ROBINSON & COL

EM-VER-057-100819

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

ORIGINAL

August 19, 2010

Via Hand Delivery

RECEIVED
AUG 19 2010
CONNECTICUT
SITING COUNCIL

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

Re: **Notice of Exempt Modification – Facility Modification**
1 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 of the existing 180-foot tower at the above-referenced address. The tower and property are owned by the Connecticut Department of Public Safety (State Police). The Council approved Cellco's use of this tower in 1992 in Docket No. 150. Cellco now intends to modify its installation by replacing six (6) existing PCS antennas with three (3) model MG D3-800T0 PCS antennas; two (2) model P65-16-Xl-2 LTE antennas; and one (1) model LNX-6514DS-T4M LTE antenna, all at the same 130-foot level on the tower. Attached behind Tab 1 are the specifications for the proposed replacement antennas.

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 J. Tesei, First Selectman for the Town of Greenwich. A copy of this letter is also being sent to the Connecticut Department of Public Safety, the owner of the property at 1 Butternut Hollow Road.

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

1. The proposed modifications will not result in any increase in the height of the existing tower. Cellco's antennas will be located at the same 130-foot level on the existing tower.

Law Offices
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STAMFORD
WHITE PLAINS
NEW YORK CITY
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www.rc.com

2. The proposed modifications will not involve any changes 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.

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

Also attached is a Structural Analysis confirming that the tower can support Cellco's proposed antenna modifications. (See 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 J. Tesei, Greenwich First Selectman
Katie Blankley, Deputy Director,
Planning and Zoning/Assistant Town Planner
Connecticut State Police
Sandy M. Carter

SINGLE-BAND PANEL ANTENNA

BROADBAND 1700-2170 MHZ

MGD3-800TX

1710-1880	1850-1990	1920-2170
H66° V7.2°	H64° V6.6°	H63° V6.3°
Fixed Tilt 0°2,°4,°6,°	Fixed Tilt 0°2,°4,°6,°	Fixed Tilt 0°2,°4,°6,°

ELECTRICAL SPECIFICATIONS

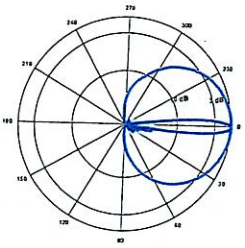
BROADBAND *1710-2170 MHz*

Antenna Model	MGD3-800TX		
Polarization	± 45°		
Frequency	1710 - 1880	1850 - 1990	1920 - 2170
Horizontal Beamwidth	66°	64°	63°
Vertical Beamwidth	7.2°	6.6°	6.3°
Gain (dBi)	17.9	18	18.5
Vertical Electrical Tilt	FIXED 0°, 2°, 4°, 6°	FIXED 0°, 2°, 4°, 6°	FIXED 0°, 2°, 4°, 6°
Upper Sidelobe Suppression for the 1st lobe above main beam (dB)	20	20	20
Front-to-Back Ratio /Cpol @ ± 20° (dB)	> 30	> 30	> 30
VSWR	< 1.4 : 1	< 1.4 : 1	< 1.4 : 1
Cross Polar Ratio @ ± 60° (dB)	> 10	> 10	> 10
Isolation Between Ports (dB)	> 30	> 30	> 30
Maximum Power Per Input (W)	250		
Intermodulation (dBc)	< - 150		
Impedance (Ω)	50		

MECHANICAL SPECIFICATIONS

Connectors	2 X 7/16 Female
Connector Position	Bottom
Survival Wind Speed mph (km/h)	124 (200)
Front Windload lbs (N) @ 160 km/h	83 (370)
Lateral Windload lbs (N) @ 160 km/h	38 (170)
Radome Color	Grey, paintable
Temperature Range F (°C)	-67° to 140° (-55° to +60°)
Humidity	100%
Antenna Weight lbs (kg)	15.43 (7)
Antenna Dimension in (mm) H X W X D	53 X 6.29 X 3.54 (1340 X 160 X 90)

H&V Pattern



RYMSA Telecom Group (Headquarters)

RYMSA TELECOM GROUP

www.rymsawireless.com

RYMSA México:

RYMSA Wireless U.S.A.

P65-15-XL-2

Very Low Broadband Antennas

POLARIZATION: Dual linear ±45°
FREQUENCY (MHz): 698-894
HORIZONTAL BEAM WIDTH (°): 65
GAIN (dBi/dBd): 14.5/12.4
TILT: 2
LENGTH: 48"

ELECTRICAL SPECIFICATIONS*

Frequency range (MHz)		698-894	
Frequency band (MHz)	698-806		806-894
Gain (dBi/dBd)	14.0/11.9		14.5/12.4
Polarization		Dual Linear +/- 45	
Nominal Impedance (Ω)		50	
VSWR		< 1.33:1	
Horizontal beam width, -3 dB (°)	68		65
Vertical beam width, -3 dB (°)	16.5		15.5
Electrical down tilt (°)		2	
Side lobe suppression, vertical 1st upper (dB)	> 15		> 15
Tracking, horizontal plane ±60° (dB)	< 2		< 2
Isolation between inputs (dB)	> 30		> 30
First null fill (dB)	-		-
Vertical beam squint (°)	< 0.5		< 0.5
Front to back ratio (dB)	> 30		> 30
Front to back ratio, total power (dB)	> 25		> 25
Cross polar discrimination (XPD) 0° (dB)	> 15		> 15
Cross polar discrimination (XPD) ±60° (dB)	> 10		> 10
IM3, 2xTx@43dBm (dBc)		-153	
Power handling, average per input (W)		400	
Power handling, average total (W)		800	

MECHANICAL SPECIFICATIONS*

Connector	2 X 7/16 DIN Female
Connector position	Bottom
Dimensions, HxWxD, in (mm)	48"x12"x5" (1219x305x125)
Mounting	Pre-mounted Tilt Brackets
Weight, with brackets, lbs (kg)	33 (15)
Weight, without brackets, lbs (kg)	22 (10)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.0 (N)	920
Maximum operational wind speed, mph (m/s)	100 (45)
Survival wind speed, mph (m/s)	125 (55)
Lightning protection	DC Ground
Radome material	PVC
Packet size, HxWxD, in (mm)	58" x 16" x 10" (1475 x 400 x 255)
Radome colour	Light Grey
Shipping weight, lbs (kg)	44 (20)
RET	N/A
Brackets	7256.00, 7454.00, 2210.00

*All specifications subject to change without notice. Please contact your Powerwave representative for complete performance data.

ANTENNA PATTERNS*

For detailed patterns visit http://www.powerwave.com/rpa/.

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Product Specifications

ANDREW®
A CommScope Company

LNX-6514DS-T4M

DualPol® Antenna, 698–896 MHz, 65° horizontal beamwidth, fixed electrical tilt

- Broadband, providing future-ready single antenna for application in 700 MHz and existing 850 MHz cellular operation
- Air dielectric design provides superior PIM performance with repeatable antenna-to-antenna gain and pattern consistency
- Single piece radome provides long term mechanical stability
- Proven core design technology, with over 1,000,000 similar antennas deployed
- Exceptional USLS pattern shaping for optimizing coverage and interference mitigation for LTE applications
- Specifically designed to have physical dimensions similar to most existing cellular antennas

CHARACTERISTICS

General Specifications

Antenna Type	DualPol®
Brand	DualPol®
Operating Frequency Band	698 – 896 MHz

Electrical Specifications

Frequency Band, MHz	**698–806**	**806–896**
Beamwidth, Horizontal, degrees	66	64
Gain, dBd	13.8	14.5
Gain, dBi	15.9	16.6
Beamwidth, Vertical, degrees	12.0	11.0
Beam Tilt, degrees	4	4
Upper Sidelobe Suppression (USLS), typical, dB	18	18
Front-to-Back Ratio at 180°, dB	33	33
Isolation, dB	30	30
VSWR | Return Loss, db	1.35:1 | 16.5	1.35:1 | 16.5
Intermodulation Products, 3rd Order, 2 x 20 W, dBc	-150	-150
Input Power, maximum, watts	500	500
Polarization	±45°	±45°
Impedance, ohms	50	50
Lightning Protection	dc Ground	dc Ground

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See www.commscope.com/andrew for the most current information.

Product Specifications

LNX-6514DS-T4M

ANDREW®
A CommScope Company

Mechanical Specifications

Color	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Bottom
Connector Quantity	2
Wind Loading, maximum	617.7 N @ 150 km/h 138.9 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h | 149.8 mph

Dimensions

Depth	181.0 mm | 7.1 in
Length	1847.0 mm | 72.7 in
Width	301.0 mm | 11.9 in
Net Weight	17.4 kg | 38.4 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)

INCLUDED PRODUCTS

MTG-L-STD
Downtilt Mounting Kit for panel Antennas

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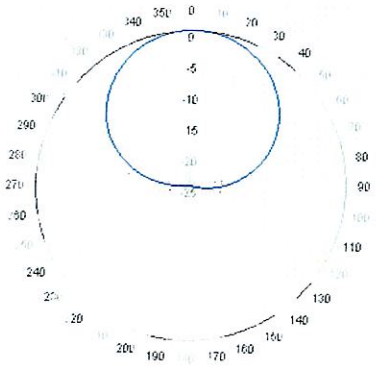
See www.commscope.com/andrew for the most current information.

Product Specifications

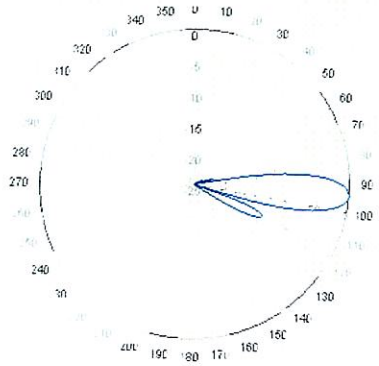
LNX-6514DS-T4M

Horizontal Pattern



Freq: 750, Tilt 0

Vertical Pattern



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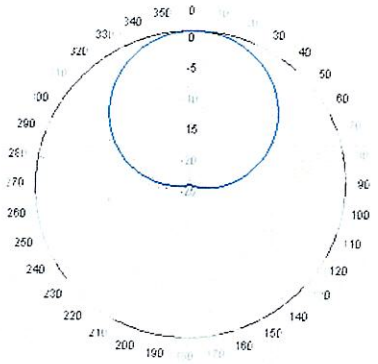

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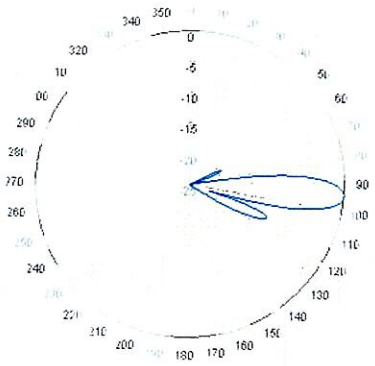

Freq: 850, Tilt 0

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	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
*AT&T	4	275	142	0.0196	1900	1.0000	1.96%	
*Sprint	11	122	115	0.0365	1900	1.0000	3.65%	
*Nextel	8	100	105	0.0261	851	0.5673	4.60%	
*State Police	1	1000	180	0.0111	866.7125	0.5778	1.92%	
*State Police	1	1000	180	0.0111	866.0125	0.5773	1.92%	
*Greenwich	1	1000	180	0.0111	866.7875	0.5779	1.92%	
*Omnipoint	3	893.3	135	0.0529	1900	1.0000	5.29%	
*DOT	1	100	180	0.0011	42.8	0.2000	0.55%	
*Greenwich	1	431.67	177	0.0050	18700	1.0000	0.50%	
*NU	1	50	150	0.0008	928	0.6187	0.13%	
*NU	1	316	150	0.0050	150	0.2000	2.52%	
*NU	1	100	80	0.0056	37.8	0.2000	2.81%	
*NU	1	555	165	0.0073	944	0.6293	1.16%	
*NU	1	316	150	0.0050	450	0.3000	1.68%	
*NU	1	100	130	0.0021	47.86	0.2000	1.06%	
*State Police	1	55.61	176	0.0006	6700	1.0000	0.06%	
*SNET/Cingular	6	100	150	0.0096	850	0.5667	1.69%	
*Cingular GSM	3	296	148	0.0146	880	0.5867	2.48%	
*Cingular GSM	1	427	148	0.0070	1930	1.0000	0.70%	
Verizon	**3**	**426**	**130**	**0.0272**	**970**	**1.0000**	**2.72%**	
Verizon	**9**	**280**	**130**	**0.0536**	**869**	**0.5793**	**9.25%**	
Verizon	**1**	**683**	**130**	**0.0145**	**757**	**0.4973**	**2.92%**	
								51.52%
* 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
ROCKY HILL, CT 06067
TEL. 860-529-8882

36931188
VZ5-041

August 2, 2010

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2. INTRODUCTION

The subject tower is located off of Butternut Hollow Rd 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 several communication antennas. The inventory is summarized below:

Antenna Type	*Carrier*	*Mount*	*Centerline Elevation*	*Cable*
DB314	Unknown (existing)	3' Stand-Off	180	See note below
DB-224	Unknown (existing)	3' Stand-Off	180	See note below
PD1110	Unknown (existing)	3' Stand-Off	180	See note below
(2) Scala OGT9-806N	CSP (existing)	Side Arm	180	See note below
DB-583	Unknown (existing)	3' Stand-Off	180	See note below
(3) 6' HP Dish	CSP (reserved)	Dish Mount	180	See note below
6' HP Dish with Radome	CSP (existing)	Dish Mount	176	See note below
(2) Scala OGT9-806N	CSP (existing)	Side Arm	173	See note below
DB806M-XT	CSP (existing)	Side Arm	173	See note below
4' Dish	Greenwich PD (existing)	Dish Mount	170	See note below
Gabriel GLF6-940	NU (existing)	Dish Mount	163.5	See note below
(12) CSS Duo 4	Cingular (existing)	Face Mount	151	(9) 1-1/4"
PD 1167	NU (existing)	Side Arm *(shared with below)*	146	See note below
(12) Allgon 7184-14	AT&T (existing)	Side Arm	145	(6) 1-5/8"
(6) DB 844	Verizon (existing)	Boom Gate	130	(12) 1-5/8"
(2) P65-16-XL-2 (1) LNX-6514DS-T4M (3) MG D3-800T0	**Verizon (proposed)**	**Boom Gate *(shared with above)***	**130**	***Shared with above***
DB 225K Yagi	Unknown (existing)	Leg Mount	126.5	See note below
PD 1142	Unknown (existing)	Leg Mount	120	See note below
(6) DB 980	Sprint (existing)	Boom Gate	117	(6) 1-5/8"
PD 1142	CSP (existing)	Leg Mounted	120	See note below
PD 654	CSP (existing)	Leg Mounted	64	See note below
GPS	Sprint (existing)	Leg Mounted	62	See note below
GPS	Verizon (existing)	Leg Mounted	60	See note below

For simplicity of design it was assumed that all cables extend to the top of the tower. The cables not associated with Cingular, AT&T, Verizon and Sprint totaled (5) 1-5/8", (4) 1/2", (16) 7/8", (3) 1-1/4", 2 Elliptical and (3) 3/8" diameter coaxial cables.

1. EXECUTIVE SUMMARY

This report summarizes the structural analysis and reinforcement of the 180' lattice tower located off of Butternut Hollow Rd in Greenwich, Connecticut. The analysis was conducted in accordance with the 2005 Connecticut State Building Code and the TIA/EIA-222-F standard for a wind velocity of 90 mph (fastest mile) and 90 mph (fastest mile) concurrent with ½" ice. The antenna loading considered in the analysis consists of all existing and proposed antennas, transmission lines, and ancillary items as outlined in the Introduction of this report. The proposed Verizon modification is listed below:

Proposed Antenna and Mount	Carrier	Antenna Center Elevation
Remove **(6) 948F85T2E-M** **Install** **(2) Powerwave P65-16-XL-2** **(1) Andrew LNX-6514DS-T4M** **(3) Rysma MG D3-800T0**	**Verizon (Proposed)**	**130'**

The results of the analysis indicate that the tower structure is in compliance with the proposed loading conditions. **The tower and its foundation are considered structurally adequate under the wind load specified above and the existing and proposed antenna loadings.** The calculated tower sway is 0.78 degrees, and the tower 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 twist and sway values below the Connecticut State Police specification.

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) Existing tower inventory taken from Tower Climb Report prepared by Terracon, dated July 30, 2010.
6) Antenna inventory as specified in section 2 and 6 of this report.
7) Coax cable orientation as specified in section 6 of this report.

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

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

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

RAS/kab

This structural analysis of the communications tower was performed by URS Corporation (URS) for Verizon Wireless. 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 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 reinforced tower structure is in compliance with the proposed loading conditions. The anchor bolts and reinforced foundation were found to be within allowable limits. Additionally, the tower sway and the tower twist are within the Connecticut State Police specification for twist and sway.

Component	***Allowable***	***Actual***
Twist	0.75°	0.78°
Sway		0.10°

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

Component	***Component Size***	***Controlling Member***	***Stress (% Capacity)***	***Pass/Fail***
Rohn Diagonal	L4x4x0.25	Rohn-DI21	56.82	Pass
Rohn Leg	Pipe6EH	Rohn-LH2P	73.56	Pass
Rohn Horizontal	L1.75x1.75x0.1875	RohnH12	5.01	Pass
SNB Diagonal	L5x5x0.625	SNB-DI11	70.40	Pass
SNB Leg	Pipe8XS	SNB-LH2P	82.98	Pass
SNB Horizontal	Pipe4x0.494	SNB-H51	5.77	Pass
Tower Connection	N/A	3/4" Bolt	73.6	Pass
Foundation	36.5' Square	Overturning Moment	51.5	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 tower sway and the tower twist are within the Connecticut State Police specification of 0.75 degrees for twist and sway.

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.

F. All coaxial cables are installed as specified in Section 6 of this report.

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 : VZ5-041 Greenwich, CT
Project Notes: Butternut Hollow
Project File : c:\pls\tower\vz5-041\butternut hollow greenwich, ct.tow
Date run : 2:42:13 PM Monday, August 02, 2010
by : Tower Version 10.20
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 ??
The model has 7 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:\pls\tower\vz5-041\vz5-041.eia

*** Analysis Results:

Maximum element usage is 82.98% 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	5.15	2.53	22.37	5.74	-0.00	-0.00	-0.00	0.00	0.00
W+I -90 deg	SNB-JP	11.55	6.00	18.59	13.01	-0.00	-0.00	-0.00	0.00	0.00
W+I -90 deg	RohnJ1	3.36	8.23	222.71	8.89	-0.00	-0.00	-0.00	0.00	0.00
W+I -90 deg	RohnJ2	-8.47	16.91	-178.28	18.91	-0.00	-0.00	-0.00	0.00	0.00
W+I -90 deg	SNB-J1	4.73	14.37	315.30	15.13	-0.00	-0.00	-0.00	0.00	0.00
W+I -90 deg	SNB-J2	-16.33	34.10	-278.25	37.81	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	RohnJP	-2.81	2.09	137.22	3.50	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	SNB-JP	-3.50	5.22	188.59	6.28	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	RohnJ1	-0.51	3.54	137.16	3.57	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	RohnJ2	-10.36	18.07	-207.58	20.83	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	SNB-J1	-2.78	5.64	188.51	6.28	-0.00	-0.00	-0.00	0.00	0.00
W+I -60 deg	SNB-J2	-20.71	35.88	-321.47	41.43	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	RohnJP	-11.44	-0.24	258.95	11.44	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	SNB-JP	-19.80	-0.01	369.31	19.80	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	RohnJ1	-8.76	-10.34	-96.03	13.55	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	RohnJ2	-8.32	10.59	-96.12	13.47	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	SNB-J1	-18.14	-20.85	-156.79	27.63	-0.00	-0.00	-0.00	0.00	0.00
W+I 0 deg	SNB-J2	-18.12	20.85	-156.87	27.63	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	RohnJP	-2.81	-2.33	137.23	3.65	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	SNB-JP	-3.49	-5.23	188.59	6.29	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	RohnJ1	-10.58	-17.94	-207.51	20.83	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	RohnJ2	-0.30	-3.41	137.08	3.43	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	SNB-J1	-20.72	-35.88	-321.38	41.43	-0.00	-0.00	-0.00	0.00	0.00
W+I 60 deg	SNB-J2	-2.77	-5.64	188.43	6.28	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	RohnJP	5.15	-2.53	22.37	5.74	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	SNB-JP	11.55	-6.00	18.59	13.02	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	RohnJ1	-8.47	-16.90	-178.21	18.91	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	RohnJ2	3.36	-8.23	222.64	8.89	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	SNB-J1	-16.33	-34.10	-278.16	37.81	-0.00	-0.00	-0.00	0.00	0.00
W+I 90 deg	SNB-J2	4.73	-14.37	315.21	15.13	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	RohnJP	5.00	-0.00	22.38	5.00	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	SNB-JP	11.41	-0.00	18.58	11.41	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	RohnJ1	-2.50	-4.33	22.32	5.01	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	RohnJ2	-2.50	4.34	22.24	5.01	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	SNB-J1	-5.70	-9.88	18.51	11.41	-0.00	-0.00	-0.00	0.00	0.00
DL + Ice Only	SNB-J2	-5.70	9.88	18.42	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	Origin	Leg Force In	Residual Shear	Residual Shear	Residual Shear	Residual Shear	Total	Total	Total

	Joint	Joint	Member	Leg Dir. (kips)	Perpendicular To Leg (kips)	Horizontal To Leg - Res. (kips)	Horizontal To Leg - Long. (kips)	Horizontal To Leg - Tran. (kips)	Long. Force (kips)	Tran. Force (kips)	Vert. Force (kips)
W+I -90 deg	RohnJP	RohnIaS	Rohn-LI2P	22.150	6.543	6.547	-2.534	-6.037	5.15	2.53	22.37
W+I -90 deg	SNB-JP	SNB-IaS	SNB-LI2P	18.120	13.659	13.668	-5.999	-12.281	11.55	6.00	18.59
W+I -90 deg	RohnJ1	RohnIa1	Rohn-LI21	222.887	1.204	1.204	-0.614	1.036	3.36	8.23	222.71
W+I -90 deg	RohnJ2	RohnIa2	Rohn-LI22	-178.885	11.876	11.885	-10.807	4.948	-8.47	16.91	-178.28
W+I -90 deg	SNB-J1	SNB-Ia1	SNB-LI21	315.637	3.907	3.908	-3.622	1.469	4.73	14.37	315.30
W+I -90 deg	SNB-J2	SNB-Ia2	SNB-LI22	-279.517	26.887	26.907	-24.620	10.856	-16.33	34.10	-278.25
W+I -60 deg	RohnJP	RohnIaS	Rohn-LI2P	137.226	3.343	3.344	-2.087	-2.613	-2.81	2.09	137.22
W+I -60 deg	SNB-JP	SNB-IaS	SNB-LI2P	188.585	6.528	6.530	-5.219	-3.925	-3.50	5.22	188.59
W+I -60 deg	RohnJ1	RohnIa1	Rohn-LI21	137.166	3.422	3.423	1.157	3.222	-0.51	3.54	137.16
W+I -60 deg	RohnJ2	RohnIa2	Rohn-LI22	-208.239	12.619	12.629	-10.969	6.259	-10.36	18.07	-207.58
W+I -60 deg	SNB-J1	SNB-Ia1	SNB-LI21	188.504	6.531	6.532	0.786	6.485	-2.78	5.64	188.51
W+I -60 deg	SNB-J2	SNB-Ia2	SNB-LI22	-322.850	28.757	28.779	-24.925	14.387	-20.71	35.88	-321.47
W+I 0 deg	RohnJP	RohnIaS	Rohn-LI2P	259.198	1.232	1.233	0.243	1.209	-11.44	-0.24	258.95
W+I 0 deg	SNB-JP	SNB-IaS	SNB-LI2P	369.800	5.260	5.264	0.010	5.264	-19.80	-0.01	369.31
W+I 0 deg	RohnJ1	RohnIa1	Rohn-LI21	-96.480	9.834	9.841	7.054	6.862	-8.76	-10.34	-96.03
W+I 0 deg	RohnJ2	RohnIa2	Rohn-LI22	-96.571	9.718	9.725	-7.299	6.426	-8.32	10.59	-96.12
W+I 0 deg	SNB-J1	SNB-Ia1	SNB-LI21	-157.739	21.595	21.611	15.505	15.055	-18.14	-20.85	-156.79
W+I 0 deg	SNB-J2	SNB-Ia2	SNB-LI22	-157.817	21.584	21.600	-15.506	15.037	-18.12	20.85	-156.87
W+I 60 deg	RohnJP	RohnIaS	Rohn-LI2P	137.236	3.503	3.504	2.333	-2.615	-2.81	-2.33	137.23
W+I 60 deg	SNB-JP	SNB-IaS	SNB-LI2P	188.579	6.537	6.539	5.228	-3.927	-3.49	-5.23	188.59
W+I 60 deg	RohnJ1	RohnIa1	Rohn-LI21	-208.166	12.622	12.632	10.844	6.478	-10.58	-17.94	-207.51
W+I 60 deg	RohnJ2	RohnIa2	Rohn-LI22	137.085	3.266	3.267	-1.276	3.008	-0.30	-3.41	137.08
W+I 60 deg	SNB-J1	SNB-Ia1	SNB-LI21	-322.763	28.761	28.783	24.925	14.395	-20.72	-35.88	-321.38
W+I 60 deg	SNB-J2	SNB-Ia2	SNB-LI22	188.420	6.521	6.523	-0.785	6.475	-2.77	-5.64	188.43
W+I 90 deg	RohnJP	RohnIaS	Rohn-LI2P	22.151	6.543	6.547	2.534	-6.037	5.15	-2.53	22.37
W+I 90 deg	SNB-JP	SNB-IaS	SNB-LI2P	18.118	13.660	13.668	6.000	-12.281	11.55	-6.00	18.59
W+I 90 deg	RohnJ1	RohnIa1	Rohn-LI21	-178.811	11.878	11.887	10.808	4.948	-8.47	-16.90	-178.21
W+I 90 deg	RohnJ2	RohnIa2	Rohn-LI22	222.816	1.205	1.205	0.615	1.036	3.36	-8.23	222.64
W+I 90 deg	SNB-J1	SNB-Ia1	SNB-LI21	-279.431	26.890	26.911	24.623	10.857	-16.33	-34.10	-278.16
W+I 90 deg	SNB-J2	SNB-Ia2	SNB-LI22	315.548	3.910	3.911	3.625	1.468	4.73	-14.37	315.21
DL + Ice Only	RohnJP	RohnIaS	Rohn-LI2P	22.165	5.884	5.888	0.000	-5.888	5.00	-0.00	22.38
DL + Ice Only	SNB-JP	SNB-IaS	SNB-LI2P	18.116	12.132	12.142	0.001	-12.142	11.41	-0.00	18.58
DL + Ice Only	RohnJ1	RohnIa1	Rohn-LI21	22.103	5.882	5.887	5.098	2.943	-2.50	-4.33	22.32
DL + Ice Only	RohnJ2	RohnIa2	Rohn-LI22	22.028	5.881	5.885	-5.097	2.942	-2.50	4.34	22.24
DL + Ice Only	SNB-J1	SNB-Ia1	SNB-LI21	18.043	12.129	12.139	10.513	6.068	-5.70	-9.88	18.51
DL + Ice Only	SNB-J2	SNB-Ia2	SNB-LI22	17.953	12.125	12.135	-10.509	6.067	-5.70	9.88	18.42

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 loadcase.

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	31.07	31.07	Rohn-DA71	-3.378	W+I 0 deg	13.392	16.200	8.156	0.000	0.000	0.000	0.00	10.034	1	1
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	48.07	48.07	Rohn-DB71	-5.227	W+I 90 deg	15.336	16.200	8.156	0.000	0.000	0.000	0.00	11.238	1	1
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	59.28	59.28	Rohn-DC51	-6.446	W+I 90 deg	19.483	16.200	8.156	0.000	0.000	0.000	0.00	13.177	1	1
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	47.53	47.53	Rohn-DD42	-6.891	W+I -90 de	25.704	16.200	0.875	0.000	0.000	0.000	0.00	13.977	1	1
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	43.07	43.07	Rohn-DE61	-6.999	W+I 0 deg	43.200	16.200	2.187	0.000	0.000	0.000	0.00	15.589	1	1

Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	52.52	52.52	Rohn-DF11	-8.534W+I	90 deg	50.135	16.200	12.187	0.000	0.000	0.000	0.00	17.748	1	1
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	56.82	56.82	Rohn-DI21	-9.233 W+I	0 deg	50.586	16.200	12.187	0.000	0.000	0.000	0.00	21.254	1	1
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	13.58	13.58	Rohn-LA4P	-15.367 W+I	0 deg	84.900	0.000	0.000	0.000	0.000	0.000	0.00	5.004	1	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	31.41	31.41	Rohn-LB4P	-43.215 W+I	0 deg	103.200	0.000	0.000	0.000	0.000	0.000	0.00	5.004	1	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	46.33	46.33	Rohn-LC3P	-76.724 W+I	0 deg	124.200	0.000	0.000	0.000	0.000	0.000	0.00	6.665	1	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	69.28	69.28	Rohn-LD3P	-111.674 W+I	0 deg	120.900	0.000	0.000	0.000	0.000	0.000	0.00	6.665	1	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	61.99	61.99	Rohn-LE3P	-141.826 W+I	0 deg	171.600	0.000	0.000	0.000	0.000	0.000	0.00	6.665	1	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	64.45	64.45	Rohn-LF2P	-172.991 W+I	0 deg	201.300	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	73.56	73.56	Rohn-LH2P	-231.852 W+I	0 deg	236.400	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	65.33	65.33	Rohn-LI2P	-257.651 W+I	0 deg	295.800	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	5.01	5.01	Rohn-H12	-0.894W+I	60 deg	13.392	0.000	0.000	0.000	0.000	0.000	0.00	7.505	1	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	14.71	14.47	SNB-DA71	-2.623W+I	90 deg	24.840	16.200	13.594	0.000	0.000	0.000	0.00	7.240	1	1
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	25.50	24.56	SNB-DB71	-3.562W+I	90 deg	20.304	16.200	10.875	0.000	0.000	0.000	0.00	8.279	1	1
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	39.87	39.87	SNB-DD51	-7.226W+I	90 deg	31.536	16.200	13.594	0.000	0.000	0.000	0.00	11.412	1	1
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	41.79	41.79	SNB-DE11	-9.027W+I	90 deg	59.400	16.200	21.750	0.000	0.000	0.000	0.00	11.784	1	1
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	27.84	26.99	SNB-DF31	-8.637W+I	90 deg	81.000	24.000	26.100	0.000	0.000	0.000	0.00	15.529	1	1
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	37.86	35.61	SNB-DH11	-11.394W+I	90 deg	99.576	24.000	32.625	0.000	0.000	0.000	0.00	17.142	1	1
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	70.40	70.40	SNB-DI11	-22.527W+I	90 deg	126.576	24.000	32.625	0.000	0.000	0.000	0.00	18.267	1	1
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	11.26	11.26	SNB-LA4P	-13.622 W+I	0 deg	90.720	0.000	0.000	0.000	0.000	0.000	0.00	5.004	1	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	43.80	43.80	SNB-LC3P	-78.333 W+I	0 deg	134.136	0.000	0.000	0.000	0.000	0.000	0.00	6.665	1	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	73.68	73.68	SNB-LD3P	-121.370 W+I	0 deg	123.552	0.000	0.000	0.000	0.000	0.000	0.00	6.665	1	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	68.78	68.78	SNB-LF2P	-211.954 W+I	0 deg	231.120	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	82.98	82.98	SNB-LH2P	-305.906 W+I	0 deg	276.480	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	78.71	78.71	SNB-LI2P	-364.952 W+I	0 deg	347.759	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.03	0.01	Connect Ial	-2.690W+I	60 deg	17279.973	0.000	0.000	0.000	0.000	0.000	0.00	2.004	1	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	1.83	1.23	SNB-H41	-1.453 W+I	0 deg	88.668	0.000	0.000	0.000	0.000	0.000	0.00	8.132	1	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	5.77	1.37	SNB-H51	-2.448 W+I	0 deg	134.136	0.000	0.000	0.000	0.000	0.000	0.00	9.493	1	0

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	31.07	28.52	Rohn-DA81	3.101W+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	48.07	46.45	Rohn-DB71	5.051W+I	-90 de	12.639	16.200	8.156	9.527	11.238	1	1.000	0.6875
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	59.28	57.78	Rohn-DC42	6.284W+I	90 deg	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	47.53	46.64	Rohn-DD42	6.762W+I	90 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	43.07	39.40	Rohn-DE62	6.402W+I	90 deg	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	52.52	48.08	Rohn-DF22	7.812W+I	90 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	56.82	52.35	Rohn-DI42	8.507W+I	90 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	13.58	10.62	Rohn-LA41	12.024W+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	31.41	24.25	Rohn-LB42	33.374W+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	46.33	37.48	Rohn-LC32	62.062W+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	69.28	56.90	Rohn-LD32	91.728W+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	61.99	51.07	Rohn-LE32	116.839W+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	64.45	53.33	Rohn-LF22	143.146W+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	73.56	59.96	Rohn-LH22	188.996W+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	65.33	51.09	Rohn-LI22	201.475W+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	5.01	4.10	Rohn-H12	0.733W+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	14.71	14.71	SNB-DA71	2.667W+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	25.50	25.50	SNB-DB71	3.697W+I	-90 de	16.707	16.200	10.875	12.703	8.279	1	1.000	0.6875
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	39.87	39.29	SNB-DD51	7.121W+I	-90 de	27.082	16.200	13.594	16.992	11.412	1	1.000	0.6875
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	41.79	41.61	SNB-DE11	8.988W+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	27.84	27.84	SNB-DF42	8.910W+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	37.86	37.86	SNB-DH42	12.114W+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	70.40	66.98	SNB-DI42	21.433W+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	11.26	9.52	SNB-LA41	11.516W+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	43.80	38.71	SNB-LC32	69.231W+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	73.68	65.65	SNB-LD32	108.141W+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	68.78	60.82	SNB-LF22	187.413W+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	82.98	72.10	SNB-LH22	265.796W+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	78.71	65.13	SNB-LI22	301.990W+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	0.03	0.03	Connect IP	7.816 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	1.83	1.83	SNB-H42	2.164W+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	10.314W+I	-90 de	134.136	0.000	0.000	0.000	14.944	0	0.000	0

*** 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	71.02	SNB-LH21	Angle
W+I -60 deg	72.10	SNB-LH22	Angle
W+I 0 deg	82.98	SNB-LH2P	Angle
W+I 60 deg	72.08	SNB-LH21	Angle
W+I 90 deg	70.99	SNB-LH22	Angle
DL + Ice Only	30.09	SNB-DI2P	Angle

*** Weight of structure (lbs):

Weight of Angles*Section DLF:	62644.6
Weight of Equipment:	11550.1
Total:	74194.7

*** End of Report

PLS-TOWER NODE LOCATIONS

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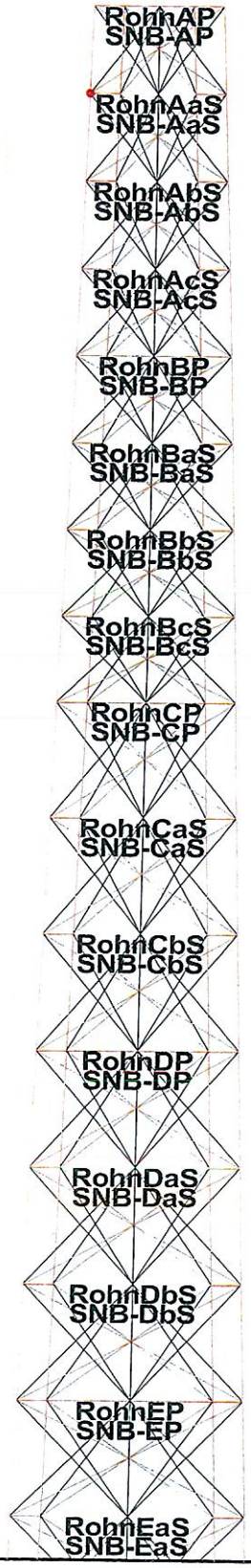
Tower Version 10.20, 2:47:13 PM Monday, August 02, 2010
Undeformed geometry displayed



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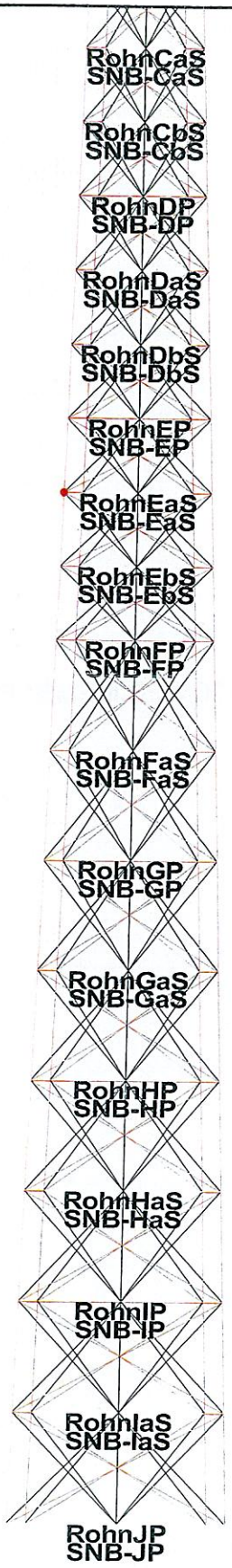

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PLS-TOWER MEMBER LOCATIONS

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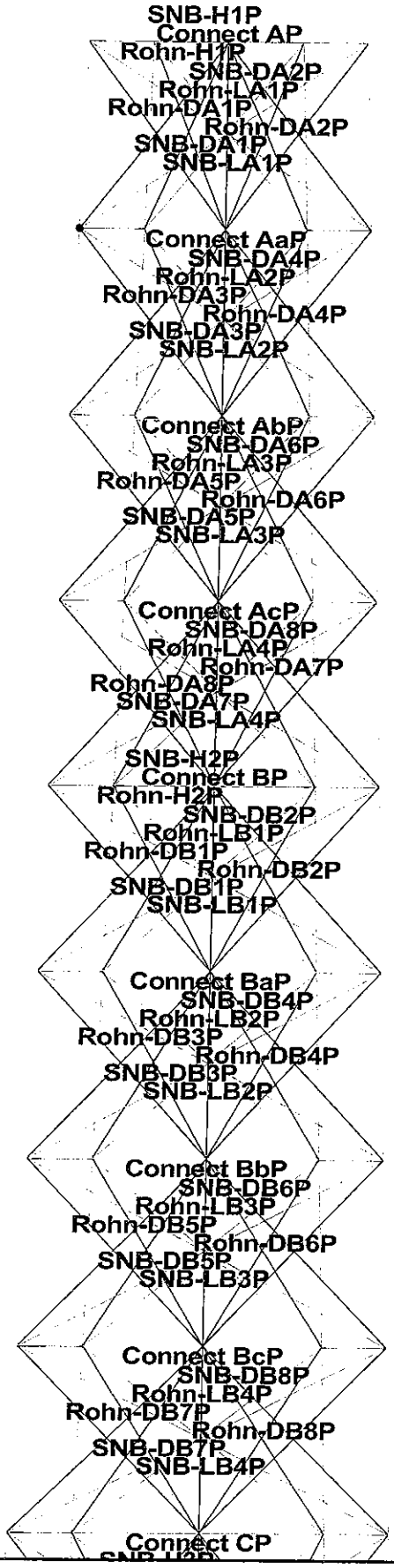

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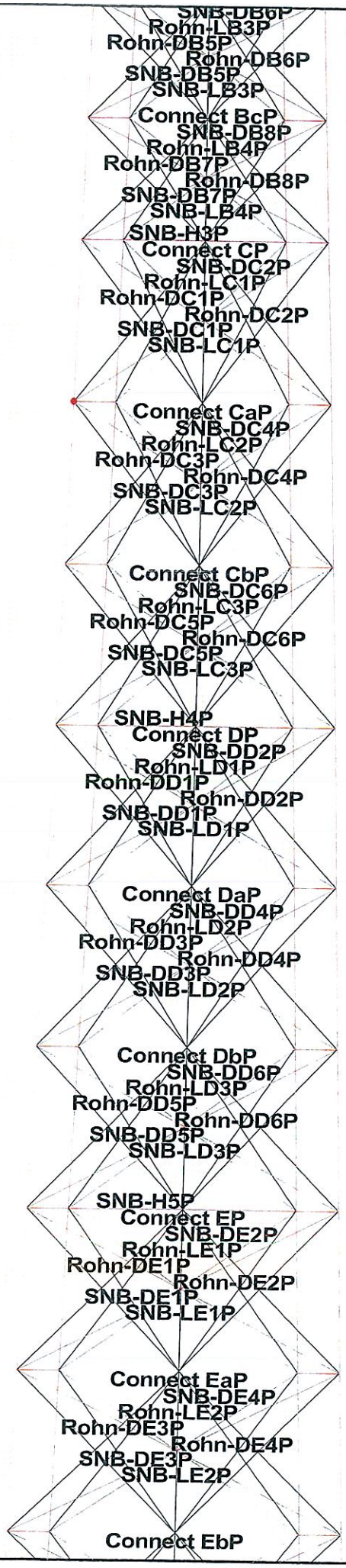

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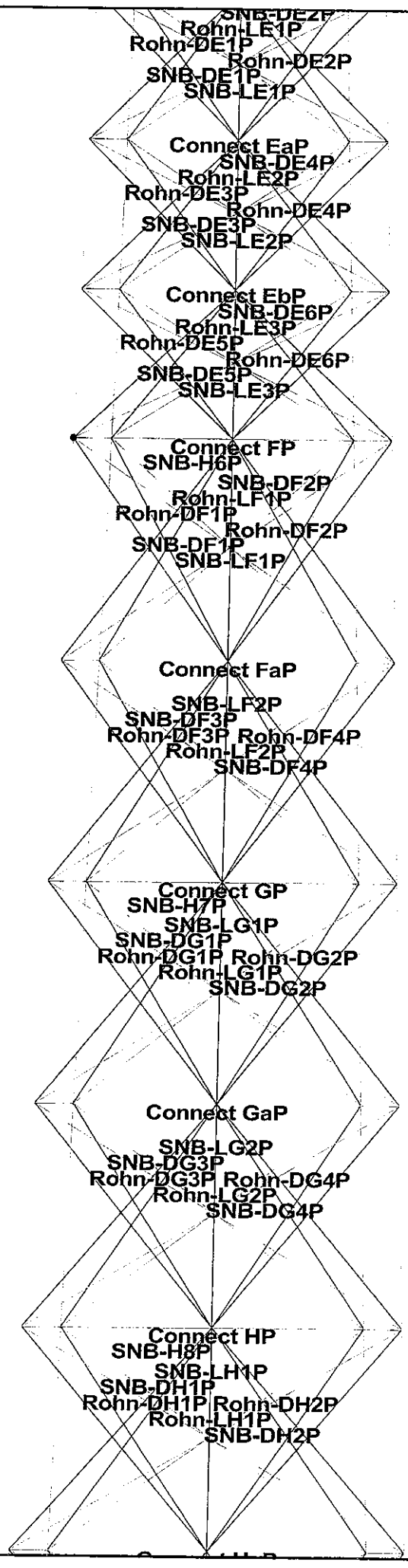

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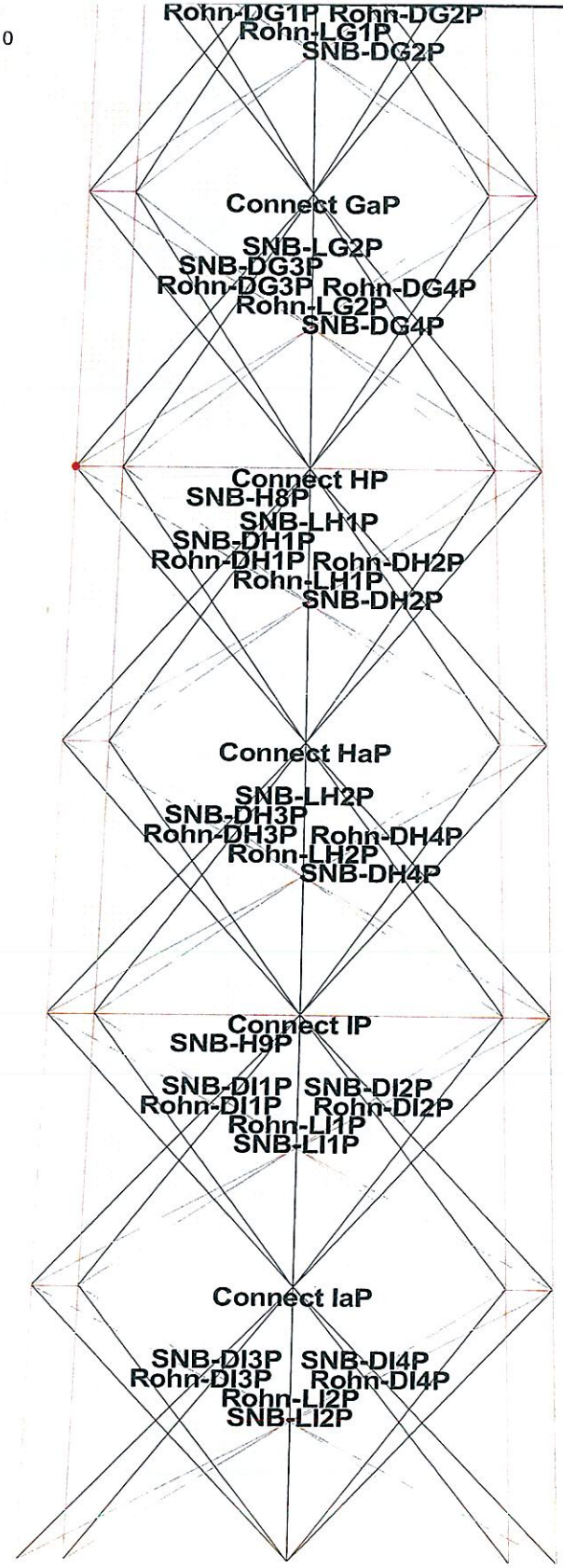


Y

PLS-TOWER DETAILED OUTPUT

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

Project Name : VZ5-041 Greenwich, CT
Project Notes: Butternut Hollow
Project File : c:\pls\tower\vz5-041\butternut hollow greenwich, ct.tow
Date run : 2:42:11 PM Monday, August 02, 2010
by : Tower Version 10.20
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 ??
The model has 7 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	-4.92	-8.523	40	Free	Free	Free	Free	Free	Free
RohnH2	Tri-Gen 2	-4.92	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	-3.527	-6.11	60	Free	Free	Free	Free	Free	Free
SNB-G2	Tri-Gen 2	-3.527	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	-4.707	-8.154	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
SNB-J2	Tri-Gen 2	-4.707	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

Steel Material Properties:

Steel Material Label	Modulus of Elasticity (ksi)	Yield Stress Fy (ksi)	Ultimate Stress 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 Number

Type	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	2X2X0.3125	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

