the deflection and rotation values below the Connecticut State Police specification.

Limitations/Assumptions:

This report is based on the following:

A. Tower is properly installed and maintained.

B. All members and their geometry are as specified in the original Project File and are in good condition.

C. All required members are in place.

D. All bolts are in place and are properly tightened.

E. Tower is in plumb condition.

F. All member protective coatings are in good condition.

G. All tower members were properly designed, detailed, fabricated, installed, and have been properly maintained since erection.

URS is not responsible for any modifications completed prior to or hereafter in which URS is not or was not directly involved. Modifications include but are not limited to:

A. Adding antennas
B. Removing/replacing antennas
C. Adding coaxial cables

URS hereby states that this document represents the entire report and that it assumes no liability for any factual changes that may occur after the date of this report. All representations, recommendations, and conclusions are based upon information contained and set forth herein. If you are aware of any information which conflicts with that which is contained herein, or you are aware of any defects arising from original design, material, fabrication, or erection deficiencies, you should disregard this report and immediately contact URS. URS disclaims all liability for any representation, recommendation, or conclusion not expressly stated herein.

Ongoing and Periodic Inspection and Maintenance:

After the Contractor has successfully completed the installation and the work has been accepted, the owner will be responsible for the ongoing and periodic inspection and maintenance of the tower.

The owner shall refer to TIA/EIA-222-F for recommendations for maintenance and inspection. The frequency of the inspection and maintenance intervals is to be determined by the owner based upon actual site and environmental conditions. It is recommended that a complete and thorough inspection of the entire tower structural system be performed at least yearly and more frequently as conditions warrant. According to TIA/EIA-222-F section 14.1, Note 1: It is recommended that the structure be inspected after severe wind and/or ice storms or other extreme loading conditions.

6. DRAWINGS AND DATA

PLS-TOWER INPUT / OUTPUT SUMMARY

Project Name : VZ5-140 / Verizon
Project Notes: Butternut Hollow
Project File : c:\users\kevin_barker\documents\pls tower\vz5-140 - greenwich\butternut hollow greenwich, ct.tow
Date run : 11:38:07 AM Tuesday, October 16, 2012
by : Tower Version 10.62
Licensed to : URS Connecticut

Successfully performed nonlinear analysis

Unusual number of fixed joints found: 6. Towers normally have from between 1 and 4 fixed joints. ??
Linear appurtenance "1-5/8"" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1/2"" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8"" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-1/4"" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Ellipitical" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "3/8"" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Optic Fiber Cable" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "DC Cable" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Hybriflex Cables" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
The model has 10 warnings. ??

Member check option: TIA/EIA 222-F
Connection rupture check: ASCE 10
Crossing diagonal check: ASCE 10 [Alternate Unsupported RLOUT = 1]
Loads from file: c:\users\kevin_barker\documents\pls tower\vz5-140 - greenwich\vz5-140.eia

*** Analysis Results:

Maximum element usage is 98.47% for Angle "SNB-LH2P" in load case "W+I 0 deg"

Summary of Joint Support Reactions For All Load Cases:

Load Case	Joint Label	Long. Force (kips)	Tran. Force (kips)	Vert. Force (kips)	Shear Force (kips)	Tran. Moment (ft-k)	Long. Moment (ft-k)	Vert. Moment (ft-k)	Bending Moment (ft-k)	Found. Usage %
W+I -90 deg	RohnJP	5.18	2.61	21.90	5.80	-0.00	-0.00	-0.00	0.00	0.00
W+I -90 deg	SNB-JP	11.55	6.26	18.23	13.14	-0.00	-0.00	-0.00	0.00	0.00
W+I -90 deg	RohnJ1	3.44	8.55	223.95	9.22	-0.00	-0.00	-0.00	0.00	0.00
W+I -90 deg	RohnJ2	-8.57	17.27	-180.19	19.28	-0.00	-0.00	-0.00	0.00	0.00
W+I -90 deg	SNB-J1	5.02	15.13	318.54	15.94	-0.00	-0.00	-0.00	0.00	0.00
W+I -90 deg	SNB-J2	-16.62	34.87	-281.90	38.63	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	RohnJP	-2.83	2.07	135.75	3.51	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	SNB-JP	-3.67	5.33	187.33	6.47	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	RohnJ1	-0.60	3.62	135.90	3.67	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	RohnJ2	-10.36	18.22	-206.00	20.96	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	SNB-J1	-2.79	5.85	187.49	6.48	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	SNB-J2	-20.89	36.19	-319.95	41.78	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	RohnJP	-12.68	-0.31	271.39	12.69	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	SNB-JP	-22.47	-0.01	389.92	22.47	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	RohnJ1	-9.36	-10.77	-102.76	14.26	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	RohnJ2	-8.80	11.09	-103.00	14.16	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	SNB-J1	-19.29	-21.75	-167.39	29.07	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	SNB-J2	-19.27	21.75	-167.64	29.06	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	RohnJP	-2.83	-2.39	135.76	3.70	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	SNB-JP	-3.67	-5.35	187.32	6.48	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	RohnJ1	-10.64	-18.05	-205.78	20.95	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	RohnJ2	-0.33	-3.46	135.67	3.48	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	SNB-J1	-20.90	-36.18	-319.68	41.78	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	SNB-J2	-2.78	-5.85	187.23	6.48	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	RohnJP	5.18	-2.61	21.90	5.80	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	SNB-JP	11.55	-6.26	18.23	13.14	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	RohnJ1	-8.56	-17.27	-179.98	19.27	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	RohnJ2	3.43	-8.55	223.74	9.22	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	SNB-J1	-16.62	-34.87	-281.64	38.63	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	SNB-J2	5.02	-15.13	318.28	15.94	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	RohnJP	5.03	-0.00	21.92	5.03	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	SNB-JP	11.41	-0.00	18.22	11.41	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	RohnJ1	-2.51	-4.35	22.06	5.03	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	RohnJ2	-2.52	4.36	21.84	5.03	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	SNB-J1	-5.71	-9.88	18.38	11.41	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	SNB-J2	-5.71	9.88	18.11	11.41	-0.00	-0.00	-0.00	0.00	0.00

Summary of Joint Support Reactions For All Load Cases in Direction of Leg:

Load Case	Support Joint	Origin Joint	Member	Leg Force In Leg Dir. (kips)	Residual Shear Perpendicular To Leg (kips)	Residual Shear Horizontal To Leg - Res. (kips)	Residual Shear Horizontal To Leg - Long. (kips)	Residual Shear Horizontal To Leg - Tran. (kips)	Total Long. Force (kips)	Total Tran. Force (kips)	Total Vert. Force (kips)

W+I -90 deg	RohnJP	RohnIaS	Rohn-LI2P	21.674	6.577	6.581	-2.606	-6.043	5.18	2.61	21.90
W+I -90 deg	SNB-JP	SNB-IaS	SNB-LI2P	17.764	13.766	13.774	-6.259	-12.270	11.55	6.26	18.23
W+I -90 deg	RohnJ1	RohnIa1	Rohn-LI21	224.133	1.331	1.331	-0.894	0.986	3.44	8.55	223.95
W+I -90 deg	RohnJ2	RohnIa2	Rohn-LI22	-180.811	12.177	12.186	-11.110	5.008	-8.57	17.27	-180.19
W+I -90 deg	SNB-J1	SNB-Ia1	SNB-LI21	318.910	4.448	4.450	-4.272	1.245	5.02	15.13	318.54
W+I -90 deg	SNB-J2	SNB-Ia2	SNB-LI22	-283.198	27.564	27.585	-25.264	11.077	-16.62	34.87	-281.90
W+I -60 deg	RohnJP	RohnIaS	Rohn-LI2P	135.757	3.264	3.266	-2.068	-2.528	-2.83	2.07	135.75
W+I -60 deg	SNB-JP	SNB-IaS	SNB-LI2P	187.329	6.487	6.489	-5.331	-3.700	-3.67	5.33	187.33
W+I -60 deg	RohnJ1	RohnIa1	Rohn-LI21	135.903	3.442	3.444	1.026	3.287	-0.60	3.62	135.90
W+I -60 deg	RohnJ2	RohnIa2	Rohn-LI22	-206.662	12.810	12.820	-11.170	6.292	-10.36	18.22	-206.00
W+I -60 deg	SNB-J1	SNB-Ia1	SNB-LI21	187.487	6.500	6.502	0.541	6.479	-2.79	5.85	187.49
W+I -60 deg	SNB-J2	SNB-Ia2	SNB-LI22	-321.341	29.171	29.193	-25.283	14.594	-20.89	36.19	-319.95
W+I 0 deg	RohnJP	RohnIaS	Rohn-LI2P	271.680	1.985	1.987	0.313	1.962	-12.68	-0.31	271.39
W+I 0 deg	SNB-JP	SNB-IaS	SNB-LI2P	390.505	7.119	7.125	0.014	7.125	-22.47	-0.01	389.92
W+I 0 deg	RohnJ1	RohnIa1	Rohn-LI21	-103.233	10.300	10.308	7.251	7.326	-9.36	-10.77	-102.76
W+I 0 deg	RohnJ2	RohnIa2	Rohn-LI22	-103.469	10.143	10.151	-7.566	6.767	-8.80	11.09	-103.00
W+I 0 deg	SNB-J1	SNB-Ia1	SNB-LI21	-168.382	22.639	22.655	16.043	15.997	-19.29	-21.75	-167.39
W+I 0 deg	SNB-J2	SNB-Ia2	SNB-LI22	-168.632	22.619	22.635	-16.038	15.973	-19.27	21.75	-167.64
W+I 60 deg	RohnJP	RohnIaS	Rohn-LI2P	135.770	3.478	3.479	2.386	-2.532	-2.83	-2.39	135.76
W+I 60 deg	SNB-JP	SNB-IaS	SNB-LI2P	187.321	6.501	6.502	5.346	-3.702	-3.67	-5.35	187.32
W+I 60 deg	RohnJ1	RohnIa1	Rohn-LI21	-206.449	12.811	12.821	11.008	6.574	-10.64	-18.05	-205.78
W+I 60 deg	RohnJ2	RohnIa2	Rohn-LI22	135.680	3.233	3.234	-1.177	3.013	-0.33	-3.46	135.67
W+I 60 deg	SNB-J1	SNB-Ia1	SNB-LI21	-321.078	29.180	29.203	25.287	14.607	-20.90	-36.18	-319.68
W+I 60 deg	SNB-J2	SNB-Ia2	SNB-LI22	187.229	6.486	6.488	-0.532	6.466	-2.78	-5.85	187.23
W+I 90 deg	RohnJP	RohnIaS	Rohn-LI2P	21.677	6.580	6.585	2.608	-6.046	5.18	-2.61	21.90
W+I 90 deg	SNB-JP	SNB-IaS	SNB-LI2P	17.762	13.766	13.775	6.262	-12.269	11.55	-6.26	18.23
W+I 90 deg	RohnJ1	RohnIa1	Rohn-LI21	-180.598	12.178	12.188	11.111	5.010	-8.56	-17.27	-179.98
W+I 90 deg	RohnJ2	RohnIa2	Rohn-LI22	223.921	1.334	1.334	0.900	0.985	3.43	-8.55	223.74
W+I 90 deg	SNB-J1	SNB-Ia1	SNB-LI21	-282.935	27.573	27.595	25.272	11.082	-16.62	-34.87	-281.64
W+I 90 deg	SNB-J2	SNB-Ia2	SNB-LI22	318.646	4.459	4.461	4.284	1.242	5.02	-15.13	318.28
DL + Ice Only	RohnJP	RohnIaS	Rohn-LI2P	21.701	5.889	5.894	0.001	-5.894	5.03	-0.00	21.92
DL + Ice Only	SNB-JP	SNB-IaS	SNB-LI2P	17.755	12.119	12.129	0.002	-12.129	11.41	-0.00	18.22
DL + Ice Only	RohnJ1	RohnIa1	Rohn-LI21	21.840	5.892	5.897	5.107	2.948	-2.51	-4.35	22.06
DL + Ice Only	RohnJ2	RohnIa2	Rohn-LI22	21.622	5.888	5.893	-5.103	2.947	-2.52	4.36	21.84
DL + Ice Only	SNB-J1	SNB-Ia1	SNB-LI21	17.921	12.126	12.135	10.510	6.067	-5.71	-9.88	18.38
DL + Ice Only	SNB-J2	SNB-Ia2	SNB-LI22	17.651	12.115	12.124	-10.499	6.063	-5.71	9.88	18.11

EIA Sections Information:

Section Label	Top Z (ft)	Bottom Z (ft)	Joint Count	Member Count	Top Width (ft)	Bottom Width (ft)	Gross Area (ft^2)	Face Af Adjust Factor	Face Ar Adjust Factor	Dead Load Factor
A	180.000	160.000	30	99	7.50	8.87	163.75	0.9000	0.9000	1.000
B	160.000	140.000	30	87	8.87	10.23	191.05	0.9000	0.9000	1.000
C	140.000	120.000	24	66	10.23	11.60	218.31	0.9000	0.9000	1.000
D	120.000	100.000	24	66	11.60	12.96	245.54	0.9000	0.9000	1.000
E	100.000	80.000	24	66	12.96	14.32	272.78	0.9000	0.9000	1.000
F	80.000	60.000	18	45	14.32	15.68	300.04	0.9000	0.9000	1.000
G	60.000	40.000	18	45	15.68	17.05	327.29	0.9000	0.9000	1.000
H	40.000	20.000	18	45	17.05	18.41	354.57	0.9000	0.9000	1.000
I	20.000	0.000	18	39	18.41	19.78	381.92	0.9000	0.9000	1.000

*** Overall summary for all load cases - Usage = Maximum Stress / Allowable Stress
Printed capacities do not include EIA allowable stress increase for wind load cases.
Printed capacities do not include the strength factor entered for each load case.
The Group Summary reports on the member and load case that resulted in maximum usage
which may not necessarily be the same as that which produces maximum force.

Group Summary (Compression Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Comp. %	Comp. Control Member	Comp. Force (kips)	Comp. Control Load Case	L/R Capacity (kips)	Comp. Conn. Shear Capacity (kips)	Comp. Conn. Bearing Capacity (kips)	RLX	RLY	RLZ	L/R	Length Comp. Member (ft)	Curve No.	No. Of Bolts Comp.
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	36.0	76.70	76.70	Rohn-DA71	-3.073	W+I 0 deg	3.005	16.200	8.156	0.500	0.500	0.500	175.53	10.034	4	1
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	97.48	97.48	Rohn-DB61	-4.971	W+I 0 deg	3.824	16.200	8.156	0.500	0.500	0.500	166.50	10.934	4	1
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	88.02	88.02	Rohn-DC61	-6.196	W+I 0 deg	5.280	16.200	8.156	0.500	0.500	0.500	159.72	13.177	4	1
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	93.56	93.56	Rohn-DD61	-7.191	W+I 0 deg	5.764	16.200	10.875	0.500	0.500	0.500	175.58	14.368	4	1
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	65.83	65.83	Rohn-DE61	-7.561	W+I 0 deg	8.615	16.200	12.187	0.500	0.500	0.500	157.99	15.589	4	1
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	65.88	65.88	Rohn-DF41	-8.841	W+I 0 deg	10.065	16.200	12.187	0.500	0.500	0.500	158.34	18.315	4	1
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	65.93	65.93	Rohn-DI21	-9.897	W+I 0 deg	11.259	16.200	12.187	0.500	0.500	0.500	160.41	21.254	4	1
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	15.52	15.52	Rohn-LA4P	-14.013	W+I 0 deg	67.718	0.000	0.000	1.000	1.000	1.000	52.67	5.004	1	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	35.43	35.43	Rohn-LB4P	-40.609	W+I 0 deg	85.952	0.000	0.000	1.000	1.000	1.000	45.84	5.004	1	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	56.57	56.57	Rohn-LC3P	-74.026	W+I 0 deg	98.153	0.000	0.000	1.000	1.000	1.000	54.04	6.665	1	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	81.60	81.60	Rohn-LD3P	-111.677	W+I 0 deg	102.644	0.000	0.000	1.000	1.000	1.000	42.54	6.665	1	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	74.48	74.48	Rohn-LE3P	-144.103	W+I 0 deg	145.117	0.000	0.000	1.000	1.000	1.000	43.23	6.665	1	0

Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	83.88	83.88	Rohn-LF2P	-177.848	W+I 0 deg	159.025	0.000	0.000	1.000	1.000	1.000	54.10	10.008	1	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	97.45	97.45	Rohn-LH2P	-241.837	W+I 0 deg	186.124	0.000	0.000	1.000	1.000	1.000	54.59	10.008	1	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	79.66	79.66	Rohn-LI2P	-269.677	W+I 0 deg	253.910	0.000	0.000	1.000	1.000	1.000	40.57	10.008	1	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	15.63	15.63	Rohn-H12	-1.119	W+I 60 deg	5.372	0.000	0.000	0.500	0.500	0.500	131.28	7.505	4	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	13.71	13.71	SNB-DA71	-2.413	W+I 90 deg	13.207	16.200	13.594	0.500	0.500	0.500	111.38	7.240	1	1
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	23.63	23.63	SNB-DB62	-2.920	W+I -90 de	9.268	16.200	10.875	0.500	0.500	0.500	122.92	8.011	4	1
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	49.32	49.32	SNB-DD61	-7.312	W+I 0 deg	11.119	16.200	13.594	0.500	0.500	0.500	140.03	11.412	4	1
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	43.81	43.81	SNB-DE21	-9.464	W+I 0 deg	27.855	16.200	21.750	0.500	0.500	0.500	121.07	11.784	4	1
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	28.85	28.03	SNB-DF42	-8.969	W+I -90 de	39.016	24.000	26.100	0.500	0.500	0.500	119.15	15.529	1	1
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	39.25	36.91	SNB-DH11	-11.810	W+I 90 deg	39.490	24.000	32.625	0.500	0.500	0.500	132.03	17.142	4	1
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	72.17	72.17	SNB-DI11	-23.093	W+I 90 deg	66.757	24.000	32.625	0.500	0.500	0.500	112.06	18.267	1	1
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	12.64	12.64	SNB-LA4P	-12.661	W+I 0 deg	75.146	0.000	0.000	1.000	1.000	1.000	55.09	5.004	1	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	50.89	50.89	SNB-LC3P	-74.911	W+I 0 deg	110.397	0.000	0.000	1.000	1.000	1.000	56.33	6.665	1	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	84.04	84.04	SNB-LD3P	-121.317	W+I 0 deg	108.266	0.000	0.000	1.000	1.000	1.000	43.23	6.665	1	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	85.74	85.74	SNB-LF2P	-217.993	W+I 0 deg	190.683	0.000	0.000	1.000	1.000	1.000	55.86	10.008	1	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	98.47	98.47	SNB-LH2P	-320.186	W+I 0 deg	243.879	0.000	0.000	1.000	1.000	1.000	41.70	10.008	1	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	90.77	90.77	SNB-LI2P	-384.235	W+I 0 deg	317.480	0.000	0.000	1.000	1.000	1.000	33.08	10.008	1	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.04	0.01	Connect Ial	-2.764	W+I 60 deg	17202.963	0.000	0.000	1.000	1.000	1.000	2.41	2.004	1	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	1.50	1.15	SNB-H41	-1.189	W+I 0 deg	77.281	0.000	0.000	0.500	0.500	0.500	44.46	8.132	1	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	5.77	1.66	SNB-H51	-2.662	W+I 0 deg	119.111	0.000	0.000	0.500	0.500	0.500	40.11	9.493	1	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	56.16	56.16	Rohn-DB81	-5.062	W+I 60 deg	6.759	16.200	16.312	0.500	0.500	0.500	173.34	11.238	4	1

Group Summary (Tension Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Tens. %	Tension Control Member	Tension Force (kips)	Tension Control Load Case	Net Tens. Section Capacity (kips)	Conn. Tens. Shear Capacity (kips)	Conn. Tens. Bearing Capacity (kips)	Conn. Tens. Rupture Capacity (kips)	Length Tens. Member (ft)	No. Of Bolts Tens.	No. Of Holes	Hole Diameter (in)
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	36.0	76.70	22.36	Rohn-DA81	2.431	W+I -60 de	10.681	16.200	8.156	8.684	10.034	1	1.000	0.6875
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	97.48	41.57	Rohn-DB5P	4.521	W+I 60 deg	12.639	16.200	8.156	9.527	10.934	1	1.000	0.6875
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	88.02	55.93	Rohn-DC31	6.082	W+I -90 de	16.815	16.200	8.156	10.195	12.798	1	1.000	0.6875
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	93.56	47.34	Rohn-DD3P	6.864	W+I 0 deg	22.144	16.200	10.875	13.594	13.977	1	1.000	0.6875
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	65.83	40.67	Rohn-DE51	6.609	W+I -90 de	30.910	16.200	12.187	15.234	15.589	1	1.000	0.6875
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	65.88	50.92	Rohn-DF1P	8.274	W+I 0 deg	37.004	16.200	12.187	15.234	17.748	1	1.000	0.6875
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	65.93	55.41	Rohn-DI3P	9.004	W+I 0 deg	43.098	16.200	12.187	15.234	21.860	1	1.000	0.6875
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	15.52	9.33	Rohn-LA41	10.559	W+I 60 deg	84.900	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	35.43	22.26	Rohn-LB42	30.633	W+I -60 de	103.200	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	56.57	34.70	Rohn-LC32	57.462	W+I -60 de	124.200	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	81.60	54.38	Rohn-LD32	87.651	W+I -60 de	120.900	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	74.48	49.46	Rohn-LE32	113.170	W+I -60 de	171.600	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	83.88	52.13	Rohn-LF22	139.926	W+I -60 de	201.300	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	97.45	59.28	Rohn-LH22	186.834	W+I -60 de	236.400	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	79.66	50.65	Rohn-LI22	199.773	W+I -60 de	295.800	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	15.63	5.40	Rohn-H12	0.964	W+I -90 de	13.392	0.000	0.000	0.000	7.505	0	0.000	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	13.71	13.58	SNB-DA71	2.462	W+I -90 de	20.340	16.200	13.594	15.879	7.240	1	1.000	0.6875
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	23.63	21.13	SNB-DB42	3.063	W+I 90 deg	16.707	16.200	10.875	12.703	7.747	1	1.000	0.6875
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	49.32	40.11	SNB-DD3P	7.270	W+I 0 deg	27.082	16.200	13.594	16.992	11.059	1	1.000	0.6875
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	43.81	42.34	SNB-DE11	9.146	W+I -90 de	52.336	16.200	21.750	27.187	11.784	1	1.000	0.6875
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	28.85	28.85	SNB-DF42	9.233	W+I 90 deg	72.726	24.000	26.100	32.625	15.529	1	1.000	0.8125
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	39.25	39.25	SNB-DH42	12.561	W+I 90 deg	89.222	24.000	32.625	40.781	17.700	1	1.000	0.8125
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	72.17	68.83	SNB-DI42	22.026	W+I 90 deg	116.410	24.000	32.625	40.781	18.841	1	1.000	0.8125
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	12.64	8.78	SNB-LA41	10.619	W+I 60 deg	90.720	0.000	0.000	0.000	5.004	0	0.000	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	50.89	35.31	SNB-LC32	63.157	W+I -60 de	134.136	0.000	0.000	0.000	6.665	0	0.000	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	84.04	62.64	SNB-LD32	103.187	W+I -60 de	123.552	0.000	0.000	0.000	6.665	0	0.000	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	85.74	59.38	SNB-LF22	182.992	W+I -60 de	231.120	0.000	0.000	0.000	10.008	0	0.000	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	98.47	71.31	SNB-LH22	262.888	W+I -60 de	276.480	0.000	0.000	0.000	10.008	0	0.000	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	90.77	64.74	SNB-LI22	300.160	W+I -60 de	347.759	0.000	0.000	0.000	10.008	0	0.000	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.04	0.04	Connect IP	8.083	W+I 0 deg	17279.973	0.000	0.000	0.000	2.002	0	0.000	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	1.50	1.50	SNB-H42	1.769	W+I 60 deg	88.668	0.000	0.000	0.000	8.132	0	0.000	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	5.77	5.77	SNB-H91	10.322	W+I 90 deg	134.136	0.000	0.000	0.000	14.944	0	0.000	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	56.16	24.66	Rohn-DB7P	5.326	W+I 0 deg	23.973	16.200	16.312	19.055	11.238	1	1.000	0.6875

*** Maximum Stress Summary for Each Load Case

Summary of Maximum Usages by Load Case:

Load Case	Maximum Usage %	Element Label	Element Type
W+I -90 deg	87.93	Rohn-DB62	Angle
W+I -60 deg	76.50	Rohn-DB62	Angle
W+I 0 deg	98.47	SNB-LH2P	Angle
W+I 60 deg	82.50	Rohn-DB61	Angle
W+I 90 deg	88.55	Rohn-DB51	Angle
DL + Ice Only	30.11	SNB-DI11	Angle

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*** Weight of structure (lbs):
    Weight of Angles*Section DLF:      62797.0
    Weight of Equipment:               11201.7
    Total:                             73998.7

*** End of Report
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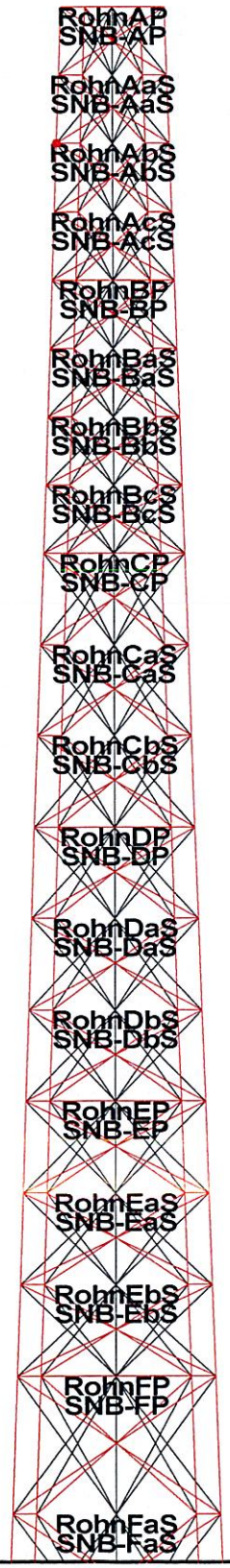
PLS-TOWER NODE LOCATIONS

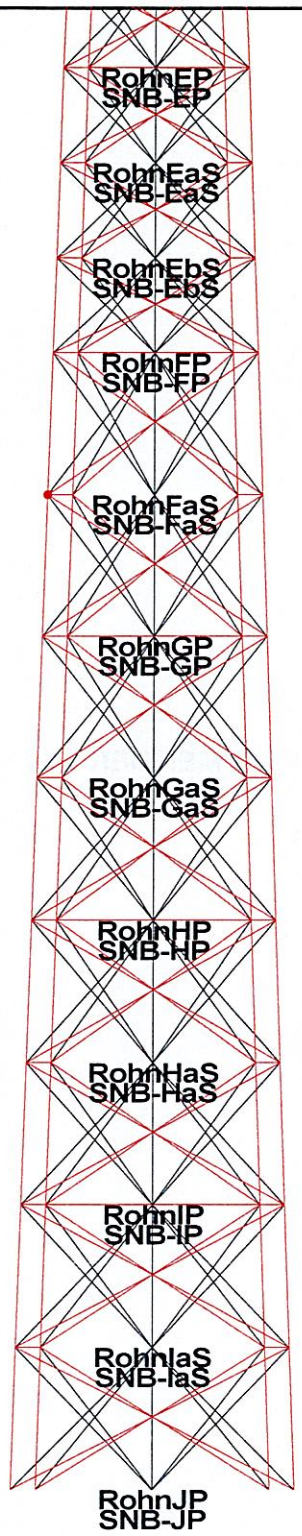
URS Connecticut, Project: "butternut hollow greenwich, ct"
Tower Version 10.62, 3:25:06 PM Monday, November 14, 2011
Undeformed geometry displayed

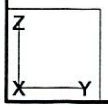
Tower geometry unchanged from previous analysis



URS Connecticut, Project: "butternut hollow greenwich, ct"
Tower Version 10.62, 3:25:29 PM Monday, November 14, 2011
Undeformed geometry displayed

Tower geometry unchanged from previous analysis

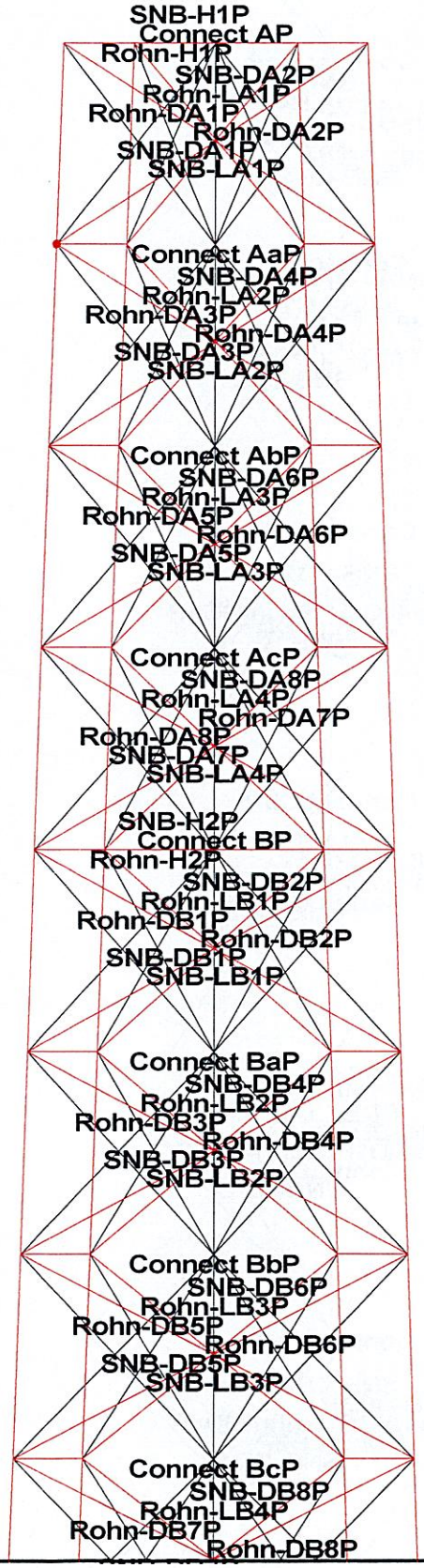




PLS-TOWER MEMBER LOCATIONS

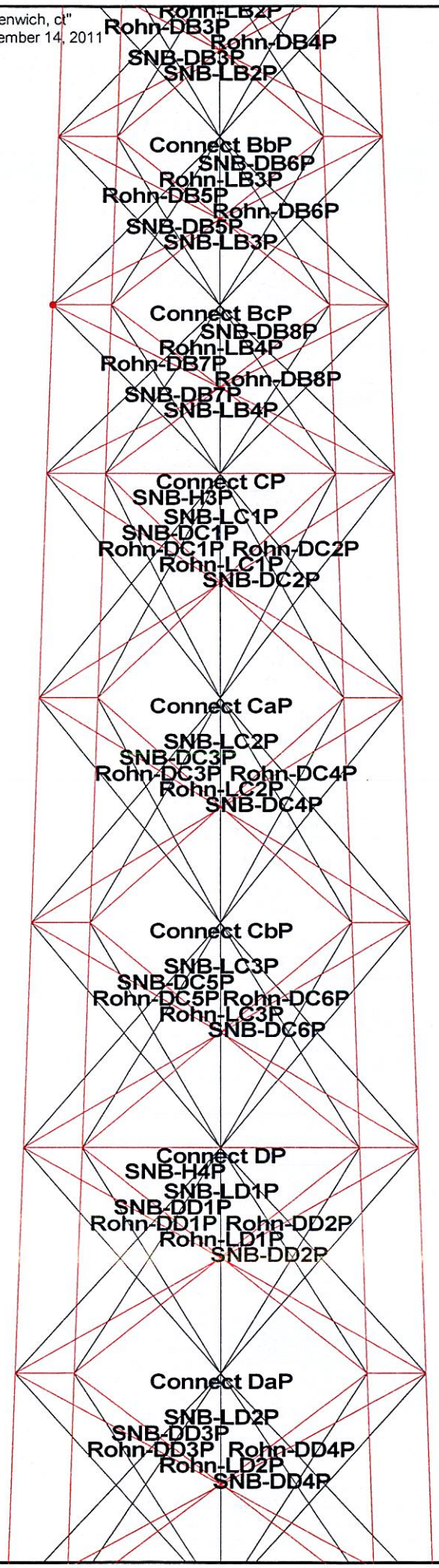
URS Connecticut, Project: "butternut hollow greenwich, ct"
Tower Version 10.62, 3:27:04 PM Monday, November 14, 2011
Undeformed geometry displayed

Tower geometry unchanged from previous analysis



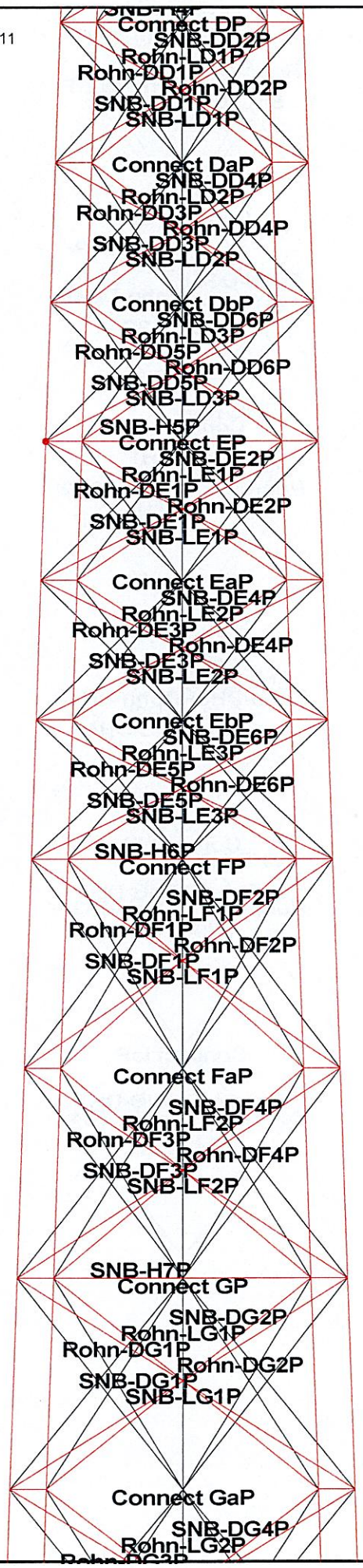
URS Connecticut, Project: "butternut hollow greenwich, ct"
Tower Version 10.62, 3:27:36 PM Monday, November 14, 2011
Undeformed geometry displayed

Tower geometry unchanged from previous analysis



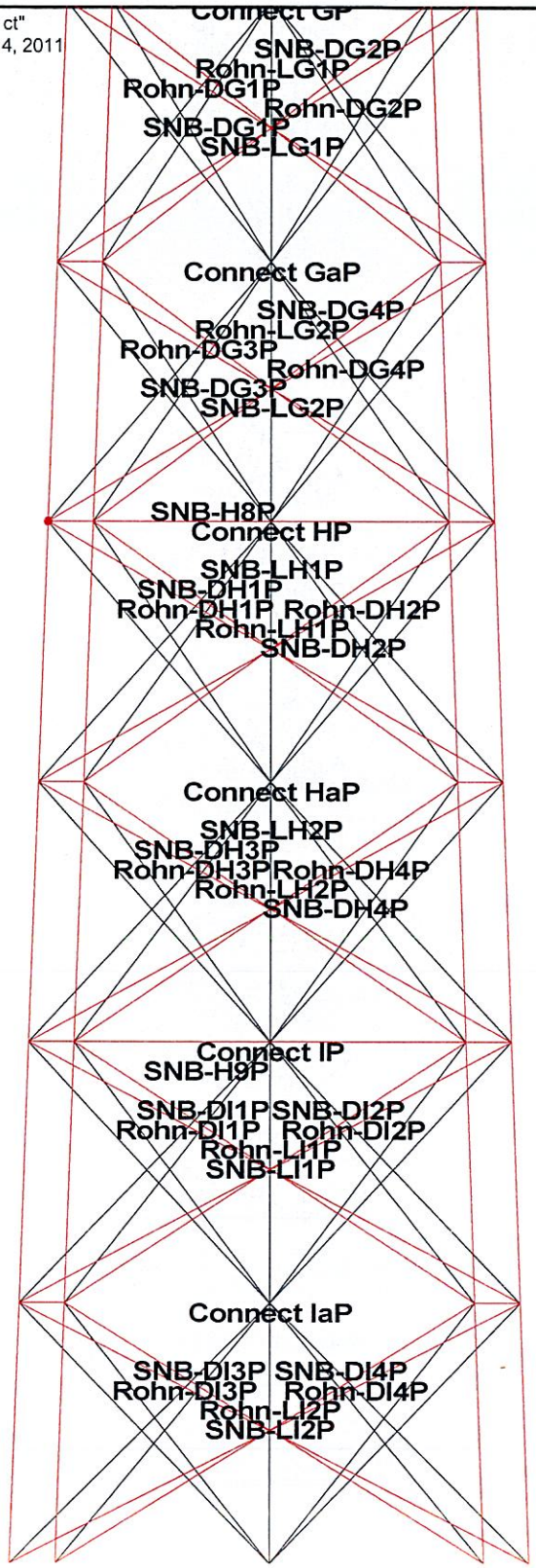
URS Connecticut, Project: "butternut hollow greenwich, ct"
Tower Version 10.62, 3:29:28 PM Monday, November 14, 2011
Undeformed geometry displayed

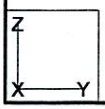
Tower geometry unchanged from previous analysis



URS Connecticut, Project: "butternut hollow greenwich, ct"
Tower Version 10.62, 3:28:59 PM Monday, November 14, 2011
Undeformed geometry displayed

Tower geometry unchanged from previous analysis





PLS-TOWER DETAILED OUTPUT

```
*****************************************************************************
*                                                                           *
* TOWER - Analysis and Design -  Copyright Power Line Systems, Inc. 1986-2006 *
*                                                                           *
*****************************************************************************
```

Project Name : VZ5-140 / Verizon
Project Notes: Butternut Hollow
Project File : c:\users\kevin_barker\documents\pls tower\vz5-140 - greenwich\butternut hollow greenwich, ct.tow
Date run : 11:38:06 AM Tuesday, October 16, 2012
by : Tower Version 10.62
Licensed to : URS Connecticut

Successfully performed nonlinear analysis

Unusual number of fixed joints found: 6. Towers normally have from between 1 and 4 fixed joints. ??
Linear appurtenance "1-5/8"" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1/2"" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8"" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-1/4"" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Ellipitical" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "3/8"" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Optic Fiber Cable" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "DC Cable" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Hybriflex Cables" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
The model has 10 warnings. ??

Nonlinear convergence parameters: Use Standard Parameters
Member check option: TIA/EIA 222-F
Connection rupture check: ASCE 10
Crossing diagonal check: ASCE 10 [Alternate Unsupported RLOUT = 1]

Joints Geometry:

Joint Label	Symmetry Code	X Coord. (ft)	Y Coord. (ft)	Z Coord. (ft)	X Disp. Rest.	Y Disp. Rest.	Z Disp. Rest.	X Rot. Rest.	Y Rot. Rest.	Z Rot. Rest.
RohnAP	Tri-Symmetry	4.333	0	180	Free	Free	Free	Free	Free	Free
RohnBP	Tri-Symmetry	5.121	0	160	Free	Free	Free	Free	Free	Free
RohnCP	Tri-Symmetry	5.909	0	140	Free	Free	Free	Free	Free	Free
RohnDP	Tri-Symmetry	6.695	0	120	Free	Free	Free	Free	Free	Free
RohnEP	Tri-Symmetry	7.481	0	100	Free	Free	Free	Free	Free	Free
RohnFP	Tri-Symmetry	8.268	0	80	Free	Free	Free	Free	Free	Free
RohnGP	Tri-Symmetry	9.055	0	60	Free	Free	Free	Free	Free	Free
RohnHP	Tri-Symmetry	9.841	0	40	Free	Free	Free	Free	Free	Free
RohnIP	Tri-Symmetry	10.63	0	20	Free	Free	Free	Free	Free	Free
RohnJP	Tri-Symmetry	11.42	0	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
SNB-AP	Tri-Symmetry	2.333	0	180	Free	Free	Free	Free	Free	Free
SNB-BP	Tri-Symmetry	3.121	0	160	Free	Free	Free	Free	Free	Free
SNB-CP	Tri-Symmetry	3.908	0	140	Free	Free	Free	Free	Free	Free
SNB-DP	Tri-Symmetry	4.695	0	120	Free	Free	Free	Free	Free	Free
SNB-EP	Tri-Symmetry	5.481	0	100	Free	Free	Free	Free	Free	Free
SNB-FP	Tri-Symmetry	6.268	0	80	Free	Free	Free	Free	Free	Free
SNB-GP	Tri-Symmetry	7.055	0	60	Free	Free	Free	Free	Free	Free
SNB-HP	Tri-Symmetry	7.841	0	40	Free	Free	Free	Free	Free	Free
SNB-IP	Tri-Symmetry	8.628	0	20	Free	Free	Free	Free	Free	Free
SNB-JP	Tri-Symmetry	9.415	0	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
RohnA1	Tri-Gen 1	-2.167	-3.752	180	Free	Free	Free	Free	Free	Free
RohnA2	Tri-Gen 2	-2.167	3.752	180	Free	Free	Free	Free	Free	Free
RohnB1	Tri-Gen 1	-2.561	-4.435	160	Free	Free	Free	Free	Free	Free
RohnB2	Tri-Gen 2	-2.561	4.435	160	Free	Free	Free	Free	Free	Free
RohnC1	Tri-Gen 1	-2.954	-5.117	140	Free	Free	Free	Free	Free	Free
RohnC2	Tri-Gen 2	-2.954	5.117	140	Free	Free	Free	Free	Free	Free
RohnD1	Tri-Gen 1	-3.348	-5.798	120	Free	Free	Free	Free	Free	Free
RohnD2	Tri-Gen 2	-3.348	5.798	120	Free	Free	Free	Free	Free	Free
RohnE1	Tri-Gen 1	-3.741	-6.479	100	Free	Free	Free	Free	Free	Free
RohnE2	Tri-Gen 2	-3.741	6.479	100	Free	Free	Free	Free	Free	Free
RohnF1	Tri-Gen 1	-4.134	-7.16	80	Free	Free	Free	Free	Free	Free
RohnF2	Tri-Gen 2	-4.134	7.16	80	Free	Free	Free	Free	Free	Free
RohnG1	Tri-Gen 1	-4.527	-7.842	60	Free	Free	Free	Free	Free	Free
RohnG2	Tri-Gen 2	-4.527	7.842	60	Free	Free	Free	Free	Free	Free
RohnH1	Tri-Gen 1	-4.921	-8.523	40	Free	Free	Free	Free	Free	Free
RohnH2	Tri-Gen 2	-4.921	8.523	40	Free	Free	Free	Free	Free	Free
RohnI1	Tri-Gen 1	-5.315	-9.206	20	Free	Free	Free	Free	Free	Free
RohnI2	Tri-Gen 2	-5.315	9.206	20	Free	Free	Free	Free	Free	Free
RohnJ1	Tri-Gen 1	-5.71	-9.89	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
RohnJ2	Tri-Gen 2	-5.71	9.89	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
SNB-A1	Tri-Gen 1	-1.167	-2.02	180	Free	Free	Free	Free	Free	Free
SNB-A2	Tri-Gen 2	-1.167	2.02	180	Free	Free	Free	Free	Free	Free
SNB-B1	Tri-Gen 1	-1.561	-2.703	160	Free	Free	Free	Free	Free	Free

SNB-B2	Tri-Gen 2	-1.561	2.703	160	Free	Free	Free	Free	Free	Free
SNB-C1	Tri-Gen 1	-1.954	-3.384	140	Free	Free	Free	Free	Free	Free
SNB-C2	Tri-Gen 2	-1.954	3.384	140	Free	Free	Free	Free	Free	Free
SNB-D1	Tri-Gen 1	-2.348	-4.066	120	Free	Free	Free	Free	Free	Free
SNB-D2	Tri-Gen 2	-2.348	4.066	120	Free	Free	Free	Free	Free	Free
SNB-E1	Tri-Gen 1	-2.74	-4.747	100	Free	Free	Free	Free	Free	Free
SNB-E2	Tri-Gen 2	-2.74	4.747	100	Free	Free	Free	Free	Free	Free
SNB-F1	Tri-Gen 1	-3.134	-5.428	80	Free	Free	Free	Free	Free	Free
SNB-F2	Tri-Gen 2	-3.134	5.428	80	Free	Free	Free	Free	Free	Free
SNB-G1	Tri-Gen 1	-3.528	-6.11	60	Free	Free	Free	Free	Free	Free
SNB-G2	Tri-Gen 2	-3.528	6.11	60	Free	Free	Free	Free	Free	Free
SNB-H1	Tri-Gen 1	-3.921	-6.791	40	Free	Free	Free	Free	Free	Free
SNB-H2	Tri-Gen 2	-3.921	6.791	40	Free	Free	Free	Free	Free	Free
SNB-I1	Tri-Gen 1	-4.314	-7.472	20	Free	Free	Free	Free	Free	Free
SNB-I2	Tri-Gen 2	-4.314	7.472	20	Free	Free	Free	Free	Free	Free
SNB-J1	Tri-Gen 1	-4.708	-8.154	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
SNB-J2	Tri-Gen 2	-4.708	8.154	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed

Secondary Joints:

Joint Label	Symmetry Code	Origin Joint	End Joint	Fraction	Elevation (ft)	X Disp. Rest.	Y Disp. Rest.	Z Disp. Rest.	X Rot. Rest.	Y Rot. Rest.	Z Rot. Rest.
RohnAaS	Tri-Symmetry	RohnAP	RohnBP	0.25	0	Free	Free	Free	Free	Free	Free
RohnAbS	Tri-Symmetry	RohnAP	RohnBP	0.5	0	Free	Free	Free	Free	Free	Free
RohnAcS	Tri-Symmetry	RohnAP	RohnBP	0.75	0	Free	Free	Free	Free	Free	Free
RohnBaS	Tri-Symmetry	RohnBP	RohnCP	0.25	0	Free	Free	Free	Free	Free	Free
RohnBbS	Tri-Symmetry	RohnBP	RohnCP	0.5	0	Free	Free	Free	Free	Free	Free
RohnBcS	Tri-Symmetry	RohnBP	RohnCP	0.75	0	Free	Free	Free	Free	Free	Free
RohnCaS	Tri-Symmetry	RohnCP	RohnDP	0.333	0	Free	Free	Free	Free	Free	Free
RohnCbS	Tri-Symmetry	RohnCP	RohnDP	0.667	0	Free	Free	Free	Free	Free	Free
RohnDaS	Tri-Symmetry	RohnDP	RohnEP	0.333	0	Free	Free	Free	Free	Free	Free
RohnDbS	Tri-Symmetry	RohnDP	RohnEP	0.667	0	Free	Free	Free	Free	Free	Free
RohnEaS	Tri-Symmetry	RohnEP	RohnFP	0.333	0	Free	Free	Free	Free	Free	Free
RohnEbS	Tri-Symmetry	RohnEP	RohnFP	0.667	0	Free	Free	Free	Free	Free	Free
RohnFaS	Tri-Symmetry	RohnFP	RohnGP	0.5	0	Free	Free	Free	Free	Free	Free
RohnGaS	Tri-Symmetry	RohnGP	RohnHP	0.5	0	Free	Free	Free	Free	Free	Free
RohnHaS	Tri-Symmetry	RohnHP	RohnIP	0.5	0	Free	Free	Free	Free	Free	Free
RohnIaS	Tri-Symmetry	RohnIP	RohnJP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-AaS	Tri-Symmetry	SNB-AP	SNB-BP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-AbS	Tri-Symmetry	SNB-AP	SNB-BP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-AcS	Tri-Symmetry	SNB-AP	SNB-BP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-BaS	Tri-Symmetry	SNB-BP	SNB-CP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-BbS	Tri-Symmetry	SNB-BP	SNB-CP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-BcS	Tri-Symmetry	SNB-BP	SNB-CP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-CaS	Tri-Symmetry	SNB-CP	SNB-DP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-CbS	Tri-Symmetry	SNB-CP	SNB-DP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-DaS	Tri-Symmetry	SNB-DP	SNB-EP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-DbS	Tri-Symmetry	SNB-DP	SNB-EP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-EaS	Tri-Symmetry	SNB-EP	SNB-FP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-EbS	Tri-Symmetry	SNB-EP	SNB-FP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-FaS	Tri-Symmetry	SNB-FP	SNB-GP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-GaS	Tri-Symmetry	SNB-GP	SNB-HP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-HaS	Tri-Symmetry	SNB-HP	SNB-IP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-IaS	Tri-Symmetry	SNB-IP	SNB-JP	0.5	0	Free	Free	Free	Free	Free	Free
RohnAa1	Tri-Gen 1	RohnAP	RohnBP	0.25	0	Free	Free	Free	Free	Free	Free
RohnAa2	Tri-Gen 2	RohnAP	RohnBP	0.25	0	Free	Free	Free	Free	Free	Free
RohnAb1	Tri-Gen 1	RohnAP	RohnBP	0.5	0	Free	Free	Free	Free	Free	Free
RohnAb2	Tri-Gen 2	RohnAP	RohnBP	0.5	0	Free	Free	Free	Free	Free	Free
RohnAc1	Tri-Gen 1	RohnAP	RohnBP	0.75	0	Free	Free	Free	Free	Free	Free
RohnAc2	Tri-Gen 2	RohnAP	RohnBP	0.75	0	Free	Free	Free	Free	Free	Free
RohnBa1	Tri-Gen 1	RohnBP	RohnCP	0.25	0	Free	Free	Free	Free	Free	Free
RohnBa2	Tri-Gen 2	RohnBP	RohnCP	0.25	0	Free	Free	Free	Free	Free	Free
RohnBb1	Tri-Gen 1	RohnBP	RohnCP	0.5	0	Free	Free	Free	Free	Free	Free
RohnBb2	Tri-Gen 2	RohnBP	RohnCP	0.5	0	Free	Free	Free	Free	Free	Free
RohnBc1	Tri-Gen 1	RohnBP	RohnCP	0.75	0	Free	Free	Free	Free	Free	Free
RohnBc2	Tri-Gen 2	RohnBP	RohnCP	0.75	0	Free	Free	Free	Free	Free	Free
RohnCa1	Tri-Gen 1	RohnCP	RohnDP	0.333	0	Free	Free	Free	Free	Free	Free
RohnCa2	Tri-Gen 2	RohnCP	RohnDP	0.333	0	Free	Free	Free	Free	Free	Free
RohnCb1	Tri-Gen 1	RohnCP	RohnDP	0.667	0	Free	Free	Free	Free	Free	Free
RohnCb2	Tri-Gen 2	RohnCP	RohnDP	0.667	0	Free	Free	Free	Free	Free	Free
RohnDa1	Tri-Gen 1	RohnDP	RohnEP	0.333	0	Free	Free	Free	Free	Free	Free
RohnDa2	Tri-Gen 2	RohnDP	RohnEP	0.333	0	Free	Free	Free	Free	Free	Free
RohnDb1	Tri-Gen 1	RohnDP	RohnEP	0.667	0	Free	Free	Free	Free	Free	Free
RohnDb2	Tri-Gen 2	RohnDP	RohnEP	0.667	0	Free	Free	Free	Free	Free	Free
RohnEa1	Tri-Gen 1	RohnEP	RohnFP	0.333	0	Free	Free	Free	Free	Free	Free
RohnEa2	Tri-Gen 2	RohnEP	RohnFP	0.333	0	Free	Free	Free	Free	Free	Free
RohnEb1	Tri-Gen 1	RohnEP	RohnFP	0.667	0	Free	Free	Free	Free	Free	Free
RohnEb2	Tri-Gen 2	RohnEP	RohnFP	0.667	0	Free	Free	Free	Free	Free	Free

RohnFa1	Tri-Gen	1	RohnFP	RohnGP	0.5	0	Free	Free	Free	Free	Free	Free
RohnFa2	Tri-Gen	2	RohnFP	RohnGP	0.5	0	Free	Free	Free	Free	Free	Free
RohnGa1	Tri-Gen	1	RohnGP	RohnHP	0.5	0	Free	Free	Free	Free	Free	Free
RohnGa2	Tri-Gen	2	RohnGP	RohnHP	0.5	0	Free	Free	Free	Free	Free	Free
RohnHa1	Tri-Gen	1	RohnHP	RohnIP	0.5	0	Free	Free	Free	Free	Free	Free
RohnHa2	Tri-Gen	2	RohnHP	RohnIP	0.5	0	Free	Free	Free	Free	Free	Free
RohnIa1	Tri-Gen	1	RohnIP	RohnJP	0.5	0	Free	Free	Free	Free	Free	Free
RohnIa2	Tri-Gen	2	RohnIP	RohnJP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Aa1	Tri-Gen	1	SNB-AP	SNB-BP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Aa2	Tri-Gen	2	SNB-AP	SNB-BP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Ab1	Tri-Gen	1	SNB-AP	SNB-BP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ab2	Tri-Gen	2	SNB-AP	SNB-BP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ac1	Tri-Gen	1	SNB-AP	SNB-BP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Ac2	Tri-Gen	2	SNB-AP	SNB-BP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Ba1	Tri-Gen	1	SNB-BP	SNB-CP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Ba2	Tri-Gen	2	SNB-BP	SNB-CP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Bb1	Tri-Gen	1	SNB-BP	SNB-CP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Bb2	Tri-Gen	2	SNB-BP	SNB-CP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Bc1	Tri-Gen	1	SNB-BP	SNB-CP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Bc2	Tri-Gen	2	SNB-BP	SNB-CP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Ca1	Tri-Gen	1	SNB-CP	SNB-DP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Ca2	Tri-Gen	2	SNB-CP	SNB-DP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Cb1	Tri-Gen	1	SNB-CP	SNB-DP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Cb2	Tri-Gen	2	SNB-CP	SNB-DP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Da1	Tri-Gen	1	SNB-DP	SNB-EP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Da2	Tri-Gen	2	SNB-DP	SNB-EP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Db1	Tri-Gen	1	SNB-DP	SNB-EP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Db2	Tri-Gen	2	SNB-DP	SNB-EP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Ea1	Tri-Gen	1	SNB-EP	SNB-FP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Ea2	Tri-Gen	2	SNB-EP	SNB-FP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Eb1	Tri-Gen	1	SNB-EP	SNB-FP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Eb2	Tri-Gen	2	SNB-EP	SNB-FP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Fa1	Tri-Gen	1	SNB-FP	SNB-GP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Fa2	Tri-Gen	2	SNB-FP	SNB-GP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ga1	Tri-Gen	1	SNB-GP	SNB-HP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ga2	Tri-Gen	2	SNB-GP	SNB-HP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ha1	Tri-Gen	1	SNB-HP	SNB-IP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ha2	Tri-Gen	2	SNB-HP	SNB-IP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ia1	Tri-Gen	1	SNB-IP	SNB-JP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ia2	Tri-Gen	2	SNB-IP	SNB-JP	0.5	0	Free	Free	Free	Free	Free	Free

The model contains 60 primary and 96 secondary joints for a total of 156 joints.

Steel Material Properties:

Steel Material Label	Modulus of Elasticity (ksi)	Yield Stress Fy (ksi)	Ultimate Stress All. Fu (ksi)	Member Stress All. Hyp. 1 (ksi)	Member Stress All. Hyp. 2 (ksi)	Member Rupture Hyp. 1 (ksi)	Member Rupture Hyp. 2 (ksi)	Member Bearing Hyp. 1 (ksi)	Member Bearing Hyp. 2 (ksi)
A 36	2.9e+004	36	58	0	0	0	0	0	0
A572-50	2.9e+004	50	65	0	0	0	0	0	0

Bolt Properties:

Bolt Label	Bolt Diameter (in)	Hole Diameter (in)	Ultimate Shear Capacity (kips)	Default End Distance (in)	Default Bolt Spacing (in)	Shear Capacity Hyp. 1 (kips)	Shear Capacity Hyp. 2 (kips)
5/8 A325-N	0.625	0.6875	27	1.125	1.5	0	0
3/4 A325-N	0.75	0.8125	40	1.35	1.8	0	0

Number Bolts Used By Type:

Bolt Type	Number Bolts
5/8 A325-N	240
3/4 A325-N	60

Angle Properties:

Angle Type	Angle Size	Long Leg (in)	Short Leg (in)	Thick. (in)	Unit Weight (lbs/ft)	Gross Area (in^2)	w/t Ratio	Radius of Gyration Rx (in)	Radius of Gyration Ry (in)	Radius of Gyration Rz (in)	Number of Angles	Wind Width (in)	Short Edge Dist. (in)	Long Edge Dist. (in)	Optimize Cost Factor	Section Modulus (in^3)
SAE	5X5X0.625	5	5	0.625	20	5.86	6.2	1.52	1.52	0.978	1	5	2.5	0	1.0000	0

SAE	4X4X0.625	4	4	0.625	15.7	4.61	4.8	1.2	1.2	0.779	1	4	2	0	1.0000	0
SAE	4X4X0.5	4	4	0.5	12.8	3.75	6.25	1.22	1.22	0.782	1	4	2	0	1.0000	0
SAE	4X4X0.25	4	4	0.25	6.6	1.94	13.5	1.25	1.25	0.795	1	4	2	0	1.0000	0
SAE	3.5X3.5X0.25	3.5	3.5	0.25	5.8	1.69	11.5	1.09	1.09	0.694	1	3.5	1.75	0	1.0000	0
SAE	3X3X0.5	3	3	0.5	9.4	2.75	4.38	0.898	0.898	0.584	1	3	1.5	0	1.0000	0
SAE	3X3X0.25	3	3	0.25	4.9	1.44	9.75	0.93	0.93	0.592	1	3	1.5	0	1.0000	0
SAE	2.5X2.5X0.3125	2.5	2.5	0.3125	5	1.46	6	0.761	0.761	0.489	1	2.5	1.25	0	1.0000	0
SAE	2.5X2.5X0.25	2.5	2.5	0.25	4.1	1.19	7.75	0.769	0.769	0.491	1	2.5	1.25	0	1.0000	0
SAE	2.5X2.5X0.1875	2.5	2.5	0.1875	3.07	0.902	10.67	0.778	0.778	0.495	1	2.5	1.25	0	1.0000	0
SAE	2X2X0.375	2	2	0.375	4.7	1.36	3	0.594	0.594	0.389	1	2	1	0	1.0000	0
SAE	2X2X0.3125	2	2	0.3125	3.92	1.15	3.8	0.601	0.601	0.39	1	2	1	0	1.0000	0
SAE	2X2X0.25	2	2	0.25	3.19	0.94	5	0.609	0.609	0.391	1	2	1	0	1.0000	0
SAE	2X2X0.1875	2	2	0.1875	2.44	0.71	8	0.617	0.617	0.394	1	2	1	0	1.0000	0
SAE	1.75X1.75X0.1875	1.75	1.75	0.1875	2.12	0.62	6	0.537	0.537	0.343	1	1.75	0.875	0	1.0000	0
BIG	0.1X0.1X1	0.1	0.1	1	0	800	2.17	9.99	9.99	9.99	1	0.1	0.05	0	1.0000	0
Pipe	Pipe3EH	3.5	2.9	0	10.3	2.83	1	1.14	1.14	1.14	1	0	0	0	0.0000	0
Pipe	Pipe4EH	4.5	3.826	0	15	4.14	1	1.48	1.48	1.48	1	0	0	0	0.0000	0
Pipe	Pipe5STD	5.563	5.047	0	14.6	4.03	1	1.88	1.88	1.88	1	0	0	0	0.0000	0
Pipe	Pipe5EH	5.563	4.813	0	20.8	5.72	1	1.85	1.85	1.85	1	0	0	0	0.0000	0
Pipe	Pipe6EH	6.625	5.761	0	28.6	7.88	1	2.2	2.2	2.2	1	0	0	0	0.0000	0
Pipe	Pipe8EHS	8.625	8	0	35.78	9.86	1	2.96	2.96	2.96	1	0	0	0	0.0000	0
Pipe	Pipe3.5EH	4	3.364	0	12.5	3.44	1	1.31	1.31	1.31	1	0	0	0	0.0000	0
Pipe	Pipe6EHS	6.625	5.96	0	24.38	6.71	1	2.22	2.22	2.22	1	0	0	0	0.0000	0
Pipe	P3-437	3.5	2.626	0	15	4.2	1	1.09	1.09	1.09	1	0	0	0	0.0000	0
Pipe	P4-494	4.5	3.512	0	21.4	6.21	1	1.42	1.42	1.42	1	0	0	0	0.0000	0
Pipe	P6-562	6.625	5.5	0	36.6	10.7	1	2.15	2.15	2.15	1	0	0	0	0.0000	0
Pipe	Pipe8XS	8.625	7.625	0	43.39	12.8	1	2.88	2.88	2.88	1	0	0	0	0.0000	0
Pipe	Pipe10XS	10.75	9.75	0	54.74	16.1	1	3.63	3.63	3.63	1	0	0	0	0.0000	0
Pipe	P3-425	3.5	2.65	0	15	4.105	1	1.097	1.097	1.097	1	0	0	0	0.0000	0

Angle Groups:

Group Label	Group Description	Angle Type	Angle Size	Material Type	Element Type	Group Type	Optimize Group	Allow. Add. Angle Width For Optimize (in)
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	A 36	Truss	Other	None	0.000
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	A 36	Truss	Other	None	0.000
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	A 36	Truss	Other	None	0.000
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	A 36	Truss	Other	None	0.000
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	A572-50	Truss	Other	None	0.000
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	A572-50	Truss	Other	None	0.000
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	A572-50	Truss	Other	None	0.000
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	A572-50		Leg	None	0.000
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	A572-50		Leg	None	0.000
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	A572-50		Leg	None	0.000
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	A572-50		Leg	None	0.000
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	A572-50		Leg	None	0.000
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	A572-50		Leg	None	0.000
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	A572-50		Leg	None	0.000
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	A572-50		Leg	None	0.000
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	A 36		Other	None	0.000
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	A 36	Truss	Other	None	0.000
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	A 36	Truss	Other	None	0.000
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	A 36	Truss	Other	None	0.000
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	A 36	Truss	Other	None	0.000
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	A 36	Truss	Other	None	0.000
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	A 36	Truss	Other	None	0.000
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	A 36	Truss	Other	None	0.000
SNB-L1	SNB Leg 1	Pipe	P3-437	A 36		Leg	None	0.000
SNB-L2	SNB Leg 2	Pipe	P4-494	A 36		Leg	None	0.000
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	A 36		Leg	None	0.000
SNB-L4	SNB Leg 4	Pipe	P6-562	A 36		Leg	None	0.000
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	A 36		Leg	None	0.000
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	A 36		Leg	None	0.000
Connect	Connect Towers	BIG	0.1X0.1X1	A 36		Other	None	0.000
SNB-H1	SNB Horizontal 1	Pipe	P3-425	A 36		Other	None	0.000
SNB-H2	SNB Horizontal 2	Pipe	P4-494	A 36		Other	None	0.000
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	A 36	Truss	Other	None	0.000

Aggregate Angle Information:

Note: Estimate of surface area reported for painting purposes, not wind loading.

Angle Type	Angle Size	Material Type	Total Length (ft)	Total Surface Area (ft^2)	Total Weight (lbs)

SAE	1.75X1.75X0.1875	A 36	279.43	163.00	592.39
SAE	2X2X0.1875	A 36	191.38	127.59	466.96
SAE	2X2X0.375	A 36	67.43	44.95	316.92
SAE	2.5X2.5X0.1875	A 36	230.26	191.89	706.91
SAE	2.5X2.5X0.25	A 36	251.49	209.58	1031.12
SAE	3X3X0.25	A572-50	273.29	273.29	1339.11
SAE	3.5X3.5X0.25	A572-50	446.54	520.96	2589.91
SAE	4X4X0.25	A572-50	902.96	670.61	3319.52
Pipe	Pipe3EH	A572-50	60.05	64.05	618.48
Pipe	Pipe3.5EH	A572-50	60.05	73.70	750.58
Pipe	Pipe4EH	A572-50	60.05	83.32	900.69
Pipe	Pipe5STD	A572-50	60.05	106.18	876.68
Pipe	Pipe5EH	A572-50	60.05	103.84	1248.97
Pipe	Pipe6EHS	A572-50	60.05	125.95	1463.93
Pipe	Pipe6EH	A572-50	120.09	247.91	3434.66
Pipe	Pipe8EHS	A572-50	60.05	166.38	2148.47
SAE	2X2X0.3125	A 36	165.23	110.15	647.69
SAE	2X2X0.25	A 36	189.16	126.11	603.43
SAE	2.5X2.5X0.3125	A 36	478.99	315.82	1894.94
SAE	3X3X0.5	A 36	219.00	219.00	2058.63
SAE	4X4X0.5	A 36	183.26	244.34	2345.69
SAE	4X4X0.625	A 36	404.95	539.94	6357.75
SAE	5X5X0.625	A 36	222.64	371.07	4452.86
Pipe	P3-437	A 36	60.05	61.31	900.70
Pipe	P4-494	A 36	303.38	405.11	6492.26
Pipe	Pipe5EH	A 36	60.05	103.84	1248.96
Pipe	P6-562	A 36	120.09	242.69	4395.40
Pipe	Pipe8XS	A 36	120.09	325.25	5210.82
Pipe	Pipe10XS	A 36	60.05	205.16	3286.94
BIG	0.1X0.1X1	A 36	150.03	5.00	0.00
Pipe	P3-425	A 36	73.04	74.87	1095.63

Sections:
The adjustment factors below only apply to dead load and wind areas that are calculated for members in the model.
They do not apply to equipment or to manually input dead load and drag areas.