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	258.81	172.54	631.49
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	502.96	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	378.99	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	# Bolt 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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB7P	Rohn-D2	Tri-Symmetry	RohnBcS	RohnC1	1	4	0	0	0	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB71	Rohn-D2	Tri-Gen 1	RohnBc1	RohnC2	1	4	0	0	0	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB72	Rohn-D2	Tri-Gen 2	RohnBc2	RohnCP	1	4	0	0	0	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB8P	Rohn-D2	Tri-Symmetry	RohnBcS	RohnC2	1	4	0	0	0	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB81	Rohn-D2	Tri-Gen 1	RohnBc1	RohnCP	1	4	0	0	0	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB82	Rohn-D2	Tri-Gen 2	RohnBc2	RohnC1	1	4	0	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-LA1P	Rohn-L1	Tri-Symmetry	RohnAP	RohnAaS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA11	Rohn-L1	Tri-Gen 1	RohnA1	RohnAa1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA12	Rohn-L1	Tri-Gen 2	RohnA2	RohnAa2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA2P	Rohn-L1	Tri-Symmetry	RohnAaS	RohnAbS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA21	Rohn-L1	Tri-Gen 1	RohnAa1	RohnAb1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA22	Rohn-L1	Tri-Gen 2	RohnAa2	RohnAb2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA3P	Rohn-L1	Tri-Symmetry	RohnAbS	RohnAcS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA31	Rohn-L1	Tri-Gen 1	RohnAb1	RohnAc1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA32	Rohn-L1	Tri-Gen 2	RohnAb2	RohnAc2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA4P	Rohn-L1	Tri-Symmetry	RohnAcS	RohnBP	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA41	Rohn-L1	Tri-Gen 1	RohnAc1	RohnB1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LA42	Rohn-L1	Tri-Gen 2	RohnAc2	RohnB2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB1P	Rohn-L2	Tri-Symmetry	RohnBP	RohnBaS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB11	Rohn-L2	Tri-Gen 1	RohnB1	RohnBa1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB12	Rohn-L2	Tri-Gen 2	RohnB2	RohnBa2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB2P	Rohn-L2	Tri-Symmetry	RohnBaS	RohnBbS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB21	Rohn-L2	Tri-Gen 1	RohnBa1	RohnBb1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB22	Rohn-L2	Tri-Gen 2	RohnBa2	RohnBb2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB3P	Rohn-L2	Tri-Symmetry	RohnBbS	RohnBcS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB31	Rohn-L2	Tri-Gen 1	RohnBb1	RohnBc1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB32	Rohn-L2	Tri-Gen 2	RohnBb2	RohnBc2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB4P	Rohn-L2	Tri-Symmetry	RohnBcS	RohnCP	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB41	Rohn-L2	Tri-Gen 1	RohnBc1	RohnC1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LB42	Rohn-L2	Tri-Gen 2	RohnBc2	RohnC2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LC1P	Rohn-L3	Tri-Symmetry	RohnCP	RohnCaS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LC11	Rohn-L3	Tri-Gen 1	RohnC1	RohnCa1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LC12	Rohn-L3	Tri-Gen 2	RohnC2	RohnCa2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LC2P	Rohn-L3	Tri-Symmetry	RohnCaS	RohnCbS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LC21	Rohn-L3	Tri-Gen 1	RohnCa1	RohnCb1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LC22	Rohn-L3	Tri-Gen 2	RohnCa2	RohnCb2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LC3P	Rohn-L3	Tri-Symmetry	RohnCbS	RohnDP	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LC31	Rohn-L3	Tri-Gen 1	RohnCb1	RohnD1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LC32	Rohn-L3	Tri-Gen 2	RohnCb2	RohnD2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LD1P	Rohn-L4	Tri-Symmetry	RohnDP	RohnDaS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LD11	Rohn-L4	Tri-Gen 1	RohnD1	RohnDa1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LD12	Rohn-L4	Tri-Gen 2	RohnD2	RohnDa2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LD2P	Rohn-L4	Tri-Symmetry	RohnDaS	RohnDbS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LD21	Rohn-L4	Tri-Gen 1	RohnDa1	RohnDb1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LD22	Rohn-L4	Tri-Gen 2	RohnDa2	RohnDb2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LD3P	Rohn-L4	Tri-Symmetry	RohnDbS	RohnEP	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LD31	Rohn-L4	Tri-Gen 1	RohnDb1	RohnE1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LD32	Rohn-L4	Tri-Gen 2	RohnDb2	RohnE2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LE1P	Rohn-L5	Tri-Symmetry	RohnEP	RohnEaS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LE11	Rohn-L5	Tri-Gen 1	RohnE1	RohnEa1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LE12	Rohn-L5	Tri-Gen 2	RohnE2	RohnEa2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LE2P	Rohn-L5	Tri-Symmetry	RohnEaS	RohnEbS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LE21	Rohn-L5	Tri-Gen 1	RohnEa1	RohnEb1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LE22	Rohn-L5	Tri-Gen 2	RohnEa2	RohnEb2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LE3P	Rohn-L5	Tri-Symmetry	RohnEbS	RohnFP	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LE31	Rohn-L5	Tri-Gen 1	RohnEb1	RohnF1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LE32	Rohn-L5	Tri-Gen 2	RohnEb2	RohnF2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LF1P	Rohn-L6	Tri-Symmetry	RohnFP	RohnFaS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LF11	Rohn-L6	Tri-Gen 1	RohnF1	RohnFa1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LF12	Rohn-L6	Tri-Gen 2	RohnF2	RohnFa2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LF2P	Rohn-L6	Tri-Symmetry	RohnFaS	RohnGP	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LF21	Rohn-L6	Tri-Gen 1	RohnFa1	RohnG1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LF22	Rohn-L6	Tri-Gen 2	RohnFa2	RohnG2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LG1P	Rohn-L7	Tri-Symmetry	RohnGP	RohnGaS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LG11	Rohn-L7	Tri-Gen 1	RohnG1	RohnGa1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LG12	Rohn-L7	Tri-Gen 2	RohnG2	RohnGa2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LG2P	Rohn-L7	Tri-Symmetry	RohnGaS	RohnHP	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LG21	Rohn-L7	Tri-Gen 1	RohnGa1	RohnH1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LG22	Rohn-L7	Tri-Gen 2	RohnGa2	RohnH2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LH1P	Rohn-L7	Tri-Symmetry	RohnHP	RohnHaS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LH11	Rohn-L7	Tri-Gen 1	RohnH1	RohnHa1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LH12	Rohn-L7	Tri-Gen 2	RohnH2	RohnHa2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LH2P	Rohn-L7	Tri-Symmetry	RohnHaS	RohnIP	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LH21	Rohn-L7	Tri-Gen 1	RohnHa1	RohnI1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LH22	Rohn-L7	Tri-Gen 2	RohnHa2	RohnI2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LI1P	Rohn-L8	Tri-Symmetry	RohnIP	RohnIaS	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LI11	Rohn-L8	Tri-Gen 1	RohnI1	RohnIa1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LI12	Rohn-L8	Tri-Gen 2	RohnI2	RohnIa2	1	4	0	0	0		0	0	0		0	0	0	0	0

Rohn-LI2P	Rohn-L8	Tri-Symmetry	RohnIaS	RohnJP	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LI21	Rohn-L8	Tri-Gen 1	RohnIa1	RohnJ1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-LI22	Rohn-L8	Tri-Gen 2	RohnIa2	RohnJ2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-H1P	Rohn-H1	Tri-Symmetry	RohnAP	RohnA1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-H11	Rohn-H1	Tri-Gen 1	RohnA1	RohnA2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-H12	Rohn-H1	Tri-Gen 2	RohnA2	RohnAP	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-H2P	Rohn-H1	Tri-Symmetry	RohnBP	RohnB1	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-H21	Rohn-H1	Tri-Gen 1	RohnB1	RohnB2	1	4	0	0	0		0	0	0		0	0	0	0	0
Rohn-H22	Rohn-H1	Tri-Gen 2	RohnB2	RohnBP	1	4	0	0	0		0	0	0		0	0	0	0	0
SNB-DA1P	SNB-D1	Tri-Symmetry	SNB-AP	SNB-Aa1	1	4	0	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	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	0	0	0	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-LA11	SNB-L1	Tri-Gen 1	SNB-A1	SNB-Aa1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LA12	SNB-L1	Tri-Gen 2	SNB-A2	SNB-Aa2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LA2P	SNB-L1	Tri-Symmetry	SNB-AaS	SNB-AbS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LA21	SNB-L1	Tri-Gen 1	SNB-Aa1	SNB-Ab1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LA22	SNB-L1	Tri-Gen 2	SNB-Aa2	SNB-Ab2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LA3P	SNB-L1	Tri-Symmetry	SNB-AbS	SNB-AcS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LA31	SNB-L1	Tri-Gen 1	SNB-Ab1	SNB-Ac1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LA32	SNB-L1	Tri-Gen 2	SNB-Ab2	SNB-Ac2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LA4P	SNB-L1	Tri-Symmetry	SNB-AcS	SNB-BP	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LA41	SNB-L1	Tri-Gen 1	SNB-Ac1	SNB-B1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LA42	SNB-L1	Tri-Gen 2	SNB-Ac2	SNB-B2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB1P	SNB-L2	Tri-Symmetry	SNB-BP	SNB-BaS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB11	SNB-L2	Tri-Gen 1	SNB-B1	SNB-Ba1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB12	SNB-L2	Tri-Gen 2	SNB-B2	SNB-Ba2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB2P	SNB-L2	Tri-Symmetry	SNB-BaS	SNB-BbS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB21	SNB-L2	Tri-Gen 1	SNB-Ba1	SNB-Bb1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB22	SNB-L2	Tri-Gen 2	SNB-Ba2	SNB-Bb2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB3P	SNB-L2	Tri-Symmetry	SNB-BbS	SNB-BcS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB31	SNB-L2	Tri-Gen 1	SNB-Bb1	SNB-Bc1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB32	SNB-L2	Tri-Gen 2	SNB-Bb2	SNB-Bc2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB4P	SNB-L2	Tri-Symmetry	SNB-BcS	SNB-CP	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB41	SNB-L2	Tri-Gen 1	SNB-Bc1	SNB-C1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LB42	SNB-L2	Tri-Gen 2	SNB-Bc2	SNB-C2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LC1P	SNB-L2	Tri-Symmetry	SNB-CP	SNB-CaS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LC11	SNB-L2	Tri-Gen 1	SNB-C1	SNB-Ca1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LC12	SNB-L2	Tri-Gen 2	SNB-C2	SNB-Ca2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LC2P	SNB-L2	Tri-Symmetry	SNB-CaS	SNB-CbS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LC21	SNB-L2	Tri-Gen 1	SNB-Ca1	SNB-Cb1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LC22	SNB-L2	Tri-Gen 2	SNB-Ca2	SNB-Cb2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LC3P	SNB-L2	Tri-Symmetry	SNB-CbS	SNB-DP	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LC31	SNB-L2	Tri-Gen 1	SNB-Cb1	SNB-D1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LC32	SNB-L2	Tri-Gen 2	SNB-Cb2	SNB-D2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LD1P	SNB-L3	Tri-Symmetry	SNB-DP	SNB-DaS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LD11	SNB-L3	Tri-Gen 1	SNB-D1	SNB-Da1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LD12	SNB-L3	Tri-Gen 2	SNB-D2	SNB-Da2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LD2P	SNB-L3	Tri-Symmetry	SNB-DaS	SNB-DbS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LD21	SNB-L3	Tri-Gen 1	SNB-Da1	SNB-Db1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LD22	SNB-L3	Tri-Gen 2	SNB-Da2	SNB-Db2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LD3P	SNB-L3	Tri-Symmetry	SNB-DbS	SNB-EP	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LD31	SNB-L3	Tri-Gen 1	SNB-Db1	SNB-E1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LD32	SNB-L3	Tri-Gen 2	SNB-Db2	SNB-E2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LE1P	SNB-L4	Tri-Symmetry	SNB-EP	SNB-EaS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LE11	SNB-L4	Tri-Gen 1	SNB-E1	SNB-Ea1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LE12	SNB-L4	Tri-Gen 2	SNB-E2	SNB-Ea2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LE2P	SNB-L4	Tri-Symmetry	SNB-EaS	SNB-EbS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LE21	SNB-L4	Tri-Gen 1	SNB-Ea1	SNB-Eb1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LE22	SNB-L4	Tri-Gen 2	SNB-Ea2	SNB-Eb2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LE3P	SNB-L4	Tri-Symmetry	SNB-EbS	SNB-FP	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LE31	SNB-L4	Tri-Gen 1	SNB-Eb1	SNB-F1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LE32	SNB-L4	Tri-Gen 2	SNB-Eb2	SNB-F2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LF1P	SNB-L4	Tri-Symmetry	SNB-FP	SNB-FaS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LF11	SNB-L4	Tri-Gen 1	SNB-F1	SNB-Fa1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LF12	SNB-L4	Tri-Gen 2	SNB-F2	SNB-Fa2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LF2P	SNB-L4	Tri-Symmetry	SNB-FaS	SNB-GP	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LF21	SNB-L4	Tri-Gen 1	SNB-Fa1	SNB-G1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LF22	SNB-L4	Tri-Gen 2	SNB-Fa2	SNB-G2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LG1P	SNB-L5	Tri-Symmetry	SNB-GP	SNB-GaS	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LG11	SNB-L5	Tri-Gen 1	SNB-G1	SNB-Ga1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LG12	SNB-L5	Tri-Gen 2	SNB-G2	SNB-Ga2	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LG2P	SNB-L5	Tri-Symmetry	SNB-GaS	SNB-HP	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LG21	SNB-L5	Tri-Gen 1	SNB-Ga1	SNB-H1	1	4	0	0	0			0	0	0		0	0	0	0	0
SNB-LG22	SNB-L5	Tri-Gen 2	SNB-Ga2	SNB-H2	1	4	0	0	0			0	0	0		0	0	0	0	0

SNB-LH1P	SNB-L5	Tri-Symmetry	SNB-HP	SNB-HaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LH11	SNB-L5	Tri-Gen 1	SNB-H1	SNB-Ha1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LH12	SNB-L5	Tri-Gen 2	SNB-H2	SNB-Ha2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LH2P	SNB-L5	Tri-Symmetry	SNB-HaS	SNB-IP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LH21	SNB-L5	Tri-Gen 1	SNB-Ha1	SNB-I1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LH22	SNB-L5	Tri-Gen 2	SNB-Ha2	SNB-I2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LI1P	SNB-L6	Tri-Symmetry	SNB-IP	SNB-IaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LI11	SNB-L6	Tri-Gen 1	SNB-I1	SNB-Ia1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LI12	SNB-L6	Tri-Gen 2	SNB-I2	SNB-Ia2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LI2P	SNB-L6	Tri-Symmetry	SNB-IaS	SNB-JP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LI21	SNB-L6	Tri-Gen 1	SNB-Ia1	SNB-J1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-LI22	SNB-L6	Tri-Gen 2	SNB-Ia2	SNB-J2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect AP	Connect	Tri-Symmetry	RohnAP	SNB-AP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect A1	Connect	Tri-Gen 1	RohnA1	SNB-A1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect A2	Connect	Tri-Gen 2	RohnA2	SNB-A2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect AaP	Connect	Tri-Symmetry	RohnAaS	SNB-AaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Aa1	Connect	Tri-Gen 1	RohnAa1	SNB-Aa1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Aa2	Connect	Tri-Gen 2	RohnAa2	SNB-Aa2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect AbP	Connect	Tri-Symmetry	RohnAbS	SNB-AbS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ab1	Connect	Tri-Gen 1	RohnAb1	SNB-Ab1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ab2	Connect	Tri-Gen 2	RohnAb2	SNB-Ab2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect AcP	Connect	Tri-Symmetry	RohnAcS	SNB-AcS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ac1	Connect	Tri-Gen 1	RohnAc1	SNB-Ac1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ac2	Connect	Tri-Gen 2	RohnAc2	SNB-Ac2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect BP	Connect	Tri-Symmetry	RohnBP	SNB-BP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect B1	Connect	Tri-Gen 1	RohnB1	SNB-B1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect B2	Connect	Tri-Gen 2	RohnB2	SNB-B2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect BaP	Connect	Tri-Symmetry	RohnBaS	SNB-BaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ba1	Connect	Tri-Gen 1	RohnBa1	SNB-Ba1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ba2	Connect	Tri-Gen 2	RohnBa2	SNB-Ba2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect BbP	Connect	Tri-Symmetry	RohnBbS	SNB-BbS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Bb1	Connect	Tri-Gen 1	RohnBb1	SNB-Bb1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Bb2	Connect	Tri-Gen 2	RohnBb2	SNB-Bb2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect BcP	Connect	Tri-Symmetry	RohnBcS	SNB-BcS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Bc1	Connect	Tri-Gen 1	RohnBc1	SNB-Bc1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Bc2	Connect	Tri-Gen 2	RohnBc2	SNB-Bc2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect CP	Connect	Tri-Symmetry	RohnCP	SNB-CP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect C1	Connect	Tri-Gen 1	RohnC1	SNB-C1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect C2	Connect	Tri-Gen 2	RohnC2	SNB-C2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect CaP	Connect	Tri-Symmetry	RohnCaS	SNB-CaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ca1	Connect	Tri-Gen 1	RohnCa1	SNB-Ca1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ca2	Connect	Tri-Gen 2	RohnCa2	SNB-Ca2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect CbP	Connect	Tri-Symmetry	RohnCbS	SNB-CbS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Cb1	Connect	Tri-Gen 1	RohnCb1	SNB-Cb1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Cb2	Connect	Tri-Gen 2	RohnCb2	SNB-Cb2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect DP	Connect	Tri-Symmetry	RohnDP	SNB-DP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect D1	Connect	Tri-Gen 1	RohnD1	SNB-D1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect D2	Connect	Tri-Gen 2	RohnD2	SNB-D2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect DaP	Connect	Tri-Symmetry	RohnDaS	SNB-DaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Da1	Connect	Tri-Gen 1	RohnDa1	SNB-Da1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Da2	Connect	Tri-Gen 2	RohnDa2	SNB-Da2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect DbP	Connect	Tri-Symmetry	RohnDbS	SNB-DbS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Db1	Connect	Tri-Gen 1	RohnDb1	SNB-Db1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Db2	Connect	Tri-Gen 2	RohnDb2	SNB-Db2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect EP	Connect	Tri-Symmetry	RohnEP	SNB-EP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect E1	Connect	Tri-Gen 1	RohnE1	SNB-E1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect E2	Connect	Tri-Gen 2	RohnE2	SNB-E2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect EaP	Connect	Tri-Symmetry	RohnEaS	SNB-EaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ea1	Connect	Tri-Gen 1	RohnEa1	SNB-Ea1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ea2	Connect	Tri-Gen 2	RohnEa2	SNB-Ea2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect EbP	Connect	Tri-Symmetry	RohnEbS	SNB-EbS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Eb1	Connect	Tri-Gen 1	RohnEb1	SNB-Eb1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Eb2	Connect	Tri-Gen 2	RohnEb2	SNB-Eb2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect FP	Connect	Tri-Symmetry	RohnFP	SNB-FP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect F1	Connect	Tri-Gen 1	RohnF1	SNB-F1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect F2	Connect	Tri-Gen 2	RohnF2	SNB-F2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect FaP	Connect	Tri-Symmetry	RohnFaS	SNB-FaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Fa1	Connect	Tri-Gen 1	RohnFa1	SNB-Fa1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Fa2	Connect	Tri-Gen 2	RohnFa2	SNB-Fa2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect GP	Connect	Tri-Symmetry	RohnGP	SNB-GP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect G1	Connect	Tri-Gen 1	RohnG1	SNB-G1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect G2	Connect	Tri-Gen 2	RohnG2	SNB-G2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect GaP	Connect	Tri-Symmetry	RohnGaS	SNB-GaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ga1	Connect	Tri-Gen 1	RohnGa1	SNB-Ga1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0

Connect Ga2	Connect	Tri-Gen 2	RohnGa2	SNB-Ga2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect HP	Connect	Tri-Symmetry	RohnHP	SNB-HP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect H1	Connect	Tri-Gen 1	RohnH1	SNB-H1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect H2	Connect	Tri-Gen 2	RohnH2	SNB-H2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect HaP	Connect	Tri-Symmetry	RohnHaS	SNB-HaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ha1	Connect	Tri-Gen 1	RohnHa1	SNB-Ha1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ha2	Connect	Tri-Gen 2	RohnHa2	SNB-Ha2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect IP	Connect	Tri-Symmetry	RohnIP	SNB-IP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect I1	Connect	Tri-Gen 1	RohnI1	SNB-I1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect I2	Connect	Tri-Gen 2	RohnI2	SNB-I2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect IaP	Connect	Tri-Symmetry	RohnIaS	SNB-IaS	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ia1	Connect	Tri-Gen 1	RohnIa1	SNB-Ia1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Connect Ia2	Connect	Tri-Gen 2	RohnIa2	SNB-Ia2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H1P	SNB-H1	Tri-Symmetry	SNB-AP	SNB-A1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H11	SNB-H1	Tri-Gen 1	SNB-A1	SNB-A2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H12	SNB-H1	Tri-Gen 2	SNB-A2	SNB-AP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H2P	SNB-H1	Tri-Symmetry	SNB-BP	SNB-B1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H21	SNB-H1	Tri-Gen 1	SNB-B1	SNB-B2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H22	SNB-H1	Tri-Gen 2	SNB-B2	SNB-BP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H3P	SNB-H1	Tri-Symmetry	SNB-CP	SNB-C1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H31	SNB-H1	Tri-Gen 1	SNB-C1	SNB-C2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H32	SNB-H1	Tri-Gen 2	SNB-C2	SNB-CP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H4P	SNB-H1	Tri-Symmetry	SNB-DP	SNB-D1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H41	SNB-H1	Tri-Gen 1	SNB-D1	SNB-D2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H42	SNB-H1	Tri-Gen 2	SNB-D2	SNB-DP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H5P	SNB-H2	Tri-Symmetry	SNB-EP	SNB-E1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H51	SNB-H2	Tri-Gen 1	SNB-E1	SNB-E2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H52	SNB-H2	Tri-Gen 2	SNB-E2	SNB-EP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H6P	SNB-H2	Tri-Symmetry	SNB-FP	SNB-F1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H61	SNB-H2	Tri-Gen 1	SNB-F1	SNB-F2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H62	SNB-H2	Tri-Gen 2	SNB-F2	SNB-FP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H7P	SNB-H2	Tri-Symmetry	SNB-GP	SNB-G1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H71	SNB-H2	Tri-Gen 1	SNB-G1	SNB-G2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H72	SNB-H2	Tri-Gen 2	SNB-G2	SNB-GP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H8P	SNB-H2	Tri-Symmetry	SNB-HP	SNB-H1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H81	SNB-H2	Tri-Gen 1	SNB-H1	SNB-H2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H82	SNB-H2	Tri-Gen 2	SNB-H2	SNB-HP	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H9P	SNB-H2	Tri-Symmetry	SNB-IP	SNB-I1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H91	SNB-H2	Tri-Gen 1	SNB-I1	SNB-I2	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
SNB-H92	SNB-H2	Tri-Gen 2	SNB-I2	SNB-IP	1	4	0	0	0	0	0	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	8.156	Bearing	8.156	Bearing	0	9.16	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA11	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.16	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA12	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.16	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA2P	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.16	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA21	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.16	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA22	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.16	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA3P	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.45	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA31	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.45	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA32	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.45	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA4P	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.45	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA41	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.45	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA42	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.45	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA5P	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.74	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA51	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.74	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA52	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.74	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA6P	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.74	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA61	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.74	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA62	Rohn-D1	8.156	Bearing	8.156	Bearing	0	9.74	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA7P	Rohn-D1	8.156	Bearing	8.156	Bearing	0	10.03	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA71	Rohn-D1	8.156	Bearing	8.156	Bearing	0	10.03	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA72	Rohn-D1	8.156	Bearing	8.156	Bearing	0	10.03	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA8P	Rohn-D1	8.156	Bearing	8.156	Bearing	0	10.03	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA81	Rohn-D1	8.156	Bearing	8.156	Bearing	0	10.03	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA82	Rohn-D1	8.156	Bearing	8.156	Bearing	0	10.03	13.392	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB1P	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.33	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	

Rohn-DB11	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.33	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB12	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.33	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB2P	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.33	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB21	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.33	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB22	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.33	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB3P	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.63	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB31	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.63	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB32	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.63	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB4P	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.63	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB41	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.63	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB42	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.63	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB5P	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.93	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB51	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.93	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB52	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.93	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB6P	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.93	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB61	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.93	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB62	Rohn-D2	8.156	Bearing	8.156	Bearing	0	10.93	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB7P	Rohn-D2	8.156	Bearing	8.156	Bearing	0	11.24	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB71	Rohn-D2	8.156	Bearing	8.156	Bearing	0	11.24	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB72	Rohn-D2	8.156	Bearing	8.156	Bearing	0	11.24	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB8P	Rohn-D2	8.156	Bearing	8.156	Bearing	0	11.24	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB81	Rohn-D2	8.156	Bearing	8.156	Bearing	0	11.24	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DB82	Rohn-D2	8.156	Bearing	8.156	Bearing	0	11.24	15.336	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic
Rohn-DC1P	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.40	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC11	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.40	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC12	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.40	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC2P	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.40	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC21	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.40	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC22	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.40	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC3P	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.80	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC31	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.80	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC32	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.80	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC4P	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.80	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC41	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.80	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC42	Rohn-D3	8.156	Bearing	8.156	Bearing	0	12.80	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC5P	Rohn-D3	8.156	Bearing	8.156	Bearing	0	13.18	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC51	Rohn-D3	8.156	Bearing	8.156	Bearing	0	13.18	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC52	Rohn-D3	8.156	Bearing	8.156	Bearing	0	13.18	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC6P	Rohn-D3	8.156	Bearing	8.156	Bearing	0	13.18	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC61	Rohn-D3	8.156	Bearing	8.156	Bearing	0	13.18	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DC62	Rohn-D3	8.156	Bearing	8.156	Bearing	0	13.18	19.483	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic
Rohn-DD1P	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.57	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD11	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.57	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD12	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.57	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD2P	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.57	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD21	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.57	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD22	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.57	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD3P	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.98	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD31	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.98	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD32	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.98	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD4P	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.98	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD41	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.98	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD42	Rohn-D4	10.875	Bearing	10.875	Bearing	0	13.98	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD5P	Rohn-D4	10.875	Bearing	10.875	Bearing	0	14.37	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD51	Rohn-D4	10.875	Bearing	10.875	Bearing	0	14.37	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD52	Rohn-D4	10.875	Bearing	10.875	Bearing	0	14.37	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD6P	Rohn-D4	10.875	Bearing	10.875	Bearing	0	14.37	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD61	Rohn-D4	10.875	Bearing	10.875	Bearing	0	14.37	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DD62	Rohn-D4	10.875	Bearing	10.875	Bearing	0	14.37	25.704	16.200	10.875	22.144	13.594	0.000	0.000	0.000		0.000		Automatic
Rohn-DE1P	Rohn-D5	12.187	Bearing	12.187	Bearing	0	14.77	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE11	Rohn-D5	12.187	Bearing	12.187	Bearing	0	14.77	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE12	Rohn-D5	12.187	Bearing	12.187	Bearing	0	14.77	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE2P	Rohn-D5	12.187	Bearing	12.187	Bearing	0	14.77	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE21	Rohn-D5	12.187	Bearing	12.187	Bearing	0	14.77	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE22	Rohn-D5	12.187	Bearing	12.187	Bearing	0	14.77	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE3P	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.19	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE31	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.19	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE32	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.19	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE4P	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.19	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE41	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.19	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE42	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.19	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE5P	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.59	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE51	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.59	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic
Rohn-DE52	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.59	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000		Automatic

Rohn-DE6P	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.59	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DE61	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.59	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DE62	Rohn-D5	12.187	Bearing	12.187	Bearing	0	15.59	43.200	16.200	12.187	30.910	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF1P	Rohn-D6	12.187	Bearing	12.187	Bearing	0	17.75	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF11	Rohn-D6	12.187	Bearing	12.187	Bearing	0	17.75	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF12	Rohn-D6	12.187	Bearing	12.187	Bearing	0	17.75	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF2P	Rohn-D6	12.187	Bearing	12.187	Bearing	0	17.75	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF21	Rohn-D6	12.187	Bearing	12.187	Bearing	0	17.75	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF22	Rohn-D6	12.187	Bearing	12.187	Bearing	0	17.75	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF3P	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.32	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF31	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.32	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF32	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.32	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF4P	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.32	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF41	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.32	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DF42	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.32	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG1P	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.89	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG11	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.89	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG12	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.89	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG2P	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.89	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG21	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.89	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG22	Rohn-D6	12.187	Bearing	12.187	Bearing	0	18.89	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG3P	Rohn-D6	12.187	Bearing	12.187	Bearing	0	19.47	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG31	Rohn-D6	12.187	Bearing	12.187	Bearing	0	19.47	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG32	Rohn-D6	12.187	Bearing	12.187	Bearing	0	19.47	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG4P	Rohn-D6	12.187	Bearing	12.187	Bearing	0	19.47	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG41	Rohn-D6	12.187	Bearing	12.187	Bearing	0	19.47	50.135	16.200	12.187	37.004	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DG42	Rohn-D6	12.187	Bearing	12.187	Bearing	0	19.47	50.135	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	0	20.06	50.586	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	0	20.06	50.586	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	0	20.06	50.586	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	0	20.06	50.586	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	0	20.06	50.586	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	0	20.06	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DH3P	Rohn-D7	12.187	Bearing	12.187	Bearing	0	20.65	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DH31	Rohn-D7	12.187	Bearing	12.187	Bearing	0	20.65	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DH32	Rohn-D7	12.187	Bearing	12.187	Bearing	0	20.65	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DH4P	Rohn-D7	12.187	Bearing	12.187	Bearing	0	20.65	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DH41	Rohn-D7	12.187	Bearing	12.187	Bearing	0	20.65	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DH42	Rohn-D7	12.187	Bearing	12.187	Bearing	0	20.65	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI1P	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.25	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI11	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.25	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI12	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.25	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI2P	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.25	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI21	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.25	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI22	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.25	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI3P	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.86	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI31	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.86	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI32	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.86	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI4P	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.86	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI41	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.86	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-DI42	Rohn-D7	12.187	Bearing	12.187	Bearing	0	21.86	50.586	16.200	12.187	43.098	15.234	0.000	0.000	0.000		0.000	Automatic
Rohn-LA1P	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA11	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA12	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA2P	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA21	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA22	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA3P	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA31	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA32	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA4P	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA41	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LA42	Rohn-L1	84.900	L/r	84.900	Net Sect	0	5.00	84.900	0.000	0.000	84.900	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB1P	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB11	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB12	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB2P	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB21	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB22	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB3P	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB31	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB32	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB4P	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic
Rohn-LB41	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000		0.000	Automatic

Rohn-LB42	Rohn-L2	103.200	L/r	103.200	Net Sect	0	5.00	103.200	0.000	0.000	103.200	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC1P	Rohn-L3	124.200	L/r	124.200	Net Sect	0	6.67	124.200	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC11	Rohn-L3	124.200	L/r	124.200	Net Sect	0	6.67	124.200	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC12	Rohn-L3	124.200	L/r	124.200	Net Sect	0	6.67	124.200	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC2P	Rohn-L3	124.200	L/r	124.200	Net Sect	0	6.69	124.200	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC21	Rohn-L3	124.200	L/r	124.200	Net Sect	0	6.69	124.200	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC22	Rohn-L3	124.200	L/r	124.200	Net Sect	0	6.69	124.200	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC3P	Rohn-L3	124.200	L/r	124.200	Net Sect	0	6.67	124.200	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC31	Rohn-L3	124.200	L/r	124.200	Net Sect	0	6.67	124.200	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC32	Rohn-L3	124.200	L/r	124.200	Net Sect	0	6.67	124.200	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD1P	Rohn-L4	120.900	L/r	120.900	Net Sect	0	6.67	120.900	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD11	Rohn-L4	120.900	L/r	120.900	Net Sect	0	6.67	120.900	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD12	Rohn-L4	120.900	L/r	120.900	Net Sect	0	6.69	120.900	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD2P	Rohn-L4	120.900	L/r	120.900	Net Sect	0	6.69	120.900	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD21	Rohn-L4	120.900	L/r	120.900	Net Sect	0	6.69	120.900	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD22	Rohn-L4	120.900	L/r	120.900	Net Sect	0	6.67	120.900	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD3P	Rohn-L4	120.900	L/r	120.900	Net Sect	0	6.67	120.900	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD31	Rohn-L4	120.900	L/r	120.900	Net Sect	0	6.67	120.900	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD32	Rohn-L4	120.900	L/r	120.900	Net Sect	0	6.67	120.900	0.000	0.000	120.900	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE1P	Rohn-L5	171.600	L/r	171.600	Net Sect	0	6.67	171.600	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE11	Rohn-L5	171.600	L/r	171.600	Net Sect	0	6.67	171.600	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE12	Rohn-L5	171.600	L/r	171.600	Net Sect	0	6.67	171.600	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE2P	Rohn-L5	171.600	L/r	171.600	Net Sect	0	6.69	171.600	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE21	Rohn-L5	171.600	L/r	171.600	Net Sect	0	6.69	171.600	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE22	Rohn-L5	171.600	L/r	171.600	Net Sect	0	6.69	171.600	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE3P	Rohn-L5	171.600	L/r	171.600	Net Sect	0	6.67	171.600	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE31	Rohn-L5	171.600	L/r	171.600	Net Sect	0	6.67	171.600	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE32	Rohn-L5	171.600	L/r	171.600	Net Sect	0	6.67	171.600	0.000	0.000	171.600	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF1P	Rohn-L6	201.300	L/r	201.300	Net Sect	0	10.01	201.300	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF11	Rohn-L6	201.300	L/r	201.300	Net Sect	0	10.01	201.300	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF12	Rohn-L6	201.300	L/r	201.300	Net Sect	0	10.01	201.300	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF2P	Rohn-L6	201.300	L/r	201.300	Net Sect	0	10.01	201.300	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF21	Rohn-L6	201.300	L/r	201.300	Net Sect	0	10.01	201.300	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF22	Rohn-L6	201.300	L/r	201.300	Net Sect	0	10.01	201.300	0.000	0.000	201.300	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG1P	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG11	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG12	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG2P	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG21	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG22	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH1P	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH11	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH12	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH2P	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH21	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH22	Rohn-L7	236.400	L/r	236.400	Net Sect	0	10.01	236.400	0.000	0.000	236.400	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI1P	Rohn-L8	295.800	L/r	295.800	Net Sect	0	10.01	295.800	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI11	Rohn-L8	295.800	L/r	295.800	Net Sect	0	10.01	295.800	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI12	Rohn-L8	295.800	L/r	295.800	Net Sect	0	10.01	295.800	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI2P	Rohn-L8	295.800	L/r	295.800	Net Sect	0	10.01	295.800	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI21	Rohn-L8	295.800	L/r	295.800	Net Sect	0	10.01	295.800	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI22	Rohn-L8	295.800	L/r	295.800	Net Sect	0	10.01	295.800	0.000	0.000	295.800	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H1P	Rohn-H1	13.392	L/r	13.392	Net Sect	0	7.50	13.392	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H11	Rohn-H1	13.392	L/r	13.392	Net Sect	0	7.50	13.392	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H12	Rohn-H1	13.392	L/r	13.392	Net Sect	0	7.50	13.392	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H2P	Rohn-H1	13.392	L/r	13.392	Net Sect	0	8.87	13.392	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H21	Rohn-H1	13.392	L/r	13.392	Net Sect	0	8.87	13.392	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H22	Rohn-H1	13.392	L/r	13.392	Net Sect	0	8.87	13.392	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA1P	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.54	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA11	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.54	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA12	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.54	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA2P	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.54	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA21	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.54	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA22	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.54	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA3P	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.76	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA31	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.76	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA32	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.76	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA4P	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.76	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA41	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.76	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA42	SNB-D1	13.594	Bearing	13.594	Bearing	0	6.76	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA5P	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.00	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA51	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.00	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA52	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.00	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA6P	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.00	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	0.000	Automatic

SNB-DA61	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.00	24.840	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	0	7.00	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA7P	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.24	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA71	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.24	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA72	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.24	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA8P	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.24	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA81	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.24	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA82	SNB-D1	13.594	Bearing	13.594	Bearing	0	7.24	24.840	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DB1P	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.49	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB11	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.49	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB12	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.49	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB2P	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.49	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB21	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.49	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB22	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.49	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB3P	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.75	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB31	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.75	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB32	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.75	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB4P	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.75	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB41	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.75	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB42	SNB-D2	10.875	Bearing	10.875	Bearing	0	7.75	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB5P	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.01	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB51	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.01	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB52	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.01	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB6P	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.01	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB61	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.01	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB62	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.01	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB7P	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.28	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB71	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.28	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB72	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.28	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB8P	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.28	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB81	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.28	20.304	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB82	SNB-D2	10.875	Bearing	10.875	Bearing	0	8.28	20.304	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	0	9.66	31.536	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	0	9.66	31.536	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	0	9.66	31.536	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	0	9.66	31.536	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	0	9.66	31.536	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	0	9.66	31.536	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	0	10.01	31.536	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	0	10.01	31.536	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	0	10.01	31.536	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	0	10.01	31.536	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	0	10.01	31.536	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	0	10.01	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC5P	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.34	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC51	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.34	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC52	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.34	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC6P	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.34	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC61	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.34	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC62	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.34	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD1P	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.69	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD11	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.69	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD12	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.69	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD2P	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.69	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD21	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.69	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD22	SNB-D3	13.594	Bearing	13.594	Bearing	0	10.69	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD3P	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.06	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD31	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.06	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD32	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.06	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD4P	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.06	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD41	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.06	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD42	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.06	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD5P	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.41	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD51	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.41	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD52	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.41	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD6P	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.41	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD61	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.41	31.536	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD62	SNB-D3	13.594	Bearing	13.594	Bearing	0	11.41	31.536	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	0	11.78	59.400	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	0	11.78	59.400	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	0	11.78	59.400	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	0	11.78	59.400	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	0	11.78	59.400	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	0	11.78	59.400	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	0	12.17	59.400	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	0	12.17	59.400	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	0	12.17	59.400	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	0	12.17	59.400	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	0	12.17	59.400	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	0	12.17	59.400	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	0	12.54	59.400	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	0	12.54	59.400	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	0	12.54	59.400	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	0	12.54	59.400	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	0	12.54	59.400	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	0	12.54	59.400	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	0	15.01	81.000	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	0	15.01	81.000	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	0	15.01	81.000	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	0	15.01	81.000	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	0	15.01	81.000	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	0	15.01	81.000	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	0	15.53	81.000	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	0	15.53	81.000	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	0	15.53	81.000	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	0	15.53	81.000	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	0	15.53	81.000	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	0	15.53	81.000	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	0	16.06	99.576	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	0	16.06	99.576	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	0	16.06	99.576	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	0	16.06	99.576	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	0	16.06	99.576	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	0	16.59	99.576	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	0	16.59	99.576	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	0	16.59	99.576	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	0	16.59	99.576	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	0	16.59	99.576	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	0	16.59	99.576	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	0	17.14	99.576	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	0	17.14	99.576	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	0	17.14	99.576	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	0	17.14	99.576	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	0	17.14	99.576	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	0	17.14	99.576	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	0	17.70	99.576	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	0	17.70	99.576	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	0	17.70	99.576	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	0	17.70	99.576	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	0	17.70	99.576	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	0	17.70	99.576	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	0	17.70	99.576	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	0	18.27	126.576	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	0	18.27	126.576	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	0	18.27	126.576	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	0	18.27	126.576	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	0	18.27	126.576	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	0	18.27	126.576	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	0	18.84	126.576	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	0	18.84	126.576	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	0	18.84	126.576	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	0	18.84	126.576	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	0	18.84	126.576	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	0	18.84	126.576	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-LA1P	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA11	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA12	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA2P	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA21	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA22	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA3P	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA31	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA32	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA4P	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA41	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA42	SNB-L1	90.720	L/r	90.720	Net Sect	0	5.00	90.720	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB1P	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB11	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic

SNB-LB12	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB2P	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB21	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB22	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB3P	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB31	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB32	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB4P	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB41	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB42	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC1P	SNB-L2	134.136	L/r	134.136	Net Sect	0	5.00	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC11	SNB-L2	134.136	L/r	134.136	Net Sect	0	6.67	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC12	SNB-L2	134.136	L/r	134.136	Net Sect	0	6.67	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC2P	SNB-L2	134.136	L/r	134.136	Net Sect	0	6.67	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC21	SNB-L2	134.136	L/r	134.136	Net Sect	0	6.69	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC22	SNB-L2	134.136	L/r	134.136	Net Sect	0	6.69	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC3P	SNB-L2	134.136	L/r	134.136	Net Sect	0	6.69	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC31	SNB-L2	134.136	L/r	134.136	Net Sect	0	6.67	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC32	SNB-L2	134.136	L/r	134.136	Net Sect	0	6.67	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD1P	SNB-L3	123.552	L/r	123.552	Net Sect	0	6.67	123.552	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD11	SNB-L3	123.552	L/r	123.552	Net Sect	0	6.67	123.552	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD12	SNB-L3	123.552	L/r	123.552	Net Sect	0	6.67	123.552	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD2P	SNB-L3	123.552	L/r	123.552	Net Sect	0	6.69	123.552	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD21	SNB-L3	123.552	L/r	123.552	Net Sect	0	6.69	123.552	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD22	SNB-L3	123.552	L/r	123.552	Net Sect	0	6.69	123.552	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD3P	SNB-L3	123.552	L/r	123.552	Net Sect	0	6.67	123.552	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD31	SNB-L3	123.552	L/r	123.552	Net Sect	0	6.67	123.552	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD32	SNB-L3	123.552	L/r	123.552	Net Sect	0	6.67	123.552	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE1P	SNB-L4	231.120	L/r	231.120	Net Sect	0	6.67	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE11	SNB-L4	231.120	L/r	231.120	Net Sect	0	6.67	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE12	SNB-L4	231.120	L/r	231.120	Net Sect	0	6.67	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE2P	SNB-L4	231.120	L/r	231.120	Net Sect	0	6.69	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE21	SNB-L4	231.120	L/r	231.120	Net Sect	0	6.69	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE22	SNB-L4	231.120	L/r	231.120	Net Sect	0	6.69	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE3P	SNB-L4	231.120	L/r	231.120	Net Sect	0	6.67	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE31	SNB-L4	231.120	L/r	231.120	Net Sect	0	6.67	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE32	SNB-L4	231.120	L/r	231.120	Net Sect	0	6.67	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF1P	SNB-L4	231.120	L/r	231.120	Net Sect	0	10.01	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF11	SNB-L4	231.120	L/r	231.120	Net Sect	0	10.01	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF12	SNB-L4	231.120	L/r	231.120	Net Sect	0	10.01	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF2P	SNB-L4	231.120	L/r	231.120	Net Sect	0	10.01	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF21	SNB-L4	231.120	L/r	231.120	Net Sect	0	10.01	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF22	SNB-L4	231.120	L/r	231.120	Net Sect	0	10.01	231.120	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG1P	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG11	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG12	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG2P	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG21	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG22	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH1P	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH11	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH12	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH2P	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH21	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH22	SNB-L5	276.480	L/r	276.480	Net Sect	0	10.01	276.480	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI1P	SNB-L6	347.759	L/r	347.759	Net Sect	0	10.01	347.759	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI11	SNB-L6	347.759	L/r	347.759	Net Sect	0	10.01	347.759	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI12	SNB-L6	347.759	L/r	347.759	Net Sect	0	10.01	347.759	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI2P	SNB-L6	347.759	L/r	347.759	Net Sect	0	10.01	347.759	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI21	SNB-L6	347.759	L/r	347.759	Net Sect	0	10.01	347.759	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI22	SNB-L6	347.759	L/r	347.759	Net Sect	0	10.01	347.759	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect A1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect A2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AaP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Aa1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Aa2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AbP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ab1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ab2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AcP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ac1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ac2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	0.000	Automatic

Connect B1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect B2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect BaP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ba1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ba2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect BbP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Bb1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Bb2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect BcP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Bc1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Bc2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect CP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect C1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect C2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect CaP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ca1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ca2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect CbP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Cb1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Cb2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect DP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect D1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect D2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect DaP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Da1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Da2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect DbP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Db1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Db2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect EP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect E1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect E2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect EaP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ea1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ea2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect EbP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Eb1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Eb2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect FP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect F1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect F2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect FaP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Fa1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Fa2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect GP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect G1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect G2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect GaP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ga1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ga2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect HP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect H1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect H2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect HaP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ha1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ha2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect IP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect I1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect I2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect IaP	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ia1	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
Connect Ia2	Connect	17279.973	L/r	17279.973	Net Sect	0	2.00	17279.973	0.000	0.000	17279.973	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H1P	SNB-H1	88.668	L/r	88.668	Net Sect	0	4.04	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H11	SNB-H1	88.668	L/r	88.668	Net Sect	0	4.04	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H12	SNB-H1	88.668	L/r	88.668	Net Sect	0	4.04	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H2P	SNB-H1	88.668	L/r	88.668	Net Sect	0	5.41	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H21	SNB-H1	88.668	L/r	88.668	Net Sect	0	5.41	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H22	SNB-H1	88.668	L/r	88.668	Net Sect	0	5.41	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H3P	SNB-H1	88.668	L/r	88.668	Net Sect	0	6.77	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H31	SNB-H1	88.668	L/r	88.668	Net Sect	0	6.77	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H32	SNB-H1	88.668	L/r	88.668	Net Sect	0	6.77	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H4P	SNB-H1	88.668	L/r	88.668	Net Sect	0	8.13	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H41	SNB-H1	88.668	L/r	88.668	Net Sect	0	8.13	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic
SNB-H42	SNB-H1	88.668	L/r	88.668	Net Sect	0	8.13	88.668	0.000	0.000	88.668	0.000	0.000	0.000	0.000		0.000	Automatic

SNB-H5P	SNB-H2	134.136	L/r	134.136	Net Sect	0	9.49	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H51	SNB-H2	134.136	L/r	134.136	Net Sect	0	9.49	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H52	SNB-H2	134.136	L/r	134.136	Net Sect	0	9.49	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6P	SNB-H2	134.136	L/r	134.136	Net Sect	0	10.86	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H61	SNB-H2	134.136	L/r	134.136	Net Sect	0	10.86	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H62	SNB-H2	134.136	L/r	134.136	Net Sect	0	10.86	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7P	SNB-H2	134.136	L/r	134.136	Net Sect	0	12.22	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H71	SNB-H2	134.136	L/r	134.136	Net Sect	0	12.22	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H72	SNB-H2	134.136	L/r	134.136	Net Sect	0	12.22	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8P	SNB-H2	134.136	L/r	134.136	Net Sect	0	13.58	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H81	SNB-H2	134.136	L/r	134.136	Net Sect	0	13.58	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H82	SNB-H2	134.136	L/r	134.136	Net Sect	0	13.58	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H9P	SNB-H2	134.136	L/r	134.136	Net Sect	0	14.94	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H91	SNB-H2	134.136	L/r	134.136	Net Sect	0	14.94	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H92	SNB-H2	134.136	L/r	134.136	Net Sect	0	14.94	134.136	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic

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)
Decibel DB224 w/ ice	Dipole	41.6	5.67	0.00	Circle	1.00	0.00	0.00
Decibel DB225-K w/ ice	Dipole	3.9	0.81	0.00	Circle	1.00	0.00	0.00
RFS PD1110 w/ ice	Omni	32.8	3.05	0.00	Circle	1.00	0.00	0.00
RFS PD1142 w/ ice	Omni	21.5	2.80	0.00	Circle	1.00	0.00	0.00
Allgon 7184 w/ ice	Panel	27.0	3.00	0.00	Square	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
Celwave PD1167 w/ ice	Omni	18.2	2.25	0.00	Circle	1.00	0.00	0.00
CSS DUO-4-6060 w/ ice	Panel	80.6	3.30	0.00	Square	1.00	0.00	0.00
Scala OGT6-806 w/ ice	Omni	22.7	1.98	0.00	Circle	1.00	0.00	0.00
Rysma MG D3-800T0	Panel	30.0	3.56	0.00	Square	1.00	0.00	0.00
Andrew DB844H80-XY	Panel	40.0	3.58	0.00	Square	1.00	0.00	0.00
Powerwave P65-15-XL-2	Panel	70.0	8.54	0.00	Square	1.00	0.00	0.00
Andrew LNX-6514DS-T4M	Panel	60.0	8.51	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
Decibel DB806M-XT	Omni	20.0	2.50	0.00	Circle	1.00	0.00	0.00
4` Dish with Radome	Dish	120.0	13.10	0.00	Circle	1.00	0.00	0.00
GLF-940 Grid Dish		120.0	20.00	0.00	Circle	1.00	0.00	0.00
Decibel DB980	Panel	30.0	4.30	0.00	Square	1.00	0.00	0.00
GPS	GPS	20.0	1.00	0.00	Circle	1.00	0.00	0.00
Yagi	Yagi	30.0	1.00	0.00	Circle	1.00	0.00	0.00

Equipment Connectivity:

Equipment Label	Attach Label	Equipment Property Set	EIA Antenna Orientation Angle (deg)
Top-A	RohnAP	3` Stand-Off	0.00
Top-B	RohnA1	3` Stand-Off	120.00
Top-C	RohnA2	3` Stand-Off	240.00
Top-1	RohnAP	Dipole	0.00
Top-2	RohnA1	Decibel DB224 w/ ice	120.00
Top-3	RohnA1	RFS PD1110 w/ ice	120.00
Top-4	RohnA2	Andrew DB-583 w/ ice	240.00
Top-5	RohnAP	Scala OGT6-806 w/ ice	0.00
Top-6	RohnA2	Scala OGT6-806 w/ ice	240.00
Top-7	RohnAP	6` Dish with Radome	0.00
Top-8	RohnA1	6` Dish with Radome	120.00
Top-9	RohnA2	6` Dish with Radome	240.00
178	RohnAaS	TMA	0.00
176	RohnAa1	6` Dish with Radome	120.00
173-A	RohnAbS	3` Stand-Off	0.00

173-B	RohnAb1	3` Stand-Off	120.00
173-C	RohnAb2	3` Stand-Off	240.00
173-1	RohnAbS	Scala OGT6-806 w/ ice	0.00
173-2	RohnAbS	Decibel DB806M-XT	0.00
173-3	RohnAb1	Scala OGT6-806 w/ ice	120.00
173-4	RohnAb2	Decibel DB806M-XT	240.00
170	RohnAcS	4` Dish with Radome	0.00
163.5	RohnAc1	GLF-940	120.00
Cingular-A	RohnBbS	12` T-Arm	0.00
Cingular-B	RohnBb1	12` T-Arm	120.00
Cingular-C	RohnBb2	12` T-Arm	240.00
Cingular-1	RohnBbS	CSS DUO-4-6060 w/ ice	0.00
Cingular-2	RohnBbS	CSS DUO-4-6060 w/ ice	0.00
Cingular-3	RohnBbS	CSS DUO-4-6060 w/ ice	0.00
Cingular-4	RohnBbS	CSS DUO-4-6060 w/ ice	0.00
Cingular-5	RohnBb1	CSS DUO-4-6060 w/ ice	120.00
Cingular-6	RohnBb1	CSS DUO-4-6060 w/ ice	120.00
Cingular-7	RohnBb1	CSS DUO-4-6060 w/ ice	120.00
Cingular-8	RohnBb1	CSS DUO-4-6060 w/ ice	120.00
Cingular-9	RohnBb2	CSS DUO-4-6060 w/ ice	240.00
Cingular-10	RohnBb2	CSS DUO-4-6060 w/ ice	240.00
Cingular-11	RohnBb2	CSS DUO-4-6060 w/ ice	240.00
Cingular-12	RohnBb2	CSS DUO-4-6060 w/ ice	240.00
Cingular-13	RohnBbS	TMA	0.00
Cingular-14	RohnBb1	TMA	120.00
Cingular-15	RohnBb2	TMA	240.00
146-A	RohnBcS	3` Stand-Off	0.00
146-1	RohnBcS	Celwave PD1167 w/ ice	0.00
ATT-A	RohnBcS	12` T-Arm	0.00
ATT-B	RohnBc1	12` T-Arm	120.00
ATT-C	RohnBc2	12` T-Arm	240.00
ATT-1	RohnBcS	Allgon 7184 w/ ice	0.00
ATT-2	RohnBcS	Allgon 7184 w/ ice	0.00
ATT-3	RohnBcS	Allgon 7184 w/ ice	0.00
ATT-4	RohnBcS	Allgon 7184 w/ ice	0.00
ATT-5	RohnBc1	Allgon 7184 w/ ice	120.00
ATT-6	RohnBc1	Allgon 7184 w/ ice	120.00
ATT-7	RohnBc1	Allgon 7184 w/ ice	120.00
ATT-8	RohnBc1	Allgon 7184 w/ ice	120.00
ATT-9	RohnBc2	Allgon 7184 w/ ice	240.00
ATT-10	RohnBc2	Allgon 7184 w/ ice	240.00
ATT-11	RohnBc2	Allgon 7184 w/ ice	240.00
ATT-12	RohnBc2	Allgon 7184 w/ ice	240.00
Verizon-A	RohnCaS	12` T-Arm	0.00
Verizon-B	RohnCa1	12` T-Arm	120.00
Verizon-C	RohnCa2	12` T-Arm	240.00
Verizon-1	RohnCaS	Powerwave P65-15-XL-2	0.00
Verizon-2	RohnCaS	Andrew DB844H80-XY	0.00
Verizon-3	RohnCaS	Andrew DB844H80-XY	0.00
Verizon-4	RohnCaS	Rysma MG D3-800T0	0.00
Verizon-5	RohnCa1	Andrew LNX-6514DS-T4M	120.00
Verizon-6	RohnCa1	Andrew DB844H80-XY	120.00
Verizon-7	RohnCa1	Andrew DB844H80-XY	120.00
Verizon-8	RohnCa1	Rysma MG D3-800T0	120.00
Verizon-9	RohnCa2	Powerwave P65-15-XL-2	240.00
Verizon-10	RohnCa2	Andrew DB844H80-XY	240.00
Verizon-11	RohnCa2	Andrew DB844H80-XY	240.00
Verizon-12	RohnCa2	Rysma MG D3-800T0	240.00
126.5-A	RohnCbS	3` Stand-Off	0.00
126.5-1	RohnCbS	Decibel DB225-K w/ ice	0.00
120-1	RohnD1	RFS PD1142 w/ ice	120.00
Sprint-A	RohnDaS	12` T-Arm	0.00
Sprint-B	RohnDa1	12` T-Arm	120.00
Sprint-C	RohnDa2	12` T-Arm	240.00
Sprint-1	RohnDaS	Decibel DB980	0.00
Sprint-2	RohnDaS	Decibel DB980	0.00
Sprint-3	RohnDa1	Decibel DB980	120.00
Sprint-4	RohnDa1	Decibel DB980	120.00
Sprint-5	RohnDa2	Decibel DB980	240.00
Sprint-6	RohnDa2	Decibel DB980	240.00
114-A	RohnDaS	3` Stand-Off	0.00
114-1	RohnDaS	RFS PD1142 w/ ice	0.00
95	RohnEaS	Dipole	0.00
60-1	RohnGP	GPS	0.00

60-2	RohnG1	GPS	120.00
60-3	RohnG2	Yagi	240.00

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	29	Round	0	0	2.55	Yes	No
1/2"	2	180	4	Round	0	0	0.91	Yes	No
7/8"	2	180	16	Round	0	0	1.52	Yes	No
1-1/4"	2	180	12	Round	0	0	1.91	Yes	No
Full Cable Tray (wind only)	2	180	2	Round	24	0	0	Yes	Yes
Ellipitical	2	180	2	Round	0	0	2	Yes	No
3/8"	2	180	3	Round	0	0	0.65	Yes	No

*** Loads Data

Loads from file: c:\pls\tower\vz5-041\vz5-041.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 Latticed

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-C	3` Stand-Off	180.00	37.72	0.50	1.50	330.00							0.00	-56.58	75.00
Top-1	Dipole	180.00	37.72	0.50	6.00	90.00							0.00	-226.30	71.00
Top-2	Decibel DB224 w/ ice	180.00	37.72	0.50	5.67	210.00							0.00	-213.86	41.60
Top-3	RFS PD1110 w/ ice	180.00	37.72	0.50	3.05	210.00							0.00	-115.04	32.80
Top-4	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	330.00							0.00	-26.78	11.60
Top-5	Scala OGT6-806 w/ ice	180.00	37.72	0.50	1.98	90.00							0.00	-74.68	22.70
Top-6	Scala OGT6-806 w/ ice	180.00	37.72	0.50	1.98	330.00							0.00	-74.68	22.70
Top-7	6` Dish with Radome	180.00	37.72	0.50	29.00	90.00							0.00	-1093.80	220.00
Top-8	6` Dish with Radome	180.00	37.72	0.50	29.00	210.00							0.00	-1093.80	220.00
Top-9	6` Dish with Radome	180.00	37.72	0.50	29.00	330.00							0.00	-1093.80	220.00
178	TMA	175.00	37.41	0.50	1.00	90.00							0.00	-37.41	15.00
176	6` Dish with Radome	175.00	37.41	0.50	29.00	210.00							0.00	-1085.03	220.00
173-A	3` Stand-Off	170.00	37.11	0.50	1.50	90.00							0.00	-55.66	75.00
173-B	3` Stand-Off	170.00	37.11	0.50	1.50	210.00							0.00	-55.66	75.00
173-C	3` Stand-Off	170.00	37.11	0.50	1.50	330.00							0.00	-55.66	75.00
173-1	Scala OGT6-806 w/ ice	170.00	37.11	0.50	1.98	90.00							0.00	-73.47	22.70
173-2	Decibel DB806M-XT	170.00	37.11	0.50	2.50	90.00							0.00	-92.77	20.00
173-3	Scala OGT6-806 w/ ice	170.00	37.11	0.50	1.98	210.00							0.00	-73.47	22.70
173-4	Decibel DB806M-XT	170.00	37.11	0.50	2.50	330.00							0.00	-92.77	20.00
170	4` Dish with Radome	165.00	36.79	0.50	13.10	90.00							0.00	-481.96	120.00
163.5	GLF-940	165.00	36.79	0.50	20.00	210.00							0.00	-735.82	120.00
Cingular-A	12` T-Arm	150.00	35.80	0.50	10.00	90.00							0.00	-358.03	600.00
Cingular-B	12` T-Arm	150.00	35.80	0.50	10.00	210.00							0.00	-358.03	600.00
Cingular-C	12` T-Arm	150.00	35.80	0.50	10.00	330.00							0.00	-358.03	600.00
Cingular-1	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	90.00							0.00	-118.15	80.60
Cingular-2	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	90.00							0.00	-118.15	80.60
Cingular-3	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	90.00							0.00	-118.15	80.60
Cingular-4	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	210.00							0.00	-118.15	80.60
Cingular-5	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	210.00							0.00	-118.15	80.60
Cingular-6	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	210.00							0.00	-118.15	80.60
Cingular-7	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	210.00							0.00	-118.15	80.60
Cingular-8	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	330.00							0.00	-118.15	80.60
Cingular-9	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	330.00							0.00	-118.15	80.60
Cingular-10	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	330.00							0.00	-118.15	80.60
Cingular-11	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	330.00							0.00	-118.15	80.60

Cingular-12	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	330.00	0.00	-118.15	80.60
Cingular-13	TMA	150.00	35.80	0.50	1.00	90.00	0.00	-35.80	15.00
Cingular-14	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
Cingular-15	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
146-A	3` Stand-Off	145.00	35.46	0.50	1.50	90.00	0.00	-53.19	75.00
146-1	Celwave PD1167 w/ ice	145.00	35.46	0.50	2.25	90.00	0.00	-79.78	18.20
ATT-A	12` T-Arm	145.00	35.46	0.50	10.00	90.00	0.00	-354.58	600.00
ATT-B	12` T-Arm	145.00	35.46	0.50	10.00	210.00	0.00	-354.58	600.00
ATT-C	12` T-Arm	145.00	35.46	0.50	10.00	330.00	0.00	-354.58	600.00
ATT-1	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	90.00	0.00	-106.37	27.00
ATT-2	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	90.00	0.00	-106.37	27.00
ATT-3	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	90.00	0.00	-106.37	27.00
ATT-4	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	210.00	0.00	-106.37	27.00
ATT-5	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	210.00	0.00	-106.37	27.00
ATT-6	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	210.00	0.00	-106.37	27.00
ATT-7	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	330.00	0.00	-106.37	27.00
ATT-8	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	330.00	0.00	-106.37	27.00
ATT-9	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	330.00	0.00	-106.37	27.00
ATT-10	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	330.00	0.00	-106.37	27.00
ATT-11	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	330.00	0.00	-346.18	600.00
ATT-12	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	330.00	0.00	-346.18	600.00
Verizon-A	12` T-Arm	133.34	34.62	0.50	10.00	90.00	0.00	-346.18	600.00
Verizon-B	12` T-Arm	133.34	34.62	0.50	10.00	210.00	0.00	-295.64	70.00
Verizon-C	12` T-Arm	133.34	34.62	0.50	10.00	330.00	0.00	-123.93	40.00
Verizon-1	Powerwave P65-15-XL-2	133.34	34.62	0.50	8.54	90.00	0.00	-123.93	40.00
Verizon-2	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	90.00	0.00	-123.24	30.00
Verizon-3	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	90.00	0.00	-294.60	60.00
Verizon-4	Rysma MG D3-800T0	133.34	34.62	0.50	3.56	90.00	0.00	-123.93	40.00
Verizon-5	Andrew LNX-6514DS-T4M	133.34	34.62	0.50	8.51	210.00	0.00	-123.93	40.00
Verizon-6	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	210.00	0.00	-123.24	30.00
Verizon-7	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	210.00	0.00	-295.64	70.00
Verizon-8	Rysma MG D3-800T0	133.34	34.62	0.50	3.56	210.00	0.00	-123.93	40.00
Verizon-9	Powerwave P65-15-XL-2	133.34	34.62	0.50	8.54	330.00	0.00	-123.93	40.00
Verizon-10	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	330.00	0.00	-123.24	30.00
Verizon-11	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	330.00	0.00	-51.17	75.00
Verizon-12	Rysma MG D3-800T0	133.34	34.62	0.50	3.56	330.00	0.00	-27.63	3.90
126.5-A	3` Stand-Off	126.66	34.11	0.50	1.50	90.00	0.00	-94.06	21.50
126.5-1	Decibel DB225-K w/ ice	126.66	34.11	0.50	0.81	90.00	0.00	-330.48	600.00
120-1	RFS PD1142 w/ ice	120.00	33.59	0.50	2.80	210.00	0.00	-330.48	600.00
Sprint-A	12` T-Arm	113.34	33.05	0.50	10.00	90.00	0.00	-330.48	600.00
Sprint-B	12` T-Arm	113.34	33.05	0.50	10.00	210.00	0.00	-142.11	30.00
Sprint-C	12` T-Arm	113.34	33.05	0.50	10.00	330.00	0.00	-142.11	30.00
Sprint-1	Decibel DB980	113.34	33.05	0.50	4.30	90.00	0.00	-142.11	30.00
Sprint-2	Decibel DB980	113.34	33.05	0.50	4.30	90.00	0.00	-142.11	30.00
Sprint-3	Decibel DB980	113.34	33.05	0.50	4.30	210.00	0.00	-142.11	30.00
Sprint-4	Decibel DB980	113.34	33.05	0.50	4.30	210.00	0.00	-142.11	30.00
Sprint-5	Decibel DB980	113.34	33.05	0.50	4.30	330.00	0.00	-142.11	30.00
Sprint-6	Decibel DB980	113.34	33.05	0.50	4.30	330.00	0.00	-142.11	30.00
114-A	3` Stand-Off	113.34	33.05	0.50	1.50	90.00	0.00	-49.57	75.00
114-1	RFS PD1142 w/ ice	113.34	33.05	0.50	2.80	90.00	0.00	-92.53	21.50
95	Dipole	93.34	31.26	0.50	6.00	90.00	0.00	-187.59	71.00
60-1	GPS	60.00	27.56	0.50	1.00	90.00	0.00	-27.56	20.00
60-2	GPS	60.00	27.56	0.50	1.00	210.00	0.00	-27.56	20.00
60-3	Yagi	60.00	27.56	0.50	1.00	330.00	0.00	-27.56	30.00

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	20.58	114.04	104.31	163.7	0.82	0.85	1.00	0.91	1.83	121.8	8289	0.00	2.00	0.00	1.20	0.00	0	8289	7949
B	160.00	140.00	150.00	35.80	0.50	22.52	121.21	104.08	191.0	0.75	0.85	1.00	0.86	1.79	123.2	7890	0.00	2.00	0.00	1.20	0.00	0	7890	8433
C	140.00	120.00	130.00	34.37	0.50	25.73	121.93	97.95	218.3	0.68	0.85	1.00	0.80	1.78	119.8	7316	0.00	2.00	0.00	1.20	0.00	0	7316	9133
D	120.00	100.00	110.00	32.77	0.50	28.24	130.49	102.19	245.5	0.65	0.85	1.00	0.78	1.78	126.2	7371	0.00	2.00	0.00	1.20	0.00	0	7371	9931
E	100.00	80.00	90.00	30.94	0.50	37.01	135.28	104.64	272.8	0.63	0.85	1.00	0.77	1.79	136.1	7528	0.00	2.00	0.00	1.20	0.00	0	7528	13048
F	80.00	60.00	70.00	28.80	0.50	37.32	136.42	101.08	300.0	0.58	0.85	1.00	0.74	1.82	132.8	6955	0.00	2.00	0.00	1.20	0.00	0	6955	13585
G	60.00	40.00	50.00	26.16	0.50	39.79	143.64	104.89	327.3	0.56	0.85	1.00	0.73	1.83	138.7	6654	0.00	2.00	0.00	1.20	0.00	0	6654	15314
H	40.00	20.00	30.00	23.23	0.50	45.39	144.89	103.87	354.6	0.54	0.85	1.00	0.72	1.86	142.5	6145	0.00	2.00	0.00	1.20	0.00	0	6145	16080
I	20.00	0.00	10.00	23.23	0.50	53.73	144.01	101.77	381.9	0.52	0.85	1.00	0.71	1.88	147.4	6432	0.00	2.00	0.00	1.20	0.00	0	6432	17419

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

Equipment	Equipment Elevation	qzGh	Ice	Total	Wind	222-G	222-G	222-G	Antenna	Antenna	Antenna	Long.	Trans.	Vert.

Label	Property Set	Above Ground (ft)	(psf)	Thick. (in)	Wind Area (ft^2)	Incidence Angle (deg)	CA	CS	CM	Axial Load FAM (lbs)	Side Load FSM (lbs)	Moment MM (ft-lbs)	Load (lbs)	Load (lbs)	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-C	3` Stand-Off	180.00	37.72	0.50	1.50	300.00							28.29	-49.00	75.00
Top-1	Dipole	180.00	37.72	0.50	6.00	60.00							113.15	-195.98	71.00
Top-2	Decibel DB224 w/ ice	180.00	37.72	0.50	5.67	180.00							106.93	-185.21	41.60
Top-3	RFS PD1110 w/ ice	180.00	37.72	0.50	3.05	180.00							57.52	-99.63	32.80
Top-4	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	300.00							13.39	-23.19	11.60
Top-5	Scala OGT6-806 w/ ice	180.00	37.72	0.50	1.98	60.00							37.34	-64.67	22.70
Top-6	Scala OGT6-806 w/ ice	180.00	37.72	0.50	1.98	300.00							37.34	-64.67	22.70
Top-7	6` Dish with Radome	180.00	37.72	0.50	29.00	60.00							546.90	-947.26	220.00
Top-8	6` Dish with Radome	180.00	37.72	0.50	29.00	180.00							546.90	-947.26	220.00
Top-9	6` Dish with Radome	180.00	37.72	0.50	29.00	300.00							546.90	-947.26	220.00
178	TMA	175.00	37.41	0.50	1.00	60.00							18.71	-32.40	15.00
176	6` Dish with Radome	175.00	37.41	0.50	29.00	180.00							542.51	-939.66	220.00
173-A	3` Stand-Off	170.00	37.11	0.50	1.50	60.00							27.83	-48.20	75.00
173-B	3` Stand-Off	170.00	37.11	0.50	1.50	180.00							27.83	-48.20	75.00
173-C	3` Stand-Off	170.00	37.11	0.50	1.50	300.00							27.83	-48.20	75.00
173-1	Scala OGT6-806 w/ ice	170.00	37.11	0.50	1.98	60.00							36.74	-63.63	22.70
173-2	Decibel DB806M-XT	170.00	37.11	0.50	2.50	60.00							46.38	-80.34	20.00
173-3	Scala OGT6-806 w/ ice	170.00	37.11	0.50	1.98	180.00							36.74	-63.63	22.70
173-4	Decibel DB806M-XT	170.00	37.11	0.50	2.50	300.00							46.38	-80.34	20.00
170	4` Dish with Radome	165.00	36.79	0.50	13.10	60.00							240.98	-417.39	120.00
163.5	GLF-940	165.00	36.79	0.50	20.00	180.00							367.91	-637.24	120.00
Cingular-A	12` T-Arm	150.00	35.80	0.50	10.00	60.00							179.01	-310.06	600.00
Cingular-B	12` T-Arm	150.00	35.80	0.50	10.00	180.00							179.01	-310.06	600.00
Cingular-C	12` T-Arm	150.00	35.80	0.50	10.00	300.00							179.01	-310.06	600.00
Cingular-1	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	60.00							59.07	-102.32	80.60
Cingular-2	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	60.00							59.07	-102.32	80.60
Cingular-3	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	60.00							59.07	-102.32	80.60
Cingular-4	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	180.00							59.07	-102.32	80.60
Cingular-5	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	180.00							59.07	-102.32	80.60
Cingular-6	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	180.00							59.07	-102.32	80.60
Cingular-7	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	180.00							59.07	-102.32	80.60
Cingular-8	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	300.00							59.07	-102.32	80.60
Cingular-9	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	300.00							59.07	-102.32	80.60
Cingular-10	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	300.00							59.07	-102.32	80.60
Cingular-11	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	300.00							59.07	-102.32	80.60
Cingular-12	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	1.00	60.00							59.07	-102.32	80.60
Cingular-13	TMA	150.00	35.80	0.50	1.00	180.00							17.90	-31.01	15.00
Cingular-14	TMA	150.00	35.80	0.50	1.00	300.00							17.90	-31.01	15.00
Cingular-15	TMA	150.00	35.80	0.50	1.50	60.00							17.90	-31.01	15.00
146-A	3` Stand-Off	145.00	35.46	0.50	2.25	60.00							26.59	-46.06	75.00
146-1	Celwave PD1167 w/ ice	145.00	35.46	0.50	10.00	60.00							39.89	-69.09	18.20
ATT-A	12` T-Arm	145.00	35.46	0.50	10.00	180.00							177.29	-307.07	600.00
ATT-B	12` T-Arm	145.00	35.46	0.50	10.00	300.00							177.29	-307.07	600.00
ATT-C	12` T-Arm	145.00	35.46	0.50	3.00	60.00							177.29	-307.07	600.00
ATT-1	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	60.00							53.19	-92.12	27.00
ATT-2	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	60.00							53.19	-92.12	27.00
ATT-3	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	60.00							53.19	-92.12	27.00
ATT-4	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	180.00							53.19	-92.12	27.00
ATT-5	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	180.00							53.19	-92.12	27.00
ATT-6	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	180.00							53.19	-92.12	27.00
ATT-7	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	180.00							53.19	-92.12	27.00
ATT-8	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	300.00							53.19	-92.12	27.00
ATT-9	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	300.00							53.19	-92.12	27.00
ATT-10	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	300.00							53.19	-92.12	27.00
ATT-11	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	300.00							53.19	-92.12	27.00
ATT-12	Allgon 7184 w/ ice	145.00	35.46	0.50	10.00	60.00							173.09	-299.80	600.00
Verizon-A	12` T-Arm	133.34	34.62	0.50	10.00	180.00							173.09	-299.80	600.00
Verizon-B	12` T-Arm	133.34	34.62	0.50	10.00	300.00							173.09	-299.80	600.00
Verizon-C	12` T-Arm	133.34	34.62	0.50	8.54	60.00							147.82	-256.03	70.00
Verizon-1	Powerwave P65-15-XL-2	133.34	34.62	0.50	3.58	60.00							61.97	-107.33	40.00
Verizon-2	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00							61.97	-107.33	40.00
Verizon-3	Andrew DB844H80-XY	133.34	34.62	0.50	3.56	60.00							61.62	-106.73	30.00
Verizon-4	Rysma MG D3-800TO	133.34	34.62	0.50	8.51	180.00							147.30	-255.13	60.00
Verizon-5	Andrew LNX-6514DS-T4M	133.34	34.62	0.50	3.58	180.00							61.97	-107.33	40.00
Verizon-6	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00							61.97	-107.33	40.00
Verizon-7	Andrew DB844H80-XY	133.34	34.62	0.50	3.56	180.00							61.62	-106.73	30.00
Verizon-8	Rysma MG D3-800TO	133.34	34.62	0.50	8.54	300.00							147.82	-256.03	70.00
Verizon-9	Powerwave P65-15-XL-2	133.34	34.62	0.50											

Verizon-10	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00	61.97	-107.33	40.00
Verizon-11	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00	61.97	-107.33	40.00
Verizon-12	Rysma MG D3-800T0	133.34	34.62	0.50	3.56	300.00	61.62	-106.73	30.00
126.5-A	3' Stand-Off	126.66	34.11	0.50	1.50	60.00	25.59	-44.32	75.00
126.5-1	Decibel DB225-K w/ ice	126.66	34.11	0.50	0.81	60.00	13.82	-23.93	3.90
120-1	RFS PD1142 w/ ice	120.00	33.59	0.50	2.80	180.00	47.03	-81.45	21.50
Sprint-A	12' T-Arm	113.34	33.05	0.50	10.00	60.00	165.24	-286.20	600.00
Sprint-B	12' T-Arm	113.34	33.05	0.50	10.00	180.00	165.24	-286.20	600.00
Sprint-C	12' T-Arm	113.34	33.05	0.50	10.00	300.00	165.24	-286.20	600.00
Sprint-1	Decibel DB980	113.34	33.05	0.50	4.30	60.00	71.05	-123.07	30.00
Sprint-2	Decibel DB980	113.34	33.05	0.50	4.30	60.00	71.05	-123.07	30.00
Sprint-3	Decibel DB980	113.34	33.05	0.50	4.30	180.00	71.05	-123.07	30.00
Sprint-4	Decibel DB980	113.34	33.05	0.50	4.30	180.00	71.05	-123.07	30.00
Sprint-5	Decibel DB980	113.34	33.05	0.50	4.30	300.00	71.05	-123.07	30.00
Sprint-6	Decibel DB980	113.34	33.05	0.50	4.30	300.00	71.05	-123.07	30.00
114-A	3' Stand-Off	113.34	33.05	0.50	1.50	60.00	24.79	-42.93	75.00
114-1	RFS PD1142 w/ ice	113.34	33.05	0.50	2.80	60.00	46.27	-80.14	21.50
95	Dipole	93.34	31.26	0.50	6.00	60.00	93.79	-162.46	71.00
60-1	GPS	60.00	27.56	0.50	1.00	60.00	13.78	-23.86	20.00
60-2	GPS	60.00	27.56	0.50	1.00	180.00	13.78	-23.86	20.00
60-3	Yagi	60.00	27.56	0.50	1.00	300.00	13.78	-23.86	30.00

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	20.58	114.04	104.31	163.7	0.82	0.80	1.00	0.91	1.83	120.8	8219	0.00	2.00	0.00	1.20	0.00	0	8219	7949
B	160.00	140.00	150.00	35.80	0.50	22.52	121.21	104.08	191.0	0.75	0.80	1.00	0.86	1.79	122.1	7818	0.00	2.00	0.00	1.20	0.00	0	7818	8433
C	140.00	120.00	130.00	34.37	0.50	25.73	121.93	97.95	218.3	0.68	0.80	1.00	0.80	1.78	118.5	7237	0.00	2.00	0.00	1.20	0.00	0	7237	9133
D	120.00	100.00	110.00	32.77	0.50	28.24	130.49	102.19	245.5	0.65	0.80	1.00	0.78	1.78	124.8	7288	0.00	2.00	0.00	1.20	0.00	0	7288	9931
E	100.00	80.00	90.00	30.94	0.50	37.01	135.28	104.64	272.8	0.63	0.80	1.00	0.77	1.79	134.2	7426	0.00	2.00	0.00	1.20	0.00	0	7426	13048
F	80.00	60.00	70.00	28.80	0.50	37.32	136.42	101.08	300.0	0.58	0.80	1.00	0.74	1.82	130.9	6857	0.00	2.00	0.00	1.20	0.00	0	6857	13585
G	60.00	40.00	50.00	26.16	0.50	39.79	143.64	104.89	327.3	0.56	0.80	1.00	0.73	1.83	136.7	6558	0.00	2.00	0.00	1.20	0.00	0	6558	15314
H	40.00	20.00	30.00	23.23	0.50	45.39	144.89	103.87	354.6	0.54	0.80	1.00	0.72	1.86	140.2	6047	0.00	2.00	0.00	1.20	0.00	0	6047	16080
I	20.00	0.00	10.00	23.23	0.50	53.73	144.01	101.77	381.9	0.52	0.80	1.00	0.71	1.88	144.8	6315	0.00	2.00	0.00	1.20	0.00	0	6315	17419

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

Equipment Label	Equipment Property Set	Equipment 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-C	3' Stand-Off	180.00	37.72	0.50	1.50	240.00							56.58	0.00	75.00
Top-1	Dipole	180.00	37.72	0.50	6.00	0.00							226.30	0.00	71.00
Top-2	Decibel DB224 w/ ice	180.00	37.72	0.50	5.67	120.00							213.86	0.00	41.60
Top-3	RFS PD1110 w/ ice	180.00	37.72	0.50	3.05	120.00							115.04	0.00	32.80
Top-4	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	240.00							26.78	0.00	11.60
Top-5	Scala OGT6-806 w/ ice	180.00	37.72	0.50	1.98	0.00							74.68	0.00	22.70
Top-6	Scala OGT6-806 w/ ice	180.00	37.72	0.50	1.98	240.00							74.68	0.00	22.70
Top-7	6' Dish with Radome	180.00	37.72	0.50	29.00	0.00							1093.80	0.00	220.00
Top-8	6' Dish with Radome	180.00	37.72	0.50	29.00	120.00							1093.80	0.00	220.00
Top-9	6' Dish with Radome	180.00	37.72	0.50	29.00	240.00							1093.80	0.00	220.00
178	TMA	175.00	37.41	0.50	1.00	0.00							37.41	0.00	15.00
176	6' Dish with Radome	175.00	37.41	0.50	29.00	120.00							1085.03	0.00	220.00
173-A	3' Stand-Off	170.00	37.11	0.50	1.50	0.00							55.66	0.00	75.00
173-B	3' Stand-Off	170.00	37.11	0.50	1.50	120.00							55.66	0.00	75.00
173-C	3' Stand-Off	170.00	37.11	0.50	1.50	240.00							55.66	0.00	75.00
173-1	Scala OGT6-806 w/ ice	170.00	37.11	0.50	1.98	0.00							73.47	0.00	22.70
173-2	Decibel DB806M-XT	170.00	37.11	0.50	2.50	0.00							92.77	0.00	20.00
173-3	Scala OGT6-806 w/ ice	170.00	37.11	0.50	1.98	120.00							73.47	0.00	22.70
173-4	Decibel DB806M-XT	170.00	37.11	0.50	2.50	240.00							92.77	0.00	20.00
170	4' Dish with Radome	165.00	36.79	0.50	13.10	0.00							481.96	0.00	120.00
163.5	GLF-940	165.00	36.79	0.50	20.00	120.00							735.82	0.00	120.00
Cingular-A	12' T-Arm	150.00	35.80	0.50	10.00	0.00							358.03	0.00	600.00
Cingular-B	12' T-Arm	150.00	35.80	0.50	10.00	120.00							358.03	0.00	600.00
Cingular-C	12' T-Arm	150.00	35.80	0.50	10.00	240.00							358.03	0.00	600.00
Cingular-1	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	0.00							118.15	0.00	80.60
Cingular-2	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	0.00							118.15	0.00	80.60
Cingular-3	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	0.00							118.15	0.00	80.60

Cingular-4	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	0.00	118.15	0.00	80.60
Cingular-5	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	120.00	118.15	0.00	80.60
Cingular-6	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	120.00	118.15	0.00	80.60
Cingular-7	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	120.00	118.15	0.00	80.60
Cingular-8	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	120.00	118.15	0.00	80.60
Cingular-9	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	240.00	118.15	0.00	80.60
Cingular-10	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	240.00	118.15	0.00	80.60
Cingular-11	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	240.00	118.15	0.00	80.60
Cingular-12	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	240.00	118.15	0.00	80.60
Cingular-13	TMA	150.00	35.80	0.50	1.00	0.00	35.80	0.00	15.00
Cingular-14	TMA	150.00	35.80	0.50	1.00	120.00	35.80	0.00	15.00
Cingular-15	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00
146-A	3` Stand-Off	145.00	35.46	0.50	1.50	0.00	53.19	0.00	75.00
146-1	Celwave PD1167 w/ ice	145.00	35.46	0.50	2.25	0.00	79.78	0.00	18.20
ATT-A	12` T-Arm	145.00	35.46	0.50	10.00	0.00	354.58	0.00	600.00
ATT-B	12` T-Arm	145.00	35.46	0.50	10.00	120.00	354.58	0.00	600.00
ATT-C	12` T-Arm	145.00	35.46	0.50	10.00	240.00	354.58	0.00	600.00
ATT-1	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	0.00	106.37	0.00	27.00
ATT-2	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	0.00	106.37	0.00	27.00
ATT-3	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	0.00	106.37	0.00	27.00
ATT-4	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	0.00	106.37	0.00	27.00
ATT-5	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	120.00	106.37	0.00	27.00
ATT-6	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	120.00	106.37	0.00	27.00
ATT-7	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	120.00	106.37	0.00	27.00
ATT-8	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	120.00	106.37	0.00	27.00
ATT-9	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	240.00	106.37	0.00	27.00
ATT-10	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	240.00	106.37	0.00	27.00
ATT-11	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	240.00	106.37	0.00	27.00
ATT-12	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	240.00	106.37	0.00	27.00
Verizon-A	12` T-Arm	133.34	34.62	0.50	10.00	0.00	346.18	0.00	600.00
Verizon-B	12` T-Arm	133.34	34.62	0.50	10.00	120.00	346.18	0.00	600.00
Verizon-C	12` T-Arm	133.34	34.62	0.50	10.00	240.00	346.18	0.00	600.00
Verizon-1	Powerwave P65-15-XL-2	133.34	34.62	0.50	8.54	0.00	295.64	0.00	70.00
Verizon-2	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	0.00	123.93	0.00	40.00
Verizon-3	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	0.00	123.93	0.00	40.00
Verizon-4	Rysma MG D3-800T0	133.34	34.62	0.50	3.56	0.00	123.24	0.00	30.00
Verizon-5	Andrew LNX-6514DS-T4M	133.34	34.62	0.50	8.51	120.00	294.60	0.00	60.00
Verizon-6	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	120.00	123.93	0.00	40.00
Verizon-7	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	120.00	123.93	0.00	40.00
Verizon-8	Rysma MG D3-800T0	133.34	34.62	0.50	3.56	120.00	123.24	0.00	30.00
Verizon-9	Powerwave P65-15-XL-2	133.34	34.62	0.50	8.54	240.00	295.64	0.00	70.00
Verizon-10	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	240.00	123.93	0.00	40.00
Verizon-11	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	240.00	123.93	0.00	40.00
Verizon-12	Rysma MG D3-800T0	133.34	34.62	0.50	3.56	240.00	123.24	0.00	30.00
126.5-A	3` Stand-Off	126.66	34.11	0.50	1.50	0.00	51.17	0.00	75.00
126.5-1	Decibel DB225-K w/ ice	126.66	34.11	0.50	0.81	0.00	27.63	0.00	3.90
120-1	RFS PD1142 w/ ice	120.00	33.59	0.50	2.80	120.00	94.06	0.00	21.50
Sprint-A	12` T-Arm	113.34	33.05	0.50	10.00	0.00	330.48	0.00	600.00
Sprint-B	12` T-Arm	113.34	33.05	0.50	10.00	120.00	330.48	0.00	600.00
Sprint-C	12` T-Arm	113.34	33.05	0.50	10.00	240.00	330.48	0.00	600.00
Sprint-1	Decibel DB980	113.34	33.05	0.50	4.30	0.00	142.11	0.00	30.00
Sprint-2	Decibel DB980	113.34	33.05	0.50	4.30	0.00	142.11	0.00	30.00
Sprint-3	Decibel DB980	113.34	33.05	0.50	4.30	120.00	142.11	0.00	30.00
Sprint-4	Decibel DB980	113.34	33.05	0.50	4.30	120.00	142.11	0.00	30.00
Sprint-5	Decibel DB980	113.34	33.05	0.50	4.30	240.00	142.11	0.00	30.00
Sprint-6	Decibel DB980	113.34	33.05	0.50	4.30	240.00	142.11	0.00	30.00
114-A	3` Stand-Off	113.34	33.05	0.50	1.50	0.00	49.57	0.00	75.00
114-1	RFS PD1142 w/ ice	113.34	33.05	0.50	2.80	0.00	92.53	0.00	21.50
95	Dipole	93.34	31.26	0.50	6.00	0.00	187.59	0.00	71.00
60-1	GPS	60.00	27.56	0.50	1.00	0.00	27.56	0.00	20.00
60-2	GPS	60.00	27.56	0.50	1.00	120.00	27.56	0.00	20.00
60-3	Yagi	60.00	27.56	0.50	1.00	240.00	27.56	0.00	30.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Above Gnd. (ft)	Elev.	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	20.58	114.04	104.31	163.7	0.82	1.00	1.00	0.91	1.83	124.9	8499	0.00	2.00	0.00	1.20	0.00	0	8499	7949
B	160.00	140.00	150.00	35.80		0.50	22.52	121.21	104.08	191.0	0.75	1.00	1.00	0.86	1.79	126.6	8106	0.00	2.00	0.00	1.20	0.00	0	8106	8433
C	140.00	120.00	130.00	34.37		0.50	25.73	121.93	97.95	218.3	0.68	1.00	1.00	0.80	1.78	123.7	7551	0.00	2.00	0.00	1.20	0.00	0	7551	9133
D	120.00	100.00	110.00	32.77		0.50	28.24	130.49	102.19	245.5	0.65	1.00	1.00	0.78	1.78	130.4	7618	0.00	2.00	0.00	1.20	0.00	0	7618	9931
E	100.00	80.00	90.00	30.94		0.50	37.01	135.28	104.64	272.8	0.63	1.00	1.00	0.77	1.79	141.6	7835	0.00	2.00	0.00	1.20	0.00	0	7835	13048

F	80.00	60.00	70.00	28.80	0.50	37.32	136.42	101.08	300.0	0.58	1.00	1.00	0.74	1.82	138.4	7248	0.00	2.00	0.00	1.20	0.00	0	7248	13585
G	60.00	40.00	50.00	26.16	0.50	39.79	143.64	104.89	327.3	0.56	1.00	1.00	0.73	1.83	144.7	6940	0.00	2.00	0.00	1.20	0.00	0	6940	15314
H	40.00	20.00	30.00	23.23	0.50	45.39	144.89	103.87	354.6	0.54	1.00	1.00	0.72	1.86	149.3	6438	0.00	2.00	0.00	1.20	0.00	0	6438	16080
I	20.00	0.00	10.00	23.23	0.50	53.73	144.01	101.77	381.9	0.52	1.00	1.00	0.71	1.88	155.5	6784	0.00	2.00	0.00	1.20	0.00	0	6784	17419

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-C	3` Stand-Off	180.00	37.72	0.50	1.50	180.00							28.29	49.00	75.00
Top-1	Dipole	180.00	37.72	0.50	6.00	300.00							113.15	195.98	71.00
Top-2	Decibel DB224 w/ ice	180.00	37.72	0.50	5.67	60.00							106.93	185.21	41.60
Top-3	RFS PD1110 w/ ice	180.00	37.72	0.50	3.05	60.00							57.52	99.63	32.80
Top-4	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	180.00							13.39	23.19	11.60
Top-5	Scala OGT6-806 w/ ice	180.00	37.72	0.50	1.98	300.00							37.34	64.67	22.70
Top-6	Scala OGT6-806 w/ ice	180.00	37.72	0.50	1.98	180.00							37.34	64.67	22.70
Top-7	6` Dish with Radome	180.00	37.72	0.50	29.00	300.00							546.90	947.26	220.00
Top-8	6` Dish with Radome	180.00	37.72	0.50	29.00	60.00							546.90	947.26	220.00
Top-9	6` Dish with Radome	180.00	37.72	0.50	29.00	180.00							546.90	947.26	220.00
178	TMA	175.00	37.41	0.50	1.00	300.00							18.71	32.40	15.00
176	6` Dish with Radome	175.00	37.41	0.50	29.00	60.00							542.51	939.66	220.00
173-A	3` Stand-Off	170.00	37.11	0.50	1.50	300.00							27.83	48.20	75.00
173-B	3` Stand-Off	170.00	37.11	0.50	1.50	60.00							27.83	48.20	75.00
173-C	3` Stand-Off	170.00	37.11	0.50	1.50	180.00							27.83	48.20	75.00
173-1	Scala OGT6-806 w/ ice	170.00	37.11	0.50	1.98	300.00							36.74	63.63	22.70
173-2	Decibel DB806M-XT	170.00	37.11	0.50	2.50	300.00							46.38	80.34	20.00
173-3	Scala OGT6-806 w/ ice	170.00	37.11	0.50	1.98	60.00							36.74	63.63	22.70
173-4	Decibel DB806M-XT	170.00	37.11	0.50	2.50	180.00							46.38	80.34	20.00
170	4` Dish with Radome	165.00	36.79	0.50	13.10	300.00							240.98	417.39	120.00
163.5	GLF-940	165.00	36.79	0.50	20.00	60.00							367.91	637.24	120.00
Cingular-A	12` T-Arm	150.00	35.80	0.50	10.00	300.00							179.01	310.06	600.00
Cingular-B	12` T-Arm	150.00	35.80	0.50	10.00	60.00							179.01	310.06	600.00
Cingular-C	12` T-Arm	150.00	35.80	0.50	10.00	180.00							179.01	310.06	600.00
Cingular-1	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	300.00							59.07	102.32	80.60
Cingular-2	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	300.00							59.07	102.32	80.60
Cingular-3	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	300.00							59.07	102.32	80.60
Cingular-4	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	60.00							59.07	102.32	80.60
Cingular-5	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	60.00							59.07	102.32	80.60
Cingular-6	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	60.00							59.07	102.32	80.60
Cingular-7	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	60.00							59.07	102.32	80.60
Cingular-8	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	180.00							59.07	102.32	80.60
Cingular-9	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	180.00							59.07	102.32	80.60
Cingular-10	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	180.00							59.07	102.32	80.60
Cingular-11	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	180.00							59.07	102.32	80.60
Cingular-12	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	1.00	300.00							17.90	31.01	15.00
Cingular-13	TMA	150.00	35.80	0.50	1.00	60.00							17.90	31.01	15.00
Cingular-14	TMA	150.00	35.80	0.50	1.00	180.00							17.90	31.01	15.00
Cingular-15	TMA	150.00	35.80	0.50	1.50	300.00							26.59	46.06	75.00
146-A	3` Stand-Off	145.00	35.46	0.50	2.25	300.00							39.89	69.09	18.20
146-1	Celwave PD1167 w/ ice	145.00	35.46	0.50	10.00	300.00							177.29	307.07	600.00
ATT-A	12` T-Arm	145.00	35.46	0.50	10.00	60.00							177.29	307.07	600.00
ATT-B	12` T-Arm	145.00	35.46	0.50	10.00	180.00							177.29	307.07	600.00
ATT-C	12` T-Arm	145.00	35.46	0.50	3.00	300.00							53.19	92.12	27.00
ATT-1	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	300.00							53.19	92.12	27.00
ATT-2	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	300.00							53.19	92.12	27.00
ATT-3	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	60.00							53.19	92.12	27.00
ATT-4	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	60.00							53.19	92.12	27.00
ATT-5	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	60.00							53.19	92.12	27.00
ATT-6	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	60.00							53.19	92.12	27.00
ATT-7	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	180.00							53.19	92.12	27.00
ATT-8	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	180.00							53.19	92.12	27.00
ATT-9	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	180.00							53.19	92.12	27.00
ATT-10	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	180.00							53.19	92.12	27.00
ATT-11	Allgon 7184 w/ ice	145.00	35.46	0.50	10.00	300.00							173.09	299.80	600.00
ATT-12	Allgon 7184 w/ ice	145.00	35.46	0.50	10.00	60.00							173.09	299.80	600.00
Verizon-A	12` T-Arm	133.34	34.62	0.50	10.00	180.00							173.09	299.80	600.00
Verizon-B	12` T-Arm	133.34	34.62	0.50	8.54	300.00							147.82	256.03	70.00
Verizon-C	12` T-Arm	133.34	34.62	0.50											
Verizon-1	Powerwave P65-15-XL-2	133.34	34.62	0.50											

Verizon-2	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00														61.97	107.33	40.00
Verizon-3	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00														61.97	107.33	40.00
Verizon-4	Rysma MG D3-800T0	133.34	34.62	0.50	3.56	300.00														61.62	106.73	30.00
Verizon-5	Andrew LNX-6514DS-T4M	133.34	34.62	0.50	8.51	60.00														147.30	255.13	60.00
Verizon-6	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00														61.97	107.33	40.00
Verizon-7	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00														61.97	107.33	40.00
Verizon-8	Rysma MG D3-800T0	133.34	34.62	0.50	3.56	60.00														61.62	106.73	30.00
Verizon-9	Powerwave P65-15-XL-2	133.34	34.62	0.50	8.54	180.00														147.82	256.03	70.00
Verizon-10	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00														61.97	107.33	40.00
Verizon-11	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00														61.97	107.33	40.00
Verizon-12	Rysma MG D3-800T0	133.34	34.62	0.50	3.56	180.00														61.62	106.73	30.00
126.5-A	3' Stand-Off	126.66	34.11	0.50	1.50	300.00														25.59	44.32	75.00
126.5-1	Decibel DB225-K w/ ice	126.66	34.11	0.50	0.81	300.00														13.82	23.93	3.90
120-1	RFS PD1142 w/ ice	120.00	33.59	0.50	2.80	60.00														47.03	81.45	21.50
Sprint-A	12' T-Arm	113.34	33.05	0.50	10.00	300.00														165.24	286.20	600.00
Sprint-B	12' T-Arm	113.34	33.05	0.50	10.00	60.00														165.24	286.20	600.00
Sprint-C	12' T-Arm	113.34	33.05	0.50	10.00	180.00														165.24	286.20	600.00
Sprint-1	Decibel DB980	113.34	33.05	0.50	4.30	300.00														71.05	123.07	30.00
Sprint-2	Decibel DB980	113.34	33.05	0.50	4.30	300.00														71.05	123.07	30.00
Sprint-3	Decibel DB980	113.34	33.05	0.50	4.30	60.00														71.05	123.07	30.00
Sprint-4	Decibel DB980	113.34	33.05	0.50	4.30	60.00														71.05	123.07	30.00
Sprint-5	Decibel DB980	113.34	33.05	0.50	4.30	180.00														71.05	123.07	30.00
Sprint-6	Decibel DB980	113.34	33.05	0.50	4.30	180.00														71.05	123.07	30.00
114-A	3' Stand-Off	113.34	33.05	0.50	1.50	300.00														24.79	42.93	75.00
114-1	RFS PD1142 w/ ice	113.34	33.05	0.50	2.80	300.00														46.27	80.14	21.50
95	Dipole	93.34	31.26	0.50	6.00	300.00														93.79	162.46	71.00
60-1	GPS	60.00	27.56	0.50	1.00	300.00														13.78	23.86	20.00
60-2	GPS	60.00	27.56	0.50	1.00	60.00														13.78	23.86	20.00
60-3	Yagi	60.00	27.56	0.50	1.00	180.00														13.78	23.86	30.00