Section Label	Joint Defining Section Bottom	Dead Load Adjust. Factor	Transverse Drag x Area Factor For Face	Longitudinal Drag x Area Factor For Face	Transverse Area Factor (CD From Code)	Longitudinal Area Factor (CD From Code)	Af Flat Factor For Face EIA Only	Ar Round Factor For Face EIA Only	Transverse Drag x Area Factor For All	Longitudinal Drag x Area Factor For All	SAPS Angle Drag x Area Factor	SAPS Round Drag x Area Factor	Force Solid Face
A	RohnBP	1.000	0.000	0.000	0.000	0.000	0.900	0.900	0.000	0.000	0.000	0.000	None
B	RohnCP	1.000	0.000	0.000	0.000	0.000	0.900	0.900	0.000	0.000	0.000	0.000	None
C	RohnDP	1.000	0.000	0.000	0.000	0.000	0.900	0.900	0.000	0.000	0.000	0.000	None
D	RohnEP	1.000	0.000	0.000	0.000	0.000	0.900	0.900	0.000	0.000	0.000	0.000	None
E	RohnFP	1.000	0.000	0.000	0.000	0.000	0.900	0.900	0.000	0.000	0.000	0.000	None
F	RohnGP	1.000	0.000	0.000	0.000	0.000	0.900	0.900	0.000	0.000	0.000	0.000	None
G	RohnHP	1.000	0.000	0.000	0.000	0.000	0.900	0.900	0.000	0.000	0.000	0.000	None
H	RohnIP	1.000	0.000	0.000	0.000	0.000	0.900	0.900	0.000	0.000	0.000	0.000	None
I	RohnJP	1.000	0.000	0.000	0.000	0.000	0.900	0.900	0.000	0.000	0.000	0.000	None

Angle Member Connectivity:

Member Label	Group Label	Section Label	Symmetry Code	Origin Joint	End Joint	Ecc. Code	Rest. Code	Ratio RLX	Ratio RLY	Ratio RLZ	Bolt Type	# Bolts	# Holt Holes	# Shear Planes	Connect Leg	Short Edge Dist. (in)	Long Edge Dist. (in)	End Dist. (in)	Bolt Spacing (in)	Rest. Coef.
Rohn-DA1P	Rohn-D1		Tri-Symmetry	RohnAP	RohnAa1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA11	Rohn-D1		Tri-Gen 1	RohnA1	RohnAa2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA12	Rohn-D1		Tri-Gen 2	RohnA2	RohnAaS	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA2P	Rohn-D1		Tri-Symmetry	RohnAP	RohnAa2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA21	Rohn-D1		Tri-Gen 1	RohnA1	RohnAaS	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA22	Rohn-D1		Tri-Gen 2	RohnA2	RohnAa1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA3P	Rohn-D1		Tri-Symmetry	RohnAaS	RohnAb1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA31	Rohn-D1		Tri-Gen 1	RohnAa1	RohnAb2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA32	Rohn-D1		Tri-Gen 2	RohnAa2	RohnAbS	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA4P	Rohn-D1		Tri-Symmetry	RohnAaS	RohnAb2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA41	Rohn-D1		Tri-Gen 1	RohnAa1	RohnAbS	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA42	Rohn-D1		Tri-Gen 2	RohnAa2	RohnAb1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA5P	Rohn-D1		Tri-Symmetry	RohnAbS	RohnAc1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA51	Rohn-D1		Tri-Gen 1	RohnAb1	RohnAc2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA52	Rohn-D1		Tri-Gen 2	RohnAb2	RohnAcS	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA6P	Rohn-D1		Tri-Symmetry	RohnAbS	RohnAc2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA61	Rohn-D1		Tri-Gen 1	RohnAb1	RohnAcS	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA62	Rohn-D1		Tri-Gen 2	RohnAb2	RohnAc1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA7P	Rohn-D1		Tri-Symmetry	RohnAcS	RohnB2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA71	Rohn-D1		Tri-Gen 1	RohnAc1	RohnBP	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA72	Rohn-D1		Tri-Gen 2	RohnAc2	RohnB1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA8P	Rohn-D1		Tri-Symmetry	RohnAcS	RohnB1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0

Rohn-DA81	Rohn-D1	Tri-Gen 1	RohnAc1	RohnB2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA82	Rohn-D1	Tri-Gen 2	RohnAc2	RohnBP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB1P	Rohn-D2	Tri-Symmetry	RohnBP	RohnBa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB11	Rohn-D2	Tri-Gen 1	RohnB1	RohnBa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB12	Rohn-D2	Tri-Gen 2	RohnB2	RohnBaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB2P	Rohn-D2	Tri-Symmetry	RohnBP	RohnBa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB21	Rohn-D2	Tri-Gen 1	RohnB1	RohnBaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB22	Rohn-D2	Tri-Gen 2	RohnB2	RohnBa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB3P	Rohn-D2	Tri-Symmetry	RohnBaS	RohnBb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB31	Rohn-D2	Tri-Gen 1	RohnBa1	RohnBb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB32	Rohn-D2	Tri-Gen 2	RohnBa2	RohnBbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB4P	Rohn-D2	Tri-Symmetry	RohnBaS	RohnBb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB41	Rohn-D2	Tri-Gen 1	RohnBa1	RohnBbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB42	Rohn-D2	Tri-Gen 2	RohnBa2	RohnBb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB5P	Rohn-D2	Tri-Symmetry	RohnBbS	RohnBc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB51	Rohn-D2	Tri-Gen 1	RohnBb1	RohnBc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB52	Rohn-D2	Tri-Gen 2	RohnBb2	RohnBcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB6P	Rohn-D2	Tri-Symmetry	RohnBbS	RohnBc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB61	Rohn-D2	Tri-Gen 1	RohnBb1	RohnBcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB62	Rohn-D2	Tri-Gen 2	RohnBb2	RohnBc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB7P	Rohn-D8	Tri-Symmetry	RohnBcS	RohnC1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB71	Rohn-D8	Tri-Gen 1	RohnBc1	RohnC2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB72	Rohn-D8	Tri-Gen 2	RohnBc2	RohnCP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB8P	Rohn-D8	Tri-Symmetry	RohnBcS	RohnC2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB81	Rohn-D8	Tri-Gen 1	RohnBc1	RohnCP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB82	Rohn-D8	Tri-Gen 2	RohnBc2	RohnC1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC1P	Rohn-D3	Tri-Symmetry	RohnCP	RohnCa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC11	Rohn-D3	Tri-Gen 1	RohnC1	RohnCa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC12	Rohn-D3	Tri-Gen 2	RohnC2	RohnCaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC2P	Rohn-D3	Tri-Symmetry	RohnCP	RohnCa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC21	Rohn-D3	Tri-Gen 1	RohnC1	RohnCaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC22	Rohn-D3	Tri-Gen 2	RohnC2	RohnCa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC3P	Rohn-D3	Tri-Symmetry	RohnCaS	RohnCb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC31	Rohn-D3	Tri-Gen 1	RohnCa1	RohnCb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC32	Rohn-D3	Tri-Gen 2	RohnCa2	RohnCbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC4P	Rohn-D3	Tri-Symmetry	RohnCaS	RohnCb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC41	Rohn-D3	Tri-Gen 1	RohnCa1	RohnCbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC42	Rohn-D3	Tri-Gen 2	RohnCa2	RohnCb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC5P	Rohn-D3	Tri-Symmetry	RohnCbS	RohnD1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC51	Rohn-D3	Tri-Gen 1	RohnCb1	RohnD2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC52	Rohn-D3	Tri-Gen 2	RohnCb2	RohnDP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC6P	Rohn-D3	Tri-Symmetry	RohnCbS	RohnD2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC61	Rohn-D3	Tri-Gen 1	RohnCb1	RohnDP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC62	Rohn-D3	Tri-Gen 2	RohnCb2	RohnD1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD1P	Rohn-D4	Tri-Symmetry	RohnDP	RohnDa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD11	Rohn-D4	Tri-Gen 1	RohnD1	RohnDa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD12	Rohn-D4	Tri-Gen 2	RohnD2	RohnDaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD2P	Rohn-D4	Tri-Symmetry	RohnDP	RohnDa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD21	Rohn-D4	Tri-Gen 1	RohnD1	RohnDaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD22	Rohn-D4	Tri-Gen 2	RohnD2	RohnDa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD3P	Rohn-D4	Tri-Symmetry	RohnDaS	RohnDb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD31	Rohn-D4	Tri-Gen 1	RohnDa1	RohnDb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD32	Rohn-D4	Tri-Gen 2	RohnDa2	RohnDbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD4P	Rohn-D4	Tri-Symmetry	RohnDaS	RohnDb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD41	Rohn-D4	Tri-Gen 1	RohnDa1	RohnDbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD42	Rohn-D4	Tri-Gen 2	RohnDa2	RohnDb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD5P	Rohn-D4	Tri-Symmetry	RohnDbS	RohnE1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD51	Rohn-D4	Tri-Gen 1	RohnDb1	RohnE2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD52	Rohn-D4	Tri-Gen 2	RohnDb2	RohnEP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD6P	Rohn-D4	Tri-Symmetry	RohnDbS	RohnE2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD61	Rohn-D4	Tri-Gen 1	RohnDb1	RohnEP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD62	Rohn-D4	Tri-Gen 2	RohnDb2	RohnE1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE1P	Rohn-D5	Tri-Symmetry	RohnEP	RohnEa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE11	Rohn-D5	Tri-Gen 1	RohnE1	RohnEa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE12	Rohn-D5	Tri-Gen 2	RohnE2	RohnEaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE2P	Rohn-D5	Tri-Symmetry	RohnEP	RohnEa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE21	Rohn-D5	Tri-Gen 1	RohnE1	RohnEaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE22	Rohn-D5	Tri-Gen 2	RohnE2	RohnEa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE3P	Rohn-D5	Tri-Symmetry	RohnEaS	RohnEb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE31	Rohn-D5	Tri-Gen 1	RohnEa1	RohnEb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE32	Rohn-D5	Tri-Gen 2	RohnEa2	RohnEbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE4P	Rohn-D5	Tri-Symmetry	RohnEaS	RohnEb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE41	Rohn-D5	Tri-Gen 1	RohnEa1	RohnEbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE42	Rohn-D5	Tri-Gen 2	RohnEa2	RohnEb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE5P	Rohn-D5	Tri-Symmetry	RohnEbS	RohnF1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE51	Rohn-D5	Tri-Gen 1	RohnEb1	RohnF2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE52	Rohn-D5	Tri-Gen 2	RohnEb2	RohnFP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE6P	Rohn-D5	Tri-Symmetry	RohnEbS	RohnF2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE61	Rohn-D5	Tri-Gen 1	RohnEb1	RohnFP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE62	Rohn-D5	Tri-Gen 2	RohnEb2	RohnF1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF1P	Rohn-D6	Tri-Symmetry	RohnFP	RohnFa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0

Rohn-DF11	Rohn-D6	Tri-Gen 1	RohnF1	RohnFa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF12	Rohn-D6	Tri-Gen 2	RohnF2	RohnFaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF2P	Rohn-D6	Tri-Symmetry	RohnFP	RohnFa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF21	Rohn-D6	Tri-Gen 1	RohnF1	RohnFaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF22	Rohn-D6	Tri-Gen 2	RohnF2	RohnFa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF3P	Rohn-D6	Tri-Symmetry	RohnFaS	RohnG1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF31	Rohn-D6	Tri-Gen 1	RohnFa1	RohnG2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF32	Rohn-D6	Tri-Gen 2	RohnFa2	RohnGP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF4P	Rohn-D6	Tri-Symmetry	RohnFaS	RohnG2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF41	Rohn-D6	Tri-Gen 1	RohnFa1	RohnGP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF42	Rohn-D6	Tri-Gen 2	RohnFa2	RohnG1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG1P	Rohn-D6	Tri-Symmetry	RohnGP	RohnGa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG11	Rohn-D6	Tri-Gen 1	RohnG1	RohnGa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG12	Rohn-D6	Tri-Gen 2	RohnG2	RohnGaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG2P	Rohn-D6	Tri-Symmetry	RohnGP	RohnGa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG21	Rohn-D6	Tri-Gen 1	RohnG1	RohnGaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG22	Rohn-D6	Tri-Gen 2	RohnG2	RohnGa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG3P	Rohn-D6	Tri-Symmetry	RohnGaS	RohnH1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG31	Rohn-D6	Tri-Gen 1	RohnGa1	RohnH2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG32	Rohn-D6	Tri-Gen 2	RohnGa2	RohnHP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG4P	Rohn-D6	Tri-Symmetry	RohnGaS	RohnH2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG41	Rohn-D6	Tri-Gen 1	RohnGa1	RohnHP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG42	Rohn-D6	Tri-Gen 2	RohnGa2	RohnH1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH1P	Rohn-D7	Tri-Symmetry	RohnHP	RohnHa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH11	Rohn-D7	Tri-Gen 1	RohnH1	RohnHa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH12	Rohn-D7	Tri-Gen 2	RohnH2	RohnHaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH2P	Rohn-D7	Tri-Symmetry	RohnHP	RohnHa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH21	Rohn-D7	Tri-Gen 1	RohnH1	RohnHaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH22	Rohn-D7	Tri-Gen 2	RohnH2	RohnHa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH3P	Rohn-D7	Tri-Symmetry	RohnHaS	RohnI1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH31	Rohn-D7	Tri-Gen 1	RohnHa1	RohnI2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH32	Rohn-D7	Tri-Gen 2	RohnHa2	RohnIP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH4P	Rohn-D7	Tri-Symmetry	RohnHaS	RohnI2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH41	Rohn-D7	Tri-Gen 1	RohnHa1	RohnIP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH42	Rohn-D7	Tri-Gen 2	RohnHa2	RohnI1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI1P	Rohn-D7	Tri-Symmetry	RohnIP	RohnIa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI11	Rohn-D7	Tri-Gen 1	RohnI1	RohnIa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI12	Rohn-D7	Tri-Gen 2	RohnI2	RohnIaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI2P	Rohn-D7	Tri-Symmetry	RohnIP	RohnIa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI21	Rohn-D7	Tri-Gen 1	RohnI1	RohnIaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI22	Rohn-D7	Tri-Gen 2	RohnI2	RohnIa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI3P	Rohn-D7	Tri-Symmetry	RohnIaS	RohnJ1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI31	Rohn-D7	Tri-Gen 1	RohnIa1	RohnJ2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI32	Rohn-D7	Tri-Gen 2	RohnIa2	RohnJP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI4P	Rohn-D7	Tri-Symmetry	RohnIaS	RohnJ2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI41	Rohn-D7	Tri-Gen 1	RohnIa1	RohnJP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI42	Rohn-D7	Tri-Gen 2	RohnIa2	RohnJ1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-LA1P	Rohn-L1	Tri-Symmetry	RohnAP	RohnAaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA11	Rohn-L1	Tri-Gen 1	RohnA1	RohnAa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA12	Rohn-L1	Tri-Gen 2	RohnA2	RohnAa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA2P	Rohn-L1	Tri-Symmetry	RohnAaS	RohnAbS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA21	Rohn-L1	Tri-Gen 1	RohnAa1	RohnAb1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA22	Rohn-L1	Tri-Gen 2	RohnAa2	RohnAb2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA3P	Rohn-L1	Tri-Symmetry	RohnAbS	RohnAcS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA31	Rohn-L1	Tri-Gen 1	RohnAb1	RohnAc1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA32	Rohn-L1	Tri-Gen 2	RohnAb2	RohnAc2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA4P	Rohn-L1	Tri-Symmetry	RohnAcS	RohnBP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA41	Rohn-L1	Tri-Gen 1	RohnAc1	RohnB1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA42	Rohn-L1	Tri-Gen 2	RohnAc2	RohnB2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB1P	Rohn-L2	Tri-Symmetry	RohnBP	RohnBaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB11	Rohn-L2	Tri-Gen 1	RohnB1	RohnBa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB12	Rohn-L2	Tri-Gen 2	RohnB2	RohnBa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB2P	Rohn-L2	Tri-Symmetry	RohnBaS	RohnBbS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB21	Rohn-L2	Tri-Gen 1	RohnBa1	RohnBb1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB22	Rohn-L2	Tri-Gen 2	RohnBa2	RohnBb2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB3P	Rohn-L2	Tri-Symmetry	RohnBbS	RohnBcS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB31	Rohn-L2	Tri-Gen 1	RohnBb1	RohnBc1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB32	Rohn-L2	Tri-Gen 2	RohnBb2	RohnBc2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB4P	Rohn-L2	Tri-Symmetry	RohnBcS	RohnCP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB41	Rohn-L2	Tri-Gen 1	RohnBc1	RohnC1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB42	Rohn-L2	Tri-Gen 2	RohnBc2	RohnC2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC1P	Rohn-L3	Tri-Symmetry	RohnCP	RohnCaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC11	Rohn-L3	Tri-Gen 1	RohnC1	RohnCa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC12	Rohn-L3	Tri-Gen 2	RohnC2	RohnCa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC2P	Rohn-L3	Tri-Symmetry	RohnCaS	RohnCbS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC21	Rohn-L3	Tri-Gen 1	RohnCa1	RohnCb1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC22	Rohn-L3	Tri-Gen 2	RohnCa2	RohnCb2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC3P	Rohn-L3	Tri-Symmetry	RohnCbS	RohnDP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC31	Rohn-L3	Tri-Gen 1	RohnCb1	RohnD1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC32	Rohn-L3	Tri-Gen 2	RohnCb2	RohnD2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD1P	Rohn-L4	Tri-Symmetry	RohnDP	RohnDaS	1	4	1	1	1			0	0	0		0	0	0	0	0

Rohn-LD11	Rohn-L4	Tri-Gen 1	RohnD1	RohnDa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD12	Rohn-L4	Tri-Gen 2	RohnD2	RohnDa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD2P	Rohn-L4	Tri-Symmetry	RohnDaS	RohnDbS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD21	Rohn-L4	Tri-Gen 1	RohnDa1	RohnDb1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD22	Rohn-L4	Tri-Gen 2	RohnDa2	RohnDb2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD3P	Rohn-L4	Tri-Symmetry	RohnDbS	RohnEP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD31	Rohn-L4	Tri-Gen 1	RohnDb1	RohnE1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD32	Rohn-L4	Tri-Gen 2	RohnDb2	RohnE2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE1P	Rohn-L5	Tri-Symmetry	RohnEP	RohnEaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE11	Rohn-L5	Tri-Gen 1	RohnE1	RohnEa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE12	Rohn-L5	Tri-Gen 2	RohnE2	RohnEa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE2P	Rohn-L5	Tri-Symmetry	RohnEaS	RohnEbS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE21	Rohn-L5	Tri-Gen 1	RohnEa1	RohnEb1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE22	Rohn-L5	Tri-Gen 2	RohnEa2	RohnEb2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE3P	Rohn-L5	Tri-Symmetry	RohnEbS	RohnFP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE31	Rohn-L5	Tri-Gen 1	RohnEb1	RohnF1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE32	Rohn-L5	Tri-Gen 2	RohnEb2	RohnF2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LF1P	Rohn-L6	Tri-Symmetry	RohnFP	RohnFaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LF11	Rohn-L6	Tri-Gen 1	RohnF1	RohnFa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LF12	Rohn-L6	Tri-Gen 2	RohnF2	RohnFa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LF2P	Rohn-L6	Tri-Symmetry	RohnFaS	RohnGP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LF21	Rohn-L6	Tri-Gen 1	RohnFa1	RohnG1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LF22	Rohn-L6	Tri-Gen 2	RohnFa2	RohnG2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG1P	Rohn-L7	Tri-Symmetry	RohnGP	RohnGaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG11	Rohn-L7	Tri-Gen 1	RohnG1	RohnGa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG12	Rohn-L7	Tri-Gen 2	RohnG2	RohnGa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG2P	Rohn-L7	Tri-Symmetry	RohnGaS	RohnHP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG21	Rohn-L7	Tri-Gen 1	RohnGa1	RohnH1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG22	Rohn-L7	Tri-Gen 2	RohnGa2	RohnH2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LH1P	Rohn-L7	Tri-Symmetry	RohnHP	RohnHaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LH11	Rohn-L7	Tri-Gen 1	RohnH1	RohnHa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LH12	Rohn-L7	Tri-Gen 2	RohnH2	RohnHa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LH2P	Rohn-L7	Tri-Symmetry	RohnHaS	RohnIP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LH21	Rohn-L7	Tri-Gen 1	RohnHa1	RohnI1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LH22	Rohn-L7	Tri-Gen 2	RohnHa2	RohnI2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI1P	Rohn-L8	Tri-Symmetry	RohnIP	RohnIaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI11	Rohn-L8	Tri-Gen 1	RohnI1	RohnIa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI12	Rohn-L8	Tri-Gen 2	RohnI2	RohnIa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI2P	Rohn-L8	Tri-Symmetry	RohnIaS	RohnJP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI21	Rohn-L8	Tri-Gen 1	RohnIa1	RohnJ1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI22	Rohn-L8	Tri-Gen 2	RohnIa2	RohnJ2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-H1P	Rohn-H1	Tri-Symmetry	RohnAP	RohnA1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H11	Rohn-H1	Tri-Gen 1	RohnA1	RohnA2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H12	Rohn-H1	Tri-Gen 2	RohnA2	RohnAP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H2P	Rohn-H1	Tri-Symmetry	RohnBP	RohnB1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H21	Rohn-H1	Tri-Gen 1	RohnB1	RohnB2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H22	Rohn-H1	Tri-Gen 2	RohnB2	RohnBP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
SNB-DA1P	SNB-D1	Tri-Symmetry	SNB-AP	SNB-Aa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA11	SNB-D1	Tri-Gen 1	SNB-A1	SNB-Aa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA12	SNB-D1	Tri-Gen 2	SNB-A2	SNB-AaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA2P	SNB-D1	Tri-Symmetry	SNB-AP	SNB-Aa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA21	SNB-D1	Tri-Gen 1	SNB-A1	SNB-AaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA22	SNB-D1	Tri-Gen 2	SNB-A2	SNB-Aa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA3P	SNB-D1	Tri-Symmetry	SNB-AaS	SNB-Ab1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA31	SNB-D1	Tri-Gen 1	SNB-Aa1	SNB-Ab2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA32	SNB-D1	Tri-Gen 2	SNB-Aa2	SNB-AbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA4P	SNB-D1	Tri-Symmetry	SNB-AaS	SNB-Ab2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA41	SNB-D1	Tri-Gen 1	SNB-Aa1	SNB-AbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA42	SNB-D1	Tri-Gen 2	SNB-Aa2	SNB-Ab1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA5P	SNB-D1	Tri-Symmetry	SNB-AbS	SNB-Ac1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA51	SNB-D1	Tri-Gen 1	SNB-Ab1	SNB-Ac2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA52	SNB-D1	Tri-Gen 2	SNB-Ab2	SNB-AcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA6P	SNB-D1	Tri-Symmetry	SNB-AbS	SNB-Ac2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA61	SNB-D1	Tri-Gen 1	SNB-Ab1	SNB-AcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA62	SNB-D1	Tri-Gen 2	SNB-Ab2	SNB-Ac1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA7P	SNB-D1	Tri-Symmetry	SNB-AcS	SNB-B1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA71	SNB-D1	Tri-Gen 1	SNB-Ac1	SNB-B2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA72	SNB-D1	Tri-Gen 2	SNB-Ac2	SNB-BP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA8P	SNB-D1	Tri-Symmetry	SNB-AcS	SNB-B2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA81	SNB-D1	Tri-Gen 1	SNB-Ac1	SNB-BP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA82	SNB-D1	Tri-Gen 2	SNB-Ac2	SNB-B1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB1P	SNB-D2	Tri-Symmetry	SNB-BP	SNB-Ba1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB11	SNB-D2	Tri-Gen 1	SNB-B1	SNB-Ba2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB12	SNB-D2	Tri-Gen 2	SNB-B2	SNB-BaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB2P	SNB-D2	Tri-Symmetry	SNB-BP	SNB-Ba2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB21	SNB-D2	Tri-Gen 1	SNB-B1	SNB-BaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB22	SNB-D2	Tri-Gen 2	SNB-B2	SNB-Ba1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB3P	SNB-D2	Tri-Symmetry	SNB-BaS	SNB-Bb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB31	SNB-D2	Tri-Gen 1	SNB-Ba1	SNB-Bb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB32	SNB-D2	Tri-Gen 2	SNB-Ba2	SNB-BbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB4P	SNB-D2	Tri-Symmetry	SNB-BaS	SNB-Bb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0

SNB-DB41	SNB-D2	Tri-Gen 1	SNB-Ba1	SNB-BbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB42	SNB-D2	Tri-Gen 2	SNB-Ba2	SNB-Bb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB5P	SNB-D2	Tri-Symmetry	SNB-BbS	SNB-Bc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB51	SNB-D2	Tri-Gen 1	SNB-Bb1	SNB-Bc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB52	SNB-D2	Tri-Gen 2	SNB-Bb2	SNB-BcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB6P	SNB-D2	Tri-Symmetry	SNB-BbS	SNB-Bc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB61	SNB-D2	Tri-Gen 1	SNB-Bb1	SNB-BcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB62	SNB-D2	Tri-Gen 2	SNB-Bb2	SNB-Bc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB7P	SNB-D2	Tri-Symmetry	SNB-BcS	SNB-C1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB71	SNB-D2	Tri-Gen 1	SNB-Bc1	SNB-C2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB72	SNB-D2	Tri-Gen 2	SNB-Bc2	SNB-CP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB8P	SNB-D2	Tri-Symmetry	SNB-BcS	SNB-C2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB81	SNB-D2	Tri-Gen 1	SNB-Bc1	SNB-CP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB82	SNB-D2	Tri-Gen 2	SNB-Bc2	SNB-C1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC1P	SNB-D3	Tri-Symmetry	SNB-CP	SNB-Ca1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC11	SNB-D3	Tri-Gen 1	SNB-C1	SNB-Ca2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC12	SNB-D3	Tri-Gen 2	SNB-C2	SNB-CaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC2P	SNB-D3	Tri-Symmetry	SNB-CP	SNB-Ca2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC21	SNB-D3	Tri-Gen 1	SNB-C1	SNB-CaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC22	SNB-D3	Tri-Gen 2	SNB-C2	SNB-Ca1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC3P	SNB-D3	Tri-Symmetry	SNB-CaS	SNB-Cb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC31	SNB-D3	Tri-Gen 1	SNB-Ca1	SNB-Cb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC32	SNB-D3	Tri-Gen 2	SNB-Ca2	SNB-CbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC4P	SNB-D3	Tri-Symmetry	SNB-CaS	SNB-Cb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC41	SNB-D3	Tri-Gen 1	SNB-Ca1	SNB-CbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC42	SNB-D3	Tri-Gen 2	SNB-Ca2	SNB-Cb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC5P	SNB-D3	Tri-Symmetry	SNB-CbS	SNB-D1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC51	SNB-D3	Tri-Gen 1	SNB-Cb1	SNB-D2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC52	SNB-D3	Tri-Gen 2	SNB-Cb2	SNB-DP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC6P	SNB-D3	Tri-Symmetry	SNB-CbS	SNB-D2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC61	SNB-D3	Tri-Gen 1	SNB-Cb1	SNB-DP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DC62	SNB-D3	Tri-Gen 2	SNB-Cb2	SNB-D1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD1P	SNB-D3	Tri-Symmetry	SNB-DP	SNB-Da1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD11	SNB-D3	Tri-Gen 1	SNB-D1	SNB-Da2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD12	SNB-D3	Tri-Gen 2	SNB-D2	SNB-DaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD2P	SNB-D3	Tri-Symmetry	SNB-DP	SNB-Da2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD21	SNB-D3	Tri-Gen 1	SNB-D1	SNB-DaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD22	SNB-D3	Tri-Gen 2	SNB-D2	SNB-Da1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD3P	SNB-D3	Tri-Symmetry	SNB-DaS	SNB-Db1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD31	SNB-D3	Tri-Gen 1	SNB-Da1	SNB-Db2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD32	SNB-D3	Tri-Gen 2	SNB-Da2	SNB-DbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD4P	SNB-D3	Tri-Symmetry	SNB-DaS	SNB-Db2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD41	SNB-D3	Tri-Gen 1	SNB-Da1	SNB-DbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD42	SNB-D3	Tri-Gen 2	SNB-Da2	SNB-Db1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD5P	SNB-D3	Tri-Symmetry	SNB-DbS	SNB-E1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD51	SNB-D3	Tri-Gen 1	SNB-Db1	SNB-E2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD52	SNB-D3	Tri-Gen 2	SNB-Db2	SNB-EP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD6P	SNB-D3	Tri-Symmetry	SNB-DbS	SNB-E2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD61	SNB-D3	Tri-Gen 1	SNB-Db1	SNB-EP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DD62	SNB-D3	Tri-Gen 2	SNB-Db2	SNB-E1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE1P	SNB-D4	Tri-Symmetry	SNB-EP	SNB-Ea1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE11	SNB-D4	Tri-Gen 1	SNB-E1	SNB-Ea2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE12	SNB-D4	Tri-Gen 2	SNB-E2	SNB-EaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE2P	SNB-D4	Tri-Symmetry	SNB-EP	SNB-Ea2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE21	SNB-D4	Tri-Gen 1	SNB-E1	SNB-EaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE22	SNB-D4	Tri-Gen 2	SNB-E2	SNB-Ea1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE3P	SNB-D4	Tri-Symmetry	SNB-EaS	SNB-Eb1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE31	SNB-D4	Tri-Gen 1	SNB-Ea1	SNB-Eb2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE32	SNB-D4	Tri-Gen 2	SNB-Ea2	SNB-EbS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE4P	SNB-D4	Tri-Symmetry	SNB-EaS	SNB-Eb2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE41	SNB-D4	Tri-Gen 1	SNB-Ea1	SNB-EbS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE42	SNB-D4	Tri-Gen 2	SNB-Ea2	SNB-Eb1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE5P	SNB-D4	Tri-Symmetry	SNB-EbS	SNB-F1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE51	SNB-D4	Tri-Gen 1	SNB-Eb1	SNB-F2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE52	SNB-D4	Tri-Gen 2	SNB-Eb2	SNB-FP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE6P	SNB-D4	Tri-Symmetry	SNB-EbS	SNB-F2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE61	SNB-D4	Tri-Gen 1	SNB-Eb1	SNB-FP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DE62	SNB-D4	Tri-Gen 2	SNB-Eb2	SNB-F1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF1P	SNB-D5	Tri-Symmetry	SNB-FP	SNB-Fa1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF11	SNB-D5	Tri-Gen 1	SNB-F1	SNB-Fa2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF12	SNB-D5	Tri-Gen 2	SNB-F2	SNB-FaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF2P	SNB-D5	Tri-Symmetry	SNB-FP	SNB-Fa2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF21	SNB-D5	Tri-Gen 1	SNB-F1	SNB-FaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF22	SNB-D5	Tri-Gen 2	SNB-F2	SNB-Fa1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF3P	SNB-D5	Tri-Symmetry	SNB-FaS	SNB-G1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF31	SNB-D5	Tri-Gen 1	SNB-Fa1	SNB-G2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF32	SNB-D5	Tri-Gen 2	SNB-Fa2	SNB-GP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF4P	SNB-D5	Tri-Symmetry	SNB-FaS	SNB-G2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF41	SNB-D5	Tri-Gen 1	SNB-Fa1	SNB-GP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF42	SNB-D5	Tri-Gen 2	SNB-Fa2	SNB-G1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG1P	SNB-D6	Tri-Symmetry	SNB-GP	SNB-Ga1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0

SNB-DG11	SNB-D6	Tri-Gen 1	SNB-G1	SNB-Ga2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG12	SNB-D6	Tri-Gen 2	SNB-G2	SNB-GaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG2P	SNB-D6	Tri-Symmetry	SNB-GP	SNB-Ga2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG21	SNB-D6	Tri-Gen 1	SNB-G1	SNB-GaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG22	SNB-D6	Tri-Gen 2	SNB-G2	SNB-Ga1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG3P	SNB-D6	Tri-Symmetry	SNB-GaS	SNB-H1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG31	SNB-D6	Tri-Gen 1	SNB-Ga1	SNB-H2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG32	SNB-D6	Tri-Gen 2	SNB-Ga2	SNB-HP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG4P	SNB-D6	Tri-Symmetry	SNB-GaS	SNB-H2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG41	SNB-D6	Tri-Gen 1	SNB-Ga1	SNB-HP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG42	SNB-D6	Tri-Gen 2	SNB-Ga2	SNB-H1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH1P	SNB-D6	Tri-Symmetry	SNB-HP	SNB-Ha1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH11	SNB-D6	Tri-Gen 1	SNB-H1	SNB-Ha2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH12	SNB-D6	Tri-Gen 2	SNB-H2	SNB-HaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH2P	SNB-D6	Tri-Symmetry	SNB-HP	SNB-Ha2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH21	SNB-D6	Tri-Gen 1	SNB-H1	SNB-HaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH22	SNB-D6	Tri-Gen 2	SNB-H2	SNB-Ha1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH3P	SNB-D6	Tri-Symmetry	SNB-HaS	SNB-I1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH31	SNB-D6	Tri-Gen 1	SNB-Ha1	SNB-I2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH32	SNB-D6	Tri-Gen 2	SNB-Ha2	SNB-IP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH4P	SNB-D6	Tri-Symmetry	SNB-HaS	SNB-I2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH41	SNB-D6	Tri-Gen 1	SNB-Ha1	SNB-IP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH42	SNB-D6	Tri-Gen 2	SNB-Ha2	SNB-I1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI1P	SNB-D7	Tri-Symmetry	SNB-IP	SNB-Ia1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI11	SNB-D7	Tri-Gen 1	SNB-I1	SNB-Ia2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI12	SNB-D7	Tri-Gen 2	SNB-I2	SNB-IaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI2P	SNB-D7	Tri-Symmetry	SNB-IP	SNB-Ia2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI21	SNB-D7	Tri-Gen 1	SNB-I1	SNB-IaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI22	SNB-D7	Tri-Gen 2	SNB-I2	SNB-Ia1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI3P	SNB-D7	Tri-Symmetry	SNB-IaS	SNB-J1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI31	SNB-D7	Tri-Gen 1	SNB-Ia1	SNB-J2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI32	SNB-D7	Tri-Gen 2	SNB-Ia2	SNB-JP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI4P	SNB-D7	Tri-Symmetry	SNB-IaS	SNB-J2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI41	SNB-D7	Tri-Gen 1	SNB-Ia1	SNB-JP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI42	SNB-D7	Tri-Gen 2	SNB-Ia2	SNB-J1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-LA1P	SNB-L1	Tri-Symmetry	SNB-AP	SNB-AaS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA11	SNB-L1	Tri-Gen 1	SNB-A1	SNB-Aa1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA12	SNB-L1	Tri-Gen 2	SNB-A2	SNB-Aa2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA2P	SNB-L1	Tri-Symmetry	SNB-AaS	SNB-AbS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA21	SNB-L1	Tri-Gen 1	SNB-Aa1	SNB-Ab1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA22	SNB-L1	Tri-Gen 2	SNB-Aa2	SNB-Ab2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA3P	SNB-L1	Tri-Symmetry	SNB-AbS	SNB-AcS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA31	SNB-L1	Tri-Gen 1	SNB-Ab1	SNB-Ac1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA32	SNB-L1	Tri-Gen 2	SNB-Ab2	SNB-Ac2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA4P	SNB-L1	Tri-Symmetry	SNB-AcS	SNB-BP	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA41	SNB-L1	Tri-Gen 1	SNB-Ac1	SNB-B1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA42	SNB-L1	Tri-Gen 2	SNB-Ac2	SNB-B2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB1P	SNB-L2	Tri-Symmetry	SNB-BP	SNB-BaS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB11	SNB-L2	Tri-Gen 1	SNB-B1	SNB-Ba1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB12	SNB-L2	Tri-Gen 2	SNB-B2	SNB-Ba2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB2P	SNB-L2	Tri-Symmetry	SNB-BaS	SNB-BbS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB21	SNB-L2	Tri-Gen 1	SNB-Ba1	SNB-Bb1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB22	SNB-L2	Tri-Gen 2	SNB-Ba2	SNB-Bb2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB3P	SNB-L2	Tri-Symmetry	SNB-BbS	SNB-BcS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB31	SNB-L2	Tri-Gen 1	SNB-Bb1	SNB-Bc1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB32	SNB-L2	Tri-Gen 2	SNB-Bb2	SNB-Bc2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB4P	SNB-L2	Tri-Symmetry	SNB-BcS	SNB-CP	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB41	SNB-L2	Tri-Gen 1	SNB-Bc1	SNB-C1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB42	SNB-L2	Tri-Gen 2	SNB-Bc2	SNB-C2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC1P	SNB-L2	Tri-Symmetry	SNB-CP	SNB-CaS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC11	SNB-L2	Tri-Gen 1	SNB-C1	SNB-Ca1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC12	SNB-L2	Tri-Gen 2	SNB-C2	SNB-Ca2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC2P	SNB-L2	Tri-Symmetry	SNB-CaS	SNB-CbS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC21	SNB-L2	Tri-Gen 1	SNB-Ca1	SNB-Cb1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC22	SNB-L2	Tri-Gen 2	SNB-Ca2	SNB-Cb2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC3P	SNB-L2	Tri-Symmetry	SNB-CbS	SNB-DP	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC31	SNB-L2	Tri-Gen 1	SNB-Cb1	SNB-D1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC32	SNB-L2	Tri-Gen 2	SNB-Cb2	SNB-D2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LD1P	SNB-L3	Tri-Symmetry	SNB-DP	SNB-DaS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LD11	SNB-L3	Tri-Gen 1	SNB-D1	SNB-Da1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LD12	SNB-L3	Tri-Gen 2	SNB-D2	SNB-Da2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LD2P	SNB-L3	Tri-Symmetry	SNB-DaS	SNB-DbS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LD21	SNB-L3	Tri-Gen 1	SNB-Da1	SNB-Db1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LD22	SNB-L3	Tri-Gen 2	SNB-Da2	SNB-Db2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LD3P	SNB-L3	Tri-Symmetry	SNB-DbS	SNB-EP	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LD31	SNB-L3	Tri-Gen 1	SNB-Db1	SNB-E1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LD32	SNB-L3	Tri-Gen 2	SNB-Db2	SNB-E2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LE1P	SNB-L4	Tri-Symmetry	SNB-EP	SNB-EaS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LE11	SNB-L4	Tri-Gen 1	SNB-E1	SNB-Ea1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LE12	SNB-L4	Tri-Gen 2	SNB-E2	SNB-Ea2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LE2P	SNB-L4	Tri-Symmetry	SNB-EaS	SNB-EbS	1	4	1	1	1			0	0	0		0	0	0	0	0

SNB-LE21	SNB-L4	Tri-Gen 1	SNB-Ea1	SNB-Eb1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE22	SNB-L4	Tri-Gen 2	SNB-Ea2	SNB-Eb2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE3P	SNB-L4	Tri-Symmetry	SNB-EbS	SNB-FP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE31	SNB-L4	Tri-Gen 1	SNB-Eb1	SNB-F1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE32	SNB-L4	Tri-Gen 2	SNB-Eb2	SNB-F2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF1P	SNB-L4	Tri-Symmetry	SNB-FP	SNB-FaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF11	SNB-L4	Tri-Gen 1	SNB-F1	SNB-Fa1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF12	SNB-L4	Tri-Gen 2	SNB-F2	SNB-Fa2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF2P	SNB-L4	Tri-Symmetry	SNB-FaS	SNB-GP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF21	SNB-L4	Tri-Gen 1	SNB-Fa1	SNB-G1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF22	SNB-L4	Tri-Gen 2	SNB-Fa2	SNB-G2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG1P	SNB-L5	Tri-Symmetry	SNB-GP	SNB-GaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG11	SNB-L5	Tri-Gen 1	SNB-G1	SNB-Ga1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG12	SNB-L5	Tri-Gen 2	SNB-G2	SNB-Ga2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG2P	SNB-L5	Tri-Symmetry	SNB-GaS	SNB-HP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG21	SNB-L5	Tri-Gen 1	SNB-Ga1	SNB-H1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG22	SNB-L5	Tri-Gen 2	SNB-Ga2	SNB-H2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH1P	SNB-L5	Tri-Symmetry	SNB-HP	SNB-HaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH11	SNB-L5	Tri-Gen 1	SNB-H1	SNB-Ha1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH12	SNB-L5	Tri-Gen 2	SNB-H2	SNB-Ha2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH2P	SNB-L5	Tri-Symmetry	SNB-HaS	SNB-IP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH21	SNB-L5	Tri-Gen 1	SNB-Ha1	SNB-I1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH22	SNB-L5	Tri-Gen 2	SNB-Ha2	SNB-I2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI1P	SNB-L6	Tri-Symmetry	SNB-IP	SNB-IaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI11	SNB-L6	Tri-Gen 1	SNB-I1	SNB-Ia1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI12	SNB-L6	Tri-Gen 2	SNB-I2	SNB-Ia2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI2P	SNB-L6	Tri-Symmetry	SNB-IaS	SNB-JP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI21	SNB-L6	Tri-Gen 1	SNB-Ia1	SNB-J1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI22	SNB-L6	Tri-Gen 2	SNB-Ia2	SNB-J2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect AP	Connect	Tri-Symmetry	RohnAP	SNB-AP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect A1	Connect	Tri-Gen 1	RohnA1	SNB-A1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect A2	Connect	Tri-Gen 2	RohnA2	SNB-A2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect AaP	Connect	Tri-Symmetry	RohnAaS	SNB-AaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Aa1	Connect	Tri-Gen 1	RohnAa1	SNB-Aa1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Aa2	Connect	Tri-Gen 2	RohnAa2	SNB-Aa2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect AbP	Connect	Tri-Symmetry	RohnAbS	SNB-AbS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ab1	Connect	Tri-Gen 1	RohnAb1	SNB-Ab1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ab2	Connect	Tri-Gen 2	RohnAb2	SNB-Ab2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect AcP	Connect	Tri-Symmetry	RohnAcS	SNB-AcS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ac1	Connect	Tri-Gen 1	RohnAc1	SNB-Ac1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ac2	Connect	Tri-Gen 2	RohnAc2	SNB-Ac2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect BP	Connect	Tri-Symmetry	RohnBP	SNB-BP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect B1	Connect	Tri-Gen 1	RohnB1	SNB-B1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect B2	Connect	Tri-Gen 2	RohnB2	SNB-B2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect BaP	Connect	Tri-Symmetry	RohnBaS	SNB-BaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ba1	Connect	Tri-Gen 1	RohnBa1	SNB-Ba1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ba2	Connect	Tri-Gen 2	RohnBa2	SNB-Ba2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect BbP	Connect	Tri-Symmetry	RohnBbS	SNB-BbS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Bb1	Connect	Tri-Gen 1	RohnBb1	SNB-Bb1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Bb2	Connect	Tri-Gen 2	RohnBb2	SNB-Bb2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect BcP	Connect	Tri-Symmetry	RohnBcS	SNB-BcS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Bc1	Connect	Tri-Gen 1	RohnBc1	SNB-Bc1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Bc2	Connect	Tri-Gen 2	RohnBc2	SNB-Bc2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect CP	Connect	Tri-Symmetry	RohnCP	SNB-CP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect C1	Connect	Tri-Gen 1	RohnC1	SNB-C1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect C2	Connect	Tri-Gen 2	RohnC2	SNB-C2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect CaP	Connect	Tri-Symmetry	RohnCaS	SNB-CaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ca1	Connect	Tri-Gen 1	RohnCa1	SNB-Ca1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ca2	Connect	Tri-Gen 2	RohnCa2	SNB-Ca2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect CbP	Connect	Tri-Symmetry	RohnCbS	SNB-CbS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Cb1	Connect	Tri-Gen 1	RohnCb1	SNB-Cb1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Cb2	Connect	Tri-Gen 2	RohnCb2	SNB-Cb2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect DP	Connect	Tri-Symmetry	RohnDP	SNB-DP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect D1	Connect	Tri-Gen 1	RohnD1	SNB-D1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect D2	Connect	Tri-Gen 2	RohnD2	SNB-D2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect DaP	Connect	Tri-Symmetry	RohnDaS	SNB-DaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Da1	Connect	Tri-Gen 1	RohnDa1	SNB-Da1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Da2	Connect	Tri-Gen 2	RohnDa2	SNB-Da2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect DbP	Connect	Tri-Symmetry	RohnDbS	SNB-DbS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Db1	Connect	Tri-Gen 1	RohnDb1	SNB-Db1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Db2	Connect	Tri-Gen 2	RohnDb2	SNB-Db2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect EP	Connect	Tri-Symmetry	RohnEP	SNB-EP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect E1	Connect	Tri-Gen 1	RohnE1	SNB-E1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect E2	Connect	Tri-Gen 2	RohnE2	SNB-E2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect EaP	Connect	Tri-Symmetry	RohnEaS	SNB-EaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ea1	Connect	Tri-Gen 1	RohnEa1	SNB-Ea1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ea2	Connect	Tri-Gen 2	RohnEa2	SNB-Ea2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect EbP	Connect	Tri-Symmetry	RohnEbS	SNB-EbS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Eb1	Connect	Tri-Gen 1	RohnEb1	SNB-Eb1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Eb2	Connect	Tri-Gen 2	RohnEb2	SNB-Eb2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect FP	Connect	Tri-Symmetry	RohnFP	SNB-FP	1	4	1	1	1	0	0	0	0	0	0	0	0

Connect F1	Connect	Tri-Gen 1	RohnF1	SNB-F1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect F2	Connect	Tri-Gen 2	RohnF2	SNB-F2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect FaP	Connect	Tri-Symmetry	RohnFaS	SNB-FaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Fa1	Connect	Tri-Gen 1	RohnFa1	SNB-Fa1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Fa2	Connect	Tri-Gen 2	RohnFa2	SNB-Fa2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect GP	Connect	Tri-Symmetry	RohnGP	SNB-GP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect G1	Connect	Tri-Gen 1	RohnG1	SNB-G1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect G2	Connect	Tri-Gen 2	RohnG2	SNB-G2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect GaP	Connect	Tri-Symmetry	RohnGaS	SNB-GaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ga1	Connect	Tri-Gen 1	RohnGa1	SNB-Ga1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ga2	Connect	Tri-Gen 2	RohnGa2	SNB-Ga2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect HP	Connect	Tri-Symmetry	RohnHP	SNB-HP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect H1	Connect	Tri-Gen 1	RohnH1	SNB-H1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect H2	Connect	Tri-Gen 2	RohnH2	SNB-H2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect HaP	Connect	Tri-Symmetry	RohnHaS	SNB-HaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ha1	Connect	Tri-Gen 1	RohnHa1	SNB-Ha1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ha2	Connect	Tri-Gen 2	RohnHa2	SNB-Ha2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect IP	Connect	Tri-Symmetry	RohnIP	SNB-IP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect I1	Connect	Tri-Gen 1	RohnI1	SNB-I1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect I2	Connect	Tri-Gen 2	RohnI2	SNB-I2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect IaP	Connect	Tri-Symmetry	RohnIaS	SNB-IaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ia1	Connect	Tri-Gen 1	RohnIa1	SNB-Ia1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ia2	Connect	Tri-Gen 2	RohnIa2	SNB-Ia2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H1P	SNB-H1	Tri-Symmetry	SNB-AP	SNB-A1	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H11	SNB-H1	Tri-Gen 1	SNB-A1	SNB-A2	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H12	SNB-H1	Tri-Gen 2	SNB-A2	SNB-AP	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H2P	SNB-H1	Tri-Symmetry	SNB-BP	SNB-B1	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H21	SNB-H1	Tri-Gen 1	SNB-B1	SNB-B2	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H22	SNB-H1	Tri-Gen 2	SNB-B2	SNB-BP	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H3P	SNB-H1	Tri-Symmetry	SNB-CP	SNB-C1	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H31	SNB-H1	Tri-Gen 1	SNB-C1	SNB-C2	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H32	SNB-H1	Tri-Gen 2	SNB-C2	SNB-CP	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H4P	SNB-H1	Tri-Symmetry	SNB-DP	SNB-D1	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H41	SNB-H1	Tri-Gen 1	SNB-D1	SNB-D2	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H42	SNB-H1	Tri-Gen 2	SNB-D2	SNB-DP	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H5P	SNB-H2	Tri-Symmetry	SNB-EP	SNB-E1	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H51	SNB-H2	Tri-Gen 1	SNB-E1	SNB-E2	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H52	SNB-H2	Tri-Gen 2	SNB-E2	SNB-EP	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H6P	SNB-H2	Tri-Symmetry	SNB-FP	SNB-F1	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H61	SNB-H2	Tri-Gen 1	SNB-F1	SNB-F2	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H62	SNB-H2	Tri-Gen 2	SNB-F2	SNB-FP	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H7P	SNB-H2	Tri-Symmetry	SNB-GP	SNB-G1	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H71	SNB-H2	Tri-Gen 1	SNB-G1	SNB-G2	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H72	SNB-H2	Tri-Gen 2	SNB-G2	SNB-GP	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H8P	SNB-H2	Tri-Symmetry	SNB-HP	SNB-H1	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H81	SNB-H2	Tri-Gen 1	SNB-H1	SNB-H2	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H82	SNB-H2	Tri-Gen 2	SNB-H2	SNB-HP	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H9P	SNB-H2	Tri-Symmetry	SNB-IP	SNB-I1	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H91	SNB-H2	Tri-Gen 1	SNB-I1	SNB-I2	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0
SNB-H92	SNB-H2	Tri-Gen 2	SNB-I2	SNB-IP	1	4	0.5	0.5	0.5	0	0	0	0	0	0	0	0

Member Capacities and Overrides:

Member Label	Group Label	Design Comp. Capacity (kips)	Comp. Control Criterion	Design Tension Capacity (kips)	Tension Control Criterion	L/r	Length (ft)	L/r Comp. Capacity (kips)	Connection Shear Capacity (kips)	Connection Bearing Capacity (kips)	Net Section Tension Capacity (kips)	Rupture Tension Capacity (kips)	RTE End Dist. Tension Capacity (kips)	RTE Edge Dist. Tension Capacity (kips)	Override Comp. Capacity (kips)	Override Comp. Control Criterion	Override Tension Capacity (kips)	Override Tension Control Criterion	Override Face Member ship	Warnings or Errors
Rohn-DA1P	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA11	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA12	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA2P	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA21	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA22	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA3P	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA31	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA32	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA4P	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA41	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA42	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA5P	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA51	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA52	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA6P	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA61	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA62	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA7P	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA71	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA72	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	

Rohn-DA8P	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000	0.000	Automatic
Rohn-DA81	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000	0.000	Automatic
Rohn-DA82	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000	0.000	Automatic
Rohn-DB1P	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB11	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB12	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB2P	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB21	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB22	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB3P	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB31	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB32	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB4P	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB41	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB42	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB5P	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB51	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB52	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB6P	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB61	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB62	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000	0.000	Automatic
Rohn-DB7P	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DB71	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DB72	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DB8P	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DB81	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DB82	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DC1P	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC11	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC12	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC2P	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC21	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC22	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC3P	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC31	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC32	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC4P	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC41	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC42	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC5P	Rohn-D3	5.280	L/r	8.156	Bearing	160	13.18	5.280	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC51	Rohn-D3	5.280	L/r	8.156	Bearing	160	13.18	5.280	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC52	Rohn-D3	5.280	L/r	8.156	Bearing	160	13.18	5.280	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC6P	Rohn-D3	5.280	L/r	8.156	Bearing	160	13.18	5.280	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC61	Rohn-D3	5.280	L/r	8.156	Bearing	160	13.18	5.280	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC62	Rohn-D3	5.280	L/r	8.156	Bearing	160	13.18	5.280	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DD1P	Rohn-D4	6.462	L/r	10.875	Bearing	166	13.57	6.462	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD11	Rohn-D4	6.462	L/r	10.875	Bearing	166	13.57	6.462	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD12	Rohn-D4	6.462	L/r	10.875	Bearing	166	13.57	6.462	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD2P	Rohn-D4	6.462	L/r	10.875	Bearing	166	13.57	6.462	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD21	Rohn-D4	6.462	L/r	10.875	Bearing	166	13.57	6.462	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD22	Rohn-D4	6.462	L/r	10.875	Bearing	166	13.57	6.462	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD3P	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD31	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD32	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD4P	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD41	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD42	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD5P	Rohn-D4	5.764	L/r	10.875	Bearing	176	14.37	5.764	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD51	Rohn-D4	5.764	L/r	10.875	Bearing	176	14.37	5.764	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD52	Rohn-D4	5.764	L/r	10.875	Bearing	176	14.37	5.764	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD6P	Rohn-D4	5.764	L/r	10.875	Bearing	176	14.37	5.764	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD61	Rohn-D4	5.764	L/r	10.875	Bearing	176	14.37	5.764	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD62	Rohn-D4	5.764	L/r	10.875	Bearing	176	14.37	5.764	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DE1P	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE11	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE12	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE2P	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE21	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE22	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE3P	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE31	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE32	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE4P	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE41	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE42	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE5P	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE51	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE52	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE6P	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE61	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE62	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic

Rohn-DF1P	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF11	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF12	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF2P	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF21	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF22	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF3P	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF31	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF32	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF4P	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF41	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF42	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG1P	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG11	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG12	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG2P	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG21	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG22	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG3P	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG31	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG32	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG4P	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG41	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG42	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH1P	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH11	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH12	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH2P	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH21	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH22	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH3P	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH31	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH32	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH4P	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH41	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH42	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI1P	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI11	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI12	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI2P	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI21	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI22	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI3P	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI31	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI32	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI4P	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI41	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI42	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-LA1P	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA11	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA12	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA2P	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA21	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA22	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA3P	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA31	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA32	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA4P	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA41	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LA42	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB1P	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB11	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB12	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB2P	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB21	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB22	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB3P	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB31	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB32	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB4P	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB41	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LB42	Rohn-L2	85.952	L/r	103.200	Net Sect	46	5.00	85.952	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC1P	Rohn-L3	98.153	L/r	124.200	Net Sect	54	6.67	98.153	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC11	Rohn-L3	98.153	L/r	124.200	Net Sect	54	6.67	98.153	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC12	Rohn-L3	98.153	L/r	124.200	Net Sect	54	6.67	98.153	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC2P	Rohn-L3	98.044	L/r	124.200	Net Sect	54	6.69	98.044	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC21	Rohn-L3	98.044	L/r	124.200	Net Sect	54	6.69	98.044	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC22	Rohn-L3	98.044	L/r	124.200	Net Sect	54	6.69	98.044	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC3P	Rohn-L3	98.153	L/r	124.200	Net Sect	54	6.67	98.153	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC31	Rohn-L3	98.153	L/r	124.200	Net Sect	54	6.67	98.153	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC32	Rohn-L3	98.153	L/r	124.200	Net Sect	54	6.67	98.153	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic

Rohn-LD1P	Rohn-L4	102.644	L/r	120.900	Net Sect	43	6.67	102.644	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD11	Rohn-L4	102.644	L/r	120.900	Net Sect	43	6.67	102.644	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD12	Rohn-L4	102.644	L/r	120.900	Net Sect	43	6.67	102.644	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD2P	Rohn-L4	102.570	L/r	120.900	Net Sect	43	6.69	102.570	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD21	Rohn-L4	102.570	L/r	120.900	Net Sect	43	6.69	102.570	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD22	Rohn-L4	102.570	L/r	120.900	Net Sect	43	6.69	102.570	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD3P	Rohn-L4	102.644	L/r	120.900	Net Sect	43	6.67	102.644	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD31	Rohn-L4	102.644	L/r	120.900	Net Sect	43	6.67	102.644	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD32	Rohn-L4	102.644	L/r	120.900	Net Sect	43	6.67	102.644	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE1P	Rohn-L5	145.117	L/r	171.600	Net Sect	43	6.67	145.117	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE11	Rohn-L5	145.117	L/r	171.600	Net Sect	43	6.67	145.117	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE12	Rohn-L5	145.117	L/r	171.600	Net Sect	43	6.67	145.117	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE2P	Rohn-L5	145.009	L/r	171.600	Net Sect	43	6.69	145.009	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE21	Rohn-L5	145.009	L/r	171.600	Net Sect	43	6.69	145.009	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE22	Rohn-L5	145.009	L/r	171.600	Net Sect	43	6.69	145.009	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE3P	Rohn-L5	145.117	L/r	171.600	Net Sect	43	6.67	145.117	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE31	Rohn-L5	145.117	L/r	171.600	Net Sect	43	6.67	145.117	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE32	Rohn-L5	145.117	L/r	171.600	Net Sect	43	6.67	145.117	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF1P	Rohn-L6	159.025	L/r	201.300	Net Sect	54	10.01	159.025	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF11	Rohn-L6	159.025	L/r	201.300	Net Sect	54	10.01	159.025	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF12	Rohn-L6	159.025	L/r	201.300	Net Sect	54	10.01	159.025	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF2P	Rohn-L6	159.025	L/r	201.300	Net Sect	54	10.01	159.025	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF21	Rohn-L6	159.025	L/r	201.300	Net Sect	54	10.01	159.025	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF22	Rohn-L6	159.025	L/r	201.300	Net Sect	54	10.01	159.025	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG1P	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG11	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG12	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG2P	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG21	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG22	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH1P	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH11	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH12	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH2P	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH21	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH22	Rohn-L7	186.124	L/r	236.400	Net Sect	55	10.01	186.124	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI1P	Rohn-L8	253.910	L/r	295.800	Net Sect	41	10.01	253.910	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI11	Rohn-L8	253.910	L/r	295.800	Net Sect	41	10.01	253.910	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI12	Rohn-L8	253.910	L/r	295.800	Net Sect	41	10.01	253.910	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI2P	Rohn-L8	253.910	L/r	295.800	Net Sect	41	10.01	253.910	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI21	Rohn-L8	253.910	L/r	295.800	Net Sect	41	10.01	253.910	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI22	Rohn-L8	253.910	L/r	295.800	Net Sect	41	10.01	253.910	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H1P	Rohn-H1	5.372	L/r	13.392	Net Sect	131	7.50	5.372	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H11	Rohn-H1	5.372	L/r	13.392	Net Sect	131	7.50	5.372	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H12	Rohn-H1	5.372	L/r	13.392	Net Sect	131	7.50	5.372	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H2P	Rohn-H1	3.846	L/r	13.392	Net Sect	155	8.87	3.846	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H21	Rohn-H1	3.846	L/r	13.392	Net Sect	155	8.87	3.846	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H22	Rohn-H1	3.846	L/r	13.392	Net Sect	155	8.87	3.846	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA1P	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA11	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA12	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA2P	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA21	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA22	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA3P	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA31	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA32	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA4P	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA41	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA42	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA5P	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA51	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA52	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA6P	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA61	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA62	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA7P	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA71	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA72	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA8P	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA81	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA82	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DB1P	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB11	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB12	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB2P	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB21	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB22	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB3P	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB31	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB32	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic

SNB-DB4P	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB41	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB42	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB5P	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB51	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB52	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB6P	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB61	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB62	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB7P	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB71	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB72	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB8P	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB81	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB82	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DC1P	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC11	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC12	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC2P	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC21	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC22	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC3P	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC31	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC32	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC4P	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC41	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC42	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC5P	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC51	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC52	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC6P	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC61	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC62	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD1P	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD11	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD12	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD2P	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD21	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD22	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD3P	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD31	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD32	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD4P	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD41	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD42	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD5P	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD51	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD52	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD6P	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD61	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD62	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DE1P	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE11	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE12	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE2P	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE21	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE22	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE3P	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE31	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE32	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE4P	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE41	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE42	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE5P	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE51	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE52	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE6P	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE61	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE62	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF1P	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF11	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF12	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF2P	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF21	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF22	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF3P	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF31	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF32	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF4P	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF41	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF42	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic

SNB-DG1P	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG11	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG12	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG2P	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG21	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG22	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG3P	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG31	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG32	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG4P	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG41	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG42	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH1P	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH11	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH12	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH2P	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH21	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH22	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH3P	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH31	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH32	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH4P	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH41	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH42	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI1P	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI11	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI12	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI2P	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI21	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI22	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI3P	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI31	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI32	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI4P	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI41	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI42	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-LA1P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA11	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA12	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA2P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA21	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA22	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA3P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA31	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA32	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA4P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA41	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA42	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB1P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB11	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB12	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB2P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB21	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB22	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB3P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB31	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB32	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB4P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB41	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB42	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC1P	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC11	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC12	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC2P	SNB-L2	110.299	L/r	134.136	Net Sect	56	6.69	110.299	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC21	SNB-L2	110.299	L/r	134.136	Net Sect	56	6.69	110.299	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC22	SNB-L2	110.299	L/r	134.136	Net Sect	56	6.69	110.299	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC3P	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC31	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC32	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD1P	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD11	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD12	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD2P	SNB-L3	108.204	L/r	123.552	Net Sect	43	6.69	108.204	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD21	SNB-L3	108.204	L/r	123.552	Net Sect	43	6.69	108.204	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD22	SNB-L3	108.204	L/r	123.552	Net Sect	43	6.69	108.204	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD3P	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD31	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD32	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE1P	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE11	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE12	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic

SNB-LE2P	SNB-L4	207.585	L/r	231.120	Net Sect	37	6.69	207.585	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE21	SNB-L4	207.585	L/r	231.120	Net Sect	37	6.69	207.585	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE22	SNB-L4	207.585	L/r	231.120	Net Sect	37	6.69	207.585	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE3P	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE31	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE32	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF1P	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF11	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF12	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF2P	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF21	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF22	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG1P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG11	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG12	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG2P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG21	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG22	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH1P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH11	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH12	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH2P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH21	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH22	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI1P	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI11	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI12	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI2P	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI21	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI22	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect A1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect A2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Aa1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Aa2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AbP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ab1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ab2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AcP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ac1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ac2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect B1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect B2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BaP	Connect	17203.093	L/r	17279.973	Net Sect	2	2.00	17203.093	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ba1	Connect	17203.093	L/r	17279.973	Net Sect	2	2.00	17203.093	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ba2	Connect	17203.093	L/r	17279.973	Net Sect	2	2.00	17203.093	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BbP	Connect	17203.083	L/r	17279.973	Net Sect	2	2.00	17203.083	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bb1	Connect	17203.083	L/r	17279.973	Net Sect	2	2.00	17203.083	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bb2	Connect	17203.083	L/r	17279.973	Net Sect	2	2.00	17203.083	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BcP	Connect	17203.073	L/r	17279.973	Net Sect	2	2.00	17203.073	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bc1	Connect	17203.073	L/r	17279.973	Net Sect	2	2.00	17203.073	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bc2	Connect	17203.073	L/r	17279.973	Net Sect	2	2.00	17203.073	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect CP	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect C1	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect C2	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect CaP	Connect	17203.076	L/r	17279.973	Net Sect	2	2.00	17203.076	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ca1	Connect	17203.076	L/r	17279.973	Net Sect	2	2.00	17203.076	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ca2	Connect	17203.076	L/r	17279.973	Net Sect	2	2.00	17203.076	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect CbP	Connect	17203.089	L/r	17279.973	Net Sect	2	2.00	17203.089	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Cb1	Connect	17203.089	L/r	17279.973	Net Sect	2	2.00	17203.089	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Cb2	Connect	17203.089	L/r	17279.973	Net Sect	2	2.00	17203.089	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect DP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect D1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect D2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect DaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Da1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Da2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect DbP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Db1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Db2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect EP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect E1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect E2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect EaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ea1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ea2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect EbP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Eb1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Eb2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic

Connect FP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect F1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect F2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect FaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Fa1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Fa2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect GP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect G1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect G2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect GaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ga1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ga2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect HP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect H1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect H2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect HaP	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ha1	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ha2	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect IP	Connect	17203.023	L/r	17279.973	Net Sect	2	2.00	17203.023	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect I1	Connect	17203.023	L/r	17279.973	Net Sect	2	2.00	17203.023	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect I2	Connect	17203.023	L/r	17279.973	Net Sect	2	2.00	17203.023	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect IaP	Connect	17202.963	L/r	17279.973	Net Sect	2	2.00	17202.963	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ia1	Connect	17202.963	L/r	17279.973	Net Sect	2	2.00	17202.963	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ia2	Connect	17202.963	L/r	17279.973	Net Sect	2	2.00	17202.963	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1P	SNB-H1	84.029	L/r	88.668	Net Sect	22	4.04	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H11	SNB-H1	84.029	L/r	88.668	Net Sect	22	4.04	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H12	SNB-H1	84.029	L/r	88.668	Net Sect	22	4.04	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2P	SNB-H1	81.989	L/r	88.668	Net Sect	30	5.41	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H21	SNB-H1	81.989	L/r	88.668	Net Sect	30	5.41	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H22	SNB-H1	81.989	L/r	88.668	Net Sect	30	5.41	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3P	SNB-H1	79.736	L/r	88.668	Net Sect	37	6.77	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H31	SNB-H1	79.736	L/r	88.668	Net Sect	37	6.77	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H32	SNB-H1	79.736	L/r	88.668	Net Sect	37	6.77	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4P	SNB-H1	77.281	L/r	88.668	Net Sect	44	8.13	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H41	SNB-H1	77.281	L/r	88.668	Net Sect	44	8.13	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H42	SNB-H1	77.281	L/r	88.668	Net Sect	44	8.13	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5P	SNB-H2	119.111	L/r	134.136	Net Sect	40	9.49	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H51	SNB-H2	119.111	L/r	134.136	Net Sect	40	9.49	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H52	SNB-H2	119.111	L/r	134.136	Net Sect	40	9.49	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6P	SNB-H2	116.171	L/r	134.136	Net Sect	46	10.86	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H61	SNB-H2	116.171	L/r	134.136	Net Sect	46	10.86	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H62	SNB-H2	116.171	L/r	134.136	Net Sect	46	10.86	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7P	SNB-H2	113.058	L/r	134.136	Net Sect	52	12.22	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H71	SNB-H2	113.058	L/r	134.136	Net Sect	52	12.22	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H72	SNB-H2	113.058	L/r	134.136	Net Sect	52	12.22	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8P	SNB-H2	109.782	L/r	134.136	Net Sect	57	13.58	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H81	SNB-H2	109.782	L/r	134.136	Net Sect	57	13.58	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H82	SNB-H2	109.782	L/r	134.136	Net Sect	57	13.58	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H9P	SNB-H2	106.339	L/r	134.136	Net Sect	63	14.94	106.339	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H91	SNB-H2	106.339	L/r	134.136	Net Sect	63	14.94	106.339	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H92	SNB-H2	106.339	L/r	134.136	Net Sect	63	14.94	106.339	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic

The model contains 558 angle members.