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	20.58	114.04	104.31	163.7	0.82	0.80	1.00	0.91	1.83	120.8	8219	0.00	2.00	0.00	1.20	0.00	0	8219	7949
B	160.00	140.00	150.00	35.80	0.50	22.52	121.21	104.08	191.0	0.75	0.80	1.00	0.86	1.79	122.1	7818	0.00	2.00	0.00	1.20	0.00	0	7818	8433
C	140.00	120.00	130.00	34.37	0.50	25.73	121.93	97.95	218.3	0.68	0.80	1.00	0.80	1.78	118.5	7237	0.00	2.00	0.00	1.20	0.00	0	7237	9133
D	120.00	100.00	110.00	32.77	0.50	28.24	130.49	102.19	245.5	0.65	0.80	1.00	0.78	1.78	124.8	7288	0.00	2.00	0.00	1.20	0.00	0	7288	9931
E	100.00	80.00	90.00	30.94	0.50	37.01	135.28	104.64	272.8	0.63	0.80	1.00	0.77	1.79	134.2	7426	0.00	2.00	0.00	1.20	0.00	0	7426	13048
F	80.00	60.00	70.00	28.80	0.50	37.32	136.42	101.08	300.0	0.58	0.80	1.00	0.74	1.82	130.9	6857	0.00	2.00	0.00	1.20	0.00	0	6857	13585
G	60.00	40.00	50.00	26.16	0.50	39.79	143.64	104.89	327.3	0.56	0.80	1.00	0.73	1.83	136.7	6558	0.00	2.00	0.00	1.20	0.00	0	6558	15314
H	40.00	20.00	30.00	23.23	0.50	45.39	144.89	103.87	354.6	0.54	0.80	1.00	0.72	1.86	140.2	6047	0.00	2.00	0.00	1.20	0.00	0	6047	16080
I	20.00	0.00	10.00	23.23	0.50	53.73	144.01	101.77	381.9	0.52	0.80	1.00	0.71	1.88	144.8	6315	0.00	2.00	0.00	1.20	0.00	0	6315	17419

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-C	3' Stand-Off	180.00	37.72	0.50	1.50	150.00							0.00	56.58	75.00
Top-1	Dipole	180.00	37.72	0.50	6.00	270.00							0.00	226.30	71.00
Top-2	Decibel DB224 w/ ice	180.00	37.72	0.50	5.67	30.00							0.00	213.86	41.60
Top-3	RFS PD1110 w/ ice	180.00	37.72	0.50	3.05	30.00							0.00	115.04	32.80
Top-4	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	150.00							0.00	26.78	11.60
Top-5	Scala OGT6-806 w/ ice	180.00	37.72	0.50	1.98	270.00							0.00	74.68	22.70
Top-6	Scala OGT6-806 w/ ice	180.00	37.72	0.50	1.98	150.00							0.00	74.68	22.70
Top-7	6' Dish with Radome	180.00	37.72	0.50	29.00	270.00							0.00	1093.80	220.00
Top-8	6' Dish with Radome	180.00	37.72	0.50	29.00	30.00							0.00	1093.80	220.00
Top-9	6' Dish with Radome	180.00	37.72	0.50	29.00	150.00							0.00	1093.80	220.00
178	TMA	175.00	37.41	0.50	1.00	270.00							0.00	37.41	15.00
176	6' Dish with Radome	175.00	37.41	0.50	29.00	30.00							0.00	1085.03	220.00
173-A	3' Stand-Off	170.00	37.11	0.50	1.50	270.00							0.00	55.66	75.00
173-B	3' Stand-Off	170.00	37.11	0.50	1.50	30.00							0.00	55.66	75.00
173-C	3' Stand-Off	170.00	37.11	0.50	1.50	150.00							0.00	55.66	75.00
173-1	Scala OGT6-806 w/ ice	170.00	37.11	0.50	1.98	270.00							0.00	73.47	22.70
173-2	Decibel DB806M-XT	170.00	37.11	0.50	2.50	270.00							0.00	92.77	20.00
173-3	Scala OGT6-806 w/ ice	170.00	37.11	0.50	1.98	30.00							0.00	73.47	22.70
173-4	Decibel DB806M-XT	170.00	37.11	0.50	2.50	150.00							0.00	92.77	20.00

170	4' Dish with Radome	165.00	36.79	0.50	13.10	270.00																	
163.5	GLF-940	165.00	36.79	0.50	20.00	30.00																	
Cingular-A	12' T-Arm	150.00	35.80	0.50	10.00	270.00																	
Cingular-B	12' T-Arm	150.00	35.80	0.50	10.00	30.00																	
Cingular-C	12' T-Arm	150.00	35.80	0.50	10.00	150.00																	
Cingular-1	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	270.00																	
Cingular-2	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	270.00																	
Cingular-3	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	270.00																	
Cingular-4	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	30.00																	
Cingular-5	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	30.00																	
Cingular-6	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	30.00																	
Cingular-7	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	30.00																	
Cingular-8	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	150.00																	
Cingular-9	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	150.00																	
Cingular-10	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	150.00																	
Cingular-11	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	3.30	150.00																	
Cingular-12	CSS DUO-4-6060 w/ ice	150.00	35.80	0.50	1.00	270.00																	
Cingular-13	TMA	150.00	35.80	0.50	1.00	30.00																	
Cingular-14	TMA	150.00	35.80	0.50	1.00	150.00																	
Cingular-15	TMA	145.00	35.46	0.50	1.50	270.00																	
146-A	3' Stand-Off	145.00	35.46	0.50	2.25	270.00																	
146-1	Celwave PD1167 w/ ice	145.00	35.46	0.50	10.00	270.00																	
ATT-A	12' T-Arm	145.00	35.46	0.50	10.00	30.00																	
ATT-B	12' T-Arm	145.00	35.46	0.50	10.00	150.00																	
ATT-C	12' T-Arm	145.00	35.46	0.50	3.00	270.00																	
ATT-1	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	270.00																	
ATT-2	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	270.00																	
ATT-3	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	270.00																	
ATT-4	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	30.00																	
ATT-5	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	30.00																	
ATT-6	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	30.00																	
ATT-7	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	30.00																	
ATT-8	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	150.00																	
ATT-9	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	150.00																	
ATT-10	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	150.00																	
ATT-11	Allgon 7184 w/ ice	145.00	35.46	0.50	3.00	150.00																	
ATT-12	Allgon 7184 w/ ice	133.34	34.62	0.50	10.00	270.00																	
Verizon-A	12' T-Arm	133.34	34.62	0.50	10.00	30.00																	
Verizon-B	12' T-Arm	133.34	34.62	0.50	10.00	150.00																	
Verizon-C	12' T-Arm	133.34	34.62	0.50	8.54	270.00																	
Verizon-1	Powerwave P65-15-XL-2	133.34	34.62	0.50	3.58	270.00																	
Verizon-2	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	270.00																	
Verizon-3	Andrew DB844H80-XY	133.34	34.62	0.50	3.56	270.00																	
Verizon-4	Rysma MG D3-800T0	133.34	34.62	0.50	8.51	30.00																	
Verizon-5	Andrew LNX-6514DS-T4M	133.34	34.62	0.50	3.58	30.00																	
Verizon-6	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	30.00																	
Verizon-7	Andrew DB844H80-XY	133.34	34.62	0.50	3.56	30.00																	
Verizon-8	Rysma MG D3-800T0	133.34	34.62	0.50	8.54	150.00																	
Verizon-9	Powerwave P65-15-XL-2	133.34	34.62	0.50	3.58	150.00																	
Verizon-10	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	150.00																	
Verizon-11	Andrew DB844H80-XY	133.34	34.62	0.50	3.56	150.00																	
Verizon-12	Rysma MG D3-800T0	126.66	34.11	0.50	1.50	270.00																	
126.5-A	3' Stand-Off	126.66	34.11	0.50	0.81	270.00																	
126.5-1	Decibel DB225-K w/ ice	120.00	33.59	0.50	2.80	30.00																	
120-1	RFS PD1142 w/ ice	113.34	33.05	0.50	10.00	270.00																	
Sprint-A	12' T-Arm	113.34	33.05	0.50	10.00	30.00																	
Sprint-B	12' T-Arm	113.34	33.05	0.50	10.00	150.00																	
Sprint-C	12' T-Arm	113.34	33.05	0.50	4.30	270.00																	
Sprint-1	Decibel DB980	113.34	33.05	0.50	4.30	270.00																	
Sprint-2	Decibel DB980	113.34	33.05	0.50	4.30	30.00																	
Sprint-3	Decibel DB980	113.34	33.05	0.50	4.30	30.00																	
Sprint-4	Decibel DB980	113.34	33.05	0.50	4.30	150.00																	
Sprint-5	Decibel DB980	113.34	33.05	0.50	4.30	150.00																	
Sprint-6	Decibel DB980	113.34	33.05	0.50	1.50	270.00																	
114-A	3' Stand-Off	113.34	33.05	0.50	2.80	270.00																	
114-1	RFS PD1142 w/ ice	93.34	31.26	0.50	6.00	270.00																	
95	Dipole	60.00	27.56	0.50	1.00	270.00																	
60-1	GPS	60.00	27.56	0.50	1.00	30.00																	
60-2	GPS	60.00	27.56	0.50	1.00	150.00																	
60-3	Yagi	60.00	27.56	0.50	1.00	150.00																	

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

Section	Z of	Z of Ave. Elev.	qzGh	Ice	Face	Face	Face	Face	Face	Face	Face	Face	Face	Face	Face	NotF	NotF	NotF	NotF	NotF	NotF	Total	Total
																0.00	481.96	120.00					
																0.00	735.82	120.00					
																0.00	358.03	600.00					
																0.00	358.03	600.00					
																0.00	358.03	600.00					
																0.00	118.15	80.60					
																0.00	118.15	80.60					
																0.00	118.15	80.60					
																0.00	118.15	80.60					
																0.00	118.15	80.60					
																0.00	118.15	80.60					
																0.00	118.15	80.60					
																0.00	118.15	80.60					
																0.00	118.15	80.60					
																0.00	118.15	80.60					
																0.00	118.15	80.60					
																0.00	35.80	15.00					
																0.00	35.80	15.00					
																0.00	35.80	15.00					
																0.00	53.19	75.00					
																0.00	79.78	18.20					
																0.00	354.58	600.00					
																0.00	354.58	600.00					
																0.00	354.58	600.00					
																0.00	106.37	27.00					
																0.00	106.37	27.00					
																0.00	106.37	27.00					
																0.00	106.37	27.00					
																0.00	106.37	27.00					
																0.00	106.37	27.00					
																0.00	106.37	27.00					
																0.00	106.37	27.00					
																0.00	106.37	27.00					
																0.00	106.37	27.00					
																0.00	346.18	600.00					
																0.00	346.18	600.00					
																0.00	346.18	600.00					
																0.00	295.64	70.00					
																0.00	123.93	40.00					
																0.00	123.93	40.00					
																0.00	123.24	30.00					
																0.00	294.60	60.00					
																0.00	123.93	40.00					
																0.00	123.93	40.00					
																0.00	123.24	30.00					
																0.00	51.17	75.00					
																0.00	27.63	3.90					
																0.00	94.06	21.50					
																0.00	330.48	600.00					
																0.00	330.48	600.00					
																0.00	330.48	600.00					
																0.00	142.11	30.00					
																0.00	142.11	30.00					
																0.00	142.11	30.00					
																0.00	142.11	30.00					
																0.00	142.11	30.00					
																0.00	49.57	75.00					
																0.00	92.53	21.50					
																0.00	187.59	71.00					
																0.00	27.56	20.00					
																0.00	27.56	20.00					
																0.00	27.56	30.00					

Label	Top (ft)	Bottom (ft)	Above Gnd. (ft)	(psf)	Thick. (in)	AF (ft^2)	AR (ft^2)	RR*AR (ft^2)	AG (ft^2)	e	DF	DR	RR	CF	AE (ft^2)	WF (lbs)	AAF (ft^2)	CAF	AAR (ft^2)	CAR	AAR*CAR (ft^2)	WA (lbs)	Wind (lbs)	Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	20.58	114.04	104.31	163.7	0.82	0.85	1.00	0.91	1.83	121.8	8289	0.00	2.00	0.00	1.20	0.00	0	8289	7949
B	160.00	140.00	150.00	35.80	0.50	22.52	121.21	104.08	191.0	0.75	0.85	1.00	0.86	1.79	123.2	7890	0.00	2.00	0.00	1.20	0.00	0	7890	8433
C	140.00	120.00	130.00	34.37	0.50	25.73	121.93	97.95	218.3	0.68	0.85	1.00	0.80	1.78	119.8	7316	0.00	2.00	0.00	1.20	0.00	0	7316	9133
D	120.00	100.00	110.00	32.77	0.50	28.24	130.49	102.19	245.5	0.65	0.85	1.00	0.78	1.78	126.2	7371	0.00	2.00	0.00	1.20	0.00	0	7371	9931
E	100.00	80.00	90.00	30.94	0.50	37.01	135.28	104.64	272.8	0.63	0.85	1.00	0.77	1.79	136.1	7528	0.00	2.00	0.00	1.20	0.00	0	7528	13048
F	80.00	60.00	70.00	28.80	0.50	37.32	136.42	101.08	300.0	0.58	0.85	1.00	0.74	1.82	132.8	6955	0.00	2.00	0.00	1.20	0.00	0	6955	13585
G	60.00	40.00	50.00	26.16	0.50	39.79	143.64	104.89	327.3	0.56	0.85	1.00	0.73	1.83	138.7	6654	0.00	2.00	0.00	1.20	0.00	0	6654	15314
H	40.00	20.00	30.00	23.23	0.50	45.39	144.89	103.87	354.6	0.54	0.85	1.00	0.72	1.86	142.5	6145	0.00	2.00	0.00	1.20	0.00	0	6145	16080
I	20.00	0.00	10.00	23.23	0.50	53.73	144.01	101.77	381.9	0.52	0.85	1.00	0.71	1.88	147.4	6432	0.00	2.00	0.00	1.20	0.00	0	6432	17419

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-C	3' Stand-Off	180.00	0.00	0.50	1.50	240.00							0.00	0.00	75.00
Top-1	Dipole	180.00	0.00	0.50	6.00	0.00							0.00	0.00	71.00
Top-2	Decibel DB224 w/ ice	180.00	0.00	0.50	5.67	120.00							0.00	0.00	41.60
Top-3	RFS PD1110 w/ ice	180.00	0.00	0.50	3.05	120.00							0.00	0.00	32.80
Top-4	Andrew DB-583 w/ ice	180.00	0.00	0.50	0.71	240.00							0.00	0.00	11.60
Top-5	Scala OGT6-806 w/ ice	180.00	0.00	0.50	1.98	0.00							0.00	0.00	22.70
Top-6	Scala OGT6-806 w/ ice	180.00	0.00	0.50	1.98	240.00							0.00	0.00	22.70
Top-7	6' Dish with Radome	180.00	0.00	0.50	29.00	0.00							0.00	0.00	220.00
Top-8	6' Dish with Radome	180.00	0.00	0.50	29.00	120.00							0.00	0.00	220.00
Top-9	6' Dish with Radome	180.00	0.00	0.50	29.00	240.00							0.00	0.00	220.00
178	TMA	175.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
176	6' Dish with Radome	175.00	0.00	0.50	29.00	120.00							0.00	0.00	220.00
173-A	3' Stand-Off	170.00	0.00	0.50	1.50	0.00							0.00	0.00	75.00
173-B	3' Stand-Off	170.00	0.00	0.50	1.50	120.00							0.00	0.00	75.00
173-C	3' Stand-Off	170.00	0.00	0.50	1.50	240.00							0.00	0.00	75.00
173-1	Scala OGT6-806 w/ ice	170.00	0.00	0.50	1.98	0.00							0.00	0.00	22.70
173-2	Decibel DB806M-XT	170.00	0.00	0.50	2.50	0.00							0.00	0.00	20.00
173-3	Scala OGT6-806 w/ ice	170.00	0.00	0.50	1.98	120.00							0.00	0.00	22.70
173-4	Decibel DB806M-XT	170.00	0.00	0.50	2.50	240.00							0.00	0.00	20.00
170	4' Dish with Radome	165.00	0.00	0.50	13.10	0.00							0.00	0.00	120.00
163.5	GLF-940	165.00	0.00	0.50	20.00	120.00							0.00	0.00	120.00
Cingular-A	12' T-Arm	150.00	0.00	0.50	10.00	0.00							0.00	0.00	600.00
Cingular-B	12' T-Arm	150.00	0.00	0.50	10.00	120.00							0.00	0.00	600.00
Cingular-C	12' T-Arm	150.00	0.00	0.50	10.00	240.00							0.00	0.00	80.60
Cingular-1	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	0.00							0.00	0.00	80.60
Cingular-2	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	0.00							0.00	0.00	80.60
Cingular-3	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	0.00							0.00	0.00	80.60
Cingular-4	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	120.00							0.00	0.00	80.60
Cingular-5	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	120.00							0.00	0.00	80.60
Cingular-6	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	120.00							0.00	0.00	80.60
Cingular-7	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	120.00							0.00	0.00	80.60
Cingular-8	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	240.00							0.00	0.00	80.60
Cingular-9	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	240.00							0.00	0.00	80.60
Cingular-10	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	240.00							0.00	0.00	80.60
Cingular-11	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	3.30	240.00							0.00	0.00	80.60
Cingular-12	CSS DUO-4-6060 w/ ice	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
Cingular-13	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
Cingular-14	TMA	150.00	0.00	0.50	1.00	240.00							0.00	0.00	15.00
Cingular-15	TMA	150.00	0.00	0.50	1.50	0.00							0.00	0.00	75.00
146-A	3' Stand-Off	145.00	0.00	0.50	2.25	0.00							0.00	0.00	18.20
146-1	Celwave PD1167 w/ ice	145.00	0.00	0.50	10.00	0.00							0.00	0.00	600.00
ATT-A	12' T-Arm	145.00	0.00	0.50	10.00	120.00							0.00	0.00	600.00
ATT-B	12' T-Arm	145.00	0.00	0.50	10.00	240.00							0.00	0.00	600.00
ATT-C	12' T-Arm	145.00	0.00	0.50	3.00	0.00							0.00	0.00	27.00
ATT-1	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	0.00							0.00	0.00	27.00
ATT-2	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	0.00							0.00	0.00	27.00
ATT-3	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	0.00							0.00	0.00	27.00
ATT-4	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	120.00							0.00	0.00	27.00
ATT-5	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	120.00							0.00	0.00	27.00
ATT-6	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	120.00							0.00	0.00	27.00
ATT-7	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	120.00							0.00	0.00	27.00
ATT-8	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	120.00							0.00	0.00	27.00

ATT-9	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	240.00	0.00	0.00	27.00
ATT-10	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	240.00	0.00	0.00	27.00
ATT-11	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	240.00	0.00	0.00	27.00
ATT-12	Allgon 7184 w/ ice	145.00	0.00	0.50	3.00	240.00	0.00	0.00	27.00
Verizon-A	12` T-Arm	133.34	0.00	0.50	10.00	0.00	0.00	0.00	600.00
Verizon-B	12` T-Arm	133.34	0.00	0.50	10.00	120.00	0.00	0.00	600.00
Verizon-C	12` T-Arm	133.34	0.00	0.50	10.00	240.00	0.00	0.00	600.00
Verizon-1	Powerwave P65-15-XL-2	133.34	0.00	0.50	8.54	0.00	0.00	0.00	70.00
Verizon-2	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	0.00	0.00	0.00	40.00
Verizon-3	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	0.00	0.00	0.00	40.00
Verizon-4	Rysma MG D3-800T0	133.34	0.00	0.50	3.56	0.00	0.00	0.00	30.00
Verizon-5	Andrew LNX-6514DS-T4M	133.34	0.00	0.50	8.51	120.00	0.00	0.00	60.00
Verizon-6	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	120.00	0.00	0.00	40.00
Verizon-7	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	120.00	0.00	0.00	40.00
Verizon-8	Rysma MG D3-800T0	133.34	0.00	0.50	3.56	120.00	0.00	0.00	30.00
Verizon-9	Powerwave P65-15-XL-2	133.34	0.00	0.50	8.54	240.00	0.00	0.00	70.00
Verizon-10	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	240.00	0.00	0.00	40.00
Verizon-11	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	240.00	0.00	0.00	40.00
Verizon-12	Rysma MG D3-800T0	133.34	0.00	0.50	3.56	240.00	0.00	0.00	30.00
126.5-A	3` Stand-Off	126.66	0.00	0.50	1.50	0.00	0.00	0.00	75.00
126.5-1	Decibel DB225-K w/ ice	126.66	0.00	0.50	0.81	0.00	0.00	0.00	3.90
120-1	RFS PD1142 w/ ice	120.00	0.00	0.50	2.80	120.00	0.00	0.00	21.50
Sprint-A	12` T-Arm	113.34	0.00	0.50	10.00	0.00	0.00	0.00	600.00
Sprint-B	12` T-Arm	113.34	0.00	0.50	10.00	120.00	0.00	0.00	600.00
Sprint-C	12` T-Arm	113.34	0.00	0.50	10.00	240.00	0.00	0.00	600.00
Sprint-1	Decibel DB980	113.34	0.00	0.50	4.30	0.00	0.00	0.00	30.00
Sprint-2	Decibel DB980	113.34	0.00	0.50	4.30	0.00	0.00	0.00	30.00
Sprint-3	Decibel DB980	113.34	0.00	0.50	4.30	120.00	0.00	0.00	30.00
Sprint-4	Decibel DB980	113.34	0.00	0.50	4.30	120.00	0.00	0.00	30.00
Sprint-5	Decibel DB980	113.34	0.00	0.50	4.30	240.00	0.00	0.00	30.00
Sprint-6	Decibel DB980	113.34	0.00	0.50	4.30	240.00	0.00	0.00	30.00
114-A	3` Stand-Off	113.34	0.00	0.50	1.50	0.00	0.00	0.00	75.00
114-1	RFS PD1142 w/ ice	113.34	0.00	0.50	2.80	0.00	0.00	0.00	21.50
95	Dipole	93.34	0.00	0.50	6.00	0.00	0.00	0.00	71.00
60-1	GPS	60.00	0.00	0.50	1.00	0.00	0.00	0.00	20.00
60-2	GPS	60.00	0.00	0.50	1.00	120.00	0.00	0.00	20.00
60-3	Yagi	60.00	0.00	0.50	1.00	240.00	0.00	0.00	30.00

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 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	0.00	0.50	20.58	114.04	104.31	163.7	0.82	1.00	1.00	0.91	1.83	124.9	0	0.00	2.00	0.00	1.20	0.00	0	0	7949
B	160.00	140.00	150.00	0.00	0.50	22.52	121.21	104.08	191.0	0.75	1.00	1.00	0.86	1.79	126.6	0	0.00	2.00	0.00	1.20	0.00	0	0	8433
C	140.00	120.00	130.00	0.00	0.50	25.73	121.93	97.95	218.3	0.68	1.00	1.00	0.80	1.78	123.7	0	0.00	2.00	0.00	1.20	0.00	0	0	9133
D	120.00	100.00	110.00	0.00	0.50	28.24	130.49	102.19	245.5	0.65	1.00	1.00	0.78	1.78	130.4	0	0.00	2.00	0.00	1.20	0.00	0	0	9931
E	100.00	80.00	90.00	0.00	0.50	37.01	135.28	104.64	272.8	0.63	1.00	1.00	0.77	1.79	141.6	0	0.00	2.00	0.00	1.20	0.00	0	0	13048
F	80.00	60.00	70.00	0.00	0.50	37.32	136.42	101.08	300.0	0.58	1.00	1.00	0.74	1.82	138.4	0	0.00	2.00	0.00	1.20	0.00	0	0	13585
G	60.00	40.00	50.00	0.00	0.50	39.79	143.64	104.89	327.3	0.56	1.00	1.00	0.73	1.83	144.7	0	0.00	2.00	0.00	1.20	0.00	0	0	15314
H	40.00	20.00	30.00	0.00	0.50	45.39	144.89	103.87	354.6	0.54	1.00	1.00	0.72	1.86	149.3	0	0.00	2.00	0.00	1.20	0.00	0	0	16080
I	20.00	0.00	10.00	0.00	0.50	53.73	144.01	101.77	381.9	0.52	1.00	1.00	0.71	1.88	155.5	0	0.00	2.00	0.00	1.20	0.00	0	0	17419

*** Analysis Results:

Maximum element usage is 82.98% 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	15.27	1.660	-1.296	-1.296	-0.558	1.125	1.660	1.269	-0.014
Rohn-D1	Rohn-DA11	19.95	2.109	-2.170	2.109	2.045	0.422	-1.651	-2.170	-0.032
Rohn-D1	Rohn-DA12	13.97	0.697	-1.519	-0.722	-1.366	-1.519	-0.141	0.697	-0.013
Rohn-D1	Rohn-DA2P	14.63	1.591	-1.116	1.068	1.591	1.333	-0.294	-1.116	-0.025
Rohn-D1	Rohn-DA21	20.01	0.710	-2.176	0.710	-0.453	-2.176	-1.725	-0.761	-0.026
Rohn-D1	Rohn-DA22	13.66	1.483	-1.486	-1.486	-1.072	0.413	1.483	1.472	-0.007
Rohn-D1	Rohn-DA3P	18.82	2.047	-1.018	-1.018	0.146	2.047	1.857	0.964	-0.028
Rohn-D1	Rohn-DA31	22.39	2.435	-2.434	2.346	2.435	0.789	-1.690	-2.434	-0.047
Rohn-D1	Rohn-DA32	15.69	0.848	-1.707	-0.902	-1.604	-1.707	-0.095	0.848	-0.027
Rohn-D1	Rohn-DA4P	15.07	1.639	-1.147	1.068	1.639	1.429	-0.269	-1.147	-0.041
Rohn-D1	Rohn-DA41	24.24	0.587	-2.636	0.587	-0.779	-2.636	-1.862	-0.666	-0.041
Rohn-D1	Rohn-DA42	20.32	2.166	-2.209	-2.209	-2.034	-0.272	1.742	2.166	-0.021
Rohn-D1	Rohn-DA5P	21.31	2.318	-1.394	-1.394	-0.058	2.303	2.318	1.357	-0.019
Rohn-D1	Rohn-DA51	22.33	2.361	-2.429	2.361	2.292	0.485	-1.839	-2.429	-0.034
Rohn-D1	Rohn-DA52	14.88	0.667	-1.618	-0.706	-1.389	-1.618	-0.208	0.667	-0.019
Rohn-D1	Rohn-DA6P	15.77	1.715	-1.228	1.167	1.715	1.421	-0.350	-1.228	-0.032
Rohn-D1	Rohn-DA61	23.36	0.765	-2.540	0.765	-0.579	-2.540	-1.948	-0.818	-0.028
Rohn-D1	Rohn-DA62	22.12	2.382	-2.405	-2.405	-2.142	-0.150	1.987	2.382	-0.013
Rohn-D1	Rohn-DA7P	20.22	2.199	-1.630	1.547	2.199	1.733	-0.541	-1.630	-0.043
Rohn-D1	Rohn-DA71	31.07	0.904	-3.378	0.904	-0.871	-3.378	-2.500	-0.983	-0.040
Rohn-D1	Rohn-DA72	23.79	2.531	-2.587	-2.587	-2.417	-0.397	1.993	2.531	-0.027
Rohn-D1	Rohn-DA8P	23.95	2.605	-1.578	-1.578	-0.062	2.605	2.601	1.509	-0.035
Rohn-D1	Rohn-DA81	28.56	3.101	-3.106	3.020	3.101	0.961	-2.182	-3.106	-0.046
Rohn-D1	Rohn-DA82	17.17	1.077	-1.868	-1.132	-1.868	-1.852	0.037	1.077	-0.029
Rohn-D2	Rohn-DB1P	33.24	3.615	-1.672	-1.672	0.351	3.615	3.186	1.619	-0.029
Rohn-D2	Rohn-DB11	32.33	3.439	-3.516	3.439	3.237	0.518	-2.758	-3.516	-0.038
Rohn-D2	Rohn-DB12	23.96	1.601	-2.606	-1.650	-2.606	-2.451	0.198	1.601	-0.024
Rohn-D2	Rohn-DB2P	23.37	2.542	-1.666	1.600	2.542	2.359	-0.268	-1.666	-0.037
Rohn-D2	Rohn-DB21	33.38	1.645	-3.629	1.645	-0.349	-3.629	-3.245	-1.707	-0.031
Rohn-D2	Rohn-DB22	32.61	3.499	-3.547	-3.547	-3.362	-0.631	2.709	3.499	-0.023
Rohn-D2	Rohn-DB3P	31.34	3.408	-1.914	-1.914	0.041	3.408	3.266	1.833	-0.042
Rohn-D2	Rohn-DB31	32.92	3.482	-3.580	3.482	3.409	0.788	-2.672	-3.580	-0.048
Rohn-D2	Rohn-DB32	24.34	1.416	-2.647	-1.488	-2.554	-2.647	-0.053	1.416	-0.037
Rohn-D2	Rohn-DB4P	24.81	2.698	-1.919	1.826	2.698	2.282	-0.524	-1.919	-0.049
Rohn-D2	Rohn-DB41	34.96	1.401	-3.802	1.401	-0.640	-3.802	-3.128	-1.482	-0.042
Rohn-D2	Rohn-DB42	32.64	3.472	-3.550	-3.550	-3.217	-0.352	2.826	3.472	-0.036
Rohn-D2	Rohn-DB5P	37.85	4.116	-2.719	-2.719	-0.461	3.791	4.116	2.584	-0.066
Rohn-D2	Rohn-DB51	39.23	4.178	-4.267	4.137	4.178	1.178	-3.061	-4.267	-0.069
Rohn-D2	Rohn-DB52	32.54	1.301	-3.539	-1.422	-2.927	-3.539	-0.594	1.301	-0.059
Rohn-D2	Rohn-DB6P	32.73	3.559	-2.721	2.579	3.559	2.687	-1.016	-2.721	-0.070
Rohn-D2	Rohn-DB61	42.55	1.305	-4.627	1.305	-1.130	-4.627	-3.483	-1.434	-0.063
Rohn-D2	Rohn-DB62	39.28	4.159	-4.272	-4.272	-3.609	0.094	3.653	4.159	-0.060
Rohn-D2	Rohn-DB7P	45.04	4.898	-2.686	-2.686	0.128	4.898	4.630	2.543	-0.081
Rohn-D2	Rohn-DB71	48.07	5.051	-5.227	5.051	4.628	0.482	-4.242	-5.227	-0.081
Rohn-D2	Rohn-DB72	38.27	2.408	-4.162	-2.559	-4.162	-4.036	0.136	2.408	-0.074
Rohn-D2	Rohn-DB8P	37.79	4.110	-2.692	2.543	4.110	3.854	-0.399	-2.692	-0.085
Rohn-D2	Rohn-DB81	46.77	2.402	-5.086	2.402	-0.393	-5.086	-4.687	-2.557	-0.076
Rohn-D2	Rohn-DB82	47.94	5.048	-5.214	-5.214	-4.754	-0.564	4.099	5.048	-0.075
Rohn-D3	Rohn-DC1P	45.85	4.986	-3.383	-3.383	-0.517	4.751	4.986	3.019	-0.182
Rohn-D3	Rohn-DC11	51.20	5.196	-5.568	5.196	5.032	1.004	-4.228	-5.568	-0.180
Rohn-D3	Rohn-DC12	43.38	1.977	-4.718	-2.307	-4.222	-4.718	-0.535	1.977	-0.170
Rohn-D3	Rohn-DC2P	40.87	4.444	-3.381	3.012	4.444	3.683	-1.048	-3.381	-0.185
Rohn-D3	Rohn-DC21	53.23	1.979	-5.788	1.979	-1.063	-5.788	-4.770	-2.317	-0.175
Rohn-D3	Rohn-DC22	51.14	5.203	-5.561	-5.561	-4.753	-0.060	4.504	5.203	-0.174
Rohn-D3	Rohn-DC3P	54.14	5.888	-3.608	-3.608	-0.243	5.797	5.888	3.506	-0.054
Rohn-D3	Rohn-DC31	58.77	6.271	-6.391	6.271	5.872	0.888	-5.046	-6.391	-0.054
Rohn-D3	Rohn-DC32	49.07	2.686	-5.336	-2.791	-5.000	-5.336	-0.277	2.686	-0.044
Rohn-D3	Rohn-DC4P	49.54	5.387	-3.621	3.511	5.387	4.784	-0.762	-3.621	-0.058
Rohn-D3	Rohn-DC41	58.30	2.682	-6.340	2.682	-0.779	-6.340	-5.503	-2.790	-0.046
Rohn-D3	Rohn-DC42	58.79	6.284	-6.394	-6.394	-5.557	-0.125	5.374	6.284	-0.048
Rohn-D3	Rohn-DC5P	53.33	5.799	-3.219	-3.219	0.156	5.799	5.368	2.874	-0.186
Rohn-D3	Rohn-DC51	59.28	6.030	-6.446	6.030	5.354	0.190	-5.397	-6.446	-0.183

Rohn-D3	Rohn-DC52	49.51	3.080	-5.384	-3.414	-5.384	-5.102	0.251	3.080	-0.174
Rohn-D3	Rohn-DC6P	44.80	4.871	-3.195	2.848	4.871	4.843	-0.302	-3.195	-0.188
Rohn-D3	Rohn-DC61	56.00	3.082	-6.089	3.082	-0.240	-6.089	-5.884	-3.423	-0.177
Rohn-D3	Rohn-DC62	59.03	6.015	-6.419	-6.419	-5.840	-0.741	4.869	6.015	-0.178
Rohn-D4	Rohn-DD1P	39.47	5.723	-4.052	-4.052	-0.778	5.340	5.723	3.519	-0.263
Rohn-D4	Rohn-DD11	44.86	5.960	-6.505	5.960	5.727	1.028	-4.992	-6.505	-0.261
Rohn-D4	Rohn-DD12	39.22	2.200	-5.686	-2.692	-4.992	-5.686	-0.783	2.200	-0.248
Rohn-D4	Rohn-DD2P	36.25	5.256	-4.059	3.519	5.256	4.406	-1.251	-4.059	-0.266
Rohn-D4	Rohn-DD21	46.03	2.164	-6.675	2.164	-1.303	-6.675	-5.467	-2.665	-0.253
Rohn-D4	Rohn-DD22	44.61	5.935	-6.468	-6.468	-5.455	0.037	5.207	5.935	-0.253
Rohn-D4	Rohn-DD3P	44.53	6.456	-3.547	-3.547	0.135	6.456	6.172	3.493	-0.039
Rohn-D4	Rohn-DD31	47.48	6.741	-6.884	6.741	6.029	0.403	-5.717	-6.884	-0.038
Rohn-D4	Rohn-DD32	39.55	3.416	-5.735	-3.489	-5.735	-5.593	0.253	3.416	-0.026
Rohn-D4	Rohn-DD4P	39.30	5.698	-3.550	3.489	5.698	5.510	-0.342	-3.550	-0.043
Rohn-D4	Rohn-DD41	44.94	3.426	-6.516	3.426	-0.197	-6.516	-6.210	-3.504	-0.028
Rohn-D4	Rohn-DD42	47.53	6.762	-6.891	-6.891	-6.182	-0.510	5.588	6.762	-0.031
Rohn-D4	Rohn-DD5P	38.48	5.580	-3.891	-3.891	-0.614	5.339	5.580	3.388	-0.258
Rohn-D4	Rohn-DD51	44.60	5.875	-6.467	5.875	5.541	0.827	-5.062	-6.467	-0.256
Rohn-D4	Rohn-DD52	38.88	2.461	-5.637	-2.906	-5.173	-5.637	-0.506	2.461	-0.244
Rohn-D4	Rohn-DD6P	35.47	5.142	-3.892	3.385	5.142	4.458	-1.060	-3.892	-0.260
Rohn-D4	Rohn-DD61	45.08	2.453	-6.537	2.453	-0.961	-6.537	-5.619	-2.905	-0.248
Rohn-D4	Rohn-DD62	44.51	5.872	-6.454	-6.454	-5.492	-0.048	5.096	5.872	-0.249
Rohn-D5	Rohn-DE1P	29.62	4.813	-3.551	-3.551	-0.786	4.440	4.813	2.965	-0.296
Rohn-D5	Rohn-DE11	33.55	4.853	-5.452	4.853	4.663	0.781	-4.203	-5.452	-0.294
Rohn-D5	Rohn-DE12	29.65	1.750	-4.818	-2.330	-4.236	-4.818	-0.724	1.750	-0.282
Rohn-D5	Rohn-DE2P	26.99	4.385	-3.554	2.961	4.385	3.586	-1.217	-3.554	-0.300
Rohn-D5	Rohn-DE21	34.87	1.752	-5.666	1.752	-1.143	-5.666	-4.669	-2.338	-0.286
Rohn-D5	Rohn-DE22	33.54	4.864	-5.450	-5.450	-4.621	-0.056	4.250	4.864	-0.287
Rohn-D5	Rohn-DE3P	36.83	5.985	-2.589	-2.589	0.756	5.985	5.013	2.430	-0.105
Rohn-D5	Rohn-DE31	37.45	5.775	-6.085	5.775	4.791	-0.446	-5.419	-6.085	-0.104
Rohn-D5	Rohn-DE32	34.17	3.678	-5.552	-3.852	-5.552	-4.634	1.000	3.678	-0.094
Rohn-D5	Rohn-DE4P	31.79	5.166	-2.592	2.427	4.606	5.166	0.344	-2.592	-0.108
Rohn-D5	Rohn-DE41	36.67	3.675	-5.959	3.675	0.589	-5.448	-5.959	-3.852	-0.095
Rohn-D5	Rohn-DE42	37.41	5.778	-6.079	-6.079	-5.817	-1.251	4.386	5.778	-0.099
Rohn-D5	Rohn-DE5P	37.39	6.076	-4.264	-4.264	-0.704	5.875	6.076	3.645	-0.279
Rohn-D5	Rohn-DE51	42.80	6.398	-6.954	6.398	5.896	0.648	-5.538	-6.954	-0.278
Rohn-D5	Rohn-DE52	38.26	2.801	-6.217	-3.311	-5.743	-6.217	-0.518	2.801	-0.271
Rohn-D5	Rohn-DE6P	34.98	5.685	-4.265	3.644	5.685	5.089	-1.099	-4.265	-0.281
Rohn-D5	Rohn-DE61	43.07	2.800	-6.999	2.800	-0.909	-6.999	-6.135	-3.313	-0.273
Rohn-D5	Rohn-DE62	42.78	6.402	-6.952	-6.952	-5.922	-0.124	5.509	6.402	-0.274
Rohn-D6	Rohn-DF1P	46.16	7.501	-4.250	-4.250	0.126	7.501	7.028	3.852	-0.281
Rohn-D6	Rohn-DF11	52.52	7.809	-8.534	7.809	6.824	-0.054	-7.312	-8.534	-0.281
Rohn-D6	Rohn-DF12	46.13	4.166	-7.496	-4.763	-7.496	-7.083	0.340	4.166	-0.274
Rohn-D6	Rohn-DF2P	41.12	6.681	-4.252	3.851	6.618	6.681	-0.287	-4.252	-0.283
Rohn-D6	Rohn-DF21	48.67	4.164	-7.909	4.164	-0.071	-7.905	-7.909	-4.764	-0.276
Rohn-D6	Rohn-DF22	52.49	7.812	-8.530	-8.530	-7.717	-0.869	6.417	7.812	-0.277
Rohn-D6	Rohn-DF3P	43.24	7.026	-4.960	-4.960	-0.822	6.794	7.026	4.311	-0.266
Rohn-D6	Rohn-DF31	49.63	7.449	-8.064	7.449	6.840	0.843	-6.360	-8.064	-0.266
Rohn-D6	Rohn-DF32	45.00	3.261	-7.312	-3.647	-6.548	-7.312	-0.630	3.261	-0.261
Rohn-D6	Rohn-DF4P	40.87	6.641	-4.962	4.310	6.641	6.019	-1.212	-4.962	-0.268
Rohn-D6	Rohn-DF41	49.77	3.261	-8.087	3.261	-1.018	-8.087	-6.935	-3.649	-0.262
Rohn-D6	Rohn-DF42	49.61	7.452	-8.062	-8.062	-6.742	0.081	6.458	7.452	-0.263
Rohn-D6	Rohn-DG1P	40.55	6.589	-4.392	-4.392	-0.584	6.341	6.589	3.969	-0.308
Rohn-D6	Rohn-DG11	47.40	6.963	-7.703	6.963	6.411	0.532	-6.319	-7.703	-0.308
Rohn-D6	Rohn-DG12	41.41	3.092	-6.728	-3.817	-6.492	-6.728	-0.399	3.092	-0.304
Rohn-D6	Rohn-DG2P	38.31	6.226	-4.393	3.968	6.226	5.609	-0.953	-4.393	-0.310
Rohn-D6	Rohn-DG21	45.91	3.091	-7.459	3.091	-0.767	-7.459	-6.857	-3.818	-0.305
Rohn-D6	Rohn-DG22	47.39	6.965	-7.700	-7.700	-6.680	-0.189	6.050	6.965	-0.305
Rohn-D6	Rohn-DG3P	38.11	6.193	-3.953	-3.953	-0.252	6.193	5.890	3.391	-0.216
Rohn-D6	Rohn-DG31	43.25	6.479	-7.027	6.479	5.721	0.344	-5.712	-7.027	-0.216
Rohn-D6	Rohn-DG32	38.02	3.266	-6.178	-3.500	-5.878	-6.178	-0.078	3.266	-0.212
Rohn-D6	Rohn-DG4P	34.13	5.545	-3.954	3.390	5.545	5.499	-0.601	-3.954	-0.217
Rohn-D6	Rohn-DG41	42.28	3.265	-6.871	3.265	-0.426	-6.871	-6.223	-3.501	-0.213
Rohn-D6	Rohn-DG42	43.23	6.481	-7.025	-7.025	-6.053	-0.338	5.379	6.481	-0.214
Rohn-D7	Rohn-DH1P	37.44	6.083	-4.649	-4.649	-0.836	6.004	6.083	3.408	-0.725
Rohn-D7	Rohn-DH11	50.23	6.582	-8.161	6.582	5.923	-0.107	-6.884	-8.161	-0.725
Rohn-D7	Rohn-DH12	43.84	2.818	-7.123	-4.407	-7.041	-7.123	-0.670	2.818	-0.721
Rohn-D7	Rohn-DH2P	35.42	5.756	-4.650	3.407	5.756	5.347	-1.167	-4.650	-0.726
Rohn-D7	Rohn-DH21	47.88	2.817	-7.781	2.817	-1.001	-7.781	-7.369	-4.408	-0.723
Rohn-D7	Rohn-DH22	50.21	6.584	-8.159	-8.159	-7.208	-0.755	5.599	6.584	-0.722
Rohn-D7	Rohn-DH3P	37.66	6.120	-3.726	-3.726	-0.186	6.120	6.107	3.857	0.122
Rohn-D7	Rohn-DH31	40.25	6.540	-6.481	6.540	5.953	0.982	-5.048	-6.481	0.121
Rohn-D7	Rohn-DH32	35.92	3.230	-5.837	-2.757	-5.197	-5.837	-0.029	3.230	0.125
Rohn-D7	Rohn-DH4P	35.66	5.794	-3.727	3.855	5.794	5.492	-0.501	-3.727	0.120