Section Joint Information:

Section Label	Joint Label	Joint Elevation (ft)
A	RohnAP	180.000
A	RohnAa1	175.000
A	RohnA1	180.000
A	RohnAa2	175.000
A	RohnA2	180.000
A	RohnAaS	175.000
A	RohnAb1	170.000
A	RohnAb2	170.000
A	RohnAbS	170.000
A	RohnAc1	165.000
A	RohnAc2	165.000
A	RohnAcS	165.000
A	RohnB2	160.000
A	RohnBP	160.000
A	RohnB1	160.000
A	SNB-AP	180.000
A	SNB-Aa1	175.000
A	SNB-A1	180.000
A	SNB-Aa2	175.000
A	SNB-A2	180.000

A	SNB-AaS	175.000
A	SNB-Ab1	170.000
A	SNB-Ab2	170.000
A	SNB-AbS	170.000
A	SNB-Ac1	165.000
A	SNB-Ac2	165.000
A	SNB-AcS	165.000
A	SNB-B1	160.000
A	SNB-B2	160.000
A	SNB-BP	160.000
B	RohnBP	160.000
B	RohnBa1	155.000
B	RohnB1	160.000
B	RohnBa2	155.000
B	RohnB2	160.000
B	RohnBaS	155.000
B	RohnBb1	150.000
B	RohnBb2	150.000
B	RohnBbS	150.000
B	RohnBc1	145.000
B	RohnBc2	145.000
B	RohnBcS	145.000
B	RohnC1	140.000
B	RohnC2	140.000
B	RohnCP	140.000
B	SNB-BP	160.000
B	SNB-Ba1	155.000
B	SNB-B1	160.000
B	SNB-Ba2	155.000
B	SNB-B2	160.000
B	SNB-BaS	155.000
B	SNB-Bb1	150.000
B	SNB-Bb2	150.000
B	SNB-BbS	150.000
B	SNB-Bc1	145.000
B	SNB-Bc2	145.000
B	SNB-BcS	145.000
B	SNB-C1	140.000
B	SNB-C2	140.000
B	SNB-CP	140.000
C	RohnCP	140.000
C	RohnCa1	133.340
C	RohnC1	140.000
C	RohnCa2	133.340
C	RohnC2	140.000
C	RohnCaS	133.340
C	RohnCb1	126.660
C	RohnCb2	126.660
C	RohnCbS	126.660
C	RohnD1	120.000
C	RohnD2	120.000
C	RohnDP	120.000
C	SNB-CP	140.000
C	SNB-Ca1	133.340
C	SNB-C1	140.000
C	SNB-Ca2	133.340
C	SNB-C2	140.000
C	SNB-CaS	133.340
C	SNB-Cb1	126.660
C	SNB-Cb2	126.660
C	SNB-CbS	126.660
C	SNB-D1	120.000
C	SNB-D2	120.000
C	SNB-DP	120.000
D	RohnDP	120.000
D	RohnDa1	113.340
D	RohnD1	120.000
D	RohnDa2	113.340
D	RohnD2	120.000
D	RohnDaS	113.340
D	RohnDb1	106.660
D	RohnDb2	106.660
D	RohnDbS	106.660
D	RohnE1	100.000
D	RohnE2	100.000
D	RohnEP	100.000
D	SNB-DP	120.000
D	SNB-Da1	113.340
D	SNB-D1	120.000
D	SNB-Da2	113.340
D	SNB-D2	120.000

D	SNB-DaS	113.340
D	SNB-Db1	106.660
D	SNB-Db2	106.660
D	SNB-DbS	106.660
D	SNB-E1	100.000
D	SNB-E2	100.000
D	SNB-EP	100.000
E	RohnEP	100.000
E	RohnEa1	93.340
E	RohnE1	100.000
E	RohnEa2	93.340
E	RohnE2	100.000
E	RohnEaS	93.340
E	RohnEb1	86.660
E	RohnEb2	86.660
E	RohnEbS	86.660
E	RohnF1	80.000
E	RohnF2	80.000
E	RohnFP	80.000
E	SNB-EP	100.000
E	SNB-Ea1	93.340
E	SNB-E1	100.000
E	SNB-Ea2	93.340
E	SNB-E2	100.000
E	SNB-EaS	93.340
E	SNB-Eb1	86.660
E	SNB-Eb2	86.660
E	SNB-EbS	86.660
E	SNB-F1	80.000
E	SNB-F2	80.000
E	SNB-FP	80.000
F	RohnFP	80.000
F	RohnFa1	70.000
F	RohnF1	80.000
F	RohnFa2	70.000
F	RohnF2	80.000
F	RohnFaS	70.000
F	RohnG1	60.000
F	RohnG2	60.000
F	RohnGP	60.000
F	SNB-FP	80.000
F	SNB-Fa1	70.000
F	SNB-F1	80.000
F	SNB-Fa2	70.000
F	SNB-F2	80.000
F	SNB-FaS	70.000
F	SNB-G1	60.000
F	SNB-G2	60.000
F	SNB-GP	60.000
G	RohnGP	60.000
G	RohnGa1	50.000
G	RohnG1	60.000
G	RohnGa2	50.000
G	RohnG2	60.000
G	RohnGaS	50.000
G	RohnH1	40.000
G	RohnH2	40.000
G	RohnHP	40.000
G	SNB-GP	60.000
G	SNB-Ga1	50.000
G	SNB-G1	60.000
G	SNB-Ga2	50.000
G	SNB-G2	60.000
G	SNB-GaS	50.000
G	SNB-H1	40.000
G	SNB-H2	40.000
G	SNB-HP	40.000
H	RohnHP	40.000
H	RohnHa1	30.000
H	RohnH1	40.000
H	RohnHa2	30.000
H	RohnH2	40.000
H	RohnHaS	30.000
H	RohnI1	20.000
H	RohnI2	20.000
H	RohnIP	20.000
H	SNB-HP	40.000
H	SNB-Ha1	30.000
H	SNB-H1	40.000
H	SNB-Ha2	30.000
H	SNB-H2	40.000

H	SNB-HaS	30.000
H	SNB-I1	20.000
H	SNB-I2	20.000
H	SNB-IP	20.000
I	RohnIP	20.000
I	RohnIa1	10.000
I	RohnI1	20.000
I	RohnIa2	10.000
I	RohnI2	20.000
I	RohnIaS	10.000
I	RohnJ1	0.000
I	RohnJ2	0.000
I	RohnJP	0.000
I	SNB-IP	20.000
I	SNB-Ia1	10.000
I	SNB-I1	20.000
I	SNB-Ia2	10.000
I	SNB-I2	20.000
I	SNB-IaS	10.000
I	SNB-J1	0.000
I	SNB-J2	0.000
I	SNB-JP	0.000

EIA Sections Information:

Section Label	Top Z (ft)	Bottom Z (ft)	Joint Count	Member Count	Top Width (ft)	Bottom Width (ft)	Gross Area (ft^2)	Face Af Adjust Factor	Face Ar Adjust Factor	Dead Load Factor
A	180.000	160.000	30	99	7.50	8.87	163.75	0.9000	0.9000	1.000
B	160.000	140.000	30	87	8.87	10.23	191.05	0.9000	0.9000	1.000
C	140.000	120.000	24	66	10.23	11.60	218.31	0.9000	0.9000	1.000
D	120.000	100.000	24	66	11.60	12.96	245.54	0.9000	0.9000	1.000
E	100.000	80.000	24	66	12.96	14.32	272.78	0.9000	0.9000	1.000
F	80.000	60.000	18	45	14.32	15.68	300.04	0.9000	0.9000	1.000
G	60.000	40.000	18	45	15.68	17.05	327.29	0.9000	0.9000	1.000
H	40.000	20.000	18	45	17.05	18.41	354.57	0.9000	0.9000	1.000
I	20.000	0.000	18	39	18.41	19.78	381.92	0.9000	0.9000	1.000

Equipment Library:

Equipment Property Label	Stock Number	Weight (lbs)	Wind Area (ft^2)	Ice Area (ft^2)	Shape or EIA Antenna Type	Drag Coef.	Diameter (ft)	Height (ft)
RFS PD1142 w/ ice	Omni	21.5	2.80	0.00	Circle	1.00	0.00	0.00
Andrew DB-583 w/ ice	Omni	11.6	0.71	0.00	Circle	1.00	0.00	0.00
EMS RR90-17-XXDP w/ ice	Panel	40.4	4.77	0.00	Square	1.00	0.00	0.00
12` T-Arm	Mount	600.0	10.00	0.00	Square	1.00	0.00	0.00
3` Stand-Off	Mount	75.0	1.50	0.00	Square	1.00	0.00	0.00
Dipole	Dipole	71.0	6.00	0.00	Circle	1.00	0.00	0.00
6` Dish with Radome	Dish	220.0	29.00	0.00	Circle	1.00	0.00	0.00
TMA	TMA	15.0	1.00	0.00	Square	1.00	0.00	0.00
GLF-940	Grid Dish	120.0	20.00	0.00	Circle	1.00	0.00	0.00
GPS	GPS	20.0	1.00	0.00	Circle	1.00	0.00	0.00
Powerwave 7770	Panel	35.0	5.88	0.00	Square	1.00	0.00	0.00
Powerwave P65-16-XLH-RR	Panel	65.0	8.40	0.00	Square	1.00	0.00	0.00
Raycap Surge Suppressor	Other	20.0	1.27	0.00	Circle	1.00	0.00	0.00
Ericsson RRU	Other	80.0	5.45	0.00	Square	1.00	0.00	0.00
9` Omni	Omni	172.0	5.85	0.00	Circle	1.00	0.00	0.00
4` Dipole	Dipole	40.0	2.00	0.00	Circle	1.00	0.00	0.00
5` Dish	Dish	200.0	20.00	0.00	Circle	1.00	0.00	0.00
10x4.6x4 Panel	Panel	20.0	0.50	0.00	Square	1.00	0.00	0.00
DB586-Y	Omni	10.0	0.40	0.00	Circle	1.00	0.00	0.00
8` Omni	Omni	160.0	1.60	0.00	Circle	1.00	0.00	0.00
12` Omni	Omni	170.0	2.40	0.00	Circle	1.00	0.00	0.00
Boom Gate	Mount	470.0	24.40	0.00	Square	1.00	0.00	0.00
Scala OGT9-806 w/ ice	Omni	22.7	1.98	0.00	Circle	1.00	0.00	0.00
Sinclair SC479-HF1LDF w/ ice	Omni	69.8	6.54	0.00	Circle	1.00	0.00	0.00
RFS APXVSPP18-C w/ ice	Panel	106.5	8.81	0.00	Square	1.00	0.00	0.00
ALU RRH	RRH	66.7	2.44	0.00	Square	1.00	0.00	0.00
Swedcom SCLP 2x6014	Panel	70.5	7.65	0.00	Square	1.00	0.00	0.00
RFS APL866513-42T0	Panel	51.3	4.67	0.00	Square	1.00	0.00	0.00
Swedcom SWCP 2x5514	Panel	70.0	7.44	0.00	Square	1.00	0.00	0.00
Amphenol BXA-171063-8BF	Panel	33.7	3.25	0.00	Square	1.00	0.00	0.00
Diplexer	Diplexer	10.0	0.50	0.00	Square	1.00	0.00	0.00

Equipment Connectivity:

Equipment	Attach	Equipment	EIA	Antenna

Label	Label	Property Set	Orientation Angle (deg)
Top-A	RohnAP	3' Stand-Off	0.00
Top-B	RohnA1	3' Stand-Off	120.00
Top-C1	RohnA2	3' Stand-Off	260.00
Top-C2	RohnA2	3' Stand-Off	220.00
CSP-67	RohnAP	Dipole	0.00
NEU-20	RohnA1	9' Omni	120.00
CSP-8	RohnAb1	4' Dipole	120.00
CSP-3	RohnAP	Sinclair SC479-HF1LDF w/ ice	0.00
CSP-4	RohnA2	Sinclair SC479-HF1LDF w/ ice	240.00
CSP-74	RohnAP	6' Dish with Radome	0.00
CSP-75	RohnA1	6' Dish with Radome	120.00
CSP-76	RohnA2	6' Dish with Radome	240.00
CSP-31	RohnAa1	6' Dish with Radome	120.00
CSP-1	RohnAaS	Scala CGT9-806 w/ ice	0.00
CSP-2	RohnAa2	Scala CGT9-806 w/ ice	240.00
CSP-73	RohnAP	TMA	0.00
TOG-7	RohnAbS	5' Dish	0.00
TOG-5	RohnAP	Andrew DB-583 w/ ice	0.00
TOG-6	RohnAc1	DB586-Y	120.00
SPD-9	RohnAc1	GLF-940	120.00
159-A	RohnB1	3' Stand-Off	120.00
159-B	RohnB2	3' Stand-Off	240.00
STAM-63	RohnB1	10x4.6x4 Panel	120.00
STAM-65	RohnB2	10x4.6x4 Panel	240.00
ATT-A	RohnBbS	12' T-Arm	0.00
ATT-B	RohnBb1	12' T-Arm	120.00
ATT-C	RohnBb2	12' T-Arm	240.00
ATT-A1	RohnBbS	Powerwave 7770	0.00
ATT-A2	RohnBbS	Powerwave P65-16-XLH-RR	0.00
ATT-A3	RohnBbS	Powerwave 7770	0.00
ATT-A4	RohnBbS	Ericsson RRU	0.00
ATT-A5	RohnBbS	Ericsson RRU	0.00
ATT-A6	RohnBbS	TMA	0.00
ATT-A7	RohnBbS	TMA	0.00
ATT-A8	RohnBbS	TMA	0.00
ATT-A9	RohnBbS	TMA	0.00
ATT-A10	RohnBbS	Raycap Surge Suppressor	0.00
ATT-B1	RohnBb1	Powerwave 7770	120.00
ATT-B2	RohnBb1	Powerwave P65-16-XLH-RR	120.00
ATT-B3	RohnBb1	Powerwave 7770	120.00
ATT-B4	RohnBb1	Ericsson RRU	120.00
ATT-B5	RohnBb1	Ericsson RRU	120.00
ATT-B6	RohnBb1	TMA	120.00
ATT-B7	RohnBb1	TMA	120.00
ATT-B8	RohnBb1	TMA	120.00
ATT-B9	RohnBb1	TMA	120.00
ATT-C1	RohnBb2	Powerwave 7770	240.00
ATT-C2	RohnBb2	Powerwave P65-16-XLH-RR	240.00
ATT-C3	RohnBb2	Powerwave 7770	240.00
ATT-C4	RohnBb2	Ericsson RRU	240.00
ATT-C5	RohnBb2	Ericsson RRU	240.00
ATT-C6	RohnBb2	TMA	240.00
ATT-C7	RohnBb2	TMA	240.00
ATT-C8	RohnBb2	TMA	240.00
ATT-C9	RohnBb2	TMA	240.00
143-A	RohnBc1	3' Stand-Off	120.00
NEU-18	RohnCP	12' Omni	0.00
NEU-16	RohnC2	8' Omni	240.00
T-Mobile-1	RohnCP	EMS RR90-17-XXDP w/ ice	0.00
T-Mobile-2	RohnCP	TMA	0.00
T-Mobile-3	RohnCP	TMA	0.00
T-Mobile-4	RohnC1	EMS RR90-17-XXDP w/ ice	120.00
T-Mobile-5	RohnC1	TMA	120.00
T-Mobile-6	RohnC1	TMA	120.00
T-Mobile-7	RohnC2	EMS RR90-17-XXDP w/ ice	240.00
T-Mobile-8	RohnC2	TMA	240.00
T-Mobile-9	RohnC2	TMA	240.00
Verizon-A	RohnCaS	Boom Gate	0.00
Verizon-B	RohnCa1	Boom Gate	120.00
Verizon-C	RohnCa2	Boom Gate	240.00
Verizon-1	RohnCaS	Swedcom SCLP 2x6014	0.00
Verizon-2	RohnCaS	RFS APL866513-42T0	0.00
Verizon-3	RohnCaS	RFS APL866513-42T0	0.00
Verizon-4	RohnCaS	Amphenol BXA-171063-8BF	0.00
Verizon-5	RohnCa1	Swedcom SCLP 2x6014	120.00
Verizon-6	RohnCa1	Swedcom SWCP 2x5514	120.00

Verizon-7	RohnCa1	Swedcom SWCP 2x5514	120.00
Verizon-8	RohnCa1	Amphenol BXA-171063-8BF	120.00
Verizon-9	RohnCa2	Swedcom SCLP 2x6014	240.00
Verizon-10	RohnCa2	RFS APL866513-42T0	240.00
Verizon-11	RohnCa2	RFS APL866513-42T0	240.00
Verizon-12	RohnCa2	Amphenol BXA-171063-8BF	240.00
Verizon-13	RohnCaS	Diplexer	0.00
Verizon-14	RohnCaS	Diplexer	0.00
Verizon-15	RohnCa1	Diplexer	120.00
Verizon-16	RohnCa1	Diplexer	120.00
Verizon-17	RohnCa2	Diplexer	240.00
Verizon-18	RohnCa2	Diplexer	240.00
Sprint-A	RohnDP	12' T-Arm	0.00
Sprint-B	RohnD1	12' T-Arm	120.00
Sprint-C	RohnD2	12' T-Arm	240.00
Sprint-1	RohnDP	RFS APXVSPP18-C w/ ice	0.00
Sprint-2	RohnDP	ALU RRH	0.00
Sprint-3	RohnDP	ALU RRH	0.00
Sprint-4	RohnD1	RFS APXVSPP18-C w/ ice	120.00
Sprint-5	RohnD1	ALU RRH	120.00
Sprint-6	RohnD1	ALU RRH	120.00
Sprint-7	RohnD2	RFS APXVSPP18-C w/ ice	240.00
Sprint-8	RohnD2	ALU RRH	240.00
Sprint-9	RohnD2	ALU RRH	240.00
115-A	RohnDa1	3' Stand-Off	120.00
NEU-17	RohnDa1	12' Omni	120.00
105-A	RohnDb1	3' Stand-Off	120.00
NEU-19	RohnCa1	DB586-Y	120.00
85-A	RohnEb1	3' Stand-Off	120.00
GPS-53	RohnI2	GPS	240.00
GPS-68	RohnGP	GPS	0.00
CSP-69	RohnBP	Sinclair SC479-HF1LDF w/ ice	0.00
CSP-70	RohnBP	Sinclair SC479-HF1LDF w/ ice	0.00
CSP-71	RohnB1	Sinclair SC479-HF1LDF w/ ice	120.00
CSP-72	RohnBP	TMA	0.00
160	RohnBP	3' Stand-Off	0.00
CSP-66	RohnFP	RFS PD1142 w/ ice	0.00
DEP-54	RohnF2	RFS PD1142 w/ ice	240.00
DOT-56	RohnF1	Dipole	120.00

Linear Appurtenances:

Description	From (ft)	To (ft)	Quantity	Shape	Width or Diameter (in)	Perimeter (in)	Unit Weight (lbs/ft)	In Face Zone	Include in Wind Load
1-5/8"	2	180	47	Round	0	0	2.55	Yes	No
1/2"	2	180	3	Round	0	0	0.91	Yes	No
7/8"	2	180	9	Round	0	0	1.52	Yes	No
1-1/4"	2	180	2	Round	0	0	1.91	Yes	No
Full Cable Tray 2-150 (wind only)	2	150	2	Flat	24	0	0	Yes	Yes
Full Cable Tray 150-top (wind only)	150	180	1	Flat	24	0	0	Yes	Yes
Ellipitical	2	180	3	Round	0	0	2	Yes	No
3/8"	2	180	2	Round	0	0	0.65	Yes	No
Optic Fiber Cable	2	180	1	Round	0	0	0.3	Yes	No
DC Cable	2	180	2	Round	0	0	0.3	Yes	No
Hybriflex Cables	2	115	3	Round	0	0	0.37	Yes	No

*** Loads Data

Loads from file: c:\users\kevin_barker\documents\pls tower\vz5-140 - greenwich\vz5-140.eia

Structure Height Summary (used for calculating wind/ice adjust with height):
Structure height above ground 180.00 (ft)
Elevation of structure bottom for wind height adjustment: 0.00 (ft)
Structure height for structure gust response factor: 180.00 (ft)
Structure gust response factor, Gh: 1.1209
Guy installation temperature: 60.00 (deg F)
Tower Type: Triangular Lattice

EIA Rev. F Load Cases:

Load Case Description	Dead Load Factor	Wind Load Factor	Ice Load Factor	Strength Factor	Allowable Stress Increase Factor	Basic Wind Speed (mph)	Wind Dir. (Deg)	Ice Thick. (in)	Ice Density (lbs/ft^3)	Temperature (deg F)	Point Loads	Joint Displ.
W+I -90 deg	1.0000	1.0000	1.0000	1.0000	1.3333	90.000	-90	0.5000	56.0000	0.0		
W+I -60 deg	1.0000	1.0000	1.0000	1.0000	1.3333	90.000	-60	0.5000	56.0000	0.0		
W+I 0 deg	1.0000	1.0000	1.0000	1.0000	1.3333	90.000	0	0.5000	56.0000	0.0		
W+I 60 deg	1.0000	1.0000	1.0000	1.0000	1.3333	90.000	60	0.5000	56.0000	0.0		
W+I 90 deg	1.0000	1.0000	1.0000	1.0000	1.3333	90.000	90	0.5000	56.0000	0.0		
DL + Ice Only	1.0000	1.0000	1.0000	1.0000	1.3333	0.000	0	0.5000	56.0000	0.0		

Equipment Load Case Information for "W+I -90 deg":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	3' Stand-Off	180.00	37.72	0.50	1.50	90.00							0.00	-56.58	75.00
Top-B	3' Stand-Off	180.00	37.72	0.50	1.50	210.00							0.00	-56.58	75.00
Top-C1	3' Stand-Off	180.00	37.72	0.50	1.50	350.00							0.00	-56.58	75.00
Top-C2	3' Stand-Off	180.00	37.72	0.50	1.50	310.00							0.00	-56.58	75.00
CSP-67	Dipole	180.00	37.72	0.50	6.00	90.00							0.00	-226.30	71.00
NEU-20	9' Omni	180.00	37.72	0.50	5.85	210.00							0.00	-220.65	172.00
CSP-8	4' Dipole	170.00	37.11	0.50	2.00	210.00							0.00	-74.21	40.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	90.00							0.00	-246.67	69.80
CSP-4	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	330.00							0.00	-246.67	69.80
CSP-74	6' Dish with Radome	180.00	37.72	0.50	29.00	90.00							0.00	-1093.80	220.00
CSP-75	6' Dish with Radome	180.00	37.72	0.50	29.00	210.00							0.00	-1093.80	220.00
CSP-76	6' Dish with Radome	180.00	37.72	0.50	29.00	330.00							0.00	-1093.80	220.00
CSP-31	6' Dish with Radome	175.00	37.41	0.50	29.00	210.00							0.00	-1085.03	220.00
CSP-1	Scala OGT9-806 w/ ice	175.00	37.41	0.50	1.98	90.00							0.00	-74.08	22.70
CSP-2	Scala OGT9-806 w/ ice	175.00	37.41	0.50	1.98	330.00							0.00	-74.08	22.70
CSP-73	TMA	180.00	37.72	0.50	1.00	90.00							0.00	-37.72	15.00
TOG-7	5' Dish	170.00	37.11	0.50	20.00	90.00							0.00	-742.12	200.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	90.00							0.00	-26.78	11.60
TOG-6	DB586-Y	165.00	36.79	0.50	0.40	210.00							0.00	-14.72	10.00
SPD-9	GLF-940	165.00	36.79	0.50	20.00	210.00							0.00	-735.82	120.00
159-A	3' Stand-Off	160.00	36.47	0.50	1.50	210.00							0.00	-54.70	75.00
159-B	3' Stand-Off	160.00	36.47	0.50	1.50	330.00							0.00	-54.70	75.00
STAM-63	10x4.6x4 Panel	160.00	36.47	0.50	0.50	210.00							0.00	-18.23	20.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	330.00							0.00	-18.23	20.00
ATT-A	12' T-Arm	150.00	35.80	0.50	10.00	90.00							0.00	-358.03	600.00
ATT-B	12' T-Arm	150.00	35.80	0.50	10.00	210.00							0.00	-358.03	600.00
ATT-C	12' T-Arm	150.00	35.80	0.50	10.00	330.00							0.00	-358.03	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	90.00							0.00	-210.52	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	90.00							0.00	-300.74	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	90.00							0.00	-210.52	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	90.00							0.00	-195.12	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	90.00							0.00	-195.12	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	90.00							0.00	-35.80	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	90.00							0.00	-35.80	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	90.00							0.00	-35.80	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	90.00							0.00	-35.80	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	90.00							0.00	-45.47	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	210.00							0.00	-210.52	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	210.00							0.00	-300.74	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	210.00							0.00	-210.52	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	210.00							0.00	-195.12	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	210.00							0.00	-195.12	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	210.00							0.00	-35.80	15.00

ATT-B7	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	330.00	0.00	-210.52	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	330.00	0.00	-300.74	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	330.00	0.00	-210.52	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	330.00	0.00	-195.12	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	330.00	0.00	-195.12	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
143-A	3' Stand-Off	145.00	35.46	0.50	1.50	210.00	0.00	-53.19	75.00
NEU-18	12' Omni	140.00	35.10	0.50	2.40	90.00	0.00	-84.25	170.00
NEU-16	8' Omni	140.00	35.10	0.50	1.60	330.00	0.00	-56.17	160.00
T-Mobile-1	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	90.00	0.00	-167.45	40.40
T-Mobile-2	TMA	140.00	35.10	0.50	1.00	90.00	0.00	-35.10	15.00
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	90.00	0.00	-35.10	15.00
T-Mobile-4	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	210.00	0.00	-167.45	40.40
T-Mobile-5	TMA	140.00	35.10	0.50	1.00	210.00	0.00	-35.10	15.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	210.00	0.00	-35.10	15.00
T-Mobile-7	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	330.00	0.00	-167.45	40.40
T-Mobile-8	TMA	140.00	35.10	0.50	1.00	330.00	0.00	-35.10	15.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	330.00	0.00	-35.10	15.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	90.00	0.00	-844.69	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	210.00	0.00	-844.69	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	330.00	0.00	-844.69	470.00
Verizon-1	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	90.00	0.00	-264.83	70.50
Verizon-2	RFS APL866513-42T0	133.34	34.62	0.50	4.67	90.00	0.00	-161.67	51.30
Verizon-3	RFS APL866513-42T0	133.34	34.62	0.50	4.67	90.00	0.00	-161.67	51.30
Verizon-4	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	90.00	0.00	-112.51	33.70
Verizon-5	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	210.00	0.00	-264.83	70.50
Verizon-6	Swedcom SWCP 2x5514	133.34	34.62	0.50	7.44	210.00	0.00	-257.56	70.00
Verizon-7	Swedcom SWCP 2x5514	133.34	34.62	0.50	7.44	210.00	0.00	-257.56	70.00
Verizon-8	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	210.00	0.00	-112.51	33.70
Verizon-9	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	330.00	0.00	-264.83	70.50
Verizon-10	RFS APL866513-42T0	133.34	34.62	0.50	4.67	330.00	0.00	-161.67	51.30
Verizon-11	RFS APL866513-42T0	133.34	34.62	0.50	4.67	330.00	0.00	-161.67	51.30
Verizon-12	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	330.00	0.00	-112.51	33.70
Verizon-13	Diplexer	133.34	34.62	0.50	0.50	90.00	0.00	-17.31	10.00
Verizon-14	Diplexer	133.34	34.62	0.50	0.50	90.00	0.00	-17.31	10.00
Verizon-15	Diplexer	133.34	34.62	0.50	0.50	210.00	0.00	-17.31	10.00
Verizon-16	Diplexer	133.34	34.62	0.50	0.50	210.00	0.00	-17.31	10.00
Verizon-17	Diplexer	133.34	34.62	0.50	0.50	330.00	0.00	-17.31	10.00
Verizon-18	Diplexer	133.34	34.62	0.50	0.50	330.00	0.00	-17.31	10.00
Sprint-A	12' T-Arm	120.00	33.59	0.50	10.00	90.00	0.00	-335.91	600.00
Sprint-B	12' T-Arm	120.00	33.59	0.50	10.00	210.00	0.00	-335.91	600.00
Sprint-C	12' T-Arm	120.00	33.59	0.50	10.00	330.00	0.00	-335.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	90.00	0.00	-295.94	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	90.00	0.00	-81.96	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	90.00	0.00	-81.96	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	210.00	0.00	-295.94	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	210.00	0.00	-81.96	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	210.00	0.00	-81.96	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	330.00	0.00	-295.94	106.50
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	330.00	0.00	-81.96	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	330.00	0.00	-81.96	66.70
115-A	3' Stand-Off	113.34	33.05	0.50	1.50	210.00	0.00	-49.57	75.00
NEU-17	12' Omni	113.34	33.05	0.50	2.40	210.00	0.00	-79.31	170.00
105-A	3' Stand-Off	106.66	32.48	0.50	1.50	210.00	0.00	-48.72	75.00
NEU-19	DB586-Y	133.34	34.62	0.50	0.40	210.00	0.00	-13.85	10.00
85-A	3' Stand-Off	86.66	30.61	0.50	1.50	210.00	0.00	-45.91	75.00
GPS-53	GPS	20.00	23.23	0.50	1.00	330.00	0.00	-23.23	20.00
GPS-68	GPS	60.00	27.56	0.50	1.00	90.00	0.00	-27.56	20.00
CSP-69	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	90.00	0.00	-238.51	69.80
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	90.00	0.00	-238.51	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	210.00	0.00	-238.51	69.80
CSP-72	TMA	160.00	36.47	0.50	1.00	90.00	0.00	-36.47	15.00
160	3' Stand-Off	160.00	36.47	0.50	1.50	90.00	0.00	-54.70	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	90.00	0.00	-83.77	21.50
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	330.00	0.00	-83.77	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	210.00	0.00	-179.50	71.00

EIA Section Load Case Information for "W+I -90 deg":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.85	1.00	0.75	1.81	78.5	5266	0.00	2.00	0.00	1.20	0.00	0	5266	7725

B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.85	1.00	0.79	1.78	103.2	6581	0.00	2.00	0.00	1.20	0.00	0	6581	8365
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.85	1.00	0.80	1.78	123.2	7521	0.00	2.00	0.00	1.20	0.00	0	7521	8914
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.85	1.00	0.78	1.78	131.0	7652	0.00	2.00	0.00	1.20	0.00	0	7652	9743
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	0.85	1.00	0.77	1.79	141.6	7833	0.00	2.00	0.00	1.20	0.00	0	7833	12870
F	80.00	60.00	70.00	28.80	0.50	109.32	64.42	47.73	300.0	0.58	0.85	1.00	0.74	1.82	140.7	7366	0.00	2.00	0.00	1.20	0.00	0	7366	13407
G	60.00	40.00	50.00	26.16	0.50	111.79	71.64	52.31	327.3	0.56	0.85	1.00	0.73	1.83	147.3	7067	0.00	2.00	0.00	1.20	0.00	0	7067	15136
H	40.00	20.00	30.00	23.23	0.50	117.39	72.89	52.25	354.6	0.54	0.85	1.00	0.72	1.86	152.0	6558	0.00	2.00	0.00	1.20	0.00	0	6558	15903
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	0.85	1.00	0.71	1.88	156.7	6837	0.00	2.00	0.00	1.20	0.00	0	6837	17259

Equipment Load Case Information for "W+I -60 deg":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	3' Stand-Off	180.00	37.72	0.50	1.50	60.00							28.29	-49.00	75.00
Top-B	3' Stand-Off	180.00	37.72	0.50	1.50	180.00							28.29	-49.00	75.00
Top-C1	3' Stand-Off	180.00	37.72	0.50	1.50	320.00							28.29	-49.00	75.00
Top-C2	3' Stand-Off	180.00	37.72	0.50	1.50	280.00							28.29	-49.00	75.00
CSP-67	Dipole	180.00	37.72	0.50	6.00	60.00							113.15	-195.98	71.00
NEU-20	4' Omni	180.00	37.72	0.50	5.85	180.00							110.32	-191.08	172.00
CSP-8	4' Dipole	170.00	37.11	0.50	2.00	180.00							37.11	-64.27	40.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	60.00							123.34	-213.62	69.80
CSP-4	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	300.00							123.34	-213.62	69.80
CSP-74	6' Dish with Radome	180.00	37.72	0.50	29.00	60.00							546.90	-947.26	220.00
CSP-75	6' Dish with Radome	180.00	37.72	0.50	29.00	180.00							546.90	-947.26	220.00
CSP-76	6' Dish with Radome	180.00	37.72	0.50	29.00	300.00							546.90	-947.26	220.00
CSP-31	6' Dish with Radome	175.00	37.41	0.50	29.00	180.00							542.51	-939.66	220.00
CSP-1	Scala OGT9-806 w/ ice	175.00	37.41	0.50	1.98	60.00							37.04	-64.16	22.70
CSP-2	Scala OGT9-806 w/ ice	175.00	37.41	0.50	1.98	300.00							37.04	-64.16	22.70
CSP-73	TMA	180.00	37.72	0.50	1.00	60.00							18.86	-32.66	15.00
TOG-7	5' Dish	170.00	37.11	0.50	20.00	60.00							371.06	-642.70	200.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	60.00							13.39	-23.19	11.60
TOG-6	DB586-Y	165.00	36.79	0.50	0.40	180.00							7.36	-12.74	10.00
SPD-9	GLF-940	165.00	36.79	0.50	20.00	180.00							367.91	-637.24	120.00
159-A	3' Stand-Off	160.00	36.47	0.50	1.50	180.00							27.35	-47.37	75.00
159-B	3' Stand-Off	160.00	36.47	0.50	1.50	300.00							27.35	-47.37	75.00
STAM-63	10x4.6x4 Panel	160.00	36.47	0.50	0.50	180.00							9.12	-15.79	20.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	300.00							9.12	-15.79	20.00
ATT-A	12' T-Arm	150.00	35.80	0.50	10.00	60.00							179.01	-310.06	600.00
ATT-B	12' T-Arm	150.00	35.80	0.50	10.00	180.00							179.01	-310.06	600.00
ATT-C	12' T-Arm	150.00	35.80	0.50	10.00	300.00							179.01	-310.06	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	60.00							105.26	-182.32	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	60.00							150.37	-260.45	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	60.00							105.26	-182.32	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	60.00							97.56	-168.98	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	60.00							97.56	-168.98	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	60.00							17.90	-31.01	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	60.00							17.90	-31.01	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	60.00							17.90	-31.01	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	60.00							17.90	-31.01	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	60.00							22.73	-39.38	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	180.00							105.26	-182.32	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	180.00							150.37	-260.45	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	180.00							105.26	-182.32	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	180.00							97.56	-168.98	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	180.00							97.56	-168.98	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	180.00							17.90	-31.01	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	180.00							17.90	-31.01	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	180.00							17.90	-31.01	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	180.00							17.90	-31.01	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	300.00							105.26	-182.32	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	300.00							150.37	-260.45	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	300.00							105.26	-182.32	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	300.00							97.56	-168.98	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	300.00							97.56	-168.98	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	300.00							17.90	-31.01	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	300.00							17.90	-31.01	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	300.00							17.90	-31.01	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	300.00							17.90	-31.01	15.00
143-A	3' Stand-Off	145.00	35.46	0.50	1.50	180.00							26.59	-46.06	75.00
NEU-18	12' Omni	140.00	35.10	0.50	2.40	60.00							42.12	-72.96	170.00
NEU-16	4' Omni	140.00	35.10	0.50	1.60	300.00							28.08	-48.64	160.00
T-Mobile-1	EMS RR90-17-XXDF w/ ice	140.00	35.10	0.50	4.77	60.00							83.72	-145.01	40.40
T-Mobile-2	TMA	140.00	35.10	0.50	1.00	60.00							17.55	-30.40	15.00
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	60.00							17.55	-30.40	15.00
T-Mobile-4	EMS RR90-17-XXDF w/ ice	140.00	35.10	0.50	4.77	180.00							83.72	-145.01	40.40
T-Mobile-5	TMA	140.00	35.10	0.50	1.00	180.00							17.55	-30.40	15.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	180.00							17.55	-30.40	15.00

T-Mobile-7	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	300.00	83.72	-145.01	40.40
T-Mobile-8	TMA	140.00	35.10	0.50	1.00	300.00	17.55	-30.40	15.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	300.00	17.55	-30.40	15.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	60.00	422.34	-731.52	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	180.00	422.34	-731.52	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	300.00	422.34	-731.52	470.00
Verizon-1	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	60.00	132.42	-229.35	70.50
Verizon-2	RFS APL866513-42T0	133.34	34.62	0.50	4.67	60.00	80.83	-140.01	51.30
Verizon-3	RFS APL866513-42T0	133.34	34.62	0.50	4.67	60.00	80.83	-140.01	51.30
Verizon-4	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	60.00	56.25	-97.44	33.70
Verizon-5	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	180.00	132.42	-229.35	70.50
Verizon-6	Swedcom SWCP 2x5514	133.34	34.62	0.50	7.44	180.00	128.78	-223.05	70.00
Verizon-7	Swedcom SWCP 2x5514	133.34	34.62	0.50	7.44	180.00	128.78	-223.05	70.00
Verizon-8	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	180.00	56.25	-97.44	33.70
Verizon-9	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	300.00	132.42	-229.35	70.50
Verizon-10	RFS APL866513-42T0	133.34	34.62	0.50	4.67	300.00	80.83	-140.01	51.30
Verizon-11	RFS APL866513-42T0	133.34	34.62	0.50	4.67	300.00	80.83	-140.01	51.30
Verizon-12	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	300.00	56.25	-97.44	33.70
Verizon-13	Diplexer	133.34	34.62	0.50	0.50	60.00	8.65	-14.99	10.00
Verizon-14	Diplexer	133.34	34.62	0.50	0.50	60.00	8.65	-14.99	10.00
Verizon-15	Diplexer	133.34	34.62	0.50	0.50	180.00	8.65	-14.99	10.00
Verizon-16	Diplexer	133.34	34.62	0.50	0.50	180.00	8.65	-14.99	10.00
Verizon-17	Diplexer	133.34	34.62	0.50	0.50	300.00	8.65	-14.99	10.00
Verizon-18	Diplexer	133.34	34.62	0.50	0.50	300.00	8.65	-14.99	10.00
Sprint-A	12' T-Arm	120.00	33.59	0.50	10.00	60.00	167.96	-290.91	600.00
Sprint-B	12' T-Arm	120.00	33.59	0.50	10.00	180.00	167.96	-290.91	600.00
Sprint-C	12' T-Arm	120.00	33.59	0.50	10.00	300.00	167.96	-290.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	60.00	147.97	-256.29	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	60.00	40.98	-70.98	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	60.00	40.98	-70.98	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	180.00	147.97	-256.29	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	180.00	40.98	-70.98	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	180.00	40.98	-70.98	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	300.00	147.97	-256.29	106.50
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	300.00	40.98	-70.98	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	300.00	40.98	-70.98	66.70
115-A	3' Stand-Off	113.34	33.05	0.50	1.50	180.00	24.79	-42.93	75.00
NEU-17	12' Omni	113.34	33.05	0.50	2.40	180.00	39.66	-68.69	170.00
105-A	3' Stand-Off	106.66	32.48	0.50	1.50	180.00	24.36	-42.19	75.00
NEU-19	DB586-Y	133.34	34.62	0.50	0.40	180.00	6.92	-11.99	10.00
85-A	3' Stand-Off	86.66	30.61	0.50	1.50	180.00	22.96	-39.76	75.00
GPS-53	GPS	20.00	23.23	0.50	1.00	300.00	11.61	-20.12	20.00
GPS-68	GPS	60.00	27.56	0.50	1.00	60.00	13.78	-23.86	20.00
CSP-69	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	60.00	119.25	-206.55	69.80
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	60.00	119.25	-206.55	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	180.00	119.25	-206.55	69.80
CSP-72	TMA	160.00	36.47	0.50	1.00	60.00	18.23	-31.58	15.00
160	3' Stand-Off	160.00	36.47	0.50	1.50	60.00	27.35	-47.37	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	60.00	41.88	-72.54	21.50
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	300.00	41.88	-72.54	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	180.00	89.75	-155.45	71.00

EIA Section Load Case Information for "W+I -60 deg":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.80	1.00	0.75	1.81	75.6	5076	0.00	2.00	0.00	1.20	0.00	0	5076	7725
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.80	1.00	0.79	1.78	99.4	6337	0.00	2.00	0.00	1.20	0.00	0	6337	8365
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.80	1.00	0.80	1.78	118.3	7222	0.00	2.00	0.00	1.20	0.00	0	7222	8914
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.80	1.00	0.78	1.78	126.0	7359	0.00	2.00	0.00	1.20	0.00	0	7359	9743
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	0.80	1.00	0.77	1.79	136.2	7532	0.00	2.00	0.00	1.20	0.00	0	7532	12870
F	80.00	60.00	70.00	28.80	0.50	109.32	64.42	47.73	300.0	0.58	0.80	1.00	0.74	1.82	135.2	7079	0.00	2.00	0.00	1.20	0.00	0	7079	13407
G	60.00	40.00	50.00	26.16	0.50	111.79	71.64	52.31	327.3	0.56	0.80	1.00	0.73	1.83	141.7	6799	0.00	2.00	0.00	1.20	0.00	0	6799	15136
H	40.00	20.00	30.00	23.23	0.50	117.39	72.89	52.25	354.6	0.54	0.80	1.00	0.72	1.86	146.2	6305	0.00	2.00	0.00	1.20	0.00	0	6305	15903
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	0.80	1.00	0.71	1.88	150.8	6579	0.00	2.00	0.00	1.20	0.00	0	6579	17259

Equipment Load Case Information for "W+I 0 deg":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	3' Stand-Off	180.00	37.72	0.50	1.50	0.00							56.58	0.00	75.00
Top-B	3' Stand-Off	180.00	37.72	0.50	1.50	120.00							56.58	0.00	75.00
Top-C1	3' Stand-Off	180.00	37.72	0.50	1.50	260.00							56.58	0.00	75.00
Top-C2	3' Stand-Off	180.00	37.72	0.50	1.50	220.00							56.58	0.00	75.00
CSP-67	Dipole	180.00	37.72	0.50	6.00	0.00							226.30	0.00	71.00

NEU-20	9' Omni	180.00	37.72	0.50	5.85	120.00	220.65	0.00	172.00
CSP-8	4' Dipole	170.00	37.11	0.50	2.00	120.00	74.21	0.00	40.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	0.00	246.67	0.00	69.80
CSP-4	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	240.00	246.67	0.00	69.80
CSP-74	6' Dish with Radome	180.00	37.72	0.50	29.00	0.00	1093.80	0.00	220.00
CSP-75	6' Dish with Radome	180.00	37.72	0.50	29.00	120.00	1093.80	0.00	220.00
CSP-76	6' Dish with Radome	180.00	37.72	0.50	29.00	240.00	1093.80	0.00	220.00
CSP-31	6' Dish with Radome	175.00	37.41	0.50	29.00	120.00	1085.03	0.00	220.00
CSP-1	Scala OGT9-806 w/ ice	175.00	37.41	0.50	1.98	0.00	74.08	0.00	22.70
CSP-2	Scala OGT9-806 w/ ice	175.00	37.41	0.50	1.98	240.00	74.08	0.00	22.70
CSP-73	TMA	180.00	37.72	0.50	1.00	0.00	37.72	0.00	15.00
TOG-7	5' Dish	170.00	37.11	0.50	20.00	0.00	742.12	0.00	200.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	0.00	26.78	0.00	11.60
TOG-6	DB586-Y	165.00	36.79	0.50	0.40	120.00	14.72	0.00	10.00
SPD-9	GLF-940	165.00	36.79	0.50	20.00	120.00	735.82	0.00	120.00
159-A	3' Stand-Off	160.00	36.47	0.50	1.50	120.00	54.70	0.00	75.00
159-B	3' Stand-Off	160.00	36.47	0.50	1.50	240.00	54.70	0.00	75.00
STAM-63	10x4.6x4 Panel	160.00	36.47	0.50	0.50	120.00	18.23	0.00	20.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	240.00	18.23	0.00	20.00
ATT-A	12' T-Arm	150.00	35.80	0.50	10.00	0.00	358.03	0.00	600.00
ATT-B	12' T-Arm	150.00	35.80	0.50	10.00	120.00	358.03	0.00	600.00
ATT-C	12' T-Arm	150.00	35.80	0.50	10.00	240.00	358.03	0.00	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	0.00	210.52	0.00	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	0.00	300.74	0.00	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	0.00	210.52	0.00	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	0.00	195.12	0.00	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	0.00	195.12	0.00	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	0.00	35.80	0.00	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	0.00	35.80	0.00	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	0.00	35.80	0.00	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	0.00	35.80	0.00	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	0.00	45.47	0.00	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	120.00	210.52	0.00	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	120.00	300.74	0.00	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	120.00	210.52	0.00	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	120.00	195.12	0.00	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	120.00	195.12	0.00	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	120.00	35.80	0.00	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	120.00	35.80	0.00	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	120.00	35.80	0.00	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	120.00	35.80	0.00	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	240.00	210.52	0.00	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	240.00	300.74	0.00	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	240.00	210.52	0.00	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	240.00	195.12	0.00	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	240.00	195.12	0.00	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00
143-A	3' Stand-Off	145.00	35.46	0.50	1.50	120.00	53.19	0.00	75.00
NEU-18	12' Omni	140.00	35.10	0.50	2.40	0.00	84.25	0.00	170.00
NEU-16	4' Omni	140.00	35.10	0.50	1.60	240.00	56.17	0.00	160.00
T-Mobile-1	EMS RR90-17-XXDF w/ ice	140.00	35.10	0.50	4.77	0.00	167.45	0.00	40.40
T-Mobile-2	TMA	140.00	35.10	0.50	1.00	0.00	35.10	0.00	15.00
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	0.00	35.10	0.00	15.00
T-Mobile-4	EMS RR90-17-XXDF w/ ice	140.00	35.10	0.50	4.77	120.00	167.45	0.00	40.40
T-Mobile-5	TMA	140.00	35.10	0.50	1.00	120.00	35.10	0.00	15.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	120.00	35.10	0.00	15.00
T-Mobile-7	EMS RR90-17-XXDF w/ ice	140.00	35.10	0.50	4.77	240.00	167.45	0.00	40.40
T-Mobile-8	TMA	140.00	35.10	0.50	1.00	240.00	35.10	0.00	15.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	240.00	35.10	0.00	15.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	0.00	844.69	0.00	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	120.00	844.69	0.00	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	240.00	844.69	0.00	470.00
Verizon-1	Swedcom SCLF 2x6014	133.34	34.62	0.50	7.65	0.00	264.83	0.00	70.50
Verizon-2	RFS APL866513-42T0	133.34	34.62	0.50	4.67	0.00	161.67	0.00	51.30
Verizon-3	RFS APL866513-42T0	133.34	34.62	0.50	4.67	0.00	161.67	0.00	51.30
Verizon-4	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	0.00	112.51	0.00	33.70
Verizon-5	Swedcom SCLF 2x6014	133.34	34.62	0.50	7.65	120.00	264.83	0.00	70.50
Verizon-6	Swedcom SWCF 2x5514	133.34	34.62	0.50	7.44	120.00	257.56	0.00	70.00
Verizon-7	Swedcom SWCF 2x5514	133.34	34.62	0.50	7.44	120.00	257.56	0.00	70.00
Verizon-8	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	120.00	112.51	0.00	33.70
Verizon-9	Swedcom SCLF 2x6014	133.34	34.62	0.50	7.65	240.00	264.83	0.00	70.50
Verizon-10	RFS APL866513-42T0	133.34	34.62	0.50	4.67	240.00	161.67	0.00	51.30
Verizon-11	RFS APL866513-42T0	133.34	34.62	0.50	4.67	240.00	161.67	0.00	51.30
Verizon-12	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	240.00	112.51	0.00	33.70
Verizon-13	Diplexer	133.34	34.62	0.50	0.50	0.00	17.31	0.00	10.00
Verizon-14	Diplexer	133.34	34.62	0.50	0.50	0.00	17.31	0.00	10.00
Verizon-15	Diplexer	133.34	34.62	0.50	0.50	120.00	17.31	0.00	10.00
Verizon-16	Diplexer	133.34	34.62	0.50	0.50	120.00	17.31	0.00	10.00

Verizon-17	Diplexer	133.34	34.62	0.50	0.50	240.00														17.31	0.00	10.00
Verizon-18	Diplexer	133.34	34.62	0.50	0.50	240.00														17.31	0.00	10.00
Sprint-A	12' T-Arm	120.00	33.59	0.50	10.00	0.00														335.91	0.00	600.00
Sprint-B	12' T-Arm	120.00	33.59	0.50	10.00	120.00														335.91	0.00	600.00
Sprint-C	12' T-Arm	120.00	33.59	0.50	10.00	240.00														335.91	0.00	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	0.00														295.94	0.00	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	0.00														81.96	0.00	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	0.00														81.96	0.00	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	120.00														295.94	0.00	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	120.00														81.96	0.00	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	120.00														81.96	0.00	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	240.00														295.94	0.00	106.50
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	240.00														81.96	0.00	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	240.00														81.96	0.00	66.70
115-A	3' Stand-Off	113.34	33.05	0.50	1.50	120.00														49.57	0.00	75.00
NEU-17	12' Omni	113.34	33.05	0.50	2.40	120.00														79.31	0.00	170.00
105-A	3' Stand-Off	106.66	32.48	0.50	1.50	120.00														48.72	0.00	75.00
NEU-19	DB586-Y	133.34	34.62	0.50	0.40	120.00														13.85	0.00	10.00
85-A	3' Stand-Off	86.66	30.61	0.50	1.50	120.00														45.91	0.00	75.00
GPS-53	GPS	20.00	23.23	0.50	1.00	240.00														23.23	0.00	20.00
GPS-68	GPS	60.00	27.56	0.50	1.00	0.00														27.56	0.00	20.00
CSP-69	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	0.00														238.51	0.00	69.80
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	0.00														238.51	0.00	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	120.00														238.51	0.00	69.80
CSP-72	TMA	160.00	36.47	0.50	1.00	0.00														36.47	0.00	15.00
160	3' Stand-Off	160.00	36.47	0.50	1.50	0.00														54.70	0.00	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	0.00														83.77	0.00	21.50
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	240.00														83.77	0.00	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	120.00														179.50	0.00	71.00

EIA Section Load Case Information for "W+I 0 deg":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	1.00	1.00	0.75	1.81	87.0	5835	0.00	2.00	0.00	1.20	0.00	0	5835	7725
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	1.00	1.00	0.79	1.78	114.7	7312	0.00	2.00	0.00	1.20	0.00	0	7312	8365
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	1.00	1.00	0.80	1.78	137.8	8416	0.00	2.00	0.00	1.20	0.00	0	8416	8914
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	1.00	1.00	0.78	1.78	146.0	8530	0.00	2.00	0.00	1.20	0.00	0	8530	9743
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	1.00	1.00	0.77	1.79	158.0	8738	0.00	2.00	0.00	1.20	0.00	0	8738	12870
F	80.00	60.00	70.00	28.80	0.50	109.32	64.42	47.73	300.0	0.58	1.00	1.00	0.74	1.82	157.1	8224	0.00	2.00	0.00	1.20	0.00	0	8224	13407
G	60.00	40.00	50.00	26.16	0.50	111.79	71.64	52.31	327.3	0.56	1.00	1.00	0.73	1.83	164.1	7872	0.00	2.00	0.00	1.20	0.00	0	7872	15136
H	40.00	20.00	30.00	23.23	0.50	117.39	72.89	52.25	354.6	0.54	1.00	1.00	0.72	1.86	169.6	7318	0.00	2.00	0.00	1.20	0.00	0	7318	15903
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	1.00	1.00	0.71	1.88	174.5	7613	0.00	2.00	0.00	1.20	0.00	0	7613	17259

Equipment Load Case Information for "W+I 60 deg":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	3' Stand-Off	180.00	37.72	0.50	1.50	300.00							28.29	49.00	75.00
Top-B	3' Stand-Off	180.00	37.72	0.50	1.50	60.00							28.29	49.00	75.00
Top-C1	3' Stand-Off	180.00	37.72	0.50	1.50	200.00							28.29	49.00	75.00
Top-C2	3' Stand-Off	180.00	37.72	0.50	1.50	160.00							28.29	49.00	75.00
CSP-67	Dipole	180.00	37.72	0.50	6.00	300.00							113.15	195.98	71.00
NEU-20	9' Omni	180.00	37.72	0.50	5.85	60.00							110.32	191.08	172.00
CSP-8	4' Dipole	170.00	37.11	0.50	2.00	60.00							37.11	64.27	40.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	300.00							123.34	213.62	69.80
CSP-4	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	180.00							123.34	213.62	69.80
CSP-74	6' Dish with Radome	180.00	37.72	0.50	29.00	300.00							546.90	947.26	220.00
CSP-75	6' Dish with Radome	180.00	37.72	0.50	29.00	60.00							546.90	947.26	220.00
CSP-76	6' Dish with Radome	180.00	37.72	0.50	29.00	180.00							546.90	947.26	220.00
CSP-31	6' Dish with Radome	175.00	37.41	0.50	29.00	60.00							542.51	939.66	220.00
CSP-1	Scala OGT9-806 w/ ice	175.00	37.41	0.50	1.98	300.00							37.04	64.16	22.70
CSP-2	Scala OGT9-806 w/ ice	175.00	37.41	0.50	1.98	180.00							37.04	64.16	22.70
CSP-73	TMA	180.00	37.72	0.50	1.00	300.00							18.86	32.66	15.00
TOG-7	5' Dish	170.00	37.11	0.50	20.00	300.00							371.06	642.70	200.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	300.00							13.39	23.19	11.60
TOG-6	DB586-Y	165.00	36.79	0.50	0.40	60.00							7.36	12.74	10.00
SPD-9	GLF-940	165.00	36.79	0.50	20.00	60.00							367.91	637.24	120.00
159-A	3' Stand-Off	160.00	36.47	0.50	1.50	60.00							27.35	47.37	75.00
159-B	3' Stand-Off	160.00	36.47	0.50	1.50	180.00							27.35	47.37	75.00
STAM-63	10x4.6x4 Panel	160.00	36.47	0.50	0.50	60.00							9.12	15.79	20.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	180.00							9.12	15.79	20.00
ATT-A	12' T-Arm	150.00	35.80	0.50	10.00	300.00							179.01	310.06	600.00
ATT-B	12' T-Arm	150.00	35.80	0.50	10.00	60.00							179.01	310.06	600.00
ATT-C	12' T-Arm	150.00	35.80	0.50	10.00	180.00							179.01	310.06	600.00

ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	300.00	105.26	182.32	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	300.00	150.37	260.45	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	300.00	105.26	182.32	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	300.00	97.56	168.98	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	300.00	97.56	168.98	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	300.00	22.73	39.38	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	60.00	105.26	182.32	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	60.00	150.37	260.45	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	60.00	105.26	182.32	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	60.00	97.56	168.98	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	60.00	97.56	168.98	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	180.00	105.26	182.32	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	180.00	150.37	260.45	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	180.00	105.26	182.32	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	180.00	97.56	168.98	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	180.00	97.56	168.98	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00
143-A	3' Stand-Off	145.00	35.46	0.50	1.50	60.00	26.59	46.06	75.00
NEU-18	12' Omni	140.00	35.10	0.50	2.40	300.00	42.12	72.96	170.00
NEU-16	8' Omni	140.00	35.10	0.50	1.60	180.00	28.08	48.64	160.00
T-Mobile-1	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	300.00	83.72	145.01	40.40
T-Mobile-2	TMA	140.00	35.10	0.50	1.00	300.00	17.55	30.40	15.00
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	300.00	17.55	30.40	15.00
T-Mobile-4	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	60.00	83.72	145.01	40.40
T-Mobile-5	TMA	140.00	35.10	0.50	1.00	60.00	17.55	30.40	15.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	60.00	17.55	30.40	15.00
T-Mobile-7	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	180.00	83.72	145.01	40.40
T-Mobile-8	TMA	140.00	35.10	0.50	1.00	180.00	17.55	30.40	15.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	180.00	17.55	30.40	15.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	300.00	422.34	731.52	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	60.00	422.34	731.52	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	180.00	422.34	731.52	470.00
Verizon-1	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	300.00	132.42	229.35	70.50
Verizon-2	RFS APL866513-42T0	133.34	34.62	0.50	4.67	300.00	80.83	140.01	51.30
Verizon-3	RFS APL866513-42T0	133.34	34.62	0.50	4.67	300.00	80.83	140.01	51.30
Verizon-4	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	300.00	56.25	97.44	33.70
Verizon-5	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	60.00	132.42	229.35	70.50
Verizon-6	Swedcom SWCP 2x5514	133.34	34.62	0.50	7.44	60.00	128.78	223.05	70.00
Verizon-7	Swedcom SWCP 2x5514	133.34	34.62	0.50	7.44	60.00	128.78	223.05	70.00
Verizon-8	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	60.00	56.25	97.44	33.70
Verizon-9	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	180.00	132.42	229.35	70.50
Verizon-10	RFS APL866513-42T0	133.34	34.62	0.50	4.67	180.00	80.83	140.01	51.30
Verizon-11	RFS APL866513-42T0	133.34	34.62	0.50	4.67	180.00	80.83	140.01	51.30
Verizon-12	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	180.00	56.25	97.44	33.70
Verizon-13	Diplexer	133.34	34.62	0.50	0.50	300.00	8.65	14.99	10.00
Verizon-14	Diplexer	133.34	34.62	0.50	0.50	300.00	8.65	14.99	10.00
Verizon-15	Diplexer	133.34	34.62	0.50	0.50	60.00	8.65	14.99	10.00
Verizon-16	Diplexer	133.34	34.62	0.50	0.50	60.00	8.65	14.99	10.00
Verizon-17	Diplexer	133.34	34.62	0.50	0.50	180.00	8.65	14.99	10.00
Verizon-18	Diplexer	133.34	34.62	0.50	0.50	180.00	8.65	14.99	10.00
Sprint-A	12' T-Arm	120.00	33.59	0.50	10.00	300.00	167.96	290.91	600.00
Sprint-B	12' T-Arm	120.00	33.59	0.50	10.00	60.00	167.96	290.91	600.00
Sprint-C	12' T-Arm	120.00	33.59	0.50	10.00	180.00	167.96	290.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	300.00	147.97	256.29	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	300.00	40.98	70.98	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	300.00	40.98	70.98	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	60.00	147.97	256.29	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	60.00	40.98	70.98	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	60.00	40.98	70.98	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	180.00	147.97	256.29	106.50
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	180.00	40.98	70.98	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	180.00	40.98	70.98	66.70
115-A	3' Stand-Off	113.34	33.05	0.50	1.50	60.00	24.79	42.93	75.00
NEU-17	12' Omni	113.34	33.05	0.50	2.40	60.00	39.66	68.69	170.00
105-A	3' Stand-Off	106.66	32.48	0.50	1.50	60.00	24.36	42.19	75.00
NEU-19	PB586-Y	133.34	34.62	0.50	0.40	60.00	6.92	11.99	10.00
85-A	3' Stand-Off	86.66	30.61	0.50	1.50	60.00	22.96	39.76	75.00
GPS-53	GPS	20.00	23.23	0.50	1.00	180.00	11.61	20.12	20.00
GPS-68	GPS	60.00	27.56	0.50	1.00	300.00	13.78	23.86	20.00
CSP-69	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	300.00	119.25	206.55	69.80

CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	300.00															119.25	206.55	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	60.00															119.25	206.55	69.80
CSP-72	TMA	160.00	36.47	0.50	1.00	300.00															18.23	31.58	15.00
160	3' Stand-Off	160.00	36.47	0.50	1.50	300.00															27.35	47.37	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	300.00															41.88	72.54	21.50
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	180.00															41.88	72.54	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	60.00															89.75	155.45	71.00

EIA Section Load Case Information for "W+I 60 deg":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.80	1.00	0.75	1.81	75.6	5076	0.00	2.00	0.00	1.20	0.00	0	5076	7725
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.80	1.00	0.79	1.78	99.4	6337	0.00	2.00	0.00	1.20	0.00	0	6337	8365
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.80	1.00	0.80	1.78	118.3	7222	0.00	2.00	0.00	1.20	0.00	0	7222	8914
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.80	1.00	0.78	1.78	126.0	7359	0.00	2.00	0.00	1.20	0.00	0	7359	9743
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	0.80	1.00	0.77	1.79	136.2	7532	0.00	2.00	0.00	1.20	0.00	0	7532	12870
F	80.00	60.00	70.00	28.80	0.50	109.32	64.42	47.73	300.0	0.58	0.80	1.00	0.74	1.82	135.2	7079	0.00	2.00	0.00	1.20	0.00	0	7079	13407
G	60.00	40.00	50.00	26.16	0.50	111.79	71.64	52.31	327.3	0.56	0.80	1.00	0.73	1.83	141.7	6799	0.00	2.00	0.00	1.20	0.00	0	6799	15136
H	40.00	20.00	30.00	23.23	0.50	117.39	72.89	52.25	354.6	0.54	0.80	1.00	0.72	1.86	146.2	6305	0.00	2.00	0.00	1.20	0.00	0	6305	15903
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	0.80	1.00	0.71	1.88	150.8	6579	0.00	2.00	0.00	1.20	0.00	0	6579	17259

Equipment Load Case Information for "W+I 90 deg":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	3' Stand-Off	180.00	37.72	0.50	1.50	270.00							0.00	56.58	75.00
Top-B	3' Stand-Off	180.00	37.72	0.50	1.50	30.00							0.00	56.58	75.00
Top-C1	3' Stand-Off	180.00	37.72	0.50	1.50	170.00							0.00	56.58	75.00
Top-C2	3' Stand-Off	180.00	37.72	0.50	1.50	130.00							0.00	56.58	75.00
CSP-67	Dipole	180.00	37.72	0.50	6.00	270.00							0.00	226.30	71.00
NEU-20	9' Omni	180.00	37.72	0.50	5.85	30.00							0.00	220.65	172.00
CSP-8	4' Dipole	170.00	37.11	0.50	2.00	30.00							0.00	74.21	40.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	270.00							0.00	246.67	69.80
CSP-4	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	150.00							0.00	246.67	69.80
CSP-74	6' Dish with Radome	180.00	37.72	0.50	29.00	270.00							0.00	1093.80	220.00
CSP-75	6' Dish with Radome	180.00	37.72	0.50	29.00	30.00							0.00	1093.80	220.00
CSP-76	6' Dish with Radome	180.00	37.72	0.50	29.00	150.00							0.00	1093.80	220.00
CSP-31	6' Dish with Radome	175.00	37.41	0.50	29.00	30.00							0.00	1085.03	220.00
CSP-1	Scala OGT9-806 w/ ice	175.00	37.41	0.50	1.98	270.00							0.00	74.08	22.70
CSP-2	Scala OGT9-806 w/ ice	175.00	37.41	0.50	1.98	150.00							0.00	74.08	22.70
CSP-73	TMA	180.00	37.72	0.50	1.00	270.00							0.00	37.72	15.00
TOG-7	5' Dish	170.00	37.11	0.50	20.00	270.00							0.00	742.12	200.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	270.00							0.00	26.78	11.60
TOG-6	DB586-Y	165.00	36.79	0.50	0.40	30.00							0.00	14.72	10.00
SPD-9	GLF-940	165.00	36.79	0.50	20.00	30.00							0.00	735.82	120.00
159-A	3' Stand-Off	160.00	36.47	0.50	1.50	30.00							0.00	54.70	75.00
159-B	3' Stand-Off	160.00	36.47	0.50	1.50	150.00							0.00	54.70	75.00
STAM-63	10x4.6x4 Panel	160.00	36.47	0.50	0.50	30.00							0.00	18.23	20.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	150.00							0.00	18.23	20.00
ATT-A	12' T-Arm	150.00	35.80	0.50	10.00	270.00							0.00	358.03	600.00
ATT-B	12' T-Arm	150.00	35.80	0.50	10.00	30.00							0.00	358.03	600.00
ATT-C	12' T-Arm	150.00	35.80	0.50	10.00	150.00							0.00	358.03	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	270.00							0.00	210.52	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	270.00							0.00	300.74	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	270.00							0.00	210.52	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	270.00							0.00	195.12	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	270.00							0.00	195.12	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	270.00							0.00	35.80	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	270.00							0.00	35.80	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	270.00							0.00	35.80	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	270.00							0.00	35.80	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	270.00							0.00	45.47	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	30.00							0.00	210.52	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	30.00							0.00	300.74	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	30.00							0.00	210.52	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	30.00							0.00	195.12	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	30.00							0.00	195.12	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	30.00							0.00	35.80	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	30.00							0.00	35.80	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	30.00							0.00	35.80	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	30.00							0.00	35.80	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	150.00							0.00	210.52	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	150.00							0.00	300.74	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	150.00							0.00	210.52	35.00

ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	150.00	0.00	195.12	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	150.00	0.00	195.12	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
143-A	3' Stand-Off	145.00	35.46	0.50	1.50	30.00	0.00	53.19	75.00
NEU-18	12' Omni	140.00	35.10	0.50	2.40	270.00	0.00	84.25	170.00
NEU-16	9' Omni	140.00	35.10	0.50	1.60	150.00	0.00	56.17	160.00
T-Mobile-1	EMS RR90-17-XXDF w/ ice	140.00	35.10	0.50	4.77	270.00	0.00	167.45	40.40
T-Mobile-2	TMA	140.00	35.10	0.50	1.00	270.00	0.00	35.10	15.00
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	270.00	0.00	35.10	15.00
T-Mobile-4	EMS RR90-17-XXDF w/ ice	140.00	35.10	0.50	4.77	30.00	0.00	167.45	40.40
T-Mobile-5	TMA	140.00	35.10	0.50	1.00	30.00	0.00	35.10	15.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	30.00	0.00	35.10	15.00
T-Mobile-7	EMS RR90-17-XXDF w/ ice	140.00	35.10	0.50	4.77	150.00	0.00	167.45	40.40
T-Mobile-8	TMA	140.00	35.10	0.50	1.00	150.00	0.00	35.10	15.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	150.00	0.00	35.10	15.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	270.00	0.00	844.69	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	30.00	0.00	844.69	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	150.00	0.00	844.69	470.00
Verizon-1	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	270.00	0.00	264.83	70.50
Verizon-2	RFS APL866513-42T0	133.34	34.62	0.50	4.67	270.00	0.00	161.67	51.30
Verizon-3	RFS APL866513-42T0	133.34	34.62	0.50	4.67	270.00	0.00	161.67	51.30
Verizon-4	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	270.00	0.00	112.51	33.70
Verizon-5	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	30.00	0.00	264.83	70.50
Verizon-6	Swedcom SWCP 2x5514	133.34	34.62	0.50	7.44	30.00	0.00	257.56	70.00
Verizon-7	Swedcom SWCP 2x5514	133.34	34.62	0.50	7.44	30.00	0.00	257.56	70.00
Verizon-8	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	30.00	0.00	112.51	33.70
Verizon-9	Swedcom SCLP 2x6014	133.34	34.62	0.50	7.65	150.00	0.00	264.83	70.50
Verizon-10	RFS APL866513-42T0	133.34	34.62	0.50	4.67	150.00	0.00	161.67	51.30
Verizon-11	RFS APL866513-42T0	133.34	34.62	0.50	4.67	150.00	0.00	161.67	51.30
Verizon-12	Amphenol BXA-171063-8BF	133.34	34.62	0.50	3.25	150.00	0.00	112.51	33.70
Verizon-13	Diplexer	133.34	34.62	0.50	0.50	270.00	0.00	17.31	10.00
Verizon-14	Diplexer	133.34	34.62	0.50	0.50	270.00	0.00	17.31	10.00
Verizon-15	Diplexer	133.34	34.62	0.50	0.50	30.00	0.00	17.31	10.00
Verizon-16	Diplexer	133.34	34.62	0.50	0.50	30.00	0.00	17.31	10.00
Verizon-17	Diplexer	133.34	34.62	0.50	0.50	150.00	0.00	17.31	10.00
Verizon-18	Diplexer	133.34	34.62	0.50	0.50	150.00	0.00	17.31	10.00
Sprint-A	12' T-Arm	120.00	33.59	0.50	10.00	270.00	0.00	335.91	600.00
Sprint-B	12' T-Arm	120.00	33.59	0.50	10.00	30.00	0.00	335.91	600.00
Sprint-C	12' T-Arm	120.00	33.59	0.50	10.00	150.00	0.00	335.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	270.00	0.00	295.94	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	270.00	0.00	81.96	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	270.00	0.00	81.96	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	30.00	0.00	295.94	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	30.00	0.00	81.96	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	30.00	0.00	81.96	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	150.00	0.00	295.94	106.50
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	150.00	0.00	81.96	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	150.00	0.00	81.96	66.70
115-A	3' Stand-Off	113.34	33.05	0.50	1.50	30.00	0.00	49.57	75.00
NEU-17	12' Omni	113.34	33.05	0.50	2.40	30.00	0.00	79.31	170.00
105-A	3' Stand-Off	106.66	32.48	0.50	1.50	30.00	0.00	48.72	75.00
NEU-19	DB586-Y	133.34	34.62	0.50	0.40	30.00	0.00	13.85	10.00
85-A	3' Stand-Off	86.66	30.61	0.50	1.50	30.00	0.00	45.91	75.00
GPS-53	GPS	20.00	23.23	0.50	1.00	150.00	0.00	23.23	20.00
GPS-68	GPS	60.00	27.56	0.50	1.00	270.00	0.00	27.56	20.00
CSP-69	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	270.00	0.00	238.51	69.80
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	270.00	0.00	238.51	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	30.00	0.00	238.51	69.80
CSP-72	TMA	160.00	36.47	0.50	1.00	270.00	0.00	36.47	15.00
160	3' Stand-Off	160.00	36.47	0.50	1.50	270.00	0.00	54.70	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	270.00	0.00	83.77	21.50
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	150.00	0.00	83.77	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	30.00	0.00	179.50	71.00

EIA Section Load Case Information for "W+I 90 deg":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.85	1.00	0.75	1.81	78.5	5266	0.00	2.00	0.00	1.20	0.00	0	5266	7725
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.85	1.00	0.79	1.78	103.2	6581	0.00	2.00	0.00	1.20	0.00	0	6581	8365
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.85	1.00	0.80	1.78	123.2	7521	0.00	2.00	0.00	1.20	0.00	0	7521	8914
D	120.00	100.00	110.00	32.77	0.50	109.24	58.49	45.80	245.5	0.65	0.85	1.00	0.78	1.78	131.0	7652	0.00	2.00	0.00	1.20	0.00	0	7652	9743
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	0.85	1.00	0.77	1.79	141.6	7833	0.00	2.00	0.00	1.20	0.00	0	7833	12870
F	80.00	60.00	70.00	28.80	0.50	109.32	64.42	47.73	300.0	0.58	0.85	1.00	0.74	1.82	140.7	7366	0.00	2.00	0.00	1.20	0.00	0	7366	13407
G	60.00	40.00	50.00	26.16	0.50	111.79	71.64	52.31	327.3	0.56	0.85	1.00	0.73	1.83	147.3	7067	0.00	2.00	0.00	1.20	0.00	0	7067	15136

H	40.00	20.00	30.00	23.23	0.50	117.39	72.89	52.25	354.6	0.54	0.85	1.00	0.72	1.86	152.0	6558	0.00	2.00	0.00	1.20	0.00	0	6558	15903
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	0.85	1.00	0.71	1.88	156.7	6837	0.00	2.00	0.00	1.20	0.00	0	6837	17259

Equipment Load Case Information for "DL + Ice Only":

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	3' Stand-Off	180.00	0.00	0.50	1.50	0.00							0.00	0.00	75.00
Top-B	3' Stand-Off	180.00	0.00	0.50	1.50	120.00							0.00	0.00	75.00
Top-C1	3' Stand-Off	180.00	0.00	0.50	1.50	260.00							0.00	0.00	75.00
Top-C2	3' Stand-Off	180.00	0.00	0.50	1.50	220.00							0.00	0.00	75.00
CSP-67	Dipole	180.00	0.00	0.50	6.00	0.00							0.00	0.00	71.00
NEU-20	9' Omni	180.00	0.00	0.50	5.85	120.00							0.00	0.00	172.00
CSP-8	4' Dipole	170.00	0.00	0.50	2.00	120.00							0.00	0.00	40.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	0.00	0.50	6.54	0.00							0.00	0.00	69.80
CSP-4	Sinclair SC479-HF1LDF w/ ice	180.00	0.00	0.50	6.54	240.00							0.00	0.00	69.80
CSP-74	6' Dish with Radome	180.00	0.00	0.50	29.00	0.00							0.00	0.00	220.00
CSP-75	6' Dish with Radome	180.00	0.00	0.50	29.00	120.00							0.00	0.00	220.00
CSP-76	6' Dish with Radome	180.00	0.00	0.50	29.00	240.00							0.00	0.00	220.00
CSP-31	6' Dish with Radome	175.00	0.00	0.50	29.00	120.00							0.00	0.00	220.00
CSP-1	Scala OGT9-806 w/ ice	175.00	0.00	0.50	1.98	0.00							0.00	0.00	22.70
CSP-2	Scala OGT9-806 w/ ice	175.00	0.00	0.50	1.98	240.00							0.00	0.00	22.70
CSP-73	TMA	180.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
TOG-7	5' Dish	170.00	0.00	0.50	20.00	0.00							0.00	0.00	200.00
TOG-5	Andrew DB-583 w/ ice	180.00	0.00	0.50	0.71	0.00							0.00	0.00	11.60
TOG-6	DB586-Y	165.00	0.00	0.50	0.40	120.00							0.00	0.00	10.00
SPD-9	GLF-940	165.00	0.00	0.50	20.00	120.00							0.00	0.00	120.00
159-A	3' Stand-Off	160.00	0.00	0.50	1.50	120.00							0.00	0.00	75.00
159-B	3' Stand-Off	160.00	0.00	0.50	1.50	240.00							0.00	0.00	75.00
STAM-63	10x4.6x4 Panel	160.00	0.00	0.50	0.50	120.00							0.00	0.00	20.00
STAM-65	10x4.6x4 Panel	160.00	0.00	0.50	0.50	240.00							0.00	0.00	20.00
ATT-A	12' T-Arm	150.00	0.00	0.50	10.00	0.00							0.00	0.00	600.00
ATT-B	12' T-Arm	150.00	0.00	0.50	10.00	120.00							0.00	0.00	600.00
ATT-C	12' T-Arm	150.00	0.00	0.50	10.00	240.00							0.00	0.00	600.00
ATT-A1	Powerwave 7770	150.00	0.00	0.50	5.88	0.00							0.00	0.00	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	0.00	0.50	8.40	0.00							0.00	0.00	65.00
ATT-A3	Powerwave 7770	150.00	0.00	0.50	5.88	0.00							0.00	0.00	35.00
ATT-A4	Ericsson RRU	150.00	0.00	0.50	5.45	0.00							0.00	0.00	80.00
ATT-A5	Ericsson RRU	150.00	0.00	0.50	5.45	0.00							0.00	0.00	80.00
ATT-A6	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A7	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A8	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A9	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A10	Raycap Surge Suppressor	150.00	0.00	0.50	1.27	0.00							0.00	0.00	20.00
ATT-B1	Powerwave 7770	150.00	0.00	0.50	5.88	120.00							0.00	0.00	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	0.00	0.50	8.40	120.00							0.00	0.00	65.00
ATT-B3	Powerwave 7770	150.00	0.00	0.50	5.88	120.00							0.00	0.00	35.00
ATT-B4	Ericsson RRU	150.00	0.00	0.50	5.45	120.00							0.00	0.00	80.00
ATT-B5	Ericsson RRU	150.00	0.00	0.50	5.45	120.00							0.00	0.00	80.00
ATT-B6	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-B7	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-B8	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-B9	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-C1	Powerwave 7770	150.00	0.00	0.50	5.88	240.00							0.00	0.00	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	0.00	0.50	8.40	240.00							0.00	0.00	65.00
ATT-C3	Powerwave 7770	150.00	0.00	0.50	5.88	240.00							0.00	0.00	35.00
ATT-C4	Ericsson RRU	150.00	0.00	0.50	5.45	240.00							0.00	0.00	80.00
ATT-C5	Ericsson RRU	150.00	0.00	0.50	5.45	240.00							0.00	0.00	80.00
ATT-C6	TMA	150.00	0.00	0.50	1.00	240.00							0.00	0.00	15.00
ATT-C7	TMA	150.00	0.00	0.50	1.00	240.00							0.00	0.00	15.00
ATT-C8	TMA	150.00	0.00	0.50	1.00	240.00							0.00	0.00	15.00
ATT-C9	TMA	150.00	0.00	0.50	1.00	240.00							0.00	0.00	15.00
143-A	3' Stand-Off	145.00	0.00	0.50	1.50	120.00							0.00	0.00	75.00
NEU-18	12' Omni	140.00	0.00	0.50	2.40	0.00							0.00	0.00	170.00
NEU-16	8' Omni	140.00	0.00	0.50	1.60	240.00							0.00	0.00	160.00
T-Mobile-1	EMS RR90-17-XXDP w/ ice	140.00	0.00	0.50	4.77	0.00							0.00	0.00	40.40
T-Mobile-2	TMA	140.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
T-Mobile-3	TMA	140.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
T-Mobile-4	EMS RR90-17-XXDP w/ ice	140.00	0.00	0.50	4.77	120.00							0.00	0.00	40.40
T-Mobile-5	TMA	140.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
T-Mobile-6	TMA	140.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
T-Mobile-7	EMS RR90-17-XXDP w/ ice	140.00	0.00	0.50	4.77	240.00							0.00	0.00	40.40
T-Mobile-8	TMA	140.00	0.00	0.50	1.00	240.00							0.00	0.00	15.00
T-Mobile-9	TMA	140.00	0.00	0.50	1.00	240.00							0.00	0.00	15.00
Verizon-A	Boom Gate	133.34	0.00	0.50	24.40	0.00							0.00	0.00	470.00
Verizon-B	Boom Gate	133.34	0.00	0.50	24.40	120.00							0.00	0.00	470.00
Verizon-C	Boom Gate	133.34	0.00	0.50	24.40	240.00							0.00	0.00	470.00

Verizon-1	Swedcom SCLP 2x6014	133.34	0.00	0.50	7.65	0.00	0.00	0.00	70.50
Verizon-2	RFS APL866513-42T0	133.34	0.00	0.50	4.67	0.00	0.00	0.00	51.30
Verizon-3	RFS APL866513-42T0	133.34	0.00	0.50	4.67	0.00	0.00	0.00	51.30
Verizon-4	Amphenol BXA-171063-8BF	133.34	0.00	0.50	3.25	0.00	0.00	0.00	33.70
Verizon-5	Swedcom SCLP 2x6014	133.34	0.00	0.50	7.65	120.00	0.00	0.00	70.50
Verizon-6	Swedcom SWCP 2x5514	133.34	0.00	0.50	7.44	120.00	0.00	0.00	70.00
Verizon-7	Swedcom SWCP 2x5514	133.34	0.00	0.50	7.44	120.00	0.00	0.00	70.00
Verizon-8	Amphenol BXA-171063-8BF	133.34	0.00	0.50	3.25	120.00	0.00	0.00	33.70
Verizon-9	Swedcom SCLP 2x6014	133.34	0.00	0.50	7.65	240.00	0.00	0.00	70.50
Verizon-10	RFS APL866513-42T0	133.34	0.00	0.50	4.67	240.00	0.00	0.00	51.30
Verizon-11	RFS APL866513-42T0	133.34	0.00	0.50	4.67	240.00	0.00	0.00	51.30
Verizon-12	Amphenol BXA-171063-8BF	133.34	0.00	0.50	3.25	240.00	0.00	0.00	33.70
Verizon-13	Diplexer	133.34	0.00	0.50	0.50	0.00	0.00	0.00	10.00
Verizon-14	Diplexer	133.34	0.00	0.50	0.50	0.00	0.00	0.00	10.00
Verizon-15	Diplexer	133.34	0.00	0.50	0.50	120.00	0.00	0.00	10.00
Verizon-16	Diplexer	133.34	0.00	0.50	0.50	120.00	0.00	0.00	10.00
Verizon-17	Diplexer	133.34	0.00	0.50	0.50	240.00	0.00	0.00	10.00
Verizon-18	Diplexer	133.34	0.00	0.50	0.50	240.00	0.00	0.00	10.00
Sprint-A	12' T-Arm	120.00	0.00	0.50	10.00	0.00	0.00	0.00	600.00
Sprint-B	12' T-Arm	120.00	0.00	0.50	10.00	120.00	0.00	0.00	600.00
Sprint-C	12' T-Arm	120.00	0.00	0.50	10.00	240.00	0.00	0.00	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	0.00	0.50	8.81	0.00	0.00	0.00	106.50
Sprint-2	ALU RRH	120.00	0.00	0.50	2.44	0.00	0.00	0.00	66.70
Sprint-3	ALU RRH	120.00	0.00	0.50	2.44	0.00	0.00	0.00	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	0.00	0.50	8.81	120.00	0.00	0.00	106.50
Sprint-5	ALU RRH	120.00	0.00	0.50	2.44	120.00	0.00	0.00	66.70
Sprint-6	ALU RRH	120.00	0.00	0.50	2.44	120.00	0.00	0.00	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	0.00	0.50	8.81	240.00	0.00	0.00	106.50
Sprint-8	ALU RRH	120.00	0.00	0.50	2.44	240.00	0.00	0.00	66.70
Sprint-9	ALU RRH	120.00	0.00	0.50	2.44	240.00	0.00	0.00	66.70
115-A	3' Stand-Off	113.34	0.00	0.50	1.50	120.00	0.00	0.00	75.00
NEU-17	12' Omni	113.34	0.00	0.50	2.40	120.00	0.00	0.00	170.00
105-A	3' Stand-Off	106.66	0.00	0.50	1.50	120.00	0.00	0.00	75.00
NEU-19	DB586-Y	133.34	0.00	0.50	0.40	120.00	0.00	0.00	10.00
85-A	3' Stand-Off	86.66	0.00	0.50	1.50	120.00	0.00	0.00	75.00
GPS-53	GPS	20.00	0.00	0.50	1.00	240.00	0.00	0.00	20.00
GPS-68	GPS	60.00	0.00	0.50	1.00	0.00	0.00	0.00	20.00
CSP-69	Sinclair SC479-HF1LDF w/ ice	160.00	0.00	0.50	6.54	0.00	0.00	0.00	69.80
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	0.00	0.50	6.54	0.00	0.00	0.00	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	0.00	0.50	6.54	120.00	0.00	0.00	69.80
CSP-72	TMA	160.00	0.00	0.50	1.00	0.00	0.00	0.00	15.00
160	3' Stand-Off	160.00	0.00	0.50	1.50	0.00	0.00	0.00	75.00
CSP-66	RFS PD1142 w/ ice	80.00	0.00	0.50	2.80	0.00	0.00	0.00	21.50
DEP-54	RFS PD1142 w/ ice	80.00	0.00	0.50	2.80	240.00	0.00	0.00	21.50
DOT-56	Dipole	80.00	0.00	0.50	6.00	120.00	0.00	0.00	71.00

EIA Section Load Case Information for "DL + Ice Only":

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face a	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	0.00	0.50	56.58	40.54	30.38	163.7	0.59	1.00	1.00	0.75	1.81	87.0	0	0.00	2.00	0.00	1.20	0.00	0	0	7725
B	160.00	140.00	150.00	0.00	0.50	76.52	48.46	38.20	191.0	0.65	1.00	1.00	0.79	1.78	114.7	0	0.00	2.00	0.00	1.20	0.00	0	0	8365
C	140.00	120.00	130.00	0.00	0.50	97.73	49.93	40.11	218.3	0.68	1.00	1.00	0.80	1.78	137.8	0	0.00	2.00	0.00	1.20	0.00	0	0	8914
D	120.00	100.00	110.00	0.00	0.50	100.24	58.49	45.80	245.5	0.65	1.00	1.00	0.78	1.78	146.0	0	0.00	2.00	0.00	1.20	0.00	0	0	9743
E	100.00	80.00	90.00	0.00	0.50	109.01	63.28	48.95	272.8	0.63	1.00	1.00	0.77	1.79	158.0	0	0.00	2.00	0.00	1.20	0.00	0	0	12870
F	80.00	60.00	70.00	0.00	0.50	109.32	64.42	47.73	300.0	0.58	1.00	1.00	0.74	1.82	157.1	0	0.00	2.00	0.00	1.20	0.00	0	0	13407
G	60.00	40.00	50.00	0.00	0.50	111.79	71.64	52.31	327.3	0.56	1.00	1.00	0.73	1.83	164.1	0	0.00	2.00	0.00	1.20	0.00	0	0	15136
H	40.00	20.00	30.00	0.00	0.50	117.39	72.89	52.25	354.6	0.54	1.00	1.00	0.72	1.86	169.6	0	0.00	2.00	0.00	1.20	0.00	0	0	15903
I	20.00	0.00	10.00	0.00	0.50	118.53	79.21	55.98	381.9	0.52	1.00	1.00	0.71	1.88	174.5	0	0.00	2.00	0.00	1.20	0.00	0	0	17259

*** Analysis Results:

Maximum element usage is 98.47% for Angle "SNB-LH2P" in load case "W+I 0 deg"

Angle Forces For All Load Cases:

Positive for tension - negative for compression

Group Label	Angle Label	Max. Usage For All LC %	Max. Tens. For All LC (kips)	Max. Comp. For All LC (kips)	LC 1 (kips)	LC 2 (kips)	LC 3 (kips)	LC 4 (kips)	LC 5 (kips)	LC 6 (kips)
Rohn-D1	Rohn-DA1P	25.29	1.445	-1.216	-1.216	-0.611	0.889	1.445	1.181	-0.018
Rohn-D1	Rohn-DA11	40.95	1.899	-1.968	1.899	1.804	0.315	-1.525	-1.968	-0.035
Rohn-D1	Rohn-DA12	33.78	0.821	-1.624	-0.850	-1.507	-1.624	-0.074	0.821	-0.015
Rohn-D1	Rohn-DA2P	21.95	1.469	-1.055	1.000	1.469	1.237	-0.300	-1.055	-0.030
Rohn-D1	Rohn-DA21	41.67	0.857	-2.003	0.857	-0.222	-2.003	-1.754	-0.915	-0.029
Rohn-D1	Rohn-DA22	28.73	1.428	-1.381	-1.381	-0.920	0.517	1.428	1.360	-0.010
Rohn-D1	Rohn-DA3P	24.10	1.868	-1.089	-1.089	-0.015	1.868	1.793	1.026	-0.032
Rohn-D1	Rohn-DA31	45.38	1.993	-2.051	1.957	1.993	0.603	-1.444	-2.051	-0.051
Rohn-D1	Rohn-DA32	35.65	0.596	-1.611	-0.654	-1.308	-1.611	-0.249	0.596	-0.028
Rohn-D1	Rohn-DA4P	26.52	1.693	-1.198	1.109	1.693	1.513	-0.285	-1.198	-0.045
Rohn-D1	Rohn-DA41	51.41	0.337	-2.323	0.337	-0.817	-2.323	-1.466	-0.421	-0.043
Rohn-D1	Rohn-DA42	39.75	1.750	-1.796	-1.796	-1.627	-0.194	1.404	1.750	-0.023
Rohn-D1	Rohn-DA5P	38.42	2.363	-1.634	-1.634	-0.402	2.060	2.363	1.590	-0.024
Rohn-D1	Rohn-DA51	48.61	1.991	-2.067	1.991	1.874	0.317	-1.599	-2.067	-0.038
Rohn-D1	Rohn-DA52	35.36	0.959	-1.503	-0.997	-1.503	-1.416	0.168	0.959	-0.018
Rohn-D1	Rohn-DA6P	34.93	1.882	-1.485	1.415	1.882	1.389	-0.609	-1.485	-0.038
Rohn-D1	Rohn-DA61	51.24	1.031	-2.179	1.031	-0.142	-2.179	-1.969	-1.090	-0.029
Rohn-D1	Rohn-DA62	47.06	1.977	-2.001	-2.001	-1.785	-0.163	1.611	1.977	-0.012
Rohn-D1	Rohn-DA7P	30.59	1.613	-1.226	1.135	1.613	1.354	-0.401	-1.226	-0.046
Rohn-D1	Rohn-DA71	76.70	0.898	-3.073	0.898	-0.694	-3.073	-2.299	-0.974	-0.039
Rohn-D1	Rohn-DA72	46.71	1.817	-1.872	-1.872	-1.722	-0.276	1.413	1.817	-0.026
Rohn-D1	Rohn-DA8P	29.87	2.078	-1.197	-1.197	-0.014	2.078	1.962	1.126	-0.035
Rohn-D1	Rohn-DA81	59.77	2.431	-2.395	2.300	2.431	0.903	-1.582	-2.395	-0.050
Rohn-D1	Rohn-DA82	43.06	1.069	-1.725	-1.117	-1.725	-1.685	0.137	1.069	-0.026
Rohn-D2	Rohn-DB1P	32.03	3.483	-1.542	-1.542	0.365	3.483	2.944	1.502	-0.031
Rohn-D2	Rohn-DB11	52.47	2.895	-2.996	2.895	2.604	0.241	-2.423	-2.996	-0.041
Rohn-D2	Rohn-DB12	45.60	1.911	-2.604	-1.951	-2.604	-2.051	0.714	1.911	-0.023
Rohn-D2	Rohn-DB2P	26.93	2.318	-1.538	1.478	2.318	2.260	-0.242	-1.538	-0.041
Rohn-D2	Rohn-DB21	57.14	1.921	-3.263	1.921	0.124	-3.263	-3.240	-1.982	-0.033
Rohn-D2	Rohn-DB22	52.43	2.918	-2.994	-2.981	-2.994	-0.924	2.030	2.918	-0.021
Rohn-D2	Rohn-DB3P	39.93	2.933	-2.153	-2.153	-0.646	2.517	2.933	2.042	-0.048
Rohn-D2	Rohn-DB31	45.44	2.640	-2.451	2.348	2.640	1.290	-1.414	-2.451	-0.058
Rohn-D2	Rohn-DB32	42.03	0.748	-2.267	-0.830	-1.705	-2.267	-0.397	0.748	-0.043
Rohn-D2	Rohn-DB4P	40.21	2.355	-2.169	2.037	2.355	1.363	-1.237	-2.169	-0.057
Rohn-D2	Rohn-DB41	63.22	0.743	-3.410	0.743	-0.964	-3.410	-2.289	-0.837	-0.049
Rohn-D2	Rohn-DB42	45.34	2.371	-2.445	-2.445	-1.982	0.150	2.083	2.371	-0.042
Rohn-D2	Rohn-DB5P	57.33	4.521	-2.924	-2.924	-0.398	4.411	4.521	2.805	-0.066
Rohn-D2	Rohn-DB51	88.55	4.374	-4.515	4.374	4.207	0.863	-3.392	-4.515	-0.072
Rohn-D2	Rohn-DB52	75.40	2.024	-3.845	-2.165	-3.630	-3.845	-0.064	2.024	-0.061
Rohn-D2	Rohn-DB6P	56.97	3.951	-2.905	2.775	3.951	3.317	-0.930	-2.905	-0.072
Rohn-D2	Rohn-DB61	97.48	2.024	-4.971	2.024	-0.622	-4.971	-4.207	-2.177	-0.067
Rohn-D2	Rohn-DB62	87.93	4.365	-4.484	-4.484	-3.901	-0.207	3.657	4.365	-0.060
Rohn-D8	Rohn-DB7P	25.57	5.326	-2.305	-2.305	0.612	5.326	4.348	2.137	-0.084
Rohn-D8	Rohn-DB71	55.56	4.800	-5.007	4.800	4.099	-0.011	-4.235	-5.007	-0.090
Rohn-D8	Rohn-DB72	50.48	3.071	-4.549	-3.194	-4.549	-3.999	0.815	3.071	-0.079
Rohn-D8	Rohn-DB8P	26.30	4.246	-2.370	2.191	3.856	4.246	0.016	-2.370	-0.089
Rohn-D8	Rohn-DB81	56.16	3.044	-5.062	3.044	0.274	-5.042	-5.062	-3.175	-0.084
Rohn-D8	Rohn-DB82	55.55	4.813	-5.006	-5.006	-4.796	-1.141	3.537	4.813	-0.080
Rohn-D3	Rohn-DC1P	55.07	5.464	-4.376	-4.376	-1.746	4.192	5.464	4.055	-0.163
Rohn-D3	Rohn-DC11	64.91	5.156	-5.158	4.847	5.156	2.018	-3.341	-5.158	-0.167
Rohn-D3	Rohn-DC12	64.69	1.127	-5.141	-1.467	-3.549	-5.141	-1.383	1.127	-0.159
Rohn-D3	Rohn-DC2P	54.56	4.890	-4.336	4.005	4.890	3.131	-2.246	-4.336	-0.167
Rohn-D3	Rohn-DC21	78.94	1.176	-6.273	1.176	-1.898	-6.273	-4.172	-1.526	-0.163
Rohn-D3	Rohn-DC22	64.12	4.805	-5.095	-5.095	-3.795	1.007	4.613	4.805	-0.158
Rohn-D3	Rohn-DC3P	55.31	6.015	-3.467	-3.467	-0.100	6.015	5.749	3.408	-0.039
Rohn-D3	Rohn-DC31	83.14	6.082	-6.205	6.082	5.616	0.826	-4.859	-6.205	-0.047
Rohn-D3	Rohn-DC32	70.72	3.046	-5.278	-3.115	-5.112	-5.278	0.157	3.046	-0.036
Rohn-D3	Rohn-DC4P	48.02	5.222	-3.481	3.413	5.222	4.950	-0.646	-3.481	-0.043
Rohn-D3	Rohn-DC41	86.77	2.981	-6.476	2.981	-0.494	-6.476	-5.668	-3.064	-0.043
Rohn-D3	Rohn-DC42	81.87	6.002	-6.110	-6.110	-5.368	-0.352	4.952	6.002	-0.036
Rohn-D3	Rohn-DC5P	52.18	5.674	-3.407	-3.407	-0.179	5.674	5.316	3.091	-0.161
Rohn-D3	Rohn-DC51	83.88	5.532	-5.905	5.532	5.032	0.584	-4.668	-5.905	-0.174
Rohn-D3	Rohn-DC52	72.92	2.709	-5.133	-3.014	-4.870	-5.133	0.010	2.709	-0.161
Rohn-D3	Rohn-DC6P	48.54	4.748	-3.417	3.088	4.748	4.535	-0.758	-3.417	-0.167
Rohn-D3	Rohn-DC61	88.02	2.717	-6.196	2.717	-0.510	-6.196	-5.423	-3.041	-0.171
Rohn-D3	Rohn-DC62	84.47	5.605	-5.946	-5.946	-5.240	-0.480	4.555	5.605	-0.158
Rohn-D4	Rohn-DD1P	53.66	6.480	-4.623	-4.623	-0.947	6.222	6.480	4.113	-0.264
Rohn-D4	Rohn-DD11	84.19	6.664	-7.254	6.664	6.299	1.114	-5.530	-7.254	-0.285

Rohn-D4	Rohn-DD12	77.05	2.657	-6.639	-3.197	-5.696	-6.639	-0.713	2.657	-0.266
Rohn-D4	Rohn-DD2P	53.53	5.952	-4.612	4.084	5.952	5.215	-1.439	-4.612	-0.273
Rohn-D4	Rohn-DD21	89.73	2.640	-7.731	2.640	-1.265	-7.731	-6.256	-3.213	-0.282
Rohn-D4	Rohn-DD22	83.23	6.631	-7.171	-7.171	-5.968	0.109	5.759	6.631	-0.260
Rohn-D4	Rohn-DD3P	47.34	6.864	-3.154	-3.154	0.539	6.864	5.840	3.148	-0.010
Rohn-D4	Rohn-DD31	83.20	6.615	-6.757	6.615	5.711	0.172	-5.625	-6.757	-0.037
Rohn-D4	Rohn-DD32	70.92	3.768	-5.760	-3.802	-5.760	-5.546	0.707	3.768	-0.019
Rohn-D4	Rohn-DD4P	40.14	5.820	-3.168	3.129	5.307	5.820	0.010	-3.168	-0.025
Rohn-D4	Rohn-DD41	82.03	3.734	-6.662	3.734	0.124	-6.662	-6.311	-3.797	-0.033
Rohn-D4	Rohn-DD42	82.19	6.589	-6.676	-6.676	-6.091	-0.881	5.151	6.589	-0.007
Rohn-D4	Rohn-DD5P	54.54	5.911	-4.191	-4.191	-0.752	5.837	5.911	3.724	-0.242
Rohn-D4	Rohn-DD51	87.06	6.094	-6.691	6.094	5.757	1.072	-5.067	-6.691	-0.267
Rohn-D4	Rohn-DD52	79.56	2.426	-6.115	-2.902	-5.183	-6.115	-0.628	2.426	-0.250
Rohn-D4	Rohn-DD6P	54.70	5.372	-4.204	3.709	5.372	4.768	-1.298	-4.204	-0.256
Rohn-D4	Rohn-DD61	93.56	2.410	-7.191	2.410	-1.175	-7.191	-5.724	-2.914	-0.264
Rohn-D4	Rohn-DD62	86.73	6.123	-6.665	-6.665	-5.568	0.053	5.259	6.123	-0.239
Rohn-D5	Rohn-DE1P	30.32	4.927	-3.538	-3.538	-0.641	4.927	4.865	2.997	-0.271
Rohn-D5	Rohn-DE11	43.93	5.009	-5.619	5.009	4.715	0.836	-4.254	-5.619	-0.296
Rohn-D5	Rohn-DE12	40.03	1.988	-5.121	-2.544	-4.362	-5.121	-0.522	1.988	-0.278
Rohn-D5	Rohn-DE2P	27.76	4.346	-3.550	2.982	4.346	3.906	-1.159	-3.550	-0.285
Rohn-D5	Rohn-DE21	48.03	1.972	-6.144	1.972	-1.041	-6.144	-4.882	-2.557	-0.293
Rohn-D5	Rohn-DE22	43.73	5.038	-5.593	-5.593	-4.733	-0.148	4.237	5.038	-0.268
Rohn-D5	Rohn-DE3P	40.08	6.512	-2.593	-2.593	0.852	6.512	5.077	2.473	-0.086
Rohn-D5	Rohn-DE31	51.97	5.981	-6.288	5.981	4.938	-0.366	-5.444	-6.288	-0.108
Rohn-D5	Rohn-DE32	45.85	3.716	-5.548	-3.898	-5.548	-5.014	0.965	3.716	-0.095
Rohn-D5	Rohn-DE4P	34.00	5.525	-2.605	2.457	4.577	5.525	0.351	-2.605	-0.100
Rohn-D5	Rohn-DE41	49.95	3.709	-6.044	3.709	0.471	-5.992	-6.044	-3.910	-0.104
Rohn-D5	Rohn-DE42	51.76	6.001	-6.263	-6.263	-5.899	-1.305	4.474	6.001	-0.084
Rohn-D5	Rohn-DE5P	39.06	6.347	-4.314	-4.314	-0.655	6.347	6.124	3.732	-0.261
Rohn-D5	Rohn-DE51	62.37	6.609	-7.164	6.609	6.035	0.810	-5.554	-7.164	-0.278
Rohn-D5	Rohn-DE52	57.06	2.786	-6.554	-3.281	-5.626	-6.554	-0.526	2.786	-0.266
Rohn-D5	Rohn-DE6P	37.43	5.627	-4.299	3.699	5.627	5.401	-1.112	-4.299	-0.270
Rohn-D5	Rohn-DE61	65.83	2.771	-7.561	2.771	-1.039	-7.561	-6.131	-3.288	-0.276
Rohn-D5	Rohn-DE62	61.84	6.586	-7.103	-7.103	-5.970	-0.115	5.543	6.586	-0.259
Rohn-D6	Rohn-DF1P	50.92	8.274	-4.347	-4.347	0.217	8.274	7.192	3.985	-0.264
Rohn-D6	Rohn-DF11	62.43	8.205	-8.923	8.205	7.132	0.141	-7.412	-8.923	-0.282
Rohn-D6	Rohn-DF12	53.57	4.224	-7.655	-4.814	-7.489	-7.655	0.297	4.224	-0.270
Rohn-D6	Rohn-DF2P	44.41	7.217	-4.361	3.977	6.661	7.217	-0.321	-4.361	-0.275
Rohn-D6	Rohn-DF21	61.21	4.192	-8.749	4.192	-0.275	-8.749	-8.022	-4.802	-0.279
Rohn-D6	Rohn-DF22	62.15	8.202	-8.883	-8.883	-7.918	-0.925	6.588	8.202	-0.261
Rohn-D6	Rohn-DF3P	46.35	7.531	-5.015	-5.015	-0.677	7.531	7.146	4.397	-0.252
Rohn-D6	Rohn-DF31	62.50	7.777	-8.388	7.777	7.044	0.996	-6.465	-8.388	-0.265
Rohn-D6	Rohn-DF32	58.31	3.314	-7.825	-3.690	-6.515	-7.825	-0.621	3.314	-0.256
Rohn-D6	Rohn-DF4P	40.77	6.626	-5.022	4.385	6.626	6.499	-1.198	-5.022	-0.261
Rohn-D6	Rohn-DF41	65.88	3.318	-8.841	3.318	-1.125	-8.841	-7.032	-3.706	-0.263
Rohn-D6	Rohn-DF42	62.46	7.801	-8.382	-8.382	-6.958	0.016	6.567	7.801	-0.250
Rohn-D6	Rohn-DG1P	43.52	7.072	-4.482	-4.482	-0.476	7.072	6.733	4.085	-0.296
Rohn-D6	Rohn-DG11	63.77	7.314	-8.046	7.314	6.641	0.685	-6.427	-8.046	-0.305
Rohn-D6	Rohn-DG12	57.51	3.178	-7.256	-3.889	-6.494	-7.256	-0.385	3.178	-0.298
Rohn-D6	Rohn-DG2P	38.48	6.254	-4.487	4.079	6.254	6.114	-0.960	-4.487	-0.302
Rohn-D6	Rohn-DG21	65.15	3.169	-8.219	3.169	-0.875	-8.219	-6.974	-3.893	-0.303
Rohn-D6	Rohn-DG22	63.66	7.321	-8.032	-8.032	-6.889	-0.252	6.172	7.321	-0.294
Rohn-D6	Rohn-DG3P	42.42	6.894	-4.042	-4.042	-0.157	6.894	6.036	3.503	-0.205
Rohn-D6	Rohn-DG31	61.85	6.806	-7.345	6.806	5.949	0.494	-5.807	-7.345	-0.213
Rohn-D6	Rohn-DG32	56.35	3.337	-6.692	-3.560	-5.883	-6.692	-0.082	3.337	-0.207
Rohn-D6	Rohn-DG4P	36.79	5.979	-4.048	3.497	5.578	5.979	-0.619	-4.048	-0.211
Rohn-D6	Rohn-DG41	64.00	3.335	-7.601	3.335	-0.538	-7.601	-6.339	-3.566	-0.211
Rohn-D6	Rohn-DG42	61.80	6.817	-7.339	-7.339	-6.250	-0.392	5.509	6.817	-0.204
Rohn-D7	Rohn-DH1P	41.69	6.775	-4.752	-4.752	-0.733	6.775	6.245	3.538	-0.714
Rohn-D7	Rohn-DH11	52.47	6.955	-8.526	6.955	6.161	0.022	-7.010	-8.526	-0.720
Rohn-D7	Rohn-DH12	47.38	2.928	-7.699	-4.504	-7.076	-7.699	-0.657	2.928	-0.715
Rohn-D7	Rohn-DH2P	36.38	5.912	-4.754	3.531	5.812	5.912	-1.167	-4.754	-0.718
Rohn-D7	Rohn-DH21	52.72	2.924	-8.566	2.924	-1.094	-8.566	-7.510	-4.509	-0.719
Rohn-D7	Rohn-DH22	52.41	6.960	-8.516	-8.516	-7.427	-0.820	5.739	6.960	-0.712
Rohn-D7	Rohn-DH3P	41.84	6.800	-3.838	-3.838	-0.109	6.800	6.262	3.989	0.131
Rohn-D7	Rohn-DH31	42.80	6.874	-6.804	6.874	6.189	1.164	-5.144	-6.804	0.126
Rohn-D7	Rohn-DH32	40.21	3.301	-6.393	-2.816	-5.220	-6.393	-0.042	3.301	0.129
Rohn-D7	Rohn-DH4P	36.76	5.973	-3.849	3.991	5.854	5.973	-0.532	-3.849	0.127
Rohn-D7	Rohn-DH41	45.34	3.298	-7.207	3.298	-0.453	-7.207	-5.626	-2.818	0.127
Rohn-D7	Rohn-DH42	42.80	6.886	-6.805	-6.805	-5.553	0.356	5.791	6.886	0.132
Rohn-D7	Rohn-DI1P	47.52	2.253	-7.134	-7.134	-4.098	2.028	2.253	0.372	-3.450
Rohn-D7	Rohn-DI11	62.80	2.465	-9.426	2.465	2.183	-2.147	-7.931	-9.426	-3.453
Rohn-D7	Rohn-DI12	60.85	0.000	-9.134	-5.819	-7.992	-9.134	-4.046	-1.237	-3.451
Rohn-D7	Rohn-DI2P	47.53	1.865	-7.136	0.368	1.865	1.253	-4.488	-7.136	-3.452
Rohn-D7	Rohn-DI21	65.93	0.000	-9.897	-1.232	-4.424	-9.897	-8.380	-5.828	-3.453
Rohn-D7	Rohn-DI22	62.81	2.476	-9.429	-9.429	-8.311	-2.897	1.815	2.476	-3.449
Rohn-D7	Rohn-DI3P	55.41	9.004	0.000	1.314	4.136	9.004	8.249	6.482	3.882
Rohn-D7	Rohn-DI31	54.05	8.782	-1.286	8.782	8.189	4.402	-0.182	-1.286	3.879
Rohn-D7	Rohn-DI32	40.22	6.536	-0.686	1.425	-0.235	-0.686	4.197	6.536	3.881
Rohn-D7	Rohn-DI4P	50.90	8.271	0.000	6.479	7.883	8.271	3.768	1.312	3.880
Rohn-D7	Rohn-DI41	40.20	6.532	-1.422	6.532	3.825	-1.422	-0.601	1.425	3.879

Rohn-D7	Rohn-DI42	54.05	8.782	-1.280	-1.280	-0.541	3.678	7.824	8.782	3.883
Rohn-L1	Rohn-LA1P	2.05	0.000	-1.854	-0.579	-1.164	-1.854	-1.321	-0.765	-0.694
Rohn-L1	Rohn-LA11	2.45	1.085	-2.210	-2.210	-1.569	0.219	1.085	0.869	-0.690
Rohn-L1	Rohn-LA12	2.07	0.647	-1.867	0.541	0.647	-0.071	-1.416	-1.867	-0.684
Rohn-L1	Rohn-LA2P	6.54	0.000	-5.902	-0.863	-3.274	-5.902	-3.395	-1.002	-0.958
Rohn-L1	Rohn-LA21	5.87	3.730	-5.301	-5.301	-3.488	1.437	3.730	3.102	-1.134
Rohn-L1	Rohn-LA22	5.58	3.710	-5.036	3.143	3.710	1.456	-3.300	-5.036	-0.972
Rohn-L1	Rohn-LA3P	11.30	0.000	-10.200	-1.363	-5.604	-10.200	-5.650	-1.410	-1.421
Rohn-L1	Rohn-LA31	9.61	6.962	-8.677	-8.677	-5.542	2.986	6.962	5.899	-1.426
Rohn-L1	Rohn-LA32	9.44	7.095	-8.520	6.051	7.095	3.132	-5.385	-8.520	-1.265
Rohn-L1	Rohn-LA4P	15.52	0.000	-14.013	-1.570	-7.502	-14.013	-7.609	-1.683	-1.662
Rohn-L1	Rohn-LA41	13.86	10.559	-12.512	-12.512	-7.907	4.666	10.559	9.033	-1.788
Rohn-L1	Rohn-LA42	13.33	10.487	-12.039	9.034	10.487	4.731	-7.547	-12.039	-1.535
Rohn-L2	Rohn-LB1P	17.38	0.000	-19.920	-2.403	-10.763	-19.920	-10.750	-2.373	-2.426
Rohn-L2	Rohn-LB11	14.89	14.293	-17.069	-17.069	-10.787	6.338	14.293	12.221	-2.484
Rohn-L2	Rohn-LB12	14.67	14.590	-16.810	12.511	14.590	6.674	-10.491	-16.810	-2.193
Rohn-L2	Rohn-LB2P	21.46	0.000	-24.594	-2.639	-13.044	-24.594	-13.047	-2.624	-2.682
Rohn-L2	Rohn-LB21	18.31	18.165	-20.989	-20.989	-13.124	8.297	18.165	15.630	-2.737
Rohn-L2	Rohn-LB22	18.10	18.429	-20.748	15.891	18.429	8.604	-12.851	-20.748	-2.472
Rohn-L2	Rohn-LB3P	27.95	0.000	-32.033	-3.844	-17.159	-32.033	-17.187	-3.853	-3.917
Rohn-L2	Rohn-LB31	23.82	22.791	-27.294	-27.294	-17.215	10.222	22.791	19.557	-3.950
Rohn-L2	Rohn-LB32	23.61	23.013	-27.059	19.786	23.013	10.497	-16.956	-27.059	-3.705
Rohn-L2	Rohn-LB4P	35.43	0.000	-40.609	-4.134	-21.372	-40.609	-21.363	-4.096	-4.176
Rohn-L2	Rohn-LB41	30.13	30.323	-34.530	-34.530	-21.481	14.045	30.323	26.132	-4.285
Rohn-L2	Rohn-LB42	29.88	30.633	-34.243	26.433	30.633	14.423	-21.149	-34.243	-3.979
Rohn-L3	Rohn-LC1P	37.78	0.000	-49.446	-4.884	-25.845	-49.446	-25.863	-4.873	-4.962
Rohn-L3	Rohn-LC11	31.89	37.153	-41.732	-41.732	-25.807	17.481	37.153	32.101	-4.900
Rohn-L3	Rohn-LC12	31.78	37.243	-41.585	32.196	37.243	17.657	-25.634	-41.585	-4.769
Rohn-L3	Rohn-LC2P	47.70	0.000	-62.353	-6.060	-32.495	-62.353	-32.562	-6.098	-6.161
Rohn-L3	Rohn-LC21	40.27	46.967	-52.648	-52.648	-32.553	22.131	46.967	40.606	-6.142
Rohn-L3	Rohn-LC22	40.13	47.061	-52.460	40.718	47.061	22.316	-32.353	-52.460	-5.979
Rohn-L3	Rohn-LC3P	56.57	0.000	-74.026	-6.339	-38.103	-74.026	-38.116	-6.313	-6.407
Rohn-L3	Rohn-LC31	47.52	57.288	-62.192	-62.192	-38.067	27.557	57.288	49.673	-6.378
Rohn-L3	Rohn-LC32	47.45	57.462	-62.095	49.838	57.462	27.803	-37.907	-62.095	-6.236
Rohn-L4	Rohn-LD1P	63.56	0.000	-86.980	-7.830	-44.889	-86.980	-44.937	-7.842	-7.929
Rohn-L4	Rohn-LD11	53.41	66.461	-73.100	-73.100	-44.887	31.828	66.461	57.606	-7.877
Rohn-L4	Rohn-LD12	53.33	66.530	-72.979	57.683	66.530	31.994	-44.736	-72.979	-7.767
Rohn-L4	Rohn-LD2P	73.50	0.000	-100.511	-8.498	-51.510	-100.511	-51.564	-8.511	-8.587
Rohn-L4	Rohn-LD21	61.78	77.527	-84.492	-84.492	-51.724	37.390	77.527	67.277	-8.751
Rohn-L4	Rohn-LD22	61.55	77.805	-84.167	67.563	77.805	37.770	-51.366	-84.167	-8.434
Rohn-L4	Rohn-LD3P	81.60	0.000	-111.677	-8.713	-56.755	-111.677	-56.792	-8.710	-8.786
Rohn-L4	Rohn-LD31	68.41	87.304	-93.621	-93.621	-56.986	42.606	87.304	75.905	-8.993
Rohn-L4	Rohn-LD32	68.16	87.651	-93.287	76.252	87.651	43.040	-56.606	-93.287	-8.643
Rohn-L5	Rohn-LE1P	63.45	0.000	-122.774	-9.631	-62.314	-122.774	-62.349	-9.626	-9.715
Rohn-L5	Rohn-LE11	53.10	95.659	-102.746	-102.746	-62.514	46.790	95.659	83.215	-9.892
Rohn-L5	Rohn-LE12	52.95	95.969	-102.450	83.524	95.969	47.184	-62.173	-102.450	-9.580
Rohn-L5	Rohn-LE2P	69.15	0.000	-133.695	-10.365	-67.679	-133.695	-67.714	-10.360	-10.427
Rohn-L5	Rohn-LE21	57.76	104.287	-111.670	-111.670	-67.857	51.210	104.287	90.794	-10.578
Rohn-L5	Rohn-LE22	57.62	104.560	-111.403	91.067	104.560	51.570	-67.546	-111.403	-10.299
Rohn-L5	Rohn-LE3P	74.48	0.000	-144.103	-10.722	-72.578	-144.103	-72.632	-10.741	-10.823
Rohn-L5	Rohn-LE31	62.12	112.875	-120.193	-120.193	-72.828	55.776	112.875	98.382	-11.027
Rohn-L5	Rohn-LE32	61.95	113.170	-119.865	98.685	113.170	56.156	-72.471	-119.865	-10.702
Rohn-L6	Rohn-LF1P	75.55	0.000	-160.180	-12.034	-80.610	-160.180	-80.656	-12.046	-12.054
Rohn-L6	Rohn-LF11	62.93	125.212	-133.420	-133.420	-80.881	61.943	125.212	109.179	-12.285
Rohn-L6	Rohn-LF12	62.76	125.539	-133.079	109.511	125.539	62.348	-80.507	-133.079	-11.940
Rohn-L6	Rohn-LF2P	83.88	0.000	-177.848	-12.789	-88.986	-177.848	-89.010	-12.778	-12.827
Rohn-L6	Rohn-LF21	69.66	139.605	-147.692	-147.692	-89.206	69.622	139.605	121.907	-13.037
Rohn-L6	Rohn-LF22	69.52	139.926	-147.392	122.224	139.926	70.014	-88.864	-147.392	-12.721
Rohn-L7	Rohn-LG1P	78.80	0.000	-195.557	-14.387	-97.830	-195.557	-97.860	-14.388	-14.400
Rohn-L7	Rohn-LG11	65.34	152.600	-162.159	-162.159	-98.022	76.146	152.600	133.302	-14.575
Rohn-L7	Rohn-LG12	65.23	152.888	-161.874	133.590	152.888	76.497	-97.706	-161.874	-14.281
Rohn-L7	Rohn-LG2P	85.12	0.000	-211.221	-15.332	-105.365	-211.221	-105.389	-15.331	-15.345
Rohn-L7	Rohn-LG21	70.46	164.830	-174.848	-174.848	-105.550	82.564	164.830	144.104	-15.511
Rohn-L7	Rohn-LG22	70.35	165.106	-174.580	144.379	165.106	82.894	-105.254	-174.580	-15.233
Rohn-L7	Rohn-LH1P	91.33	0.000	-226.637	-16.567	-112.930	-226.637	-112.954	-16.570	-16.571
Rohn-L7	Rohn-LH11	75.50	176.276	-187.363	-187.363	-113.103	88.439	176.276	154.180	-16.728
Rohn-L7	Rohn-LH12	75.40	176.534	-187.105	154.438	176.534	88.743	-112.823	-187.105	-16.463
Rohn-L7	Rohn-LH2P	97.45	0.000	-241.837	-18.318	-120.680	-241.837	-120.695	-18.315	-18.295
Rohn-L7	Rohn-LH21	80.51	186.580	-199.803	-199.803	-120.843	93.447	186.580	163.187	-18.446
Rohn-L7	Rohn-LH22	80.42	186.834	-199.559	163.439	186.834	93.739	-120.577	-199.559	-18.191
Rohn-L8	Rohn-LI1P	74.39	0.000	-251.828	-16.744	-124.223	-251.828	-124.236	-16.741	-16.763
Rohn-L8	Rohn-LI11	61.26	198.244	-207.393	-207.393	-124.379	100.735	198.244	173.785	-16.908
Rohn-L8	Rohn-LI12	61.20	198.470	-207.176	174.009	198.470	100.992	-124.144	-207.176	-16.681
Rohn-L8	Rohn-LI2P	79.66	0.000	-269.677	-24.595	-136.541	-269.677	-136.557	-24.599	-24.527
Rohn-L8	Rohn-LI21	65.92	199.559	-223.178	-223.178	-136.690	98.002	199.559	174.104	-24.668
Rohn-L8	Rohn-LI22	65.86	199.773	-222.962	174.318	199.773	98.242	-136.463	-222.962	-24.447
Rohn-H1	Rohn-H1P	12.33	0.806	-0.883	-0.883	-0.838	-0.197	0.615	0.806	-0.038
Rohn-H1	Rohn-H11	3.07	0.549	-0.218	-0.218	0.109	0.549	0.423	0.153	-0.033
Rohn-H1	Rohn-H12	15.63	0.964	-1.119	0.964	0.615	-0.485	-1.119	-1.024	-0.028
Rohn-H1	Rohn-H2P	9.72	0.438	-0.499	-0.499	-0.445	-0.064	0.364	0.438	-0.026
Rohn-H1	Rohn-H21	1.47	0.123	-0.076	-0.076	0.011	0.123	0.102	0.041	-0.025

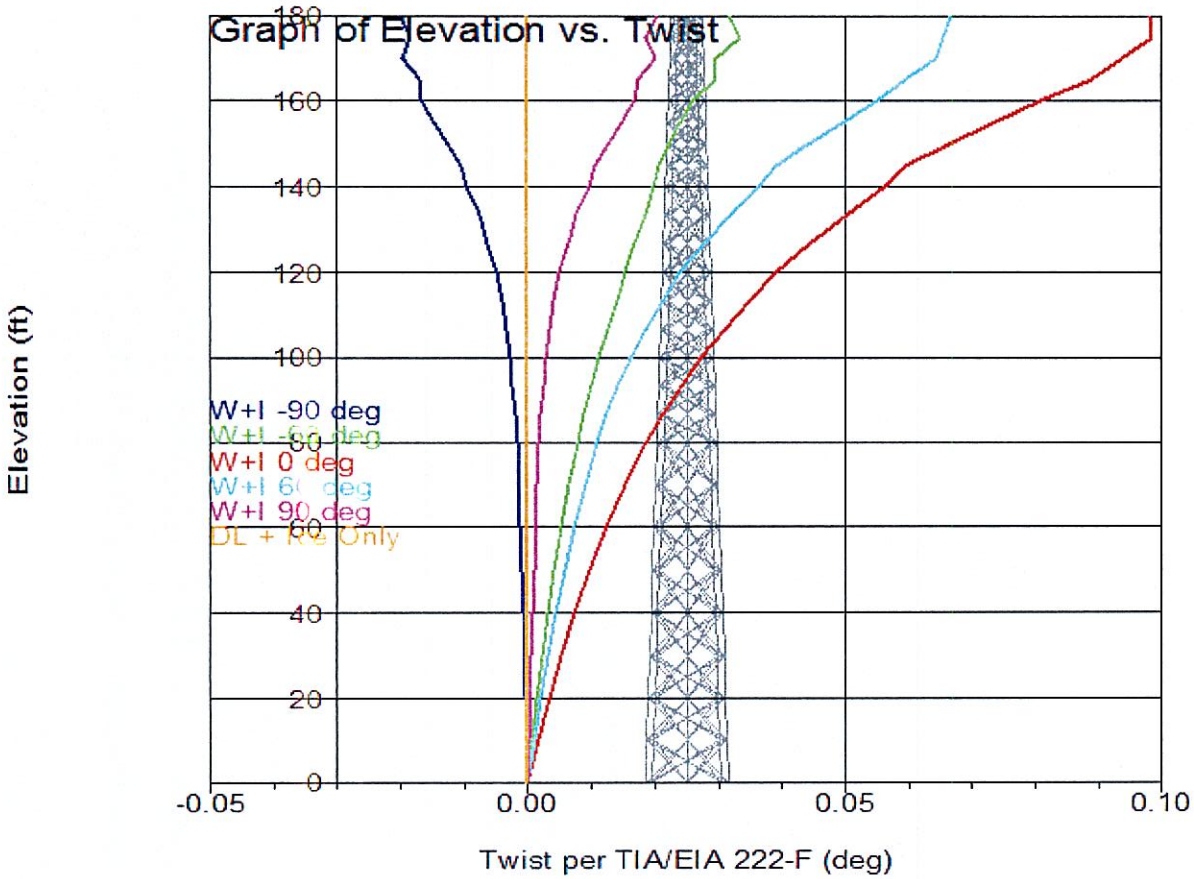
Rohn-H1	Rohn-H22	10.46	0.468	-0.536	0.468	0.356	-0.155	-0.531	-0.536	-0.028
SNB-D1	SNB-DA1P	1.91	0.347	-0.161	0.229	0.347	0.334	0.013	-0.161	0.033
SNB-D1	SNB-DA11	4.84	0.878	-0.781	0.878	0.763	0.062	-0.667	-0.781	0.052
SNB-D1	SNB-DA12	4.78	0.683	-0.866	-0.620	-0.866	-0.630	0.270	0.683	0.030
SNB-D1	SNB-DA2P	3.93	0.713	0.000	0.076	0.395	0.713	0.359	0.020	0.047
SNB-D1	SNB-DA21	4.96	0.639	-0.899	0.639	0.125	-0.823	-0.899	-0.546	0.046
SNB-D1	SNB-DA22	1.53	0.266	-0.277	-0.228	-0.277	-0.133	0.149	0.266	0.021
SNB-D1	SNB-DA3P	7.19	1.303	-0.855	-0.855	-0.195	1.131	1.303	0.884	0.015
SNB-D1	SNB-DA31	7.95	1.442	-1.379	1.442	1.199	-0.031	-1.223	-1.379	0.032
SNB-D1	SNB-DA32	4.85	0.466	-0.878	-0.446	-0.813	-0.878	-0.020	0.466	0.010
SNB-D1	SNB-DA4P	6.12	1.109	-0.715	0.771	1.109	0.957	-0.160	-0.715	0.030
SNB-D1	SNB-DA41	6.03	0.783	-1.093	0.783	0.215	-0.932	-1.093	-0.743	0.021
SNB-D1	SNB-DA42	7.88	1.428	-1.413	-1.413	-1.137	0.188	1.311	1.428	0.006
SNB-D1	SNB-DA5P	10.48	1.900	-0.656	-0.656	0.337	1.900	1.524	0.727	0.036
SNB-D1	SNB-DA51	8.25	1.496	-1.401	1.496	1.267	0.031	-1.202	-1.401	0.049
SNB-D1	SNB-DA52	8.43	0.834	-1.528	-0.776	-1.411	-1.528	-0.027	0.834	0.030
SNB-D1	SNB-DA6P	10.14	1.839	-0.849	0.940	1.669	1.839	0.146	-0.849	0.046
SNB-D1	SNB-DA61	7.11	0.748	-1.288	0.748	0.011	-1.288	-1.196	-0.668	0.041
SNB-D1	SNB-DA62	9.25	1.677	-1.622	-1.622	-1.488	-0.165	1.339	1.677	0.028
SNB-D1	SNB-DA7P	8.20	1.487	-0.913	-0.913	-0.111	1.447	1.487	0.960	0.021
SNB-D1	SNB-DA71	13.71	2.462	-2.413	2.462	2.155	0.134	-2.020	-2.413	0.028
SNB-D1	SNB-DA72	10.59	1.166	-1.865	-1.131	-1.865	-1.861	0.115	1.166	0.016
SNB-D1	SNB-DA8P	9.17	1.663	-0.876	0.943	1.571	1.663	0.033	-0.876	0.031
SNB-D1	SNB-DA81	12.45	1.354	-2.192	1.354	0.104	-2.192	-2.181	-1.311	0.021
SNB-D1	SNB-DA82	10.66	1.898	-1.878	-1.878	-1.503	0.234	1.726	1.898	0.013
SNB-D2	SNB-DB1P	15.04	2.181	-0.816	-0.816	0.316	2.181	1.779	0.927	0.051
SNB-D2	SNB-DB11	15.51	2.225	-2.138	2.225	1.824	-0.076	-1.878	-2.138	0.056
SNB-D2	SNB-DB12	14.36	1.366	-1.979	-1.254	-1.979	-1.899	0.274	1.366	0.048
SNB-D2	SNB-DB2P	15.26	2.212	-0.819	0.942	1.800	2.212	0.336	-0.819	0.057
SNB-D2	SNB-DB21	14.16	1.335	-1.952	1.335	0.237	-1.914	-1.952	-1.219	0.050
SNB-D2	SNB-DB22	15.38	2.191	-2.120	-2.120	-1.883	-0.118	1.782	2.191	0.047
SNB-D2	SNB-DB3P	19.29	2.796	-1.442	-1.442	0.071	2.796	2.580	1.499	0.028
SNB-D2	SNB-DB31	22.87	3.057	-2.992	3.057	2.584	-0.001	-2.572	-2.992	0.030
SNB-D2	SNB-DB32	20.35	1.578	-2.663	-1.536	-2.567	-2.663	0.096	1.578	0.025
SNB-D2	SNB-DB4P	19.13	2.773	-1.441	1.502	2.569	2.773	0.066	-1.441	0.031
SNB-D2	SNB-DB41	20.33	1.586	-2.661	1.586	0.097	-2.661	-2.562	-1.540	0.027
SNB-D2	SNB-DB42	22.97	3.063	-3.006	-3.006	-2.586	-0.007	2.590	3.063	0.026
SNB-D2	SNB-DB5P	18.88	2.738	-1.655	-1.655	-0.175	2.672	2.738	1.764	0.060
SNB-D2	SNB-DB51	23.60	3.033	-2.916	3.033	2.714	0.347	-2.343	-2.916	0.059
SNB-D2	SNB-DB52	22.53	1.323	-2.784	-1.207	-2.353	-2.784	-0.196	1.323	0.059
SNB-D2	SNB-DB6P	18.98	2.753	-1.675	1.786	2.753	2.673	-0.186	-1.675	0.061
SNB-D2	SNB-DB61	22.50	1.308	-2.781	1.308	-0.207	-2.781	-2.335	-1.193	0.058
SNB-D2	SNB-DB62	23.63	3.038	-2.920	-2.920	-2.366	0.313	2.708	3.038	0.059
SNB-D2	SNB-DB7P	16.38	2.375	-1.363	-1.363	-0.109	2.287	2.375	1.577	0.096
SNB-D2	SNB-DB71	22.15	2.715	-2.568	2.715	2.432	0.335	-2.073	-2.568	0.091
SNB-D2	SNB-DB72	19.95	1.255	-2.313	-1.064	-2.037	-2.313	-0.025	1.255	0.094
SNB-D2	SNB-DB8P	16.03	2.324	-1.304	1.517	2.324	2.296	-0.050	-1.304	0.094
SNB-D2	SNB-DB81	20.69	1.283	-2.399	1.283	-0.043	-2.399	-2.104	-1.100	0.091
SNB-D2	SNB-DB82	21.63	2.665	-2.508	-2.508	-2.005	0.380	2.418	2.665	0.095
SNB-D3	SNB-DC1P	22.75	4.123	-2.885	-2.885	-0.689	3.758	4.123	2.775	-0.050
SNB-D3	SNB-DC11	25.65	4.549	-4.648	4.549	4.225	0.732	-3.595	-4.648	-0.046
SNB-D3	SNB-DC12	25.51	1.679	-4.623	-1.764	-3.645	-4.623	-0.713	1.679	-0.044
SNB-D3	SNB-DC2P	23.24	4.213	-2.947	2.848	4.213	3.812	-0.711	-2.947	-0.046
SNB-D3	SNB-DC21	25.62	1.627	-4.643	1.627	-0.772	-4.643	-3.611	-1.721	-0.049
SNB-D3	SNB-DC22	25.21	4.469	-4.569	-4.569	-3.563	0.655	4.116	4.469	-0.046
SNB-D3	SNB-DC3P	32.13	5.823	-1.752	-1.752	1.175	5.823	4.504	2.199	0.222
SNB-D3	SNB-DC31	32.22	5.840	-5.447	5.840	4.518	-0.769	-5.082	-5.447	0.222
SNB-D3	SNB-DC32	27.72	3.856	-5.023	-3.417	-5.023	-4.382	1.203	3.856	0.221
SNB-D3	SNB-DC4P	31.96	5.792	-1.731	2.170	4.462	5.792	1.188	-1.731	0.218
SNB-D3	SNB-DC41	28.04	3.913	-5.083	3.913	1.226	-4.421	-5.083	-3.465	0.226
SNB-D3	SNB-DC42	32.00	5.799	-5.407	-5.407	-5.032	-0.742	4.498	5.799	0.221
SNB-D3	SNB-DC5P	30.59	5.545	-3.761	-3.761	-0.819	5.052	5.545	3.751	-0.003
SNB-D3	SNB-DC51	33.12	5.962	-5.984	5.962	5.495	0.940	-4.664	-5.984	0.009
SNB-D3	SNB-DC52	32.90	2.259	-5.944	-2.244	-4.692	-5.944	-0.835	2.259	0.005
SNB-D3	SNB-DC6P	30.53	5.533	-3.767	3.765	5.533	5.008	-0.845	-3.767	0.001
SNB-D3	SNB-DC61	32.72	2.257	-5.912	2.257	-0.821	-5.912	-4.668	-2.234	0.008
SNB-D3	SNB-DC62	33.53	6.022	-6.059	-6.059	-4.742	0.905	5.535	6.022	0.001
SNB-D3	SNB-DD1P	34.01	6.164	-4.483	-4.483	-1.373	5.210	6.164	4.410	-0.038
SNB-D3	SNB-DD11	38.95	6.511	-6.582	6.511	6.213	1.462	-4.911	-6.582	-0.017
SNB-D3	SNB-DD12	39.94	2.048	-6.750	-2.110	-4.918	-6.750	-1.364	2.048	-0.024
SNB-D3	SNB-DD2P	34.18	6.195	-4.491	4.444	6.195	5.218	-1.379	-4.491	-0.025
SNB-D3	SNB-DD21	40.04	2.053	-6.767	2.053	-1.371	-6.767	-4.919	-2.104	-0.018
SNB-D3	SNB-DD22	38.89	6.465	-6.573	-6.573	-4.919	1.418	6.159	6.465	-0.035
SNB-D3	SNB-DD3P	40.11	7.270	-2.018	-2.018	1.604	7.270	5.488	2.630	0.301
SNB-D3	SNB-DD31	42.11	7.164	-6.648	7.164	5.507	-1.007	-6.228	-6.648	0.315
SNB-D3	SNB-DD32	39.38	4.869	-6.216	-4.260	-6.216	-5.360	1.609	4.869	0.307
SNB-D3	SNB-DD4P	39.99	7.248	-2.016	2.639	5.483	7.248	1.597	-2.016	0.305
SNB-D3	SNB-DD41	39.48	4.903	-6.232	4.903	1.626	-5.371	-6.232	-4.271	0.318
SNB-D3	SNB-DD42	42.11	7.132	-6.648	-6.648	-6.233	-1.030	5.475	7.132	0.299
SNB-D3	SNB-DD5P	36.71	6.654	-4.681	-4.681	-1.189	5.973	6.654	4.622	-0.022
SNB-D3	SNB-DD51	48.88	7.146	-7.247	7.146	6.657	1.299	-5.524	-7.247	-0.007

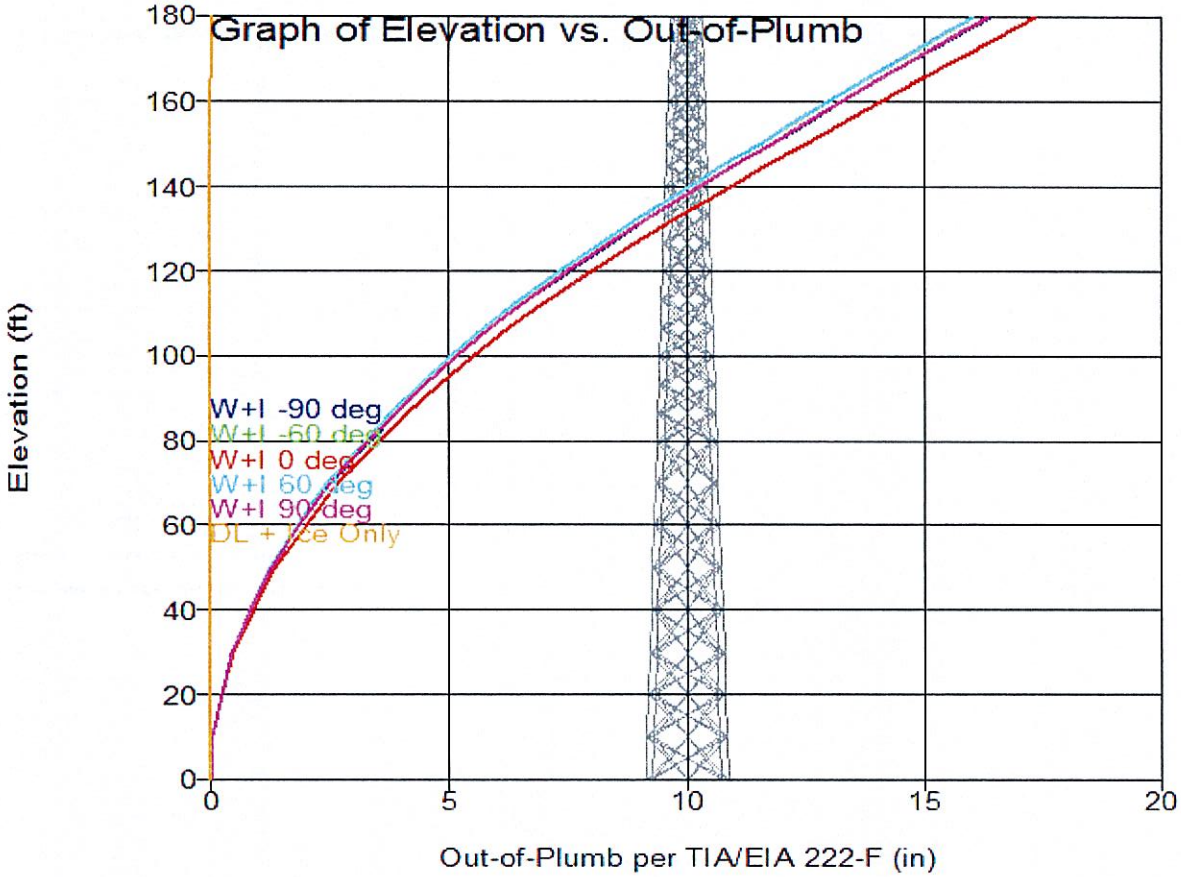
SNB-D3	SNB-DD52	49.30	2.559	-7.308	-2.548	-5.533	-7.308	-1.179	2.559	-0.010
SNB-D3	SNB-DD6P	36.69	6.649	-4.671	4.633	6.649	5.957	-1.188	-4.671	-0.012
SNB-D3	SNB-DD61	49.32	2.563	-7.312	2.563	-1.178	-7.312	-5.537	-2.547	-0.008
SNB-D3	SNB-DD62	49.03	7.144	-7.269	-7.269	-5.554	1.261	6.643	7.144	-0.019
SNB-D4	SNB-DE1P	40.16	8.675	-6.252	-6.252	-1.897	7.421	8.675	6.193	-0.022
SNB-D4	SNB-DE11	42.45	9.146	-9.168	9.146	8.687	1.984	-6.849	-9.168	-0.006
SNB-D4	SNB-DE12	43.71	2.904	-9.441	-2.983	-6.858	-9.441	-1.878	2.904	-0.010
SNB-D4	SNB-DE2P	40.16	8.674	-6.236	6.200	8.674	7.409	-1.893	-6.236	-0.011
SNB-D4	SNB-DE21	43.81	2.902	-9.464	2.902	-1.893	-9.464	-6.861	-2.977	-0.008
SNB-D4	SNB-DE22	42.51	9.133	-9.182	-9.182	-6.872	1.955	8.667	9.133	-0.019
SNB-D4	SNB-DE3P	27.02	8.646	-2.780	-2.780	1.540	8.646	6.788	3.524	0.371
SNB-D4	SNB-DE31	26.91	8.612	-7.989	8.612	6.793	-0.781	-7.236	-7.989	0.379
SNB-D4	SNB-DE32	22.64	5.535	-7.245	-4.761	-7.245	-6.751	1.541	5.535	0.376
SNB-D4	SNB-DE4P	26.96	8.627	-2.785	3.533	6.784	8.627	1.528	-2.785	0.373
SNB-D4	SNB-DE41	22.65	5.543	-7.248	5.543	1.540	-6.763	-7.248	-4.757	0.382
SNB-D4	SNB-DE42	26.89	8.605	-7.999	-7.999	-7.259	-0.816	6.777	8.605	0.371
SNB-D4	SNB-DE5P	22.48	7.194	-5.214	-5.214	-1.594	6.132	7.194	5.240	-0.005
SNB-D4	SNB-DE51	23.89	7.533	-7.645	7.533	7.210	1.814	-5.630	-7.645	0.000
SNB-D4	SNB-DE52	24.87	2.354	-7.959	-2.353	-5.635	-7.959	-1.599	2.354	0.004
SNB-D4	SNB-DE6P	22.53	7.210	-5.229	5.267	7.210	6.122	-1.615	-5.229	0.001
SNB-D4	SNB-DE61	24.94	2.351	-7.980	2.351	-1.609	-7.980	-5.644	-2.356	0.000
SNB-D4	SNB-DE62	23.88	7.524	-7.641	-7.641	-5.645	1.776	7.186	7.524	-0.002
SNB-D5	SNB-DF1P	26.24	8.396	-4.121	-4.121	0.359	8.396	7.603	4.693	0.246
SNB-D5	SNB-DF11	27.81	8.900	-8.726	8.900	7.592	0.362	-7.273	-8.726	0.249
SNB-D5	SNB-DF12	25.16	4.705	-8.050	-4.109	-7.260	-8.050	0.367	4.705	0.251
SNB-D5	SNB-DF2P	26.11	8.355	-4.109	4.686	7.577	8.355	0.351	-4.109	0.249
SNB-D5	SNB-DF21	25.25	4.721	-8.081	4.721	0.366	-8.081	-7.290	-4.128	0.249
SNB-D5	SNB-DF22	27.82	8.904	-8.731	-8.731	-7.282	0.353	7.591	8.904	0.248
SNB-D5	SNB-DF3P	27.15	8.687	-4.223	-4.223	0.385	8.687	7.888	4.894	0.290
SNB-D5	SNB-DF31	28.81	9.220	-8.962	9.220	7.883	0.445	-7.465	-8.962	0.287
SNB-D5	SNB-DF32	25.99	4.854	-8.317	-4.231	-7.473	-8.317	0.384	4.854	0.290
SNB-D5	SNB-DF4P	27.04	8.654	-4.235	4.902	7.879	8.654	0.362	-4.235	0.288
SNB-D5	SNB-DF41	26.03	4.849	-8.331	4.849	0.373	-8.331	-7.477	-4.228	0.289
SNB-D5	SNB-DF42	28.85	9.233	-8.969	-8.969	-7.487	0.411	7.877	9.233	0.290
SNB-D6	SNB-DG1P	30.70	9.823	-4.981	-4.981	0.312	9.823	8.725	5.282	0.119
SNB-D6	SNB-DG11	32.66	10.315	-10.450	10.315	8.716	0.183	-8.736	-10.450	0.115
SNB-D6	SNB-DG12	30.32	5.442	-9.702	-5.065	-8.737	-9.702	0.311	5.442	0.121
SNB-D6	SNB-DG2P	30.61	9.794	-4.981	5.280	8.710	9.794	0.300	-4.981	0.118
SNB-D6	SNB-DG21	30.42	5.438	-9.733	5.438	0.294	-9.733	-8.755	-5.071	0.116
SNB-D6	SNB-DG22	32.64	10.321	-10.444	-10.444	-8.742	0.165	8.710	10.321	0.121
SNB-D6	SNB-DG3P	32.59	10.429	-4.906	-4.906	0.566	10.429	9.359	5.786	0.374
SNB-D6	SNB-DG31	34.35	10.992	-10.622	10.992	9.353	0.456	-8.882	-10.622	0.368
SNB-D6	SNB-DG32	30.75	5.861	-9.840	-5.080	-8.884	-9.840	0.567	5.861	0.372
SNB-D6	SNB-DG4P	32.49	10.395	-4.912	5.783	9.343	10.395	0.547	-4.912	0.369
SNB-D6	SNB-DG41	30.83	5.859	-9.865	5.859	0.552	-9.865	-8.896	-5.082	0.370
SNB-D6	SNB-DG42	34.38	11.002	-10.617	-10.617	-8.890	0.436	9.349	11.002	0.375
SNB-D6	SNB-DH1P	29.08	9.305	-6.168	-6.168	-0.663	9.305	8.217	4.697	-0.772
SNB-D6	SNB-DH11	36.91	9.836	-11.810	9.836	8.211	-0.595	-9.959	-11.810	-0.778
SNB-D6	SNB-DH12	34.72	4.688	-11.109	-6.095	-9.954	-11.109	-0.658	4.688	-0.771
SNB-D6	SNB-DH2P	28.99	9.278	-6.171	4.696	8.205	9.278	-0.678	-6.171	-0.775
SNB-D6	SNB-DH21	34.82	4.680	-11.142	4.680	-0.678	-11.142	-9.969	-6.098	-0.777
SNB-D6	SNB-DH22	36.87	9.841	-11.800	-11.800	-9.962	-0.614	8.204	9.841	-0.770
SNB-D6	SNB-DH3P	38.04	12.172	-4.130	-4.130	1.759	12.172	10.673	6.801	1.265
SNB-D6	SNB-DH31	39.23	12.552	-10.485	12.552	10.659	1.076	-8.726	-10.485	1.258
SNB-D6	SNB-DH32	29.84	7.374	-9.547	-4.757	-8.720	-9.547	1.759	7.374	1.264
SNB-D6	SNB-DH4P	37.93	12.138	-4.130	6.791	10.650	12.138	1.744	-4.130	1.260
SNB-D6	SNB-DH41	29.93	7.374	-9.579	7.374	1.744	-9.579	-8.738	-4.763	1.261
SNB-D6	SNB-DH42	39.25	12.561	-10.476	-10.476	-8.726	1.065	10.657	12.561	1.267
SNB-D7	SNB-DI1P	50.69	2.873	-16.219	-16.219	-9.509	2.873	1.416	-3.021	-9.629
SNB-D7	SNB-DI11	72.17	3.502	-23.093	3.502	1.411	-9.624	-20.917	-23.093	-9.636
SNB-D7	SNB-DI12	69.57	0.000	-22.261	-16.322	-20.915	-22.261	-9.502	-2.914	-9.628
SNB-D7	SNB-DI2P	50.71	2.843	-16.225	-3.022	1.405	2.843	-9.529	-16.225	-9.632
SNB-D7	SNB-DI21	69.67	0.000	-22.295	-2.926	-9.527	-22.295	-20.927	-16.322	-9.634
SNB-D7	SNB-DI22	72.14	3.512	-23.084	-23.084	-20.923	-9.643	1.407	3.512	-9.626
SNB-D7	SNB-DI3P	67.24	21.516	0.000	1.738	8.803	21.516	19.799	15.225	8.430
SNB-D7	SNB-DI31	68.81	22.019	-5.635	22.019	19.788	8.424	-3.380	-5.635	8.421
SNB-D7	SNB-DI32	48.80	15.617	-4.714	1.433	-3.372	-4.714	8.805	15.617	8.428
SNB-D7	SNB-DI4P	67.14	21.483	0.000	15.218	19.782	21.483	8.785	1.734	8.424
SNB-D7	SNB-DI41	48.79	15.613	-4.749	15.613	8.785	-4.749	-3.389	1.428	8.424
SNB-D7	SNB-DI42	68.83	22.026	-5.622	-5.622	-3.378	8.414	19.784	22.026	8.431
SNB-L1	SNB-LA1P	1.06	0.000	-1.059	-0.489	-0.825	-1.059	-0.541	-0.148	-0.319
SNB-L1	SNB-LA11	1.41	0.943	-1.416	-1.416	-0.935	0.327	0.943	0.760	-0.333
SNB-L1	SNB-LA12	0.98	0.621	-0.983	0.395	0.621	0.329	-0.577	-0.983	-0.296
SNB-L1	SNB-LA2P	3.96	0.000	-3.971	-0.668	-2.325	-3.971	-2.125	-0.424	-0.552
SNB-L1	SNB-LA21	3.31	2.529	-3.321	-3.321	-2.186	0.940	2.529	2.158	-0.589
SNB-L1	SNB-LA22	3.22	2.696	-3.223	2.247	2.696	1.178	-2.024	-3.223	-0.490
SNB-L1	SNB-LA3P	8.23	0.000	-8.242	-0.878	-4.459	-8.242	-4.400	-0.797	-0.846
SNB-L1	SNB-LA31	6.85	5.921	-6.859	-6.859	-4.341	2.560	5.921	5.092	-0.895
SNB-L1	SNB-LA32	6.81	6.222	-6.824	5.344	6.222	2.820	-4.241	-6.824	-0.744
SNB-L1	SNB-LA4P	12.64	0.000	-12.661	-1.174	-6.725	-12.661	-6.581	-0.992	-1.090
SNB-L1	SNB-LA41	11.36	10.619	-11.384	-11.384	-6.983	4.968	10.619	9.133	-1.142

SNB-L1	SNB-LA42	10.79	10.395	-10.807	8.911	10.395	5.025	-6.526	-10.807	-0.954
SNB-L2	SNB-LB1P	12.03	0.000	-18.928	-1.636	-9.889	-18.928	-9.953	-1.697	-1.674
SNB-L2	SNB-LB11	10.31	14.864	-16.222	-16.222	-10.006	6.926	14.864	12.818	-1.726
SNB-L2	SNB-LB12	10.16	15.016	-15.989	12.984	15.016	7.083	-9.806	-15.989	-1.513
SNB-L2	SNB-LB2P	16.11	0.000	-25.352	-1.897	-13.037	-25.352	-13.061	-1.913	-1.926
SNB-L2	SNB-LB21	13.64	20.286	-21.462	-21.462	-13.063	9.749	20.286	17.554	-1.976
SNB-L2	SNB-LB22	13.50	20.492	-21.241	17.760	20.492	9.959	-12.850	-21.241	-1.751
SNB-L2	SNB-LB3P	20.59	0.000	-32.406	-2.224	-16.520	-32.406	-16.525	-2.221	-2.247
SNB-L2	SNB-LB31	17.36	26.269	-27.323	-27.323	-16.531	12.794	26.269	22.790	-2.293
SNB-L2	SNB-LB32	17.23	26.490	-27.106	23.005	26.490	13.017	-16.314	-27.106	-2.065
SNB-L2	SNB-LB4P	24.74	0.000	-38.927	-2.531	-19.734	-38.927	-19.788	-2.582	-2.568
SNB-L2	SNB-LB41	20.89	31.915	-32.873	-32.873	-19.838	15.628	31.915	27.726	-2.609
SNB-L2	SNB-LB42	20.73	32.067	-32.618	27.894	32.067	15.792	-19.617	-32.618	-2.384
SNB-L2	SNB-LC1P	32.37	0.000	-47.647	-3.020	-24.070	-47.647	-24.077	-3.016	-3.042
SNB-L2	SNB-LC11	27.26	39.142	-40.123	-40.123	-24.146	19.295	39.142	34.042	-3.079
SNB-L2	SNB-LC12	27.07	39.273	-39.849	34.179	39.273	19.477	-23.897	-39.849	-2.861
SNB-L2	SNB-LC2P	42.28	0.000	-62.172	-3.763	-31.255	-62.172	-31.234	-3.727	-3.772
SNB-L2	SNB-LC21	35.46	51.251	-52.153	-52.153	-31.289	25.441	51.251	44.627	-3.817
SNB-L2	SNB-LC22	35.30	51.445	-51.912	44.811	51.445	25.668	-31.048	-51.912	-3.592
SNB-L2	SNB-LC3P	50.89	0.000	-74.911	-3.806	-37.204	-74.911	-37.228	-3.827	-3.845
SNB-L2	SNB-LC31	42.53	62.910	-62.608	-62.608	-37.251	31.670	62.910	54.898	-3.904
SNB-L2	SNB-LC32	42.41	63.157	-62.419	55.145	63.157	31.902	-37.052	-62.419	-3.675
SNB-L3	SNB-LD1P	62.23	0.000	-89.835	-4.548	-44.541	-89.835	-44.537	-4.535	-4.576
SNB-L3	SNB-LD11	52.00	75.407	-75.056	-75.056	-44.632	38.043	75.407	65.839	-4.663
SNB-L3	SNB-LD12	51.81	75.625	-74.791	66.054	75.625	38.287	-44.370	-74.791	-4.411
SNB-L3	SNB-LD2P	74.48	0.000	-107.451	-5.366	-53.155	-107.451	-53.145	-5.347	-5.376
SNB-L3	SNB-LD21	62.14	90.215	-89.655	-89.655	-53.276	45.625	90.215	78.813	-5.499
SNB-L3	SNB-LD22	61.94	90.478	-89.361	79.071	90.478	45.910	-52.983	-89.361	-5.211
SNB-L3	SNB-LD3P	84.04	0.000	-121.317	-5.360	-59.530	-121.317	-59.543	-5.367	-5.385
SNB-L3	SNB-LD31	69.95	102.892	-100.974	-100.974	-59.684	52.499	102.892	90.024	-5.534
SNB-L3	SNB-LD32	69.74	103.187	-100.677	90.320	103.187	52.804	-59.384	-100.677	-5.226
SNB-L4	SNB-LE1P	50.27	0.000	-139.196	-6.264	-68.229	-139.196	-68.248	-6.278	-6.322
SNB-L4	SNB-LE11	41.79	117.471	-115.718	-115.718	-68.412	60.013	117.471	102.823	-6.495
SNB-L4	SNB-LE12	41.67	117.783	-115.396	103.138	117.783	60.335	-68.090	-115.396	-6.165
SNB-L4	SNB-LE2P	57.78	0.000	-159.915	-7.260	-78.288	-159.915	-78.295	-7.262	-7.279
SNB-L4	SNB-LE21	47.97	134.689	-132.761	-132.761	-78.486	68.920	134.689	117.949	-7.474
SNB-L4	SNB-LE22	47.84	135.023	-132.414	118.282	135.023	69.263	-78.140	-132.414	-7.122
SNB-L4	SNB-LE3P	62.98	0.000	-174.388	-7.399	-84.944	-174.388	-84.933	-7.380	-7.398
SNB-L4	SNB-LE31	52.18	147.586	-144.472	-144.472	-85.142	75.954	147.586	129.380	-7.603
SNB-L4	SNB-LE32	52.05	147.929	-144.119	129.719	147.929	76.316	-84.783	-144.119	-7.247
SNB-L4	SNB-LF1P	76.82	0.000	-195.312	-9.058	-95.366	-195.312	-95.366	-9.052	-9.009
SNB-L4	SNB-LF11	63.59	163.642	-161.668	-161.668	-95.576	84.017	163.642	143.441	-9.222
SNB-L4	SNB-LF12	63.45	163.993	-161.317	143.789	163.993	84.379	-95.220	-161.317	-8.863
SNB-L4	SNB-LF2P	85.74	0.000	-217.993	-9.838	-106.038	-217.993	-106.048	-9.843	-9.794
SNB-L4	SNB-LF21	70.82	182.645	-180.053	-180.053	-106.261	94.179	182.645	160.251	-10.011
SNB-L4	SNB-LF22	70.68	182.992	-179.702	160.598	182.992	94.533	-105.909	-179.702	-9.652
SNB-L5	SNB-LG1P	74.59	0.000	-242.550	-11.216	-117.830	-242.550	-117.836	-11.217	-11.157
SNB-L5	SNB-LG11	61.50	202.110	-199.971	-199.971	-118.046	104.403	202.110	177.434	-11.368
SNB-L5	SNB-LG12	61.39	202.447	-199.629	177.771	202.447	104.749	-117.701	-199.629	-11.020
SNB-L5	SNB-LG2P	82.44	0.000	-268.074	-12.360	-129.916	-268.074	-129.922	-12.361	-12.300
SNB-L5	SNB-LG21	67.84	222.849	-220.599	-220.599	-130.122	115.453	222.849	195.781	-12.505
SNB-L5	SNB-LG22	67.74	223.177	-220.268	196.108	223.177	115.790	-129.788	-220.268	-12.167
SNB-L5	SNB-LH1P	89.97	0.000	-292.551	-12.763	-141.078	-292.551	-141.081	-12.762	-12.676
SNB-L5	SNB-LH11	73.86	244.022	-240.175	-240.175	-141.274	127.122	244.022	214.619	-12.872
SNB-L5	SNB-LH12	73.77	244.335	-239.858	214.931	244.335	127.442	-140.955	-239.858	-12.550
SNB-L5	SNB-LH2P	98.47	0.000	-320.186	-15.985	-155.194	-320.186	-155.198	-15.987	-15.893
SNB-L5	SNB-LH21	80.83	262.588	-262.827	-262.827	-155.382	136.110	262.588	230.833	-16.082
SNB-L5	SNB-LH22	80.74	262.888	-262.523	231.133	262.888	136.413	-155.078	-262.523	-15.772
SNB-L6	SNB-LI1P	79.37	0.000	-335.990	-5.817	-156.550	-335.990	-156.551	-5.819	-5.757
SNB-L6	SNB-LI11	64.55	295.703	-273.255	-273.255	-156.726	159.221	295.703	261.507	-5.937
SNB-L6	SNB-LI12	64.49	295.988	-272.968	261.791	295.988	159.503	-156.441	-272.968	-5.644
SNB-L6	SNB-LI2P	90.77	0.000	-384.235	-26.336	-189.388	-384.235	-189.382	-26.333	-26.223
SNB-L6	SNB-LI21	74.60	299.889	-315.764	-315.764	-189.554	152.598	299.889	263.053	-26.394
SNB-L6	SNB-LI22	74.53	300.160	-315.490	263.322	300.160	152.861	-189.284	-315.490	-26.116
Connect	Connect AP	0.00	0.878	0.000	0.063	0.462	0.878	0.495	0.069	0.065
Connect	Connect A1	0.00	0.228	-0.068	0.228	0.206	0.134	-0.044	-0.068	0.080
Connect	Connect A2	0.00	0.528	-0.485	-0.436	-0.485	-0.092	0.387	0.528	0.044
Connect	Connect AaP	0.00	0.297	-0.031	-0.031	0.080	0.297	0.278	0.186	0.078
Connect	Connect Aa1	0.01	1.201	-1.132	1.201	0.816	-0.366	-1.132	-1.063	0.071
Connect	Connect Aa2	0.00	0.593	-0.449	-0.449	-0.377	0.106	0.540	0.593	0.073
Connect	Connect AbP	0.00	1.140	-0.222	0.377	0.846	1.140	0.346	-0.222	0.079
Connect	Connect Ab1	0.00	0.166	-0.022	-0.010	-0.022	0.061	0.147	0.166	0.079
Connect	Connect Ab2	0.00	0.255	-0.433	-0.096	-0.340	-0.433	-0.030	0.255	0.081
Connect	Connect AcP	0.00	0.192	0.000	0.013	0.050	0.177	0.192	0.162	0.085
Connect	Connect Ac1	0.00	0.991	-0.861	0.991	0.711	-0.208	-0.861	-0.838	0.080
Connect	Connect Ac2	0.00	0.521	-0.356	-0.356	-0.279	0.150	0.497	0.521	0.085
Connect	Connect BP	0.00	0.243	0.000	0.208	0.236	0.243	0.098	0.014	0.120
Connect	Connect B1	0.00	0.755	-0.373	-0.373	-0.130	0.550	0.755	0.615	0.119
Connect	Connect B2	0.00	0.541	-0.249	0.502	0.541	0.378	-0.083	-0.249	0.126
Connect	Connect BaP	0.01	1.170	0.000	0.102	0.611	1.170	0.655	0.141	0.112
Connect	Connect Ba1	0.00	1.141	-1.042	1.141	0.748	-0.388	-1.042	-0.932	0.111