Rohn-D7	Rohn-DH41	39.78	3.229	-6.464	3.229	-0.343	-6.464	-5.509	-2.758	0.124
Rohn-D7	Rohn-DH42	40.26	6.542	-6.478	-6.478	-5.356	0.365	5.644	6.542	0.123
Rohn-D7	Rohn-DI1P	43.27	2.112	-7.031	-7.031	-4.175	1.442	2.112	0.248	-3.458
Rohn-D7	Rohn-DI11	56.15	2.154	-9.124	2.154	1.967	-2.324	-7.830	-9.124	-3.458
Rohn-D7	Rohn-DI12	53.16	0.000	-8.638	-5.777	-7.973	-8.638	-4.025	-1.287	-3.455
Rohn-D7	Rohn-DI2P	43.27	1.815	-7.032	0.248	1.815	0.846	-4.474	-7.032	-3.459
Rohn-D7	Rohn-DI21	56.82	0.000	-9.233	-1.288	-4.325	-9.233	-8.270	-5.777	-3.456
Rohn-D7	Rohn-DI22	56.14	2.155	-9.123	-9.123	-8.125	-2.913	1.672	2.155	-3.456
Rohn-D7	Rohn-DI3P	52.08	8.462	0.000	1.379	4.058	8.462	8.130	6.401	3.875
Rohn-D7	Rohn-DI31	52.34	8.505	-1.016	8.505	7.990	4.293	-0.083	-1.016	3.875
Rohn-D7	Rohn-DI32	39.82	6.471	-0.294	1.478	-0.221	-0.294	4.200	6.471	3.877
Rohn-D7	Rohn-DI4P	48.56	7.890	0.000	6.400	7.845	7.890	3.771	1.378	3.874
Rohn-D7	Rohn-DI41	39.82	6.471	-0.864	6.471	3.913	-0.864	-0.505	1.477	3.876
Rohn-D7	Rohn-DI42	52.35	8.507	-1.014	-1.014	-0.365	3.729	7.707	8.507	3.876
Rohn-L1	Rohn-LA1P	1.74	0.000	-1.972	-0.506	-1.195	-1.972	-1.377	-0.715	-0.633
Rohn-L1	Rohn-LA11	1.90	1.232	-2.151	-2.151	-1.481	0.347	1.232	0.989	-0.603
Rohn-L1	Rohn-LA12	1.55	0.756	-1.759	0.631	0.756	0.030	-1.307	-1.759	-0.584
Rohn-L1	Rohn-LA2P	5.39	0.000	-6.106	-0.815	-3.409	-6.106	-3.513	-0.929	-0.898
Rohn-L1	Rohn-LA21	5.03	4.359	-5.689	-5.689	-3.714	1.697	4.359	3.658	-1.053
Rohn-L1	Rohn-LA22	4.78	4.406	-5.410	3.752	4.406	1.776	-3.502	-5.410	-0.854
Rohn-L1	Rohn-LA3P	9.45	0.000	-10.693	-1.242	-5.897	-10.693	-5.936	-1.276	-1.290
Rohn-L1	Rohn-LA31	8.27	7.852	-9.361	-9.361	-5.951	3.335	7.852	6.626	-1.410
Rohn-L1	Rohn-LA32	8.15	8.021	-9.227	6.802	8.021	3.503	-5.807	-9.227	-1.244
Rohn-L1	Rohn-LA4P	13.58	0.000	-15.367	-1.571	-8.349	-15.367	-8.446	-1.668	-1.660
Rohn-L1	Rohn-LA41	12.05	12.024	-13.640	-13.640	-8.565	5.274	12.024	10.212	-1.768
Rohn-L1	Rohn-LA42	11.63	11.954	-13.166	10.207	11.954	5.342	-8.206	-13.166	-1.516
Rohn-L2	Rohn-LB1P	15.56	0.000	-21.408	-2.190	-11.655	-21.408	-11.628	-2.139	-2.209
Rohn-L2	Rohn-LB11	13.60	16.686	-18.720	-18.720	-11.740	7.344	16.686	14.218	-2.312
Rohn-L2	Rohn-LB12	13.47	16.948	-18.538	14.462	16.948	7.640	-11.512	-18.538	-2.083
Rohn-L2	Rohn-LB2P	19.85	0.000	-27.309	-2.428	-14.654	-27.309	-14.673	-2.428	-2.474
Rohn-L2	Rohn-LB21	17.31	21.991	-23.824	-23.824	-14.780	9.928	21.991	18.801	-2.576
Rohn-L2	Rohn-LB22	17.17	22.185	-23.626	18.995	22.185	10.166	-14.560	-23.626	-2.366
Rohn-L2	Rohn-LB3P	25.08	0.000	-34.512	-3.611	-18.779	-34.512	-18.794	-3.601	-3.668
Rohn-L2	Rohn-LB31	21.87	26.645	-30.090	-30.090	-18.874	11.739	26.645	22.698	-3.772
Rohn-L2	Rohn-LB32	21.74	26.841	-29.917	22.891	26.841	11.982	-18.669	-29.917	-3.576
Rohn-L2	Rohn-LB4P	31.41	0.000	-43.215	-4.670	-23.592	-43.215	-23.612	-4.665	-4.733
Rohn-L2	Rohn-LB41	27.32	33.198	-37.585	-37.585	-23.600	14.590	33.198	28.272	-4.749
Rohn-L2	Rohn-LB42	27.19	33.374	-37.413	28.448	33.374	14.821	-23.398	-37.413	-4.562
Rohn-L3	Rohn-LC1P	31.68	0.000	-52.464	-5.197	-28.386	-52.464	-28.410	-5.193	-5.264
Rohn-L3	Rohn-LC11	27.55	41.261	-45.614	-45.614	-28.448	18.433	41.261	35.231	-5.289
Rohn-L3	Rohn-LC12	27.45	41.428	-45.452	35.399	41.428	18.662	-28.252	-45.452	-5.113
Rohn-L3	Rohn-LC2P	39.12	0.000	-64.784	-6.470	-35.060	-64.784	-35.086	-6.463	-6.551
Rohn-L3	Rohn-LC21	33.96	50.731	-56.234	-56.234	-35.078	22.664	50.731	43.305	-6.578
Rohn-L3	Rohn-LC22	33.87	50.885	-56.094	43.458	50.885	22.886	-34.897	-56.094	-6.421
Rohn-L3	Rohn-LC3P	46.33	0.000	-76.724	-6.796	-41.079	-76.724	-41.125	-6.812	-6.868
Rohn-L3	Rohn-LC31	40.13	61.938	-66.447	-66.447	-41.073	28.230	61.938	53.029	-6.830
Rohn-L3	Rohn-LC32	40.04	62.062	-66.303	53.160	62.062	28.425	-40.900	-66.303	-6.682
Rohn-L4	Rohn-LD1P	54.57	0.000	-87.963	-7.493	-46.913	-87.963	-46.962	-7.512	-7.579
Rohn-L4	Rohn-LD11	47.22	71.438	-76.124	-76.124	-46.932	32.749	71.438	61.215	-7.576
Rohn-L4	Rohn-LD12	47.13	71.570	-75.966	61.356	71.570	32.954	-46.746	-75.966	-7.417
Rohn-L4	Rohn-LD2P	62.61	0.000	-100.923	-8.888	-53.958	-100.923	-53.983	-8.876	-8.957
Rohn-L4	Rohn-LD21	54.11	81.438	-87.224	-87.224	-53.852	37.245	81.438	69.756	-8.872
Rohn-L4	Rohn-LD22	54.03	81.592	-87.092	69.906	81.592	37.473	-53.674	-87.092	-8.722
Rohn-L4	Rohn-LD3P	69.28	0.000	-111.674	-9.098	-59.310	-111.674	-59.344	-9.099	-9.155
Rohn-L4	Rohn-LD31	59.86	91.597	-96.494	-96.494	-59.283	42.320	91.597	78.589	-9.085
Rohn-L4	Rohn-LD32	59.78	91.728	-96.363	78.721	91.728	42.522	-59.115	-96.363	-8.945
Rohn-L5	Rohn-LE1P	53.28	0.000	-121.897	-9.997	-64.733	-121.897	-64.762	-9.994	-10.072
Rohn-L5	Rohn-LE11	45.99	99.589	-105.227	-105.227	-64.657	46.019	99.589	85.437	-10.016
Rohn-L5	Rohn-LE12	45.94	99.716	-105.106	85.565	99.716	46.215	-64.499	-105.106	-9.884
Rohn-L5	Rohn-LE2P	57.76	0.000	-132.152	-10.800	-70.134	-132.152	-70.168	-10.801	-10.848
Rohn-L5	Rohn-LE21	49.82	108.143	-113.995	-113.995	-70.010	50.049	108.143	92.801	-10.734
Rohn-L5	Rohn-LE22	49.77	108.259	-113.879	92.919	108.259	50.233	-69.860	-113.879	-10.610
Rohn-L5	Rohn-LE3P	61.99	0.000	-141.826	-11.157	-74.994	-141.826	-75.025	-11.158	-11.235
Rohn-L5	Rohn-LE31	53.45	116.727	-122.290	-122.290	-74.916	54.303	116.727	100.260	-11.132
Rohn-L5	Rohn-LE32	53.40	116.839	-122.180	100.373	116.839	54.479	-74.773	-122.180	-11.014
Rohn-L6	Rohn-LF1P	58.41	0.000	-156.778	-12.449	-82.942	-156.778	-82.971	-12.450	-12.447
Rohn-L6	Rohn-LF11	50.35	128.961	-135.140	-135.140	-82.857	59.951	128.961	110.754	-12.353
Rohn-L6	Rohn-LF12	50.31	129.068	-135.034	110.862	129.068	60.118	-82.720	-135.034	-12.240
Rohn-L6	Rohn-LF2P	64.45	0.000	-172.991	-13.190	-91.147	-172.991	-91.174	-13.190	-13.219
Rohn-L6	Rohn-LF21	55.50	143.044	-148.958	-148.958	-91.077	66.888	143.044	122.969	-13.133
Rohn-L6	Rohn-LF22	55.46	143.146	-148.857	123.073	143.146	67.046	-90.948	-148.857	-13.026
Rohn-L7	Rohn-LG1P	60.08	0.000	-189.372	-14.804	-99.899	-189.372	-99.923	-14.805	-14.803
Rohn-L7	Rohn-LG11	51.72	155.755	-163.033	-163.033	-99.829	72.684	155.755	133.865	-14.724
Rohn-L7	Rohn-LG12	51.70	155.844	-162.946	133.955	155.844	72.821	-99.718	-162.946	-14.631

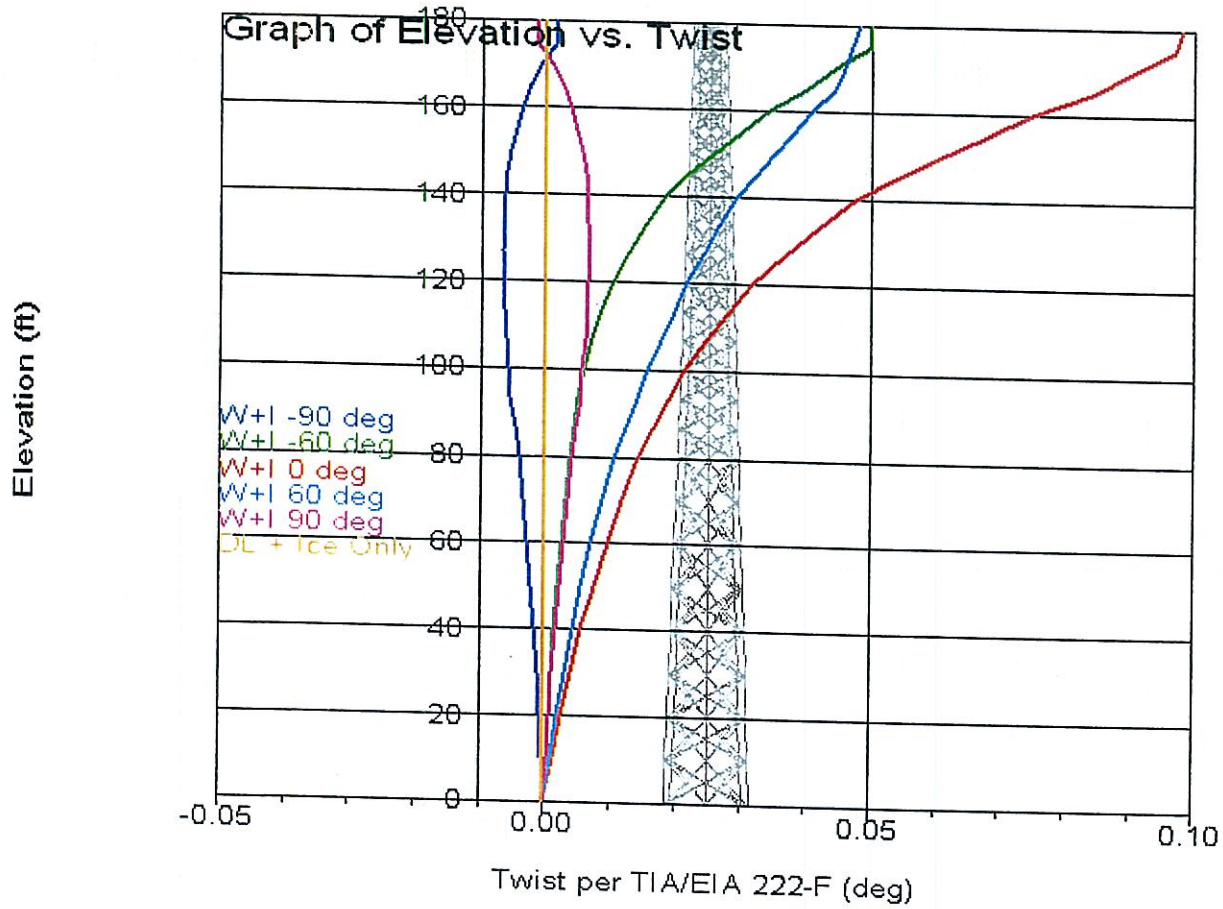
Rohn-L7	Rohn-LG2P	64.65	0.000	-203.756	-15.753	-107.320	-203.756	-107.341	-15.754	-15.754
Rohn-L7	Rohn-LG21	55.62	167.726	-175.304	-175.304	-107.254	78.441	167.726	144.211	-15.679
Rohn-L7	Rohn-LG22	55.59	167.811	-175.221	144.297	167.811	78.568	-107.149	-175.221	-15.591
Rohn-L7	Rohn-LH1P	69.13	0.000	-217.885	-17.002	-114.766	-217.885	-114.784	-17.004	-16.993
Rohn-L7	Rohn-LH11	59.45	178.876	-187.392	-187.392	-114.701	83.637	178.876	153.805	-16.922
Rohn-L7	Rohn-LH12	59.43	178.958	-187.312	153.887	178.958	83.754	-114.603	-187.312	-16.838
Rohn-L7	Rohn-LH2P	73.56	0.000	-231.852	-18.757	-122.395	-231.852	-122.411	-18.758	-18.724
Rohn-L7	Rohn-LH21	63.27	188.916	-199.418	-199.418	-122.333	88.012	188.916	162.364	-18.656
Rohn-L7	Rohn-LH22	63.24	188.996	-199.341	162.444	188.996	88.120	-122.241	-199.341	-18.575
Rohn-L8	Rohn-LI1P	61.05	0.000	-240.763	-17.198	-125.835	-240.763	-125.848	-17.199	-17.207
Rohn-L8	Rohn-LI11	52.39	200.316	-206.640	-206.640	-125.773	94.728	200.316	172.547	-17.142
Rohn-L8	Rohn-LI12	52.38	200.393	-206.566	172.624	200.393	94.829	-125.686	-206.566	-17.064
Rohn-L8	Rohn-LI2P	65.33	0.000	-257.651	-25.057	-138.052	-257.651	-138.063	-25.058	-24.978
Rohn-L8	Rohn-LI21	56.31	201.400	-222.086	-222.086	-137.992	91.498	201.400	172.501	-24.915
Rohn-L8	Rohn-LI22	56.29	201.475	-222.014	172.575	201.475	91.593	-137.908	-222.014	-24.839
Rohn-H1	Rohn-H1P	4.13	0.638	-0.737	-0.714	-0.737	-0.280	0.434	0.638	-0.039
Rohn-H1	Rohn-H11	3.16	0.565	-0.149	-0.149	0.173	0.565	0.373	0.081	-0.035
Rohn-H1	Rohn-H12	5.01	0.733	-0.894	0.733	0.427	-0.450	-0.894	-0.792	-0.029
Rohn-H1	Rohn-H2P	0.61	0.102	-0.109	0.058	0.102	0.073	-0.043	-0.109	-0.026
Rohn-H1	Rohn-H21	0.88	0.088	-0.157	-0.139	-0.157	-0.104	0.037	0.088	-0.027
Rohn-H1	Rohn-H22	0.62	0.000	-0.110	-0.035	-0.067	-0.110	-0.060	-0.024	-0.028
SNB-D1	SNB-DA1P	2.03	0.369	-0.011	-0.011	0.160	0.369	0.226	0.065	0.027
SNB-D1	SNB-DA11	5.15	0.933	-0.838	0.933	0.827	0.083	-0.707	-0.838	0.050
SNB-D1	SNB-DA12	3.33	0.460	-0.604	-0.402	-0.604	-0.487	0.142	0.460	0.029
SNB-D1	SNB-DA2P	4.25	0.771	-0.233	0.317	0.639	0.771	0.166	-0.233	0.042
SNB-D1	SNB-DA21	3.89	0.433	-0.704	0.433	0.006	-0.704	-0.672	-0.348	0.044
SNB-D1	SNB-DA22	1.48	0.268	-0.263	-0.230	-0.263	-0.109	0.164	0.268	0.019
SNB-D1	SNB-DA3P	7.04	1.276	-0.825	-0.825	-0.163	1.124	1.276	0.842	0.009
SNB-D1	SNB-DA31	7.58	1.373	-1.324	1.373	1.164	-0.015	-1.169	-1.324	0.025
SNB-D1	SNB-DA32	6.03	0.447	-1.093	-0.430	-0.918	-1.093	-0.159	0.447	0.009
SNB-D1	SNB-DA4P	5.87	1.065	-0.674	0.715	1.065	0.929	-0.133	-0.674	0.023
SNB-D1	SNB-DA41	6.73	0.779	-1.219	0.779	0.098	-1.144	-1.219	-0.745	0.018
SNB-D1	SNB-DA42	7.63	1.383	-1.377	-1.377	-1.083	0.226	1.300	1.383	0.002
SNB-D1	SNB-DA5P	10.39	1.883	-0.785	-0.785	0.237	1.883	1.647	0.851	0.033
SNB-D1	SNB-DA51	10.17	1.843	-1.759	1.843	1.603	0.066	-1.505	-1.759	0.044
SNB-D1	SNB-DA52	9.59	1.090	-1.737	-1.033	-1.737	-1.688	0.096	1.090	0.030
SNB-D1	SNB-DA6P	10.08	1.828	-0.989	1.070	1.807	1.828	0.033	-0.989	0.042
SNB-D1	SNB-DA61	8.18	0.962	-1.482	0.962	0.114	-1.425	-1.482	-0.889	0.038
SNB-D1	SNB-DA62	11.37	2.060	-2.007	-2.007	-1.822	-0.152	1.688	2.060	0.027
SNB-D1	SNB-DA7P	11.24	2.038	-1.279	-1.279	-0.198	1.860	2.038	1.315	0.019
SNB-D1	SNB-DA71	14.71	2.667	-2.623	2.667	2.369	0.164	-2.197	-2.623	0.024
SNB-D1	SNB-DA72	10.85	0.990	-1.966	-0.955	-1.798	-1.966	-0.120	0.990	0.017
SNB-D1	SNB-DA8P	11.67	2.115	-1.222	1.274	2.115	2.095	-0.031	-1.222	0.026
SNB-D1	SNB-DA81	12.91	1.189	-2.340	1.189	-0.136	-2.340	-2.157	-1.153	0.019
SNB-D1	SNB-DA82	11.35	2.057	-2.031	-2.031	-1.615	0.293	1.909	2.057	0.015
SNB-D2	SNB-DB1P	16.15	2.342	-1.361	-1.361	-0.073	2.278	2.342	1.445	0.042
SNB-D2	SNB-DB11	18.32	2.656	-2.574	2.656	2.365	0.194	-2.140	-2.574	0.043
SNB-D2	SNB-DB12	15.82	1.257	-2.294	-1.181	-2.158	-2.294	-0.054	1.257	0.038
SNB-D2	SNB-DB2P	16.43	2.382	-1.381	1.472	2.382	2.316	-0.072	-1.381	0.045
SNB-D2	SNB-DB21	15.82	1.207	-2.294	1.207	-0.099	-2.294	-2.111	-1.129	0.039
SNB-D2	SNB-DB22	18.19	2.637	-2.565	-2.565	-2.158	0.140	2.325	2.637	0.039
SNB-D2	SNB-DB3P	17.67	2.562	-1.409	-1.409	0.029	2.562	2.502	1.466	0.030
SNB-D2	SNB-DB31	20.03	2.904	-2.854	2.904	2.510	0.050	-2.447	-2.854	0.028
SNB-D2	SNB-DB32	17.29	1.460	-2.507	-1.410	-2.453	-2.507	0.024	1.460	0.025
SNB-D2	SNB-DB4P	17.65	2.560	-1.403	1.461	2.496	2.560	0.036	-1.403	0.031
SNB-D2	SNB-DB41	17.39	1.464	-2.521	1.464	0.018	-2.521	-2.462	-1.415	0.025
SNB-D2	SNB-DB42	19.93	2.889	-2.842	-2.842	-2.436	0.050	2.499	2.889	0.026
SNB-D2	SNB-DB5P	21.64	3.137	-1.601	-1.601	0.138	3.137	2.993	1.712	0.053
SNB-D2	SNB-DB51	24.17	3.504	-3.412	3.504	2.995	-0.011	-2.970	-3.412	0.049
SNB-D2	SNB-DB52	20.54	1.852	-2.979	-1.763	-2.979	-2.934	0.145	1.852	0.048
SNB-D2	SNB-DB6P	21.49	3.117	-1.610	1.720	2.990	3.117	0.124	-1.610	0.053
SNB-D2	SNB-DB61	20.48	1.849	-2.969	1.849	0.146	-2.922	-2.969	-1.763	0.046
SNB-D2	SNB-DB62	24.31	3.524	-3.430	-3.430	-2.990	-0.021	3.008	3.524	0.051
SNB-D2	SNB-DB7P	22.97	3.330	-1.938	-1.938	-0.126	3.202	3.330	2.081	0.077
SNB-D2	SNB-DB71	25.50	3.697	-3.562	3.697	3.297	0.298	-2.946	-3.562	0.072
SNB-D2	SNB-DB72	22.11	1.692	-3.206	-1.538	-2.921	-3.206	-0.138	1.692	0.072
SNB-D2	SNB-DB8P	22.91	3.321	-1.929	2.070	3.321	3.210	-0.110	-1.929	0.075
SNB-D2	SNB-DB81	22.29	1.687	-3.232	1.687	-0.155	-3.232	-2.932	-1.538	0.070
SNB-D2	SNB-DB82	25.36	3.677	-3.535	-3.535	-2.926	0.294	3.280	3.677	0.076
SNB-D3	SNB-DC1P	26.83	4.863	-3.441	-3.441	-1.014	3.961	4.863	3.374	-0.037
SNB-D3	SNB-DC11	28.61	5.097	-5.185	5.097	4.887	0.969	-3.985	-5.185	-0.041
SNB-D3	SNB-DC12	27.83	1.683	-5.045	-1.784	-4.001	-5.045	-1.003	1.683	-0.042
SNB-D3	SNB-DC2P	26.85	4.867	-3.440	3.377	4.867	3.960	-1.012	-3.440	-0.036
SNB-D3	SNB-DC21	27.95	1.668	-5.066	1.668	-1.028	-5.066	-3.999	-1.778	-0.047

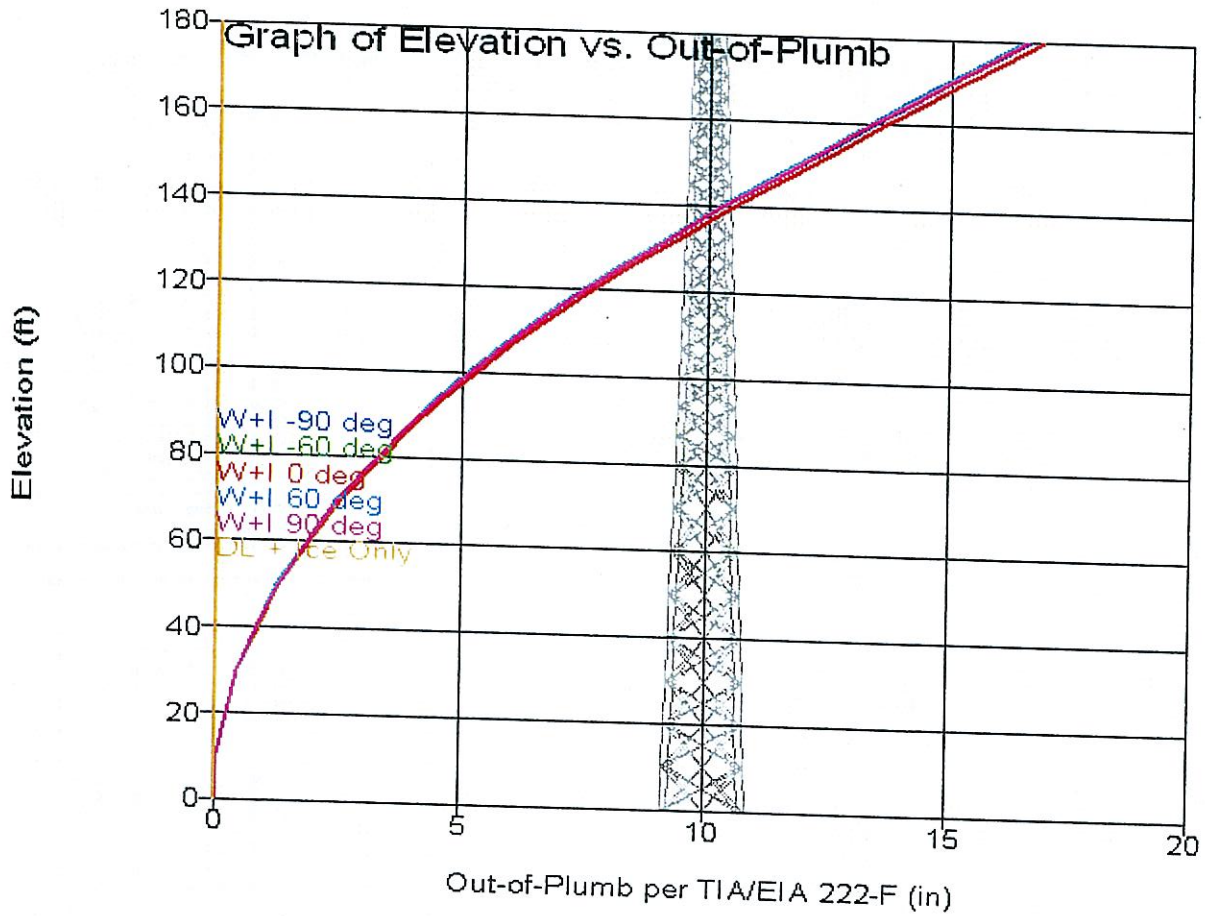
SNB-D3	SNB-DC22	28.53	5.088	-5.171	-5.171	-3.978	0.961	4.874	5.088	-0.038
SNB-D3	SNB-DC3P	30.03	5.443	-1.736	-1.736	1.096	5.443	4.488	2.229	0.247
SNB-D3	SNB-DC31	31.09	5.635	-5.212	5.635	4.469	-0.608	-4.874	-5.212	0.238
SNB-D3	SNB-DC32	26.80	3.677	-4.857	-3.209	-4.857	-4.090	1.103	3.677	0.236
SNB-D3	SNB-DC4P	29.90	5.419	-1.735	2.219	4.467	5.419	1.092	-1.735	0.242
SNB-D3	SNB-DC41	26.83	3.684	-4.863	3.684	1.102	-4.097	-4.863	-3.215	0.237
SNB-D3	SNB-DC42	31.12	5.641	-5.212	-5.212	-4.876	-0.610	4.474	5.641	0.241
SNB-D3	SNB-DC5P	28.81	5.222	-3.527	-3.527	-0.840	4.465	5.222	3.551	0.016
SNB-D3	SNB-DC51	30.46	5.498	-5.520	5.498	5.189	0.962	-4.283	-5.520	0.013
SNB-D3	SNB-DC52	29.56	1.993	-5.357	-1.949	-4.308	-5.357	-0.894	1.993	0.012
SNB-D3	SNB-DC6P	28.88	5.235	-3.552	3.576	5.235	4.454	-0.863	-3.552	0.017
SNB-D3	SNB-DC61	29.51	1.979	-5.348	1.979	-0.899	-5.348	-4.297	-1.942	0.008
SNB-D3	SNB-DC62	30.51	5.513	-5.531	-5.531	-4.309	0.929	5.188	5.513	0.016
SNB-D3	SNB-DD1P	34.49	6.251	-4.621	-4.621	-1.645	4.745	6.251	4.545	-0.042
SNB-D3	SNB-DD11	35.47	6.314	-6.428	6.314	6.224	1.554	-4.768	-6.428	-0.044
SNB-D3	SNB-DD12	35.31	1.721	-6.400	-1.857	-4.716	-6.400	-1.616	1.721	-0.050
SNB-D3	SNB-DD2P	34.34	6.224	-4.607	4.534	6.224	4.708	-1.652	-4.607	-0.040
SNB-D3	SNB-DD21	35.41	1.745	-6.419	1.745	-1.606	-6.419	-4.744	-1.886	-0.052
SNB-D3	SNB-DD22	35.52	6.326	-6.438	-6.438	-4.771	1.569	6.243	6.326	-0.043
SNB-D3	SNB-DD3P	37.22	6.746	-1.735	-1.735	1.732	6.746	5.197	2.363	0.312
SNB-D3	SNB-DD31	37.11	6.726	-6.237	6.726	5.163	-1.054	-5.994	-6.237	0.305
SNB-D3	SNB-DD32	33.16	4.742	-6.011	-4.130	-6.011	-4.767	1.694	4.742	0.303
SNB-D3	SNB-DD4P	37.10	6.724	-1.746	2.370	5.192	6.724	1.717	-1.746	0.309
SNB-D3	SNB-DD41	33.12	4.738	-6.003	4.738	1.687	-4.767	-6.003	-4.123	0.304
SNB-D3	SNB-DD42	37.15	6.734	-6.243	-6.243	-6.010	-1.076	5.159	6.734	0.307
SNB-D3	SNB-DD5P	36.73	6.657	-4.503	-4.503	-1.035	5.745	6.657	4.513	0.003
SNB-D3	SNB-DD51	39.87	7.121	-7.226	7.121	6.678	1.147	-5.654	-7.226	0.001
SNB-D3	SNB-DD52	38.17	2.686	-6.918	-2.651	-5.675	-6.918	-1.030	2.686	-0.001
SNB-D3	SNB-DD6P	36.67	6.646	-4.494	4.507	6.646	5.739	-1.027	-4.494	0.004
SNB-D3	SNB-DD61	38.30	2.680	-6.942	2.680	-1.047	-6.942	-5.687	-2.652	-0.004
SNB-D3	SNB-DD62	39.79	7.110	-7.212	-7.212	-5.648	1.131	6.662	7.110	0.002
SNB-D4	SNB-DE1P	40.25	8.693	-6.179	-6.179	-1.921	6.971	8.693	6.140	-0.010
SNB-D4	SNB-DE11	41.79	8.988	-9.027	8.988	8.680	1.907	-6.834	-9.027	-0.010
SNB-D4	SNB-DE12	41.04	2.814	-8.865	-2.890	-6.799	-8.865	-1.889	2.814	-0.015
SNB-D4	SNB-DE2P	40.24	8.691	-6.179	6.145	8.691	6.957	-1.927	-6.179	-0.008
SNB-D4	SNB-DE21	41.13	2.808	-8.885	2.808	-1.905	-8.885	-6.802	-2.889	-0.017
SNB-D4	SNB-DE22	41.79	8.987	-9.025	-9.025	-6.842	1.891	8.671	8.987	-0.010
SNB-D4	SNB-DE3P	25.78	8.251	-2.661	-2.661	1.642	8.251	6.814	3.449	0.390
SNB-D4	SNB-DE31	26.56	8.498	-7.869	8.498	6.784	-0.779	-7.279	-7.869	0.386
SNB-D4	SNB-DE32	22.80	5.529	-7.296	-4.735	-7.296	-6.300	1.609	5.529	0.386
SNB-D4	SNB-DE4P	25.73	8.234	-2.662	3.446	6.801	8.234	1.636	-2.662	0.388
SNB-D4	SNB-DE41	22.83	5.529	-7.304	5.529	1.599	-6.320	-7.304	-4.735	0.386
SNB-D4	SNB-DE42	26.56	8.499	-7.865	-7.865	-7.287	-0.794	6.780	8.499	0.388
SNB-D4	SNB-DE5P	22.47	7.191	-5.190	-5.190	-1.710	5.609	7.191	5.222	0.001
SNB-D4	SNB-DE51	23.32	7.356	-7.462	7.356	7.221	1.825	-5.531	-7.462	0.001
SNB-D4	SNB-DE52	23.35	2.208	-7.472	-2.211	-5.554	-7.472	-1.693	2.208	0.002
SNB-D4	SNB-DE6P	22.45	7.183	-5.191	5.223	7.183	5.592	-1.720	-5.191	0.001
SNB-D4	SNB-DE61	23.42	2.205	-7.494	2.205	-1.704	-7.494	-5.565	-2.214	-0.001
SNB-D4	SNB-DE62	23.31	7.361	-7.461	-7.461	-5.540	1.809	7.219	7.361	0.005
SNB-D5	SNB-DF1P	24.25	7.761	-4.012	-4.012	0.343	7.761	7.542	4.607	0.255
SNB-D5	SNB-DF11	27.03	8.651	-8.471	8.651	7.534	0.412	-7.169	-8.471	0.254
SNB-D5	SNB-DF12	23.27	4.560	-7.446	-3.952	-7.173	-7.446	0.344	4.560	0.257
SNB-D5	SNB-DF2P	24.18	7.736	-4.013	4.605	7.529	7.736	0.332	-4.013	0.254
SNB-D5	SNB-DF21	23.34	4.558	-7.469	4.558	0.330	-7.469	-7.184	-3.955	0.254
SNB-D5	SNB-DF22	27.05	8.655	-8.468	-8.468	-7.176	0.396	7.528	8.655	0.258
SNB-D5	SNB-DF3P	24.96	7.987	-4.045	-4.045	0.400	7.987	7.748	4.729	0.296
SNB-D5	SNB-DF31	27.83	8.905	-8.637	8.905	7.748	0.416	-7.337	-8.637	0.294
SNB-D5	SNB-DF32	23.67	4.716	-7.576	-4.073	-7.340	-7.576	0.409	4.716	0.299
SNB-D5	SNB-DF4P	24.88	7.963	-4.048	4.727	7.734	7.963	0.389	-4.048	0.294
SNB-D5	SNB-DF41	23.74	4.715	-7.595	4.715	0.398	-7.595	-7.349	-4.074	0.297
SNB-D5	SNB-DF42	27.84	8.910	-8.634	-8.634	-7.344	0.397	7.741	8.910	0.298
SNB-D6	SNB-DG1P	28.12	8.998	-4.830	-4.830	0.293	8.998	8.607	5.140	0.123
SNB-D6	SNB-DG11	31.56	9.979	-10.098	9.979	8.602	0.217	-8.593	-10.098	0.123
SNB-D6	SNB-DG12	27.80	5.253	-8.896	-4.864	-8.594	-8.896	0.300	5.253	0.127
SNB-D6	SNB-DG2P	28.05	8.975	-4.831	5.139	8.594	8.975	0.282	-4.831	0.122
SNB-D6	SNB-DG21	27.87	5.251	-8.919	5.251	0.287	-8.919	-8.605	-4.866	0.125
SNB-D6	SNB-DG22	31.55	9.982	-10.095	-10.095	-8.600	0.200	8.596	9.982	0.127
SNB-D6	SNB-DG3P	29.96	9.587	-4.691	-4.691	0.595	9.587	9.202	5.581	0.379
SNB-D6	SNB-DG31	33.19	10.621	-10.234	10.621	9.198	0.420	-8.742	-10.234	0.377
SNB-D6	SNB-DG32	27.93	5.704	-8.938	-4.901	-8.742	-8.938	0.603	5.704	0.382
SNB-D6	SNB-DG4P	29.88	9.563	-4.694	5.579	9.189	9.563	0.583	-4.694	0.376
SNB-D6	SNB-DG41	28.00	5.703	-8.959	5.703	0.591	-8.959	-8.752	-4.902	0.380
SNB-D6	SNB-DG42	33.20	10.624	-10.231	-10.231	-8.749	0.403	9.191	10.624	0.380
SNB-D6	SNB-DH1P	26.25	8.399	-5.986	-5.986	-0.680	8.399	8.065	4.522	-0.769

SNB-D6	SNB-DH11	35.61	9.442	-11.394	9.442	8.062	-0.570	-9.776	-11.394	-0.769
SNB-D6	SNB-DH12	31.90	4.471	-10.208	-5.866	-9.776	-10.208	-0.672	4.471	-0.765
SNB-D6	SNB-DH2P	26.18	8.376	-5.987	4.521	8.054	8.376	-0.691	-5.987	-0.770
SNB-D6	SNB-DH21	31.97	4.469	-10.231	4.469	-0.685	-10.231	-9.787	-5.868	-0.767
SNB-D6	SNB-DH22	35.60	9.445	-11.392	-11.392	-9.783	-0.586	8.055	9.445	-0.766
SNB-D6	SNB-DH3P	34.99	11.196	-3.887	-3.887	1.782	11.196	10.470	6.567	1.270
SNB-D6	SNB-DH31	37.85	12.111	-10.020	12.111	10.466	1.071	-8.533	-10.020	1.269
SNB-D6	SNB-DH32	26.68	7.170	-8.539	-4.534	-8.533	-8.539	1.789	7.170	1.273
SNB-D6	SNB-DH4P	34.92	11.173	-3.889	6.565	10.458	11.173	1.770	-3.889	1.268
SNB-D6	SNB-DH41	26.75	7.169	-8.560	7.169	1.778	-8.560	-8.542	-4.535	1.272
SNB-D6	SNB-DH42	37.86	12.114	-10.018	-10.018	-8.540	1.055	10.459	12.114	1.272
SNB-D7	SNB-DI1P	49.90	1.692	-15.969	-15.969	-9.533	1.692	1.183	-3.271	-9.628
SNB-D7	SNB-DI11	70.40	2.959	-22.527	2.959	1.180	-9.587	-20.652	-22.527	-9.628
SNB-D7	SNB-DI12	65.92	0.000	-21.095	-16.013	-20.652	-21.095	-9.524	-3.212	-9.623
SNB-D7	SNB-DI2P	49.91	1.667	-15.970	-3.272	1.172	1.667	-9.546	-15.970	-9.629
SNB-D7	SNB-DI21	66.00	0.000	-21.120	-3.214	-9.538	-21.120	-20.663	-16.015	-9.626
SNB-D7	SNB-DI22	70.39	2.962	-22.524	-22.524	-20.659	-9.602	1.173	2.962	-9.624
SNB-D7	SNB-DI3P	63.39	20.283	0.000	2.050	8.821	20.283	19.513	14.915	8.431
SNB-D7	SNB-DI31	66.97	21.430	-5.020	21.430	19.509	8.405	-3.101	-5.020	8.431
SNB-D7	SNB-DI32	47.93	15.336	-3.443	1.727	-3.100	-3.443	8.829	15.336	8.436
SNB-D7	SNB-DI4P	63.31	20.259	0.000	14.913	19.502	20.259	8.807	2.048	8.429
SNB-D7	SNB-DI41	47.92	15.335	-3.467	15.335	8.816	-3.467	-3.110	1.725	8.434
SNB-D7	SNB-DI42	66.98	21.433	-5.017	-5.017	-3.107	8.392	19.503	21.433	8.434
SNB-L1	SNB-LA1P	0.94	0.000	-1.135	-0.495	-0.874	-1.135	-0.563	-0.133	-0.319
SNB-L1	SNB-LA11	1.08	0.794	-1.308	-1.308	-0.899	0.214	0.794	0.647	-0.337
SNB-L1	SNB-LA12	0.68	0.403	-0.819	0.222	0.403	0.195	-0.496	-0.819	-0.302
SNB-L1	SNB-LA2P	3.16	0.000	-3.827	-0.651	-2.261	-3.827	-2.076	-0.433	-0.551
SNB-L1	SNB-LA21	2.77	2.601	-3.348	-3.348	-2.175	1.011	2.601	2.173	-0.599
SNB-L1	SNB-LA22	2.69	2.744	-3.255	2.255	2.744	1.228	-2.016	-3.255	-0.505
SNB-L1	SNB-LA3P	6.94	0.000	-8.400	-0.860	-4.593	-8.400	-4.559	-0.816	-0.851
SNB-L1	SNB-LA31	5.99	6.382	-7.246	-7.246	-4.586	2.720	6.382	5.451	-0.915
SNB-L1	SNB-LA32	5.99	6.679	-7.249	5.714	6.679	2.960	-4.518	-7.249	-0.776
SNB-L1	SNB-LA4P	11.26	0.000	-13.622	-1.169	-7.340	-13.622	-7.199	-0.999	-1.098
SNB-L1	SNB-LA41	10.06	11.516	-12.171	-12.171	-7.526	5.201	11.516	9.883	-1.167
SNB-L1	SNB-LA42	9.58	11.215	-11.582	9.599	11.215	5.209	-7.069	-11.582	-1.002
SNB-L2	SNB-LB1P	11.30	0.000	-20.206	-1.621	-10.759	-20.206	-10.829	-1.694	-1.679
SNB-L2	SNB-LB11	9.83	16.542	-17.578	-17.578	-10.833	7.550	16.542	14.146	-1.746
SNB-L2	SNB-LB12	9.72	16.656	-17.381	14.284	16.656	7.669	-10.666	-17.381	-1.566
SNB-L2	SNB-LB2P	15.02	0.000	-26.858	-1.916	-14.176	-26.858	-14.194	-1.928	-1.948
SNB-L2	SNB-LB21	13.03	22.552	-23.301	-23.301	-14.236	10.484	22.552	19.352	-2.007
SNB-L2	SNB-LB22	12.92	22.707	-23.111	19.511	22.707	10.654	-14.052	-23.111	-1.821
SNB-L2	SNB-LB3P	19.17	0.000	-34.292	-2.234	-17.982	-34.292	-17.995	-2.241	-2.265
SNB-L2	SNB-LB31	16.59	29.216	-29.670	-29.670	-18.032	13.726	29.216	25.121	-2.312
SNB-L2	SNB-LB32	16.49	29.392	-29.499	25.297	29.392	13.907	-17.859	-29.499	-2.126
SNB-L2	SNB-LB4P	23.54	0.000	-42.104	-2.540	-21.962	-42.104	-21.985	-2.557	-2.580
SNB-L2	SNB-LB41	20.32	36.238	-36.346	-36.346	-21.992	17.166	36.238	31.195	-2.615
SNB-L2	SNB-LB42	20.34	36.385	-36.161	31.347	36.385	17.328	-21.814	-36.161	-2.433
SNB-L2	SNB-LC1P	29.14	0.000	-52.119	-3.063	-27.138	-52.119	-27.156	-3.076	-3.107
SNB-L2	SNB-LC11	25.21	45.086	-44.980	-44.980	-27.157	21.450	45.086	38.824	-3.125
SNB-L2	SNB-LC12	25.29	45.235	-44.810	38.976	45.235	21.609	-26.991	-44.810	-2.952
SNB-L2	SNB-LC2P	37.31	0.000	-66.732	-3.844	-34.704	-66.732	-34.715	-3.850	-3.877
SNB-L2	SNB-LC21	32.39	57.930	-57.528	-57.528	-34.703	27.610	57.930	49.913	-3.875
SNB-L2	SNB-LC22	32.48	58.087	-57.367	50.069	58.087	27.771	-34.544	-57.367	-3.705
SNB-L2	SNB-LC3P	43.80	0.000	-78.333	-3.939	-40.427	-78.333	-40.418	-3.922	-3.964
SNB-L2	SNB-LC31	38.62	69.067	-67.372	-67.372	-40.375	33.286	69.067	59.600	-3.944
SNB-L2	SNB-LC32	38.71	69.231	-67.227	59.757	69.231	33.459	-40.220	-67.227	-3.784
SNB-L3	SNB-LD1P	55.80	0.000	-91.926	-4.658	-47.433	-91.926	-47.426	-4.643	-4.696
SNB-L3	SNB-LD11	49.12	80.917	-79.032	-79.032	-47.369	39.005	80.917	69.836	-4.659
SNB-L3	SNB-LD12	49.22	81.074	-78.889	69.987	81.074	39.171	-47.217	-78.889	-4.503
SNB-L3	SNB-LD2P	65.85	0.000	-108.480	-5.526	-55.976	-108.480	-55.988	-5.533	-5.550
SNB-L3	SNB-LD21	58.00	95.541	-93.276	-93.276	-55.926	46.046	95.541	82.460	-5.496
SNB-L3	SNB-LD22	58.09	95.685	-93.126	82.604	95.685	46.193	-55.779	-93.126	-5.339
SNB-L3	SNB-LD3P	73.68	0.000	-121.370	-5.579	-62.285	-121.370	-62.299	-5.588	-5.602
SNB-L3	SNB-LD31	65.57	108.009	-104.242	-104.242	-62.220	52.440	108.009	93.312	-5.535
SNB-L3	SNB-LD32	65.65	108.141	-104.092	93.446	108.141	52.583	-62.072	-104.092	-5.384
SNB-L4	SNB-LE1P	44.88	0.000	-138.311	-6.502	-71.002	-138.311	-71.011	-6.504	-6.555
SNB-L4	SNB-LE11	39.77	122.542	-118.722	-118.722	-70.917	59.445	122.542	105.882	-6.476
SNB-L4	SNB-LE12	39.81	122.680	-118.578	106.020	122.680	59.593	-70.772	-118.578	-6.327
SNB-L4	SNB-LE2P	51.26	0.000	-157.952	-7.524	-81.107	-157.952	-81.113	-7.524	-7.545
SNB-L4	SNB-LE21	45.37	139.821	-135.572	-135.572	-81.023	67.809	139.821	120.809	-7.456
SNB-L4	SNB-LE22	45.42	139.962	-135.430	120.948	139.962	67.955	-80.880	-135.430	-7.308
SNB-L4	SNB-LE3P	55.62	0.000	-171.382	-7.653	-87.691	-171.382	-87.694	-7.651	-7.667
SNB-L4	SNB-LE31	49.53	152.630	-146.980	-146.980	-87.601	74.367	152.630	131.961	-7.574
SNB-L4	SNB-LE32	49.57	152.765	-146.844	132.095	152.765	74.509	-87.462	-146.844	-7.431

SNB-L4	SNB-LF1P	61.97	0.000	-190.970	-9.351	-98.096	-190.970	-98.100	-9.350	-9.306
SNB-L4	SNB-LF11	54.70	168.544	-163.811	-163.811	-97.995	81.710	168.544	145.622	-9.210
SNB-L4	SNB-LF12	54.74	168.674	-163.680	145.750	168.674	81.847	-97.863	-163.680	-9.074
SNB-L4	SNB-LF2P	68.78	0.000	-211.954	-10.146	-108.660	-211.954	-108.663	-10.145	-10.102
SNB-L4	SNB-LF21	60.78	187.290	-181.669	-181.669	-108.560	91.013	187.290	161.889	-10.006
SNB-L4	SNB-LF22	60.82	187.413	-181.545	162.011	187.413	91.143	-108.433	-181.545	-9.877
SNB-L5	SNB-LG1P	63.63	0.000	-234.554	-11.535	-120.285	-234.554	-120.289	-11.534	-11.478
SNB-L5	SNB-LG11	55.98	206.374	-200.949	-200.949	-120.188	100.228	206.374	178.391	-11.384
SNB-L5	SNB-LG12	56.02	206.490	-200.833	178.505	206.490	100.351	-120.068	-200.833	-11.263
SNB-L5	SNB-LG2P	70.01	0.000	-258.068	-12.687	-132.222	-258.068	-132.225	-12.685	-12.628
SNB-L5	SNB-LG21	61.52	226.786	-220.956	-220.956	-132.128	110.253	226.786	196.085	-12.537
SNB-L5	SNB-LG22	61.55	226.896	-220.845	196.194	226.896	110.370	-132.014	-220.845	-12.422
SNB-L5	SNB-LH1P	76.07	0.000	-280.418	-13.099	-143.196	-280.418	-143.198	-13.098	-13.017
SNB-L5	SNB-LH11	67.15	247.536	-239.837	-239.837	-143.106	120.828	247.536	214.175	-12.930
SNB-L5	SNB-LH12	67.18	247.640	-239.731	214.279	247.640	120.938	-142.998	-239.731	-12.821
SNB-L5	SNB-LH2P	82.98	0.000	-305.906	-16.331	-157.127	-305.906	-157.128	-16.330	-16.241
SNB-L5	SNB-LH21	72.08	265.697	-261.789	-261.789	-157.039	128.721	265.697	229.655	-16.157
SNB-L5	SNB-LH22	72.10	265.796	-261.688	229.754	265.796	128.824	-156.937	-261.688	-16.053
SNB-L6	SNB-LI1P	68.86	0.000	-319.289	-6.171	-158.235	-319.289	-158.234	-6.170	-6.115
SNB-L6	SNB-LI11	64.33	298.276	-271.383	-271.383	-158.151	150.593	298.276	259.447	-6.035
SNB-L6	SNB-LI12	64.35	298.370	-271.287	259.541	298.370	150.687	-158.055	-271.287	-5.937
SNB-L6	SNB-LI2P	78.71	0.000	-364.952	-26.692	-190.805	-364.952	-190.801	-26.691	-26.586
SNB-L6	SNB-LI21	67.50	301.901	-312.996	-312.996	-190.724	142.666	301.901	260.062	-26.510
SNB-L6	SNB-LI22	67.48	301.990	-312.904	260.151	301.990	142.750	-190.635	-312.904	-26.417
Connect	Connect AP	0.00	0.528	-0.005	0.128	0.344	0.528	0.229	-0.005	0.063
Connect	Connect A1	0.00	0.166	0.000	0.160	0.166	0.147	0.019	0.000	0.082
Connect	Connect A2	0.00	0.315	-0.267	-0.221	-0.267	-0.075	0.199	0.315	0.047
Connect	Connect AaP	0.00	0.327	-0.040	-0.040	0.097	0.327	0.279	0.172	0.069
Connect	Connect Aa1	0.00	0.940	-0.948	0.940	0.580	-0.409	-0.948	-0.821	0.062
Connect	Connect Aa2	0.00	0.301	-0.172	-0.172	-0.138	0.086	0.272	0.301	0.066
Connect	Connect AbP	0.00	0.794	-0.243	0.384	0.693	0.794	0.151	-0.243	0.073
Connect	Connect Ab1	0.00	0.291	-0.158	0.291	0.249	0.060	-0.139	-0.158	0.068
Connect	Connect Ab2	0.00	0.621	-0.693	-0.481	-0.693	-0.487	0.259	0.621	0.073
Connect	Connect AcP	0.00	0.462	-0.034	-0.034	0.162	0.462	0.359	0.188	0.079
Connect	Connect Ac1	0.00	0.629	-0.578	0.629	0.389	-0.242	-0.578	-0.487	0.074
Connect	Connect Ac2	0.00	0.179	0.000	0.026	0.075	0.179	0.168	0.132	0.081
Connect	Connect BP	0.00	0.182	-0.194	0.182	0.001	-0.194	-0.101	0.060	0.126
Connect	Connect B1	0.00	0.695	-0.341	-0.341	-0.109	0.503	0.695	0.581	0.123
Connect	Connect B2	0.00	0.336	-0.057	0.306	0.336	0.281	0.029	-0.057	0.128
Connect	Connect BaP	0.00	0.356	0.000	0.062	0.187	0.356	0.253	0.135	0.101
Connect	Connect Ba1	0.00	0.300	-0.146	0.300	0.205	-0.021	-0.146	-0.110	0.097
Connect	Connect Ba2	0.00	0.268	-0.082	-0.069	-0.082	0.046	0.213	0.268	0.101
Connect	Connect BbP	0.00	0.860	0.000	0.128	0.491	0.860	0.481	0.110	0.117
Connect	Connect Bb1	0.00	0.775	-0.636	0.775	0.517	-0.213	-0.636	-0.555	0.114
Connect	Connect Bb2	0.00	0.787	-0.653	-0.561	-0.653	-0.228	0.523	0.787	0.117
Connect	Connect BcP	0.00	0.428	0.000	0.161	0.278	0.428	0.301	0.177	0.180
Connect	Connect Bc1	0.00	0.284	0.000	0.284	0.227	0.122	0.068	0.082	0.180
Connect	Connect Bc2	0.00	0.280	0.000	0.093	0.081	0.132	0.231	0.280	0.183
Connect	Connect CP	0.01	1.211	0.000	0.372	0.798	1.211	0.787	0.359	0.362
Connect	Connect C1	0.00	1.129	-0.552	1.129	0.821	-0.059	-0.552	-0.441	0.358
Connect	Connect C2	0.00	1.140	-0.577	-0.454	-0.577	-0.066	0.833	1.140	0.358
Connect	Connect CaP	0.00	0.803	0.000	0.264	0.512	0.803	0.541	0.286	0.286
Connect	Connect Ca1	0.00	0.732	-0.217	0.732	0.540	0.040	-0.217	-0.164	0.285
Connect	Connect Ca2	0.00	0.723	-0.203	-0.153	-0.203	0.049	0.541	0.723	0.285
Connect	Connect CbP	0.00	0.686	0.000	0.345	0.517	0.686	0.488	0.303	0.333
Connect	Connect Cb1	0.00	0.521	0.000	0.521	0.429	0.214	0.107	0.140	0.334
Connect	Connect Cb2	0.00	0.541	0.000	0.118	0.065	0.172	0.430	0.541	0.334
Connect	Connect DP	0.01	1.249	0.000	0.623	0.935	1.249	0.946	0.636	0.633
Connect	Connect D1	0.01	1.353	-0.237	1.353	1.067	0.231	-0.237	-0.141	0.629
Connect	Connect D2	0.01	1.266	-0.143	-0.057	-0.143	0.297	1.032	1.266	0.626
Connect	Connect DaP	0.00	0.853	0.000	0.391	0.615	0.853	0.583	0.344	0.388
Connect	Connect Da1	0.00	0.627	0.000	0.627	0.501	0.232	0.127	0.163	0.391
Connect	Connect Da2	0.00	0.651	0.000	0.138	0.081	0.181	0.501	0.651	0.392
Connect	Connect DbP	0.01	1.628	0.000	0.427	1.015	1.628	1.039	0.445	0.429
Connect	Connect Db1	0.01	1.495	-0.818	1.495	1.060	-0.170	-0.818	-0.664	0.429
Connect	Connect Db2	0.01	1.488	-0.806	-0.655	-0.806	-0.164	1.061	1.488	0.430
Connect	Connect EP	0.01	3.364	0.000	0.768	2.034	3.364	2.029	0.759	0.801
Connect	Connect E1	0.01	3.025	-1.806	3.025	2.075	-0.526	-1.806	-1.492	0.799
Connect	Connect E2	0.01	3.029	-1.823	-1.500	-1.823	-0.530	2.083	3.029	0.798
Connect	Connect EaP	0.00	0.575	-0.420	0.544	0.058	-0.420	0.072	0.552	0.575
Connect	Connect Ea1	0.01	1.724	-0.427	-0.427	-0.027	1.132	1.724	1.574	0.579
Connect	Connect Ea2	0.01	1.729	-0.427	1.580	1.729	1.137	-0.021	-0.427	0.582
Connect	Connect EbP	0.00	0.608	-0.768	0.608	-0.047	-0.768	-0.047	0.606	0.569
Connect	Connect Eb1	0.01	1.710	-0.481	-0.481	0.023	1.233	1.710	1.555	0.572

Connect	Connect Eb2	0.01	1.706	-0.478	1.555	1.706	1.237	0.031	-0.478	0.574
Connect	Connect FP	0.00	0.780	0.000	0.636	0.444	0.331	0.448	0.638	0.780
Connect	Connect F1	0.01	1.355	0.000	0.324	0.419	0.953	1.355	1.247	0.782
Connect	Connect F2	0.01	1.353	0.000	1.247	1.353	0.958	0.424	0.323	0.782
Connect	Connect FaP	0.01	1.260	0.000	0.873	1.117	1.260	1.121	0.872	0.751
Connect	Connect Fa1	0.01	1.235	-0.038	1.235	1.132	0.482	-0.038	0.101	0.753
Connect	Connect Fa2	0.01	1.236	-0.040	0.101	-0.040	0.476	1.132	1.236	0.754
Connect	Connect GP	0.01	2.503	0.000	0.529	1.405	2.503	1.408	0.530	0.770
Connect	Connect G1	0.01	2.159	-0.693	2.159	1.402	-0.194	-0.693	-0.576	0.772
Connect	Connect G2	0.01	2.159	-0.695	-0.577	-0.695	-0.194	1.403	2.159	0.772
Connect	Connect GaP	0.01	1.597	0.000	0.917	1.336	1.597	1.337	0.917	0.734
Connect	Connect Ga1	0.01	1.529	-0.534	1.529	1.338	0.273	-0.534	-0.308	0.734
Connect	Connect Ga2	0.01	1.530	-0.536	-0.308	-0.536	0.271	1.340	1.530	0.734
Connect	Connect HP	0.01	1.348	0.000	1.051	1.024	1.207	1.025	1.051	1.348
Connect	Connect H1	0.01	1.766	0.000	1.136	1.023	1.301	1.766	1.625	1.349
Connect	Connect H2	0.01	1.765	0.000	1.625	1.765	1.302	1.024	1.136	1.348
Connect	Connect HaP	0.01	2.190	0.000	1.035	1.686	2.190	1.686	1.035	0.840
Connect	Connect Ha1	0.01	2.044	-0.917	2.044	1.686	0.132	-0.917	-0.625	0.840
Connect	Connect Ha2	0.01	2.045	-0.917	-0.626	-0.917	0.131	1.687	2.045	0.841
Connect	Connect IP	0.03	7.816	0.000	4.858	6.186	7.816	6.186	4.858	5.128
Connect	Connect I1	0.03	7.300	0.000	7.300	6.186	3.659	2.772	2.986	5.128
Connect	Connect I2	0.03	7.300	0.000	2.987	2.772	3.662	6.188	7.300	5.129
Connect	Connect IaP	0.00	0.589	-0.945	-0.854	-0.112	0.589	-0.112	-0.853	-0.945
Connect	Connect Ia1	0.01	0.375	-2.690	0.375	-0.112	-1.754	-2.690	-2.437	-0.945
Connect	Connect Ia2	0.01	0.376	-2.690	-2.437	-2.690	-1.753	-0.111	0.376	-0.944
SNB-H1	SNB-H1P	0.25	0.295	-0.204	-0.204	-0.075	0.219	0.295	0.227	0.012
SNB-H1	SNB-H11	0.27	0.319	-0.259	-0.259	-0.144	0.190	0.319	0.276	0.008
SNB-H1	SNB-H12	0.12	0.136	-0.146	0.136	0.084	-0.054	-0.146	-0.132	0.002
SNB-H1	SNB-H2P	0.23	0.268	-0.241	-0.241	-0.174	0.088	0.268	0.267	0.015
SNB-H1	SNB-H21	0.32	0.383	-0.280	-0.280	-0.134	0.249	0.383	0.312	0.015
SNB-H1	SNB-H22	0.21	0.178	-0.245	0.178	0.045	-0.202	-0.245	-0.156	0.014
SNB-H1	SNB-H3P	0.84	0.995	-0.561	0.888	0.995	0.564	-0.267	-0.561	0.167
SNB-H1	SNB-H31	0.56	0.168	-0.660	0.134	-0.271	-0.660	-0.240	0.168	0.164
SNB-H1	SNB-H32	0.82	0.973	-0.555	-0.555	-0.274	0.538	0.973	0.876	0.165
SNB-H1	SNB-H4P	1.82	2.157	-1.239	1.964	2.157	1.201	-0.608	-1.239	0.375
SNB-H1	SNB-H41	1.23	0.386	-1.453	0.386	-0.508	-1.453	-0.565	0.319	0.369
SNB-H1	SNB-H42	1.83	2.164	-1.233	-1.233	-0.587	1.233	2.164	1.951	0.371
SNB-H2	SNB-H5P	1.82	3.246	-2.039	2.888	3.246	1.843	-1.005	-2.039	0.452
SNB-H2	SNB-H51	1.37	0.446	-2.448	0.404	-0.998	-2.448	-0.986	0.418	0.446
SNB-H2	SNB-H52	1.81	3.233	-2.038	-2.038	-1.012	1.827	3.233	2.879	0.448
SNB-H2	SNB-H6P	0.53	0.953	-0.657	0.884	0.953	0.728	-0.181	-0.657	0.226
SNB-H2	SNB-H61	0.49	0.316	-0.881	0.316	-0.213	-0.881	-0.214	0.314	0.223
SNB-H2	SNB-H62	0.53	0.954	-0.660	-0.660	-0.183	0.729	0.954	0.884	0.224
SNB-H2	SNB-H7P	0.13	0.156	-0.232	-0.118	-0.232	0.131	0.156	-0.069	0.089
SNB-H2	SNB-H71	0.15	0.262	-0.189	0.262	0.151	-0.189	0.151	0.262	0.088
SNB-H2	SNB-H72	0.13	0.156	-0.232	-0.069	0.156	0.131	-0.232	-0.118	0.088
SNB-H2	SNB-H8P	0.79	1.415	0.000	0.396	0.193	0.873	1.415	1.333	1.082
SNB-H2	SNB-H81	0.79	1.415	0.000	1.295	1.414	1.271	1.415	1.295	1.082
SNB-H2	SNB-H82	0.79	1.416	0.000	1.333	1.416	0.875	0.193	0.397	1.082
SNB-H2	SNB-H9P	5.70	10.196	0.000	9.946	9.826	10.196	10.175	9.917	10.131
SNB-H2	SNB-H91	5.77	10.314	0.000	10.314	10.175	9.780	10.175	10.314	10.131
SNB-H2	SNB-H92	5.70	10.196	0.000	9.917	10.175	10.196	9.827	9.946	10.131


Graph of Elevation vs. Twist
Elevation (ft)
180
160
140
120
100
80
60
40
20
0
W+I -90 deg
W+I -60 deg
W+I 0 deg
W+I 60 deg
W+I 90 deg
DL + Ice Only
-0.05
0.00
0.05
0.10
Twist per TIA/EIA 222-F (deg)



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	0.42
40.00	-0.00	0.18	0.84
50.00	-0.00	0.21	1.24
60.00	-0.00	0.28	1.86
70.00	-0.00	0.31	2.47
80.00	-0.00	0.38	3.29
86.66	-0.00	0.41	3.85
93.34	-0.01	0.45	4.47
100.00	-0.01	0.48	5.15
106.66	-0.01	0.52	5.86
113.34	-0.01	0.57	6.66
120.00	-0.01	0.60	7.50

126.66	-0.01	0.64	8.39
133.34	-0.01	0.68	9.35
140.00	-0.01	0.69	10.31
145.00	-0.01	0.73	11.08
150.00	-0.01	0.73	11.85
155.00	-0.00	0.74	12.62
160.00	-0.00	0.75	13.41
165.00	-0.00	0.76	14.20
170.00	-0.00	0.76	15.00
175.00	0.00	0.77	15.80
180.00	0.00	0.77	16.61

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	0.00	0.28	1.85
70.00	0.00	0.31	2.45
80.00	0.00	0.37	3.26
86.66	0.00	0.41	3.82
93.34	0.00	0.44	4.44
100.00	0.01	0.48	5.11
106.66	0.01	0.51	5.82
113.34	0.01	0.57	6.62
120.00	0.01	0.60	7.45
126.66	0.01	0.64	8.34
133.34	0.02	0.67	9.29
140.00	0.02	0.69	10.25
145.00	0.02	0.72	11.01
150.00	0.03	0.73	11.78
155.00	0.03	0.74	12.54
160.00	0.03	0.75	13.33
165.00	0.04	0.76	14.12
170.00	0.04	0.76	14.91
175.00	0.05	0.76	15.72
180.00	0.05	0.76	16.51

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	0.07	0.23
30.00	0.00	0.12	0.43
40.00	0.01	0.18	0.85
50.00	0.01	0.22	1.27
60.00	0.01	0.28	1.90
70.00	0.01	0.32	2.52
80.00	0.01	0.38	3.35
86.66	0.02	0.42	3.93
93.34	0.02	0.45	4.57
100.00	0.02	0.49	5.25
106.66	0.02	0.53	5.98
113.34	0.03	0.58	6.80
120.00	0.03	0.61	7.65
126.66	0.04	0.65	8.56
133.34	0.04	0.69	9.53
140.00	0.05	0.70	10.51
145.00	0.05	0.74	11.29
150.00	0.06	0.75	12.08
155.00	0.07	0.75	12.86

160.00	0.08	0.77	13.66
165.00	0.08	0.77	14.47
170.00	0.09	0.78	15.28
175.00	0.10	0.78	16.10
180.00	0.10	0.78	16.92

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	0.01	0.21	1.23
60.00	0.01	0.28	1.85
70.00	0.01	0.31	2.45
80.00	0.01	0.37	3.26
86.66	0.01	0.41	3.82
93.34	0.01	0.44	4.44
100.00	0.02	0.47	5.11
106.66	0.02	0.51	5.82
113.34	0.02	0.57	6.62
120.00	0.02	0.60	7.45
126.66	0.02	0.64	8.34
133.34	0.03	0.67	9.29
140.00	0.03	0.69	10.24
145.00	0.03	0.72	11.00
150.00	0.04	0.73	11.77
155.00	0.04	0.73	12.53
160.00	0.04	0.75	13.32
165.00	0.04	0.75	14.11
170.00	0.05	0.76	14.91
175.00	0.05	0.76	15.70
180.00	0.05	0.76	16.50

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	0.42
40.00	0.00	0.18	0.84
50.00	0.00	0.21	1.24
60.00	0.00	0.28	1.86
70.00	0.00	0.31	2.47
80.00	0.00	0.37	3.28
86.66	0.00	0.41	3.85
93.34	0.01	0.45	4.47
100.00	0.01	0.48	5.15
106.66	0.01	0.52	5.85
113.34	0.01	0.57	6.66
120.00	0.01	0.60	7.49
126.66	0.01	0.64	8.39
133.34	0.01	0.68	9.34
140.00	0.01	0.69	10.30
145.00	0.01	0.73	11.07
150.00	0.01	0.73	11.84
155.00	0.00	0.74	12.61
160.00	0.00	0.75	13.40
165.00	0.00	0.76	14.19
170.00	0.00	0.76	14.99
175.00	-0.00	0.76	15.79
180.00	-0.00	0.77	16.59

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	0.00
120.00	0.00	0.00	0.00
126.66	0.00	-0.00	0.00
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	0.01
175.00	0.00	-0.00	0.01
180.00	0.00	-0.00	0.01

*** 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	-0.0002187	-1.384	-0.0877	0.0000	0.0000	0.0000	4.333	-1.384	179.9
RohnBP	-0.0008076	-1.118	-0.07789	0.0000	0.0000	0.0000	5.12	-1.118	159.9
RohnCP	-0.001404	-0.8598	-0.06779	0.0000	0.0000	0.0000	5.908	-0.8598	139.9
RohnDP	-0.001969	-0.6256	-0.0576	0.0000	0.0000	0.0000	6.693	-0.6256	119.9
RohnEP	-0.00249	-0.4297	-0.04739	0.0000	0.0000	0.0000	7.479	-0.4297	99.95
RohnFP	-0.002974	-0.2744	-0.03771	0.0000	0.0000	0.0000	8.265	-0.2744	79.96
RohnGP	-0.003412	-0.1554	-0.02823	0.0000	0.0000	0.0000	9.052	-0.1554	59.97
RohnHP	-0.003754	-0.06995	-0.01891	0.0000	0.0000	0.0000	9.837	-0.06995	39.98
RohnIP	-0.003662	-0.0191	-0.009452	0.0000	0.0000	0.0000	10.63	-0.0191	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.0005695	-1.384	-0.08195	0.0000	0.0000	0.0000	2.334	-1.384	179.9
SNB-BP	-1.982e-005	-1.118	-0.07226	0.0000	0.0000	0.0000	3.121	-1.118	159.9
SNB-CP	-0.0006168	-0.8601	-0.06258	0.0000	0.0000	0.0000	3.907	-0.8601	139.9
SNB-DP	-0.001184	-0.626	-0.05302	0.0000	0.0000	0.0000	4.694	-0.626	119.9
SNB-EP	-0.001707	-0.4293	-0.04362	0.0000	0.0000	0.0000	5.479	-0.4293	99.96
SNB-FP	-0.002192	-0.2741	-0.03475	0.0000	0.0000	0.0000	6.266	-0.2741	79.97
SNB-GP	-0.00263	-0.1545	-0.02596	0.0000	0.0000	0.0000	7.052	-0.1545	59.97
SNB-HP	-0.002973	-0.06946	-0.01733	0.0000	0.0000	0.0000	7.838	-0.06946	39.98
SNB-IP	-0.002881	-0.01833	-0.008645	0.0000	0.0000	0.0000	8.625	-0.01833	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.002546	-1.382	-0.137	0.0000	0.0000	0.0000	-2.164	-5.135	179.9
RohnA2	0.002041	-1.386	-0.03827	0.0000	0.0000	0.0000	-2.164	2.367	180
RohnB1	0.001861	-1.115	-0.1346	0.0000	0.0000	0.0000	-2.559	-5.55	159.9
RohnB2	0.002461	-1.119	-0.0209	0.0000	0.0000	0.0000	-2.558	3.316	160
RohnC1	0.00107	-0.8571	-0.1284	0.0000	0.0000	0.0000	-2.953	-5.974	139.9
RohnC2	0.003003	-0.8619	-0.00691	0.0000	0.0000	0.0000	-2.951	4.255	140
RohnD1	0.0007388	-0.6228	-0.1178	0.0000	0.0000	0.0000	-3.347	-6.421	119.9
RohnD2	0.003141	-0.628	0.002889	0.0000	0.0000	0.0000	-3.344	5.17	120
RohnE1	0.001038	-0.4262	-0.1009	0.0000	0.0000	0.0000	-3.739	-6.905	99.9
RohnE2	0.002698	-0.4317	0.006362	0.0000	0.0000	0.0000	-3.738	6.047	100
RohnF1	0.001213	-0.2709	-0.08406	0.0000	0.0000	0.0000	-4.133	-7.431	79.92
RohnF2	0.002574	-0.2767	0.008835	0.0000	0.0000	0.0000	-4.131	6.884	80.01
RohnG1	0.001796	-0.1513	-0.06536	0.0000	0.0000	0.0000	-4.526	-7.993	59.93
RohnG2	0.00213	-0.1575	0.009036	0.0000	0.0000	0.0000	-4.525	7.684	60.01
RohnH1	0.001913	-0.06606	-0.04544	0.0000	0.0000	0.0000	-4.919	-8.589	39.95
RohnH2	0.002142	-0.07261	0.007725	0.0000	0.0000	0.0000	-4.918	8.45	40.01
RohnI1	0.002065	-0.01528	-0.02235	0.0000	0.0000	0.0000	-5.313	-9.221	19.98
RohnI2	0.001759	-0.02156	0.003493	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	0.001933	-1.383	-0.1088	0.0000	0.0000	0.0000	-1.165	-3.403	179.9
SNB-A2	0.001933	-1.385	-0.05498	0.0000	0.0000	0.0000	-1.165	0.6356	179.9
SNB-B1	0.001804	-1.116	-0.1073	0.0000	0.0000	0.0000	-1.559	-3.819	159.9
SNB-B2	0.001803	-1.119	-0.03704	0.0000	0.0000	0.0000	-1.559	1.584	160
SNB-C1	0.001631	-0.8585	-0.1037	0.0000	0.0000	0.0000	-1.952	-4.243	139.9
SNB-C2	0.00169	-0.8617	-0.02132	0.0000	0.0000	0.0000	-1.952	2.523	140
SNB-D1	0.001471	-0.6243	-0.09618	0.0000	0.0000	0.0000	-2.346	-4.69	119.9
SNB-D2	0.00161	-0.6279	-0.009686	0.0000	0.0000	0.0000	-2.346	3.438	120
SNB-E1	0.001399	-0.4274	-0.08297	0.0000	0.0000	0.0000	-2.739	-5.174	99.92
SNB-E2	0.00156	-0.4314	-0.004118	0.0000	0.0000	0.0000	-2.739	4.315	100
SNB-F1	0.00144	-0.272	-0.07122	0.0000	0.0000	0.0000	-3.133	-5.7	79.93
SNB-F2	0.001504	-0.2764	0.001853	0.0000	0.0000	0.0000	-3.132	5.152	80
SNB-G1	0.001506	-0.152	-0.05599	0.0000	0.0000	0.0000	-3.526	-6.262	59.94
SNB-G2	0.001511	-0.1569	0.004164	0.0000	0.0000	0.0000	-3.526	5.953	60
SNB-H1	0.001583	-0.06678	-0.03952	0.0000	0.0000	0.0000	-3.919	-6.857	39.96
SNB-H2	0.001548	-0.07205	0.004937	0.0000	0.0000	0.0000	-3.919	6.718	40
SNB-I1	0.001459	-0.01584	-0.01984	0.0000	0.0000	0.0000	-4.313	-7.488	19.98
SNB-I2	0.001463	-0.02083	0.002584	0.0000	0.0000	0.0000	-4.313	7.451	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.707	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.707	8.154	0
RohnAaS	-0.0003328	-1.317	-0.08527	0.0000	0.0000	0.0000	4.53	-1.317	174.9
RohnAbS	-0.0005184	-1.25	-0.08283	0.0000	0.0000	0.0000	4.726	-1.25	169.9
RohnAcS	-0.0006076	-1.184	-0.08037	0.0000	0.0000	0.0000	4.923	-1.184	164.9
RohnBaS	-0.0008999	-1.052	-0.07539	0.0000	0.0000	0.0000	5.317	-1.052	154.9
RohnBbS	-0.001117	-0.9877	-0.07292	0.0000	0.0000	0.0000	5.514	-0.9877	149.9

RohnBcS	-0.00118	-0.9236	-0.07038	0.0000	0.0000	0.0000	5.711	-0.9236	144.9
RohnCaS	-0.001503	-0.7797	-0.06442	0.0000	0.0000	0.0000	6.169	-0.7797	133.3
RohnCbS	-0.001669	-0.7002	-0.06099	0.0000	0.0000	0.0000	6.432	-0.7002	126.6
RohnDaS	-0.002026	-0.556	-0.05421	0.0000	0.0000	0.0000	6.955	-0.556	113.3
RohnDbS	-0.002171	-0.4888	-0.05076	0.0000	0.0000	0.0000	7.217	-0.4888	106.6
RohnEaS	-0.002574	-0.3736	-0.04416	0.0000	0.0000	0.0000	7.74	-0.3736	93.3
RohnEbS	-0.00271	-0.3214	-0.04091	0.0000	0.0000	0.0000	8.003	-0.3214	86.62
RohnFaS	-0.002822	-0.2061	-0.03292	0.0000	0.0000	0.0000	8.659	-0.2061	69.97
RohnGaS	-0.003276	-0.104	-0.02354	0.0000	0.0000	0.0000	9.445	-0.104	49.98
RohnHaS	-0.003844	-0.03532	-0.0142	0.0000	0.0000	0.0000	10.23	-0.03532	29.99
RohnIaS	-0.006157	-0.002155	-0.005028	0.0000	0.0000	0.0000	11.02	-0.002155	9.995
SNB-AaS	0.0004553	-1.317	-0.07953	0.0000	0.0000	0.0000	2.53	-1.317	174.9
SNB-AbS	0.0002696	-1.25	-0.07712	0.0000	0.0000	0.0000	2.727	-1.25	169.9
SNB-AcS	0.0001804	-1.183	-0.07468	0.0000	0.0000	0.0000	2.924	-1.183	164.9
SNB-BaS	-0.0001122	-1.052	-0.06983	0.0000	0.0000	0.0000	3.318	-1.052	154.9
SNB-BbS	-0.0003288	-0.9869	-0.06741	0.0000	0.0000	0.0000	3.514	-0.9869	149.9
SNB-BcS	-0.0003924	-0.9225	-0.06498	0.0000	0.0000	0.0000	3.711	-0.9225	144.9
SNB-CaS	-0.0007161	-0.778	-0.05936	0.0000	0.0000	0.0000	4.169	-0.778	133.3
SNB-CbS	-0.000883	-0.6993	-0.05615	0.0000	0.0000	0.0000	4.432	-0.6993	126.6
SNB-DaS	-0.00124	-0.5542	-0.04984	0.0000	0.0000	0.0000	4.955	-0.5542	113.3
SNB-DbS	-0.001387	-0.4878	-0.04669	0.0000	0.0000	0.0000	5.218	-0.4878	106.6
SNB-EaS	-0.001791	-0.3732	-0.04064	0.0000	0.0000	0.0000	5.741	-0.3732	93.3
SNB-EbS	-0.001928	-0.321	-0.03767	0.0000	0.0000	0.0000	6.004	-0.321	86.62
SNB-FaS	-0.00204	-0.2053	-0.0303	0.0000	0.0000	0.0000	6.659	-0.2053	69.97
SNB-GaS	-0.002495	-0.1037	-0.02161	0.0000	0.0000	0.0000	7.446	-0.1037	49.98
SNB-HaS	-0.003064	-0.03498	-0.01301	0.0000	0.0000	0.0000	8.231	-0.03498	29.99
SNB-IaS	-0.005375	-0.001647	-0.004691	0.0000	0.0000	0.0000	9.016	-0.001647	9.995
RohnAa1	0.002567	-1.316	-0.1367	0.0000	0.0000	0.0000	-2.262	-5.239	174.9
RohnAa2	0.002426	-1.319	-0.03363	0.0000	0.0000	0.0000	-2.263	2.604	175
RohnAb1	0.002119	-1.248	-0.1363	0.0000	0.0000	0.0000	-2.361	-5.342	169.9
RohnAb2	0.002126	-1.252	-0.02919	0.0000	0.0000	0.0000	-2.361	2.841	170
RohnAc1	0.002154	-1.182	-0.1356	0.0000	0.0000	0.0000	-2.46	-5.446	164.9
RohnAc2	0.002595	-1.185	-0.02492	0.0000	0.0000	0.0000	-2.459	3.079	165
RohnBa1	0.00151	-1.049	-0.1335	0.0000	0.0000	0.0000	-2.657	-5.655	154.9
RohnBa2	0.00277	-1.054	-0.01701	0.0000	0.0000	0.0000	-2.656	3.552	155
RohnBb1	0.001746	-0.9845	-0.1322	0.0000	0.0000	0.0000	-2.756	-5.761	149.9
RohnBb2	0.002488	-0.989	-0.01338	0.0000	0.0000	0.0000	-2.755	3.787	150
RohnBc1	0.001486	-0.9205	-0.1305	0.0000	0.0000	0.0000	-2.855	-5.867	144.9
RohnBc2	0.002624	-0.925	-0.00998	0.0000	0.0000	0.0000	-2.853	4.022	145
RohnCa1	0.001288	-0.7764	-0.1255	0.0000	0.0000	0.0000	-3.084	-6.12	133.2
RohnCa2	0.002653	-0.7811	-0.003031	0.0000	0.0000	0.0000	-3.083	4.563	133.3
RohnCb1	0.000611	-0.6978	-0.122	0.0000	0.0000	0.0000	-3.216	-6.269	126.5
RohnCb2	0.003181	-0.7026	0.0002791	0.0000	0.0000	0.0000	-3.213	4.869	126.7
RohnDa1	0.0008008	-0.5529	-0.1129	0.0000	0.0000	0.0000	-3.478	-6.578	113.2
RohnDa2	0.002883	-0.558	0.004744	0.0000	0.0000	0.0000	-3.475	5.467	113.3
RohnDb1	8.913e-005	-0.4869	-0.1072	0.0000	0.0000	0.0000	-3.61	-6.739	106.6
RohnDb2	0.003488	-0.4921	0.005908	0.0000	0.0000	0.0000	-3.606	5.76	106.7
RohnEa1	0.0005376	-0.3709	-0.09573	0.0000	0.0000	0.0000	-3.871	-7.077	93.24
RohnEa2	0.003104	-0.3764	0.007627	0.0000	0.0000	0.0000	-3.868	6.329	93.35
RohnEb1	0.0003982	-0.319	-0.09009	0.0000	0.0000	0.0000	-4.003	-7.252	86.57
RohnEb2	0.003169	-0.3246	0.008453	0.0000	0.0000	0.0000	-4	6.609	86.67
RohnFa1	-0.001303	-0.2069	-0.07513	0.0000	0.0000	0.0000	-4.332	-7.708	69.92
RohnFa2	0.00452	-0.2125	0.009393	0.0000	0.0000	0.0000	-4.326	7.289	70.01
RohnGa1	-0.001052	-0.1046	-0.05573	0.0000	0.0000	0.0000	-4.725	-8.287	49.94
RohnGa2	0.004383	-0.1108	0.008727	0.0000	0.0000	0.0000	-4.72	8.071	50.01
RohnHa1	-0.0008792	-0.03597	-0.03425	0.0000	0.0000	0.0000	-5.119	-8.9	29.97
RohnHa2	0.004595	-0.04291	0.005897	0.0000	0.0000	0.0000	-5.113	8.821	30.01
RohnIa1	0.0009304	-0.000135	-0.0117	0.0000	0.0000	0.0000	-5.512	-9.548	9.988
RohnIa2	0.005078	-0.01094	0.001657	0.0000	0.0000	0.0000	-5.507	9.537	10
SNB-Aa1	0.001818	-1.316	-0.1086	0.0000	0.0000	0.0000	-1.263	-3.507	174.9
SNB-Aa2	0.00197	-1.318	-0.05031	0.0000	0.0000	0.0000	-1.263	0.873	174.9
SNB-Ab1	0.001844	-1.249	-0.1084	0.0000	0.0000	0.0000	-1.362	-3.611	169.9
SNB-Ab2	0.001787	-1.252	-0.04573	0.0000	0.0000	0.0000	-1.362	1.11	170
SNB-Ac1	0.001614	-1.183	-0.108	0.0000	0.0000	0.0000	-1.46	-3.715	164.9
SNB-Ac2	0.002042	-1.185	-0.04129	0.0000	0.0000	0.0000	-1.46	1.348	165
SNB-Ba1	0.001539	-1.051	-0.1067	0.0000	0.0000	0.0000	-1.657	-3.924	154.9
SNB-Ba2	0.001936	-1.053	-0.03282	0.0000	0.0000	0.0000	-1.657	1.82	155
SNB-Bb1	0.001626	-0.9856	-0.1059	0.0000	0.0000	0.0000	-1.756	-4.029	149.9
SNB-Bb2	0.001826	-0.9885	-0.02878	0.0000	0.0000	0.0000	-1.755	2.055	150
SNB-Bc1	0.001353	-0.9215	-0.1049	0.0000	0.0000	0.0000	-1.854	-4.136	144.9
SNB-Bc2	0.001954	-0.9244	-0.02494	0.0000	0.0000	0.0000	-1.854	2.29	145
SNB-Ca1	0.00102	-0.7773	-0.1017	0.0000	0.0000	0.0000	-2.084	-4.389	133.2
SNB-Ca2	0.002115	-0.7805	-0.01691	0.0000	0.0000	0.0000	-2.083	2.831	133.3
SNB-Cb1	0.0007328	-0.6989	-0.09913	0.0000	0.0000	0.0000	-2.216	-4.538	126.6

SNB-Cb2	0.002284	-0.7022	-0.01304	0.0000	0.0000	0.0000	-2.214	3.137	126.6
SNB-Da1	0.0006203	-0.5538	-0.09241	0.0000	0.0000	0.0000	-2.478	-4.846	113.2
SNB-Da2	0.002269	-0.5574	-0.007138	0.0000	0.0000	0.0000	-2.476	3.735	113.3
SNB-Db1	0.0002	-0.488	-0.08795	0.0000	0.0000	0.0000	-2.609	-5.008	106.6
SNB-Db2	0.002601	-0.4916	-0.005305	0.0000	0.0000	0.0000	-2.607	4.028	106.7
SNB-Ea1	0.0008767	-0.3721	-0.07946	0.0000	0.0000	0.0000	-2.871	-5.346	93.26
SNB-Ea2	0.001986	-0.3761	-0.001691	0.0000	0.0000	0.0000	-2.87	4.598	93.34
SNB-Eb1	0.0006789	-0.3201	-0.0755	0.0000	0.0000	0.0000	-3.002	-5.521	86.58
SNB-Eb2	0.002133	-0.3243	0.0002757	0.0000	0.0000	0.0000	-3.001	4.877	86.66
SNB-Fa1	-0.001365	-0.2078	-0.06396	0.0000	0.0000	0.0000	-3.332	-5.977	69.94
SNB-Fa2	0.003888	-0.2119	0.003415	0.0000	0.0000	0.0000	-3.327	5.557	70
SNB-Ga1	-0.001087	-0.1055	-0.04809	0.0000	0.0000	0.0000	-3.725	-6.556	49.95
SNB-Ga2	0.003772	-0.1102	0.004909	0.0000	0.0000	0.0000	-3.72	6.34	50
SNB-Ha1	-0.001087	-0.03675	-0.03007	0.0000	0.0000	0.0000	-4.118	-7.168	29.97
SNB-Ha2	0.004152	-0.04226	0.00407	0.0000	0.0000	0.0000	-4.113	7.089	30
SNB-Ia1	0.0004592	-0.0007653	-0.0106	0.0000	0.0000	0.0000	-4.51	-7.814	9.989
SNB-Ia2	0.004866	-0.01016	0.001226	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)	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	5.15	0.0	2.53	0.0	22.37	0.0	0.0	23.10	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	11.55	0.0	6.00	0.0	18.59	0.0	0.0	22.69	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	3.36	0.0	8.23	0.0	222.71	0.0	0.0	222.89	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	-8.47	0.0	16.91	0.0	-178.28	0.0	0.0	179.28	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	4.73	0.0	14.37	0.0	315.30	0.0	0.0	315.66	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	-16.33	0.0	34.10	0.0	-278.25	0.0	0.0	280.81	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	-1.7276	-0.6537	0.0000	1.7276	0.6537	-0.0002	-1.3841	-0.0877
RohnBP	0.0000	-0.5393	-0.5461	0.0000	0.5393	0.5461	-0.0008	-1.1177	-0.0779
RohnCP	0.0000	-0.5678	-0.6616	0.0000	0.5678	0.6616	-0.0014	-0.8598	-0.0678
RohnDP	0.0000	-0.6119	-0.7943	-0.0000	0.6119	0.7943	-0.0020	-0.6256	-0.0576
RohnEP	0.0000	-0.6208	-0.9574	0.0000	0.6208	0.9574	-0.0025	-0.4297	-0.0474
RohnFP	0.0000	-0.7000	-1.2984	-0.0000	0.7000	1.2984	-0.0030	-0.2744	-0.0377
RohnGP	0.0000	-0.7836	-1.6255	-0.0000	0.7836	1.6255	-0.0034	-0.1554	-0.0282
RohnHP	0.0000	-0.7110	-1.7441	-0.0000	0.7110	1.7441	-0.0038	-0.0700	-0.0189
RohnIP	0.0000	-0.6987	-1.8611	0.0000	0.6987	1.8611	-0.0037	-0.0191	-0.0095
RohnJP	0.0000	-0.3573	-0.9677	-5.1534	-2.1766	-21.4032	0.0000	0.0000	0.0000
SNB-AP	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0006	-1.3839	-0.0819
SNB-BP	0.0000	-0.5393	-0.5461	-0.0000	0.5393	0.5461	-0.0000	-1.1175	-0.0723
SNB-CP	0.0000	-0.5678	-0.6616	-0.0000	0.5678	0.6616	-0.0006	-0.8601	-0.0626
SNB-DP	0.0000	-0.6119	-0.7943	-0.0000	0.6119	0.7943	-0.0012	-0.6260	-0.0530
SNB-EP	0.0000	-0.6208	-0.9574	-0.0000	0.6208	0.9574	-0.0017	-0.4293	-0.0436
SNB-FP	0.0000	-0.7000	-1.2984	-0.0000	0.7000	1.2984	-0.0022	-0.2741	-0.0348
SNB-GP	0.0000	-0.7560	-1.6055	0.0000	0.7560	1.6055	-0.0026	-0.1545	-0.0260
SNB-HP	0.0000	-0.7110	-1.7441	0.0000	0.7110	1.7441	-0.0030	-0.0695	-0.0173
SNB-IP	0.0000	-0.6987	-1.8611	-0.0000	0.6987	1.8611	-0.0029	-0.0183	-0.0086
SNB-JP	0.0000	-0.3573	-0.9677	-11.5496	-5.6419	-17.6205	0.0000	0.0000	0.0000
RohnA1	0.0000	-1.7556	-0.6344	0.0000	1.7556	0.6344	0.0025	-1.3821	-0.1370
RohnA2	0.0000	-1.5281	-0.5943	0.0000	1.5281	0.5943	0.0020	-1.3858	-0.0383
RohnB1	0.0000	-0.5393	-0.5461	0.0000	0.5393	0.5461	0.0019	-1.1151	-0.1346
RohnB2	0.0000	-0.5393	-0.5461	0.0000	0.5393	0.5461	0.0025	-1.1194	-0.0209
RohnC1	0.0000	-0.5678	-0.6616	0.0000	0.5678	0.6616	0.0011	-0.8571	-0.1284
RohnC2	0.0000	-0.5678	-0.6616	0.0000	0.5678	0.6616	0.0030	-0.8619	-0.0069
RohnD1	0.0000	-0.7060	-0.8158	0.0000	0.7060	0.8158	0.0007	-0.6228	-0.1178
RohnD2	0.0000	-0.6119	-0.7943	0.0000	0.6119	0.7943	0.0031	-0.6280	0.0029
RohnE1	0.0000	-0.6208	-0.9574	0.0000	0.6208	0.9574	0.0010	-0.4262	-0.1009
RohnE2	0.0000	-0.6208	-0.9574	0.0000	0.6208	0.9574	0.0027	-0.4317	0.0064
RohnF1	0.0000	-0.7000	-1.2984	0.0000	0.7000	1.2984	0.0012	-0.2709	-0.0841
RohnF2	0.0000	-0.7000	-1.2984	0.0000	0.7000	1.2984	0.0026	-0.2767	0.0088
RohnG1	0.0000	-0.7836	-1.6255	0.0000	0.7836	1.6255	0.0018	-0.1513	-0.0654
RohnG2	0.0000	-0.7836	-1.6355	0.0000	0.7836	1.6355	0.0021	-0.1575	0.0090
RohnH1	0.0000	-0.7110	-1.7441	0.0000	0.7110	1.7441	0.0019	-0.0661	-0.0454
RohnH2	0.0000	-0.7110	-1.7441	0.0000	0.7110	1.7441	0.0021	-0.0726	0.0077

RohnI1	0.0000	-0.6987	-1.8611	0.0000	0.6987	1.8611	0.0021	-0.0153	-0.0224
RohnI2	0.0000	-0.6987	-1.8611	0.0000	0.6987	1.8611	0.0018	-0.0216	0.0035
RohnJ1	0.0000	-0.3573	-0.9677	-3.3622	-7.8748	-221.7455	0.0000	0.0000	0.0000
RohnJ2	0.0000	-0.3573	-0.9677	8.4688	-16.5478	179.2468	0.0000	0.0000	0.0000
SNB-A1	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0019	-1.3829	-0.1088
SNB-A2	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0019	-1.3849	-0.0550
SNB-B1	0.0000	-0.5393	-0.5461	-0.0000	0.5393	0.5461	0.0018	-1.1162	-0.1073
SNB-B2	0.0000	-0.5393	-0.5461	-0.0000	0.5393	0.5461	0.0018	-1.1188	-0.0370
SNB-C1	0.0000	-0.5678	-0.6616	-0.0000	0.5678	0.6616	0.0016	-0.8585	-0.1037
SNB-C2	0.0000	-0.5678	-0.6616	-0.0000	0.5678	0.6616	0.0017	-0.8617	-0.0213
SNB-D1	0.0000	-0.6119	-0.7943	-0.0000	0.6119	0.7943	0.0015	-0.6243	-0.0962
SNB-D2	0.0000	-0.6119	-0.7943	-0.0000	0.6119	0.7943	0.0016	-0.6279	-0.0097
SNB-E1	0.0000	-0.6208	-0.9574	-0.0000	0.6208	0.9574	0.0014	-0.4274	-0.0830
SNB-E2	0.0000	-0.6208	-0.9574	-0.0000	0.6208	0.9574	0.0016	-0.4314	-0.0041
SNB-F1	0.0000	-0.7000	-1.2984	-0.0000	0.7000	1.2984	0.0014	-0.2720	-0.0712
SNB-F2	0.0000	-0.7000	-1.2984	-0.0000	0.7000	1.2984	0.0015	-0.2764	0.0019
SNB-G1	0.0000	-0.7560	-1.6055	-0.0000	0.7560	1.6055	0.0015	-0.1520	-0.0560
SNB-G2	0.0000	-0.7560	-1.6055	-0.0000	0.7560	1.6055	0.0015	-0.1569	0.0042
SNB-H1	0.0000	-0.7110	-1.7441	-0.0000	0.7110	1.7441	0.0016	-0.0668	-0.0395
SNB-H2	0.0000	-0.7110	-1.7441	-0.0000	0.7110	1.7441	0.0015	-0.0721	0.0049
SNB-I1	0.0000	-0.6987	-1.8611	-0.0000	0.6987	1.8611	0.0015	-0.0158	-0.0198
SNB-I2	0.0000	-0.6987	-1.8611	-0.0000	0.6987	1.8611	0.0015	-0.0208	0.0026
SNB-J1	0.0000	-0.3573	-0.9677	-4.7344	-14.0091	-314.3306	0.0000	0.0000	0.0000
SNB-J2	0.0000	-0.3573	-0.9677	16.3307	-33.7448	279.2180	0.0000	0.0000	0.0000
RohnAaS	0.0000	-0.3137	-0.2800	0.0000	0.3137	0.2800	-0.0003	-1.3168	-0.0853
RohnAbS	0.0000	-0.4982	-0.3827	0.0000	0.4982	0.3827	-0.0005	-1.2504	-0.0828
RohnAcS	0.0000	-0.7582	-0.3850	0.0000	0.7582	0.3850	-0.0006	-1.1838	-0.0804
RohnBaS	0.0000	-0.2630	-0.2811	0.0000	0.2630	0.2811	-0.0009	-1.0518	-0.0754
RohnBbS	0.0000	-1.1294	-1.2185	0.0000	1.1294	1.2185	-0.0011	-0.9877	-0.0729
RohnBcS	0.0000	-1.1760	-1.0823	-0.0000	1.1760	1.0823	-0.0012	-0.9236	-0.0704
RohnCaS	0.0000	-1.3178	-1.1605	0.0000	1.3178	1.1605	-0.0015	-0.7797	-0.0644
RohnCbS	0.0000	-0.3836	-0.4594	0.0000	0.3836	0.4594	-0.0017	-0.7002	-0.0610
RohnDaS	0.0000	-1.0639	-1.1703	-0.0000	1.0639	1.1703	-0.0020	-0.5560	-0.0542
RohnDbS	0.0000	-0.3071	-0.4138	-0.0000	0.3071	0.4138	-0.0022	-0.4888	-0.0508
RohnEaS	0.0000	-0.5013	-0.6147	0.0000	0.5013	0.6147	-0.0026	-0.3736	-0.0442
RohnEbS	0.0000	-0.3137	-0.5437	-0.0000	0.3137	0.5437	-0.0027	-0.3214	-0.0409
RohnFaS	0.0000	-0.3864	-0.7547	-0.0000	0.3864	0.7547	-0.0028	-0.2061	-0.0329
RohnGaS	0.0000	-0.3696	-0.8508	-0.0000	0.3696	0.8508	-0.0033	-0.1040	-0.0235
RohnHaS	0.0000	-0.3414	-0.8934	-0.0000	0.3414	0.8934	-0.0038	-0.0353	-0.0142
RohnIaS	0.0000	-0.3573	-0.9677	-0.0000	0.3573	0.9677	-0.0062	-0.0022	-0.0050
SNB-AaS	0.0000	-0.2763	-0.2650	0.0000	0.2763	0.2650	0.0005	-1.3170	-0.0795
SNB-AbS	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0003	-1.2503	-0.0771
SNB-AcS	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0002	-1.1833	-0.0747
SNB-BaS	0.0000	-0.2630	-0.2811	0.0000	0.2630	0.2811	-0.0001	-1.0516	-0.0698
SNB-BbS	0.0000	-0.2630	-0.2811	-0.0000	0.2630	0.2811	-0.0003	-0.9869	-0.0674
SNB-BcS	0.0000	-0.2630	-0.2811	0.0000	0.2630	0.2811	-0.0004	-0.9225	-0.0650
SNB-CaS	0.0000	-0.3048	-0.3805	-0.0000	0.3048	0.3805	-0.0007	-0.7780	-0.0594
SNB-CbS	0.0000	-0.3048	-0.3805	-0.0000	0.3048	0.3805	-0.0009	-0.6993	-0.0562
SNB-DaS	0.0000	-0.3071	-0.4138	0.0000	0.3071	0.4138	-0.0012	-0.5542	-0.0498
SNB-DbS	0.0000	-0.3071	-0.4138	0.0000	0.3071	0.4138	-0.0014	-0.4878	-0.0467
SNB-EaS	0.0000	-0.3137	-0.5437	-0.0000	0.3137	0.5437	-0.0018	-0.3732	-0.0406
SNB-EbS	0.0000	-0.3137	-0.5437	0.0000	0.3137	0.5437	-0.0019	-0.3210	-0.0377
SNB-FaS	0.0000	-0.3864	-0.7547	-0.0000	0.3864	0.7547	-0.0020	-0.2053	-0.0303
SNB-GaS	0.0000	-0.3696	-0.8508	0.0000	0.3696	0.8508	-0.0025	-0.1037	-0.0216
SNB-HaS	0.0000	-0.3414	-0.8934	0.0000	0.3414	0.8934	-0.0031	-0.0350	-0.0130
SNB-IaS	0.0000	-0.3573	-0.9677	0.0000	0.3573	0.9677	-0.0054	-0.0016	-0.0047
RohnAa1	0.0000	-1.3613	-0.4850	0.0000	1.3613	0.4850	0.0026	-1.3155	-0.1367
RohnAa2	0.0000	-0.2763	-0.2650	0.0000	0.2763	0.2650	0.0024	-1.3187	-0.0336
RohnAb1	0.0000	-0.4054	-0.3627	0.0000	0.4054	0.3627	0.0021	-1.2480	-0.1363
RohnAb2	0.0000	-0.4247	-0.3600	0.0000	0.4247	0.3600	0.0021	-1.2523	-0.0292
RohnAc1	0.0000	-1.0121	-0.3850	0.0000	1.0121	0.3850	0.0022	-1.1817	-0.1356
RohnAc2	0.0000	-0.2763	-0.2650	0.0000	0.2763	0.2650	0.0026	-1.1853	-0.0249
RohnBa1	0.0000	-0.2630	-0.2811	0.0000	0.2630	0.2811	0.0015	-1.0495	-0.1335
RohnBa2	0.0000	-0.2630	-0.2811	0.0000	0.2630	0.2811	0.0028	-1.0537	-0.0170
RohnBb1	0.0000	-1.1294	-1.2185	0.0000	1.1294	1.2185	0.0017	-0.9845	-0.1322
RohnBb2	0.0000	-1.1294	-1.2185	0.0000	1.1294	1.2185	0.0025	-0.9890	-0.0134
RohnBc1	0.0000	-1.0431	-0.9891	0.0000	1.0431	0.9891	0.0015	-0.9205	-0.1305
RohnBc2	0.0000	-1.0431	-0.9891	0.0000	1.0431	0.9891	0.0026	-0.9250	-0.0100
RohnCa1	0.0000	-1.3167	-1.1505	0.0000	1.3167	1.1505	0.0013	-0.7764	-0.1255
RohnCa2	0.0000	-1.3178	-1.1605	0.0000	1.3177	1.1605	0.0027	-0.7811	-0.0030
RohnCb1	0.0000	-0.3048	-0.3805	0.0000	0.3048	0.3805	0.0006	-0.6978	-0.1220
RohnCb2	0.0000	-0.3048	-0.3805	0.0000	0.3048	0.3805	0.0032	-0.7026	0.0003
RohnDa1	0.0000	-0.9218	-1.0738	0.0000	0.9218	1.0738	0.0008	-0.5529	-0.1129
RohnDa2	0.0000	-0.9218	-1.0738	0.0000	0.9218	1.0738	0.0029	-0.5580	0.0047