Connect	Connect Ba2	0.00	1.128	-1.016	-0.907	-1.016	-0.347	0.767	1.128	0.117
Connect	Connect BbP	0.00	0.134	0.000	0.134	0.110	0.066	0.095	0.097	0.128
Connect	Connect Bb1	0.00	0.300	-0.016	-0.016	0.033	0.236	0.300	0.283	0.128
Connect	Connect Bb2	0.00	0.268	0.000	0.268	0.262	0.198	0.042	0.006	0.133
Connect	Connect BcP	0.00	0.290	-0.648	0.186	-0.212	-0.648	-0.115	0.290	0.222
Connect	Connect Bc1	0.00	0.858	-0.359	-0.359	-0.076	0.639	0.858	0.771	0.218
Connect	Connect Bc2	0.00	0.968	-0.424	0.851	0.968	0.756	-0.066	-0.424	0.224
Connect	Connect CP	0.01	2.310	0.000	0.357	1.299	2.310	1.223	0.256	0.336
Connect	Connect C1	0.01	1.717	-1.204	1.717	1.108	-0.466	-1.204	-1.022	0.344
Connect	Connect C2	0.01	1.881	-1.447	-1.201	-1.447	-0.632	1.179	1.881	0.339
Connect	Connect CaP	0.01	1.774	0.000	0.209	0.931	1.774	1.024	0.300	0.250
Connect	Connect Ca1	0.01	1.710	-1.419	1.710	1.103	-0.575	-1.419	-1.224	0.254
Connect	Connect Ca2	0.01	1.559	-1.225	-1.073	-1.225	-0.451	1.041	1.559	0.252
Connect	Connect CbP	0.00	1.036	0.000	0.326	0.706	1.036	0.645	0.248	0.292
Connect	Connect Cb1	0.00	0.882	-0.389	0.882	0.641	-0.014	-0.389	-0.292	0.303
Connect	Connect Cb2	0.00	0.912	-0.473	-0.343	-0.473	-0.096	0.635	0.912	0.294
Connect	Connect DP	0.00	0.900	0.000	0.569	0.723	0.900	0.721	0.565	0.593
Connect	Connect D1	0.00	0.842	0.000	0.842	0.731	0.455	0.314	0.338	0.606
Connect	Connect D2	0.00	0.832	0.000	0.318	0.286	0.441	0.726	0.832	0.590
Connect	Connect DaP	0.00	1.092	0.000	0.417	0.748	1.092	0.751	0.412	0.417
Connect	Connect Da1	0.00	1.038	-0.322	1.038	0.778	0.062	-0.322	-0.228	0.416
Connect	Connect Da2	0.00	0.980	-0.257	-0.167	-0.257	0.089	0.745	0.980	0.418
Connect	Connect DbP	0.00	1.108	0.000	0.413	0.724	1.108	0.706	0.382	0.412
Connect	Connect Db1	0.00	0.954	-0.210	0.954	0.712	0.076	-0.210	-0.149	0.408
Connect	Connect Db2	0.00	0.950	-0.210	-0.138	-0.210	0.052	0.699	0.950	0.412
Connect	Connect EP	0.02	3.659	0.000	0.770	2.126	3.659	2.121	0.766	0.787
Connect	Connect E1	0.01	3.142	-1.969	3.142	2.122	-0.681	-1.969	-1.647	0.788
Connect	Connect E2	0.01	3.135	-1.971	-1.645	-1.971	-0.676	2.124	3.135	0.785
Connect	Connect EaP	0.00	0.560	-0.677	0.521	-0.066	-0.677	-0.064	0.516	0.560
Connect	Connect Ea1	0.01	1.782	-0.505	-0.505	-0.072	1.180	1.782	1.615	0.556
Connect	Connect Ea2	0.01	1.781	-0.496	1.619	1.781	1.176	-0.065	-0.496	0.562
Connect	Connect EbP	0.00	0.614	-0.647	0.614	0.051	-0.647	0.021	0.579	0.554
Connect	Connect Eb1	0.01	1.554	-0.432	-0.432	0.030	1.144	1.554	1.446	0.547
Connect	Connect Eb2	0.01	1.560	-0.433	1.463	1.560	1.142	0.027	-0.433	0.555
Connect	Connect FP	0.00	0.760	0.000	0.614	0.409	0.235	0.408	0.612	0.760
Connect	Connect F1	0.01	1.256	0.000	0.357	0.439	0.917	1.256	1.164	0.757
Connect	Connect F2	0.01	1.337	0.000	1.237	1.337	0.963	0.404	0.289	0.759
Connect	Connect FaP	0.01	1.398	0.000	0.874	1.166	1.398	1.139	0.839	0.736
Connect	Connect Fa1	0.01	1.285	-0.130	1.285	1.143	0.399	-0.130	0.001	0.730
Connect	Connect Fa2	0.01	1.308	-0.158	-0.013	-0.158	0.365	1.147	1.308	0.736
Connect	Connect GP	0.01	2.569	0.000	0.504	1.371	2.569	1.385	0.518	0.754
Connect	Connect G1	0.01	2.122	-0.676	2.122	1.364	-0.257	-0.676	-0.584	0.750
Connect	Connect G2	0.01	2.120	-0.660	-0.572	-0.660	-0.240	1.369	2.120	0.755
Connect	Connect GaP	0.01	1.673	0.000	0.899	1.325	1.673	1.323	0.896	0.715
Connect	Connect Ga1	0.01	1.552	-0.575	1.552	1.332	0.205	-0.575	-0.375	0.714
Connect	Connect Ga2	0.01	1.557	-0.577	-0.375	-0.577	0.202	1.335	1.557	0.716
Connect	Connect HP	0.01	1.329	0.000	1.029	1.005	1.170	1.005	1.028	1.329
Connect	Connect H1	0.01	1.749	0.000	1.103	1.003	1.279	1.749	1.617	1.329
Connect	Connect H2	0.01	1.748	0.000	1.617	1.748	1.281	1.006	1.106	1.330
Connect	Connect HaP	0.01	2.332	0.000	1.010	1.683	2.332	1.692	1.020	0.820
Connect	Connect Ha1	0.01	2.092	-0.985	2.092	1.683	0.021	-0.985	-0.721	0.819
Connect	Connect Ha2	0.01	2.089	-0.975	-0.714	-0.975	0.030	1.685	2.089	0.821
Connect	Connect IP	0.04	8.083	0.000	4.838	6.204	8.083	6.201	4.836	5.110
Connect	Connect I1	0.03	7.379	0.000	7.379	6.201	3.485	2.688	2.866	5.109
Connect	Connect I2	0.03	7.401	0.000	2.847	2.665	3.476	6.215	7.401	5.111
Connect	Connect IaP	0.00	0.759	-0.961	-0.874	-0.104	0.759	-0.096	-0.864	-0.961
Connect	Connect Ia1	0.01	0.435	-2.764	0.435	-0.106	-1.874	-2.764	-2.535	-0.962
Connect	Connect Ia2	0.01	0.432	-2.755	-2.529	-2.755	-1.863	-0.104	0.432	-0.961
SNB-H1	SNB-H1P	0.40	0.472	-0.302	-0.302	-0.071	0.394	0.472	0.321	0.009
SNB-H1	SNB-H11	0.27	0.316	-0.284	-0.284	-0.199	0.145	0.316	0.299	0.006
SNB-H1	SNB-H12	0.16	0.195	-0.158	0.158	0.195	0.134	-0.062	-0.158	-0.000
SNB-H1	SNB-H2P	0.56	0.654	-0.615	-0.615	-0.415	0.245	0.654	0.604	0.003
SNB-H1	SNB-H21	0.39	0.458	-0.219	-0.219	0.012	0.458	0.434	0.254	0.004
SNB-H1	SNB-H22	0.54	0.578	-0.593	0.578	0.495	-0.012	-0.518	-0.593	0.002
SNB-H1	SNB-H3P	0.83	0.984	-0.547	0.812	0.984	0.716	-0.159	-0.547	0.146
SNB-H1	SNB-H31	0.73	0.255	-0.780	0.054	-0.379	-0.780	-0.207	0.255	0.144
SNB-H1	SNB-H32	0.79	0.938	-0.570	-0.570	-0.237	0.595	0.938	0.822	0.141
SNB-H1	SNB-H4P	1.49	1.756	-0.934	1.597	1.756	1.090	-0.387	-0.934	0.349
SNB-H1	SNB-H41	1.15	0.350	-1.189	0.350	-0.365	-1.189	-0.385	0.326	0.345
SNB-H1	SNB-H42	1.50	1.769	-0.951	-0.951	-0.394	1.103	1.769	1.599	0.341
SNB-H2	SNB-H5P	1.89	3.381	-2.138	3.020	3.381	1.973	-1.045	-2.138	0.457
SNB-H2	SNB-H51	1.68	0.453	-2.662	0.412	-1.040	-2.662	-1.050	0.401	0.453
SNB-H2	SNB-H52	1.89	3.373	-2.141	-2.141	-1.048	1.967	3.373	3.008	0.450
SNB-H2	SNB-H6P	0.47	0.832	-0.585	0.800	0.832	0.636	-0.164	-0.585	0.220
SNB-H2	SNB-H61	0.51	0.332	-0.783	0.332	-0.136	-0.783	-0.168	0.294	0.218
SNB-H2	SNB-H62	0.46	0.829	-0.580	-0.580	-0.152	0.649	0.829	0.787	0.215
SNB-H2	SNB-H7P	0.17	0.174	-0.261	-0.155	-0.261	0.105	0.174	-0.029	0.089
SNB-H2	SNB-H71	0.15	0.268	-0.149	0.268	0.176	-0.149	0.167	0.257	0.089
SNB-H2	SNB-H72	0.17	0.174	-0.253	-0.033	0.174	0.114	-0.253	-0.151	0.089
SNB-H2	SNB-H8P	0.80	1.423	0.000	0.368	0.184	0.845	1.423	1.360	1.083
SNB-H2	SNB-H81	0.80	1.423	0.000	1.295	1.422	1.308	1.423	1.296	1.083

SNB-H2	SNB-H82	0.80	1.423	0.000	1.360	1.423	0.847	0.185	0.369	1.083
SNB-H2	SNB-H9P	5.70	10.198	0.000	9.939	9.829	10.198	10.177	9.920	10.131
SNB-H2	SNB-H91	5.77	10.322	0.000	10.310	10.171	9.752	10.181	10.322	10.131
SNB-H2	SNB-H92	5.70	10.193	0.000	9.917	10.171	10.193	9.829	9.943	10.131





Twist and Out-of-Plumb for "W+I -90 deg":

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	-0.00	0.04	0.03
20.00	-0.00	0.07	0.23
30.00	-0.00	0.11	0.43
40.00	-0.00	0.18	0.85
50.00	-0.00	0.21	1.26
60.00	-0.00	0.28	1.87
70.00	-0.00	0.31	2.48
80.00	-0.00	0.38	3.30
86.66	-0.00	0.41	3.86
93.34	-0.00	0.44	4.49
100.00	-0.00	0.48	5.16
106.66	-0.00	0.52	5.87
113.34	-0.00	0.56	6.66
120.00	-0.00	0.60	7.50
126.66	-0.01	0.63	8.37
133.34	-0.01	0.67	9.31

140.00	-0.01	0.68	10.27
145.00	-0.01	0.69	10.97
150.00	-0.01	0.73	11.76
155.00	-0.01	0.71	12.49
160.00	-0.02	0.74	13.27
165.00	-0.02	0.73	14.03
170.00	-0.02	0.75	14.82
175.00	-0.02	0.74	15.59
180.00	-0.02	0.75	16.37

Twist and Out-of-Plumb for "W+I -60 deg":

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.02
20.00	0.00	0.07	0.23
30.00	0.00	0.11	0.42
40.00	0.00	0.18	0.83
50.00	0.00	0.21	1.23
60.00	0.01	0.27	1.83
70.00	0.01	0.30	2.43
80.00	0.01	0.37	3.23
86.66	0.01	0.40	3.78
93.34	0.01	0.44	4.39
100.00	0.01	0.47	5.04
106.66	0.01	0.50	5.74
113.34	0.01	0.55	6.51
120.00	0.02	0.59	7.34
126.66	0.02	0.62	8.19
133.34	0.02	0.65	9.12
140.00	0.02	0.67	10.05
145.00	0.02	0.67	10.74
150.00	0.02	0.72	11.52
155.00	0.02	0.70	12.23
160.00	0.03	0.72	12.99
165.00	0.03	0.72	13.75
170.00	0.03	0.73	14.51
175.00	0.03	0.73	15.28
180.00	0.03	0.73	16.04

Twist and Out-of-Plumb for "W+I 0 deg":

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.03
20.00	0.00	0.08	0.25
30.00	0.01	0.12	0.46
40.00	0.01	0.19	0.90
50.00	0.01	0.23	1.35
60.00	0.01	0.29	2.00
70.00	0.02	0.33	2.66
80.00	0.02	0.40	3.53
86.66	0.02	0.44	4.12
93.34	0.02	0.47	4.79
100.00	0.03	0.51	5.50
106.66	0.03	0.55	6.25
113.34	0.04	0.59	7.09
120.00	0.04	0.64	7.98
126.66	0.04	0.67	8.90
133.34	0.05	0.70	9.90
140.00	0.06	0.72	10.91
145.00	0.06	0.73	11.65
150.00	0.07	0.77	12.48
155.00	0.07	0.75	13.25
160.00	0.08	0.78	14.07
165.00	0.09	0.78	14.89
170.00	0.09	0.78	15.70
175.00	0.10	0.79	16.53
180.00	0.10	0.78	17.35

Twist and Out-of-Plumb for "W+I 60 deg":

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.02
20.00	0.00	0.07	0.23
30.00	0.00	0.11	0.41
40.00	0.00	0.18	0.83
50.00	0.01	0.21	1.22
60.00	0.01	0.27	1.83
70.00	0.01	0.30	2.42
80.00	0.01	0.37	3.23
86.66	0.01	0.40	3.77
93.34	0.01	0.43	4.38
100.00	0.02	0.46	5.04
106.66	0.02	0.50	5.73
113.34	0.02	0.55	6.50
120.00	0.02	0.59	7.33
126.66	0.03	0.62	8.18
133.34	0.03	0.65	9.10
140.00	0.04	0.67	10.04
145.00	0.04	0.67	10.73
150.00	0.04	0.72	11.50
155.00	0.05	0.70	12.21
160.00	0.06	0.72	12.97
165.00	0.06	0.72	13.72
170.00	0.06	0.73	14.49
175.00	0.07	0.72	15.24
180.00	0.07	0.73	16.01

Twist and Out-of-Plumb for "W+I 90 deg":

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.03
20.00	0.00	0.07	0.23
30.00	0.00	0.11	0.43
40.00	0.00	0.18	0.84
50.00	0.00	0.21	1.26
60.00	0.00	0.28	1.87
70.00	0.00	0.31	2.48
80.00	0.00	0.38	3.30
86.66	0.00	0.41	3.86
93.34	0.00	0.44	4.48
100.00	0.00	0.47	5.15
106.66	0.00	0.51	5.86
113.34	0.00	0.56	6.65
120.00	0.01	0.60	7.49
126.66	0.01	0.63	8.36
133.34	0.01	0.66	9.30
140.00	0.01	0.68	10.25
145.00	0.01	0.68	10.95
150.00	0.01	0.73	11.74
155.00	0.01	0.71	12.46
160.00	0.02	0.73	13.24
165.00	0.02	0.73	14.00
170.00	0.02	0.74	14.79
175.00	0.02	0.74	15.55
180.00	0.02	0.74	16.34

Twist and Out-of-Plumb for "DL + Ice Only":

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.00
20.00	0.00	-0.01	0.00
30.00	0.00	0.00	0.00
40.00	0.00	-0.00	0.00
50.00	0.00	-0.00	0.00
60.00	0.00	0.00	0.00

70.00	0.00	-0.00	0.00
80.00	0.00	0.00	0.00
86.66	0.00	-0.00	0.00
93.34	0.00	-0.00	0.00
100.00	-0.00	-0.00	0.00
106.66	-0.00	-0.00	0.00
113.34	-0.00	-0.00	0.01
120.00	-0.00	0.00	0.01
126.66	-0.00	-0.00	0.01
133.34	-0.00	-0.00	0.01
140.00	-0.00	0.00	0.01
145.00	-0.00	-0.00	0.01
150.00	-0.00	0.00	0.01
155.00	-0.00	-0.00	0.01
160.00	-0.00	0.00	0.01
165.00	-0.00	-0.00	0.01
170.00	-0.00	0.00	0.02
175.00	-0.00	-0.00	0.02
180.00	-0.00	0.00	0.02

*** Analysis Results for Load Case No. 1 "W+I -90 deg" - Number of iterations in SAPS 12

Equilibrium Joint Positions and Rotations for Load Case "W+I -90 deg":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	-0.0009555	-1.366	-0.08723	0.0000	0.0000	0.0000	4.332	-1.366	179.9
RohnBP	-0.001429	-1.107	-0.0775	0.0000	0.0000	0.0000	5.12	-1.107	159.9
RohnCP	-0.001877	-0.8568	-0.06748	0.0000	0.0000	0.0000	5.907	-0.8568	139.9
RohnDP	-0.002296	-0.6257	-0.05739	0.0000	0.0000	0.0000	6.693	-0.6257	119.9
RohnEP	-0.002688	-0.4303	-0.0472	0.0000	0.0000	0.0000	7.478	-0.4303	99.95
RohnFP	-0.003087	-0.2755	-0.03757	0.0000	0.0000	0.0000	8.265	-0.2755	79.96
RohnGP	-0.003466	-0.1564	-0.02813	0.0000	0.0000	0.0000	9.052	-0.1564	59.97
RohnHP	-0.003775	-0.07057	-0.01884	0.0000	0.0000	0.0000	9.837	-0.07057	39.98
RohnIP	-0.003666	-0.01934	-0.00942	0.0000	0.0000	0.0000	10.63	-0.01934	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	-0.0001667	-1.364	-0.0816	0.0000	0.0000	0.0000	2.333	-1.364	179.9
SNB-BP	-0.0006408	-1.105	-0.07201	0.0000	0.0000	0.0000	3.12	-1.105	159.9
SNB-CP	-0.00109	-0.8553	-0.06242	0.0000	0.0000	0.0000	3.907	-0.8553	139.9
SNB-DP	-0.001511	-0.6255	-0.05291	0.0000	0.0000	0.0000	4.693	-0.6255	119.9
SNB-EP	-0.001905	-0.4303	-0.04354	0.0000	0.0000	0.0000	5.479	-0.4303	99.96
SNB-FP	-0.002305	-0.2756	-0.03469	0.0000	0.0000	0.0000	6.266	-0.2756	79.97
SNB-GP	-0.002685	-0.1557	-0.02592	0.0000	0.0000	0.0000	7.052	-0.1557	59.97
SNB-HP	-0.002994	-0.07021	-0.0173	0.0000	0.0000	0.0000	7.838	-0.07021	39.98
SNB-IP	-0.002885	-0.01862	-0.00863	0.0000	0.0000	0.0000	8.625	-0.01862	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.0004385	-1.362	-0.1352	0.0000	0.0000	0.0000	-2.166	-5.114	179.9
RohnA2	0.002629	-1.365	-0.03916	0.0000	0.0000	0.0000	-2.164	2.387	180
RohnB1	0.000407	-1.103	-0.1328	0.0000	0.0000	0.0000	-2.56	-5.537	159.9
RohnB2	0.002722	-1.107	-0.022	0.0000	0.0000	0.0000	-2.558	3.328	160
RohnC1	0.000948	-0.8526	-0.1269	0.0000	0.0000	0.0000	-2.954	-5.97	139.9
RohnC2	0.002162	-0.8573	-0.007848	0.0000	0.0000	0.0000	-2.952	4.26	140
RohnD1	0.0009178	-0.6226	-0.1169	0.0000	0.0000	0.0000	-3.347	-6.421	119.9
RohnD2	0.002298	-0.6277	0.002268	0.0000	0.0000	0.0000	-3.345	5.17	120
RohnE1	0.001112	-0.4274	-0.1005	0.0000	0.0000	0.0000	-3.739	-6.906	99.9
RohnE2	0.002216	-0.4328	0.006156	0.0000	0.0000	0.0000	-3.738	6.046	100
RohnF1	0.001442	-0.2725	-0.08388	0.0000	0.0000	0.0000	-4.133	-7.433	79.92
RohnF2	0.002149	-0.2783	0.008836	0.0000	0.0000	0.0000	-4.132	6.882	80.01
RohnG1	0.001959	-0.1526	-0.06534	0.0000	0.0000	0.0000	-4.526	-7.994	59.93
RohnG2	0.001863	-0.1588	0.009158	0.0000	0.0000	0.0000	-4.526	7.683	60.01
RohnH1	0.002032	-0.0669	-0.0455	0.0000	0.0000	0.0000	-4.918	-8.589	39.95
RohnH2	0.001982	-0.07345	0.007875	0.0000	0.0000	0.0000	-4.919	8.449	40.01
RohnI1	0.002143	-0.01562	-0.02241	0.0000	0.0000	0.0000	-5.313	-9.221	19.98
RohnI2	0.001669	-0.0219	0.003592	0.0000	0.0000	0.0000	-5.313	9.184	20
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	0.001197	-1.363	-0.1077	0.0000	0.0000	0.0000	-1.165	-3.384	179.9
SNB-A2	0.001198	-1.365	-0.05541	0.0000	0.0000	0.0000	-1.165	0.6554	179.9
SNB-B1	0.001192	-1.104	-0.1061	0.0000	0.0000	0.0000	-1.559	-3.807	159.9
SNB-B2	0.001174	-1.107	-0.0378	0.0000	0.0000	0.0000	-1.559	1.596	160
SNB-C1	0.001159	-0.8537	-0.1026	0.0000	0.0000	0.0000	-1.953	-4.238	139.9
SNB-C2	0.001218	-0.8569	-0.02218	0.0000	0.0000	0.0000	-1.953	2.528	140
SNB-D1	0.00116	-0.6238	-0.09554	0.0000	0.0000	0.0000	-2.346	-4.69	119.9
SNB-D2	0.001272	-0.6274	-0.0102	0.0000	0.0000	0.0000	-2.346	3.439	120
SNB-E1	0.001197	-0.4284	-0.08273	0.0000	0.0000	0.0000	-2.739	-5.175	99.92
SNB-E2	0.001363	-0.4324	-0.004281	0.0000	0.0000	0.0000	-2.739	4.314	100
SNB-F1	0.001331	-0.2734	-0.07115	0.0000	0.0000	0.0000	-3.133	-5.702	79.93
SNB-F2	0.001387	-0.2778	0.001844	0.0000	0.0000	0.0000	-3.133	5.15	80
SNB-G1	0.001453	-0.1533	-0.05605	0.0000	0.0000	0.0000	-3.526	-6.263	59.94
SNB-G2	0.001454	-0.1581	0.004269	0.0000	0.0000	0.0000	-3.526	5.952	60
SNB-H1	0.001564	-0.06754	-0.03963	0.0000	0.0000	0.0000	-3.919	-6.858	39.96
SNB-H2	0.001525	-0.07281	0.005081	0.0000	0.0000	0.0000	-3.919	6.718	40.01
SNB-I1	0.001455	-0.01613	-0.01993	0.0000	0.0000	0.0000	-4.313	-7.488	19.98
SNB-I2	0.001458	-0.02112	0.00269	0.0000	0.0000	0.0000	-4.313	7.451	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	-0.001043	-1.3	-0.08482	0.0000	0.0000	0.0000	4.529	-1.3	174.9
RohnAbS	-0.001199	-1.236	-0.08241	0.0000	0.0000	0.0000	4.726	-1.236	169.9
RohnAcS	-0.001257	-1.171	-0.07994	0.0000	0.0000	0.0000	4.923	-1.171	164.9
RohnBaS	-0.001476	-1.042	-0.075	0.0000	0.0000	0.0000	5.317	-1.042	154.9
RohnBbS	-0.001675	-0.9813	-0.07255	0.0000	0.0000	0.0000	5.513	-0.9813	149.9
RohnBcS	-0.001682	-0.9155	-0.06998	0.0000	0.0000	0.0000	5.71	-0.9155	144.9
RohnCaS	-0.001931	-0.777	-0.06413	0.0000	0.0000	0.0000	6.169	-0.777	133.3
RohnCbS	-0.00205	-0.6985	-0.06073	0.0000	0.0000	0.0000	6.431	-0.6985	126.6
RohnDaS	-0.002297	-0.5552	-0.05396	0.0000	0.0000	0.0000	6.954	-0.5552	113.3
RohnDbS	-0.00242	-0.4895	-0.05055	0.0000	0.0000	0.0000	7.217	-0.4895	106.6
RohnEaS	-0.002744	-0.3745	-0.04398	0.0000	0.0000	0.0000	7.74	-0.3745	93.3

RohnEbS	-0.002848	-0.3224	-0.04075	0.0000	0.0000	0.0000	8.003	-0.3224	86.62
RohnFaS	-0.002909	-0.2072	-0.0328	0.0000	0.0000	0.0000	8.659	-0.2072	69.97
RohnGaS	-0.003318	-0.1049	-0.02346	0.0000	0.0000	0.0000	9.445	-0.1049	49.98
RohnHaS	-0.003862	-0.0357	-0.01415	0.0000	0.0000	0.0000	10.23	-0.0357	29.99
RohnIaS	-0.006162	-0.002217	-0.005012	0.0000	0.0000	0.0000	11.02	-0.002217	9.995
SNB-AaS	-0.0002552	-1.299	-0.07921	0.0000	0.0000	0.0000	2.53	-1.299	174.9
SNB-AbS	-0.0004107	-1.235	-0.07682	0.0000	0.0000	0.0000	2.727	-1.235	169.9
SNB-AcS	-0.0004685	-1.169	-0.07441	0.0000	0.0000	0.0000	2.924	-1.169	164.9
SNB-BaS	-0.0006881	-1.041	-0.0696	0.0000	0.0000	0.0000	3.317	-1.041	154.9
SNB-BbS	-0.000886	-0.9786	-0.06721	0.0000	0.0000	0.0000	3.514	-0.9786	149.9
SNB-BcS	-0.0008947	-0.9158	-0.0648	0.0000	0.0000	0.0000	3.71	-0.9158	144.9
SNB-CaS	-0.001144	-0.7752	-0.05922	0.0000	0.0000	0.0000	4.169	-0.7752	133.3
SNB-CbS	-0.001264	-0.6979	-0.05603	0.0000	0.0000	0.0000	4.432	-0.6979	126.6
SNB-DaS	-0.001513	-0.5544	-0.04974	0.0000	0.0000	0.0000	4.955	-0.5544	113.3
SNB-DbS	-0.001636	-0.4886	-0.0466	0.0000	0.0000	0.0000	5.218	-0.4886	106.6
SNB-EaS	-0.001961	-0.3744	-0.04057	0.0000	0.0000	0.0000	5.741	-0.3744	93.3
SNB-EbS	-0.002066	-0.3223	-0.03761	0.0000	0.0000	0.0000	6.004	-0.3223	86.62
SNB-FaS	-0.002127	-0.2067	-0.03025	0.0000	0.0000	0.0000	6.659	-0.2067	69.97
SNB-GaS	-0.002537	-0.1047	-0.02158	0.0000	0.0000	0.0000	7.445	-0.1047	49.98
SNB-HaS	-0.003081	-0.03547	-0.01299	0.0000	0.0000	0.0000	8.231	-0.03547	29.99
SNB-IaS	-0.005381	-0.001726	-0.004684	0.0000	0.0000	0.0000	9.016	-0.001726	9.995
RohnAa1	0.0003398	-1.297	-0.1349	0.0000	0.0000	0.0000	-2.265	-5.22	174.9
RohnAa2	0.003211	-1.3	-0.0346	0.0000	0.0000	0.0000	-2.262	2.623	175
RohnAb1	0.0003518	-1.231	-0.1344	0.0000	0.0000	0.0000	-2.363	-5.325	169.9
RohnAb2	0.002577	-1.236	-0.03021	0.0000	0.0000	0.0000	-2.361	2.858	170
RohnAc1	0.0001435	-1.167	-0.1337	0.0000	0.0000	0.0000	-2.462	-5.431	164.9
RohnAc2	0.003275	-1.171	-0.026	0.0000	0.0000	0.0000	-2.459	3.094	165
RohnBa1	-0.0001632	-1.039	-0.1317	0.0000	0.0000	0.0000	-2.659	-5.644	154.9
RohnBa2	0.003241	-1.043	-0.0181	0.0000	0.0000	0.0000	-2.656	3.563	155
RohnBb1	0.001238	-0.976	-0.1305	0.0000	0.0000	0.0000	-2.756	-5.752	149.9
RohnBb2	0.001923	-0.9805	-0.01439	0.0000	0.0000	0.0000	-2.756	3.796	150
RohnBc1	-0.0001959	-0.9132	-0.1289	0.0000	0.0000	0.0000	-2.856	-5.86	144.9
RohnBc2	0.00327	-0.9176	-0.01092	0.0000	0.0000	0.0000	-2.853	4.029	145
RohnCa1	0.0007926	-0.7736	-0.1242	0.0000	0.0000	0.0000	-3.085	-6.118	133.2
RohnCa2	0.002364	-0.7782	-0.003877	0.0000	0.0000	0.0000	-3.083	4.566	133.3
RohnCb1	0.000177	-0.6963	-0.1209	0.0000	0.0000	0.0000	-3.216	-6.268	126.5
RohnCb2	0.002847	-0.7011	-0.0004785	0.0000	0.0000	0.0000	-3.214	4.87	126.7
RohnDa1	0.0004728	-0.5531	-0.1122	0.0000	0.0000	0.0000	-3.478	-6.578	113.2
RohnDa2	0.002658	-0.5581	0.004302	0.0000	0.0000	0.0000	-3.476	5.467	113.3
RohnDb1	0.0003188	-0.4878	-0.1066	0.0000	0.0000	0.0000	-3.609	-6.74	106.6
RohnDb2	0.002816	-0.4929	0.005579	0.0000	0.0000	0.0000	-3.607	5.759	106.7
RohnEa1	0.0007302	-0.3723	-0.09538	0.0000	0.0000	0.0000	-3.871	-7.078	93.24
RohnEa2	0.002589	-0.3778	0.007494	0.0000	0.0000	0.0000	-3.869	6.328	93.35
RohnEb1	0.0005865	-0.3205	-0.08983	0.0000	0.0000	0.0000	-4.002	-7.254	86.57
RohnEb2	0.00271	-0.3261	0.008389	0.0000	0.0000	0.0000	-4	6.607	86.67
RohnFa1	-0.00112	-0.2084	-0.07504	0.0000	0.0000	0.0000	-4.332	-7.709	69.92
RohnFa2	0.004183	-0.214	0.009465	0.0000	0.0000	0.0000	-4.327	7.287	70.01
RohnGa1	-0.0009111	-0.1057	-0.05576	0.0000	0.0000	0.0000	-4.725	-8.288	49.94
RohnGa2	0.00418	-0.1119	0.008872	0.0000	0.0000	0.0000	-4.72	8.07	50.01
RohnHa1	-0.0007932	-0.03654	-0.03432	0.0000	0.0000	0.0000	-5.119	-8.901	29.97
RohnHa2	0.004497	-0.04349	0.006032	0.0000	0.0000	0.0000	-5.113	8.821	30.01
RohnIa1	0.0009575	-0.0002732	-0.01173	0.0000	0.0000	0.0000	-5.512	-9.548	9.988
RohnIa2	0.005056	-0.01108	0.001713	0.0000	0.0000	0.0000	-5.507	9.537	10
SNB-Aa1	0.001015	-1.298	-0.1075	0.0000	0.0000	0.0000	-1.264	-3.489	174.9
SNB-Aa2	0.001347	-1.3	-0.05084	0.0000	0.0000	0.0000	-1.264	0.8909	174.9
SNB-Ab1	0.001265	-1.233	-0.1072	0.0000	0.0000	0.0000	-1.362	-3.595	169.9
SNB-Ab2	0.00101	-1.236	-0.04635	0.0000	0.0000	0.0000	-1.362	1.126	170
SNB-Ac1	0.0008752	-1.169	-0.1068	0.0000	0.0000	0.0000	-1.461	-3.701	164.9
SNB-Ac2	0.001468	-1.171	-0.04199	0.0000	0.0000	0.0000	-1.461	1.362	165
SNB-Ba1	0.0008166	-1.04	-0.1055	0.0000	0.0000	0.0000	-1.658	-3.914	154.9
SNB-Ba2	0.001479	-1.043	-0.03364	0.0000	0.0000	0.0000	-1.657	1.83	155
SNB-Bb1	0.001227	-0.9771	-0.1047	0.0000	0.0000	0.0000	-1.756	-4.021	149.9
SNB-Bb2	0.001139	-0.98	-0.02963	0.0000	0.0000	0.0000	-1.756	2.064	150
SNB-Bc1	0.0008475	-0.9149	-0.1037	0.0000	0.0000	0.0000	-1.855	-4.129	144.9
SNB-Bc2	0.001424	-0.9177	-0.02581	0.0000	0.0000	0.0000	-1.854	2.296	145
SNB-Ca1	0.0006003	-0.7745	-0.1007	0.0000	0.0000	0.0000	-2.084	-4.386	133.2
SNB-Ca2	0.001687	-0.7776	-0.01768	0.0000	0.0000	0.0000	-2.083	2.834	133.3
SNB-Cb1	0.0004171	-0.6975	-0.09834	0.0000	0.0000	0.0000	-2.216	-4.536	126.6
SNB-Cb2	0.001854	-0.7007	-0.01368	0.0000	0.0000	0.0000	-2.215	3.138	126.6
SNB-Da1	0.0003224	-0.5541	-0.09191	0.0000	0.0000	0.0000	-2.478	-4.847	113.2
SNB-Da2	0.001998	-0.5576	-0.007532	0.0000	0.0000	0.0000	-2.476	3.735	113.3
SNB-Db1	7.515e-005	-0.4886	-0.08759	0.0000	0.0000	0.0000	-2.61	-5.009	106.6
SNB-Db2	0.002265	-0.4923	-0.005576	0.0000	0.0000	0.0000	-2.607	4.028	106.7
SNB-Ea1	0.0007408	-0.3733	-0.07929	0.0000	0.0000	0.0000	-2.871	-5.347	93.26
SNB-Ea2	0.001795	-0.3773	-0.0018	0.0000	0.0000	0.0000	-2.87	4.596	93.34
SNB-Eb1	0.0005472	-0.3215	-0.07538	0.0000	0.0000	0.0000	-3.002	-5.523	86.58
SNB-Eb2	0.001991	-0.3256	0.000217	0.0000	0.0000	0.0000	-3.001	4.876	86.66
SNB-Fa1	-0.001413	-0.2091	-0.06396	0.0000	0.0000	0.0000	-3.332	-5.978	69.94
SNB-Fa2	0.003787	-0.2133	0.003469	0.0000	0.0000	0.0000	-3.327	5.556	70
SNB-Ga1	-0.001112	-0.1065	-0.04818	0.0000	0.0000	0.0000	-3.725	-6.557	49.95
SNB-Ga2	0.003735	-0.1112	0.005042	0.0000	0.0000	0.0000	-3.72	6.339	50.01

SNB-Ha1	-0.001104	-0.03726	-0.03018	0.0000	0.0000	0.0000	-4.118	-7.169	29.97
SNB-Ha2	0.004156	-0.04278	0.004205	0.0000	0.0000	0.0000	-4.113	7.089	30
SNB-Ia1	0.0004406	-0.0008771	-0.01066	0.0000	0.0000	0.0000	-4.51	-7.814	9.989
SNB-Ia2	0.004889	-0.01027	0.001289	0.0000	0.0000	0.0000	-4.506	7.803	10

Joint Support Reactions for Load Case "W+I -90 deg":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
RohnJP	5.18	0.0	2.61	0.0	21.90	0.0	0.0	22.65	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	11.55	0.0	6.26	0.0	18.23	0.0	0.0	22.47	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	3.44	0.0	8.55	0.0	223.95	0.0	0.0	224.14	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	-8.57	0.0	17.27	0.0	-180.19	0.0	0.0	181.22	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	5.02	0.0	15.13	0.0	318.54	0.0	0.0	318.94	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	-16.62	0.0	34.87	0.0	-281.90	0.0	0.0	284.54	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "W+I -90 deg":

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	0.0000	-1.8634	-0.7199	0.0000	1.8634	0.7199	-0.0010	-1.3661	-0.0872
RohnBP	0.0000	-0.9631	-0.7659	0.0000	0.9631	0.7659	-0.0014	-1.1071	-0.0775
RohnCP	0.0000	-0.8546	-0.8907	-0.0000	0.8546	0.8907	-0.0019	-0.8568	-0.0675
RohnDP	0.0000	-1.4280	-1.6173	-0.0000	1.4280	1.6173	-0.0023	-0.6257	-0.0574
RohnEP	0.0000	-0.6452	-0.9422	-0.0000	0.6452	0.9422	-0.0027	-0.4303	-0.0472
RohnFP	0.0000	-0.8193	-1.3026	-0.0000	0.8193	1.3026	-0.0031	-0.2755	-0.0376
RohnGP	0.0000	-0.8294	-1.6057	-0.0000	0.8294	1.6057	-0.0035	-0.1564	-0.0281
RohnHP	0.0000	-0.7570	-1.7244	0.0000	0.7570	1.7244	-0.0038	-0.0706	-0.0188
RohnIP	0.0000	-0.7442	-1.8423	0.0000	0.7442	1.8423	-0.0037	-0.0193	-0.0094
RohnJP	0.0000	-0.3798	-0.9588	-5.1785	-2.2265	-20.9371	0.0000	0.0000	0.0000
SNB-AP	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	-0.0002	-1.3641	-0.0816
SNB-BP	0.0000	-0.3949	-0.5363	-0.0000	0.3949	0.5363	-0.0006	-1.1054	-0.0720
SNB-CP	0.0000	-0.5327	-0.6503	-0.0000	0.5327	0.6503	-0.0011	-0.8553	-0.0624
SNB-DP	0.0000	-0.6322	-0.7774	-0.0000	0.6322	0.7774	-0.0015	-0.6255	-0.0529
SNB-EP	0.0000	-0.6452	-0.9422	-0.0000	0.6452	0.9422	-0.0019	-0.4303	-0.0435
SNB-FP	0.0000	-0.7356	-1.2811	-0.0000	0.7356	1.2811	-0.0023	-0.2756	-0.0347
SNB-GP	0.0000	-0.8018	-1.5857	-0.0000	0.8018	1.5857	-0.0027	-0.1557	-0.0259
SNB-HP	0.0000	-0.7570	-1.7244	-0.0000	0.7570	1.7244	-0.0030	-0.0702	-0.0173
SNB-IP	0.0000	-0.7442	-1.8423	-0.0000	0.7442	1.8423	-0.0029	-0.0186	-0.0086
SNB-JP	0.0000	-0.3798	-0.9588	-11.5525	-5.8790	-17.2737	0.0000	0.0000	0.0000
RohnA1	0.0000	-1.5465	-0.7245	0.0000	1.5465	0.7245	0.0004	-1.3616	-0.1352
RohnA2	0.0000	-1.6291	-0.6973	0.0000	1.6291	0.6973	0.0026	-1.3652	-0.0392
RohnB1	0.0000	-0.7063	-0.7011	0.0000	0.7063	0.7011	0.0004	-1.1026	-0.1328
RohnB2	0.0000	-0.4678	-0.6313	0.0000	0.4678	0.6313	0.0027	-1.1067	-0.0220
RohnC1	0.0000	-0.7704	-0.7207	0.0000	0.7704	0.7207	0.0009	-0.8526	-0.1269
RohnC2	0.0000	-0.8265	-0.8807	0.0000	0.8265	0.8807	0.0022	-0.8573	-0.0078
RohnD1	0.0000	-1.4280	-1.6173	0.0000	1.4280	1.6173	0.0009	-0.6226	-0.1169
RohnD2	0.0000	-1.4280	-1.6173	0.0000	1.4280	1.6173	0.0023	-0.6277	0.0023
RohnE1	0.0000	-0.6452	-0.9422	0.0000	0.6452	0.9422	0.0011	-0.4274	-0.1005
RohnE2	0.0000	-0.6452	-0.9422	0.0000	0.6452	0.9422	0.0022	-0.4328	0.0062
RohnF1	0.0000	-0.9151	-1.3521	0.0000	0.9151	1.3521	0.0014	-0.2725	-0.0839
RohnF2	0.0000	-0.8193	-1.3026	0.0000	0.8193	1.3026	0.0021	-0.2783	0.0088
RohnG1	0.0000	-0.8018	-1.5857	0.0000	0.8018	1.5857	0.0020	-0.1526	-0.0653
RohnG2	0.0000	-0.8018	-1.5857	0.0000	0.8018	1.5857	0.0019	-0.1588	0.0092
RohnH1	0.0000	-0.7570	-1.7244	0.0000	0.7570	1.7244	0.0020	-0.0669	-0.0455
RohnH2	0.0000	-0.7570	-1.7244	0.0000	0.7570	1.7244	0.0020	-0.0734	0.0079
RohnI1	0.0000	-0.7442	-1.8423	0.0000	0.7442	1.8423	0.0021	-0.0156	-0.0224
RohnI2	0.0000	-0.7674	-1.8623	0.0000	0.7674	1.8623	0.0017	-0.0219	0.0036
RohnJ1	0.0000	-0.3798	-0.9588	-3.4368	-8.1748	-222.9880	0.0000	0.0000	0.0000
RohnJ2	0.0000	-0.3798	-0.9588	8.5669	-16.8940	181.1512	0.0000	0.0000	0.0000
SNB-A1	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	0.0012	-1.3632	-0.1077
SNB-A2	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	0.0012	-1.3651	-0.0554
SNB-B1	0.0000	-0.3949	-0.5363	-0.0000	0.3949	0.5363	0.0012	-1.1041	-0.1061
SNB-B2	0.0000	-0.3949	-0.5363	-0.0000	0.3949	0.5363	0.0012	-1.1067	-0.0378
SNB-C1	0.0000	-0.5327	-0.6503	-0.0000	0.5327	0.6503	0.0012	-0.8537	-0.1026
SNB-C2	0.0000	-0.5327	-0.6503	-0.0000	0.5327	0.6503	0.0012	-0.8569	-0.0222
SNB-D1	0.0000	-0.6322	-0.7774	-0.0000	0.6322	0.7774	0.0012	-0.6238	-0.0955
SNB-D2	0.0000	-0.6322	-0.7774	-0.0000	0.6322	0.7774	0.0013	-0.6274	-0.0102
SNB-E1	0.0000	-0.6452	-0.9422	-0.0000	0.6452	0.9422	0.0012	-0.4284	-0.0827
SNB-E2	0.0000	-0.6452	-0.9422	-0.0000	0.6452	0.9422	0.0014	-0.4324	-0.0043
SNB-F1	0.0000	-0.7356	-1.2811	-0.0000	0.7356	1.2811	0.0013	-0.2734	-0.0712
SNB-F2	0.0000	-0.7356	-1.2811	-0.0000	0.7356	1.2811	0.0014	-0.2778	0.0018
SNB-G1	0.0000	-0.8018	-1.5857	-0.0000	0.8018	1.5857	0.0015	-0.1533	-0.0561
SNB-G2	0.0000	-0.8018	-1.5857	-0.0000	0.8018	1.5857	0.0015	-0.1581	0.0043
SNB-H1	0.0000	-0.7570	-1.7244	-0.0000	0.7570	1.7244	0.0016	-0.0675	-0.0396

SNB-H2	0.0000	-0.7570	-1.7244	-0.0000	0.7570	1.7244	0.0015	-0.0728	0.0051
SNB-I1	0.0000	-0.7442	-1.8423	-0.0000	0.7442	1.8423	0.0015	-0.0161	-0.0199
SNB-I2	0.0000	-0.7442	-1.8423	-0.0000	0.7442	1.8423	0.0015	-0.0211	0.0027
SNB-J1	0.0000	-0.3798	-0.9588	-5.0224	-14.7474	-317.5837	0.0000	0.0000	0.0000
SNB-J2	0.0000	-0.3798	-0.9588	16.6233	-34.4905	282.8605	0.0000	0.0000	0.0000
RohnAaS	0.0000	-0.2496	-0.2802	0.0000	0.2496	0.2802	-0.0010	-1.3003	-0.0848
RohnAbS	0.0000	-0.9176	-0.4575	0.0000	0.9176	0.4575	-0.0012	-1.2365	-0.0824
RohnAcS	0.0000	-0.1755	-0.2575	0.0000	0.1755	0.2575	-0.0013	-1.1705	-0.0799
RohnBaS	0.0000	-0.2194	-0.2788	0.0000	0.2194	0.2788	-0.0015	-1.0420	-0.0750
RohnBbS	0.0000	-1.8781	-1.2538	0.0000	1.8781	1.2538	-0.0017	-0.9813	-0.0726
RohnBcS	0.0000	-0.2194	-0.2788	-0.0000	0.2194	0.2788	-0.0017	-0.9155	-0.0700
RohnCaS	0.0000	-1.8934	-1.0682	-0.0000	1.8933	1.0682	-0.0019	-0.7770	-0.0641
RohnCbS	0.0000	-0.3134	-0.3714	-0.0000	0.3134	0.3714	-0.0020	-0.6985	-0.0607
RohnDaS	0.0000	-0.3188	-0.4060	-0.0000	0.3188	0.4060	-0.0023	-0.5552	-0.0540
RohnDbS	0.0000	-0.3188	-0.4060	-0.0000	0.3188	0.4060	-0.0024	-0.4895	-0.0506
RohnEaS	0.0000	-0.3264	-0.5363	-0.0000	0.3264	0.5363	-0.0027	-0.3745	-0.0440
RohnEbS	0.0000	-0.3264	-0.5363	0.0000	0.3264	0.5363	-0.0028	-0.3224	-0.0408
RohnFaS	0.0000	-0.4092	-0.7448	0.0000	0.4092	0.7448	-0.0029	-0.2072	-0.0328
RohnGaS	0.0000	-0.3926	-0.8409	0.0000	0.3926	0.8409	-0.0033	-0.1049	-0.0235
RohnHaS	0.0000	-0.3643	-0.8835	-0.0000	0.3643	0.8835	-0.0039	-0.0357	-0.0141
RohnIaS	0.0000	-0.3798	-0.9588	-0.0000	0.3798	0.9588	-0.0062	-0.0022	-0.0050
SNB-AaS	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	-0.0003	-1.2990	-0.0792
SNB-AbS	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	-0.0004	-1.2345	-0.0768
SNB-AcS	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	-0.0005	-1.1691	-0.0744
SNB-BaS	0.0000	-0.2194	-0.2788	-0.0000	0.2194	0.2788	-0.0007	-1.0412	-0.0696
SNB-BbS	0.0000	-0.2194	-0.2788	0.0000	0.2194	0.2788	-0.0009	-0.9786	-0.0672
SNB-BcS	0.0000	-0.2194	-0.2788	0.0000	0.2194	0.2788	-0.0009	-0.9158	-0.0648
SNB-CaS	0.0000	-0.3134	-0.3714	0.0000	0.3134	0.3714	-0.0011	-0.7752	-0.0592
SNB-CbS	0.0000	-0.3134	-0.3714	0.0000	0.3134	0.3714	-0.0013	-0.6979	-0.0560
SNB-DaS	0.0000	-0.3188	-0.4060	0.0000	0.3188	0.4060	-0.0015	-0.5544	-0.0497
SNB-DbS	0.0000	-0.3188	-0.4060	-0.0000	0.3188	0.4060	-0.0016	-0.4886	-0.0466
SNB-EaS	0.0000	-0.3264	-0.5363	-0.0000	0.3264	0.5363	-0.0020	-0.3744	-0.0406
SNB-EbS	0.0000	-0.3264	-0.5363	-0.0000	0.3264	0.5363	-0.0021	-0.3223	-0.0376
SNB-FaS	0.0000	-0.4092	-0.7448	-0.0000	0.4092	0.7448	-0.0021	-0.2067	-0.0303
SNB-GaS	0.0000	-0.3926	-0.8409	-0.0000	0.3926	0.8409	-0.0025	-0.1047	-0.0216
SNB-HaS	0.0000	-0.3643	-0.8835	-0.0000	0.3643	0.8835	-0.0031	-0.0355	-0.0130
SNB-IaS	0.0000	-0.3798	-0.9588	0.0000	0.3798	0.9588	-0.0054	-0.0017	-0.0047
RohnAa1	0.0000	-1.2605	-0.4775	0.0000	1.2606	0.4775	0.0003	-1.2968	-0.1349
RohnAa2	0.0000	-0.2496	-0.2802	0.0000	0.2496	0.2802	0.0032	-1.3001	-0.0346
RohnAb1	0.0000	-0.2497	-0.2975	0.0000	0.2497	0.2975	0.0004	-1.2314	-0.1344
RohnAb2	0.0000	-0.1755	-0.2575	0.0000	0.1755	0.2575	0.0026	-1.2356	-0.0302
RohnAc1	0.0000	-0.9261	-0.3875	0.0000	0.9261	0.3875	0.0001	-1.1670	-0.1337
RohnAc2	0.0000	-0.1755	-0.2575	0.0000	0.1755	0.2575	0.0033	-1.1706	-0.0260
RohnBa1	0.0000	-0.2194	-0.2788	0.0000	0.2194	0.2788	-0.0002	-1.0388	-0.1317
RohnBa2	0.0000	-0.2194	-0.2788	0.0000	0.2194	0.2788	0.0032	-1.0430	-0.0181
RohnBb1	0.0000	-1.8326	-1.2338	0.0000	1.8326	1.2338	0.0012	-0.9760	-0.1305
RohnBb2	0.0000	-1.8326	-1.2338	0.0000	1.8326	1.2338	0.0019	-0.9805	-0.0144
RohnBc1	0.0000	-0.2725	-0.3538	0.0000	0.2725	0.3538	-0.0002	-0.9132	-0.1289
RohnBc2	0.0000	-0.2194	-0.2788	0.0000	0.2194	0.2788	0.0033	-0.9176	-0.0109
RohnCa1	0.0000	-2.0990	-1.1156	0.0000	2.0990	1.1156	0.0008	-0.7736	-0.1242
RohnCa2	0.0000	-1.8934	-1.0682	0.0000	1.8933	1.0682	0.0024	-0.7782	-0.0039
RohnCb1	0.0000	-0.3134	-0.3714	0.0000	0.3134	0.3714	0.0002	-0.6963	-0.1209
RohnCb2	0.0000	-0.3134	-0.3714	0.0000	0.3134	0.3714	0.0028	-0.7011	-0.0005
RohnDa1	0.0000	-0.4477	-0.6510	0.0000	0.4477	0.6510	0.0005	-0.5531	-0.1122
RohnDa2	0.0000	-0.3188	-0.4060	0.0000	0.3188	0.4060	0.0027	-0.5581	0.0043
RohnDb1	0.0000	-0.3675	-0.4810	0.0000	0.3675	0.4810	0.0003	-0.4878	-0.1066
RohnDb2	0.0000	-0.3188	-0.4060	0.0000	0.3188	0.4060	0.0028	-0.4929	0.0056
RohnEa1	0.0000	-0.3264	-0.5363	0.0000	0.3264	0.5363	0.0007	-0.3723	-0.0954
RohnEa2	0.0000	-0.3264	-0.5363	0.0000	0.3264	0.5363	0.0026	-0.3778	0.0075
RohnEb1	0.0000	-0.3723	-0.6113	0.0000	0.3723	0.6113	0.0006	-0.3205	-0.0898
RohnEb2	0.0000	-0.3264	-0.5363	0.0000	0.3264	0.5363	0.0027	-0.3261	0.0084
RohnFa1	0.0000	-0.4092	-0.7448	0.0000	0.4092	0.7448	-0.0011	-0.2084	-0.0750
RohnFa2	0.0000	-0.4092	-0.7448	0.0000	0.4092	0.7448	0.0042	-0.2140	0.0095
RohnGa1	0.0000	-0.3926	-0.8409	0.0000	0.3926	0.8409	-0.0009	-0.1057	-0.0558
RohnGa2	0.0000	-0.3926	-0.8409	0.0000	0.3926	0.8409	0.0042	-0.1119	0.0089
RohnHa1	0.0000	-0.3643	-0.8835	0.0000	0.3643	0.8835	-0.0008	-0.0365	-0.0343
RohnHa2	0.0000	-0.3643	-0.8835	0.0000	0.3643	0.8835	0.0045	-0.0435	0.0060
RohnIa1	0.0000	-0.3798	-0.9588	-0.0000	0.3798	0.9588	0.0010	-0.0003	-0.0117
RohnIa2	0.0000	-0.3798	-0.9588	0.0000	0.3798	0.9588	0.0051	-0.0111	0.0017
SNB-Aa1	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	0.0010	-1.2984	-0.1075
SNB-Aa2	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	0.0013	-1.3002	-0.0508
SNB-Ab1	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	0.0013	-1.2330	-0.1072
SNB-Ab2	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	0.0010	-1.2355	-0.0463
SNB-Ac1	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	0.0009	-1.1686	-0.1068
SNB-Ac2	0.0000	-0.1755	-0.2575	-0.0000	0.1755	0.2575	0.0015	-1.1707	-0.0420
SNB-Ba1	0.0000	-0.2194	-0.2788	-0.0000	0.2194	0.2788	0.0008	-1.0405	-0.1055
SNB-Ba2	0.0000	-0.2194	-0.2788	-0.0000	0.2194	0.2788	0.0015	-1.0430	-0.0336
SNB-Bb1	0.0000	-0.2194	-0.2788	-0.0000	0.2194	0.2788	0.0012	-0.9771	-0.1047
SNB-Bb2	0.0000	-0.2194	-0.2788	-0.0000	0.2194	0.2788	0.0011	-0.9800	-0.0296
SNB-Bc1	0.0000	-0.2194	-0.2788	-0.0000	0.2194	0.2788	0.0008	-0.9149	-0.1037
SNB-Bc2	0.0000	-0.2194	-0.2788	-0.0000	0.2194	0.2788	0.0014	-0.9177	-0.0258

SNB-Ca1	0.0000	-0.3134	-0.3714	-0.0000	0.3134	0.3714	0.0006	-0.7745	-0.1007
SNB-Ca2	0.0000	-0.3134	-0.3714	-0.0000	0.3134	0.3714	0.0017	-0.7776	-0.0177
SNB-Cb1	0.0000	-0.3134	-0.3714	-0.0000	0.3134	0.3714	0.0004	-0.6975	-0.0983
SNB-Cb2	0.0000	-0.3134	-0.3714	-0.0000	0.3134	0.3714	0.0019	-0.7007	-0.0137
SNB-Da1	0.0000	-0.3188	-0.4060	-0.0000	0.3188	0.4060	0.0003	-0.5541	-0.0919
SNB-Da2	0.0000	-0.3188	-0.4060	-0.0000	0.3188	0.4060	0.0020	-0.5576	-0.0075
SNB-Db1	0.0000	-0.3188	-0.4060	-0.0000	0.3188	0.4060	0.0001	-0.4886	-0.0876
SNB-Db2	0.0000	-0.3188	-0.4060	-0.0000	0.3188	0.4060	0.0023	-0.4923	-0.0056
SNB-Ea1	0.0000	-0.3264	-0.5363	-0.0000	0.3264	0.5363	0.0007	-0.3733	-0.0793
SNB-Ea2	0.0000	-0.3264	-0.5363	-0.0000	0.3264	0.5363	0.0018	-0.3773	-0.0018
SNB-Eb1	0.0000	-0.3264	-0.5363	-0.0000	0.3264	0.5363	0.0005	-0.3215	-0.0754
SNB-Eb2	0.0000	-0.3264	-0.5363	-0.0000	0.3264	0.5363	0.0020	-0.3256	0.0002
SNB-Fa1	0.0000	-0.4092	-0.7448	-0.0000	0.4092	0.7448	-0.0014	-0.2091	-0.0640
SNB-Fa2	0.0000	-0.4092	-0.7448	-0.0000	0.4092	0.7448	0.0038	-0.2133	0.0035
SNB-Ga1	0.0000	-0.3926	-0.8409	-0.0000	0.3926	0.8409	-0.0011	-0.1065	-0.0482
SNB-Ga2	0.0000	-0.3926	-0.8409	-0.0000	0.3926	0.8409	0.0037	-0.1112	0.0050
SNB-Ha1	0.0000	-0.3643	-0.8835	-0.0000	0.3643	0.8835	-0.0011	-0.0373	-0.0302
SNB-Ha2	0.0000	-0.3643	-0.8835	-0.0000	0.3643	0.8835	0.0042	-0.0428	0.0042
SNB-Ia1	0.0000	-0.3798	-0.9588	-0.0000	0.3798	0.9588	0.0004	-0.0009	-0.0107
SNB-Ia2	0.0000	-0.3798	-0.9588	0.0000	0.3798	0.9588	0.0049	-0.0103	0.0013

*** Analysis Results for Load Case No. 2 "W+I -60 deg" - Number of iterations in SAPS 12

Equilibrium Joint Positions and Rotations for Load Case "W+I -60 deg":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	0.6659	-1.156	-0.114	0.0000	0.0000	0.0000	4.999	-1.156	179.9
RohnBP	0.5388	-0.9358	-0.1085	0.0000	0.0000	0.0000	5.66	-0.9358	159.9
RohnCP	0.416	-0.7237	-0.1009	0.0000	0.0000	0.0000	6.325	-0.7237	139.9
RohnDP	0.3032	-0.5281	-0.09093	0.0000	0.0000	0.0000	6.998	-0.5281	119.9
RohnEP	0.2074	-0.3627	-0.07722	0.0000	0.0000	0.0000	7.688	-0.3627	99.92
RohnFP	0.1314	-0.232	-0.06368	0.0000	0.0000	0.0000	8.399	-0.232	79.94
RohnGP	0.07246	-0.1314	-0.04911	0.0000	0.0000	0.0000	9.127	-0.1314	59.95
RohnHP	0.03042	-0.05913	-0.03387	0.0000	0.0000	0.0000	9.871	-0.05913	39.97
RohnIP	0.005408	-0.01609	-0.01674	0.0000	0.0000	0.0000	10.64	-0.01609	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.6668	-1.158	-0.09612	0.0000	0.0000	0.0000	3	-1.158	179.9
SNB-BP	0.5397	-0.938	-0.09112	0.0000	0.0000	0.0000	3.661	-0.938	159.9
SNB-CP	0.4168	-0.7254	-0.08499	0.0000	0.0000	0.0000	4.325	-0.7254	139.9
SNB-DP	0.304	-0.5302	-0.07692	0.0000	0.0000	0.0000	4.999	-0.5302	119.9
SNB-EP	0.2082	-0.3645	-0.06562	0.0000	0.0000	0.0000	5.689	-0.3645	99.93
SNB-FP	0.1322	-0.2333	-0.05525	0.0000	0.0000	0.0000	6.4	-0.2333	79.94
SNB-GP	0.07325	-0.1317	-0.04291	0.0000	0.0000	0.0000	7.128	-0.1317	59.96
SNB-HP	0.03121	-0.05937	-0.02989	0.0000	0.0000	0.0000	7.872	-0.05937	39.97
SNB-IP	0.006189	-0.01574	-0.015	0.0000	0.0000	0.0000	8.634	-0.01574	19.98
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.6708	-1.158	-0.1142	0.0000	0.0000	0.0000	-1.496	-4.91	179.9
RohnA2	0.6665	-1.161	-0.03254	0.0000	0.0000	0.0000	-1.5	2.591	180
RohnB1	0.544	-0.9373	-0.1087	0.0000	0.0000	0.0000	-2.017	-5.372	159.9
RohnB2	0.54	-0.9413	-0.01447	0.0000	0.0000	0.0000	-2.021	3.494	160
RohnC1	0.4215	-0.7245	-0.1011	0.0000	0.0000	0.0000	-2.533	-5.842	139.9
RohnC2	0.4179	-0.7289	0.0001549	0.0000	0.0000	0.0000	-2.537	4.388	140
RohnD1	0.3083	-0.5287	-0.09105	0.0000	0.0000	0.0000	-3.039	-6.327	119.9
RohnD2	0.3058	-0.5338	0.01019	0.0000	0.0000	0.0000	-3.042	5.264	120
RohnE1	0.2126	-0.3626	-0.07731	0.0000	0.0000	0.0000	-3.528	-6.841	99.92
RohnE2	0.2107	-0.3682	0.01317	0.0000	0.0000	0.0000	-3.53	6.111	100
RohnF1	0.137	-0.231	-0.06375	0.0000	0.0000	0.0000	-3.997	-7.391	79.94
RohnF2	0.1354	-0.2369	0.01489	0.0000	0.0000	0.0000	-3.999	6.923	80.01
RohnG1	0.07889	-0.1293	-0.04916	0.0000	0.0000	0.0000	-4.449	-7.971	59.95
RohnG2	0.07712	-0.1353	0.01399	0.0000	0.0000	0.0000	-4.45	7.707	60.01
RohnH1	0.03687	-0.05645	-0.0339	0.0000	0.0000	0.0000	-4.884	-8.579	39.97
RohnH2	0.0357	-0.06291	0.01132	0.0000	0.0000	0.0000	-4.885	8.46	40.01
RohnI1	0.01168	-0.013	-0.01675	0.0000	0.0000	0.0000	-5.303	-9.219	19.98
RohnI2	0.01068	-0.01903	0.005262	0.0000	0.0000	0.0000	-5.304	9.187	20.01
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	0.6682	-1.157	-0.09616	0.0000	0.0000	0.0000	-0.4983	-3.178	179.9
SNB-A2	0.6683	-1.159	-0.05167	0.0000	0.0000	0.0000	-0.4982	0.8614	179.9
SNB-B1	0.5415	-0.9369	-0.09116	0.0000	0.0000	0.0000	-1.019	-3.64	159.9
SNB-B2	0.5416	-0.9393	-0.03307	0.0000	0.0000	0.0000	-1.019	1.764	160
SNB-C1	0.4191	-0.7241	-0.08504	0.0000	0.0000	0.0000	-1.535	-4.109	139.9
SNB-C2	0.4193	-0.7271	-0.01673	0.0000	0.0000	0.0000	-1.535	2.657	140
SNB-D1	0.3066	-0.5287	-0.07697	0.0000	0.0000	0.0000	-2.041	-4.595	119.9
SNB-D2	0.3069	-0.5322	-0.0045	0.0000	0.0000	0.0000	-2.041	3.534	120
SNB-E1	0.2113	-0.3627	-0.06567	0.0000	0.0000	0.0000	-2.529	-5.109	99.93
SNB-E2	0.2115	-0.3667	0.0008935	0.0000	0.0000	0.0000	-2.529	4.38	100
SNB-F1	0.1358	-0.2312	-0.05529	0.0000	0.0000	0.0000	-2.998	-5.659	79.94
SNB-F2	0.1359	-0.2356	0.006613	0.0000	0.0000	0.0000	-2.998	5.193	80.01
SNB-G1	0.0774	-0.1294	-0.04293	0.0000	0.0000	0.0000	-3.45	-6.239	59.96
SNB-G2	0.07743	-0.1342	0.008176	0.0000	0.0000	0.0000	-3.45	5.976	60.01
SNB-H1	0.03579	-0.05674	-0.0299	0.0000	0.0000	0.0000	-3.885	-6.847	39.97
SNB-H2	0.03575	-0.06198	0.007957	0.0000	0.0000	0.0000	-3.885	6.729	40.01
SNB-I1	0.01053	-0.01323	-0.01501	0.0000	0.0000	0.0000	-4.303	-7.485	19.98
SNB-I2	0.01052	-0.01823	0.004136	0.0000	0.0000	0.0000	-4.303	7.454	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	0.634	-1.1	-0.1129	0.0000	0.0000	0.0000	5.164	-1.1	174.9
RohnAbS	0.6022	-1.045	-0.1116	0.0000	0.0000	0.0000	5.329	-1.045	169.9
RohnAcS	0.5704	-0.9896	-0.1101	0.0000	0.0000	0.0000	5.494	-0.9896	164.9
RohnBaS	0.5077	-0.8806	-0.1069	0.0000	0.0000	0.0000	5.826	-0.8806	154.9
RohnBbS	0.4765	-0.8293	-0.1051	0.0000	0.0000	0.0000	5.991	-0.8293	149.9
RohnBcS	0.446	-0.7736	-0.1031	0.0000	0.0000	0.0000	6.158	-0.7736	144.9
RohnCaS	0.3773	-0.6562	-0.09798	0.0000	0.0000	0.0000	6.548	-0.6562	133.2
RohnCbS	0.3396	-0.5896	-0.0946	0.0000	0.0000	0.0000	6.773	-0.5896	126.6
RohnDaS	0.2693	-0.4684	-0.08675	0.0000	0.0000	0.0000	7.226	-0.4684	113.3
RohnDbS	0.2373	-0.4127	-0.08214	0.0000	0.0000	0.0000	7.457	-0.4127	106.6
RohnEaS	0.1806	-0.3155	-0.07295	0.0000	0.0000	0.0000	7.924	-0.3155	93.27