RohnDb1	0.0000	-0.3071	-0.4138	0.0000	0.3071	0.4138	0.0001	-0.4869	-0.1072
RohnDb2	0.0000	-0.3071	-0.4138	0.0000	0.3071	0.4138	0.0035	-0.4921	0.0059
RohnEa1	0.0000	-0.3137	-0.5437	0.0000	0.3137	0.5437	0.0005	-0.3709	-0.0957
RohnEa2	0.0000	-0.3137	-0.5437	0.0000	0.3137	0.5437	0.0031	-0.3764	0.0076
RohnEb1	0.0000	-0.3137	-0.5437	0.0000	0.3137	0.5437	0.0004	-0.3190	-0.0901
RohnEb2	0.0000	-0.3137	-0.5437	0.0000	0.3137	0.5437	0.0032	-0.3246	0.0085
RohnFa1	0.0000	-0.3864	-0.7547	0.0000	0.3864	0.7547	-0.0013	-0.2069	-0.0751
RohnFa2	0.0000	-0.3864	-0.7547	0.0000	0.3864	0.7547	0.0045	-0.2125	0.0094
RohnGa1	0.0000	-0.3696	-0.8508	0.0000	0.3696	0.8508	-0.0011	-0.1046	-0.0557
RohnGa2	0.0000	-0.3696	-0.8508	0.0000	0.3696	0.8508	0.0044	-0.1108	0.0087
RohnHa1	0.0000	-0.3414	-0.8934	0.0000	0.3414	0.8934	-0.0009	-0.0360	-0.0343
RohnHa2	0.0000	-0.3414	-0.8934	0.0000	0.3414	0.8934	0.0046	-0.0429	0.0059
RohnIa1	0.0000	-0.3573	-0.9677	-0.0000	0.3573	0.9677	0.0009	-0.0001	-0.0117
RohnIa2	0.0000	-0.3573	-0.9677	0.0000	0.3573	0.9677	0.0051	-0.0109	0.0017
SNB-Aa1	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0018	-1.3162	-0.1086
SNB-Aa2	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0020	-1.3180	-0.0503
SNB-Ab1	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0018	-1.2490	-0.1084
SNB-Ab2	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0018	-1.2515	-0.0457
SNB-Ac1	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0016	-1.1826	-0.1080
SNB-Ac2	0.0000	-0.2763	-0.2650	-0.0000	0.2763	0.2650	0.0020	-1.1847	-0.0413
SNB-Ba1	0.0000	-0.2630	-0.2811	-0.0000	0.2630	0.2811	0.0015	-1.0506	-0.1067
SNB-Ba2	0.0000	-0.2630	-0.2811	-0.0000	0.2630	0.2811	0.0019	-1.0532	-0.0328
SNB-Bb1	0.0000	-0.2630	-0.2811	-0.0000	0.2630	0.2811	0.0016	-0.9856	-0.1059
SNB-Bb2	0.0000	-0.2630	-0.2811	-0.0000	0.2630	0.2811	0.0018	-0.9885	-0.0288
SNB-Bc1	0.0000	-0.2630	-0.2811	-0.0000	0.2630	0.2811	0.0014	-0.9215	-0.1049
SNB-Bc2	0.0000	-0.2630	-0.2811	-0.0000	0.2630	0.2811	0.0020	-0.9244	-0.0249
SNB-Ca1	0.0000	-0.3048	-0.3805	-0.0000	0.3048	0.3805	0.0010	-0.7773	-0.1017
SNB-Ca2	0.0000	-0.3048	-0.3805	-0.0000	0.3048	0.3805	0.0021	-0.7805	-0.0169
SNB-Cb1	0.0000	-0.3048	-0.3805	-0.0000	0.3048	0.3805	0.0007	-0.6989	-0.0991
SNB-Cb2	0.0000	-0.3048	-0.3805	-0.0000	0.3048	0.3805	0.0023	-0.7022	-0.0130
SNB-Da1	0.0000	-0.3071	-0.4138	-0.0000	0.3071	0.4138	0.0006	-0.5538	-0.0924
SNB-Da2	0.0000	-0.3071	-0.4138	-0.0000	0.3071	0.4138	0.0023	-0.5574	-0.0071
SNB-Db1	0.0000	-0.3071	-0.4138	-0.0000	0.3071	0.4138	0.0002	-0.4880	-0.0879
SNB-Db2	0.0000	-0.3071	-0.4138	-0.0000	0.3071	0.4138	0.0026	-0.4916	-0.0053
SNB-Ea1	0.0000	-0.3137	-0.5437	-0.0000	0.3137	0.5437	0.0009	-0.3721	-0.0795
SNB-Ea2	0.0000	-0.3137	-0.5437	-0.0000	0.3137	0.5437	0.0020	-0.3761	-0.0017
SNB-Eb1	0.0000	-0.3137	-0.5437	-0.0000	0.3137	0.5437	0.0007	-0.3201	-0.0755
SNB-Eb2	0.0000	-0.3137	-0.5437	-0.0000	0.3137	0.5437	0.0021	-0.3243	0.0003
SNB-Fa1	0.0000	-0.3864	-0.7547	-0.0000	0.3864	0.7547	-0.0014	-0.2078	-0.0640
SNB-Fa2	0.0000	-0.3864	-0.7547	-0.0000	0.3864	0.7547	0.0039	-0.2119	0.0034
SNB-Ga1	0.0000	-0.3696	-0.8508	-0.0000	0.3696	0.8508	-0.0011	-0.1055	-0.0481
SNB-Ga2	0.0000	-0.3696	-0.8508	-0.0000	0.3696	0.8508	0.0038	-0.1102	0.0049
SNB-Ha1	0.0000	-0.3414	-0.8934	-0.0000	0.3414	0.8934	-0.0011	-0.0368	-0.0301
SNB-Ha2	0.0000	-0.3414	-0.8934	-0.0000	0.3414	0.8934	0.0042	-0.0423	0.0041
SNB-Ia1	0.0000	-0.3573	-0.9677	-0.0000	0.3573	0.9677	0.0005	-0.0008	-0.0106
SNB-Ia2	0.0000	-0.3573	-0.9677	0.0000	0.3573	0.9677	0.0049	-0.0102	0.0012

*** 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	0.6865	-1.188	-0.1159	0.0000	0.0000	0.0000	5.019	-1.188	179.9
RohnBP	0.5537	-0.9588	-0.1104	0.0000	0.0000	0.0000	5.675	-0.9588	159.9
RohnCP	0.4253	-0.7375	-0.1025	0.0000	0.0000	0.0000	6.334	-0.7375	139.9
RohnDP	0.3086	-0.5364	-0.09216	0.0000	0.0000	0.0000	7.004	-0.5364	119.9
RohnEP	0.2105	-0.3683	-0.07811	0.0000	0.0000	0.0000	7.691	-0.3683	99.92
RohnFP	0.133	-0.235	-0.0643	0.0000	0.0000	0.0000	8.401	-0.235	79.94
RohnGP	0.07318	-0.1329	-0.04953	0.0000	0.0000	0.0000	9.128	-0.1329	59.95
RohnHP	0.03065	-0.05974	-0.03413	0.0000	0.0000	0.0000	9.872	-0.05974	39.97
RohnIP	0.005427	-0.01624	-0.01685	0.0000	0.0000	0.0000	10.64	-0.01624	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.6874	-1.192	-0.0973	0.0000	0.0000	0.0000	3.02	-1.192	179.9
SNB-BP	0.5545	-0.962	-0.09235	0.0000	0.0000	0.0000	3.676	-0.962	159.9
SNB-CP	0.4261	-0.7402	-0.08615	0.0000	0.0000	0.0000	4.334	-0.7402	139.9
SNB-DP	0.3094	-0.5387	-0.07778	0.0000	0.0000	0.0000	5.004	-0.5387	119.9
SNB-EP	0.2113	-0.3693	-0.0662	0.0000	0.0000	0.0000	5.692	-0.3693	99.93
SNB-FP	0.1338	-0.2358	-0.05568	0.0000	0.0000	0.0000	6.402	-0.2358	79.94
SNB-GP	0.07397	-0.1328	-0.04319	0.0000	0.0000	0.0000	7.129	-0.1328	59.96
SNB-HP	0.03144	-0.05971	-0.03006	0.0000	0.0000	0.0000	7.872	-0.05971	39.97
SNB-IP	0.006208	-0.01576	-0.01507	0.0000	0.0000	0.0000	8.634	-0.01576	19.98
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.6925	-1.192	-0.116	0.0000	0.0000	0.0000	-1.474	-4.944	179.9
RohnA2	0.686	-1.195	-0.0309	0.0000	0.0000	0.0000	-1.481	2.557	180
RohnB1	0.5593	-0.9617	-0.1104	0.0000	0.0000	0.0000	-2.001	-5.397	159.9
RohnB2	0.5543	-0.9657	-0.01243	0.0000	0.0000	0.0000	-2.006	3.469	160
RohnC1	0.4297	-0.7387	-0.1026	0.0000	0.0000	0.0000	-2.525	-5.856	139.9
RohnC2	0.4274	-0.7437	0.002109	0.0000	0.0000	0.0000	-2.527	4.374	140
RohnD1	0.3126	-0.5366	-0.09214	0.0000	0.0000	0.0000	-3.035	-6.335	119.9
RohnD2	0.3118	-0.542	0.01183	0.0000	0.0000	0.0000	-3.036	5.256	120
RohnE1	0.2152	-0.3671	-0.07808	0.0000	0.0000	0.0000	-3.525	-6.846	99.92
RohnE2	0.2144	-0.3726	0.01428	0.0000	0.0000	0.0000	-3.526	6.106	100
RohnF1	0.138	-0.2331	-0.06429	0.0000	0.0000	0.0000	-3.996	-7.393	79.94
RohnF2	0.1375	-0.2391	0.01568	0.0000	0.0000	0.0000	-3.997	6.921	80.02
RohnG1	0.07923	-0.1302	-0.04952	0.0000	0.0000	0.0000	-4.448	-7.972	59.95
RohnG2	0.07822	-0.1362	0.01451	0.0000	0.0000	0.0000	-4.449	7.706	60.01
RohnH1	0.03685	-0.05665	-0.03412	0.0000	0.0000	0.0000	-4.884	-8.579	39.97
RohnH2	0.03617	-0.06311	0.01163	0.0000	0.0000	0.0000	-4.884	8.459	40.01
RohnI1	0.01157	-0.01294	-0.01685	0.0000	0.0000	0.0000	-5.303	-9.219	19.98
RohnI2	0.01082	-0.01899	0.005388	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	0.6887	-1.191	-0.0973	0.0000	0.0000	0.0000	-0.4778	-3.211	179.9
SNB-A2	0.6889	-1.193	-0.05091	0.0000	0.0000	0.0000	-0.4776	0.8278	179.9
SNB-B1	0.5564	-0.961	-0.09234	0.0000	0.0000	0.0000	-1.004	-3.664	159.9
SNB-B2	0.5565	-0.9634	-0.03178	0.0000	0.0000	0.0000	-1.004	1.739	160
SNB-C1	0.4284	-0.739	-0.08613	0.0000	0.0000	0.0000	-1.526	-4.123	139.9
SNB-C2	0.4286	-0.742	-0.01519	0.0000	0.0000	0.0000	-1.525	2.642	140
SNB-D1	0.312	-0.5372	-0.07776	0.0000	0.0000	0.0000	-2.035	-4.603	119.9
SNB-D2	0.3123	-0.5407	-0.003271	0.0000	0.0000	0.0000	-2.035	3.525	120
SNB-E1	0.2143	-0.3675	-0.06618	0.0000	0.0000	0.0000	-2.526	-5.114	99.93
SNB-E2	0.2146	-0.3715	0.00171	0.0000	0.0000	0.0000	-2.526	4.375	100
SNB-F1	0.1374	-0.2337	-0.05566	0.0000	0.0000	0.0000	-2.997	-5.662	79.94
SNB-F2	0.1375	-0.2381	0.007242	0.0000	0.0000	0.0000	-2.996	5.19	80.01
SNB-G1	0.07812	-0.1305	-0.04318	0.0000	0.0000	0.0000	-3.449	-6.24	59.96
SNB-G2	0.07816	-0.1353	0.008586	0.0000	0.0000	0.0000	-3.449	5.974	60.01
SNB-H1	0.03601	-0.05707	-0.03005	0.0000	0.0000	0.0000	-3.884	-6.848	39.97
SNB-H2	0.03598	-0.06231	0.008198	0.0000	0.0000	0.0000	-3.885	6.728	40.01
SNB-I1	0.01055	-0.01325	-0.01506	0.0000	0.0000	0.0000	-4.303	-7.485	19.98
SNB-I2	0.01054	-0.01825	0.004225	0.0000	0.0000	0.0000	-4.303	7.454	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.707	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.707	8.154	0
RohnAaS	0.6532	-1.13	-0.1147	0.0000	0.0000	0.0000	5.183	-1.13	174.9
RohnAbS	0.6199	-1.073	-0.1134	0.0000	0.0000	0.0000	5.347	-1.073	169.9
RohnAcS	0.5867	-1.016	-0.112	0.0000	0.0000	0.0000	5.511	-1.016	164.9
RohnBaS	0.5211	-0.9022	-0.1087	0.0000	0.0000	0.0000	5.839	-0.9022	154.9
RohnBbS	0.4886	-0.8472	-0.1069	0.0000	0.0000	0.0000	6.004	-0.8472	149.9

RohnBcS	0.4568	-0.7923	-0.1048	0.0000	0.0000	0.0000	6.169	-0.7923	144.9
RohnCaS	0.385	-0.6688	-0.09947	0.0000	0.0000	0.0000	6.556	-0.6688	133.2
RohnCbS	0.3461	-0.6005	-0.09598	0.0000	0.0000	0.0000	6.779	-0.6005	126.6
RohnDaS	0.2738	-0.4767	-0.08789	0.0000	0.0000	0.0000	7.231	-0.4767	113.3
RohnDbS	0.2411	-0.419	-0.08315	0.0000	0.0000	0.0000	7.46	-0.419	106.6
RohnEaS	0.1831	-0.3201	-0.07375	0.0000	0.0000	0.0000	7.926	-0.3201	93.27
RohnEbS	0.1573	-0.2752	-0.06913	0.0000	0.0000	0.0000	8.163	-0.2752	86.59
RohnFaS	0.102	-0.1763	-0.05713	0.0000	0.0000	0.0000	8.763	-0.1763	69.94
RohnGaS	0.05088	-0.0887	-0.042	0.0000	0.0000	0.0000	9.499	-0.0887	49.96
RohnHaS	0.01648	-0.02985	-0.0257	0.0000	0.0000	0.0000	10.25	-0.02985	29.97
RohnIaS	-0.002826	-0.001626	-0.008852	0.0000	0.0000	0.0000	11.02	-0.001626	9.991
SNB-AaS	0.6541	-1.134	-0.09618	0.0000	0.0000	0.0000	3.184	-1.134	174.9
SNB-AbS	0.6207	-1.076	-0.09501	0.0000	0.0000	0.0000	3.348	-1.076	169.9
SNB-AcS	0.5876	-1.019	-0.09373	0.0000	0.0000	0.0000	3.512	-1.019	164.9
SNB-BaS	0.5219	-0.9052	-0.09095	0.0000	0.0000	0.0000	3.84	-0.9052	154.9
SNB-BbS	0.4895	-0.8495	-0.08947	0.0000	0.0000	0.0000	4.004	-0.8495	149.9
SNB-BcS	0.4577	-0.794	-0.08786	0.0000	0.0000	0.0000	4.169	-0.794	144.9
SNB-CaS	0.3859	-0.6696	-0.08363	0.0000	0.0000	0.0000	4.556	-0.6696	133.3
SNB-CbS	0.3469	-0.6017	-0.08081	0.0000	0.0000	0.0000	4.78	-0.6017	126.6
SNB-DaS	0.2746	-0.4768	-0.07426	0.0000	0.0000	0.0000	5.231	-0.4768	113.3
SNB-DbS	0.2419	-0.4196	-0.07036	0.0000	0.0000	0.0000	5.461	-0.4196	106.6
SNB-EaS	0.1839	-0.321	-0.06291	0.0000	0.0000	0.0000	5.927	-0.321	93.28
SNB-EbS	0.1581	-0.2761	-0.05937	0.0000	0.0000	0.0000	6.164	-0.2761	86.6
SNB-FaS	0.1028	-0.1765	-0.0496	0.0000	0.0000	0.0000	6.764	-0.1765	69.95
SNB-GaS	0.05167	-0.08907	-0.0368	0.0000	0.0000	0.0000	7.5	-0.08907	49.96
SNB-HaS	0.01726	-0.02999	-0.02279	0.0000	0.0000	0.0000	8.252	-0.02999	29.98
SNB-IaS	-0.002045	-0.001368	-0.008078	0.0000	0.0000	0.0000	9.019	-0.001368	9.992
RohnAa1	0.6596	-1.135	-0.1148	0.0000	0.0000	0.0000	-1.605	-5.058	174.9
RohnAa2	0.653	-1.138	-0.02593	0.0000	0.0000	0.0000	-1.612	2.785	175
RohnAb1	0.6256	-1.076	-0.1135	0.0000	0.0000	0.0000	-1.738	-5.17	169.9
RohnAb2	0.6196	-1.08	-0.02119	0.0000	0.0000	0.0000	-1.744	3.013	170
RohnAc1	0.5927	-1.019	-0.112	0.0000	0.0000	0.0000	-1.869	-5.284	164.9
RohnAc2	0.587	-1.023	-0.01668	0.0000	0.0000	0.0000	-1.875	3.242	165
RohnBa1	0.526	-0.9049	-0.1087	0.0000	0.0000	0.0000	-2.133	-5.51	154.9
RohnBa2	0.522	-0.9092	-0.008338	0.0000	0.0000	0.0000	-2.137	3.696	155
RohnBb1	0.4941	-0.849	-0.1069	0.0000	0.0000	0.0000	-2.263	-5.625	149.9
RohnBb2	0.49	-0.8532	-0.004544	0.0000	0.0000	0.0000	-2.267	3.923	150
RohnBc1	0.4618	-0.7937	-0.1049	0.0000	0.0000	0.0000	-2.394	-5.74	144.9
RohnBc2	0.4584	-0.798	-0.001025	0.0000	0.0000	0.0000	-2.398	4.149	145
RohnCa1	0.3898	-0.6693	-0.09947	0.0000	0.0000	0.0000	-2.696	-6.013	133.2
RohnCa2	0.3874	-0.6739	0.006058	0.0000	0.0000	0.0000	-2.698	4.67	133.3
RohnCb1	0.3497	-0.6012	-0.09597	0.0000	0.0000	0.0000	-2.867	-6.173	126.6
RohnCb2	0.3487	-0.6065	0.009338	0.0000	0.0000	0.0000	-2.868	4.965	126.7
RohnDa1	0.2779	-0.4763	-0.08787	0.0000	0.0000	0.0000	-3.201	-6.501	113.3
RohnDa2	0.277	-0.4816	0.01345	0.0000	0.0000	0.0000	-3.201	5.543	113.4
RohnDb1	0.244	-0.4191	-0.08313	0.0000	0.0000	0.0000	-3.366	-6.671	106.6
RohnDb2	0.2445	-0.4251	0.01427	0.0000	0.0000	0.0000	-3.365	5.827	106.7
RohnEa1	0.1869	-0.3192	-0.07373	0.0000	0.0000	0.0000	-3.685	-7.025	93.27
RohnEa2	0.1871	-0.3252	0.01525	0.0000	0.0000	0.0000	-3.684	6.38	93.36
RohnEb1	0.1609	-0.2743	-0.06911	0.0000	0.0000	0.0000	-3.842	-7.208	86.59
RohnEb2	0.1614	-0.2806	0.01572	0.0000	0.0000	0.0000	-3.842	6.653	86.68
RohnFa1	0.1025	-0.1769	-0.05712	0.0000	0.0000	0.0000	-4.228	-7.678	69.94
RohnFa2	0.1062	-0.1848	0.01561	0.0000	0.0000	0.0000	-4.225	7.316	70.02
RohnGa1	0.05195	-0.08871	-0.04199	0.0000	0.0000	0.0000	-4.672	-8.271	49.96
RohnGa2	0.05573	-0.09713	0.01346	0.0000	0.0000	0.0000	-4.668	8.085	50.01
RohnHa1	0.01794	-0.02937	-0.02569	0.0000	0.0000	0.0000	-5.1	-8.894	29.97
RohnHa2	0.02217	-0.03876	0.008839	0.0000	0.0000	0.0000	-5.096	8.825	30.01
RohnIa1	0.002929	0.001573	-0.00885	0.0000	0.0000	0.0000	-5.51	-9.546	9.991
RohnIa2	0.006376	-0.01117	0.002634	0.0000	0.0000	0.0000	-5.506	9.537	10
SNB-Aa1	0.6555	-1.133	-0.09617	0.0000	0.0000	0.0000	-0.6095	-3.324	174.9
SNB-Aa2	0.6557	-1.135	-0.04591	0.0000	0.0000	0.0000	-0.6093	1.056	175
SNB-Ab1	0.6223	-1.075	-0.09501	0.0000	0.0000	0.0000	-0.7412	-3.437	169.9
SNB-Ab2	0.6224	-1.078	-0.04102	0.0000	0.0000	0.0000	-0.7411	1.284	170
SNB-Ac1	0.5889	-1.018	-0.09373	0.0000	0.0000	0.0000	-0.8731	-3.55	164.9
SNB-Ac2	0.5894	-1.02	-0.03629	0.0000	0.0000	0.0000	-0.8726	1.512	165
SNB-Ba1	0.5234	-0.9044	-0.09094	0.0000	0.0000	0.0000	-1.135	-3.778	154.9
SNB-Ba2	0.5239	-0.907	-0.0273	0.0000	0.0000	0.0000	-1.135	1.966	155
SNB-Bb1	0.4914	-0.8484	-0.08945	0.0000	0.0000	0.0000	-1.266	-3.892	149.9
SNB-Bb2	0.4917	-0.8512	-0.02303	0.0000	0.0000	0.0000	-1.266	2.192	150
SNB-Bc1	0.4592	-0.7931	-0.08784	0.0000	0.0000	0.0000	-1.396	-4.007	144.9
SNB-Bc2	0.4599	-0.7961	-0.01898	0.0000	0.0000	0.0000	-1.396	2.418	145
SNB-Ca1	0.3873	-0.6688	-0.08361	0.0000	0.0000	0.0000	-1.698	-4.28	133.3
SNB-Ca2	0.3884	-0.6723	-0.01061	0.0000	0.0000	0.0000	-1.697	2.939	133.3
SNB-Cb1	0.348	-0.6011	-0.08078	0.0000	0.0000	0.0000	-1.868	-4.44	126.6

SNB-Cb2	0.3495	-0.6051	-0.006647	0.0000	0.0000	0.0000	-1.867	3.234	126.7
SNB-Da1	0.2759	-0.4761	-0.07424	0.0000	0.0000	0.0000	-2.202	-4.769	113.3
SNB-Da2	0.2775	-0.4804	-0.0008244	0.0000	0.0000	0.0000	-2.201	3.812	113.3
SNB-Db1	0.2427	-0.4192	-0.07034	0.0000	0.0000	0.0000	-2.367	-4.939	106.6
SNB-Db2	0.2449	-0.4239	0.0008043	0.0000	0.0000	0.0000	-2.365	4.096	106.7
SNB-Ea1	0.1862	-0.3197	-0.0629	0.0000	0.0000	0.0000	-2.685	-5.293	93.28
SNB-Ea2	0.1872	-0.3242	0.004051	0.0000	0.0000	0.0000	-2.684	4.649	93.34
SNB-Eb1	0.1602	-0.2749	-0.05936	0.0000	0.0000	0.0000	-2.843	-5.476	86.6
SNB-Eb2	0.1615	-0.2797	0.005864	0.0000	0.0000	0.0000	-2.841	4.922	86.67
SNB-Fa1	0.1016	-0.1772	-0.04959	0.0000	0.0000	0.0000	-3.229	-5.946	69.95
SNB-Fa2	0.1062	-0.1839	0.008366	0.0000	0.0000	0.0000	-3.225	5.585	70.01
SNB-Ga1	0.05134	-0.08927	-0.03679	0.0000	0.0000	0.0000	-3.673	-6.539	49.96
SNB-Ga2	0.05561	-0.09629	0.008794	0.0000	0.0000	0.0000	-3.668	6.354	50.01
SNB-Ha1	0.01736	-0.02994	-0.02279	0.0000	0.0000	0.0000	-4.1	-7.161	29.98
SNB-Ha2	0.02194	-0.03799	0.006567	0.0000	0.0000	0.0000	-4.095	7.093	30.01
SNB-Ia1	0.002208	0.001087	-0.008077	0.0000	0.0000	0.0000	-4.509	-7.812	9.992
SNB-Ia2	0.006039	-0.01046	0.002089	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	-2.81	0.0	2.09	0.0	137.22	0.0	0.0	137.27	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	-3.50	0.0	5.22	0.0	188.59	0.0	0.0	188.70	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	-0.51	0.0	3.54	0.0	137.16	0.0	0.0	137.21	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	-10.36	0.0	18.07	0.0	-207.58	0.0	0.0	208.62	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	-2.78	0.0	5.64	0.0	188.51	0.0	0.0	188.62	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	-20.71	0.0	35.88	0.0	-321.47	0.0	0.0	324.13	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	0.8627	-1.4942	-0.6537	-0.8627	1.4942	0.6537	0.6865	-1.1880	-0.1159
RohnBP	0.2673	-0.4629	-0.5461	-0.2673	0.4629	0.5461	0.5537	-0.9588	-0.1104
RohnCP	0.2811	-0.4868	-0.6616	-0.2811	0.4868	0.6616	0.4253	-0.7375	-0.1025
RohnDP	0.3026	-0.5241	-0.7943	-0.3026	0.5241	0.7943	0.3086	-0.5364	-0.0922
RohnEP	0.3065	-0.5309	-0.9574	-0.3065	0.5309	0.9574	0.2105	-0.3683	-0.0781
RohnFP	0.3452	-0.5979	-1.2984	-0.3452	0.5979	1.2984	0.1330	-0.2350	-0.0643
RohnGP	0.3864	-0.6693	-1.6255	-0.3864	0.6693	1.6255	0.0732	-0.1329	-0.0495
RohnHP	0.3501	-0.6065	-1.7441	-0.3501	0.6065	1.7441	0.0307	-0.0597	-0.0341
RohnIP	0.3434	-0.5947	-1.8611	-0.3434	0.5947	1.8611	0.0054	-0.0162	-0.0169
RohnJP	0.1754	-0.3038	-0.9677	2.6318	-1.7834	-136.2545	0.0000	0.0000	0.0000
SNB-AP	0.1370	-0.2372	-0.2650	-0.1370	0.2372	0.2650	0.6874	-1.1915	-0.0973
SNB-BP	0.2673	-0.4629	-0.5461	-0.2673	0.4629	0.5461	0.5545	-0.9620	-0.0923
SNB-CP	0.2811	-0.4868	-0.6616	-0.2811	0.4868	0.6616	0.4261	-0.7402	-0.0861
SNB-DP	0.3026	-0.5241	-0.7943	-0.3026	0.5241	0.7943	0.3094	-0.5387	-0.0778
SNB-EP	0.3065	-0.5309	-0.9574	-0.3065	0.5309	0.9574	0.2113	-0.3693	-0.0662
SNB-FP	0.3452	-0.5979	-1.2984	-0.3452	0.5979	1.2984	0.1338	-0.2358	-0.0557
SNB-GP	0.3726	-0.6454	-1.6055	-0.3726	0.6454	1.6055	0.0740	-0.1328	-0.0432
SNB-HP	0.3501	-0.6065	-1.7441	-0.3501	0.6065	1.7441	0.0314	-0.0597	-0.0301
SNB-IP	0.3434	-0.5947	-1.8611	-0.3434	0.5947	1.8611	0.0062	-0.0158	-0.0151
SNB-JP	0.1754	-0.3038	-0.9677	3.3209	-4.9149	-187.6252	0.0000	0.0000	0.0000
RohnA1	0.8766	-1.5183	-0.6344	-0.8766	1.5183	0.6344	0.6925	-1.1920	-0.1160
RohnA2	0.7629	-1.3214	-0.5943	-0.7629	1.3214	0.5943	0.6860	-1.1953	-0.0309
RohnB1	0.2673	-0.4629	-0.5461	-0.2673	0.4629	0.5461	0.5593	-0.9617	-0.1104
RohnB2	0.2673	-0.4629	-0.5461	-0.2673	0.4629	0.5461	0.5543	-0.9657	-0.0124
RohnC1	0.2811	-0.4868	-0.6616	-0.2811	0.4868	0.6616	0.4297	-0.7387	-0.1026
RohnC2	0.2811	-0.4868	-0.6616	-0.2811	0.4868	0.6616	0.4274	-0.7437	0.0021
RohnD1	0.3496	-0.6056	-0.8158	-0.3496	0.6056	0.8158	0.3126	-0.5366	-0.0921
RohnD2	0.3026	-0.5241	-0.7943	-0.3026	0.5241	0.7943	0.3118	-0.5420	0.0118
RohnE1	0.3065	-0.5309	-0.9574	-0.3065	0.5309	0.9574	0.2152	-0.3671	-0.0781
RohnE2	0.3065	-0.5309	-0.9574	-0.3065	0.5309	0.9574	0.2144	-0.3726	0.0143
RohnF1	0.3452	-0.5979	-1.2984	-0.3452	0.5979	1.2984	0.1380	-0.2331	-0.0643
RohnF2	0.3452	-0.5979	-1.2984	-0.3452	0.5979	1.2984	0.1375	-0.2391	0.0157
RohnG1	0.3864	-0.6693	-1.6255	-0.3864	0.6693	1.6255	0.0792	-0.1302	-0.0495
RohnG2	0.3864	-0.6693	-1.6355	-0.3864	0.6693	1.6355	0.0782	-0.1362	0.0145
RohnH1	0.3501	-0.6065	-1.7441	-0.3501	0.6065	1.7441	0.0368	-0.0566	-0.0341
RohnH2	0.3501	-0.6065	-1.7441	-0.3501	0.6065	1.7441	0.0362	-0.0631	0.0116

RohnI1	0.3434	-0.5947	-1.8611	-0.3434	0.5947	1.8611	0.0116	-0.0129	-0.0168
RohnI2	0.3434	-0.5947	-1.8611	-0.3434	0.5947	1.8611	0.0108	-0.0190	0.0054
RohnJ1	0.1754	-0.3038	-0.9677	0.3373	-3.2314	-136.1944	0.0000	0.0000	0.0000
RohnJ2	0.1754	-0.3038	-0.9677	10.1828	-17.7662	208.5467	0.0000	0.0000	0.0000
SNB-A1	0.1370	-0.2372	-0.2650	-0.1370	0.2372	0.2650	0.6887	-1.1908	-0.0973
SNB-A2	0.1370	-0.2372	-0.2650	-0.1370	0.2373	0.2650	0.6889	-1.1926	-0.0509
SNB-B1	0.2673	-0.4629	-0.5461	-0.2673	0.4629	0.5461	0.5564	-0.9610	-0.0923
SNB-B2	0.2673	-0.4629	-0.5461	-0.2673	0.4629	0.5461	0.5565	-0.9634	-0.0318
SNB-C1	0.2811	-0.4868	-0.6616	-0.2811	0.4868	0.6616	0.4284	-0.7390	-0.0861
SNB-C2	0.2811	-0.4868	-0.6616	-0.2811	0.4868	0.6616	0.4286	-0.7420	-0.0152
SNB-D1	0.3026	-0.5241	-0.7943	-0.3026	0.5241	0.7943	0.3120	-0.5372	-0.0778
SNB-D2	0.3026	-0.5241	-0.7943	-0.3026	0.5241	0.7943	0.3123	-0.5407	-0.0033
SNB-E1	0.3065	-0.5309	-0.9574	-0.3065	0.5309	0.9574	0.2143	-0.3675	-0.0662
SNB-E2	0.3065	-0.5309	-0.9574	-0.3065	0.5310	0.9574	0.2146	-0.3715	0.0017
SNB-F1	0.3452	-0.5979	-1.2984	-0.3452	0.5979	1.2984	0.1374	-0.2337	-0.0557
SNB-F2	0.3452	-0.5979	-1.2984	-0.3452	0.5979	1.2984	0.1375	-0.2381	0.0072
SNB-G1	0.3726	-0.6454	-1.6055	-0.3726	0.6454	1.6055	0.0781	-0.1305	-0.0432
SNB-G2	0.3726	-0.6454	-1.6055	-0.3726	0.6454	1.6055	0.0782	-0.1353	0.0086
SNB-H1	0.3501	-0.6065	-1.7441	-0.3501	0.6065	1.7441	0.0360	-0.0571	-0.0300
SNB-H2	0.3501	-0.6065	-1.7441	-0.3501	0.6065	1.7441	0.0360	-0.0623	0.0082
SNB-I1	0.3434	-0.5947	-1.8611	-0.3434	0.5947	1.8611	0.0105	-0.0133	-0.0151
SNB-I2	0.3434	-0.5947	-1.8611	-0.3434	0.5947	1.8611	0.0105	-0.0183	0.0042
SNB-J1	0.1754	-0.3038	-0.9677	2.6007	-5.3347	-187.5449	0.0000	0.0000	0.0000
SNB-J2	0.1754	-0.3038	-0.9677	20.5367	-35.5763	322.4372	0.0000	0.0000	0.0000
RohnAaS	0.1557	-0.2697	-0.2800	-0.1557	0.2696	0.2800	0.6532	-1.1301	-0.1147
RohnAbS	0.2479	-0.4294	-0.3827	-0.2479	0.4294	0.3827	0.6199	-1.0726	-0.1134
RohnAcS	0.3780	-0.6546	-0.3850	-0.3780	0.6546	0.3850	0.5867	-1.0156	-0.1120
RohnBaS	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.5211	-0.9022	-0.1087
RohnBbS	0.5635	-0.9760	-1.2185	-0.5635	0.9760	1.2185	0.4886	-0.8472	-0.1069
RohnBcS	0.5868	-1.0164	-1.0823	-0.5868	1.0164	1.0823	0.4568	-0.7923	-0.1048
RohnCaS	0.6572	-1.1384	-1.1605	-0.6572	1.1384	1.1605	0.3850	-0.6688	-0.0995
RohnCbS	0.1902	-0.3294	-0.4594	-0.1902	0.3294	0.4594	0.3461	-0.6005	-0.0960
RohnDaS	0.5302	-0.9184	-1.1703	-0.5302	0.9184	1.1703	0.2738	-0.4767	-0.0879
RohnDbS	0.1518	-0.2630	-0.4138	-0.1518	0.2630	0.4138	0.2411	-0.4190	-0.0832
RohnEaS	0.2485	-0.4304	-0.6147	-0.2485	0.4304	0.6147	0.1831	-0.3201	-0.0737
RohnEbS	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1573	-0.2752	-0.0691
RohnFaS	0.1905	-0.3299	-0.7547	-0.1905	0.3299	0.7547	0.1020	-0.1763	-0.0571
RohnGaS	0.1822	-0.3155	-0.8508	-0.1822	0.3155	0.8508	0.0509	-0.0887	-0.0420
RohnHaS	0.1680	-0.2909	-0.8934	-0.1680	0.2909	0.8934	0.0165	-0.0299	-0.0257
RohnIaS	0.1754	-0.3038	-0.9677	-0.1754	0.3038	0.9677	-0.0028	-0.0016	-0.0089
SNB-AaS	0.1370	-0.2372	-0.2650	-0.1370	0.2372	0.2650	0.6541	-1.1339	-0.0962
SNB-AbS	0.1370	-0.2372	-0.2650	-0.1370	0.2372	0.2650	0.6207	-1.0764	-0.0950
SNB-AcS	0.1370	-0.2372	-0.2650	-0.1370	0.2372	0.2650	0.5876	-1.0187	-0.0937
SNB-BaS	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.5219	-0.9052	-0.0910
SNB-BbS	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.4895	-0.8495	-0.0895
SNB-BcS	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.4577	-0.7940	-0.0879
SNB-CaS	0.1508	-0.2611	-0.3805	-0.1508	0.2611	0.3805	0.3859	-0.6696	-0.0836
SNB-CbS	0.1508	-0.2611	-0.3805	-0.1508	0.2611	0.3805	0.3469	-0.6017	-0.0808
SNB-DaS	0.1518	-0.2630	-0.4138	-0.1518	0.2630	0.4138	0.2746	-0.4768	-0.0743
SNB-DbS	0.1518	-0.2630	-0.4138	-0.1518	0.2630	0.4138	0.2419	-0.4196	-0.0704
SNB-EaS	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1839	-0.3210	-0.0629
SNB-EbS	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1581	-0.2761	-0.0594
SNB-FaS	0.1905	-0.3299	-0.7547	-0.1905	0.3299	0.7547	0.1028	-0.1765	-0.0496
SNB-GaS	0.1822	-0.3155	-0.8508	-0.1822	0.3155	0.8508	0.0517	-0.0891	-0.0368
SNB-HaS	0.1680	-0.2909	-0.8934	-0.1680	0.2909	0.8934	0.0173	-0.0300	-0.0228
SNB-IaS	0.1754	-0.3038	-0.9677	-0.1754	0.3038	0.9677	-0.0020	-0.0014	-0.0081
RohnAa1	0.6795	-1.1769	-0.4850	-0.6795	1.1769	0.4850	0.6596	-1.1347	-0.1148
RohnAa2	0.1370	-0.2372	-0.2650	-0.1370	0.2372	0.2650	0.6530	-1.1377	-0.0259
RohnAb1	0.2015	-0.3491	-0.3627	-0.2015	0.3491	0.3627	0.6256	-1.0763	-0.1135
RohnAb2	0.2112	-0.3658	-0.3600	-0.2112	0.3658	0.3600	0.6196	-1.0804	-0.0212
RohnAc1	0.5049	-0.8745	-0.3850	-0.5049	0.8745	0.3850	0.5927	-1.0192	-0.1120
RohnAc2	0.1370	-0.2372	-0.2650	-0.1370	0.2372	0.2650	0.5870	-1.0227	-0.0167
RohnBa1	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.5260	-0.9049	-0.1087
RohnBa2	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.5220	-0.9092	-0.0083
RohnBb1	0.5635	-0.9760	-1.2185	-0.5635	0.9760	1.2185	0.4941	-0.8490	-0.1069
RohnBb2	0.5635	-0.9760	-1.2185	-0.5635	0.9760	1.2185	0.4900	-0.8532	-0.0045
RohnBc1	0.5203	-0.9012	-0.9891	-0.5203	0.9012	0.9891	0.4618	-0.7937	-0.1049
RohnBc2	0.5203	-0.9012	-0.9891	-0.5203	0.9012	0.9891	0.4584	-0.7980	-0.0010
RohnCa1	0.6567	-1.1375	-1.1505	-0.6567	1.1375	1.1505	0.3898	-0.6693	-0.0995
RohnCa2	0.6572	-1.1384	-1.1605	-0.6572	1.1384	1.1605	0.3874	-0.6739	0.0061
RohnCb1	0.1508	-0.2611	-0.3805	-0.1508	0.2611	0.3805	0.3497	-0.6012	-0.0960
RohnCb2	0.1508	-0.2611	-0.3805	-0.1508	0.2611	0.3805	0.3487	-0.6065	0.0093
RohnDa1	0.4592	-0.7953	-1.0738	-0.4592	0.7953	1.0738	0.2779	-0.4763	-0.0879
RohnDa2	0.4592	-0.7953	-1.0738	-0.4592	0.7953	1.0738	0.2770	-0.4816	0.0134

RohnDb1	0.1518	-0.2630	-0.4138	-0.1518	0.2630	0.4138	0.2440	-0.4191	-0.0831
RohnDb2	0.1518	-0.2630	-0.4138	-0.1518	0.2630	0.4138	0.2445	-0.4251	0.0143
RohnEa1	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1869	-0.3192	-0.0737
RohnEa2	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1871	-0.3252	0.0153
RohnEb1	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1609	-0.2743	-0.0691
RohnEb2	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1614	-0.2806	0.0157
RohnFa1	0.1905	-0.3299	-0.7547	-0.1905	0.3299	0.7547	0.1025	-0.1769	-0.0571
RohnFa2	0.1905	-0.3299	-0.7547	-0.1905	0.3299	0.7547	0.1062	-0.1848	0.0156
RohnGa1	0.1822	-0.3155	-0.8508	-0.1822	0.3155	0.8508	0.0519	-0.0887	-0.0420
RohnGa2	0.1822	-0.3155	-0.8508	-0.1822	0.3155	0.8508	0.0557	-0.0971	0.0135
RohnHa1	0.1680	-0.2909	-0.8934	-0.1680	0.2909	0.8934	0.0179	-0.0294	-0.0257
RohnHa2	0.1680	-0.2909	-0.8934	-0.1680	0.2909	0.8934	0.0222	-0.0388	0.0088
RohnIa1	0.1754	-0.3038	-0.9677	-0.1754	0.3038	0.9677	0.0029	0.0016	-0.0089
RohnIa2	0.1754	-0.3038	-0.9677	-0.1754	0.3038	0.9677	0.0064	-0.0112	0.0026
SNB-Aa1	0.1370	-0.2372	-0.2650	-0.1370	0.2372	0.2650	0.6555	-1.1333	-0.0962
SNB-Aa2	0.1370	-0.2372	-0.2650	-0.1370	0.2373	0.2650	0.6557	-1.1351	-0.0459
SNB-Ab1	0.1370	-0.2372	-0.2650	-0.1370	0.2372	0.2650	0.6223	-1.0754	-0.0950
SNB-Ab2	0.1370	-0.2372	-0.2650	-0.1370	0.2373	0.2650	0.6224	-1.0778	-0.0410
SNB-Ac1	0.1370	-0.2372	-0.2650	-0.1370	0.2372	0.2650	0.5889	-1.0180	-0.0937
SNB-Ac2	0.1370	-0.2372	-0.2650	-0.1370	0.2373	0.2650	0.5894	-1.0203	-0.0363
SNB-Ba1	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.5234	-0.9044	-0.0909
SNB-Ba2	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.5239	-0.9070	-0.0273
SNB-Bb1	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.4914	-0.8484	-0.0895
SNB-Bb2	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.4917	-0.8512	-0.0230
SNB-Bc1	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.4592	-0.7931	-0.0878
SNB-Bc2	0.1303	-0.2257	-0.2811	-0.1303	0.2257	0.2811	0.4599	-0.7961	-0.0190
SNB-Ca1	0.1508	-0.2611	-0.3805	-0.1508	0.2611	0.3805	0.3873	-0.6688	-0.0836
SNB-Ca2	0.1508	-0.2611	-0.3805	-0.1508	0.2611	0.3805	0.3884	-0.6723	-0.0106
SNB-Cb1	0.1508	-0.2611	-0.3805	-0.1508	0.2611	0.3805	0.3480	-0.6011	-0.0808
SNB-Cb2	0.1508	-0.2611	-0.3805	-0.1508	0.2611	0.3805	0.3495	-0.6051	-0.0066
SNB-Da1	0.1518	-0.2630	-0.4138	-0.1518	0.2630	0.4138	0.2759	-0.4761	-0.0742
SNB-Da2	0.1518	-0.2630	-0.4138	-0.1518	0.2630	0.4138	0.2775	-0.4804	-0.0008
SNB-Db1	0.1518	-0.2630	-0.4138	-0.1518	0.2630	0.4138	0.2427	-0.4192	-0.0703
SNB-Db2	0.1518	-0.2630	-0.4138	-0.1518	0.2630	0.4138	0.2449	-0.4239	0.0008
SNB-Ea1	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1862	-0.3197	-0.0629
SNB-Ea2	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1872	-0.3242	0.0041
SNB-Eb1	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1602	-0.2749	-0.0594
SNB-Eb2	0.1547	-0.2680	-0.5437	-0.1547	0.2680	0.5437	0.1615	-0.2797	0.0059
SNB-Fa1	0.1905	-0.3299	-0.7547	-0.1905	0.3299	0.7547	0.1016	-0.1772	-0.0496
SNB-Fa2	0.1905	-0.3299	-0.7547	-0.1905	0.3299	0.7547	0.1062	-0.1839	0.0084
SNB-Ga1	0.1822	-0.3155	-0.8508	-0.1822	0.3155	0.8508	0.0513	-0.0893	-0.0368
SNB-Ga2	0.1822	-0.3155	-0.8508	-0.1822	0.3155	0.8508	0.0556	-0.0963	0.0088
SNB-Ha1	0.1680	-0.2909	-0.8934	-0.1680	0.2909	0.8934	0.0174	-0.0299	-0.0228
SNB-Ha2	0.1680	-0.2909	-0.8934	-0.1680	0.2909	0.8934	0.0219	-0.0380	0.0066
SNB-Ia1	0.1754	-0.3038	-0.9677	-0.1754	0.3038	0.9677	0.0022	0.0011	-0.0081
SNB-Ia2	0.1754	-0.3038	-0.9677	-0.1754	0.3038	0.9677	0.0060	-0.0105	0.0021