RohnEbS	0.1552	-0.2714	-0.06842	0.0000	0.0000	0.0000	8.161	-0.2714	86.59
RohnFaS	0.1008	-0.1741	-0.05661	0.0000	0.0000	0.0000	8.762	-0.1741	69.94
RohnGaS	0.05043	-0.08776	-0.04167	0.0000	0.0000	0.0000	9.498	-0.08776	49.96
RohnHaS	0.01637	-0.02956	-0.02552	0.0000	0.0000	0.0000	10.25	-0.02956	29.97
RohnIaS	-0.002828	-0.001608	-0.008799	0.0000	0.0000	0.0000	11.02	-0.001608	9.991
SNB-AaS	0.6349	-1.103	-0.09498	0.0000	0.0000	0.0000	3.165	-1.103	174.9
SNB-AbS	0.6031	-1.048	-0.09379	0.0000	0.0000	0.0000	3.33	-1.048	169.9
SNB-AcS	0.5713	-0.9922	-0.09249	0.0000	0.0000	0.0000	3.495	-0.9922	164.9
SNB-BaS	0.5085	-0.8834	-0.08972	0.0000	0.0000	0.0000	3.826	-0.8834	154.9
SNB-BbS	0.4773	-0.8302	-0.08825	0.0000	0.0000	0.0000	3.992	-0.8302	149.9
SNB-BcS	0.4469	-0.7768	-0.08666	0.0000	0.0000	0.0000	4.158	-0.7768	144.9
SNB-CaS	0.3781	-0.6573	-0.08256	0.0000	0.0000	0.0000	4.548	-0.6573	133.3
SNB-CbS	0.3404	-0.5916	-0.07984	0.0000	0.0000	0.0000	4.773	-0.5916	126.6
SNB-DaS	0.2701	-0.4698	-0.0735	0.0000	0.0000	0.0000	5.227	-0.4698	113.3
SNB-DbS	0.2381	-0.4139	-0.06969	0.0000	0.0000	0.0000	5.457	-0.4139	106.6
SNB-EaS	0.1814	-0.3171	-0.06239	0.0000	0.0000	0.0000	5.924	-0.3171	93.28
SNB-EbS	0.156	-0.2729	-0.0589	0.0000	0.0000	0.0000	6.162	-0.2729	86.6
SNB-FaS	0.1016	-0.1749	-0.04925	0.0000	0.0000	0.0000	6.763	-0.1749	69.95
SNB-GaS	0.05122	-0.08848	-0.03657	0.0000	0.0000	0.0000	7.499	-0.08848	49.96
SNB-HaS	0.01715	-0.02991	-0.02268	0.0000	0.0000	0.0000	8.252	-0.02991	29.98
SNB-IaS	-0.002047	-0.001406	-0.008048	0.0000	0.0000	0.0000	9.019	-0.001406	9.992
RohnAa1	0.6392	-1.103	-0.113	0.0000	0.0000	0.0000	-1.626	-5.026	174.9
RohnAa2	0.6351	-1.106	-0.02772	0.0000	0.0000	0.0000	-1.63	2.817	175
RohnAb1	0.607	-1.047	-0.1117	0.0000	0.0000	0.0000	-1.756	-5.141	169.9
RohnAb2	0.6026	-1.051	-0.02308	0.0000	0.0000	0.0000	-1.761	3.043	170
RohnAc1	0.5754	-0.9923	-0.1102	0.0000	0.0000	0.0000	-1.887	-5.257	164.9
RohnAc2	0.5717	-0.9957	-0.01866	0.0000	0.0000	0.0000	-1.89	3.269	165
RohnBa1	0.5118	-0.8828	-0.107	0.0000	0.0000	0.0000	-2.147	-5.488	154.9
RohnBa2	0.5091	-0.8872	-0.0104	0.0000	0.0000	0.0000	-2.15	3.718	155
RohnBb1	0.4827	-0.8299	-0.1053	0.0000	0.0000	0.0000	-2.275	-5.606	149.9
RohnBb2	0.4781	-0.8335	-0.006544	0.0000	0.0000	0.0000	-2.279	3.943	150
RohnBc1	0.4497	-0.7757	-0.1032	0.0000	0.0000	0.0000	-2.406	-5.722	144.9
RohnBc2	0.4478	-0.7806	-0.002974	0.0000	0.0000	0.0000	-2.408	4.166	145
RohnCa1	0.3825	-0.6573	-0.09809	0.0000	0.0000	0.0000	-2.703	-6.001	133.2
RohnCa2	0.3794	-0.6617	0.004182	0.0000	0.0000	0.0000	-2.706	4.682	133.3
RohnCb1	0.3435	-0.5911	-0.09471	0.0000	0.0000	0.0000	-2.873	-6.162	126.6
RohnCb2	0.3418	-0.5965	0.007552	0.0000	0.0000	0.0000	-2.875	4.975	126.7
RohnDa1	0.2735	-0.4694	-0.08686	0.0000	0.0000	0.0000	-3.205	-6.494	113.3
RohnDa2	0.2719	-0.4749	0.01202	0.0000	0.0000	0.0000	-3.206	5.55	113.4
RohnDb1	0.2412	-0.4137	-0.08224	0.0000	0.0000	0.0000	-3.368	-6.666	106.6
RohnDb2	0.2401	-0.4195	0.01299	0.0000	0.0000	0.0000	-3.369	5.833	106.7
RohnEa1	0.185	-0.3156	-0.07303	0.0000	0.0000	0.0000	-3.687	-7.021	93.27
RohnEa2	0.184	-0.3216	0.01424	0.0000	0.0000	0.0000	-3.688	6.384	93.35
RohnEb1	0.1594	-0.2715	-0.06849	0.0000	0.0000	0.0000	-3.844	-7.205	86.59
RohnEb2	0.1588	-0.2778	0.01482	0.0000	0.0000	0.0000	-3.844	6.656	86.67
RohnFa1	0.1019	-0.1754	-0.05667	0.0000	0.0000	0.0000	-4.229	-7.677	69.94
RohnFa2	0.1046	-0.1833	0.01496	0.0000	0.0000	0.0000	-4.226	7.318	70.01
RohnGa1	0.05189	-0.08826	-0.0417	0.0000	0.0000	0.0000	-4.672	-8.27	49.96
RohnGa2	0.05499	-0.09663	0.01305	0.0000	0.0000	0.0000	-4.669	8.086	50.01
RohnHa1	0.01808	-0.02936	-0.02554	0.0000	0.0000	0.0000	-5.1	-8.894	29.97
RohnHa2	0.0219	-0.03872	0.008624	0.0000	0.0000	0.0000	-5.096	8.825	30.01
RohnIa1	0.003035	0.001511	-0.008805	0.0000	0.0000	0.0000	-5.509	-9.546	9.991
RohnIa2	0.006323	-0.01121	0.002574	0.0000	0.0000	0.0000	-5.506	9.537	10
SNB-Aa1	0.6363	-1.102	-0.09501	0.0000	0.0000	0.0000	-0.6287	-3.293	174.9
SNB-Aa2	0.6366	-1.104	-0.04683	0.0000	0.0000	0.0000	-0.6284	1.087	175
SNB-Ab1	0.6046	-1.047	-0.09383	0.0000	0.0000	0.0000	-0.7589	-3.408	169.9
SNB-Ab2	0.6046	-1.049	-0.04207	0.0000	0.0000	0.0000	-0.7589	1.313	170
SNB-Ac1	0.5726	-0.9916	-0.09254	0.0000	0.0000	0.0000	-0.8894	-3.524	164.9
SNB-Ac2	0.5732	-0.9938	-0.03748	0.0000	0.0000	0.0000	-0.8888	1.538	165
SNB-Ba1	0.5099	-0.8827	-0.08976	0.0000	0.0000	0.0000	-1.149	-3.756	154.9
SNB-Ba2	0.5106	-0.8854	-0.0287	0.0000	0.0000	0.0000	-1.148	1.988	155
SNB-Bb1	0.4794	-0.8289	-0.0883	0.0000	0.0000	0.0000	-1.278	-3.873	149.9
SNB-Bb2	0.4795	-0.8317	-0.02449	0.0000	0.0000	0.0000	-1.278	2.212	150
SNB-Bc1	0.4485	-0.7759	-0.08671	0.0000	0.0000	0.0000	-1.407	-3.99	144.9
SNB-Bc2	0.4491	-0.7789	-0.0205	0.0000	0.0000	0.0000	-1.406	2.435	145
SNB-Ca1	0.3795	-0.6565	-0.08261	0.0000	0.0000	0.0000	-1.706	-4.268	133.3
SNB-Ca2	0.3806	-0.66	-0.01208	0.0000	0.0000	0.0000	-1.704	2.951	133.3
SNB-Cb1	0.3416	-0.591	-0.07989	0.0000	0.0000	0.0000	-1.875	-4.43	126.6
SNB-Cb2	0.343	-0.5948	-0.008	0.0000	0.0000	0.0000	-1.873	3.244	126.7
SNB-Da1	0.2714	-0.4691	-0.07355	0.0000	0.0000	0.0000	-2.207	-4.762	113.3
SNB-Da2	0.2729	-0.4733	-0.001921	0.0000	0.0000	0.0000	-2.205	3.819	113.3
SNB-Db1	0.2391	-0.4134	-0.06974	0.0000	0.0000	0.0000	-2.371	-4.933	106.6
SNB-Db2	0.2411	-0.418	-0.0001484	0.0000	0.0000	0.0000	-2.369	4.102	106.7
SNB-Ea1	0.1837	-0.3158	-0.06243	0.0000	0.0000	0.0000	-2.688	-5.289	93.28
SNB-Ea2	0.1847	-0.3202	0.003291	0.0000	0.0000	0.0000	-2.687	4.653	93.34
SNB-Eb1	0.1581	-0.2717	-0.05894	0.0000	0.0000	0.0000	-2.845	-5.473	86.6
SNB-Eb2	0.1595	-0.2765	0.005168	0.0000	0.0000	0.0000	-2.843	4.925	86.67
SNB-Fa1	0.1005	-0.1755	-0.04928	0.0000	0.0000	0.0000	-3.23	-5.945	69.95
SNB-Fa2	0.1051	-0.1821	0.007846	0.0000	0.0000	0.0000	-3.226	5.587	70.01
SNB-Ga1	0.05097	-0.08863	-0.03659	0.0000	0.0000	0.0000	-3.673	-6.539	49.96
SNB-Ga2	0.05516	-0.09562	0.00847	0.0000	0.0000	0.0000	-3.669	6.355	50.01

SNB-Ha1	0.01732	-0.02982	-0.02269	0.0000	0.0000	0.0000	-4.1	-7.161	29.98
SNB-Ha2	0.02184	-0.03785	0.006405	0.0000	0.0000	0.0000	-4.095	7.093	30.01
SNB-Ia1	0.002243	0.001067	-0.008052	0.0000	0.0000	0.0000	-4.509	-7.812	9.992
SNB-Ia2	0.006045	-0.01047	0.002049	0.0000	0.0000	0.0000	-4.505	7.802	10

Joint Support Reactions for Load Case "W+I -60 deg":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Force (kips)	Z Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
RohnJP	-2.83	0.0	2.07	0.0	135.75	0.0	0.0	135.80	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	-3.67	0.0	5.33	0.0	187.33	0.0	0.0	187.44	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	-0.60	0.0	3.62	0.0	135.90	0.0	0.0	135.95	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	-10.36	0.0	18.22	0.0	-206.00	0.0	0.0	207.06	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	-2.79	0.0	5.85	0.0	187.43	0.0	0.0	187.60	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	-20.89	0.0	36.19	0.0	-319.95	0.0	0.0	322.66	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "W+I -60 deg":

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	0.9285	-1.6082	-0.7199	-0.9285	1.6082	0.7199	0.6659	-1.1559	-0.1140
RohnBP	0.4743	-0.8215	-0.7659	-0.4743	0.8215	0.7659	0.5388	-0.9358	-0.1085
RohnCP	0.4170	-0.7223	-0.8907	-0.4170	0.7223	0.8907	0.4160	-0.7237	-0.1009
RohnDP	0.7017	-1.2153	-1.6173	-0.7017	1.2153	1.6173	0.3032	-0.5281	-0.0909
RohnEP	0.3102	-0.5373	-0.9422	-0.3102	0.5373	0.9422	0.2074	-0.3627	-0.0772
RohnFP	0.3954	-0.6849	-1.3026	-0.3954	0.6849	1.3026	0.1314	-0.2320	-0.0637
RohnGP	0.3993	-0.6916	-1.6057	-0.3993	0.6916	1.6057	0.0725	-0.1314	-0.0491
RohnHP	0.3640	-0.6305	-1.7244	-0.3640	0.6305	1.7244	0.0304	-0.0591	-0.0339
RohnIP	0.3579	-0.6199	-1.8423	-0.3579	0.6199	1.8423	0.0054	-0.0161	-0.0167
RohnJP	0.1827	-0.3165	-0.9588	2.6519	-1.7516	-134.7917	0.0000	0.0000	0.0000
SNB-AP	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.6668	-1.1580	-0.0961
SNB-BP	0.1902	-0.3295	-0.5363	-0.1902	0.3295	0.5363	0.5397	-0.9380	-0.0911
SNB-CP	0.2561	-0.4435	-0.6503	-0.2561	0.4435	0.6503	0.4168	-0.7254	-0.0850
SNB-DP	0.3038	-0.5262	-0.7774	-0.3038	0.5262	0.7774	0.3040	-0.5302	-0.0769
SNB-EP	0.3102	-0.5373	-0.9422	-0.3102	0.5373	0.9422	0.2082	-0.3645	-0.0656
SNB-FP	0.3536	-0.6124	-1.2811	-0.3536	0.6124	1.2811	0.1322	-0.2333	-0.0552
SNB-GP	0.3855	-0.6677	-1.5857	-0.3855	0.6677	1.5857	0.0732	-0.1317	-0.0429
SNB-HP	0.3640	-0.6305	-1.7244	-0.3640	0.6305	1.7244	0.0312	-0.0594	-0.0299
SNB-IP	0.3579	-0.6199	-1.8423	-0.3579	0.6199	1.8423	0.0062	-0.0157	-0.0150
SNB-JP	0.1827	-0.3165	-0.9588	3.4891	-5.0143	-186.3703	0.0000	0.0000	0.0000
RohnA1	0.7701	-1.3339	-0.7245	-0.7701	1.3339	0.7245	0.6708	-1.1577	-0.1142
RohnA2	0.8114	-1.4054	-0.6973	-0.8114	1.4054	0.6973	0.6665	-1.1610	-0.0325
RohnB1	0.3459	-0.5992	-0.7011	-0.3459	0.5992	0.7011	0.5440	-0.9373	-0.1087
RohnB2	0.2267	-0.3926	-0.6313	-0.2267	0.3926	0.6313	0.5400	-0.9413	-0.0145
RohnC1	0.3749	-0.6494	-0.7207	-0.3749	0.6494	0.7207	0.4215	-0.7245	-0.1011
RohnC2	0.4030	-0.6980	-0.8807	-0.4030	0.6980	0.8807	0.4179	-0.7289	0.0002
RohnD1	0.7017	-1.2153	-1.6173	-0.7017	1.2153	1.6173	0.3083	-0.5287	-0.0910
RohnD2	0.7017	-1.2153	-1.6173	-0.7017	1.2153	1.6173	0.3058	-0.5338	0.0102
RohnE1	0.3102	-0.5373	-0.9422	-0.3102	0.5373	0.9422	0.2126	-0.3626	-0.0773
RohnE2	0.3102	-0.5373	-0.9422	-0.3102	0.5373	0.9422	0.2107	-0.3682	0.0132
RohnF1	0.4433	-0.7678	-1.3521	-0.4433	0.7678	1.3521	0.1370	-0.2310	-0.0637
RohnF2	0.3954	-0.6849	-1.3026	-0.3954	0.6849	1.3026	0.1354	-0.2369	0.0149
RohnG1	0.3855	-0.6677	-1.5857	-0.3855	0.6677	1.5857	0.0789	-0.1293	-0.0492
RohnG2	0.3855	-0.6677	-1.5857	-0.3855	0.6677	1.5857	0.0771	-0.1353	0.0140
RohnH1	0.3640	-0.6305	-1.7244	-0.3640	0.6305	1.7244	0.0369	-0.0565	-0.0339
RohnH2	0.3640	-0.6305	-1.7244	-0.3640	0.6305	1.7244	0.0357	-0.0629	0.0113
RohnI1	0.3579	-0.6199	-1.8423	-0.3579	0.6199	1.8423	0.0117	-0.0130	-0.0168
RohnI2	0.3695	-0.6400	-1.8623	-0.3695	0.6400	1.8623	0.0107	-0.0190	0.0053
RohnJ1	0.1827	-0.3165	-0.9588	0.4207	-3.3061	-134.9386	0.0000	0.0000	0.0000
RohnJ2	0.1827	-0.3165	-0.9588	10.1774	-17.9002	206.9539	0.0000	0.0000	0.0000
SNB-A1	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.6682	-1.1572	-0.0962
SNB-A2	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.6683	-1.1590	-0.0517
SNB-B1	0.1902	-0.3295	-0.5363	-0.1902	0.3294	0.5363	0.5415	-0.9369	-0.0912
SNB-B2	0.1902	-0.3295	-0.5363	-0.1902	0.3295	0.5363	0.5416	-0.9393	-0.0331
SNB-C1	0.2561	-0.4435	-0.6503	-0.2561	0.4435	0.6503	0.4191	-0.7241	-0.0850
SNB-C2	0.2561	-0.4435	-0.6503	-0.2561	0.4435	0.6503	0.4193	-0.7271	-0.0167
SNB-D1	0.3038	-0.5262	-0.7774	-0.3038	0.5262	0.7774	0.3066	-0.5287	-0.0770
SNB-D2	0.3038	-0.5262	-0.7774	-0.3038	0.5262	0.7774	0.3069	-0.5322	-0.0045
SNB-E1	0.3102	-0.5373	-0.9422	-0.3102	0.5373	0.9422	0.2113	-0.3627	-0.0657
SNB-E2	0.3102	-0.5373	-0.9422	-0.3102	0.5373	0.9422	0.2115	-0.3667	0.0009
SNB-F1	0.3536	-0.6124	-1.2811	-0.3536	0.6124	1.2811	0.1358	-0.2312	-0.0553
SNB-F2	0.3536	-0.6124	-1.2811	-0.3536	0.6124	1.2811	0.1359	-0.2356	0.0066
SNB-G1	0.3855	-0.6677	-1.5857	-0.3855	0.6677	1.5857	0.0774	-0.1294	-0.0429
SNB-G2	0.3855	-0.6677	-1.5857	-0.3855	0.6677	1.5857	0.0774	-0.1342	0.0082
SNB-H1	0.3640	-0.6305	-1.7244	-0.3640	0.6305	1.7244	0.0358	-0.0567	-0.0299

SNB-H2	0.3640	-0.6305	-1.7244	-0.3640	0.6305	1.7244	0.0358	-0.0620	0.0080
SNB-I1	0.3579	-0.6199	-1.8423	-0.3579	0.6199	1.8423	0.0105	-0.0132	-0.0150
SNB-I2	0.3579	-0.6199	-1.8423	-0.3579	0.6199	1.8423	0.0105	-0.0182	0.0041
SNB-J1	0.1827	-0.3165	-0.9588	2.6074	-5.5315	-186.5290	0.0000	0.0000	0.0000
SNB-J2	0.1827	-0.3165	-0.9588	20.7065	-35.8701	320.9048	0.0000	0.0000	0.0000
RohnAaS	0.1216	-0.2107	-0.2802	-0.1216	0.2107	0.2802	0.6340	-1.1000	-0.1129
RohnAbS	0.4557	-0.7892	-0.4575	-0.4557	0.7892	0.4575	0.6022	-1.0454	-0.1116
RohnAcS	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.5704	-0.9896	-0.1101
RohnBaS	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.5077	-0.8806	-0.1069
RohnBbS	0.9350	-1.6194	-1.2538	-0.9350	1.6194	1.2538	0.4765	-0.8293	-0.1051
RohnBcS	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.4460	-0.7736	-0.1031
RohnCaS	0.9405	-1.6289	-1.0682	-0.9405	1.6289	1.0682	0.3773	-0.6562	-0.0980
RohnCbS	0.1505	-0.2606	-0.3714	-0.1505	0.2606	0.3714	0.3396	-0.5896	-0.0946
RohnDaS	0.1533	-0.2656	-0.4060	-0.1533	0.2655	0.4060	0.2693	-0.4684	-0.0867
RohnDbS	0.1533	-0.2656	-0.4060	-0.1533	0.2655	0.4060	0.2373	-0.4127	-0.0821
RohnEaS	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1806	-0.3155	-0.0730
RohnEbS	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1552	-0.2714	-0.0684
RohnFaS	0.1966	-0.3406	-0.7448	-0.1966	0.3406	0.7448	0.1008	-0.1741	-0.0566
RohnGaS	0.1889	-0.3271	-0.8409	-0.1889	0.3271	0.8409	0.0504	-0.0878	-0.0417
RohnHaS	0.1751	-0.3033	-0.8835	-0.1751	0.3033	0.8835	0.0164	-0.0296	-0.0255
RohnIaS	0.1827	-0.3165	-0.9588	-0.1827	0.3165	0.9588	-0.0028	-0.0016	-0.0088
SNB-AaS	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.6349	-1.1026	-0.0950
SNB-AbS	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.6031	-1.0477	-0.0938
SNB-AcS	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.5713	-0.9922	-0.0925
SNB-BaS	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.5085	-0.8834	-0.0897
SNB-BbS	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.4773	-0.8302	-0.0883
SNB-BcS	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.4469	-0.7768	-0.0867
SNB-CaS	0.1505	-0.2606	-0.3714	-0.1505	0.2606	0.3714	0.3781	-0.6573	-0.0826
SNB-CbS	0.1505	-0.2606	-0.3714	-0.1505	0.2606	0.3714	0.3404	-0.5916	-0.0798
SNB-DaS	0.1533	-0.2656	-0.4060	-0.1533	0.2655	0.4060	0.2701	-0.4698	-0.0735
SNB-DbS	0.1533	-0.2656	-0.4060	-0.1533	0.2655	0.4060	0.2381	-0.4139	-0.0697
SNB-EaS	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1814	-0.3171	-0.0624
SNB-EbS	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1560	-0.2729	-0.0589
SNB-FaS	0.1966	-0.3406	-0.7448	-0.1966	0.3406	0.7448	0.1016	-0.1749	-0.0493
SNB-GaS	0.1889	-0.3271	-0.8409	-0.1889	0.3271	0.8409	0.0512	-0.0885	-0.0366
SNB-HaS	0.1751	-0.3033	-0.8835	-0.1751	0.3033	0.8835	0.0172	-0.0299	-0.0227
SNB-IaS	0.1827	-0.3165	-0.9588	-0.1827	0.3165	0.9588	-0.0020	-0.0014	-0.0080
RohnAa1	0.6271	-1.0862	-0.4775	-0.6271	1.0862	0.4775	0.6392	-1.1028	-0.1130
RohnAa2	0.1216	-0.2107	-0.2802	-0.1216	0.2107	0.2802	0.6351	-1.1057	-0.0277
RohnAb1	0.1217	-0.2108	-0.2975	-0.1217	0.2108	0.2975	0.6070	-1.0470	-0.1117
RohnAb2	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.6026	-1.0510	-0.0231
RohnAc1	0.4599	-0.7965	-0.3875	-0.4599	0.7965	0.3875	0.5754	-0.9923	-0.1102
RohnAc2	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.5717	-0.9957	-0.0187
RohnBa1	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.5118	-0.8828	-0.1070
RohnBa2	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.5091	-0.8872	-0.0104
RohnBb1	0.9122	-1.5801	-1.2338	-0.9122	1.5801	1.2338	0.4827	-0.8299	-0.1053
RohnBb2	0.9122	-1.5801	-1.2338	-0.9122	1.5801	1.2338	0.4781	-0.8335	-0.0065
RohnBc1	0.1322	-0.2290	-0.3538	-0.1322	0.2290	0.3538	0.4497	-0.7757	-0.1032
RohnBc2	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.4478	-0.7806	-0.0030
RohnCa1	1.0433	-1.8070	-1.1156	-1.0433	1.8070	1.1156	0.3825	-0.6573	-0.0981
RohnCa2	0.9405	-1.6289	-1.0682	-0.9405	1.6289	1.0682	0.3794	-0.6617	0.0042
RohnCb1	0.1505	-0.2606	-0.3714	-0.1505	0.2606	0.3714	0.3435	-0.5911	-0.0947
RohnCb2	0.1505	-0.2606	-0.3714	-0.1505	0.2606	0.3714	0.3418	-0.5965	0.0076
RohnDa1	0.2178	-0.3772	-0.6510	-0.2178	0.3772	0.6510	0.2735	-0.4694	-0.0869
RohnDa2	0.1533	-0.2656	-0.4060	-0.1533	0.2655	0.4060	0.2719	-0.4749	0.0120
RohnDb1	0.1777	-0.3077	-0.4810	-0.1777	0.3077	0.4810	0.2412	-0.4137	-0.0822
RohnDb2	0.1533	-0.2656	-0.4060	-0.1533	0.2655	0.4060	0.2401	-0.4195	0.0130
RohnEa1	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1850	-0.3156	-0.0730
RohnEa2	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1840	-0.3216	0.0142
RohnEb1	0.1799	-0.3115	-0.6113	-0.1799	0.3115	0.6113	0.1594	-0.2715	-0.0685
RohnEb2	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1588	-0.2778	0.0148
RohnFa1	0.1966	-0.3406	-0.7448	-0.1966	0.3406	0.7448	0.1019	-0.1754	-0.0567
RohnFa2	0.1966	-0.3406	-0.7448	-0.1966	0.3406	0.7448	0.1046	-0.1833	0.0150
RohnGa1	0.1889	-0.3271	-0.8409	-0.1889	0.3271	0.8409	0.0519	-0.0883	-0.0417
RohnGa2	0.1889	-0.3271	-0.8409	-0.1889	0.3271	0.8409	0.0550	-0.0966	0.0130
RohnHa1	0.1751	-0.3033	-0.8835	-0.1751	0.3033	0.8835	0.0181	-0.0294	-0.0255
RohnHa2	0.1751	-0.3033	-0.8835	-0.1751	0.3033	0.8835	0.0219	-0.0387	0.0086
RohnIa1	0.1827	-0.3165	-0.9588	-0.1827	0.3165	0.9588	0.0030	0.0015	-0.0088
RohnIa2	0.1827	-0.3165	-0.9588	-0.1827	0.3165	0.9588	0.0063	-0.0112	0.0026
SNB-Aa1	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.6363	-1.1020	-0.0950
SNB-Aa2	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.6366	-1.1038	-0.0468
SNB-Ab1	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.6046	-1.0465	-0.0938
SNB-Ab2	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.6046	-1.0489	-0.0421
SNB-Ac1	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.5726	-0.9916	-0.0925
SNB-Ac2	0.0846	-0.1465	-0.2575	-0.0846	0.1465	0.2575	0.5732	-0.9938	-0.0375
SNB-Ba1	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.5099	-0.8827	-0.0898
SNB-Ba2	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.5106	-0.8854	-0.0287
SNB-Bb1	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.4794	-0.8289	-0.0883
SNB-Bb2	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.4795	-0.8317	-0.0245
SNB-Bc1	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.4485	-0.7759	-0.0867
SNB-Bc2	0.1056	-0.1829	-0.2788	-0.1056	0.1829	0.2788	0.4491	-0.7789	-0.0205

SNB-Ca1	0.1505	-0.2606	-0.3714	-0.1505	0.2606	0.3714	0.3795	-0.6565	-0.0826
SNB-Ca2	0.1505	-0.2606	-0.3714	-0.1505	0.2606	0.3714	0.3806	-0.6600	-0.0121
SNB-Cb1	0.1505	-0.2606	-0.3714	-0.1505	0.2606	0.3714	0.3416	-0.5910	-0.0799
SNB-Cb2	0.1505	-0.2606	-0.3714	-0.1505	0.2606	0.3714	0.3430	-0.5948	-0.0080
SNB-Da1	0.1533	-0.2656	-0.4060	-0.1533	0.2655	0.4060	0.2714	-0.4691	-0.0735
SNB-Da2	0.1533	-0.2656	-0.4060	-0.1533	0.2656	0.4060	0.2729	-0.4733	-0.0019
SNB-Db1	0.1533	-0.2656	-0.4060	-0.1533	0.2655	0.4060	0.2391	-0.4134	-0.0697
SNB-Db2	0.1533	-0.2656	-0.4060	-0.1533	0.2656	0.4060	0.2411	-0.4180	-0.0001
SNB-Ea1	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1837	-0.3158	-0.0624
SNB-Ea2	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1847	-0.3202	0.0033
SNB-Eb1	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1581	-0.2717	-0.0589
SNB-Eb2	0.1569	-0.2718	-0.5363	-0.1569	0.2718	0.5363	0.1595	-0.2765	0.0052
SNB-Fa1	0.1966	-0.3406	-0.7448	-0.1966	0.3406	0.7448	0.1005	-0.1755	-0.0493
SNB-Fa2	0.1966	-0.3406	-0.7448	-0.1966	0.3406	0.7448	0.1051	-0.1821	0.0078
SNB-Ga1	0.1889	-0.3271	-0.8409	-0.1889	0.3271	0.8409	0.0510	-0.0886	-0.0366
SNB-Ga2	0.1889	-0.3271	-0.8409	-0.1889	0.3271	0.8409	0.0552	-0.0956	0.0085
SNB-Ha1	0.1751	-0.3033	-0.8835	-0.1751	0.3033	0.8835	0.0173	-0.0298	-0.0227
SNB-Ha2	0.1751	-0.3033	-0.8835	-0.1751	0.3033	0.8835	0.0218	-0.0379	0.0064
SNB-Ia1	0.1827	-0.3165	-0.9588	-0.1827	0.3165	0.9588	0.0022	0.0011	-0.0081
SNB-Ia2	0.1827	-0.3165	-0.9588	-0.1827	0.3165	0.9588	0.0060	-0.0105	0.0020

*** Analysis Results for Load Case No. 3 "W+I 0 deg" - Number of iterations in SAPS 12

Equilibrium Joint Positions and Rotations for Load Case "W+I 0 deg":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	1.443	0.005998	-0.1464	0.0000	0.0000	0.0000	5.776	0.005998	179.9
RohnBP	1.17	0.006179	-0.1455	0.0000	0.0000	0.0000	6.291	0.006179	159.9
RohnCP	0.9055	0.005089	-0.1405	0.0000	0.0000	0.0000	6.815	0.005089	139.9
RohnDP	0.6623	0.004053	-0.1305	0.0000	0.0000	0.0000	7.357	0.004053	119.9
RohnEP	0.4554	0.003246	-0.1126	0.0000	0.0000	0.0000	7.936	0.003246	99.89
RohnFP	0.2906	0.00249	-0.09451	0.0000	0.0000	0.0000	8.559	0.00249	79.91
RohnGP	0.1628	0.001881	-0.07393	0.0000	0.0000	0.0000	9.218	0.001881	59.93
RohnHP	0.07129	0.001217	-0.05168	0.0000	0.0000	0.0000	9.912	0.001217	39.95
RohnIP	0.01634	0.0006227	-0.02544	0.0000	0.0000	0.0000	10.65	0.0006227	19.97
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	1.444	-0.001448	-0.1142	0.0000	0.0000	0.0000	3.777	-0.001448	179.9
SNB-BP	1.171	-0.001021	-0.1142	0.0000	0.0000	0.0000	4.292	-0.001021	159.9
SNB-CP	0.9065	-0.0007044	-0.1119	0.0000	0.0000	0.0000	4.815	-0.0007044	139.9
SNB-DP	0.6633	-0.00045	-0.1053	0.0000	0.0000	0.0000	5.358	-0.00045	119.9
SNB-EP	0.4562	-0.0002646	-0.09175	0.0000	0.0000	0.0000	5.937	-0.0002646	99.91
SNB-FP	0.2915	-0.0001408	-0.07956	0.0000	0.0000	0.0000	6.559	-0.0001408	79.92
SNB-GP	0.1636	-6.206e-005	-0.06304	0.0000	0.0000	0.0000	7.219	-6.206e-005	59.94
SNB-HP	0.07208	-1.661e-005	-0.04485	0.0000	0.0000	0.0000	7.913	-1.661e-005	39.96
SNB-IP	0.01712	1.137e-006	-0.02259	0.0000	0.0000	0.0000	8.645	1.137e-006	19.98
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	1.453	-0.003832	-0.0589	0.0000	0.0000	0.0000	-0.7136	-3.756	179.9
RohnA2	1.44	-0.00654	-0.05858	0.0000	0.0000	0.0000	-0.7263	3.746	179.9
RohnB1	1.18	-0.002988	-0.04444	0.0000	0.0000	0.0000	-1.381	-4.438	160
RohnB2	1.167	-0.006395	-0.04409	0.0000	0.0000	0.0000	-1.393	4.429	160
RohnC1	0.915	-0.001848	-0.03164	0.0000	0.0000	0.0000	-2.039	-5.119	140
RohnC2	0.905	-0.005438	-0.03137	0.0000	0.0000	0.0000	-2.049	5.112	140
RohnD1	0.6704	-0.0003079	-0.02131	0.0000	0.0000	0.0000	-2.677	-5.798	120
RohnD2	0.6625	-0.005238	-0.02108	0.0000	0.0000	0.0000	-2.685	5.793	120
RohnE1	0.4628	0.0006719	-0.01476	0.0000	0.0000	0.0000	-3.278	-6.478	99.99
RohnE2	0.4567	-0.004821	-0.01459	0.0000	0.0000	0.0000	-3.284	6.474	99.99
RohnF1	0.2978	0.001445	-0.009233	0.0000	0.0000	0.0000	-3.836	-7.159	79.99
RohnF2	0.2932	-0.00446	-0.009112	0.0000	0.0000	0.0000	-3.841	7.156	79.99
RohnG1	0.1702	0.001815	-0.005282	0.0000	0.0000	0.0000	-4.357	-7.84	59.99
RohnG2	0.1668	-0.003941	-0.005204	0.0000	0.0000	0.0000	-4.361	7.838	59.99
RohnH1	0.07829	0.00255	-0.002426	0.0000	0.0000	0.0000	-4.842	-8.52	40
RohnH2	0.07613	-0.003856	-0.00238	0.0000	0.0000	0.0000	-4.844	8.519	40
RohnI1	0.02284	0.002593	-0.001409	0.0000	0.0000	0.0000	-5.292	-9.203	20
RohnI2	0.02177	-0.003224	-0.001391	0.0000	0.0000	0.0000	-5.293	9.203	20
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	1.446	-0.0007347	-0.06649	0.0000	0.0000	0.0000	0.2794	-2.021	179.9
SNB-A2	1.446	-0.002305	-0.06639	0.0000	0.0000	0.0000	0.2794	2.018	179.9
SNB-B1	1.173	-6.489e-005	-0.05182	0.0000	0.0000	0.0000	-0.3872	-2.703	159.9
SNB-B2	1.173	-0.002152	-0.05173	0.0000	0.0000	0.0000	-0.3873	2.701	159.9
SNB-C1	0.9093	0.0005558	-0.03835	0.0000	0.0000	0.0000	-1.045	-3.384	140
SNB-C2	0.9092	-0.002128	-0.03825	0.0000	0.0000	0.0000	-1.045	3.382	140
SNB-D1	0.6664	0.001106	-0.02713	0.0000	0.0000	0.0000	-1.681	-4.065	120
SNB-D2	0.6663	-0.002146	-0.02704	0.0000	0.0000	0.0000	-1.681	4.064	120
SNB-E1	0.4596	0.001603	-0.01968	0.0000	0.0000	0.0000	-2.281	-4.745	99.98
SNB-E2	0.4596	-0.002239	-0.01961	0.0000	0.0000	0.0000	-2.281	4.744	99.98
SNB-F1	0.2953	0.001959	-0.01238	0.0000	0.0000	0.0000	-2.839	-5.426	79.99
SNB-F2	0.2953	-0.002322	-0.01232	0.0000	0.0000	0.0000	-2.839	5.426	79.99
SNB-G1	0.1678	0.002295	-0.007405	0.0000	0.0000	0.0000	-3.36	-6.108	59.99
SNB-G2	0.1678	-0.00248	-0.007364	0.0000	0.0000	0.0000	-3.36	6.107	59.99
SNB-H1	0.0767	0.002561	-0.00353	0.0000	0.0000	0.0000	-3.844	-6.788	40
SNB-H2	0.07668	-0.002636	-0.003503	0.0000	0.0000	0.0000	-3.844	6.788	40
SNB-I1	0.02144	0.0025	-0.001647	0.0000	0.0000	0.0000	-4.293	-7.47	20
SNB-I2	0.02143	-0.002518	-0.001636	0.0000	0.0000	0.0000	-4.293	7.47	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	1.375	0.006074	-0.1466	0.0000	0.0000	0.0000	5.905	0.006074	174.9
RohnAbS	1.306	0.006672	-0.1465	0.0000	0.0000	0.0000	6.033	0.006672	169.9
RohnAcS	1.238	0.006212	-0.1461	0.0000	0.0000	0.0000	6.162	0.006212	164.9
RohnBaS	1.103	0.005805	-0.1448	0.0000	0.0000	0.0000	6.421	0.005805	154.9
RohnBbS	1.036	0.0055	-0.1438	0.0000	0.0000	0.0000	6.551	0.0055	149.9
RohnBcS	0.9702	0.005083	-0.1424	0.0000	0.0000	0.0000	6.682	0.005083	144.9
RohnCaS	0.8221	0.004707	-0.1379	0.0000	0.0000	0.0000	6.993	0.004707	133.2
RohnCbS	0.7407	0.004451	-0.1346	0.0000	0.0000	0.0000	7.174	0.004451	126.5
RohnDaS	0.589	0.003813	-0.1254	0.0000	0.0000	0.0000	7.546	0.003813	113.2
RohnDbS	0.5199	0.00356	-0.1194	0.0000	0.0000	0.0000	7.739	0.00356	106.5
RohnEaS	0.3972	0.003019	-0.1071	0.0000	0.0000	0.0000	8.14	0.003019	93.23

RohnEbS	0.3422	0.002771	-0.1011	0.0000	0.0000	0.0000	8.348	0.002771	86.56
RohnFaS	0.2239	0.002211	-0.08477	0.0000	0.0000	0.0000	8.885	0.002211	69.92
RohnGaS	0.1144	0.001559	-0.06324	0.0000	0.0000	0.0000	9.562	0.001559	49.94
RohnHaS	0.04058	0.000924	-0.03901	0.0000	0.0000	0.0000	10.28	0.000924	29.96
RohnIaS	0.001193	0.0003144	-0.0133	0.0000	0.0000	0.0000	11.03	0.0003144	9.987
SNB-AaS	1.376	-0.001403	-0.1145	0.0000	0.0000	0.0000	3.906	-0.001403	174.9
SNB-AbS	1.307	-0.001103	-0.1146	0.0000	0.0000	0.0000	4.034	-0.001103	169.9
SNB-AcS	1.239	-0.001188	-0.1145	0.0000	0.0000	0.0000	4.163	-0.001188	164.9
SNB-BaS	1.104	-0.0009464	-0.114	0.0000	0.0000	0.0000	4.422	-0.0009464	154.9
SNB-BbS	1.037	-0.0008302	-0.1135	0.0000	0.0000	0.0000	4.551	-0.0008302	149.9
SNB-BcS	0.9712	-0.0007887	-0.1128	0.0000	0.0000	0.0000	4.682	-0.0007887	144.9
SNB-CaS	0.8231	-0.0006191	-0.1103	0.0000	0.0000	0.0000	4.993	-0.0006191	133.2
SNB-CbS	0.7417	-0.000513	-0.1081	0.0000	0.0000	0.0000	5.175	-0.000513	126.6
SNB-DaS	0.59	-0.0003773	-0.1016	0.0000	0.0000	0.0000	5.547	-0.0003773	113.2
SNB-DbS	0.5208	-0.0003114	-0.09701	0.0000	0.0000	0.0000	5.74	-0.0003114	106.6
SNB-EaS	0.398	-0.0002173	-0.0882	0.0000	0.0000	0.0000	6.141	-0.0002173	93.25
SNB-EbS	0.3431	-0.0001751	-0.08408	0.0000	0.0000	0.0000	6.349	-0.0001751	86.58
SNB-FaS	0.2247	-9.025e-005	-0.07176	0.0000	0.0000	0.0000	6.886	-9.025e-005	69.93
SNB-GaS	0.1152	-3.153e-005	-0.05438	0.0000	0.0000	0.0000	7.563	-3.153e-005	49.95
SNB-HaS	0.04137	-1.706e-006	-0.03421	0.0000	0.0000	0.0000	8.276	-1.706e-006	29.97
SNB-IaS	0.001975	4.187e-006	-0.01207	0.0000	0.0000	0.0000	9.023	4.187e-006	9.988
RohnAa1	1.385	-0.003914	-0.05516	0.0000	0.0000	0.0000	-0.8759	-3.927	174.9
RohnAa2	1.371	-0.006714	-0.0548	0.0000	0.0000	0.0000	-0.8937	3.916	174.9
RohnAb1	1.316	-0.003456	-0.05147	0.0000	0.0000	0.0000	-1.048	-4.097	169.9
RohnAb2	1.303	-0.006796	-0.05111	0.0000	0.0000	0.0000	-1.061	4.087	169.9
RohnAc1	1.248	-0.003365	-0.04791	0.0000	0.0000	0.0000	-1.214	-4.268	165
RohnAc2	1.235	-0.006687	-0.04754	0.0000	0.0000	0.0000	-1.227	4.258	165
RohnBa1	1.112	-0.002179	-0.04102	0.0000	0.0000	0.0000	-1.547	-4.608	155
RohnBa2	1.1	-0.006609	-0.04069	0.0000	0.0000	0.0000	-1.559	4.599	155
RohnBb1	1.046	-0.002854	-0.03775	0.0000	0.0000	0.0000	-1.711	-4.779	150
RohnBb2	1.035	-0.005326	-0.03744	0.0000	0.0000	0.0000	-1.722	4.771	150
RohnBc1	0.9779	-0.001143	-0.03455	0.0000	0.0000	0.0000	-1.878	-4.948	145
RohnBc2	0.9676	-0.006456	-0.03426	0.0000	0.0000	0.0000	-1.888	4.94	145
RohnCa1	0.8309	-0.001325	-0.02784	0.0000	0.0000	0.0000	-2.255	-5.345	133.3
RohnCa2	0.8214	-0.005452	-0.02758	0.0000	0.0000	0.0000	-2.264	5.339	133.3
RohnCb1	0.748	-0.0002396	-0.02436	0.0000	0.0000	0.0000	-2.469	-5.572	126.6
RohnCb2	0.7393	-0.005905	-0.02411	0.0000	0.0000	0.0000	-2.477	5.565	126.6
RohnDa1	0.596	0.0003519	-0.01867	0.0000	0.0000	0.0000	-2.882	-6.024	113.3
RohnDa2	0.5886	-0.005456	-0.01845	0.0000	0.0000	0.0000	-2.89	6.019	113.3
RohnDb1	0.5262	0.0009119	-0.01648	0.0000	0.0000	0.0000	-3.083	-6.251	106.6
RohnDb2	0.5194	-0.005535	-0.01629	0.0000	0.0000	0.0000	-3.09	6.247	106.6
RohnEa1	0.4036	0.001337	-0.01263	0.0000	0.0000	0.0000	-3.468	-6.704	93.33
RohnEa2	0.398	-0.005104	-0.01248	0.0000	0.0000	0.0000	-3.474	6.701	93.33
RohnEb1	0.3482	0.001758	-0.01078	0.0000	0.0000	0.0000	-3.655	-6.932	86.65
RohnEb2	0.3431	-0.005151	-0.01065	0.0000	0.0000	0.0000	-3.66	6.928	86.65
RohnFa1	0.2263	0.003889	-0.006935	0.0000	0.0000	0.0000	-4.104	-7.497	69.99
RohnFa2	0.2223	-0.006445	-0.006837	0.0000	0.0000	0.0000	-4.108	7.495	69.99
RohnGa1	0.1167	0.004555	-0.003612	0.0000	0.0000	0.0000	-4.607	-8.178	50
RohnGa2	0.114	-0.006265	-0.003551	0.0000	0.0000	0.0000	-4.61	8.176	50
RohnHa1	0.04269	0.005544	-0.001732	0.0000	0.0000	0.0000	-5.075	-8.859	30
RohnHa2	0.04107	-0.00651	-0.001701	0.0000	0.0000	0.0000	-5.077	8.858	30
RohnIa1	0.007095	0.00729	-0.000868	0.0000	0.0000	0.0000	-5.505	-9.541	9.999
RohnIa2	0.006554	-0.007605	-0.0008595	0.0000	0.0000	0.0000	-5.506	9.54	9.999
SNB-Aa1	1.378	-0.0004939	-0.06274	0.0000	0.0000	0.0000	0.1126	-2.192	174.9
SNB-Aa2	1.377	-0.002264	-0.06263	0.0000	0.0000	0.0000	0.1124	2.189	174.9
SNB-Ab1	1.309	-0.0003931	-0.05901	0.0000	0.0000	0.0000	-0.05453	-2.362	169.9
SNB-Ab2	1.309	-0.002219	-0.05891	0.0000	0.0000	0.0000	-0.05447	2.359	169.9
SNB-Ac1	1.241	-4.845e-005	-0.05536	0.0000	0.0000	0.0000	-0.2212	-2.532	164.9
SNB-Ac2	1.241	-0.002316	-0.05526	0.0000	0.0000	0.0000	-0.2214	2.53	164.9
SNB-Ba1	1.106	0.0003333	-0.04829	0.0000	0.0000	0.0000	-0.5532	-2.873	155
SNB-Ba2	1.106	-0.002364	-0.04819	0.0000	0.0000	0.0000	-0.5533	2.871	155
SNB-Bb1	1.039	0.0002524	-0.04486	0.0000	0.0000	0.0000	-0.7179	-3.043	150
SNB-Bb2	1.039	-0.002118	-0.04476	0.0000	0.0000	0.0000	-0.7179	3.042	150
SNB-Bc1	0.9733	0.0005723	-0.04154	0.0000	0.0000	0.0000	-0.8823	-3.213	145
SNB-Bc2	0.9732	-0.002272	-0.04144	0.0000	0.0000	0.0000	-0.8824	3.212	145
SNB-Ca1	0.8249	0.001182	-0.03429	0.0000	0.0000	0.0000	-1.26	-3.61	133.3
SNB-Ca2	0.8248	-0.002548	-0.03419	0.0000	0.0000	0.0000	-1.26	3.609	133.3
SNB-Cb1	0.7433	0.001534	-0.03053	0.0000	0.0000	0.0000	-1.473	-3.837	126.6
SNB-Cb2	0.7432	-0.002739	-0.03044	0.0000	0.0000	0.0000	-1.473	3.836	126.6
SNB-Da1	0.5916	0.001967	-0.0242	0.0000	0.0000	0.0000	-1.887	-4.291	113.3
SNB-Da2	0.5915	-0.002853	-0.02411	0.0000	0.0000	0.0000	-1.887	4.29	113.3
SNB-Db1	0.522	0.002389	-0.02171	0.0000	0.0000	0.0000	-2.088	-4.518	106.6
SNB-Db2	0.522	-0.003144	-0.02163	0.0000	0.0000	0.0000	-2.088	4.517	106.6
SNB-Ea1	0.4006	0.002144	-0.01696	0.0000	0.0000	0.0000	-2.471	-4.972	93.32
SNB-Ea2	0.4006	-0.00268	-0.01689	0.0000	0.0000	0.0000	-2.471	4.971	93.32
SNB-Eb1	0.3454	0.002461	-0.01454	0.0000	0.0000	0.0000	-2.658	-5.199	86.65
SNB-Eb2	0.3454	-0.002906	-0.01447	0.0000	0.0000	0.0000	-2.658	5.198	86.65
SNB-Fa1	0.2236	0.004526	-0.0096	0.0000	0.0000	0.0000	-3.107	-5.765	69.99
SNB-Fa2	0.2236	-0.004792	-0.00955	0.0000	0.0000	0.0000	-3.107	5.764	69.99
SNB-Ga1	0.1149	0.00473	-0.005218	0.0000	0.0000	0.0000	-3.609	-6.445	49.99
SNB-Ga2	0.1149	-0.004853	-0.005184	0.0000	0.0000	0.0000	-3.609	6.445	49.99

SNB-Ha1	0.04131	0.005439	-0.002392	0.0000	0.0000	0.0000	-4.076	-7.126	30
SNB-Ha2	0.0413	-0.005479	-0.002373	0.0000	0.0000	0.0000	-4.076	7.126	30
SNB-Ia1	0.006	0.00702	-0.0009941	0.0000	0.0000	0.0000	-4.505	-7.806	9.999
SNB-Ia2	0.005996	-0.007025	-0.0009886	0.0000	0.0000	0.0000	-4.505	7.806	9.999

Joint Support Reactions for Load Case "W+I 0 deg":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
RohnJP	-12.68	0.0	-0.31	0.0	271.39	0.0	0.0	271.69	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	-22.47	0.0	-0.01	0.0	389.92	0.0	0.0	390.57	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	-9.36	0.0	-10.77	0.0	-102.76	0.0	0.0	103.75	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	-8.80	0.0	11.09	0.0	-103.00	0.0	0.0	103.97	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	-19.29	0.0	-21.75	0.0	-167.39	0.0	0.0	169.90	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	-19.27	0.0	21.75	0.0	-167.64	0.0	0.0	170.14	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "W+I 0 deg":

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	1.8823	0.0000	-0.7199	-1.8824	0.0000	0.7199	1.4432	0.0060	-0.1464
RohnBP	1.0064	0.0000	-0.7659	-1.0064	0.0000	0.7659	1.1699	0.0062	-0.1455
RohnCP	0.9163	0.0000	-0.8907	-0.9163	0.0000	0.8907	0.9055	0.0051	-0.1405
RohnDP	1.5019	0.0000	-1.6173	-1.5019	0.0000	1.6173	0.6623	0.0041	-0.1305
RohnEP	0.7195	0.0000	-0.9422	-0.7195	0.0000	0.9422	0.4554	0.0032	-0.1126
RohnFP	0.9047	0.0000	-1.3026	-0.9047	0.0000	1.3026	0.2906	0.0025	-0.0945
RohnGP	0.9218	0.0000	-1.6057	-0.9218	0.0000	1.6057	0.1628	0.0019	-0.0739
RohnHP	0.8439	0.0000	-1.7244	-0.8439	0.0000	1.7244	0.0713	0.0012	-0.0517
RohnIP	0.8295	0.0000	-1.8423	-0.8295	0.0000	1.8423	0.0163	0.0006	-0.0254
RohnJP	0.4229	0.0000	-0.9588	12.2590	0.3128	-270.4323	0.0000	0.0000	0.0000
SNB-AP	0.1945	0.0000	-0.2575	-0.1945	0.0000	0.2575	1.4442	-0.0014	-0.1142
SNB-BP	0.4382	0.0000	-0.5363	-0.4382	0.0000	0.5363	1.1710	-0.0010	-0.1142
SNB-CP	0.5944	0.0000	-0.6503	-0.5944	0.0000	0.6503	0.9065	-0.0007	-0.1119
SNB-DP	0.7061	0.0000	-0.7774	-0.7061	-0.0000	0.7774	0.6633	-0.0005	-0.1053
SNB-EP	0.7195	0.0000	-0.9422	-0.7195	-0.0000	0.9422	0.4562	-0.0003	-0.0918
SNB-FP	0.8210	0.0000	-1.2811	-0.8210	-0.0000	1.2811	0.2915	-0.0001	-0.0796
SNB-GP	0.8942	0.0000	-1.5857	-0.8942	-0.0000	1.5857	0.1636	-0.0001	-0.0630
SNB-HP	0.8439	0.0000	-1.7244	-0.8439	-0.0000	1.7244	0.0721	-0.0000	-0.0448
SNB-IP	0.8295	0.0000	-1.8423	-0.8295	-0.0000	1.8423	0.0171	0.0000	-0.0226
SNB-JP	0.4229	0.0000	-0.9588	22.0451	0.0142	-388.9644	0.0000	0.0000	0.0000
RohnA1	1.5655	0.0000	-0.7245	-1.5655	0.0000	0.7245	1.4529	-0.0038	-0.0589
RohnA2	1.6481	0.0000	-0.6973	-1.6481	-0.0000	0.6973	1.4402	-0.0065	-0.0586
RohnB1	0.7497	0.0000	-0.7011	-0.7497	0.0000	0.7011	1.1799	-0.0030	-0.0444
RohnB2	0.5112	0.0000	-0.6313	-0.5112	-0.0000	0.6313	1.1675	-0.0064	-0.0441
RohnC1	0.8321	0.0000	-0.7207	-0.8321	0.0000	0.7207	0.9150	-0.0018	-0.0316
RohnC2	0.8882	0.0000	-0.8807	-0.8882	-0.0000	0.8807	0.9050	-0.0054	-0.0314
RohnD1	1.5019	0.0000	-1.6173	-1.5019	0.0000	1.6173	0.6704	-0.0003	-0.0213
RohnD2	1.5019	0.0000	-1.6173	-1.5019	-0.0000	1.6173	0.6625	-0.0052	-0.0211
RohnE1	0.7195	0.0000	-0.9422	-0.7195	0.0000	0.9422	0.4628	0.0007	-0.0148
RohnE2	0.7195	0.0000	-0.9422	-0.7195	-0.0000	0.9422	0.4567	-0.0048	-0.0146
RohnF1	1.0005	0.0000	-1.3521	-1.0005	0.0000	1.3521	0.2978	0.0014	-0.0092
RohnF2	0.9047	0.0000	-1.3026	-0.9047	-0.0000	1.3026	0.2932	-0.0045	-0.0091
RohnG1	0.8942	0.0000	-1.5857	-0.8942	0.0000	1.5857	0.1702	0.0018	-0.0053
RohnG2	0.8942	0.0000	-1.5857	-0.8942	-0.0000	1.5857	0.1668	-0.0039	-0.0052
RohnH1	0.8439	0.0000	-1.7244	-0.8439	0.0000	1.7244	0.0783	0.0025	-0.0024
RohnH2	0.8439	0.0000	-1.7244	-0.8439	-0.0000	1.7244	0.0761	-0.0039	-0.0024
RohnI1	0.8295	0.0000	-1.8423	-0.8295	0.0000	1.8423	0.0228	0.0026	-0.0014
RohnI2	0.8527	0.0000	-1.8623	-0.8527	-0.0000	1.8623	0.0218	-0.0032	-0.0014
RohnJ1	0.4229	0.0000	-0.9588	8.9327	10.7661	103.7188	0.0000	0.0000	0.0000
RohnJ2	0.4229	0.0000	-0.9588	8.3783	-11.0897	103.9557	0.0000	0.0000	0.0000
SNB-A1	0.1945	0.0000	-0.2575	-0.1945	-0.0000	0.2575	1.4459	-0.0007	-0.0665
SNB-A2	0.1945	0.0000	-0.2575	-0.1945	0.0000	0.2575	1.4459	-0.0023	-0.0664
SNB-B1	0.4382	0.0000	-0.5363	-0.4383	-0.0000	0.5363	1.1733	-0.0001	-0.0518
SNB-B2	0.4382	0.0000	-0.5363	-0.4383	0.0000	0.5363	1.1732	-0.0022	-0.0517
SNB-C1	0.5944	0.0000	-0.6503	-0.5944	-0.0000	0.6503	0.9093	0.0006	-0.0383
SNB-C2	0.5944	0.0000	-0.6503	-0.5944	0.0000	0.6503	0.9092	-0.0021	-0.0382
SNB-D1	0.7061	0.0000	-0.7774	-0.7061	-0.0000	0.7774	0.6664	0.0011	-0.0271
SNB-D2	0.7061	0.0000	-0.7774	-0.7061	0.0000	0.7774	0.6663	-0.0021	-0.0270
SNB-E1	0.7195	0.0000	-0.9422	-0.7195	-0.0000	0.9422	0.4596	0.0016	-0.0197
SNB-E2	0.7195	0.0000	-0.9422	-0.7195	0.0000	0.9422	0.4596	-0.0022	-0.0196
SNB-F1	0.8210	0.0000	-1.2811	-0.8210	-0.0000	1.2811	0.2953	0.0020	-0.0124
SNB-F2	0.8210	0.0000	-1.2811	-0.8210	0.0000	1.2811	0.2953	-0.0023	-0.0123
SNB-G1	0.8942	0.0000	-1.5857	-0.8942	-0.0000	1.5857	0.1678	0.0023	-0.0074
SNB-G2	0.8942	0.0000	-1.5857	-0.8942	0.0000	1.5857	0.1678	-0.0025	-0.0074
SNB-H1	0.8439	0.0000	-1.7244	-0.8439	-0.0000	1.7244	0.0767	0.0026	-0.0035

SNB-H2	0.8439	0.0000	-1.7244	-0.8439	0.0000	1.7244	0.0767	-0.0026	-0.0035
SNB-I1	0.8295	0.0000	-1.8423	-0.8295	-0.0000	1.8423	0.0214	0.0025	-0.0016
SNB-I2	0.8295	0.0000	-1.8423	-0.8295	0.0000	1.8423	0.0214	-0.0025	-0.0016
SNB-J1	0.4229	0.0000	-0.9588	18.8670	21.7471	168.3504	0.0000	0.0000	0.0000
SNB-J2	0.4229	0.0000	-0.9588	18.8486	-21.7506	168.6008	0.0000	0.0000	0.0000
RohnAaS	0.2686	0.0000	-0.2802	-0.2686	0.0000	0.2802	1.3746	0.0061	-0.1466
RohnAbS	0.9366	0.0000	-0.4575	-0.9366	0.0000	0.4575	1.3062	0.0067	-0.1465
RohnAcS	0.1945	0.0000	-0.2575	-0.1945	0.0000	0.2575	1.2378	0.0062	-0.1461
RohnBaS	0.2437	0.0000	-0.2788	-0.2438	0.0000	0.2788	1.1029	0.0058	-0.1448
RohnBbS	1.9025	0.0000	-1.2538	-1.9025	0.0000	1.2538	1.0358	0.0055	-0.1438
RohnBcS	0.2437	0.0000	-0.2788	-0.2438	0.0000	0.2788	0.9702	0.0051	-0.1424
RohnCaS	1.9306	0.0000	-1.0682	-1.9307	0.0000	1.0682	0.8221	0.0047	-0.1379
RohnCbS	0.3507	0.0000	-0.3714	-0.3507	0.0000	0.3714	0.7407	0.0045	-0.1346
RohnDaS	0.3554	0.0000	-0.4060	-0.3554	0.0000	0.4060	0.5890	0.0038	-0.1254
RohnDbS	0.3554	0.0000	-0.4060	-0.3554	0.0000	0.4060	0.5199	0.0036	-0.1194
RohnEaS	0.3641	0.0000	-0.5363	-0.3641	0.0000	0.5363	0.3972	0.0030	-0.1071
RohnEbS	0.3641	0.0000	-0.5363	-0.3641	0.0000	0.5363	0.3422	0.0028	-0.1011
RohnFaS	0.4569	0.0000	-0.7448	-0.4569	0.0000	0.7448	0.2239	0.0022	-0.0848
RohnGaS	0.4373	0.0000	-0.8409	-0.4373	0.0000	0.8409	0.1144	0.0016	-0.0632
RohnHaS	0.4065	0.0000	-0.8835	-0.4065	0.0000	0.8835	0.0406	0.0009	-0.0390
RohnIaS	0.4229	0.0000	-0.9588	-0.4229	0.0000	0.9588	0.0012	0.0003	-0.0133
SNB-AaS	0.1945	0.0000	-0.2575	-0.1945	0.0000	0.2575	1.3756	-0.0014	-0.1145
SNB-AbS	0.1945	0.0000	-0.2575	-0.1945	0.0000	0.2575	1.3073	-0.0011	-0.1146
SNB-AcS	0.1945	0.0000	-0.2575	-0.1945	0.0000	0.2575	1.2389	-0.0012	-0.1145
SNB-BaS	0.2437	0.0000	-0.2788	-0.2437	0.0000	0.2788	1.1039	-0.0009	-0.1140
SNB-BbS	0.2437	0.0000	-0.2788	-0.2437	0.0000	0.2788	1.0368	-0.0008	-0.1135
SNB-BcS	0.2437	0.0000	-0.2788	-0.2437	0.0000	0.2788	0.9712	-0.0008	-0.1128
SNB-CaS	0.3507	0.0000	-0.3714	-0.3506	0.0000	0.3714	0.8231	-0.0006	-0.1103
SNB-CbS	0.3507	0.0000	-0.3714	-0.3506	0.0000	0.3714	0.7417	-0.0005	-0.1081
SNB-DaS	0.3554	0.0000	-0.4060	-0.3554	-0.0000	0.4060	0.5900	-0.0004	-0.1016
SNB-DbS	0.3554	0.0000	-0.4060	-0.3554	-0.0000	0.4060	0.5208	-0.0003	-0.0970
SNB-EaS	0.3641	0.0000	-0.5363	-0.3641	-0.0000	0.5363	0.3980	-0.0002	-0.0882
SNB-EbS	0.3641	0.0000	-0.5363	-0.3641	-0.0000	0.5363	0.3431	-0.0002	-0.0841
SNB-FaS	0.4569	0.0000	-0.7448	-0.4569	-0.0000	0.7448	0.2247	-0.0001	-0.0718
SNB-GaS	0.4373	0.0000	-0.8409	-0.4373	-0.0000	0.8409	0.1152	-0.0000	-0.0544
SNB-HaS	0.4065	0.0000	-0.8835	-0.4065	-0.0000	0.8835	0.0414	-0.0000	-0.0342
SNB-IaS	0.4229	0.0000	-0.9588	-0.4229	-0.0000	0.9588	0.0020	0.0000	-0.0121
RohnAa1	1.2795	0.0000	-0.4775	-1.2795	0.0000	0.4775	1.3851	-0.0039	-0.0552
RohnAa2	0.2686	0.0000	-0.2802	-0.2686	-0.0000	0.2802	1.3713	-0.0067	-0.0548
RohnAb1	0.2687	0.0000	-0.2975	-0.2687	0.0000	0.2975	1.3159	-0.0035	-0.0515
RohnAb2	0.1945	0.0000	-0.2575	-0.1945	-0.0000	0.2575	1.3027	-0.0068	-0.0511
RohnAc1	0.9450	0.0000	-0.3875	-0.9450	0.0000	0.3875	1.2482	-0.0034	-0.0479
RohnAc2	0.1945	0.0000	-0.2575	-0.1945	-0.0000	0.2575	1.2347	-0.0067	-0.0475
RohnBa1	0.2437	0.0000	-0.2788	-0.2437	0.0000	0.2788	1.1117	-0.0022	-0.0410
RohnBa2	0.2437	0.0000	-0.2788	-0.2437	-0.0000	0.2788	1.0999	-0.0066	-0.0407
RohnBb1	1.8570	0.0000	-1.2338	-1.8570	0.0000	1.2338	1.0464	-0.0029	-0.0377
RohnBb2	1.8570	0.0000	-1.2338	-1.8570	-0.0000	1.2338	1.0354	-0.0053	-0.0374
RohnBc1	0.2969	0.0000	-0.3538	-0.2969	0.0000	0.3538	0.9779	-0.0011	-0.0345
RohnBc2	0.2437	0.0000	-0.2788	-0.2437	-0.0000	0.2788	0.9676	-0.0065	-0.0343
RohnCa1	2.1363	0.0000	-1.1156	-2.1363	0.0000	1.1156	0.8309	-0.0013	-0.0278
RohnCa2	1.9306	0.0000	-1.0682	-1.9306	-0.0000	1.0682	0.8214	-0.0055	-0.0276
RohnCb1	0.3507	0.0000	-0.3714	-0.3507	0.0000	0.3714	0.7480	-0.0002	-0.0244
RohnCb2	0.3507	0.0000	-0.3714	-0.3507	-0.0000	0.3714	0.7393	-0.0059	-0.0241
RohnDa1	0.4843	0.0000	-0.6510	-0.4843	0.0000	0.6510	0.5960	0.0004	-0.0187
RohnDa2	0.3554	0.0000	-0.4060	-0.3554	-0.0000	0.4060	0.5886	-0.0055	-0.0184
RohnDb1	0.4041	0.0000	-0.4810	-0.4041	0.0000	0.4810	0.5262	0.0009	-0.0165
RohnDb2	0.3554	0.0000	-0.4060	-0.3554	-0.0000	0.4060	0.5194	-0.0055	-0.0163
RohnEa1	0.3641	0.0000	-0.5363	-0.3641	0.0000	0.5363	0.4036	0.0013	-0.0126
RohnEa2	0.3641	0.0000	-0.5363	-0.3641	-0.0000	0.5363	0.3980	-0.0051	-0.0125
RohnEb1	0.4100	0.0000	-0.6113	-0.4100	0.0000	0.6113	0.3482	0.0018	-0.0108
RohnEb2	0.3641	0.0000	-0.5363	-0.3641	-0.0000	0.5363	0.3431	-0.0052	-0.0106
RohnFa1	0.4569	0.0000	-0.7448	-0.4569	0.0000	0.7448	0.2263	0.0039	-0.0069
RohnFa2	0.4569	0.0000	-0.7448	-0.4569	-0.0000	0.7448	0.2223	-0.0064	-0.0068
RohnGa1	0.4373	0.0000	-0.8409	-0.4373	0.0000	0.8409	0.1167	0.0046	-0.0036
RohnGa2	0.4373	0.0000	-0.8409	-0.4373	-0.0000	0.8409	0.1140	-0.0063	-0.0036
RohnHa1	0.4065	0.0000	-0.8835	-0.4065	0.0000	0.8835	0.0427	0.0055	-0.0017
RohnHa2	0.4065	0.0000	-0.8835	-0.4065	-0.0000	0.8835	0.0411	-0.0065	-0.0017
RohnIa1	0.4229	0.0000	-0.9588	-0.4229	0.0000	0.9588	0.0071	0.0073	-0.0009
RohnIa2	0.4229	0.0000	-0.9588	-0.4229	-0.0000	0.9588	0.0066	-0.0076	-0.0009
SNB-Aa1	0.1945	0.0000	-0.2575	-0.1945	-0.0000	0.2575	1.3776	-0.0005	-0.0627
SNB-Aa2	0.1945	0.0000	-0.2575	-0.1945	0.0000	0.2575	1.3774	-0.0023	-0.0626
SNB-Ab1	0.1945	0.0000	-0.2575	-0.1945	-0.0000	0.2575	1.3090	-0.0004	-0.0590
SNB-Ab2	0.1945	0.0000	-0.2575	-0.1945	0.0000	0.2575	1.3090	-0.0022	-0.0589
SNB-Ac1	0.1945	0.0000	-0.2575	-0.1945	-0.0000	0.2575	1.2408	-0.0000	-0.0554
SNB-Ac2	0.1945	0.0000	-0.2575	-0.1945	0.0000	0.2575	1.2406	-0.0023	-0.0553
SNB-Ba1	0.2437	0.0000	-0.2788	-0.2437	-0.0000	0.2788	1.1057	0.0003	-0.0483
SNB-Ba2	0.2437	0.0000	-0.2788	-0.2437	0.0000	0.2788	1.1056	-0.0024	-0.0482
SNB-Bb1	0.2437	0.0000	-0.2788	-0.2437	-0.0000	0.2788	1.0394	0.0003	-0.0449
SNB-Bb2	0.2437	0.0000	-0.2788	-0.2437	0.0000	0.2788	1.0393	-0.0021	-0.0448
SNB-Bc1	0.2437	0.0000	-0.2788	-0.2437	-0.0000	0.2788	0.9733	0.0006	-0.0415
SNB-Bc2	0.2437	0.0000	-0.2788	-0.2437	0.0000	0.2788	0.9732	-0.0023	-0.0414

SNB-Ca1	0.3507	0.0000	-0.3714	-0.3507	-0.0000	0.3714	0.8249	0.0012	-0.0343
SNB-Ca2	0.3507	0.0000	-0.3714	-0.3507	0.0000	0.3714	0.8248	-0.0025	-0.0342
SNB-Cb1	0.3507	0.0000	-0.3714	-0.3507	-0.0000	0.3714	0.7433	0.0015	-0.0305
SNB-Cb2	0.3507	0.0000	-0.3714	-0.3507	0.0000	0.3714	0.7432	-0.0027	-0.0304
SNB-Da1	0.3554	0.0000	-0.4060	-0.3554	-0.0000	0.4060	0.5916	0.0020	-0.0242
SNB-Da2	0.3554	0.0000	-0.4060	-0.3554	0.0000	0.4060	0.5915	-0.0029	-0.0241
SNB-Db1	0.3554	0.0000	-0.4060	-0.3554	-0.0000	0.4060	0.5220	0.0024	-0.0217
SNB-Db2	0.3554	0.0000	-0.4060	-0.3554	0.0000	0.4060	0.5220	-0.0031	-0.0216
SNB-Ea1	0.3641	0.0000	-0.5363	-0.3641	-0.0000	0.5363	0.4006	0.0021	-0.0170
SNB-Ea2	0.3641	0.0000	-0.5363	-0.3641	0.0000	0.5363	0.4006	-0.0027	-0.0169
SNB-Eb1	0.3641	0.0000	-0.5363	-0.3641	-0.0000	0.5363	0.3454	0.0025	-0.0145
SNB-Eb2	0.3641	0.0000	-0.5363	-0.3641	0.0000	0.5363	0.3454	-0.0029	-0.0145
SNB-Fa1	0.4569	0.0000	-0.7448	-0.4569	-0.0000	0.7448	0.2236	0.0045	-0.0096
SNB-Fa2	0.4569	0.0000	-0.7448	-0.4569	0.0000	0.7448	0.2236	-0.0048	-0.0096
SNB-Ga1	0.4373	0.0000	-0.8409	-0.4373	-0.0000	0.8409	0.1149	0.0047	-0.0052
SNB-Ga2	0.4373	0.0000	-0.8409	-0.4373	0.0000	0.8409	0.1149	-0.0049	-0.0052
SNB-Ha1	0.4065	0.0000	-0.8835	-0.4065	-0.0000	0.8835	0.0413	0.0054	-0.0024
SNB-Ha2	0.4065	0.0000	-0.8835	-0.4065	0.0000	0.8835	0.0413	-0.0055	-0.0024
SNB-Ia1	0.4229	0.0000	-0.9588	-0.4229	-0.0000	0.9588	0.0060	0.0070	-0.0010
SNB-Ia2	0.4229	0.0000	-0.9588	-0.4229	0.0000	0.9588	0.0060	-0.0070	-0.0010

*** Analysis Results for Load Case No. 4 "W+I 60 deg" - Number of iterations in SAPS 12

Equilibrium Joint Positions and Rotations for Load Case "W+I 60 deg":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	0.666	1.16	-0.1141	0.0000	0.0000	0.0000	4.999	1.16	179.9
RohnBP	0.5388	0.9409	-0.1086	0.0000	0.0000	0.0000	5.66	0.9409	159.9
RohnCP	0.416	0.7281	-0.101	0.0000	0.0000	0.0000	6.325	0.7281	139.9
RohnDP	0.3032	0.5316	-0.09097	0.0000	0.0000	0.0000	6.998	0.5316	119.9
RohnEP	0.2074	0.3657	-0.07725	0.0000	0.0000	0.0000	7.688	0.3657	99.92
RohnFP	0.1314	0.2343	-0.06369	0.0000	0.0000	0.0000	8.399	0.2343	79.94
RohnGP	0.07246	0.1332	-0.04912	0.0000	0.0000	0.0000	9.127	0.1332	59.95
RohnHP	0.03042	0.06032	-0.03388	0.0000	0.0000	0.0000	9.871	0.06032	39.97
RohnIP	0.005407	0.01671	-0.01675	0.0000	0.0000	0.0000	10.64	0.01671	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.6669	1.155	-0.09607	0.0000	0.0000	0.0000	3	1.155	179.9
SNB-BP	0.5397	0.9359	-0.0911	0.0000	0.0000	0.0000	3.661	0.9359	159.9
SNB-CP	0.4168	0.7239	-0.08498	0.0000	0.0000	0.0000	4.325	0.7239	139.9
SNB-DP	0.304	0.5292	-0.07691	0.0000	0.0000	0.0000	4.999	0.5292	119.9
SNB-EP	0.2082	0.3639	-0.06562	0.0000	0.0000	0.0000	5.689	0.3639	99.93
SNB-FP	0.1322	0.233	-0.05525	0.0000	0.0000	0.0000	6.4	0.233	79.94
SNB-GP	0.07325	0.1316	-0.04291	0.0000	0.0000	0.0000	7.128	0.1316	59.96
SNB-HP	0.03121	0.05932	-0.02989	0.0000	0.0000	0.0000	7.872	0.05932	39.97
SNB-IP	0.006188	0.01573	-0.015	0.0000	0.0000	0.0000	8.634	0.01573	19.98
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.6731	1.154	-0.03264	0.0000	0.0000	0.0000	-1.493	-2.598	180
RohnA2	0.6645	1.151	-0.1139	0.0000	0.0000	0.0000	-1.502	4.904	179.9
RohnB1	0.5463	0.9355	-0.01462	0.0000	0.0000	0.0000	-2.014	-3.499	160
RohnB2	0.5378	0.9316	-0.1084	0.0000	0.0000	0.0000	-2.023	5.367	159.9
RohnC1	0.423	0.7244	2.64e-005	0.0000	0.0000	0.0000	-2.532	-4.393	140
RohnC2	0.4166	0.7202	-0.1008	0.0000	0.0000	0.0000	-2.538	5.838	139.9
RohnD1	0.3097	0.5305	0.01006	0.0000	0.0000	0.0000	-3.038	-5.268	120
RohnD2	0.3043	0.5254	-0.09086	0.0000	0.0000	0.0000	-3.043	6.323	119.9
RohnE1	0.2138	0.3658	0.01307	0.0000	0.0000	0.0000	-3.527	-6.113	100
RohnE2	0.2095	0.3602	-0.07717	0.0000	0.0000	0.0000	-3.531	6.839	99.92
RohnF1	0.1377	0.2352	0.01481	0.0000	0.0000	0.0000	-3.996	-6.925	80.01
RohnF2	0.1346	0.2293	-0.06364	0.0000	0.0000	0.0000	-3.999	7.39	79.94
RohnG1	0.07882	0.1342	0.01393	0.0000	0.0000	0.0000	-4.449	-7.708	60.01
RohnG2	0.07719	0.1282	-0.04909	0.0000	0.0000	0.0000	-4.45	7.97	59.95
RohnH1	0.03678	0.06223	0.01128	0.0000	0.0000	0.0000	-4.884	-8.46	40.01
RohnH2	0.03578	0.05577	-0.03386	0.0000	0.0000	0.0000	-4.885	8.578	39.97
RohnI1	0.01123	0.01871	0.005247	0.0000	0.0000	0.0000	-5.304	-9.187	20.01
RohnI2	0.01115	0.01268	-0.01674	0.0000	0.0000	0.0000	-5.304	9.219	19.98
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	0.6684	1.156	-0.0517	0.0000	0.0000	0.0000	-0.4981	-0.8644	179.9
SNB-A2	0.6682	1.154	-0.09601	0.0000	0.0000	0.0000	-0.4983	3.175	179.9
SNB-B1	0.5417	0.9372	-0.03315	0.0000	0.0000	0.0000	-1.019	-1.766	160
SNB-B2	0.5415	0.9348	-0.09104	0.0000	0.0000	0.0000	-1.019	3.638	159.9
SNB-C1	0.4193	0.7256	-0.01681	0.0000	0.0000	0.0000	-1.535	-2.659	140
SNB-C2	0.419	0.7226	-0.08492	0.0000	0.0000	0.0000	-1.535	4.107	139.9
SNB-D1	0.3069	0.5312	-0.004582	0.0000	0.0000	0.0000	-2.041	-3.535	120
SNB-D2	0.3066	0.5277	-0.07687	0.0000	0.0000	0.0000	-2.041	4.594	119.9
SNB-E1	0.2115	0.3661	0.0008267	0.0000	0.0000	0.0000	-2.529	-4.381	100
SNB-E2	0.2112	0.3621	-0.06559	0.0000	0.0000	0.0000	-2.529	5.109	99.93
SNB-F1	0.1359	0.2353	0.006557	0.0000	0.0000	0.0000	-2.998	-5.193	80.01
SNB-F2	0.1358	0.2309	-0.05523	0.0000	0.0000	0.0000	-2.998	5.659	79.94
SNB-G1	0.07744	0.1341	0.008135	0.0000	0.0000	0.0000	-3.45	-5.976	60.01
SNB-G2	0.07738	0.1292	-0.04289	0.0000	0.0000	0.0000	-3.45	6.239	59.96
SNB-H1	0.03576	0.06191	0.007931	0.0000	0.0000	0.0000	-3.885	-6.729	40.01
SNB-H2	0.03577	0.05667	-0.02988	0.0000	0.0000	0.0000	-3.885	6.847	39.97
SNB-I1	0.01052	0.01821	0.004124	0.0000	0.0000	0.0000	-4.303	-7.454	20
SNB-I2	0.01052	0.01322	-0.015	0.0000	0.0000	0.0000	-4.303	7.485	19.99
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	0.6341	1.105	-0.1129	0.0000	0.0000	0.0000	5.164	1.105	174.9
RohnAbS	0.6023	1.051	-0.1116	0.0000	0.0000	0.0000	5.329	1.051	169.9
RohnAcS	0.5704	0.9947	-0.1102	0.0000	0.0000	0.0000	5.494	0.9947	164.9
RohnBaS	0.5077	0.8855	-0.1069	0.0000	0.0000	0.0000	5.826	0.8855	154.9
RohnBbS	0.4765	0.8339	-0.1052	0.0000	0.0000	0.0000	5.991	0.8339	149.9
RohnBcS	0.4461	0.7778	-0.1032	0.0000	0.0000	0.0000	6.158	0.7778	144.9
RohnCaS	0.3773	0.6602	-0.09802	0.0000	0.0000	0.0000	6.548	0.6602	133.2
RohnCbS	0.3396	0.5935	-0.09464	0.0000	0.0000	0.0000	6.773	0.5935	126.6
RohnDaS	0.2693	0.4718	-0.08678	0.0000	0.0000	0.0000	7.226	0.4718	113.3
RohnDbS	0.2373	0.416	-0.08217	0.0000	0.0000	0.0000	7.457	0.416	106.6
RohnEaS	0.1806	0.3183	-0.07297	0.0000	0.0000	0.0000	7.924	0.3183	93.27

RohnEbS	0.1552	0.274	-0.06844	0.0000	0.0000	0.0000	8.161	0.274	86.59
RohnFaS	0.1008	0.1762	-0.05662	0.0000	0.0000	0.0000	8.762	0.1762	69.94
RohnGaS	0.05043	0.08927	-0.04168	0.0000	0.0000	0.0000	9.498	0.08927	49.96
RohnHaS	0.01637	0.03048	-0.02552	0.0000	0.0000	0.0000	10.25	0.03048	29.97
RohnIaS	-0.002828	0.001923	-0.0088	0.0000	0.0000	0.0000	11.02	0.001923	9.991
SNB-AaS	0.635	1.1	-0.09494	0.0000	0.0000	0.0000	3.165	1.1	174.9
SNB-AbS	0.6031	1.045	-0.09376	0.0000	0.0000	0.0000	3.33	1.045	169.9
SNB-AcS	0.5713	0.9898	-0.09247	0.0000	0.0000	0.0000	3.495	0.9898	164.9
SNB-BaS	0.5086	0.8814	-0.08971	0.0000	0.0000	0.0000	3.826	0.8814	154.9
SNB-BbS	0.4773	0.8285	-0.08824	0.0000	0.0000	0.0000	3.992	0.8285	149.9
SNB-BcS	0.4469	0.7752	-0.08665	0.0000	0.0000	0.0000	4.158	0.7752	144.9
SNB-CaS	0.3781	0.656	-0.08255	0.0000	0.0000	0.0000	4.548	0.656	133.3
SNB-CbS	0.3404	0.5905	-0.07984	0.0000	0.0000	0.0000	4.773	0.5905	126.6
SNB-DaS	0.2701	0.469	-0.07349	0.0000	0.0000	0.0000	5.227	0.469	113.3
SNB-DbS	0.2381	0.4133	-0.06969	0.0000	0.0000	0.0000	5.457	0.4133	106.6
SNB-EaS	0.1814	0.3167	-0.06239	0.0000	0.0000	0.0000	5.924	0.3167	93.28
SNB-EbS	0.156	0.2725	-0.0589	0.0000	0.0000	0.0000	6.162	0.2725	86.6
SNB-FaS	0.1016	0.1747	-0.04925	0.0000	0.0000	0.0000	6.763	0.1747	69.95
SNB-GaS	0.05121	0.08839	-0.03657	0.0000	0.0000	0.0000	7.499	0.08839	49.96
SNB-HaS	0.01715	0.02989	-0.02268	0.0000	0.0000	0.0000	8.252	0.02989	29.98
SNB-IaS	-0.002047	0.00141	-0.008048	0.0000	0.0000	0.0000	9.019	0.00141	9.992
RohnAa1	0.6417	1.089	-0.02786	0.0000	0.0000	0.0000	-1.623	-2.824	175
RohnAa2	0.632	1.096	-0.1127	0.0000	0.0000	0.0000	-1.633	5.019	174.9
RohnAb1	0.6095	1.044	-0.02321	0.0000	0.0000	0.0000	-1.754	-3.049	170
RohnAb2	0.6007	1.041	-0.1114	0.0000	0.0000	0.0000	-1.763	5.135	169.9
RohnAc1	0.5782	0.9898	-0.01881	0.0000	0.0000	0.0000	-1.884	-3.274	165
RohnAc2	0.5684	0.9858	-0.1099	0.0000	0.0000	0.0000	-1.894	5.25	164.9
RohnBa1	0.515	0.8819	-0.01055	0.0000	0.0000	0.0000	-2.144	-3.724	155
RohnBa2	0.5059	0.8774	-0.1067	0.0000	0.0000	0.0000	-2.153	5.483	154.9
RohnBb1	0.4837	0.8285	-0.006686	0.0000	0.0000	0.0000	-2.274	-3.948	150
RohnBb2	0.4773	0.8249	-0.105	0.0000	0.0000	0.0000	-2.28	5.601	149.9
RohnBc1	0.453	0.776	-0.003113	0.0000	0.0000	0.0000	-2.403	-4.171	145
RohnBc2	0.4445	0.771	-0.103	0.0000	0.0000	0.0000	-2.411	5.718	144.9
RohnCa1	0.384	0.6577	0.004048	0.0000	0.0000	0.0000	-2.701	-4.686	133.3
RohnCa2	0.3777	0.6531	-0.09788	0.0000	0.0000	0.0000	-2.708	5.997	133.2
RohnCb1	0.3461	0.5928	0.007419	0.0000	0.0000	0.0000	-2.871	-4.979	126.7
RohnCb2	0.3392	0.5875	-0.09451	0.0000	0.0000	0.0000	-2.877	6.159	126.6
RohnDa1	0.2756	0.4719	0.01188	0.0000	0.0000	0.0000	-3.203	-5.553	113.4
RohnDa2	0.2698	0.4664	-0.08668	0.0000	0.0000	0.0000	-3.209	6.491	113.3
RohnDb1	0.2435	0.4168	0.01286	0.0000	0.0000	0.0000	-3.366	-5.835	106.7
RohnDb2	0.2378	0.411	-0.08208	0.0000	0.0000	0.0000	-3.372	6.663	106.6
RohnEa1	0.1868	0.3195	0.01415	0.0000	0.0000	0.0000	-3.685	-6.386	93.35
RohnEa2	0.1822	0.3135	-0.07291	0.0000	0.0000	0.0000	-3.689	7.019	93.27
RohnEb1	0.1614	0.2759	0.01472	0.0000	0.0000	0.0000	-3.842	-6.657	86.67
RohnEb2	0.1568	0.2696	-0.06838	0.0000	0.0000	0.0000	-3.846	7.203	86.59
RohnFa1	0.1066	0.1819	0.01489	0.0000	0.0000	0.0000	-4.224	-7.319	70.01
RohnFa2	0.09994	0.174	-0.05658	0.0000	0.0000	0.0000	-4.231	7.675	69.94
RohnGa1	0.05637	0.09572	0.013	0.0000	0.0000	0.0000	-4.668	-8.086	50.01
RohnGa2	0.0505	0.08734	-0.04165	0.0000	0.0000	0.0000	-4.674	8.27	49.96
RohnHa1	0.0227	0.03822	0.008599	0.0000	0.0000	0.0000	-5.095	-8.826	30.01
RohnHa2	0.01727	0.02886	-0.02551	0.0000	0.0000	0.0000	-5.1	8.893	29.97
RohnIa1	0.006591	0.01106	0.002567	0.0000	0.0000	0.0000	-5.506	-9.537	10
RohnIa2	0.002763	-0.001672	-0.008797	0.0000	0.0000	0.0000	-5.51	9.546	9.991
SNB-Aa1	0.6367	1.101	-0.0469	0.0000	0.0000	0.0000	-0.6283	-1.09	175
SNB-Aa2	0.6362	1.099	-0.09488	0.0000	0.0000	0.0000	-0.6288	3.29	174.9
SNB-Ab1	0.6047	1.046	-0.04212	0.0000	0.0000	0.0000	-0.7588	-1.316	170
SNB-Ab2	0.6048	1.044	-0.0937	0.0000	0.0000	0.0000	-0.7587	3.406	169.9
SNB-Ac1	0.5733	0.9917	-0.03754	0.0000	0.0000	0.0000	-0.8887	-1.541	165
SNB-Ac2	0.5725	0.9891	-0.09241	0.0000	0.0000	0.0000	-0.8895	3.521	164.9
SNB-Ba1	0.5106	0.8834	-0.02878	0.0000	0.0000	0.0000	-1.148	-1.99	155
SNB-Ba2	0.5098	0.8807	-0.08964	0.0000	0.0000	0.0000	-1.149	3.754	154.9
SNB-Bb1	0.4796	0.8298	-0.02456	0.0000	0.0000	0.0000	-1.278	-2.214	150
SNB-Bb2	0.4795	0.8271	-0.08818	0.0000	0.0000	0.0000	-1.278	3.871	149.9
SNB-Bc1	0.4492	0.7772	-0.02058	0.0000	0.0000	0.0000	-1.406	-2.437	145
SNB-Bc2	0.4485	0.7743	-0.08659	0.0000	0.0000	0.0000	-1.407	3.988	144.9
SNB-Ca1	0.3807	0.6587	-0.01217	0.0000	0.0000	0.0000	-1.704	-2.953	133.3
SNB-Ca2	0.3795	0.6552	-0.0825	0.0000	0.0000	0.0000	-1.706	4.267	133.3
SNB-Cb1	0.343	0.5936	-0.008083	0.0000	0.0000	0.0000	-1.873	-3.245	126.7
SNB-Cb2	0.3416	0.5898	-0.07979	0.0000	0.0000	0.0000	-1.875	4.429	126.6
SNB-Da1	0.273	0.4725	-0.002001	0.0000	0.0000	0.0000	-2.205	-3.82	113.3
SNB-Da2	0.2714	0.4682	-0.07345	0.0000	0.0000	0.0000	-2.207	4.761	113.3
SNB-Db1	0.2411	0.4173	-0.0002222	0.0000	0.0000	0.0000	-2.369	-4.103	106.7
SNB-Db2	0.2391	0.4127	-0.06966	0.0000	0.0000	0.0000	-2.371	4.933	106.6
SNB-Ea1	0.1847	0.3197	0.003227	0.0000	0.0000	0.0000	-2.687	-4.654	93.34
SNB-Ea2	0.1837	0.3153	-0.06236	0.0000	0.0000	0.0000	-2.688	5.289	93.28
SNB-Eb1	0.1595	0.2761	0.005108	0.0000	0.0000	0.0000	-2.843	-4.925	86.67
SNB-Eb2	0.1581	0.2713	-0.05887	0.0000	0.0000	0.0000	-2.845	5.473	86.6
SNB-Fa1	0.1051	0.1819	0.007798	0.0000	0.0000	0.0000	-3.226	-5.587	70.01
SNB-Fa2	0.1005	0.1753	-0.04923	0.0000	0.0000	0.0000	-3.23	5.944	69.95
SNB-Ga1	0.05517	0.09551	0.008437	0.0000	0.0000	0.0000	-3.669	-6.355	50.01
SNB-Ga2	0.05096	0.08852	-0.03656	0.0000	0.0000	0.0000	-3.673	6.539	49.96

SNB-Ha1	0.02184	0.03782	0.006386	0.0000	0.0000	0.0000	-4.095	-7.093	30.01
SNB-Ha2	0.01731	0.02978	-0.02267	0.0000	0.0000	0.0000	-4.1	7.161	29.98
SNB-Ia1	0.006045	0.01047	0.002044	0.0000	0.0000	0.0000	-4.505	-7.802	10
SNB-Ia2	0.002241	-0.001071	-0.008046	0.0000	0.0000	0.0000	-4.509	7.812	9.992

Joint Support Reactions for Load Case "W+I 60 deg":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
RohnJP	-2.83	0.0	-2.39	0.0	135.76	0.0	0.0	135.81	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	-3.67	0.0	-5.35	0.0	187.32	0.0	0.0	187.43	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	-10.64	0.0	-18.05	0.0	-205.78	0.0	0.0	206.85	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	-0.33	0.0	-3.46	0.0	135.67	0.0	0.0	135.72	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	-20.90	0.0	-36.18	0.0	-319.68	0.0	0.0	322.40	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	-2.78	0.0	-5.85	0.0	187.23	0.0	0.0	187.34	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "W+I 60 deg":

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	0.9285	1.6082	-0.7199	-0.9285	-1.6082	0.7199	0.6660	1.1604	-0.1141
RohnBP	0.4743	0.8215	-0.7659	-0.4743	-0.8215	0.7659	0.5388	0.9409	-0.1086
RohnCP	0.4170	0.7223	-0.8907	-0.4170	-0.7223	0.8907	0.4160	0.7281	-0.1010
RohnDP	0.7017	1.2153	-1.6173	-0.7017	-1.2153	1.6173	0.3032	0.5316	-0.0910
RohnEP	0.3102	0.5373	-0.9422	-0.3102	-0.5373	0.9422	0.2074	0.3657	-0.0772
RohnFP	0.3954	0.6849	-1.3026	-0.3954	-0.6849	1.3026	0.1314	0.2343	-0.0637
RohnGP	0.3993	0.6916	-1.6057	-0.3993	-0.6916	1.6057	0.0725	0.1332	-0.0491
RohnHP	0.3640	0.6305	-1.7244	-0.3640	-0.6305	1.7244	0.0304	0.0603	-0.0339
RohnIP	0.3579	0.6199	-1.8423	-0.3579	-0.6199	1.8423	0.0054	0.0167	-0.0167
RohnJP	0.1827	0.3165	-0.9588	2.6475	2.0695	-134.8052	0.0000	0.0000	0.0000
SNB-AP	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.6669	1.1550	-0.0961
SNB-BP	0.1902	0.3295	-0.5363	-0.1902	-0.3295	0.5363	0.5397	0.9359	-0.0911
SNB-CP	0.2561	0.4435	-0.6503	-0.2561	-0.4435	0.6503	0.4168	0.7239	-0.0850
SNB-DP	0.3038	0.5262	-0.7774	-0.3038	-0.5262	0.7774	0.3040	0.5292	-0.0769
SNB-EP	0.3102	0.5373	-0.9422	-0.3102	-0.5373	0.9422	0.2082	0.3639	-0.0656
SNB-FP	0.3536	0.6124	-1.2811	-0.3536	-0.6124	1.2811	0.1322	0.2330	-0.0552
SNB-GP	0.3855	0.6677	-1.5857	-0.3855	-0.6677	1.5857	0.0732	0.1316	-0.0429
SNB-HP	0.3640	0.6305	-1.7244	-0.3640	-0.6305	1.7244	0.0312	0.0593	-0.0299
SNB-IP	0.3579	0.6199	-1.8423	-0.3579	-0.6199	1.8423	0.0062	0.0157	-0.0150
SNB-JP	0.1827	0.3165	-0.9588	3.4868	5.0292	-186.3624	0.0000	0.0000	0.0000
RohnA1	0.7701	1.3339	-0.7245	-0.7701	-1.3339	0.7245	0.6731	1.1543	-0.0326
RohnA2	0.8114	1.4054	-0.6973	-0.8114	-1.4054	0.6973	0.6645	1.1511	-0.1139
RohnB1	0.3459	0.5992	-0.7011	-0.3459	-0.5992	0.7011	0.5463	0.9355	-0.0146
RohnB2	0.2267	0.3926	-0.6313	-0.2267	-0.3926	0.6313	0.5378	0.9316	-0.1084
RohnC1	0.3749	0.6494	-0.7207	-0.3749	-0.6494	0.7207	0.4230	0.7244	0.0000
RohnC2	0.4030	0.6980	-0.8807	-0.4030	-0.6980	0.8807	0.4166	0.7202	-0.1008
RohnD1	0.7017	1.2153	-1.6173	-0.7017	-1.2153	1.6173	0.3097	0.5305	0.0101
RohnD2	0.7017	1.2153	-1.6173	-0.7017	-1.2153	1.6173	0.3043	0.5254	-0.0909
RohnE1	0.3102	0.5373	-0.9422	-0.3102	-0.5373	0.9422	0.2138	0.3658	0.0131
RohnE2	0.3102	0.5373	-0.9422	-0.3102	-0.5373	0.9422	0.2095	0.3602	-0.0772
RohnF1	0.4433	0.7678	-1.3521	-0.4433	-0.7678	1.3521	0.1377	0.2352	0.0148
RohnF2	0.3954	0.6849	-1.3026	-0.3954	-0.6849	1.3026	0.1346	0.2293	-0.0636
RohnG1	0.3855	0.6677	-1.5857	-0.3855	-0.6677	1.5857	0.0788	0.1342	0.0139
RohnG2	0.3855	0.6677	-1.5857	-0.3855	-0.6677	1.5857	0.0772	0.1282	-0.0491
RohnH1	0.3640	0.6305	-1.7244	-0.3640	-0.6305	1.7244	0.0368	0.0622	0.0113
RohnH2	0.3640	0.6305	-1.7244	-0.3640	-0.6305	1.7244	0.0358	0.0558	-0.0339
RohnI1	0.3579	0.6199	-1.8423	-0.3579	-0.6199	1.8423	0.0112	0.0187	0.0052
RohnI2	0.3695	0.6400	-1.8623	-0.3695	-0.6400	1.8623	0.0111	0.0127	-0.0167
RohnJ1	0.1827	0.3165	-0.9588	10.4552	17.7307	206.7412	0.0000	0.0000	0.0000
RohnJ2	0.1827	0.3165	-0.9588	0.1504	3.1478	-134.7150	0.0000	0.0000	0.0000
SNB-A1	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.6684	1.1560	-0.0517
SNB-A2	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.6682	1.1542	-0.0960
SNB-B1	0.1902	0.3295	-0.5363	-0.1902	-0.3295	0.5363	0.5417	0.9372	-0.0331
SNB-B2	0.1902	0.3295	-0.5363	-0.1902	-0.3294	0.5363	0.5415	0.9348	-0.0910
SNB-C1	0.2561	0.4435	-0.6503	-0.2561	-0.4435	0.6503	0.4193	0.7256	-0.0168
SNB-C2	0.2561	0.4435	-0.6503	-0.2561	-0.4435	0.6503	0.4190	0.7226	-0.0849
SNB-D1	0.3038	0.5262	-0.7774	-0.3038	-0.5262	0.7774	0.3069	0.5312	-0.0046
SNB-D2	0.3038	0.5262	-0.7774	-0.3038	-0.5262	0.7774	0.3066	0.5277	-0.0769
SNB-E1	0.3102	0.5373	-0.9422	-0.3102	-0.5373	0.9422	0.2115	0.3661	0.0008
SNB-E2	0.3102	0.5373	-0.9422	-0.3102	-0.5373	0.9422	0.2112	0.3621	-0.0656
SNB-F1	0.3536	0.6124	-1.2811	-0.3536	-0.6124	1.2811	0.1359	0.2353	0.0066
SNB-F2	0.3536	0.6124	-1.2811	-0.3536	-0.6124	1.2811	0.1358	0.2309	-0.0552
SNB-G1	0.3855	0.6677	-1.5857	-0.3855	-0.6677	1.5857	0.0774	0.1341	0.0081
SNB-G2	0.3855	0.6677	-1.5857	-0.3855	-0.6677	1.5857	0.0774	0.1292	-0.0429
SNB-H1	0.3640	0.6305	-1.7244	-0.3640	-0.6305	1.7244	0.0358	0.0619	0.0079

SNB-H2	0.3640	0.6305	-1.7244	-0.3640	-0.6305	1.7244	0.0358	0.0567	-0.0299
SNB-I1	0.3579	0.6199	-1.8423	-0.3579	-0.6199	1.8423	0.0105	0.0182	0.0041
SNB-I2	0.3579	0.6199	-1.8423	-0.3579	-0.6199	1.8423	0.0105	0.0132	-0.0150
SNB-J1	0.1827	0.3165	-0.9588	20.7135	35.8648	320.6411	0.0000	0.0000	0.0000
SNB-J2	0.1827	0.3165	-0.9588	2.5996	5.5319	-186.2707	0.0000	0.0000	0.0000
RohnAaS	0.1216	0.2107	-0.2802	-0.1216	-0.2107	0.2802	0.6341	1.1047	-0.1129
RohnAbS	0.4557	0.7892	-0.4575	-0.4557	-0.7892	0.4575	0.6023	1.0509	-0.1116
RohnAcS	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.5704	0.9947	-0.1102
RohnBaS	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.5077	0.8855	-0.1069
RohnBbS	0.9350	1.6194	-1.2538	-0.9350	-1.6194	1.2538	0.4765	0.8339	-0.1052
RohnBcS	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.4461	0.7778	-0.1032
RohnCaS	0.9405	1.6289	-1.0682	-0.9405	-1.6289	1.0682	0.3773	0.6602	-0.0980
RohnCbS	0.1505	0.2606	-0.3714	-0.1505	-0.2606	0.3714	0.3396	0.5935	-0.0946
RohnDaS	0.1533	0.2656	-0.4060	-0.1533	-0.2655	0.4060	0.2693	0.4718	-0.0868
RohnDbS	0.1533	0.2656	-0.4060	-0.1533	-0.2655	0.4060	0.2373	0.4160	-0.0822
RohnEaS	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1806	0.3183	-0.0730
RohnEbS	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1552	0.2740	-0.0684
RohnFaS	0.1966	0.3406	-0.7448	-0.1966	-0.3406	0.7448	0.1008	0.1762	-0.0566
RohnGaS	0.1889	0.3271	-0.8409	-0.1889	-0.3271	0.8409	0.0504	0.0893	-0.0417
RohnHaS	0.1751	0.3033	-0.8835	-0.1751	-0.3033	0.8835	0.0164	0.0305	-0.0255
RohnIaS	0.1827	0.3165	-0.9588	-0.1827	-0.3165	0.9588	-0.0028	0.0019	-0.0088
SNB-AaS	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.6350	1.0998	-0.0949
SNB-AbS	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.6031	1.0453	-0.0938
SNB-AcS	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.5713	0.9898	-0.0925
SNB-BaS	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.5086	0.8814	-0.0897
SNB-BbS	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.4773	0.8285	-0.0882
SNB-BcS	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.4469	0.7752	-0.0866
SNB-CaS	0.1505	0.2606	-0.3714	-0.1505	-0.2606	0.3714	0.3781	0.6560	-0.0826
SNB-CbS	0.1505	0.2606	-0.3714	-0.1505	-0.2606	0.3714	0.3404	0.5905	-0.0798
SNB-DaS	0.1533	0.2656	-0.4060	-0.1533	-0.2655	0.4060	0.2701	0.4690	-0.0735
SNB-DbS	0.1533	0.2656	-0.4060	-0.1533	-0.2655	0.4060	0.2381	0.4133	-0.0697
SNB-EaS	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1814	0.3167	-0.0624
SNB-EbS	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1560	0.2725	-0.0589
SNB-FaS	0.1966	0.3406	-0.7448	-0.1966	-0.3406	0.7448	0.1016	0.1747	-0.0493
SNB-GaS	0.1889	0.3271	-0.8409	-0.1889	-0.3271	0.8409	0.0512	0.0884	-0.0366
SNB-HaS	0.1751	0.3033	-0.8835	-0.1751	-0.3033	0.8835	0.0171	0.0299	-0.0227
SNB-IaS	0.1827	0.3165	-0.9588	-0.1827	-0.3165	0.9588	-0.0020	0.0014	-0.0080
RohnAa1	0.6271	1.0862	-0.4775	-0.6271	-1.0862	0.4775	0.6417	1.0994	-0.0279
RohnAa2	0.1216	0.2107	-0.2802	-0.1216	-0.2107	0.2802	0.6320	1.0957	-0.1127
RohnAb1	0.1217	0.2108	-0.2975	-0.1217	-0.2108	0.2975	0.6095	1.0443	-0.0232
RohnAb2	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.6007	1.0409	-0.1114
RohnAc1	0.4599	0.7965	-0.3875	-0.4599	-0.7965	0.3875	0.5782	0.9898	-0.0188
RohnAc2	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.5684	0.9858	-0.1099
RohnBa1	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.5150	0.8819	-0.0106
RohnBa2	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.5059	0.8774	-0.1067
RohnBb1	0.9122	1.5801	-1.2338	-0.9122	-1.5801	1.2338	0.4837	0.8285	-0.0067
RohnBb2	0.9122	1.5801	-1.2338	-0.9122	-1.5801	1.2338	0.4773	0.8249	-0.1050
RohnBc1	0.1322	0.2290	-0.3538	-0.1322	-0.2290	0.3538	0.4530	0.7760	-0.0031
RohnBc2	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.4445	0.7710	-0.1030
RohnCa1	1.0433	1.8070	-1.1156	-1.0433	-1.8070	1.1156	0.3840	0.6577	0.0040
RohnCa2	0.9405	1.6289	-1.0682	-0.9405	-1.6289	1.0682	0.3777	0.6531	-0.0979
RohnCb1	0.1505	0.2606	-0.3714	-0.1505	-0.2606	0.3714	0.3461	0.5928	0.0074
RohnCb2	0.1505	0.2606	-0.3714	-0.1505	-0.2606	0.3714	0.3392	0.5875	-0.0945
RohnDa1	0.2178	0.3772	-0.6510	-0.2178	-0.3772	0.6510	0.2756	0.4719	0.0119
RohnDa2	0.1533	0.2656	-0.4060	-0.1533	-0.2656	0.4060	0.2698	0.4664	-0.0867
RohnDb1	0.1777	0.3077	-0.4810	-0.1777	-0.3077	0.4810	0.2435	0.4168	0.0129
RohnDb2	0.1533	0.2656	-0.4060	-0.1533	-0.2656	0.4060	0.2378	0.4110	-0.0821
RohnEa1	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1868	0.3195	0.0141
RohnEa2	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1822	0.3135	-0.0729
RohnEb1	0.1799	0.3115	-0.6113	-0.1799	-0.3115	0.6113	0.1614	0.2759	0.0147
RohnEb2	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1568	0.2696	-0.0684
RohnFa1	0.1966	0.3406	-0.7448	-0.1966	-0.3406	0.7448	0.1066	0.1819	0.0149
RohnFa2	0.1966	0.3406	-0.7448	-0.1966	-0.3406	0.7448	0.0999	0.1740	-0.0566
RohnGa1	0.1889	0.3271	-0.8409	-0.1889	-0.3271	0.8409	0.0564	0.0957	0.0130
RohnGa2	0.1889	0.3271	-0.8409	-0.1889	-0.3271	0.8409	0.0505	0.0873	-0.0416
RohnHa1	0.1751	0.3033	-0.8835	-0.1751	-0.3033	0.8835	0.0227	0.0382	0.0086
RohnHa2	0.1751	0.3033	-0.8835	-0.1751	-0.3033	0.8835	0.0173	0.0289	-0.0255
RohnIa1	0.1827	0.3165	-0.9588	-0.1827	-0.3165	0.9588	0.0066	0.0111	0.0026
RohnIa2	0.1827	0.3165	-0.9588	-0.1827	-0.3165	0.9588	0.0028	-0.0017	-0.0088
SNB-Aa1	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.6367	1.1013	-0.0469
SNB-Aa2	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.6362	1.0991	-0.0949
SNB-Ab1	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.6047	1.0461	-0.0421
SNB-Ab2	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.6048	1.0442	-0.0937
SNB-Ac1	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.5733	0.9917	-0.0375
SNB-Ac2	0.0846	0.1465	-0.2575	-0.0846	-0.1465	0.2575	0.5725	0.9891	-0.0924
SNB-Ba1	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.5106	0.8834	-0.0288
SNB-Ba2	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.5098	0.8807	-0.0896
SNB-Bb1	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.4796	0.8298	-0.0246
SNB-Bb2	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.4795	0.8271	-0.0882
SNB-Bc1	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.4492	0.7772	-0.0206
SNB-Bc2	0.1056	0.1829	-0.2788	-0.1056	-0.1829	0.2788	0.4485	0.7743	-0.0866

SNB-Ca1	0.1505	0.2606	-0.3714	-0.1505	-0.2606	0.3714	0.3807	0.6587	-0.0122
SNB-Ca2	0.1505	0.2606	-0.3714	-0.1505	-0.2606	0.3714	0.3795	0.6552	-0.0825
SNB-Cb1	0.1505	0.2606	-0.3714	-0.1505	-0.2606	0.3714	0.3430	0.5936	-0.0081
SNB-Cb2	0.1505	0.2606	-0.3714	-0.1505	-0.2606	0.3714	0.3416	0.5898	-0.0798
SNB-Da1	0.1533	0.2656	-0.4060	-0.1533	-0.2656	0.4060	0.2730	0.4725	-0.0020
SNB-Da2	0.1533	0.2656	-0.4060	-0.1533	-0.2655	0.4060	0.2714	0.4682	-0.0735
SNB-Db1	0.1533	0.2656	-0.4060	-0.1533	-0.2656	0.4060	0.2411	0.4173	-0.0002
SNB-Db2	0.1533	0.2656	-0.4060	-0.1533	-0.2655	0.4060	0.2391	0.4127	-0.0697
SNB-Ea1	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1847	0.3197	0.0032
SNB-Ea2	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1837	0.3153	-0.0624
SNB-Eb1	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1595	0.2761	0.0051
SNB-Eb2	0.1569	0.2718	-0.5363	-0.1569	-0.2718	0.5363	0.1581	0.2713	-0.0589
SNB-Fa1	0.1966	0.3406	-0.7448	-0.1966	-0.3406	0.7448	0.1051	0.1819	0.0078
SNB-Fa2	0.1966	0.3406	-0.7448	-0.1966	-0.3406	0.7448	0.1005	0.1753	-0.0492
SNB-Ga1	0.1889	0.3271	-0.8409	-0.1889	-0.3271	0.8409	0.0552	0.0955	0.0084
SNB-Ga2	0.1889	0.3271	-0.8409	-0.1889	-0.3271	0.8409	0.0510	0.0885	-0.0366
SNB-Ha1	0.1751	0.3033	-0.8835	-0.1751	-0.3033	0.8835	0.0218	0.0378	0.0064
SNB-Ha2	0.1751	0.3033	-0.8835	-0.1751	-0.3033	0.8835	0.0173	0.0298	-0.0227
SNB-Ia1	0.1827	0.3165	-0.9588	-0.1827	-0.3165	0.9588	0.0060	0.0105	0.0020
SNB-Ia2	0.1827	0.3165	-0.9588	-0.1827	-0.3165	0.9588	0.0022	-0.0011	-0.0080

*** Analysis Results for Load Case No. 5 "W+I 90 deg" - Number of iterations in SAPS 12

Equilibrium Joint Positions and Rotations for Load Case "W+I 90 deg":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	-0.0008998	1.363	-0.08723	0.0000	0.0000	0.0000	4.332	1.363	179.9
RohnBP	-0.001408	1.105	-0.07747	0.0000	0.0000	0.0000	5.12	1.105	159.9
RohnCP	-0.001881	0.8553	-0.06747	0.0000	0.0000	0.0000	5.907	0.8553	139.9
RohnDP	-0.002293	0.6247	-0.05738	0.0000	0.0000	0.0000	6.693	0.6247	119.9
RohnEP	-0.002688	0.4297	-0.0472	0.0000	0.0000	0.0000	7.478	0.4297	99.95
RohnFP	-0.003084	0.2752	-0.03756	0.0000	0.0000	0.0000	8.265	0.2752	79.96
RohnGP	-0.003466	0.1562	-0.02813	0.0000	0.0000	0.0000	9.052	0.1562	59.97
RohnHP	-0.003775	0.07051	-0.01884	0.0000	0.0000	0.0000	9.837	0.07051	39.98
RohnIP	-0.003666	0.01933	-0.009421	0.0000	0.0000	0.0000	10.63	0.01933	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	-0.0001109	1.361	-0.08154	0.0000	0.0000	0.0000	2.333	1.361	179.9
SNB-BP	-0.0006203	1.103	-0.07199	0.0000	0.0000	0.0000	3.12	1.103	159.9
SNB-CP	-0.001094	0.8538	-0.0624	0.0000	0.0000	0.0000	3.907	0.8538	139.9
SNB-DP	-0.001509	0.6245	-0.0529	0.0000	0.0000	0.0000	4.693	0.6245	119.9
SNB-EP	-0.001904	0.4297	-0.04354	0.0000	0.0000	0.0000	5.479	0.4297	99.96
SNB-FP	-0.002303	0.2752	-0.03469	0.0000	0.0000	0.0000	6.266	0.2752	79.97
SNB-GP	-0.002685	0.1555	-0.02592	0.0000	0.0000	0.0000	7.052	0.1555	59.97
SNB-HP	-0.002994	0.07015	-0.01729	0.0000	0.0000	0.0000	7.838	0.07015	39.98
SNB-IP	-0.002886	0.01861	-0.00863	0.0000	0.0000	0.0000	8.625	0.01861	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.002809	1.362	-0.03926	0.0000	0.0000	0.0000	-2.164	-2.39	180
RohnA2	0.0006032	1.359	-0.1349	0.0000	0.0000	0.0000	-2.166	5.111	179.9
RohnB1	0.002783	1.105	-0.02215	0.0000	0.0000	0.0000	-2.558	-3.33	160
RohnB2	0.0004594	1.1	-0.1326	0.0000	0.0000	0.0000	-2.56	5.535	159.9
RohnC1	0.002239	0.8557	-0.007976	0.0000	0.0000	0.0000	-2.952	-4.262	140
RohnC2	0.001023	0.8511	-0.1268	0.0000	0.0000	0.0000	-2.953	5.968	139.9
RohnD1	0.002304	0.6267	0.002137	0.0000	0.0000	0.0000	-3.345	-5.171	120
RohnD2	0.000914	0.6216	-0.1168	0.0000	0.0000	0.0000	-3.347	6.42	119.9
RohnE1	0.002218	0.4322	0.006048	0.0000	0.0000	0.0000	-3.738	-6.046	100
RohnE2	0.001111	0.4268	-0.1004	0.0000	0.0000	0.0000	-3.739	6.906	99.9
RohnF1	0.002128	0.278	0.008753	0.0000	0.0000	0.0000	-4.132	-6.882	80.01
RohnF2	0.001419	0.2721	-0.0838	0.0000	0.0000	0.0000	-4.133	7.432	79.92
RohnG1	0.001861	0.1587	0.009101	0.0000	0.0000	0.0000	-4.526	-7.683	60.01
RohnG2	0.001954	0.1524	-0.06528	0.0000	0.0000	0.0000	-4.526	7.994	59.93
RohnH1	0.001983	0.07338	0.00784	0.0000	0.0000	0.0000	-4.919	-8.449	40.01
RohnH2	0.002032	0.06683	-0.04546	0.0000	0.0000	0.0000	-4.918	8.589	39.95
RohnI1	0.001675	0.02188	0.003577	0.0000	0.0000	0.0000	-5.313	-9.184	20
RohnI2	0.002149	0.01561	-0.02239	0.0000	0.0000	0.0000	-5.313	9.221	19.98
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	0.001253	1.362	-0.05543	0.0000	0.0000	0.0000	-1.165	-0.6583	179.9
SNB-A2	0.001254	1.36	-0.1076	0.0000	0.0000	0.0000	-1.165	3.381	179.9
SNB-B1	0.001198	1.105	-0.03787	0.0000	0.0000	0.0000	-1.559	-1.598	160
SNB-B2	0.001218	1.102	-0.106	0.0000	0.0000	0.0000	-1.559	3.805	159.9
SNB-C1	0.001215	0.8554	-0.02226	0.0000	0.0000	0.0000	-1.953	-2.529	140
SNB-C2	0.001159	0.8523	-0.1025	0.0000	0.0000	0.0000	-1.953	4.237	139.9
SNB-D1	0.001273	0.6264	-0.01028	0.0000	0.0000	0.0000	-2.346	-3.44	120
SNB-D2	0.001162	0.6228	-0.09544	0.0000	0.0000	0.0000	-2.346	4.689	119.9
SNB-E1	0.001364	0.4318	-0.004347	0.0000	0.0000	0.0000	-2.739	-4.315	100
SNB-E2	0.001198	0.4278	-0.08266	0.0000	0.0000	0.0000	-2.739	5.174	99.92
SNB-F1	0.001389	0.2775	0.001788	0.0000	0.0000	0.0000	-3.133	-5.151	80
SNB-F2	0.001334	0.273	-0.07109	0.0000	0.0000	0.0000	-3.133	5.701	79.93
SNB-G1	0.001454	0.158	0.004229	0.0000	0.0000	0.0000	-3.526	-5.952	60
SNB-G2	0.001454	0.1531	-0.05601	0.0000	0.0000	0.0000	-3.526	6.263	59.94
SNB-H1	0.001525	0.07275	0.005055	0.0000	0.0000	0.0000	-3.919	-6.718	40.01
SNB-H2	0.001564	0.06747	-0.0396	0.0000	0.0000	0.0000	-3.919	6.858	39.96
SNB-I1	0.001458	0.0211	0.002679	0.0000	0.0000	0.0000	-4.313	-7.451	20
SNB-I2	0.001455	0.01611	-0.01992	0.0000	0.0000	0.0000	-4.313	7.488	19.98
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	-0.0009917	1.298	-0.0848	0.0000	0.0000	0.0000	4.529	1.298	174.9
RohnAbS	-0.00115	1.234	-0.08239	0.0000	0.0000	0.0000	4.726	1.234	169.9
RohnAcS	-0.001228	1.168	-0.07992	0.0000	0.0000	0.0000	4.923	1.168	164.9
RohnBaS	-0.001448	1.04	-0.07498	0.0000	0.0000	0.0000	5.317	1.04	154.9
RohnBbS	-0.001665	0.9795	-0.07254	0.0000	0.0000	0.0000	5.513	0.9795	149.9
RohnBcS	-0.001656	0.9139	-0.06996	0.0000	0.0000	0.0000	5.71	0.9139	144.9
RohnCaS	-0.001922	0.7757	-0.06412	0.0000	0.0000	0.0000	6.169	0.7757	133.3
RohnCbS	-0.00205	0.6974	-0.06072	0.0000	0.0000	0.0000	6.431	0.6974	126.6
RohnDaS	-0.002297	0.5544	-0.05396	0.0000	0.0000	0.0000	6.954	0.5544	113.3
RohnDbS	-0.002419	0.4888	-0.05055	0.0000	0.0000	0.0000	7.217	0.4888	106.6
RohnEaS	-0.002743	0.374	-0.04398	0.0000	0.0000	0.0000	7.74	0.374	93.3

RohnEbS	-0.00285	0.3219	-0.04075	0.0000	0.0000	0.0000	8.003	0.3219	86.62
RohnFaS	-0.00291	0.207	-0.0328	0.0000	0.0000	0.0000	8.659	0.207	69.97
RohnGaS	-0.003318	0.1048	-0.02346	0.0000	0.0000	0.0000	9.445	0.1048	49.98
RohnHaS	-0.003861	0.03568	-0.01415	0.0000	0.0000	0.0000	10.23	0.03568	29.99
RohnIaS	-0.006162	0.002219	-0.005013	0.0000	0.0000	0.0000	11.02	0.002219	9.995
SNB-AaS	-0.0002035	1.296	-0.07916	0.0000	0.0000	0.0000	2.53	1.296	174.9
SNB-AbS	-0.000361	1.232	-0.07678	0.0000	0.0000	0.0000	2.727	1.232	169.9
SNB-AcS	-0.0004396	1.167	-0.07438	0.0000	0.0000	0.0000	2.924	1.167	164.9
SNB-BaS	-0.0006611	1.039	-0.06958	0.0000	0.0000	0.0000	3.317	1.039	154.9
SNB-BbS	-0.0008764	0.9768	-0.06719	0.0000	0.0000	0.0000	3.514	0.9768	149.9
SNB-BcS	-0.0008694	0.9142	-0.06478	0.0000	0.0000	0.0000	3.71	0.9142	144.9
SNB-CaS	-0.001135	0.7738	-0.05921	0.0000	0.0000	0.0000	4.169	0.7738	133.3
SNB-CbS	-0.001264	0.6967	-0.05602	0.0000	0.0000	0.0000	4.432	0.6967	126.6
SNB-DaS	-0.001513	0.5536	-0.04974	0.0000	0.0000	0.0000	4.955	0.5536	113.3
SNB-DbS	-0.001635	0.4879	-0.0466	0.0000	0.0000	0.0000	5.218	0.4879	106.6
SNB-EaS	-0.00196	0.3739	-0.04057	0.0000	0.0000	0.0000	5.741	0.3739	93.3
SNB-EbS	-0.002068	0.3219	-0.0376	0.0000	0.0000	0.0000	6.004	0.3219	86.62
SNB-FaS	-0.002128	0.2065	-0.03025	0.0000	0.0000	0.0000	6.659	0.2065	69.97
SNB-GaS	-0.002538	0.1046	-0.02158	0.0000	0.0000	0.0000	7.445	0.1046	49.98
SNB-HaS	-0.003081	0.03545	-0.01299	0.0000	0.0000	0.0000	8.231	0.03545	29.99
SNB-IaS	-0.005381	0.001727	-0.004684	0.0000	0.0000	0.0000	9.016	0.001727	9.995
RohnAa1	0.002856	1.298	-0.03475	0.0000	0.0000	0.0000	-2.262	-2.625	175
RohnAa2	-2.52e-005	1.294	-0.1346	0.0000	0.0000	0.0000	-2.265	5.217	174.9
RohnAb1	0.002863	1.233	-0.03034	0.0000	0.0000	0.0000	-2.361	-2.861	170
RohnAb2	0.0006305	1.229	-0.1342	0.0000	0.0000	0.0000	-2.363	5.323	169.9
RohnAc1	0.00299	1.169	-0.02615	0.0000	0.0000	0.0000	-2.459	-3.096	165
RohnAc2	-0.0001499	1.164	-0.1335	0.0000	0.0000	0.0000	-2.462	5.429	164.9
RohnBa1	0.003239	1.041	-0.01825	0.0000	0.0000	0.0000	-2.656	-3.564	155
RohnBa2	-0.0001689	1.037	-0.1315	0.0000	0.0000	0.0000	-2.659	5.642	154.9
RohnBb1	0.001975	0.9786	-0.01454	0.0000	0.0000	0.0000	-2.756	-3.797	150
RohnBb2	0.001285	0.9742	-0.1303	0.0000	0.0000	0.0000	-2.756	5.75	149.9
RohnBc1	0.003237	0.916	-0.01106	0.0000	0.0000	0.0000	-2.853	-4.031	145
RohnBc2	-0.000235	0.9115	-0.1287	0.0000	0.0000	0.0000	-2.856	5.858	144.9
RohnCa1	0.002285	0.777	-0.004011	0.0000	0.0000	0.0000	-3.083	-4.567	133.3
RohnCa2	0.0007029	0.7722	-0.1241	0.0000	0.0000	0.0000	-3.085	6.116	133.2
RohnCb1	0.002883	0.6999	-0.0006106	0.0000	0.0000	0.0000	-3.214	-4.871	126.7
RohnCb2	0.0002117	0.6952	-0.1207	0.0000	0.0000	0.0000	-3.216	6.267	126.5
RohnDa1	0.002636	0.5573	0.004168	0.0000	0.0000	0.0000	-3.476	-5.467	113.3
RohnDa2	0.0004471	0.5523	-0.112	0.0000	0.0000	0.0000	-3.478	6.577	113.2
RohnDb1	0.002814	0.4922	0.005457	0.0000	0.0000	0.0000	-3.607	-5.76	106.7
RohnDb2	0.0003203	0.4871	-0.1065	0.0000	0.0000	0.0000	-3.609	6.739	106.6
RohnEa1	0.00259	0.3773	0.007395	0.0000	0.0000	0.0000	-3.869	-6.328	93.35
RohnEa2	0.0007307	0.3718	-0.09528	0.0000	0.0000	0.0000	-3.871	7.078	93.24
RohnEb1	0.002709	0.3257	0.008297	0.0000	0.0000	0.0000	-4	-6.608	86.67
RohnEb2	0.0005857	0.3201	-0.08974	0.0000	0.0000	0.0000	-4.002	7.253	86.57
RohnFa1	0.004186	0.2137	0.009396	0.0000	0.0000	0.0000	-4.327	-7.287	70.01
RohnFa2	-0.001107	0.2081	-0.07497	0.0000	0.0000	0.0000	-4.332	7.709	69.93
RohnGa1	0.004178	0.1118	0.008826	0.0000	0.0000	0.0000	-4.72	-8.07	50.01
RohnGa2	-0.0009064	0.1056	-0.05571	0.0000	0.0000	0.0000	-4.725	8.288	49.94
RohnHa1	0.004493	0.04346	0.006007	0.0000	0.0000	0.0000	-5.113	-8.821	30.01
RohnHa2	-0.0007919	0.0365	-0.03429	0.0000	0.0000	0.0000	-5.119	8.901	29.97
RohnIa1	0.005053	0.01108	0.001706	0.0000	0.0000	0.0000	-5.507	-9.537	10
RohnIa2	0.0009578	0.0002694	-0.01172	0.0000	0.0000	0.0000	-5.512	9.548	9.988
SNB-Aa1	0.001383	1.298	-0.0509	0.0000	0.0000	0.0000	-1.264	-0.8934	174.9
SNB-Aa2	0.001054	1.295	-0.1074	0.0000	0.0000	0.0000	-1.264	3.486	174.9
SNB-Ab1	0.001154	1.233	-0.04639	0.0000	0.0000	0.0000	-1.362	-1.129	170
SNB-Ab2	0.001413	1.231	-0.1071	0.0000	0.0000	0.0000	-1.362	3.592	169.9
SNB-Ac1	0.001466	1.169	-0.04205	0.0000	0.0000	0.0000	-1.461	-1.364	165
SNB-Ac2	0.0008802	1.166	-0.1066	0.0000	0.0000	0.0000	-1.461	3.698	164.9
SNB-Ba1	0.001481	1.041	-0.03371	0.0000	0.0000	0.0000	-1.657	-1.832	155
SNB-Ba2	0.0008237	1.038	-0.1054	0.0000	0.0000	0.0000	-1.658	3.912	154.9
SNB-Bb1	0.001176	0.9781	-0.0297	0.0000	0.0000	0.0000	-1.756	-2.066	150
SNB-Bb2	0.001267	0.9753	-0.1046	0.0000	0.0000	0.0000	-1.756	4.019	149.9
SNB-Bc1	0.00142	0.9161	-0.02589	0.0000	0.0000	0.0000	-1.854	-2.298	145
SNB-Bc2	0.0008481	0.9132	-0.1036	0.0000	0.0000	0.0000	-1.855	4.127	144.9
SNB-Ca1	0.001686	0.7763	-0.01777	0.0000	0.0000	0.0000	-2.083	-2.835	133.3
SNB-Ca2	0.0006038	0.7732	-0.1006	0.0000	0.0000	0.0000	-2.084	4.385	133.2
SNB-Cb1	0.001864	0.6996	-0.01376	0.0000	0.0000	0.0000	-2.215	-3.139	126.6
SNB-Cb2	0.0004346	0.6963	-0.09824	0.0000	0.0000	0.0000	-2.216	4.535	126.6
SNB-Da1	0.002	0.5568	-0.00761	0.0000	0.0000	0.0000	-2.476	-3.736	113.3
SNB-Da2	0.000331	0.5532	-0.09182	0.0000	0.0000	0.0000	-2.478	4.846	113.2
SNB-Db1	0.002265	0.4916	-0.005649	0.0000	0.0000	0.0000	-2.607	-4.028	106.7
SNB-Db2	8.239e-005	0.4879	-0.08751	0.0000	0.0000	0.0000	-2.61	5.008	106.6
SNB-Ea1	0.001792	0.3768	-0.001864	0.0000	0.0000	0.0000	-2.87	-4.597	93.34
SNB-Ea2	0.000742	0.3728	-0.07921	0.0000	0.0000	0.0000	-2.871	5.346	93.26
SNB-Eb1	0.001991	0.3252	0.0001572	0.0000	0.0000	0.0000	-3.001	-4.876	86.66
SNB-Eb2	0.0005516	0.3211	-0.07531	0.0000	0.0000	0.0000	-3.002	5.522	86.58
SNB-Fa1	0.003783	0.213	0.003421	0.0000	0.0000	0.0000	-3.327	-5.556	70
SNB-Fa2	-0.001407	0.2089	-0.06391	0.0000	0.0000	0.0000	-3.332	5.978	69.94
SNB-Ga1	0.003732	0.1111	0.005009	0.0000	0.0000	0.0000	-3.72	-6.339	50.01
SNB-Ga2	-0.001107	0.1064	-0.04815	0.0000	0.0000	0.0000	-3.725	6.557	49.95

SNB-Ha1	0.004152	0.04275	0.004186	0.0000	0.0000	0.0000	-4.113	-7.089	30
SNB-Ha2	-0.001101	0.03723	-0.03016	0.0000	0.0000	0.0000	-4.118	7.169	29.97
SNB-Ia1	0.004887	0.01027	0.001284	0.0000	0.0000	0.0000	-4.506	-7.803	10
SNB-Ia2	0.0004426	0.0008744	-0.01065	0.0000	0.0000	0.0000	-4.51	7.814	9.989

Joint Support Reactions for Load Case "W+I 90 deg":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
RohnJP	5.18	0.0	-2.61	0.0	21.90	0.0	0.0	22.65	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	11.55	0.0	-6.26	0.0	18.23	0.0	0.0	22.47	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	-8.56	0.0	-17.27	0.0	-179.98	0.0	0.0	181.01	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	3.43	0.0	-8.55	0.0	223.74	0.0	0.0	223.93	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	-16.62	0.0	-34.87	0.0	-281.64	0.0	0.0	284.28	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	5.02	0.0	-15.13	0.0	318.28	0.0	0.0	318.68	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "W+I 90 deg":

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	0.0000	1.8634	-0.7199	0.0000	-1.8634	0.7199	-0.0009	1.3631	-0.0872
RohnBP	0.0000	0.9631	-0.7659	-0.0000	-0.9631	0.7659	-0.0014	1.1050	-0.0775
RohnCP	0.0000	0.8546	-0.8907	-0.0000	-0.8546	0.8907	-0.0019	0.8553	-0.0675
RohnDP	0.0000	1.4280	-1.6173	-0.0000	-1.4280	1.6173	-0.0023	0.6247	-0.0574
RohnEP	0.0000	0.6452	-0.9422	0.0000	-0.6452	0.9422	-0.0027	0.4297	-0.0472
RohnFP	0.0000	0.8193	-1.3026	0.0000	-0.8193	1.3026	-0.0031	0.2752	-0.0376
RohnGP	0.0000	0.8294	-1.6057	0.0000	-0.8294	1.6057	-0.0035	0.1562	-0.0281
RohnHP	0.0000	0.7570	-1.7244	0.0000	-0.7570	1.7244	-0.0038	0.0705	-0.0188
RohnIP	0.0000	0.7442	-1.8423	-0.0000	-0.7442	1.8423	-0.0037	0.0193	-0.0094
RohnJP	0.0000	0.3798	-0.9588	-5.1812	2.2283	-20.9396	0.0000	0.0000	0.0000
SNB-AP	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	-0.0001	1.3612	-0.0815
SNB-BP	0.0000	0.3949	-0.5363	-0.0000	-0.3949	0.5363	-0.0006	1.1033	-0.0720
SNB-CP	0.0000	0.5327	-0.6503	-0.0000	-0.5327	0.6503	-0.0011	0.8538	-0.0624
SNB-DP	0.0000	0.6322	-0.7774	-0.0000	-0.6322	0.7774	-0.0015	0.6245	-0.0529
SNB-EP	0.0000	0.6452	-0.9422	-0.0000	-0.6452	0.9422	-0.0019	0.4297	-0.0435
SNB-FP	0.0000	0.7356	-1.2811	-0.0000	-0.7356	1.2811	-0.0023	0.2752	-0.0347
SNB-GP	0.0000	0.8018	-1.5857	-0.0000	-0.8018	1.5857	-0.0027	0.1555	-0.0259
SNB-HP	0.0000	0.7570	-1.7244	-0.0000	-0.7570	1.7244	-0.0030	0.0702	-0.0173
SNB-IP	0.0000	0.7442	-1.8423	0.0000	-0.7442	1.8423	-0.0029	0.0186	-0.0086
SNB-JP	0.0000	0.3798	-0.9588	-11.5518	5.8823	-17.2713	0.0000	0.0000	0.0000
RohnA1	0.0000	1.5465	-0.7245	0.0000	-1.5465	0.7245	0.0028	1.3622	-0.0393
RohnA2	0.0000	1.6291	-0.6973	0.0000	-1.6291	0.6973	0.0006	1.3587	-0.1349
RohnB1	0.0000	0.7063	-0.7011	0.0000	-0.7063	0.7011	0.0028	1.1046	-0.0222
RohnB2	0.0000	0.4678	-0.6313	0.0000	-0.4678	0.6313	0.0005	1.1005	-0.1326
RohnC1	0.0000	0.7704	-0.7207	0.0000	-0.7704	0.7207	0.0022	0.8557	-0.0080
RohnC2	0.0000	0.8265	-0.8807	0.0000	-0.8265	0.8807	0.0010	0.8511	-0.1268
RohnD1	0.0000	1.4280	-1.6173	0.0000	-1.4280	1.6173	0.0023	0.6267	0.0021
RohnD2	0.0000	1.4280	-1.6173	0.0000	-1.4280	1.6173	0.0009	0.6216	-0.1168
RohnE1	0.0000	0.6452	-0.9422	0.0000	-0.6452	0.9422	0.0022	0.4322	0.0060
RohnE2	0.0000	0.6452	-0.9422	0.0000	-0.6452	0.9422	0.0011	0.4268	-0.1004
RohnF1	0.0000	0.9151	-1.3521	0.0000	-0.9151	1.3521	0.0021	0.2780	0.0088
RohnF2	0.0000	0.8193	-1.3026	0.0000	-0.8193	1.3026	0.0014	0.2721	-0.0838
RohnG1	0.0000	0.8018	-1.5857	0.0000	-0.8018	1.5857	0.0019	0.1587	0.0091
RohnG2	0.0000	0.8018	-1.5857	0.0000	-0.8018	1.5857	0.0020	0.1524	-0.0653
RohnH1	0.0000	0.7570	-1.7244	0.0000	-0.7570	1.7244	0.0020	0.0734	0.0078
RohnH2	0.0000	0.7570	-1.7244	0.0000	-0.7570	1.7244	0.0020	0.0668	-0.0455
RohnI1	0.0000	0.7442	-1.8423	0.0000	-0.7442	1.8423	0.0017	0.0219	0.0036
RohnI2	0.0000	0.7674	-1.8623	0.0000	-0.7674	1.8623	0.0021	0.0156	-0.0224
RohnJ1	0.0000	0.3798	-0.9588	8.5642	16.8875	180.9376	0.0000	0.0000	0.0000
RohnJ2	0.0000	0.3798	-0.9588	-3.4341	8.1739	-222.7766	0.0000	0.0000	0.0000
SNB-A1	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	0.0013	1.3621	-0.0554
SNB-A2	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	0.0013	1.3602	-0.1076
SNB-B1	0.0000	0.3949	-0.5363	-0.0000	-0.3949	0.5363	0.0012	1.1045	-0.0379
SNB-B2	0.0000	0.3949	-0.5363	-0.0000	-0.3949	0.5363	0.0012	1.1020	-0.1060
SNB-C1	0.0000	0.5327	-0.6503	-0.0000	-0.5327	0.6503	0.0012	0.8554	-0.0223
SNB-C2	0.0000	0.5327	-0.6503	-0.0000	-0.5327	0.6503	0.0012	0.8523	-0.1025
SNB-D1	0.0000	0.6322	-0.7774	-0.0000	-0.6322	0.7774	0.0013	0.6264	-0.0103
SNB-D2	0.0000	0.6322	-0.7774	-0.0000	-0.6322	0.7774	0.0012	0.6228	-0.0954
SNB-E1	0.0000	0.6452	-0.9422	-0.0000	-0.6452	0.9422	0.0014	0.4318	-0.0043
SNB-E2	0.0000	0.6452	-0.9422	-0.0000	-0.6452	0.9422	0.0012	0.4278	-0.0827
SNB-F1	0.0000	0.7356	-1.2811	-0.0000	-0.7356	1.2811	0.0014	0.2775	0.0018
SNB-F2	0.0000	0.7356	-1.2811	-0.0000	-0.7356	1.2811	0.0013	0.2730	-0.0711
SNB-G1	0.0000	0.8018	-1.5857	-0.0000	-0.8018	1.5857	0.0015	0.1580	0.0042
SNB-G2	0.0000	0.8018	-1.5857	-0.0000	-0.8018	1.5857	0.0015	0.1531	-0.0560
SNB-H1	0.0000	0.7570	-1.7244	-0.0000	-0.7570	1.7244	0.0015	0.0727	0.0051

SNB-H2	0.0000	0.7570	-1.7244	-0.0000	-0.7570	1.7244	0.0016	0.0675	-0.0396
SNB-I1	0.0000	0.7442	-1.8423	-0.0000	-0.7442	1.8423	0.0015	0.0211	0.0027
SNB-I2	0.0000	0.7442	-1.8423	-0.0000	-0.7442	1.8423	0.0015	0.0161	-0.0199
SNB-J1	0.0000	0.3798	-0.9588	16.6229	34.4895	282.5979	0.0000	0.0000	0.0000
SNB-J2	0.0000	0.3798	-0.9588	-5.0201	14.7508	-317.3191	0.0000	0.0000	0.0000
RohnAaS	0.0000	0.2496	-0.2802	0.0000	-0.2496	0.2802	-0.0010	1.2976	-0.0848
RohnAbS	0.0000	0.9176	-0.4575	0.0000	-0.9176	0.4575	-0.0011	1.2340	-0.0824
RohnAcS	0.0000	0.1755	-0.2575	0.0000	-0.1755	0.2575	-0.0012	1.1682	-0.0799
RohnBaS	0.0000	0.2194	-0.2788	0.0000	-0.2194	0.2788	-0.0014	1.0401	-0.0750
RohnBbS	0.0000	1.8781	-1.2538	-0.0000	-1.8781	1.2538	-0.0017	0.9795	-0.0725
RohnBcS	0.0000	0.2194	-0.2788	-0.0000	-0.2194	0.2788	-0.0017	0.9139	-0.0700
RohnCaS	0.0000	1.8934	-1.0682	-0.0000	-1.8933	1.0682	-0.0019	0.7757	-0.0641
RohnCbS	0.0000	0.3134	-0.3714	-0.0000	-0.3134	0.3714	-0.0020	0.6974	-0.0607
RohnDaS	0.0000	0.3188	-0.4060	-0.0000	-0.3188	0.4060	-0.0023	0.5544	-0.0540
RohnDbS	0.0000	0.3188	-0.4060	-0.0000	-0.3188	0.4060	-0.0024	0.4888	-0.0505
RohnEaS	0.0000	0.3264	-0.5363	0.0000	-0.3264	0.5363	-0.0027	0.3740	-0.0440
RohnEbS	0.0000	0.3264	-0.5363	0.0000	-0.3264	0.5363	-0.0028	0.3219	-0.0408
RohnFaS	0.0000	0.4092	-0.7448	-0.0000	-0.4092	0.7448	-0.0029	0.2070	-0.0328
RohnGaS	0.0000	0.3926	-0.8409	-0.0000	-0.3926	0.8409	-0.0033	0.1048	-0.0235
RohnHaS	0.0000	0.3643	-0.8835	-0.0000	-0.3643	0.8835	-0.0039	0.0357	-0.0141
RohnIaS	0.0000	0.3798	-0.9588	-0.0000	-0.3798	0.9588	-0.0062	0.0022	-0.0050
SNB-AaS	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	-0.0002	1.2962	-0.0792
SNB-AbS	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	-0.0004	1.2320	-0.0768
SNB-AcS	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	-0.0004	1.1668	-0.0744
SNB-BaS	0.0000	0.2194	-0.2788	-0.0000	-0.2194	0.2788	-0.0007	1.0392	-0.0696
SNB-BbS	0.0000	0.2194	-0.2788	0.0000	-0.2194	0.2788	-0.0009	0.9768	-0.0672
SNB-BcS	0.0000	0.2194	-0.2788	0.0000	-0.2194	0.2788	-0.0009	0.9142	-0.0648
SNB-CaS	0.0000	0.3134	-0.3714	-0.0000	-0.3134	0.3714	-0.0011	0.7738	-0.0592
SNB-CbS	0.0000	0.3134	-0.3714	-0.0000	-0.3134	0.3714	-0.0013	0.6967	-0.0560
SNB-DaS	0.0000	0.3188	-0.4060	-0.0000	-0.3188	0.4060	-0.0015	0.5536	-0.0497
SNB-DbS	0.0000	0.3188	-0.4060	0.0000	-0.3188	0.4060	-0.0016	0.4879	-0.0466
SNB-EaS	0.0000	0.3264	-0.5363	-0.0000	-0.3264	0.5363	-0.0020	0.3739	-0.0406
SNB-EbS	0.0000	0.3264	-0.5363	-0.0000	-0.3264	0.5363	-0.0021	0.3219	-0.0376
SNB-FaS	0.0000	0.4092	-0.7448	-0.0000	-0.4092	0.7448	-0.0021	0.2065	-0.0302
SNB-GaS	0.0000	0.3926	-0.8409	-0.0000	-0.3926	0.8409	-0.0025	0.1046	-0.0216
SNB-HaS	0.0000	0.3643	-0.8835	0.0000	-0.3643	0.8835	-0.0031	0.0354	-0.0130
SNB-IaS	0.0000	0.3798	-0.9588	0.0000	-0.3798	0.9588	-0.0054	0.0017	-0.0047
RohnAa1	0.0000	1.2605	-0.4775	0.0000	-1.2605	0.4775	0.0029	1.2977	-0.0348
RohnAa2	0.0000	0.2496	-0.2802	0.0000	-0.2496	0.2802	-0.0000	1.2936	-0.1346
RohnAb1	0.0000	0.2497	-0.2975	0.0000	-0.2497	0.2975	0.0029	1.2327	-0.0303
RohnAb2	0.0000	0.1755	-0.2575	0.0000	-0.1755	0.2575	0.0006	1.2292	-0.1342
RohnAc1	0.0000	0.9261	-0.3875	0.0000	-0.9261	0.3875	0.0030	1.1686	-0.0262
RohnAc2	0.0000	0.1755	-0.2575	0.0000	-0.1755	0.2575	-0.0001	1.1643	-0.1335
RohnBa1	0.0000	0.2194	-0.2788	0.0000	-0.2194	0.2788	0.0032	1.0410	-0.0182
RohnBa2	0.0000	0.2194	-0.2788	0.0000	-0.2194	0.2788	-0.0002	1.0368	-0.1315
RohnBb1	0.0000	1.8326	-1.2338	0.0000	-1.8326	1.2338	0.0020	0.9786	-0.0145
RohnBb2	0.0000	1.8326	-1.2338	0.0000	-1.8326	1.2338	0.0013	0.9742	-0.1303
RohnBc1	0.0000	0.2725	-0.3538	0.0000	-0.2725	0.3538	0.0032	0.9160	-0.0111
RohnBc2	0.0000	0.2194	-0.2788	0.0000	-0.2194	0.2788	-0.0002	0.9115	-0.1287
RohnCa1	0.0000	2.0990	-1.1156	0.0000	-2.0990	1.1156	0.0023	0.7770	-0.0040
RohnCa2	0.0000	1.8934	-1.0682	0.0000	-1.8934	1.0682	0.0007	0.7722	-0.1241
RohnCb1	0.0000	0.3134	-0.3714	0.0000	-0.3134	0.3714	0.0029	0.6999	-0.0006
RohnCb2	0.0000	0.3134	-0.3714	0.0000	-0.3134	0.3714	0.0002	0.6952	-0.1207
RohnDa1	0.0000	0.4477	-0.6510	0.0000	-0.4477	0.6510	0.0026	0.5573	0.0042
RohnDa2	0.0000	0.3188	-0.4060	0.0000	-0.3188	0.4060	0.0004	0.5523	-0.1120
RohnDb1	0.0000	0.3675	-0.4810	0.0000	-0.3675	0.4810	0.0028	0.4922	0.0055
RohnDb2	0.0000	0.3188	-0.4060	0.0000	-0.3188	0.4060	0.0003	0.4871	-0.1065
RohnEa1	0.0000	0.3264	-0.5363	0.0000	-0.3264	0.5363	0.0026	0.3773	0.0074
RohnEa2	0.0000	0.3264	-0.5363	0.0000	-0.3264	0.5363	0.0007	0.3718	-0.0953
RohnEb1	0.0000	0.3723	-0.6113	0.0000	-0.3723	0.6113	0.0027	0.3257	0.0083
RohnEb2	0.0000	0.3264	-0.5363	0.0000	-0.3264	0.5363	0.0006	0.3201	-0.0897
RohnFa1	0.0000	0.4092	-0.7448	0.0000	-0.4092	0.7448	0.0042	0.2137	0.0094
RohnFa2	0.0000	0.4092	-0.7448	0.0000	-0.4092	0.7448	-0.0011	0.2081	-0.0750
RohnGa1	0.0000	0.3926	-0.8409	0.0000	-0.3926	0.8409	0.0042	0.1118	0.0088
RohnGa2	0.0000	0.3926	-0.8409	0.0000	-0.3926	0.8409	-0.0009	0.1056	-0.0557
RohnHa1	0.0000	0.3643	-0.8835	0.0000	-0.3643	0.8835	0.0045	0.0435	0.0060
RohnHa2	0.0000	0.3643	-0.8835	0.0000	-0.3643	0.8835	-0.0008	0.0365	-0.0343
RohnIa1	0.0000	0.3798	-0.9588	0.0000	-0.3798	0.9588	0.0051	0.0111	0.0017
RohnIa2	0.0000	0.3798	-0.9588	0.0000	-0.3798	0.9588	0.0010	0.0003	-0.0117
SNB-Aa1	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	0.0014	1.2976	-0.0509
SNB-Aa2	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	0.0011	1.2954	-0.1074
SNB-Ab1	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	0.0012	1.2327	-0.0464
SNB-Ab2	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	0.0014	1.2308	-0.1071
SNB-Ac1	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	0.0015	1.1685	-0.0420
SNB-Ac2	0.0000	0.1755	-0.2575	-0.0000	-0.1755	0.2575	0.0009	1.1660	-0.1066
SNB-Ba1	0.0000	0.2194	-0.2788	-0.0000	-0.2194	0.2788	0.0015	1.0411	-0.0337
SNB-Ba2	0.0000	0.2194	-0.2788	-0.0000	-0.2194	0.2788	0.0008	1.0385	-0.1054
SNB-Bb1	0.0000	0.2194	-0.2788	-0.0000	-0.2194	0.2788	0.0012	0.9781	-0.0297
SNB-Bb2	0.0000	0.2194	-0.2788	-0.0000	-0.2194	0.2788	0.0013	0.9753	-0.1046
SNB-Bc1	0.0000	0.2194	-0.2788	-0.0000	-0.2194	0.2788	0.0014	0.9161	-0.0259
SNB-Bc2	0.0000	0.2194	-0.2788	-0.0000	-0.2194	0.2788	0.0008	0.9132	-0.1036

SNB-Ca1	0.0000	0.3134	-0.3714	-0.0000	-0.3134	0.3714	0.0017	0.7763	-0.0178
SNB-Ca2	0.0000	0.3134	-0.3714	-0.0000	-0.3134	0.3714	0.0006	0.7732	-0.1006
SNB-Cb1	0.0000	0.3134	-0.3714	-0.0000	-0.3134	0.3714	0.0019	0.6996	-0.0138
SNB-Cb2	0.0000	0.3134	-0.3714	-0.0000	-0.3134	0.3714	0.0004	0.6963	-0.0982
SNB-Da1	0.0000	0.3188	-0.4060	-0.0000	-0.3188	0.4060	0.0020	0.5568	-0.0076
SNB-Da2	0.0000	0.3188	-0.4060	-0.0000	-0.3188	0.4060	0.0003	0.5532	-0.0918
SNB-Db1	0.0000	0.3188	-0.4060	-0.0000	-0.3188	0.4060	0.0023	0.4916	-0.0056
SNB-Db2	0.0000	0.3188	-0.4060	-0.0000	-0.3188	0.4060	0.0001	0.4879	-0.0875
SNB-Ea1	0.0000	0.3264	-0.5363	-0.0000	-0.3264	0.5363	0.0018	0.3768	-0.0019
SNB-Ea2	0.0000	0.3264	-0.5363	-0.0000	-0.3264	0.5363	0.0007	0.3728	-0.0792
SNB-Eb1	0.0000	0.3264	-0.5363	-0.0000	-0.3264	0.5363	0.0020	0.3252	0.0002
SNB-Eb2	0.0000	0.3264	-0.5363	-0.0000	-0.3264	0.5363	0.0006	0.3211	-0.0753
SNB-Fa1	0.0000	0.4092	-0.7448	-0.0000	-0.4092	0.7448	0.0038	0.2130	0.0034
SNB-Fa2	0.0000	0.4092	-0.7448	-0.0000	-0.4092	0.7448	-0.0014	0.2089	-0.0639
SNB-Ga1	0.0000	0.3926	-0.8409	-0.0000	-0.3926	0.8409	0.0037	0.1111	0.0050
SNB-Ga2	0.0000	0.3926	-0.8409	-0.0000	-0.3926	0.8409	-0.0011	0.1064	-0.0481
SNB-Ha1	0.0000	0.3643	-0.8835	-0.0000	-0.3643	0.8835	0.0042	0.0427	0.0042
SNB-Ha2	0.0000	0.3643	-0.8835	-0.0000	-0.3643	0.8835	-0.0011	0.0372	-0.0302
SNB-Ia1	0.0000	0.3798	-0.9588	-0.0000	-0.3798	0.9588	0.0049	0.0103	0.0013
SNB-Ia2	0.0000	0.3798	-0.9588	-0.0000	-0.3798	0.9588	0.0004	0.0009	-0.0107

*** Analysis Results for Load Case No. 6 "DL + Ice Only" - Number of iterations in SAPS 9

Equilibrium Joint Positions and Rotations for Load Case "DL + Ice Only":

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	-0.001667	-0.001545	-0.08054	0.0000	0.0000	0.0000	4.331	-0.001545	179.9
RohnBP	-0.00203	-0.001103	-0.07245	0.0000	0.0000	0.0000	5.119	-0.001103	159.9
RohnCP	-0.002363	-0.000765	-0.06399	0.0000	0.0000	0.0000	5.907	-0.000765	139.9
RohnDP	-0.002659	-0.0005064	-0.05522	0.0000	0.0000	0.0000	6.692	-0.0005064	119.9
RohnEP	-0.002945	-0.0003047	-0.04598	0.0000	0.0000	0.0000	7.478	-0.0003047	99.95
RohnFP	-0.003241	-0.000172	-0.03693	0.0000	0.0000	0.0000	8.265	-0.000172	79.96
RohnGP	-0.00354	-8.477e-005	-0.02785	0.0000	0.0000	0.0000	9.051	-8.477e-005	59.97
RohnHP	-0.003795	-3.235e-005	-0.01875	0.0000	0.0000	0.0000	9.837	-3.235e-005	39.98
RohnIP	-0.00366	-6.172e-006	-0.009404	0.0000	0.0000	0.0000	10.63	-6.172e-006	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	-0.0008791	-0.001542	-0.07484	0.0000	0.0000	0.0000	2.332	-0.001542	179.9
SNB-BP	-0.001242	-0.001104	-0.06693	0.0000	0.0000	0.0000	3.12	-0.001104	159.9
SNB-CP	-0.001576	-0.0007672	-0.0589	0.0000	0.0000	0.0000	3.906	-0.0007672	139.9
SNB-DP	-0.001874	-0.0005047	-0.0507	0.0000	0.0000	0.0000	4.693	-0.0005047	119.9
SNB-EP	-0.002162	-0.0003059	-0.04229	0.0000	0.0000	0.0000	5.479	-0.0003059	99.96
SNB-FP	-0.002459	-0.0001732	-0.03404	0.0000	0.0000	0.0000	6.266	-0.0001732	79.97
SNB-GP	-0.002759	-8.526e-005	-0.02563	0.0000	0.0000	0.0000	7.052	-8.526e-005	59.97
SNB-HP	-0.003015	-3.249e-005	-0.0172	0.0000	0.0000	0.0000	7.838	-3.249e-005	39.98
SNB-IP	-0.00288	-6.385e-006	-0.008812	0.0000	0.0000	0.0000	8.625	-6.385e-006	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.0008805	-7.268e-005	-0.08062	0.0000	0.0000	0.0000	-2.166	-3.753	179.9
RohnA2	0.0008781	-0.003013	-0.08043	0.0000	0.0000	0.0000	-2.166	3.749	179.9
RohnB1	0.0009768	0.0006318	-0.07252	0.0000	0.0000	0.0000	-2.56	-4.434	159.9
RohnB2	0.0009775	-0.002839	-0.07234	0.0000	0.0000	0.0000	-2.56	4.432	159.9
RohnC1	0.001095	0.00123	-0.06406	0.0000	0.0000	0.0000	-2.953	-5.116	139.9
RohnC2	0.001097	-0.002764	-0.06391	0.0000	0.0000	0.0000	-2.953	5.115	139.9
RohnD1	0.001243	0.001749	-0.0553	0.0000	0.0000	0.0000	-3.346	-5.796	119.9
RohnD2	0.001242	-0.00276	-0.05516	0.0000	0.0000	0.0000	-3.346	5.795	119.9
RohnE1	0.001414	0.002211	-0.04605	0.0000	0.0000	0.0000	-3.739	-6.477	99.95
RohnE2	0.001415	-0.002823	-0.04533	0.0000	0.0000	0.0000	-3.739	6.476	99.95
RohnF1	0.001587	0.002614	-0.03698	0.0000	0.0000	0.0000	-4.132	-7.158	79.96
RohnF2	0.001588	-0.00296	-0.0369	0.0000	0.0000	0.0000	-4.132	7.157	79.96
RohnG1	0.001753	0.002971	-0.02789	0.0000	0.0000	0.0000	-4.526	-7.839	59.97
RohnG2	0.001754	-0.003141	-0.02783	0.0000	0.0000	0.0000	-4.526	7.839	59.97
RohnH1	0.001891	0.00325	-0.01877	0.0000	0.0000	0.0000	-4.919	-8.519	39.98
RohnH2	0.001891	-0.003315	-0.01873	0.0000	0.0000	0.0000	-4.919	8.519	39.98
RohnI1	0.001829	0.003163	-0.009413	0.0000	0.0000	0.0000	-5.313	-9.203	19.99
RohnI2	0.001829	-0.003175	-0.009398	0.0000	0.0000	0.0000	-5.313	9.203	19.99
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	0.0004853	-0.0007545	-0.07488	0.0000	0.0000	0.0000	-1.166	-2.021	179.9
SNB-A2	0.0004855	-0.00233	-0.07479	0.0000	0.0000	0.0000	-1.166	2.018	179.9
SNB-B1	0.0005831	-5.025e-005	-0.06697	0.0000	0.0000	0.0000	-1.56	-2.703	159.9
SNB-B2	0.0005831	-0.002158	-0.06687	0.0000	0.0000	0.0000	-1.56	2.701	159.9
SNB-C1	0.0007027	0.0005482	-0.05894	0.0000	0.0000	0.0000	-1.953	-3.384	139.9
SNB-C2	0.0007028	-0.002083	-0.05884	0.0000	0.0000	0.0000	-1.953	3.382	139.9
SNB-D1	0.0008511	0.001069	-0.05075	0.0000	0.0000	0.0000	-2.347	-4.065	119.9
SNB-D2	0.0008514	-0.002079	-0.05066	0.0000	0.0000	0.0000	-2.347	4.064	119.9
SNB-E1	0.001023	0.001533	-0.04233	0.0000	0.0000	0.0000	-2.739	-4.745	99.96
SNB-E2	0.001023	-0.002145	-0.04226	0.0000	0.0000	0.0000	-2.739	4.745	99.96
SNB-F1	0.001196	0.001937	-0.03407	0.0000	0.0000	0.0000	-3.133	-5.426	79.97
SNB-F2	0.001196	-0.002283	-0.03401	0.0000	0.0000	0.0000	-3.133	5.426	79.97
SNB-G1	0.001363	0.002294	-0.02566	0.0000	0.0000	0.0000	-3.526	-6.108	59.97
SNB-G2	0.001363	-0.002465	-0.02562	0.0000	0.0000	0.0000	-3.526	6.107	59.97
SNB-H1	0.001501	0.002575	-0.01721	0.0000	0.0000	0.0000	-3.919	-6.788	39.98
SNB-H2	0.001501	-0.002639	-0.01719	0.0000	0.0000	0.0000	-3.919	6.788	39.98
SNB-I1	0.001439	0.002487	-0.008619	0.0000	0.0000	0.0000	-4.313	-7.47	19.99
SNB-I2	0.001439	-0.0025	-0.008607	0.0000	0.0000	0.0000	-4.313	7.47	19.99
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	-0.001726	-0.001423	-0.07855	0.0000	0.0000	0.0000	4.528	-0.001423	174.9
RohnAbS	-0.001849	-0.001311	-0.07654	0.0000	0.0000	0.0000	4.725	-0.001311	169.9
RohnAcS	-0.001886	-0.001201	-0.0745	0.0000	0.0000	0.0000	4.922	-0.001201	164.9
RohnBaS	-0.002046	-0.001007	-0.07038	0.0000	0.0000	0.0000	5.316	-0.001007	154.9
RohnBbS	-0.002213	-0.0009227	-0.0683	0.0000	0.0000	0.0000	5.513	-0.0009227	149.9
RohnBcS	-0.00219	-0.0008404	-0.06615	0.0000	0.0000	0.0000	5.71	-0.0008404	144.9
RohnCaS	-0.002369	-0.0006733	-0.06112	0.0000	0.0000	0.0000	6.168	-0.0006733	133.3
RohnCbS	-0.002453	-0.0005839	-0.05817	0.0000	0.0000	0.0000	6.431	-0.0005839	126.6
RohnDaS	-0.00262	-0.0004289	-0.05217	0.0000	0.0000	0.0000	6.954	-0.0004289	113.3
RohnDbS	-0.002707	-0.0003589	-0.04907	0.0000	0.0000	0.0000	7.217	-0.0003589	106.6
RohnEaS	-0.002962	-0.0002544	-0.04299	0.0000	0.0000	0.0000	7.74	-0.0002544	93.3

RohnEbS	-0.003046	-0.0002103	-0.03996	0.0000	0.0000	0.0000	8.003	-0.0002103	86.62
RohnFaS	-0.003038	-0.0001184	-0.0324	0.0000	0.0000	0.0000	8.658	-0.0001184	69.97
RohnGaS	-0.003389	-5.134e-005	-0.02331	0.0000	0.0000	0.0000	9.445	-5.134e-005	49.98
RohnHaS	-0.003897	-1.308e-005	-0.01412	0.0000	0.0000	0.0000	10.23	-1.308e-005	29.99
RohnIaS	-0.006172	8.738e-007	-0.00501	0.0000	0.0000	0.0000	11.02	8.738e-007	9.995
SNB-AaS	-0.0009377	-0.001424	-0.07288	0.0000	0.0000	0.0000	2.529	-0.001424	174.9
SNB-AbS	-0.001061	-0.001311	-0.07091	0.0000	0.0000	0.0000	2.726	-0.001311	169.9
SNB-AcS	-0.001099	-0.001201	-0.06892	0.0000	0.0000	0.0000	2.923	-0.001201	164.9
SNB-BaS	-0.001258	-0.001009	-0.06493	0.0000	0.0000	0.0000	3.316	-0.001009	154.9
SNB-BbS	-0.001426	-0.0009238	-0.06293	0.0000	0.0000	0.0000	3.513	-0.0009238	149.9
SNB-BcS	-0.001403	-0.000841	-0.06092	0.0000	0.0000	0.0000	3.71	-0.000841	144.9
SNB-CaS	-0.001583	-0.0006706	-0.05619	0.0000	0.0000	0.0000	4.168	-0.0006706	133.3
SNB-CbS	-0.001667	-0.0005829	-0.05344	0.0000	0.0000	0.0000	4.431	-0.0005829	126.6
SNB-DaS	-0.001836	-0.0004274	-0.04792	0.0000	0.0000	0.0000	4.955	-0.0004274	113.3
SNB-DbS	-0.001923	-0.0003604	-0.0451	0.0000	0.0000	0.0000	5.217	-0.0003604	106.6
SNB-EaS	-0.002179	-0.0002551	-0.03955	0.0000	0.0000	0.0000	5.741	-0.0002551	93.3
SNB-EbS	-0.002264	-0.0002108	-0.03679	0.0000	0.0000	0.0000	6.004	-0.0002108	86.62
SNB-FaS	-0.002257	-0.0001193	-0.02983	0.0000	0.0000	0.0000	6.659	-0.0001193	69.97
SNB-GaS	-0.002609	-5.171e-005	-0.02142	0.0000	0.0000	0.0000	7.445	-5.171e-005	49.98
SNB-HaS	-0.003116	-1.345e-005	-0.01296	0.0000	0.0000	0.0000	8.231	-1.345e-005	29.99
SNB-IaS	-0.00539	7.387e-007	-0.004681	0.0000	0.0000	0.0000	9.016	7.387e-007	9.995
RohnAa1	0.000887	8.352e-005	-0.07863	0.0000	0.0000	0.0000	-2.264	-3.923	174.9
RohnAa2	0.0008888	-0.002933	-0.07843	0.0000	0.0000	0.0000	-2.264	3.92	174.9
RohnAb1	0.0009268	0.0002895	-0.07661	0.0000	0.0000	0.0000	-2.363	-4.093	169.9
RohnAb2	0.0009277	-0.002912	-0.07642	0.0000	0.0000	0.0000	-2.363	4.091	169.9
RohnAc1	0.0009211	0.00042	-0.07458	0.0000	0.0000	0.0000	-2.461	-4.264	164.9
RohnAc2	0.0009246	-0.002828	-0.07438	0.0000	0.0000	0.0000	-2.461	4.261	164.9
RohnBa1	0.0009655	0.0007311	-0.07045	0.0000	0.0000	0.0000	-2.658	-4.605	154.9
RohnBa2	0.0009696	-0.002752	-0.07027	0.0000	0.0000	0.0000	-2.658	4.603	154.9
RohnBb1	0.001038	0.0009541	-0.06837	0.0000	0.0000	0.0000	-2.756	-4.775	149.9
RohnBb2	0.001039	-0.002801	-0.0682	0.0000	0.0000	0.0000	-2.756	4.773	149.9
RohnBc1	0.001016	0.00101	-0.06622	0.0000	0.0000	0.0000	-2.855	-4.946	144.9
RohnBc2	0.001019	-0.002695	-0.06606	0.0000	0.0000	0.0000	-2.855	4.944	144.9
RohnCa1	0.001092	0.001327	-0.06119	0.0000	0.0000	0.0000	-3.084	-5.343	133.3
RohnCa2	0.001093	-0.002675	-0.06104	0.0000	0.0000	0.0000	-3.084	5.341	133.3
RohnCb1	0.001134	0.001486	-0.05825	0.0000	0.0000	0.0000	-3.215	-5.57	126.6
RohnCb2	0.001137	-0.002658	-0.0581	0.0000	0.0000	0.0000	-3.215	5.569	126.6
RohnDa1	0.001231	0.001795	-0.05225	0.0000	0.0000	0.0000	-3.477	-6.023	113.3
RohnDa2	0.001232	-0.002655	-0.05211	0.0000	0.0000	0.0000	-3.477	6.022	113.3
RohnDb1	0.001284	0.001942	-0.04915	0.0000	0.0000	0.0000	-3.608	-6.25	106.6
RohnDb2	0.001289	-0.002667	-0.04902	0.0000	0.0000	0.0000	-3.608	6.249	106.6
RohnEa1	0.001431	0.00228	-0.04305	0.0000	0.0000	0.0000	-3.87	-6.703	93.3
RohnEa2	0.001433	-0.002793	-0.04295	0.0000	0.0000	0.0000	-3.87	6.703	93.3
RohnEb1	0.001481	0.002402	-0.04002	0.0000	0.0000	0.0000	-4.001	-6.931	86.62
RohnEb2	0.001483	-0.002826	-0.03992	0.0000	0.0000	0.0000	-4.001	6.931	86.62
RohnFa1	0.001493	0.002493	-0.03244	0.0000	0.0000	0.0000	-4.329	-7.499	69.97
RohnFa2	0.001499	-0.002741	-0.03237	0.0000	0.0000	0.0000	-4.329	7.498	69.97
RohnGa1	0.001682	0.002874	-0.02334	0.0000	0.0000	0.0000	-4.722	-8.179	49.98
RohnGa2	0.001686	-0.002984	-0.02329	0.0000	0.0000	0.0000	-4.722	8.179	49.98
RohnHa1	0.001943	0.003356	-0.01414	0.0000	0.0000	0.0000	-5.116	-8.861	29.99
RohnHa2	0.001947	-0.003389	-0.01411	0.0000	0.0000	0.0000	-5.116	8.861	29.99
RohnIa1	0.003085	0.005343	-0.005015	0.0000	0.0000	0.0000	-5.509	-9.543	9.995
RohnIa2	0.003087	-0.005346	-0.005007	0.0000	0.0000	0.0000	-5.509	9.543	9.995
SNB-Aa1	0.0004916	-0.0005982	-0.07292	0.0000	0.0000	0.0000	-1.265	-2.192	174.9
SNB-Aa2	0.0004929	-0.002252	-0.07282	0.0000	0.0000	0.0000	-1.265	2.189	174.9
SNB-Ab1	0.0005323	-0.0003925	-0.07095	0.0000	0.0000	0.0000	-1.363	-2.362	169.9
SNB-Ab2	0.000533	-0.002231	-0.07085	0.0000	0.0000	0.0000	-1.363	2.359	169.9
SNB-Ac1	0.0005277	-0.0002625	-0.06896	0.0000	0.0000	0.0000	-1.461	-2.533	164.9
SNB-Ac2	0.000531	-0.002146	-0.06886	0.0000	0.0000	0.0000	-1.461	2.53	164.9
SNB-Ba1	0.0005734	4.823e-005	-0.06497	0.0000	0.0000	0.0000	-1.658	-2.873	154.9
SNB-Ba2	0.0005758	-0.00207	-0.06487	0.0000	0.0000	0.0000	-1.658	2.871	154.9
SNB-Bb1	0.0006455	0.0002716	-0.06298	0.0000	0.0000	0.0000	-1.757	-3.043	149.9
SNB-Bb2	0.0006458	-0.00212	-0.06287	0.0000	0.0000	0.0000	-1.757	3.042	149.9
SNB-Bc1	0.0006223	0.0003284	-0.06096	0.0000	0.0000	0.0000	-1.855	-3.214	144.9
SNB-Bc2	0.0006245	-0.002014	-0.06086	0.0000	0.0000	0.0000	-1.855	3.212	144.9
SNB-Ca1	0.0006992	0.0006464	-0.05623	0.0000	0.0000	0.0000	-2.084	-3.611	133.3
SNB-Ca2	0.0007019	-0.001992	-0.05613	0.0000	0.0000	0.0000	-2.084	3.609	133.3
SNB-Cb1	0.0007414	0.0008059	-0.05349	0.0000	0.0000	0.0000	-2.216	-3.838	126.6
SNB-Cb2	0.0007447	-0.001977	-0.05339	0.0000	0.0000	0.0000	-2.216	3.837	126.6
SNB-Da1	0.0008384	0.001116	-0.04797	0.0000	0.0000	0.0000	-2.478	-4.292	113.3
SNB-Da2	0.0008414	-0.001975	-0.04788	0.0000	0.0000	0.0000	-2.478	4.291	113.3
SNB-Db1	0.0008918	0.001263	-0.04514	0.0000	0.0000	0.0000	-2.609	-4.519	106.6
SNB-Db2	0.0008951	-0.00199	-0.04506	0.0000	0.0000	0.0000	-2.609	4.518	106.6
SNB-Ea1	0.001039	0.001602	-0.03959	0.0000	0.0000	0.0000	-2.87	-4.972	93.3
SNB-Ea2	0.001041	-0.002115	-0.03952	0.0000	0.0000	0.0000	-2.87	4.972	93.3
SNB-Eb1	0.00109	0.001725	-0.03683	0.0000	0.0000	0.0000	-3.002	-5.2	86.62
SNB-Eb2	0.001092	-0.002149	-0.03676	0.0000	0.0000	0.0000	-3.002	5.199	86.62
SNB-Fa1	0.001102	0.001816	-0.02986	0.0000	0.0000	0.0000	-3.33	-5.767	69.97
SNB-Fa2	0.001107	-0.002064	-0.02981	0.0000	0.0000	0.0000	-3.33	5.767	69.97
SNB-Ga1	0.001292	0.002197	-0.02144	0.0000	0.0000	0.0000	-3.723	-6.448	49.98
SNB-Ga2	0.001296	-0.002308	-0.02141	0.0000	0.0000	0.0000	-3.723	6.448	49.98

SNB-Ha1	0.001553	0.00268	-0.01297	0.0000	0.0000	0.0000	-4.116	-7.129	29.99
SNB-Ha2	0.001557	-0.002713	-0.01295	0.0000	0.0000	0.0000	-4.116	7.129	29.99
SNB-Ia1	0.002694	0.004667	-0.004685	0.0000	0.0000	0.0000	-4.508	-7.808	9.995
SNB-Ia2	0.002696	-0.004669	-0.004679	0.0000	0.0000	0.0000	-4.508	7.808	9.995

Joint Support Reactions for Load Case "DL + Ice Only":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %
RohnJP	5.03	0.0	-0.00	0.0	21.92	0.0	0.0	22.49	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	11.41	0.0	-0.00	0.0	19.22	0.0	0.0	21.50	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	-2.51	0.0	-4.35	0.0	22.06	0.0	0.0	22.62	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	-2.52	0.0	4.36	0.0	21.94	0.0	0.0	22.41	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	-5.71	0.0	-9.88	0.0	19.38	0.0	0.0	21.64	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	-5.71	0.0	9.88	0.0	19.11	0.0	0.0	21.41	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "DL + Ice Only":

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	0.0000	0.0000	-0.7199	-0.0000	-0.0000	0.7199	-0.0017	-0.0015	-0.0805
RohnBP	0.0000	0.0000	-0.7659	-0.0000	-0.0000	0.7659	-0.0020	-0.0011	-0.0725
RohnCP	0.0000	0.0000	-0.8907	-0.0000	-0.0000	0.8907	-0.0024	-0.0008	-0.0640
RohnDP	0.0000	0.0000	-1.6173	-0.0000	-0.0000	1.6173	-0.0027	-0.0005	-0.0552
RohnEP	0.0000	0.0000	-0.9422	-0.0000	-0.0000	0.9422	-0.0029	-0.0003	-0.0460
RohnFP	0.0000	0.0000	-1.3026	-0.0000	-0.0000	1.3026	-0.0032	-0.0002	-0.0369
RohnGP	0.0000	0.0000	-1.6057	-0.0000	-0.0000	1.6057	-0.0035	-0.0001	-0.0279
RohnHP	0.0000	0.0000	-1.7244	-0.0000	-0.0000	1.7244	-0.0038	-0.0000	-0.0187
RohnIP	0.0000	0.0000	-1.8423	-0.0000	-0.0000	1.8423	-0.0037	-0.0000	-0.0094
RohnJP	0.0000	0.0000	-0.9588	-5.0283	0.0007	-20.9574	0.0000	0.0000	0.0000
SNB-AP	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	-0.0009	-0.0015	-0.0748
SNB-BP	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	-0.0012	-0.0011	-0.0669
SNB-CP	0.0000	0.0000	-0.6503	-0.0000	-0.0000	0.6503	-0.0016	-0.0008	-0.0589
SNB-DP	0.0000	0.0000	-0.7774	-0.0000	-0.0000	0.7774	-0.0019	-0.0005	-0.0507
SNB-EP	0.0000	0.0000	-0.9422	-0.0000	-0.0000	0.9422	-0.0022	-0.0003	-0.0423
SNB-FP	0.0000	0.0000	-1.2811	-0.0000	-0.0000	1.2811	-0.0025	-0.0002	-0.0340
SNB-GP	0.0000	0.0000	-1.5857	-0.0000	-0.0000	1.5857	-0.0028	-0.0001	-0.0256
SNB-HP	0.0000	0.0000	-1.7244	-0.0000	-0.0000	1.7244	-0.0030	-0.0000	-0.0172
SNB-IP	0.0000	0.0000	-1.8423	0.0000	-0.0000	1.8423	-0.0029	-0.0000	-0.0086
SNB-JP	0.0000	0.0000	-0.9588	-11.4119	0.0017	-17.2586	0.0000	0.0000	0.0000
RohnA1	0.0000	0.0000	-0.7245	0.0000	-0.0000	0.7245	0.0009	-0.0001	-0.0806
RohnA2	0.0000	0.0000	-0.6973	0.0000	-0.0000	0.6973	0.0009	-0.0030	-0.0804
RohnB1	0.0000	0.0000	-0.7011	0.0000	-0.0000	0.7011	0.0010	0.0006	-0.0725
RohnB2	0.0000	0.0000	-0.6313	0.0000	-0.0000	0.6313	0.0010	-0.0028	-0.0723
RohnC1	0.0000	0.0000	-0.7207	0.0000	-0.0000	0.7207	0.0011	0.0012	-0.0641
RohnC2	0.0000	0.0000	-0.8807	0.0000	-0.0000	0.8807	0.0011	-0.0028	-0.0639
RohnD1	0.0000	0.0000	-1.6173	0.0000	-0.0000	1.6173	0.0012	0.0017	-0.0553
RohnD2	0.0000	0.0000	-1.6173	0.0000	-0.0000	1.6173	0.0012	-0.0028	-0.0552
RohnE1	0.0000	0.0000	-0.9422	0.0000	-0.0000	0.9422	0.0014	0.0022	-0.0460
RohnE2	0.0000	0.0000	-0.9422	0.0000	-0.0000	0.9422	0.0014	-0.0028	-0.0459
RohnF1	0.0000	0.0000	-1.3521	0.0000	-0.0000	1.3521	0.0016	0.0026	-0.0370
RohnF2	0.0000	0.0000	-1.3026	0.0000	-0.0000	1.3026	0.0016	-0.0030	-0.0369
RohnG1	0.0000	0.0000	-1.5857	0.0000	-0.0000	1.5857	0.0018	0.0030	-0.0279
RohnG2	0.0000	0.0000	-1.5857	0.0000	-0.0000	1.5857	0.0018	-0.0031	-0.0278
RohnH1	0.0000	0.0000	-1.7244	0.0000	-0.0000	1.7244	0.0019	0.0033	-0.0188
RohnH2	0.0000	0.0000	-1.7244	0.0000	-0.0000	1.7244	0.0019	-0.0033	-0.0187
RohnI1	0.0000	0.0000	-1.8423	-0.0000	-0.0000	1.8423	0.0018	0.0032	-0.0094
RohnI2	0.0000	0.0000	-1.8623	0.0000	-0.0000	1.8623	0.0018	-0.0032	-0.0094
RohnJ1	0.0000	0.0000	-0.9588	2.5127	4.3525	-21.0966	0.0000	0.0000	0.0000
RohnJ2	0.0000	0.0000	-0.9588	2.5155	-4.3560	-20.8787	0.0000	0.0000	0.0000
SNB-A1	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	0.0005	-0.0008	-0.0749
SNB-A2	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	0.0005	-0.0023	-0.0748
SNB-B1	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	0.0006	-0.0001	-0.0670
SNB-B2	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	0.0006	-0.0022	-0.0669
SNB-C1	0.0000	0.0000	-0.6503	-0.0000	-0.0000	0.6503	0.0007	0.0005	-0.0589
SNB-C2	0.0000	0.0000	-0.6503	-0.0000	-0.0000	0.6503	0.0007	-0.0021	-0.0588
SNB-D1	0.0000	0.0000	-0.7774	-0.0000	-0.0000	0.7774	0.0009	0.0011	-0.0508
SNB-D2	0.0000	0.0000	-0.7774	-0.0000	-0.0000	0.7774	0.0009	-0.0021	-0.0507
SNB-E1	0.0000	0.0000	-0.9422	-0.0000	-0.0000	0.9422	0.0010	0.0015	-0.0423
SNB-E2	0.0000	0.0000	-0.9422	-0.0000	-0.0000	0.9422	0.0010	-0.0021	-0.0423
SNB-F1	0.0000	0.0000	-1.2811	-0.0000	-0.0000	1.2811	0.0012	0.0019	-0.0341
SNB-F2	0.0000	0.0000	-1.2811	-0.0000	-0.0000	1.2811	0.0012	-0.0023	-0.0340
SNB-G1	0.0000	0.0000	-1.5857	-0.0000	-0.0000	1.5857	0.0014	0.0023	-0.0257
SNB-G2	0.0000	0.0000	-1.5857	-0.0000	-0.0000	1.5857	0.0014	-0.0025	-0.0256
SNB-H1	0.0000	0.0000	-1.7244	-0.0000	-0.0000	1.7244	0.0015	0.0026	-0.0172

SNB-H2	0.0000	0.0000	-1.7244	-0.0000	-0.0000	1.7244	0.0015	-0.0026	-0.0172
SNB-I1	0.0000	0.0000	-1.8423	0.0000	-0.0000	1.8423	0.0014	0.0025	-0.0086
SNB-I2	0.0000	0.0000	-1.8423	-0.0000	-0.0000	1.8423	0.0014	-0.0025	-0.0086
SNB-J1	0.0000	0.0000	-0.9588	5.7054	9.8834	-17.4248	0.0000	0.0000	0.0000
SNB-J2	0.0000	0.0000	-0.9588	5.7066	-9.8821	-17.1549	0.0000	0.0000	0.0000
RohnAaS	0.0000	0.0000	-0.2802	-0.0000	-0.0000	0.2802	-0.0017	-0.0014	-0.0785
RohnAbS	0.0000	0.0000	-0.4575	-0.0000	-0.0000	0.4575	-0.0018	-0.0013	-0.0765
RohnAcS	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	-0.0019	-0.0012	-0.0745
RohnBaS	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	-0.0020	-0.0010	-0.0704
RohnBbS	0.0000	0.0000	-1.2538	-0.0000	-0.0000	1.2538	-0.0022	-0.0009	-0.0683
RohnBcS	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	-0.0022	-0.0008	-0.0661
RohnCaS	0.0000	0.0000	-1.0682	-0.0000	-0.0000	1.0682	-0.0024	-0.0007	-0.0611
RohnCbS	0.0000	0.0000	-0.3714	-0.0000	-0.0000	0.3714	-0.0025	-0.0006	-0.0582
RohnDaS	0.0000	0.0000	-0.4060	-0.0000	-0.0000	0.4060	-0.0026	-0.0004	-0.0522
RohnDbS	0.0000	0.0000	-0.4060	-0.0000	-0.0000	0.4060	-0.0027	-0.0004	-0.0491
RohnEaS	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	-0.0030	-0.0003	-0.0430
RohnEbS	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	-0.0030	-0.0002	-0.0400
RohnFaS	0.0000	0.0000	-0.7448	-0.0000	-0.0000	0.7448	-0.0030	-0.0001	-0.0324
RohnGaS	0.0000	0.0000	-0.8409	-0.0000	-0.0000	0.8409	-0.0034	-0.0001	-0.0233
RohnHaS	0.0000	0.0000	-0.8835	-0.0000	-0.0000	0.8835	-0.0039	-0.0000	-0.0141
RohnIaS	0.0000	0.0000	-0.9588	0.0000	-0.0000	0.9588	-0.0062	0.0000	-0.0050
SNB-AaS	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	-0.0009	-0.0014	-0.0729
SNB-AbS	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	-0.0011	-0.0013	-0.0709
SNB-AcS	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	-0.0011	-0.0012	-0.0689
SNB-BaS	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	-0.0013	-0.0010	-0.0649
SNB-BbS	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	-0.0014	-0.0009	-0.0629
SNB-BcS	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	-0.0014	-0.0008	-0.0609
SNB-CaS	0.0000	0.0000	-0.3714	-0.0000	-0.0000	0.3714	-0.0016	-0.0007	-0.0562
SNB-CbS	0.0000	0.0000	-0.3714	-0.0000	-0.0000	0.3714	-0.0017	-0.0006	-0.0534
SNB-DaS	0.0000	0.0000	-0.4060	-0.0000	-0.0000	0.4060	-0.0018	-0.0004	-0.0479
SNB-DbS	0.0000	0.0000	-0.4060	-0.0000	-0.0000	0.4060	-0.0019	-0.0004	-0.0451
SNB-EaS	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	-0.0022	-0.0003	-0.0396
SNB-EbS	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	-0.0023	-0.0002	-0.0368
SNB-FaS	0.0000	0.0000	-0.7448	0.0000	-0.0000	0.7448	-0.0023	-0.0001	-0.0298
SNB-GaS	0.0000	0.0000	-0.8409	-0.0000	-0.0000	0.8409	-0.0026	-0.0001	-0.0214
SNB-HaS	0.0000	0.0000	-0.8835	0.0000	-0.0000	0.8835	-0.0031	-0.0000	-0.0130
SNB-IaS	0.0000	0.0000	-0.9588	-0.0000	-0.0000	0.9588	-0.0054	0.0000	-0.0047
RohnAa1	0.0000	0.0000	-0.4775	0.0000	-0.0000	0.4775	0.0009	0.0001	-0.0786
RohnAa2	0.0000	0.0000	-0.2802	0.0000	-0.0000	0.2802	0.0009	-0.0029	-0.0784
RohnAb1	0.0000	0.0000	-0.2975	0.0000	-0.0000	0.2975	0.0009	0.0003	-0.0766
RohnAb2	0.0000	0.0000	-0.2575	0.0000	-0.0000	0.2575	0.0009	-0.0029	-0.0764
RohnAc1	0.0000	0.0000	-0.3875	0.0000	-0.0000	0.3875	0.0009	0.0004	-0.0746
RohnAc2	0.0000	0.0000	-0.2575	0.0000	-0.0000	0.2575	0.0009	-0.0028	-0.0744
RohnBa1	0.0000	0.0000	-0.2788	0.0000	-0.0000	0.2788	0.0010	0.0007	-0.0704
RohnBa2	0.0000	0.0000	-0.2788	0.0000	-0.0000	0.2788	0.0010	-0.0028	-0.0703
RohnBb1	0.0000	0.0000	-1.2338	0.0000	-0.0000	1.2338	0.0010	0.0010	-0.0684
RohnBb2	0.0000	0.0000	-1.2338	0.0000	-0.0000	1.2338	0.0010	-0.0028	-0.0682
RohnBc1	0.0000	0.0000	-0.3538	0.0000	-0.0000	0.3538	0.0010	0.0010	-0.0662
RohnBc2	0.0000	0.0000	-0.2788	0.0000	-0.0000	0.2788	0.0010	-0.0027	-0.0661
RohnCa1	0.0000	0.0000	-1.1156	0.0000	-0.0000	1.1156	0.0011	0.0013	-0.0612
RohnCa2	0.0000	0.0000	-1.0682	0.0000	-0.0000	1.0682	0.0011	-0.0027	-0.0610
RohnCb1	0.0000	0.0000	-0.3714	0.0000	-0.0000	0.3714	0.0011	0.0015	-0.0582
RohnCb2	0.0000	0.0000	-0.3714	0.0000	-0.0000	0.3714	0.0011	-0.0027	-0.0581
RohnDa1	0.0000	0.0000	-0.6510	0.0000	-0.0000	0.6510	0.0012	0.0018	-0.0523
RohnDa2	0.0000	0.0000	-0.4060	0.0000	-0.0000	0.4060	0.0012	-0.0027	-0.0521
RohnDb1	0.0000	0.0000	-0.4810	0.0000	-0.0000	0.4810	0.0013	0.0019	-0.0491
RohnDb2	0.0000	0.0000	-0.4060	0.0000	-0.0000	0.4060	0.0013	-0.0027	-0.0490
RohnEa1	0.0000	0.0000	-0.5363	0.0000	-0.0000	0.5363	0.0014	0.0023	-0.0430
RohnEa2	0.0000	0.0000	-0.5363	0.0000	-0.0000	0.5363	0.0014	-0.0028	-0.0429
RohnEb1	0.0000	0.0000	-0.6113	0.0000	-0.0000	0.6113	0.0015	0.0024	-0.0400
RohnEb2	0.0000	0.0000	-0.5363	0.0000	-0.0000	0.5363	0.0015	-0.0028	-0.0399
RohnFa1	0.0000	0.0000	-0.7448	0.0000	-0.0000	0.7448	0.0015	0.0025	-0.0324
RohnFa2	0.0000	0.0000	-0.7448	0.0000	-0.0000	0.7448	0.0015	-0.0027	-0.0324
RohnGa1	0.0000	0.0000	-0.8409	0.0000	-0.0000	0.8409	0.0017	0.0029	-0.0233
RohnGa2	0.0000	0.0000	-0.8409	0.0000	-0.0000	0.8409	0.0017	-0.0030	-0.0233
RohnHa1	0.0000	0.0000	-0.8835	-0.0000	-0.0000	0.8835	0.0019	0.0034	-0.0141
RohnHa2	0.0000	0.0000	-0.8835	0.0000	-0.0000	0.8835	0.0019	-0.0034	-0.0141
RohnIa1	0.0000	0.0000	-0.9588	0.0000	-0.0000	0.9588	0.0031	0.0053	-0.0050
RohnIa2	0.0000	0.0000	-0.9588	0.0000	-0.0000	0.9588	0.0031	-0.0053	-0.0050
SNB-Aa1	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	0.0005	-0.0006	-0.0729
SNB-Aa2	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	0.0005	-0.0023	-0.0728
SNB-Ab1	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	0.0005	-0.0004	-0.0709
SNB-Ab2	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	0.0005	-0.0022	-0.0708
SNB-Ac1	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	0.0005	-0.0003	-0.0690
SNB-Ac2	0.0000	0.0000	-0.2575	-0.0000	-0.0000	0.2575	0.0005	-0.0021	-0.0689
SNB-Ba1	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	0.0006	0.0000	-0.0650
SNB-Ba2	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	0.0006	-0.0021	-0.0649
SNB-Bb1	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	0.0006	0.0003	-0.0630
SNB-Bb2	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	0.0006	-0.0021	-0.0629
SNB-Bc1	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	0.0006	0.0003	-0.0610
SNB-Bc2	0.0000	0.0000	-0.2788	-0.0000	-0.0000	0.2788	0.0006	-0.0020	-0.0609

SNB-Ca1	0.0000	0.0000	-0.3714	-0.0000	-0.0000	0.3714	0.0007	0.0006	-0.0562
SNB-Ca2	0.0000	0.0000	-0.3714	-0.0000	-0.0000	0.3714	0.0007	-0.0020	-0.0561
SNB-Cb1	0.0000	0.0000	-0.3714	-0.0000	-0.0000	0.3714	0.0007	0.0008	-0.0535
SNB-Cb2	0.0000	0.0000	-0.3714	-0.0000	-0.0000	0.3714	0.0007	-0.0020	-0.0534
SNB-Da1	0.0000	0.0000	-0.4060	-0.0000	-0.0000	0.4060	0.0008	0.0011	-0.0480
SNB-Da2	0.0000	0.0000	-0.4060	-0.0000	-0.0000	0.4060	0.0008	-0.0020	-0.0479
SNB-Db1	0.0000	0.0000	-0.4060	-0.0000	-0.0000	0.4060	0.0009	0.0013	-0.0451
SNB-Db2	0.0000	0.0000	-0.4060	-0.0000	-0.0000	0.4060	0.0009	-0.0020	-0.0451
SNB-Ea1	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	0.0010	0.0016	-0.0396
SNB-Ea2	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	0.0010	-0.0021	-0.0395
SNB-Eb1	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	0.0011	0.0017	-0.0368
SNB-Eb2	0.0000	0.0000	-0.5363	-0.0000	-0.0000	0.5363	0.0011	-0.0021	-0.0368
SNB-Fa1	0.0000	0.0000	-0.7448	-0.0000	-0.0000	0.7448	0.0011	0.0018	-0.0299
SNB-Fa2	0.0000	0.0000	-0.7448	-0.0000	-0.0000	0.7448	0.0011	-0.0021	-0.0298
SNB-Ga1	0.0000	0.0000	-0.8409	-0.0000	-0.0000	0.8409	0.0013	0.0022	-0.0214
SNB-Ga2	0.0000	0.0000	-0.8409	-0.0000	-0.0000	0.8409	0.0013	-0.0023	-0.0214
SNB-Ha1	0.0000	0.0000	-0.8835	-0.0000	-0.0000	0.8835	0.0016	0.0027	-0.0130
SNB-Ha2	0.0000	0.0000	-0.8835	-0.0000	-0.0000	0.8835	0.0016	-0.0027	-0.0129
SNB-Ia1	0.0000	0.0000	-0.9588	-0.0000	-0.0000	0.9588	0.0027	0.0047	-0.0047
SNB-Ia2	0.0000	0.0000	-0.9588	0.0000	-0.0000	0.9588	0.0027	-0.0047	-0.0047

*** Overall summary for all load cases - Usage = Maximum Stress / Allowable Stress
Printed capacities do not include EIA allowable stress increase for wind load cases.
Printed capacities do not include the strength factor entered for each load case.
The Group Summary reports on the member and load case that resulted in maximum usage
which may not necessarily be the same as that which produces maximum force.

Group Summary (Compression Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Comp. %	Comp. Control Member	Comp. Force (kips)	Comp. Control Load Case	L/R Capacity (kips)	Comp. Conn. Shear Capacity (kips)	Comp. Conn. Bearing Capacity (kips)	RLX	RLY	RLZ	L/R	Length Comp. Member (ft)	Curve No.	No. Of Bolts Comp.
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	36.0	76.70	76.70	Rohn-DA71	-3.073	W+I 0 deg	3.005	16.200	8.156	0.500	0.500	0.500	175.53	10.034	4	1
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	97.48	97.48	Rohn-DB61	-4.971	W+I 0 deg	3.824	16.200	8.156	0.500	0.500	0.500	166.50	10.934	4	1
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	88.02	88.02	Rohn-DC61	-6.196	W+I 0 deg	5.280	16.200	8.156	0.500	0.500	0.500	159.72	13.177	4	1
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	93.56	93.56	Rohn-DD61	-7.191	W+I 0 deg	5.764	16.200	10.875	0.500	0.500	0.500	175.58	14.368	4	1
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	65.83	65.83	Rohn-DE61	-7.561	W+I 0 deg	8.615	16.200	12.187	0.500	0.500	0.500	157.99	15.589	4	1
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	65.88	65.88	Rohn-DF41	-8.841	W+I 0 deg	10.065	16.200	12.187	0.500	0.500	0.500	158.34	18.315	4	1
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	65.93	65.93	Rohn-DI21	-9.897	W+I 0 deg	11.259	16.200	12.187	0.500	0.500	0.500	160.41	21.254	4	1
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	15.52	15.52	Rohn-LA4P	-14.013	W+I 0 deg	67.718	0.000	0.000	1.000	1.000	1.000	52.67	5.004	1	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	35.43	35.43	Rohn-LB4P	-40.609	W+I 0 deg	85.952	0.000	0.000	1.000	1.000	1.000	45.84	5.004	1	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	56.57	56.57	Rohn-LC3P	-74.026	W+I 0 deg	98.153	0.000	0.000	1.000	1.000	1.000	54.04	6.665	1	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	81.60	81.60	Rohn-LD3P	-111.677	W+I 0 deg	102.644	0.000	0.000	1.000	1.000	1.000	42.54	6.665	1	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	74.48	74.48	Rohn-LE3P	-144.103	W+I 0 deg	145.117	0.000	0.000	1.000	1.000	1.000	43.23	6.665	1	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	83.88	83.88	Rohn-LF2P	-177.848	W+I 0 deg	159.025	0.000	0.000	1.000	1.000	1.000	54.10	10.008	1	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	97.45	97.45	Rohn-LH2P	-241.837	W+I 0 deg	186.124	0.000	0.000	1.000	1.000	1.000	54.59	10.008	1	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	79.66	79.66	Rohn-LI2P	-269.677	W+I 0 deg	253.910	0.000	0.000	1.000	1.000	1.000	40.57	10.008	1	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	15.63	15.63	Rohn-H12	-1.119	W+I 60 deg	5.372	0.000	0.000	0.500	0.500	0.500	131.28	7.505	4	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	13.71	13.71	SNB-DA71	-2.413	W+I 90 deg	13.207	16.200	13.594	0.500	0.500	0.500	111.38	7.240	1	1
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	23.63	23.63	SNB-DB62	-2.920	W+I -90 de	9.268	16.200	10.875	0.500	0.500	0.500	122.92	8.011	4	1
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	49.32	49.32	SNB-DD61	-7.312	W+I 0 deg	11.119	16.200	13.594	0.500	0.500	0.500	140.03	11.412	4	1
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	43.81	43.81	SNB-DE21	-9.464	W+I 0 deg	27.855	16.200	21.750	0.500	0.500	0.500	121.07	11.784	4	1
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	28.85	28.03	SNB-DF42	-8.969	W+I -90 de	39.016	24.000	26.100	0.500	0.500	0.500	119.15	15.529	1	1
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	39.25	36.91	SNB-DH11	-11.810	W+I 90 deg	39.490	24.000	32.625	0.500	0.500	0.500	132.03	17.142	4	1
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	72.17	72.17	SNB-DI11	-23.093	W+I 90 deg	66.757	24.000	32.625	0.500	0.500	0.500	112.06	18.267	1	1
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	12.64	12.64	SNB-LA4P	-12.661	W+I 0 deg	75.146	0.000	0.000	1.000	1.000	1.000	55.09	5.004	1	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	50.89	50.89	SNB-LC3P	-74.911	W+I 0 deg	110.397	0.000	0.000	1.000	1.000	1.000	56.33	6.665	1	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	84.04	84.04	SNB-LD3P	-121.317	W+I 0 deg	108.266	0.000	0.000	1.000	1.000	1.000	43.23	6.665	1	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	85.74	85.74	SNB-LF2P	-217.993	W+I 0 deg	190.683	0.000	0.000	1.000	1.000	1.000	55.86	10.008	1	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	98.47	98.47	SNB-LH2P	-320.186	W+I 0 deg	243.879	0.000	0.000	1.000	1.000	1.000	41.70	10.008	1	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	90.77	90.77	SNB-LI2P	-384.235	W+I 0 deg	317.480	0.000	0.000	1.000	1.000	1.000	33.08	10.008	1	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.04	0.01	Connect Ia1	-2.764	W+I 60 deg	17202.963	0.000	0.000	1.000	1.000	1.000	2.41	2.004	1	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	1.50	1.15	SNB-H41	-1.189	W+I 0 deg	77.281	0.000	0.000	0.500	0.500	0.500	44.46	8.132	1	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	5.77	1.68	SNB-H51	-2.662	W+I 0 deg	119.111	0.000	0.000	0.500	0.500	0.500	40.11	9.493	1	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	56.16	56.16	Rohn-DB81	-5.062	W+I 60 deg	6.759	16.200	16.312	0.500	0.500	0.500	173.34	11.238	4	1

Group Summary (Tension Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Tens. %	Tension Control Member	Tension Force (kips)	Tension Control Load Case	Net Tens. Section Capacity (kips)	Conn. Shear Capacity (kips)	Tens. Conn. Bearing Capacity (kips)	Tens. Conn. Rupture Capacity (kips)	Length Tens. Member (ft)	No. Of Bolts Tens.	No. Of Holes	Hole Diameter (in)
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	36.0	76.70	22.36	Rohn-DA81	2.431	W+I -60 de	10.681	16.200	8.156	8.684	10.034	1	1.000	0.6875
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	97.48	41.57	Rohn-DB5P	4.521	W+I 60 deg	12.639	16.200	8.156	9.527	10.934	1	1.000	0.6875
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	88.02	55.93	Rohn-DC31	6.082	W+I -90 de	16.815	16.200	8.156	10.195	12.798	1	1.000	0.6875
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	93.56	47.34	Rohn-DD3P	6.864	W+I 0 deg	22.144	16.200	10.875	13.594	13.977	1	1.000	0.6875
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	65.83	40.67	Rohn-DE51	6.609	W+I -90 de	30.910	16.200	12.187	15.234	15.589	1	1.000	0.6875
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	65.88	50.92	Rohn-DF1P	8.274	W+I 0 deg	37.004	16.200	12.187	15.234	17.748	1	1.000	0.6875
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	65.93	55.41	Rohn-DI3P	9.004	W+I 0 deg	43.098	16.200	12.187	15.234	21.860	1	1.000	0.6875
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	15.52	9.33	Rohn-LA41	10.559	W+I 60 deg	84.900	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	35.43	22.26	Rohn-LB42	30.633	W+I -60 de	103.200	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	56.57	34.70	Rohn-LC32	57.462	W+I -60 de	124.200	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	81.60	54.38	Rohn-LD32	87.651	W+I -60 de	120.900	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	74.48	49.46	Rohn-LE32	113.170	W+I -60 de	171.600	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	83.88	52.13	Rohn-LF22	139.926	W+I -60 de	201.300	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	97.45	59.28	Rohn-LH22	186.834	W+I -60 de	236.400	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	79.66	50.65	Rohn-LI22	199.773	W+I -60 de	295.800	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	15.63	5.40	Rohn-H12	0.964	W+I -90 de	13.392	0.000	0.000	0.000	7.505	0	0.000	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	13.71	13.58	SNB-DA71	2.462	W+I -90 de	20.340	16.200	13.594	15.879	7.240	1	1.000	0.6875
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	23.63	21.13	SNB-DB42	3.063	W+I 90 deg	16.707	16.200	10.875	12.703	7.747	1	1.000	0.6875
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	49.32	40.11	SNB-DD3P	7.270	W+I 0 deg	27.082	16.200	13.594	16.992	11.059	1	1.000	0.6875
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	43.81	42.34	SNB-DE11	9.146	W+I -90 de	52.336	16.200	21.750	27.187	11.784	1	1.000	0.6875
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	28.85	28.85	SNB-DF42	9.233	W+I 90 deg	72.726	24.000	26.100	32.625	15.529	1	1.000	0.8125
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	39.25	39.25	SNB-DH42	12.561	W+I 90 deg	89.222	24.000	32.625	40.781	17.700	1	1.000	0.8125

SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	72.17	68.83	SNB-DI42	22.026W+I	90 deg	116.410	24.000	32.625	40.781	18.841	1	1.000	0.8125
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	12.64	8.78	SNB-LA41	10.619W+I	60 deg	90.720	0.000	0.000	0.000	5.004	0	0.000	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	50.89	35.31	SNB-LC32	63.157W+I	-60 de	134.136	0.000	0.000	0.000	6.665	0	0.000	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	84.04	62.64	SNB-LD32	103.187W+I	-60 de	123.552	0.000	0.000	0.000	6.665	0	0.000	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	85.74	59.38	SNB-LF22	182.992W+I	-60 de	231.120	0.000	0.000	0.000	10.008	0	0.000	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	98.47	71.31	SNB-LH22	262.888W+I	-60 de	276.480	0.000	0.000	0.000	10.008	0	0.000	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	90.77	64.74	SNB-LI22	300.160W+I	-60 de	347.759	0.000	0.000	0.000	10.008	0	0.000	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.04	0.04	Connect IP	8.083 W+I	0 deg	17279.973	0.000	0.000	0.000	2.002	0	0.000	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	1.50	1.50	SNB-H42	1.769W+I	60 deg	88.668	0.000	0.000	0.000	8.132	0	0.000	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	5.77	5.77	SNB-H91	10.322W+I	90 deg	134.136	0.000	0.000	0.000	14.944	0	0.000	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	56.16	24.66	Rohn-DB7P	5.326 W+I	0 deg	23.973	16.200	16.312	19.055	11.238	1	1.000	0.6875

*** Maximum Stress Summary for Each Load Case

Summary of Maximum Usages by Load Case:

Load Case	Maximum Usage %	Element Label	Element Type
W+I -90 deg	87.93	Rohn-DB62	Angle
W+I -60 deg	76.50	Rohn-DB62	Angle
W+I 0 deg	98.47	SNB-LH2P	Angle
W+I 60 deg	82.50	Rohn-DB61	Angle
W+I 90 deg	88.55	Rohn-DB51	Angle
DL + Ice Only	30.11	SNB-DI11	Angle

*** Weight of structure (lbs):

Weight of Angles*Section DLF:	62797.0
Weight of Equipment:	11201.7
Total:	73998.7

*** End of Report

CONNECTION BETWEEN TOWERS EVALUATION

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Description	Tower Connection	Computed by	KAB	Sheet 1	of 1
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				Date	

Bolt Diameter $Dia_{bolt} := \frac{3}{4}in$

Bolt Shear Capacity $Capacity_{bolt} := 5.3kip$ Per AISC 9th Edition p. 4-5 for 3/4" A325 slip critical bolt

Shear Plane Area $Area_{plate} := \frac{3}{8}in \cdot \left(\frac{3}{4}in + 1in\right)$ $Area_{plate} = 0.6563 \cdot in^2$

Yield Strength of Plate $Fy_{plate} := 36ksi$

Plate Capacity $Capacity_{plate} := Area_{plate} \cdot Fy_{plate}$ $Capacity_{plate} = 23.625 \cdot kip$

U-Bolt Size $Dia_{ubolt} := \frac{1}{2}in$

U-Bolt Area $Area_{ubolt} := 2 \cdot \pi \left(\frac{Dia_{ubolt}}{2}\right)^2$ $Area_{ubolt} = 0.3927 \cdot in^2$

$Fy_{ubolt} := 58ksi$

$Capacity_{ubolt} := Area_{ubolt} \cdot Fy_{ubolt}$ $Capacity_{ubolt} = 22.7765 \cdot kip$

Connection Capacity $Capacity_{connection} := \min(Capacity_{bolt}, Capacity_{plate}, Capacity_{ubolt})$

$Capacity_{connection} = 5.3 \cdot kip$

Max Connection Spacing $Spacing := 5ft$

Connection Capacity per Foot $Capacity_{LF} := \frac{Capacity_{connection}}{Spacing}$ $Capacity_{LF} = 1.06 \cdot \frac{kip}{ft}$

Max Connection Force $F_{max} := 8.1kip$

Connection Spacing in PLS-Tower $Spacing_{PLS.Tower} := 10ft$

Connection Force per Foot $Force_{LF} := \frac{F_{max}}{Spacing_{PLS.Tower}}$ $Force_{LF} = 0.81 \cdot kip$

Percent Capacity $Percent_{capacity} := \frac{Force_{LF}}{Capacity_{LF}}$ $Percent_{capacity} = 76.4 \cdot \%$

Note: 1/3 increase in allowable stress per TIA/EIA-222-F is not included in these calculations

FOUNDATION EVALUATION

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		Checked by		Date			

From PLS-Tower Output Summary

Summary of Joint Support Reactions For All Load Cases:

Load Case	Joint Label	Long. Force (kips)	Tran. Force (kips)	Vert. Force (kips)	Shear Force (kips)	Tran. Moment (ft-k)	Long. Moment (ft-k)	Vert. Moment (ft-k)	Bending Moment (ft-k)	Found. Usage %
W+I -90 deg	RohnJP	5.18	2.61	21.9	5.8	0	0	0	0	0
W+I -90 deg	SNB-JP	11.55	6.26	18.23	13.14	0	0	0	0	0
W+I -90 deg	RohnJ1	3.44	8.55	223.95	9.22	0	0	0	0	0
W+I -90 deg	RohnJ2	-8.57	17.27	-180.19	19.28	0	0	0	0	0
W+I -90 deg	SNB-J1	5.02	15.13	318.54	15.94	0	0	0	0	0
W+I -90 deg	SNB-J2	-16.62	34.87	-281.9	38.63	0	0	0	0	0
W+I -60 deg	RohnJP	-2.83	2.07	135.75	3.51	0	0	0	0	0
W+I -60 deg	SNB-JP	-3.67	5.33	187.33	6.47	0	0	0	0	0
W+I -60 deg	RohnJ1	-0.6	3.62	135.9	3.67	0	0	0	0	0
W+I -60 deg	RohnJ2	-10.36	18.22	-206	20.96	0	0	0	0	0
W+I -60 deg	SNB-J1	-2.79	5.85	187.49	6.48	0	0	0	0	0
W+I -60 deg	SNB-J2	-20.89	36.19	-319.95	41.78	0	0	0	0	0
W+I 0 deg	RohnJP	-12.68	-0.31	271.39	12.69	0	0	0	0	0
W+I 0 deg	SNB-JP	-22.47	-0.01	389.92	22.47	0	0	0	0	0
W+I 0 deg	RohnJ1	-9.36	-10.77	-102.76	14.26	0	0	0	0	0
W+I 0 deg	RohnJ2	-8.8	11.09	-103	14.16	0	0	0	0	0
W+I 0 deg	SNB-J1	-19.29	-21.75	-167.39	29.07	0	0	0	0	0
W+I 0 deg	SNB-J2	-19.27	21.75	-167.64	29.06	0	0	0	0	0
W+I 60 deg	RohnJP	-2.83	-2.39	135.76	3.7	0	0	0	0	0
W+I 60 deg	SNB-JP	-3.67	-5.35	187.32	6.48	0	0	0	0	0
W+I 60 deg	RohnJ1	-10.64	-18.05	-205.78	20.95	0	0	0	0	0
W+I 60 deg	RohnJ2	-0.33	-3.46	135.67	3.48	0	0	0	0	0
W+I 60 deg	SNB-J1	-20.9	-36.18	-319.68	41.78	0	0	0	0	0
W+I 60 deg	SNB-J2	-2.78	-5.85	187.23	6.48	0	0	0	0	0
W+I 90 deg	RohnJP	5.18	-2.61	21.9	5.8	0	0	0	0	0
W+I 90 deg	SNB-JP	11.55	-6.26	18.23	13.14	0	0	0	0	0
W+I 90 deg	RohnJ1	-8.56	-17.27	-179.98	19.27	0	0	0	0	0
W+I 90 deg	RohnJ2	3.43	-8.55	223.74	9.22	0	0	0	0	0
W+I 90 deg	SNB-J1	-16.62	-34.87	-281.64	38.63	0	0	0	0	0
W+I 90 deg	SNB-J2	5.02	-15.13	318.28	15.94	0	0	0	0	0
DL + Ice Only	RohnJP	5.03	0	21.92	5.03	0	0	0	0	0
DL + Ice Only	SNB-JP	11.41	0	18.22	11.41	0	0	0	0	0
DL + Ice Only	RohnJ1	-2.51	-4.35	22.06	5.03	0	0	0	0	0
DL + Ice Only	RohnJ2	-2.52	4.36	21.84	5.03	0	0	0	0	0
DL + Ice Only	SNB-J1	-5.71	-9.88	18.38	11.41	0	0	0	0	0
DL + Ice Only	SNB-J2	-5.71	9.88	18.11	11.41	0	0	0	0	0

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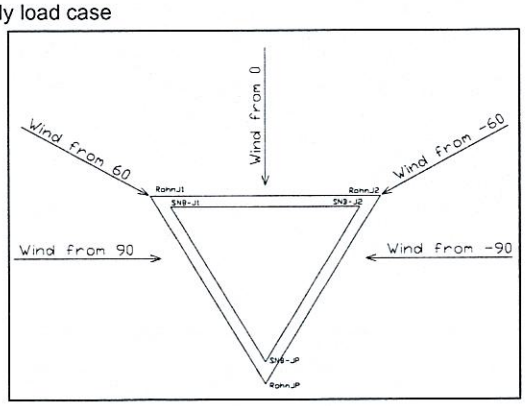
		Checked by		Date			

Load Case	Joint Label	Vert. Tower Forces (k)	Leg Moment Arm (ft)	Moment (ft-k)	Total Moment (ft-k)	Total Shear (k)
W+I -90 deg	RohnJP	-0.02	0.00	0.00	10266.4	102.0
W+I -90 deg	SNB-JP	0.01	0.00	0.00		
W+I -90 deg	RohnJ1	201.89	11.42	2305.58		
W+I -90 deg	RohnJ2	-202.03	-11.42	2307.18		
W+I -90 deg	SNB-J1	300.16	9.42	2827.51		
W+I -90 deg	SNB-J2	-300.01	-9.42	2826.09		
W+I -60 deg	RohnJP	113.83	6.60	751.28	10023.6	82.9
W+I -60 deg	SNB-JP	169.11	5.44	919.96		
W+I -60 deg	RohnJ1	113.84	6.60	751.34		
W+I -60 deg	RohnJ2	-227.84	-13.18	3002.93		
W+I -60 deg	SNB-J1	169.11	5.44	919.96		
W+I -60 deg	SNB-J2	-338.06	-10.88	3678.09		
W+I 0 deg	RohnJP	249.47	13.18	3288.01	11000.9	121.7
W+I 0 deg	SNB-JP	371.7	10.88	4044.10		
W+I 0 deg	RohnJ1	-124.82	-6.60	823.81		
W+I 0 deg	RohnJ2	-124.84	-6.60	823.94		
W+I 0 deg	SNB-J1	-185.77	-5.44	1010.59		
W+I 0 deg	SNB-J2	-185.75	-5.44	1010.48		
W+I 60 deg	RohnJP	113.84	6.60	751.34	10023.6	82.9
W+I 60 deg	SNB-JP	169.1	5.44	919.90		
W+I 60 deg	RohnJ1	-227.84	-13.18	3002.93		
W+I 60 deg	RohnJ2	113.83	6.60	751.28		
W+I 60 deg	SNB-J1	-338.06	-10.88	3678.09		
W+I 60 deg	SNB-J2	169.12	5.44	920.01		
W+I 90 deg	RohnJP	-0.02	0.00	0.00	10266.8	102.0
W+I 90 deg	SNB-JP	0.01	0.00	0.00		
W+I 90 deg	RohnJ1	-202.04	-11.42	2307.30		
W+I 90 deg	RohnJ2	201.9	11.42	2305.70		
W+I 90 deg	SNB-J1	-300.02	-9.42	2826.19		
W+I 90 deg	SNB-J2	300.17	9.42	2827.60		

Forces taken from PLS-Tower output with DL + Ice Only load case subtracted from Vertical Tower Forces

Dimensions taken from CAD drawing



PIER AND MAT FOUNDATION ANALYSIS - 3 PIERS

TOWER FORCES:

Moment Caused by Tower	$M_t := 11000.9 \cdot kip \cdot ft$
Shear at Base of Tower	$S_t := 121.7 \cdot kip$
Height of Tower	$H_t := 180 \cdot ft$
Width of Tower at Base	$W_t := 22.833 \cdot ft$
Weight of Tower	$WT_t := 119.1 \cdot kip$

FOOTING DIMENSIONS:

Width of Footing	$W_f := 36.5 \cdot ft$
Overall Depth of Footing	$D_f := 3.5ft$
Thickness of Footing	$T_f := 6.0 \cdot ft$

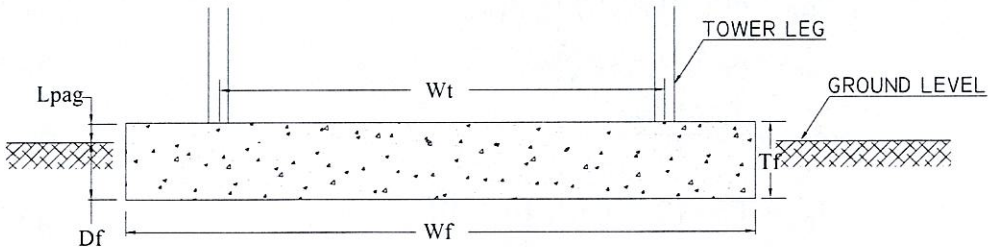
MATERIAL PROPERTIES:

Compressive Strength of Concrete	$f'c := 3000 \cdot psi$	Unit Weight of Soil	$\gamma_s := 130 \cdot pcf$
Yield Strength of Steel Reinforcement	$fy := 60000 \cdot psi$	Unit Weight of Concrete	$\gamma_c := 150 \cdot pcf$
Internal Friction Angle of Soil	$\phi_s := 36 \cdot deg$	Depth to Neglect	$n := 0 \cdot ft$
Allowable Bearing Capacity	$q_s := 8000 \cdot psf$	Cohesion of Clay Type Soil Note: Use 0 for Sandy Soil	$c := 0 \cdot ksf$

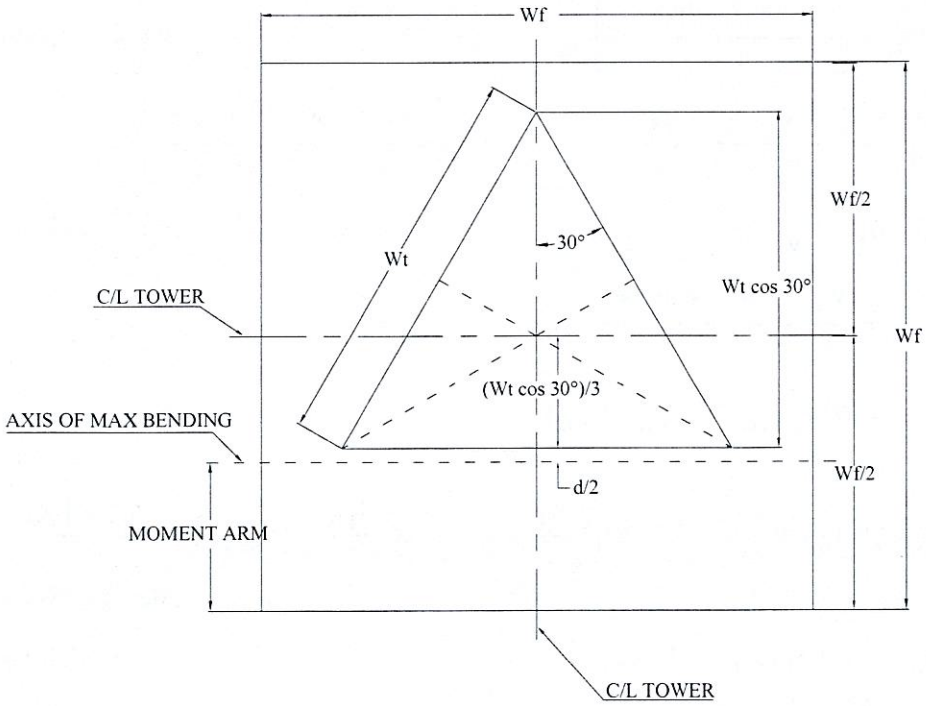
Coefficient of Lateral Soil Pressure $K_p := \frac{1 + \sin(\phi_s)}{1 - \sin(\phi_s)}$ $K_p = 3.8518$

What is Position of Center of Tower with respect to Center of Pad? 1=Offset 2=Not Offset $Pos_{tower} := 2$

FOUNDATION OVERVIEW



ELEVATION



PLAN

STABILITY OF FOOTING

Factor of Safety Req'd: $FS_{req} := 2.0$

Passive Pressure:

$P_{pn} := K_p \cdot \gamma_s \cdot n + c \cdot 2 \cdot \sqrt{K_p}$ $\quad P_{pn} = 0 \cdot ksf$

$P_{pt} := K_p \cdot \gamma_s \cdot (D_f - T_f) + c \cdot 2 \cdot \sqrt{K_p}$ $\quad P_{pt} = -1.2518 \cdot ksf$

$P_{top} := if[n < (D_f - T_f), P_{pt}, P_{pn}]$ $\quad P_{top} = 0 \cdot ksf$

$P_{bot} := K_p \cdot \gamma_s \cdot D_f + c \cdot 2 \cdot \sqrt{K_p}$ $\quad P_{bot} = 1.7526 \cdot ksf$

$P_{ave} := \frac{P_{top} + P_{bot}}{2}$ $\quad P_{ave} = 0.8763 \cdot ksf$

Shear:

$T_{pp} := if[n < (D_f - T_f), T_f, (D_f - n)]$ $\quad T_{pp} = 3.5 \cdot ft$

$A_{pp} := W_f \cdot T_{pp}$ $\quad A_{pp} = 127.75 \cdot ft^2$

Ultimate Shear: $S_u := P_{ave} \cdot A_{pp}$ $\quad S_u = 111.9465 \cdot kip$

Weight of Concrete Pad: $WT_c := (W_f^2 \cdot T_f) \cdot \gamma_c$ $\quad WT_c = 1199.025 \cdot kip$

Weight of Soil above Footing: $WT_{s1} := 0$ $\quad WT_{s1} = 0 \cdot kip$

Weight of Soil Wedge at back face: $WT_{s2} := \left[\frac{(D_f - n)^2 \cdot \tan(\phi_s)}{2} \cdot W_f\right] \cdot \gamma_s$ $\quad WT_{s2} = 21.1156 \cdot kip$

Distance to center of Tower Leg from Edge of Footing:

$X_{t1} := \frac{W_f}{2} - \frac{W_t \cdot \cos(30 \cdot deg)}{2}$ $\quad X_{t2} := \frac{W_f}{2} - \frac{W_t \cdot \cos(30 \cdot deg)}{3}$

$X_t := if(Pos_{tower} = 1, X_{t1}, X_{t2})$ $\quad X_t = 11.6587 \cdot ft$

Additional Offset of Footing:

$X_{off1} := \frac{W_f}{2} - \left(\frac{W_t \cdot \cos(30 \cdot deg)}{3} + X_t\right)$ $\quad X_{off2} := 0$

$X_{off} := if(Pos_{tower} = 1, X_{off1}, X_{off2})$ $\quad X_{off} = 0 \cdot ft$

Resisting Moment:

$M_r := (WT_c + WT_{s1}) \cdot \frac{W_f}{2} + WT_t \cdot \left(\frac{W_f}{2} - X_{off}\right) + S_u \cdot \frac{T_{pp}}{3} + WT_{s2} \cdot \left(W_f + \frac{T_{pp} \cdot \tan(\phi_s)}{3}\right)$

$M_r = 24975.003 \cdot kip \cdot ft$

Overturning Moment: $M_{ot} := M_t + S_t \cdot (T_f) + WT_t \cdot X_{off}$ $\quad M_{ot} = 11731.1 \cdot kip \cdot ft$

Factor of Safety: $FS := \frac{M_r}{M_{ot}}$ $\quad FS = 2.13$

$SafetyCheck := if(FS > FS_{req}, "Okay", "No Good")$ $\quad SafetyCheck = "Okay"$

BEARING PRESSURE CHECK:

Pressure Applied:

$LOAD_{tot} := WT_c + WT_{s1} + WT_t$ $\qquad LOAD_{tot} = 1318.125 \cdot kip$

$A_{mat} := W_f^{\,2}$ $\qquad A_{mat} = 1332.25 \cdot ft^2$

$S := \frac{W_f^{\,3}}{6}$ $\qquad S = 8104.5208 \cdot ft^3$

$P_{max} := \frac{LOAD_{tot}}{A_{mat}} + \frac{M_{ot}}{S}$ $\qquad P_{max} = 2.4369 \cdot ksf$

$P_{min} := \frac{LOAD_{tot}}{A_{mat}} - \frac{M_{ot}}{S}$ $\qquad P_{min} = -0.4581 \cdot ksf$

$MaxPressure := if\left(P_{max} < q_s, \text{"Okay"}, \text{"No Good"}\right)$ $\qquad MaxPressure = \text{"Okay"}$

$MinPressure := if\left[\left(P_{min} \geq 0\right) \cdot \left(P_{min} < q_s\right), \text{"Okay"}, \text{"No Good"}\right]$ $\qquad MinPressure = \text{"No Good"}$

Distance to Resultant of Pressure Distribution:

$X_p := \frac{P_{max}}{\frac{P_{max} - P_{min}}{W_f}} \cdot \frac{1}{3}$ $\qquad X_p = 10.2415 \cdot ft$

Distance to Kern:

$X_k := \frac{W_f}{3}$ $\qquad X_k = 12.1667 \cdot ft$

Since Resultant Force is Not in Kern, Area to which Pressure is Applied Must be Reduced.

Eccentricity:

$e := \frac{M_{ot}}{LOAD_{tot}}$ $\qquad e = 8.8998$

Adjusted Soil Pressure:

$q_a := \frac{2 \cdot LOAD_{tot}}{3 \cdot W_f \cdot \left(\frac{W_f}{2} - e\right)}$ $\qquad q_a = 2.5749 \cdot ksf$

Revised Maximum:

$q_{max} := if\left(X_p < X_k, q_a, P_{max}\right)$ $\qquad q_{max} = 2.5749 \cdot kip$

$PressureCheck := if\left(q_{max} < q_s, \text{"Okay"}, \text{"No Good"}\right)$ $\qquad PressureCheck = \text{"Okay"}$