*** 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	1.407	0.006746	-0.1458	0.0000	0.0000	0.0000	5.74	0.006746	179.9
RohnBP	1.136	0.006289	-0.1448	0.0000	0.0000	0.0000	6.257	0.006289	159.9
RohnCP	0.8739	0.00462	-0.1392	0.0000	0.0000	0.0000	6.783	0.00462	139.9
RohnDP	0.6355	0.003508	-0.1286	0.0000	0.0000	0.0000	7.331	0.003508	119.9
RohnEP	0.435	0.00269	-0.1105	0.0000	0.0000	0.0000	7.916	0.00269	99.89
RohnFP	0.2766	0.001992	-0.09235	0.0000	0.0000	0.0000	8.545	0.001992	79.91
RohnGP	0.1542	0.001481	-0.07201	0.0000	0.0000	0.0000	9.209	0.001481	59.93
RohnHP	0.06714	0.0009508	-0.05021	0.0000	0.0000	0.0000	9.908	0.0009508	39.95
RohnIP	0.01511	0.0004839	-0.02468	0.0000	0.0000	0.0000	10.65	0.0004839	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	1.408	-0.0006955	-0.1138	0.0000	0.0000	0.0000	3.741	-0.0006955	179.9
SNB-BP	1.137	-0.0004369	-0.1137	0.0000	0.0000	0.0000	4.258	-0.0004369	159.9
SNB-CP	0.8749	-0.0002587	-0.111	0.0000	0.0000	0.0000	4.783	-0.0002587	139.9
SNB-DP	0.6365	-0.0001399	-0.1039	0.0000	0.0000	0.0000	5.331	-0.0001399	119.9
SNB-EP	0.4359	-7.488e-005	-0.09001	0.0000	0.0000	0.0000	5.917	-7.488e-005	99.91
SNB-FP	0.2774	-3.499e-005	-0.07775	0.0000	0.0000	0.0000	6.545	-3.499e-005	79.92
SNB-GP	0.155	-1.11e-005	-0.06138	0.0000	0.0000	0.0000	7.21	-1.11e-005	59.94
SNB-HP	0.06793	1.181e-006	-0.04352	0.0000	0.0000	0.0000	7.909	1.181e-006	39.96
SNB-IP	0.01589	3.714e-006	-0.02187	0.0000	0.0000	0.0000	8.644	3.714e-006	19.98
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	1.417	-0.003087	-0.05906	0.0000	0.0000	0.0000	-0.7495	-3.756	179.9
RohnA2	1.404	-0.005789	-0.0588	0.0000	0.0000	0.0000	-0.7623	3.747	179.9
RohnB1	1.145	-0.00207	-0.04474	0.0000	0.0000	0.0000	-1.415	-4.437	160
RohnB2	1.134	-0.005587	-0.04448	0.0000	0.0000	0.0000	-1.427	4.429	160
RohnC1	0.8816	-0.0003692	-0.03223	0.0000	0.0000	0.0000	-2.073	-5.118	140
RohnC2	0.8731	-0.005138	-0.03205	0.0000	0.0000	0.0000	-2.081	5.112	140
RohnD1	0.6423	0.0007291	-0.02217	0.0000	0.0000	0.0000	-2.705	-5.797	120
RohnD2	0.6359	-0.004807	-0.02204	0.0000	0.0000	0.0000	-2.712	5.793	120
RohnE1	0.4419	0.001206	-0.01585	0.0000	0.0000	0.0000	-3.299	-6.478	99.98
RohnE2	0.437	-0.004203	-0.01576	0.0000	0.0000	0.0000	-3.303	6.475	99.98
RohnF1	0.2831	0.001917	-0.01035	0.0000	0.0000	0.0000	-3.851	-7.158	79.99
RohnF2	0.2795	-0.004077	-0.0103	0.0000	0.0000	0.0000	-3.854	7.156	79.99
RohnG1	0.1613	0.002117	-0.006303	0.0000	0.0000	0.0000	-4.366	-7.84	59.99
RohnG2	0.1587	-0.003676	-0.006269	0.0000	0.0000	0.0000	-4.369	7.838	59.99
RohnH1	0.07386	0.002725	-0.003221	0.0000	0.0000	0.0000	-4.847	-8.52	40
RohnH2	0.0722	-0.003703	-0.003202	0.0000	0.0000	0.0000	-4.848	8.519	40
RohnI1	0.02145	0.002694	-0.001822	0.0000	0.0000	0.0000	-5.294	-9.203	20
RohnI2	0.02061	-0.003182	-0.001814	0.0000	0.0000	0.0000	-5.294	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	1.41	3.508e-005	-0.06638	0.0000	0.0000	0.0000	0.2435	-2.02	179.9
SNB-A2	1.41	-0.001534	-0.06632	0.0000	0.0000	0.0000	0.2434	2.019	179.9
SNB-B1	1.139	0.0005443	-0.0518	0.0000	0.0000	0.0000	-0.4212	-2.702	159.9
SNB-B2	1.139	-0.001552	-0.05174	0.0000	0.0000	0.0000	-0.4212	2.701	159.9
SNB-C1	0.8776	0.001019	-0.0385	0.0000	0.0000	0.0000	-1.076	-3.383	140
SNB-C2	0.8775	-0.001658	-0.03844	0.0000	0.0000	0.0000	-1.076	3.383	140
SNB-D1	0.6395	0.001441	-0.02765	0.0000	0.0000	0.0000	-1.708	-4.065	120
SNB-D2	0.6395	-0.001829	-0.0276	0.0000	0.0000	0.0000	-1.708	4.064	120
SNB-E1	0.4393	0.001798	-0.02044	0.0000	0.0000	0.0000	-2.301	-4.745	99.98
SNB-E2	0.4392	-0.002033	-0.02041	0.0000	0.0000	0.0000	-2.301	4.745	99.98
SNB-F1	0.2812	0.002076	-0.01323	0.0000	0.0000	0.0000	-2.853	-5.426	79.99
SNB-F2	0.2812	-0.002211	-0.01321	0.0000	0.0000	0.0000	-2.853	5.426	79.99
SNB-G1	0.1593	0.002354	-0.008229	0.0000	0.0000	0.0000	-3.368	-6.107	59.99
SNB-G2	0.1593	-0.002424	-0.008214	0.0000	0.0000	0.0000	-3.368	6.107	59.99
SNB-H1	0.07255	0.002585	-0.004206	0.0000	0.0000	0.0000	-3.848	-6.788	40
SNB-H2	0.07253	-0.002615	-0.004197	0.0000	0.0000	0.0000	-3.848	6.788	40
SNB-I1	0.02022	0.002504	-0.00202	0.0000	0.0000	0.0000	-4.294	-7.47	20
SNB-I2	0.02021	-0.002512	-0.002016	0.0000	0.0000	0.0000	-4.294	7.47	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.707	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.707	8.154	0
RohnAaS	1.339	0.006662	-0.146	0.0000	0.0000	0.0000	5.869	0.006662	174.9
RohnAbS	1.271	0.007115	-0.1458	0.0000	0.0000	0.0000	5.998	0.007115	169.9
RohnAcS	1.204	0.006433	-0.1455	0.0000	0.0000	0.0000	6.128	0.006433	164.9
RohnBaS	1.069	0.005827	-0.1439	0.0000	0.0000	0.0000	6.387	0.005827	154.9
RohnBbS	1.003	0.005465	-0.1428	0.0000	0.0000	0.0000	6.518	0.005465	149.9

RohnBcS	0.9382	0.005028	-0.1412	0.0000	0.0000	0.0000	6.65	0.005028	144.9
RohnCaS	0.7916	0.004255	-0.1364	0.0000	0.0000	0.0000	6.962	0.004255	133.2
RohnCbS	0.712	0.003916	-0.1329	0.0000	0.0000	0.0000	7.145	0.003916	126.5
RohnDaS	0.5643	0.003273	-0.1234	0.0000	0.0000	0.0000	7.521	0.003273	113.2
RohnDbS	0.4974	0.002976	-0.1173	0.0000	0.0000	0.0000	7.717	0.002976	106.5
RohnEaS	0.379	0.002464	-0.1049	0.0000	0.0000	0.0000	8.122	0.002464	93.24
RohnEbS	0.3261	0.002231	-0.09888	0.0000	0.0000	0.0000	8.332	0.002231	86.56
RohnFaS	0.2127	0.00174	-0.08269	0.0000	0.0000	0.0000	8.874	0.00174	69.92
RohnGaS	0.1082	0.001219	-0.06151	0.0000	0.0000	0.0000	9.556	0.001219	49.94
RohnHaS	0.03803	0.0007207	-0.03786	0.0000	0.0000	0.0000	10.27	0.0007207	29.96
RohnIaS	0.000719	0.0002454	-0.0129	0.0000	0.0000	0.0000	11.03	0.0002454	9.987
SNB-AaS	1.34	-0.0007019	-0.114	0.0000	0.0000	0.0000	3.87	-0.0007019	174.9
SNB-AbS	1.272	-0.0004271	-0.1141	0.0000	0.0000	0.0000	3.999	-0.0004271	169.9
SNB-AcS	1.205	-0.0005713	-0.114	0.0000	0.0000	0.0000	4.129	-0.0005713	164.9
SNB-BaS	1.07	-0.0003971	-0.1134	0.0000	0.0000	0.0000	4.388	-0.0003971	154.9
SNB-BbS	1.004	-0.0003263	-0.1128	0.0000	0.0000	0.0000	4.519	-0.0003263	149.9
SNB-BcS	0.9392	-0.0003019	-0.1121	0.0000	0.0000	0.0000	4.65	-0.0003019	144.9
SNB-CaS	0.7926	-0.0002153	-0.1092	0.0000	0.0000	0.0000	4.963	-0.0002153	133.2
SNB-CbS	0.7129	-0.0001693	-0.1068	0.0000	0.0000	0.0000	5.146	-0.0001693	126.6
SNB-DaS	0.5652	-0.000109	-0.1	0.0000	0.0000	0.0000	5.522	-0.000109	113.2
SNB-DbS	0.4983	-9.399e-005	-0.09533	0.0000	0.0000	0.0000	5.718	-9.399e-005	106.6
SNB-EaS	0.3798	-5.914e-005	-0.08641	0.0000	0.0000	0.0000	6.123	-5.914e-005	93.25
SNB-EbS	0.3269	-4.541e-005	-0.08227	0.0000	0.0000	0.0000	6.333	-4.541e-005	86.58
SNB-FaS	0.2135	-1.901e-005	-0.06999	0.0000	0.0000	0.0000	6.875	-1.901e-005	69.93
SNB-GaS	0.109	-2.172e-006	-0.05285	0.0000	0.0000	0.0000	7.557	-2.172e-006	49.95
SNB-HaS	0.03882	4.716e-006	-0.03315	0.0000	0.0000	0.0000	8.273	4.716e-006	29.97
SNB-IaS	0.001501	3.13e-006	-0.01167	0.0000	0.0000	0.0000	9.023	3.13e-006	9.988
RohnAa1	1.35	-0.003132	-0.05534	0.0000	0.0000	0.0000	-0.9154	-3.926	174.9
RohnAa2	1.336	-0.005946	-0.05504	0.0000	0.0000	0.0000	-0.9291	3.917	174.9
RohnAb1	1.281	-0.002664	-0.05168	0.0000	0.0000	0.0000	-1.083	-4.096	169.9
RohnAb2	1.268	-0.005943	-0.0514	0.0000	0.0000	0.0000	-1.095	4.088	169.9
RohnAc1	1.213	-0.002542	-0.04815	0.0000	0.0000	0.0000	-1.249	-4.267	165
RohnAc2	1.201	-0.005836	-0.04787	0.0000	0.0000	0.0000	-1.261	4.258	165
RohnBa1	1.078	-0.001548	-0.04139	0.0000	0.0000	0.0000	-1.581	-4.607	155
RohnBa2	1.067	-0.005583	-0.04115	0.0000	0.0000	0.0000	-1.592	4.6	155
RohnBb1	1.012	-0.00151	-0.03821	0.0000	0.0000	0.0000	-1.745	-4.778	150
RohnBb2	1.002	-0.005075	-0.03798	0.0000	0.0000	0.0000	-1.755	4.771	150
RohnBc1	0.9466	-0.001081	-0.03513	0.0000	0.0000	0.0000	-1.909	-4.948	145
RohnBc2	0.9373	-0.004965	-0.03493	0.0000	0.0000	0.0000	-1.919	4.942	145
RohnCa1	0.7995	-0.0004295	-0.02853	0.0000	0.0000	0.0000	-2.286	-5.344	133.3
RohnCa2	0.7917	-0.00459	-0.02836	0.0000	0.0000	0.0000	-2.294	5.339	133.3
RohnCb1	0.7185	0.0004798	-0.02513	0.0000	0.0000	0.0000	-2.498	-5.571	126.6
RohnCb2	0.7114	-0.005017	-0.02499	0.0000	0.0000	0.0000	-2.505	5.566	126.6
RohnDa1	0.5709	0.000804	-0.01966	0.0000	0.0000	0.0000	-2.907	-6.024	113.3
RohnDa2	0.565	-0.004508	-0.01954	0.0000	0.0000	0.0000	-2.913	6.02	113.3
RohnDb1	0.5028	0.001657	-0.01752	0.0000	0.0000	0.0000	-3.107	-6.25	106.6
RohnDb2	0.4974	-0.005007	-0.01743	0.0000	0.0000	0.0000	-3.112	6.247	106.6
RohnEa1	0.3847	0.001879	-0.01375	0.0000	0.0000	0.0000	-3.487	-6.704	93.33
RohnEa2	0.3803	-0.004597	-0.01368	0.0000	0.0000	0.0000	-3.491	6.701	93.33
RohnEb1	0.3315	0.002197	-0.01191	0.0000	0.0000	0.0000	-3.671	-6.931	86.65
RohnEb2	0.3276	-0.004636	-0.01185	0.0000	0.0000	0.0000	-3.675	6.929	86.65
RohnFa1	0.2147	0.004147	-0.00803	0.0000	0.0000	0.0000	-4.116	-7.497	69.99
RohnFa2	0.2116	-0.006004	-0.007987	0.0000	0.0000	0.0000	-4.119	7.495	69.99
RohnGa1	0.1103	0.004678	-0.004539	0.0000	0.0000	0.0000	-4.614	-8.178	50
RohnGa2	0.1082	-0.005947	-0.004513	0.0000	0.0000	0.0000	-4.616	8.176	50
RohnHa1	0.04015	0.005537	-0.002354	0.0000	0.0000	0.0000	-5.078	-8.859	30
RohnHa2	0.0389	-0.006269	-0.002341	0.0000	0.0000	0.0000	-5.079	8.858	30
RohnIa1	0.006725	0.007221	-0.001086	0.0000	0.0000	0.0000	-5.506	-9.541	9.999
RohnIa2	0.006304	-0.007465	-0.001082	0.0000	0.0000	0.0000	-5.506	9.54	9.999
SNB-Aa1	1.342	0.0002217	-0.06265	0.0000	0.0000	0.0000	0.07717	-2.191	174.9
SNB-Aa2	1.342	-0.001523	-0.06258	0.0000	0.0000	0.0000	0.07699	2.19	174.9
SNB-Ab1	1.274	0.0002987	-0.05893	0.0000	0.0000	0.0000	-0.08936	-2.361	169.9
SNB-Ab2	1.274	-0.001543	-0.05888	0.0000	0.0000	0.0000	-0.08926	2.36	169.9
SNB-Ac1	1.206	0.0005894	-0.05531	0.0000	0.0000	0.0000	-0.2557	-2.532	164.9
SNB-Ac2	1.206	-0.001659	-0.05525	0.0000	0.0000	0.0000	-0.2558	2.531	164.9
SNB-Ba1	1.072	0.0008125	-0.0483	0.0000	0.0000	0.0000	-0.5865	-2.872	155
SNB-Ba2	1.072	-0.001704	-0.04824	0.0000	0.0000	0.0000	-0.5866	2.872	155
SNB-Bb1	1.007	0.0008761	-0.04491	0.0000	0.0000	0.0000	-0.7506	-3.043	150
SNB-Bb2	1.007	-0.001678	-0.04485	0.0000	0.0000	0.0000	-0.7507	3.042	150
SNB-Bc1	0.9412	0.001122	-0.04163	0.0000	0.0000	0.0000	-0.9144	-3.213	145
SNB-Bc2	0.9411	-0.001838	-0.04158	0.0000	0.0000	0.0000	-0.9145	3.212	145
SNB-Ca1	0.7944	0.001585	-0.03455	0.0000	0.0000	0.0000	-1.291	-3.61	133.3
SNB-Ca2	0.7943	-0.002132	-0.0345	0.0000	0.0000	0.0000	-1.291	3.609	133.3
SNB-Cb1	0.7144	0.001935	-0.03093	0.0000	0.0000	0.0000	-1.502	-3.837	126.6

SNB-Cb2	0.7144	-0.002403	-0.03088	0.0000	0.0000	0.0000	-1.502	3.837	126.6
SNB-Da1	0.5668	0.002223	-0.02481	0.0000	0.0000	0.0000	-1.912	-4.29	113.3
SNB-Da2	0.5668	-0.002558	-0.02478	0.0000	0.0000	0.0000	-1.912	4.29	113.3
SNB-Db1	0.4994	0.002674	-0.02241	0.0000	0.0000	0.0000	-2.11	-4.517	106.6
SNB-Db2	0.4994	-0.002953	-0.02238	0.0000	0.0000	0.0000	-2.11	4.517	106.6
SNB-Ea1	0.3824	0.002322	-0.01777	0.0000	0.0000	0.0000	-2.489	-4.971	93.32
SNB-Ea2	0.3823	-0.00252	-0.01774	0.0000	0.0000	0.0000	-2.489	4.971	93.32
SNB-Eb1	0.3293	0.002572	-0.01537	0.0000	0.0000	0.0000	-2.674	-5.199	86.64
SNB-Eb2	0.3293	-0.002736	-0.01535	0.0000	0.0000	0.0000	-2.674	5.199	86.64
SNB-Fa1	0.2125	0.004526	-0.01046	0.0000	0.0000	0.0000	-3.118	-5.765	69.99
SNB-Fa2	0.2125	-0.004625	-0.01044	0.0000	0.0000	0.0000	-3.118	5.764	69.99
SNB-Ga1	0.1088	0.004666	-0.005986	0.0000	0.0000	0.0000	-3.615	-6.445	49.99
SNB-Ga2	0.1088	-0.004714	-0.005974	0.0000	0.0000	0.0000	-3.615	6.445	49.99
SNB-Ha1	0.03897	0.005317	-0.002935	0.0000	0.0000	0.0000	-4.078	-7.126	30
SNB-Ha2	0.03896	-0.005335	-0.002929	0.0000	0.0000	0.0000	-4.078	7.126	30
SNB-Ia1	0.005734	0.006892	-0.001197	0.0000	0.0000	0.0000	-4.505	-7.806	9.999
SNB-Ia2	0.00573	-0.006894	-0.001195	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)	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	-11.44	0.0	-0.24	0.0	258.95	0.0	0.0	259.20	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	-19.80	0.0	-0.01	0.0	369.31	0.0	0.0	369.84	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	-8.76	0.0	-10.34	0.0	-96.03	0.0	0.0	96.98	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	-8.32	0.0	10.59	0.0	-96.12	0.0	0.0	97.06	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	-18.14	0.0	-20.85	0.0	-156.79	0.0	0.0	159.21	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	-18.12	0.0	20.85	0.0	-156.87	0.0	0.0	159.29	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	1.7346	0.0000	-0.6537	-1.7346	0.0000	0.6537	1.4072	0.0067	-0.1458
RohnBP	0.5535	0.0000	-0.5461	-0.5535	0.0000	0.5461	1.1360	0.0063	-0.1448
RohnCP	0.5848	0.0000	-0.6616	-0.5848	0.0000	0.6616	0.8739	0.0046	-0.1392
RohnDP	0.6321	0.0000	-0.7943	-0.6321	0.0000	0.7943	0.6355	0.0035	-0.1286
RohnEP	0.6439	0.0000	-0.9574	-0.6439	0.0000	0.9574	0.4350	0.0027	-0.1105
RohnFP	0.7291	0.0000	-1.2984	-0.7291	0.0000	1.2984	0.2766	0.0020	-0.0923
RohnGP	0.8158	0.0000	-1.6255	-0.8158	0.0000	1.6255	0.1542	0.0015	-0.0720
RohnHP	0.7432	0.0000	-1.7441	-0.7432	0.0000	1.7441	0.0671	0.0010	-0.0502
RohnIP	0.7346	0.0000	-1.8611	-0.7346	0.0000	1.8611	0.0151	0.0005	-0.0247
RohnJP	0.3769	0.0000	-0.9677	11.0608	0.2428	-257.9802	0.0000	0.0000	0.0000
SNB-AP	0.2833	0.0000	-0.2650	-0.2833	0.0000	0.2650	1.4083	-0.0007	-0.1138
SNB-BP	0.5535	0.0000	-0.5461	-0.5535	0.0000	0.5461	1.1371	-0.0004	-0.1137
SNB-CP	0.5848	0.0000	-0.6616	-0.5848	0.0000	0.6616	0.8749	-0.0003	-0.1110
SNB-DP	0.6321	0.0000	-0.7943	-0.6321	-0.0000	0.7943	0.6365	-0.0001	-0.1039
SNB-EP	0.6439	0.0000	-0.9574	-0.6439	-0.0000	0.9574	0.4359	-0.0001	-0.0900
SNB-FP	0.7291	0.0000	-1.2984	-0.7291	-0.0000	1.2984	0.2774	-0.0000	-0.0777
SNB-GP	0.7882	0.0000	-1.6055	-0.7882	-0.0000	1.6055	0.1550	-0.0000	-0.0614
SNB-HP	0.7432	0.0000	-1.7441	-0.7432	-0.0000	1.7441	0.0679	0.0000	-0.0435
SNB-IP	0.7346	0.0000	-1.8611	-0.7346	-0.0000	1.8611	0.0159	0.0000	-0.0219
SNB-JP	0.3769	0.0000	-0.9677	19.4192	0.0095	-368.3400	0.0000	0.0000	0.0000
RohnA1	1.7626	0.0000	-0.6344	-1.7625	0.0000	0.6344	1.4170	-0.0031	-0.0591
RohnA2	1.5351	0.0000	-0.5943	-1.5351	-0.0000	0.5943	1.4042	-0.0058	-0.0588
RohnB1	0.5535	0.0000	-0.5461	-0.5535	0.0000	0.5461	1.1455	-0.0021	-0.0447
RohnB2	0.5535	0.0000	-0.5461	-0.5535	-0.0000	0.5461	1.1339	-0.0056	-0.0445
RohnC1	0.5848	0.0000	-0.6616	-0.5848	0.0000	0.6616	0.8816	-0.0004	-0.0322
RohnC2	0.5848	0.0000	-0.6616	-0.5848	-0.0000	0.6616	0.8731	-0.0051	-0.0320
RohnD1	0.7261	0.0000	-0.8158	-0.7261	0.0000	0.8158	0.6423	0.0007	-0.0222
RohnD2	0.6321	0.0000	-0.7943	-0.6321	-0.0000	0.7943	0.6359	-0.0048	-0.0220
RohnE1	0.6439	0.0000	-0.9574	-0.6439	0.0000	0.9574	0.4419	0.0012	-0.0158
RohnE2	0.6439	0.0000	-0.9574	-0.6439	-0.0000	0.9574	0.4370	-0.0042	-0.0158
RohnF1	0.7291	0.0000	-1.2984	-0.7291	0.0000	1.2984	0.2831	0.0019	-0.0104
RohnF2	0.7291	0.0000	-1.2984	-0.7291	-0.0000	1.2984	0.2795	-0.0041	-0.0103
RohnG1	0.8158	0.0000	-1.6255	-0.8158	0.0000	1.6255	0.1613	0.0021	-0.0063
RohnG2	0.8158	0.0000	-1.6355	-0.8158	-0.0000	1.6355	0.1587	-0.0037	-0.0063
RohnH1	0.7432	0.0000	-1.7441	-0.7432	0.0000	1.7441	0.0739	0.0027	-0.0032
RohnH2	0.7432	0.0000	-1.7441	-0.7432	-0.0000	1.7441	0.0722	-0.0037	-0.0032

RohnI1	0.7346	0.0000	-1.8611	-0.7346	0.0000	1.8611	0.0214	0.0027	-0.0018
RohnI2	0.7346	0.0000	-1.8611	-0.7346	-0.0000	1.8611	0.0206	-0.0032	-0.0018
RohnJ1	0.3769	0.0000	-0.9677	8.3820	10.3387	96.9960	0.0000	0.0000	0.0000
RohnJ2	0.3769	0.0000	-0.9677	7.9477	-10.5872	97.0878	0.0000	0.0000	0.0000
SNB-A1	0.2833	0.0000	-0.2650	-0.2833	-0.0000	0.2650	1.4100	0.0000	-0.0664
SNB-A2	0.2833	0.0000	-0.2650	-0.2833	0.0000	0.2650	1.4099	-0.0015	-0.0663
SNB-B1	0.5535	0.0000	-0.5461	-0.5535	-0.0000	0.5461	1.1393	0.0005	-0.0518
SNB-B2	0.5535	0.0000	-0.5461	-0.5535	0.0000	0.5461	1.1393	-0.0016	-0.0517
SNB-C1	0.5848	0.0000	-0.6616	-0.5848	-0.0000	0.6616	0.8776	0.0010	-0.0385
SNB-C2	0.5848	0.0000	-0.6616	-0.5848	0.0000	0.6616	0.8775	-0.0017	-0.0384
SNB-D1	0.6321	0.0000	-0.7943	-0.6321	-0.0000	0.7943	0.6395	0.0014	-0.0276
SNB-D2	0.6321	0.0000	-0.7943	-0.6321	0.0000	0.7943	0.6395	-0.0018	-0.0276
SNB-E1	0.6439	0.0000	-0.9574	-0.6439	-0.0000	0.9574	0.4393	0.0018	-0.0204
SNB-E2	0.6439	0.0000	-0.9574	-0.6439	0.0000	0.9574	0.4392	-0.0020	-0.0204
SNB-F1	0.7291	0.0000	-1.2984	-0.7291	-0.0000	1.2984	0.2812	0.0021	-0.0132
SNB-F2	0.7291	0.0000	-1.2984	-0.7291	0.0000	1.2984	0.2812	-0.0022	-0.0132
SNB-G1	0.7882	0.0000	-1.6055	-0.7882	-0.0000	1.6055	0.1593	0.0024	-0.0082
SNB-G2	0.7882	0.0000	-1.6055	-0.7882	0.0000	1.6055	0.1593	-0.0024	-0.0082
SNB-H1	0.7432	0.0000	-1.7441	-0.7432	-0.0000	1.7441	0.0725	0.0026	-0.0042
SNB-H2	0.7432	0.0000	-1.7441	-0.7432	0.0000	1.7441	0.0725	-0.0026	-0.0042
SNB-I1	0.7346	0.0000	-1.8611	-0.7346	-0.0000	1.8611	0.0202	0.0025	-0.0020
SNB-I2	0.7346	0.0000	-1.8611	-0.7346	0.0000	1.8611	0.0202	-0.0025	-0.0020
SNB-J1	0.3769	0.0000	-0.9677	17.7627	20.8478	157.7617	0.0000	0.0000	0.0000
SNB-J2	0.3769	0.0000	-0.9677	17.7467	-20.8516	157.8397	0.0000	0.0000	0.0000
RohnAaS	0.3207	0.0000	-0.2800	-0.3207	0.0000	0.2800	1.3393	0.0067	-0.1460
RohnAbS	0.5052	0.0000	-0.3827	-0.5052	0.0000	0.3827	1.2712	0.0071	-0.1458
RohnAcS	0.7652	0.0000	-0.3850	-0.7653	0.0000	0.3850	1.2035	0.0064	-0.1455
RohnBaS	0.2702	0.0000	-0.2811	-0.2702	0.0000	0.2811	1.0694	0.0058	-0.1439
RohnBbS	1.1366	0.0000	-1.2185	-1.1366	0.0000	1.2185	1.0032	0.0055	-0.1428
RohnBcS	1.1832	0.0000	-1.0823	-1.1832	0.0000	1.0823	0.9382	0.0050	-0.1412
RohnCaS	1.3276	0.0000	-1.1605	-1.3276	0.0000	1.1605	0.7916	0.0043	-0.1364
RohnCbS	0.3934	0.0000	-0.4594	-0.3934	0.0000	0.4594	0.7120	0.0039	-0.1329
RohnDaS	1.0742	0.0000	-1.1703	-1.0742	0.0000	1.1703	0.5643	0.0033	-0.1234
RohnDbS	0.3174	0.0000	-0.4138	-0.3174	0.0000	0.4138	0.4974	0.0030	-0.1173
RohnEaS	0.5141	0.0000	-0.6147	-0.5141	0.0000	0.6147	0.3790	0.0025	-0.1049
RohnEbS	0.3265	0.0000	-0.5437	-0.3265	0.0000	0.5437	0.3261	0.0022	-0.0989
RohnFaS	0.4027	0.0000	-0.7547	-0.4027	0.0000	0.7547	0.2127	0.0017	-0.0827
RohnGaS	0.3856	0.0000	-0.8508	-0.3856	0.0000	0.8508	0.1082	0.0012	-0.0615
RohnHaS	0.3577	0.0000	-0.8934	-0.3577	0.0000	0.8934	0.0380	0.0007	-0.0379
RohnIaS	0.3769	0.0000	-0.9677	-0.3769	0.0000	0.9677	0.0007	0.0002	-0.0129
SNB-AaS	0.2833	0.0000	-0.2650	-0.2833	0.0000	0.2650	1.3403	-0.0007	-0.1140
SNB-AbS	0.2833	0.0000	-0.2650	-0.2833	0.0000	0.2650	1.2723	-0.0004	-0.1141
SNB-AcS	0.2833	0.0000	-0.2650	-0.2833	0.0000	0.2650	1.2045	-0.0006	-0.1140
SNB-BaS	0.2702	0.0000	-0.2811	-0.2702	0.0000	0.2811	1.0704	-0.0004	-0.1134
SNB-BbS	0.2702	0.0000	-0.2811	-0.2702	0.0000	0.2811	1.0042	-0.0003	-0.1128
SNB-BcS	0.2702	0.0000	-0.2811	-0.2702	0.0000	0.2811	0.9392	-0.0003	-0.1121
SNB-CaS	0.3146	0.0000	-0.3805	-0.3146	0.0000	0.3805	0.7926	-0.0002	-0.1092
SNB-CbS	0.3146	0.0000	-0.3805	-0.3146	-0.0000	0.3805	0.7129	-0.0002	-0.1068
SNB-DaS	0.3174	0.0000	-0.4138	-0.3174	-0.0000	0.4138	0.5652	-0.0001	-0.1000
SNB-DbS	0.3174	0.0000	-0.4138	-0.3174	-0.0000	0.4138	0.4983	-0.0001	-0.0953
SNB-EaS	0.3265	0.0000	-0.5437	-0.3265	-0.0000	0.5437	0.3798	-0.0001	-0.0864
SNB-EbS	0.3265	0.0000	-0.5437	-0.3265	-0.0000	0.5437	0.3269	-0.0000	-0.0823
SNB-FaS	0.4027	0.0000	-0.7547	-0.4027	-0.0000	0.7547	0.2135	-0.0000	-0.0700
SNB-GaS	0.3856	0.0000	-0.8508	-0.3855	-0.0000	0.8508	0.1090	-0.0000	-0.0529
SNB-HaS	0.3577	0.0000	-0.8934	-0.3577	-0.0000	0.8934	0.0388	0.0000	-0.0332
SNB-IaS	0.3769	0.0000	-0.9677	-0.3769	-0.0000	0.9677	0.0015	0.0000	-0.0117
RohnAa1	1.3683	0.0000	-0.4850	-1.3683	0.0000	0.4850	1.3496	-0.0031	-0.0553
RohnAa2	0.2833	0.0000	-0.2650	-0.2833	-0.0000	0.2650	1.3359	-0.0059	-0.0550
RohnAb1	0.4124	0.0000	-0.3627	-0.4124	0.0000	0.3627	1.2809	-0.0027	-0.0517
RohnAb2	0.4317	0.0000	-0.3600	-0.4317	-0.0000	0.3600	1.2682	-0.0059	-0.0514
RohnAc1	1.0191	0.0000	-0.3850	-1.0191	0.0000	0.3850	1.2134	-0.0025	-0.0482
RohnAc2	0.2833	0.0000	-0.2650	-0.2833	-0.0000	0.2650	1.2005	-0.0058	-0.0479
RohnBa1	0.2702	0.0000	-0.2811	-0.2702	0.0000	0.2811	1.0781	-0.0015	-0.0414
RohnBa2	0.2702	0.0000	-0.2811	-0.2702	-0.0000	0.2811	1.0672	-0.0056	-0.0411
RohnBb1	1.1366	0.0000	-1.2185	-1.1366	0.0000	1.2185	1.0123	-0.0015	-0.0382
RohnBb2	1.1366	0.0000	-1.2185	-1.1366	-0.0000	1.2185	1.0023	-0.0051	-0.0380
RohnBc1	1.0503	0.0000	-0.9891	-1.0503	0.0000	0.9891	0.9466	-0.0011	-0.0351
RohnBc2	1.0503	0.0000	-0.9891	-1.0503	-0.0000	0.9891	0.9373	-0.0050	-0.0349
RohnCa1	1.3265	0.0000	-1.1505	-1.3265	0.0000	1.1505	0.7995	-0.0004	-0.0285
RohnCa2	1.3276	0.0000	-1.1605	-1.3276	-0.0000	1.1605	0.7917	-0.0046	-0.0284
RohnCb1	0.3146	0.0000	-0.3805	-0.3146	0.0000	0.3805	0.7185	0.0005	-0.0251
RohnCb2	0.3146	0.0000	-0.3805	-0.3146	-0.0000	0.3805	0.7114	-0.0050	-0.0250
RohnDa1	0.9321	0.0000	-1.0738	-0.9321	0.0000	1.0738	0.5709	0.0008	-0.0197
RohnDa2	0.9321	0.0000	-1.0738	-0.9321	-0.0000	1.0738	0.5650	-0.0045	-0.0195

RohnDb1	0.3174	0.0000	-0.4138	-0.3174	0.0000	0.4138	0.5028	0.0017	-0.0175
RohnDb2	0.3174	0.0000	-0.4138	-0.3174	-0.0000	0.4138	0.4974	-0.0050	-0.0174
RohnEa1	0.3265	0.0000	-0.5437	-0.3265	0.0000	0.5437	0.3847	0.0019	-0.0137
RohnEa2	0.3265	0.0000	-0.5437	-0.3265	-0.0000	0.5437	0.3803	-0.0046	-0.0137
RohnEb1	0.3265	0.0000	-0.5437	-0.3265	0.0000	0.5437	0.3315	0.0022	-0.0119
RohnEb2	0.3265	0.0000	-0.5437	-0.3265	-0.0000	0.5437	0.3276	-0.0046	-0.0118
RohnFa1	0.4027	0.0000	-0.7547	-0.4027	0.0000	0.7547	0.2147	0.0041	-0.0080
RohnFa2	0.4027	0.0000	-0.7547	-0.4027	-0.0000	0.7547	0.2116	-0.0060	-0.0080
RohnGa1	0.3856	0.0000	-0.8508	-0.3856	0.0000	0.8508	0.1103	0.0047	-0.0045
RohnGa2	0.3856	0.0000	-0.8508	-0.3856	-0.0000	0.8508	0.1082	-0.0059	-0.0045
RohnHa1	0.3577	0.0000	-0.8934	-0.3577	0.0000	0.8934	0.0402	0.0055	-0.0024
RohnHa2	0.3577	0.0000	-0.8934	-0.3577	-0.0000	0.8934	0.0389	-0.0063	-0.0023
RohnIa1	0.3769	0.0000	-0.9677	-0.3769	0.0000	0.9677	0.0067	0.0072	-0.0011
RohnIa2	0.3769	0.0000	-0.9677	-0.3769	-0.0000	0.9677	0.0063	-0.0075	-0.0011
SNB-Aa1	0.2833	0.0000	-0.2650	-0.2833	-0.0000	0.2650	1.3422	0.0002	-0.0626
SNB-Aa2	0.2833	0.0000	-0.2650	-0.2833	0.0000	0.2650	1.3420	-0.0015	-0.0626
SNB-Ab1	0.2833	0.0000	-0.2650	-0.2833	-0.0000	0.2650	1.2741	0.0003	-0.0589
SNB-Ab2	0.2833	0.0000	-0.2650	-0.2833	0.0000	0.2650	1.2742	-0.0015	-0.0589
SNB-Ac1	0.2833	0.0000	-0.2650	-0.2833	-0.0000	0.2650	1.2063	0.0006	-0.0553
SNB-Ac2	0.2833	0.0000	-0.2650	-0.2833	0.0000	0.2650	1.2062	-0.0017	-0.0552
SNB-Ba1	0.2702	0.0000	-0.2811	-0.2702	-0.0000	0.2811	1.0724	0.0008	-0.0483
SNB-Ba2	0.2702	0.0000	-0.2811	-0.2702	0.0000	0.2811	1.0723	-0.0017	-0.0482
SNB-Bb1	0.2702	0.0000	-0.2811	-0.2702	-0.0000	0.2811	1.0066	0.0009	-0.0449
SNB-Bb2	0.2702	0.0000	-0.2811	-0.2702	0.0000	0.2811	1.0065	-0.0017	-0.0449
SNB-Bc1	0.2702	0.0000	-0.2811	-0.2702	-0.0000	0.2811	0.9412	0.0011	-0.0416
SNB-Bc2	0.2702	0.0000	-0.2811	-0.2702	0.0000	0.2811	0.9411	-0.0018	-0.0416
SNB-Ca1	0.3146	0.0000	-0.3805	-0.3146	-0.0000	0.3805	0.7944	0.0016	-0.0346
SNB-Ca2	0.3146	0.0000	-0.3805	-0.3146	0.0000	0.3805	0.7943	-0.0021	-0.0345
SNB-Cb1	0.3146	0.0000	-0.3805	-0.3146	-0.0000	0.3805	0.7144	0.0019	-0.0309
SNB-Cb2	0.3146	0.0000	-0.3805	-0.3146	0.0000	0.3805	0.7144	-0.0024	-0.0309
SNB-Da1	0.3174	0.0000	-0.4138	-0.3174	-0.0000	0.4138	0.5668	0.0022	-0.0248
SNB-Da2	0.3174	0.0000	-0.4138	-0.3174	0.0000	0.4138	0.5668	-0.0026	-0.0248
SNB-Db1	0.3174	0.0000	-0.4138	-0.3174	-0.0000	0.4138	0.4994	0.0027	-0.0224
SNB-Db2	0.3174	0.0000	-0.4138	-0.3174	0.0000	0.4138	0.4994	-0.0030	-0.0224
SNB-Ea1	0.3265	0.0000	-0.5437	-0.3265	-0.0000	0.5437	0.3824	0.0023	-0.0178
SNB-Ea2	0.3265	0.0000	-0.5437	-0.3265	0.0000	0.5437	0.3823	-0.0025	-0.0177
SNB-Eb1	0.3265	0.0000	-0.5437	-0.3265	-0.0000	0.5437	0.3293	0.0026	-0.0154
SNB-Eb2	0.3265	0.0000	-0.5437	-0.3265	0.0000	0.5437	0.3293	-0.0027	-0.0154
SNB-Fa1	0.4027	0.0000	-0.7547	-0.4027	-0.0000	0.7547	0.2125	0.0045	-0.0105
SNB-Fa2	0.4027	0.0000	-0.7547	-0.4027	0.0000	0.7547	0.2125	-0.0046	-0.0104
SNB-Ga1	0.3856	0.0000	-0.8508	-0.3856	-0.0000	0.8508	0.1088	0.0047	-0.0060
SNB-Ga2	0.3856	0.0000	-0.8508	-0.3856	0.0000	0.8508	0.1088	-0.0047	-0.0060
SNB-Ha1	0.3577	0.0000	-0.8934	-0.3577	-0.0000	0.8934	0.0390	0.0053	-0.0029
SNB-Ha2	0.3577	0.0000	-0.8934	-0.3577	0.0000	0.8934	0.0390	-0.0053	-0.0029
SNB-Ia1	0.3769	0.0000	-0.9677	-0.3769	-0.0000	0.9677	0.0057	0.0069	-0.0012
SNB-Ia2	0.3769	0.0000	-0.9677	-0.3769	0.0000	0.9677	0.0057	-0.0069	-0.0012

*** 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	0.6865	1.194	-0.116	0.0000	0.0000	0.0000	5.02	1.194	179.9
RohnBP	0.5537	0.9646	-0.1104	0.0000	0.0000	0.0000	5.675	0.9646	159.9
RohnCP	0.4253	0.7418	-0.1026	0.0000	0.0000	0.0000	6.334	0.7418	139.9
RohnDP	0.3086	0.5398	-0.09219	0.0000	0.0000	0.0000	7.004	0.5398	119.9
RohnEP	0.2105	0.3709	-0.07813	0.0000	0.0000	0.0000	7.691	0.3709	99.92
RohnFP	0.133	0.2369	-0.06432	0.0000	0.0000	0.0000	8.401	0.2369	79.94
RohnGP	0.07318	0.1344	-0.04954	0.0000	0.0000	0.0000	9.128	0.1344	59.95
RohnHP	0.03065	0.06068	-0.03413	0.0000	0.0000	0.0000	9.872	0.06068	39.97
RohnIP	0.005426	0.01672	-0.01685	0.0000	0.0000	0.0000	10.64	0.01672	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.6874	1.19	-0.09726	0.0000	0.0000	0.0000	3.02	1.19	179.9
SNB-BP	0.5545	0.9611	-0.09235	0.0000	0.0000	0.0000	3.676	0.9611	159.9
SNB-CP	0.4261	0.7397	-0.08614	0.0000	0.0000	0.0000	4.334	0.7397	139.9
SNB-DP	0.3094	0.5384	-0.07778	0.0000	0.0000	0.0000	5.004	0.5384	119.9
SNB-EP	0.2113	0.3691	-0.0662	0.0000	0.0000	0.0000	5.692	0.3691	99.93
SNB-FP	0.1338	0.2357	-0.05568	0.0000	0.0000	0.0000	6.402	0.2357	79.94
SNB-GP	0.07397	0.1328	-0.04319	0.0000	0.0000	0.0000	7.129	0.1328	59.96
SNB-HP	0.03143	0.0597	-0.03006	0.0000	0.0000	0.0000	7.872	0.0597	39.97
SNB-IP	0.006207	0.01576	-0.01507	0.0000	0.0000	0.0000	8.634	0.01576	19.98
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.6925	1.19	-0.03095	0.0000	0.0000	0.0000	-1.474	-2.562	180
RohnA2	0.6862	1.187	-0.1157	0.0000	0.0000	0.0000	-1.48	4.939	179.9
RohnB1	0.5602	0.9614	-0.01253	0.0000	0.0000	0.0000	-2	-3.474	160
RohnB2	0.5535	0.9574	-0.1102	0.0000	0.0000	0.0000	-2.007	5.392	159.9
RohnC1	0.4317	0.7406	0.002039	0.0000	0.0000	0.0000	-2.523	-4.377	140
RohnC2	0.4254	0.7357	-0.1024	0.0000	0.0000	0.0000	-2.529	5.853	139.9
RohnD1	0.315	0.5398	0.01177	0.0000	0.0000	0.0000	-3.033	-5.258	120
RohnD2	0.3094	0.5343	-0.09205	0.0000	0.0000	0.0000	-3.038	6.332	119.9
RohnE1	0.2168	0.371	0.01425	0.0000	0.0000	0.0000	-3.524	-6.108	100
RohnE2	0.2127	0.3655	-0.07802	0.0000	0.0000	0.0000	-3.528	6.844	99.92
RohnF1	0.1393	0.238	0.01565	0.0000	0.0000	0.0000	-3.995	-6.922	80.02
RohnF2	0.1362	0.232	-0.06425	0.0000	0.0000	0.0000	-3.998	7.392	79.94
RohnG1	0.07953	0.1354	0.01449	0.0000	0.0000	0.0000	-4.448	-7.706	60.01
RohnG2	0.07793	0.1294	-0.0495	0.0000	0.0000	0.0000	-4.45	7.971	59.95
RohnH1	0.037	0.06261	0.01162	0.0000	0.0000	0.0000	-4.884	-8.46	40.01
RohnH2	0.03602	0.05615	-0.03411	0.0000	0.0000	0.0000	-4.884	8.579	39.97
RohnI1	0.01124	0.01874	0.005382	0.0000	0.0000	0.0000	-5.304	-9.187	20.01
RohnI2	0.01115	0.0127	-0.01684	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	0.6889	1.191	-0.05092	0.0000	0.0000	0.0000	-0.4776	-0.8293	179.9
SNB-A2	0.6888	1.189	-0.0972	0.0000	0.0000	0.0000	-0.4777	3.21	179.9
SNB-B1	0.5566	0.9625	-0.03182	0.0000	0.0000	0.0000	-1.004	-1.74	160
SNB-B2	0.5563	0.96	-0.09227	0.0000	0.0000	0.0000	-1.004	3.663	159.9
SNB-C1	0.4287	0.7414	-0.01523	0.0000	0.0000	0.0000	-1.525	-2.643	140
SNB-C2	0.4284	0.7384	-0.08607	0.0000	0.0000	0.0000	-1.526	4.123	139.9
SNB-D1	0.3124	0.5404	-0.003307	0.0000	0.0000	0.0000	-2.035	-3.526	120
SNB-D2	0.312	0.5368	-0.07771	0.0000	0.0000	0.0000	-2.035	4.603	119.9
SNB-E1	0.2146	0.3713	0.001686	0.0000	0.0000	0.0000	-2.526	-4.375	100
SNB-E2	0.2143	0.3673	-0.06615	0.0000	0.0000	0.0000	-2.526	5.114	99.93
SNB-F1	0.1376	0.238	0.007222	0.0000	0.0000	0.0000	-2.996	-5.19	80.01
SNB-F2	0.1374	0.2336	-0.05564	0.0000	0.0000	0.0000	-2.997	5.662	79.94
SNB-G1	0.07817	0.1353	0.008573	0.0000	0.0000	0.0000	-3.449	-5.975	60.01
SNB-G2	0.0781	0.1304	-0.04316	0.0000	0.0000	0.0000	-3.449	6.24	59.96
SNB-H1	0.03599	0.06229	0.008189	0.0000	0.0000	0.0000	-3.885	-6.728	40.01
SNB-H2	0.036	0.05705	-0.03004	0.0000	0.0000	0.0000	-3.884	6.848	39.97
SNB-I1	0.01054	0.01824	0.004221	0.0000	0.0000	0.0000	-4.303	-7.454	20
SNB-I2	0.01054	0.01325	-0.01506	0.0000	0.0000	0.0000	-4.303	7.485	19.98
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.707	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.707	8.154	0
RohnAaS	0.6532	1.136	-0.1148	0.0000	0.0000	0.0000	5.183	1.136	174.9
RohnAbS	0.6199	1.079	-0.1135	0.0000	0.0000	0.0000	5.347	1.079	169.9
RohnAcS	0.5868	1.022	-0.112	0.0000	0.0000	0.0000	5.511	1.022	164.9
RohnBaS	0.5211	0.9076	-0.1088	0.0000	0.0000	0.0000	5.839	0.9076	154.9
RohnBbS	0.4886	0.8524	-0.1069	0.0000	0.0000	0.0000	6.004	0.8524	149.9

RohnBcS	0.4568	0.797	-0.1049	0.0000	0.0000	0.0000	6.169	0.797	144.9
RohnCaS	0.385	0.6728	-0.09952	0.0000	0.0000	0.0000	6.556	0.6728	133.2
RohnCbS	0.3461	0.6042	-0.09602	0.0000	0.0000	0.0000	6.779	0.6042	126.6
RohnDaS	0.2738	0.4798	-0.08792	0.0000	0.0000	0.0000	7.231	0.4798	113.3
RohnDbS	0.2411	0.4218	-0.08318	0.0000	0.0000	0.0000	7.46	0.4218	106.6
RohnEaS	0.1831	0.3225	-0.07377	0.0000	0.0000	0.0000	7.926	0.3225	93.27
RohnEbS	0.1573	0.2774	-0.06915	0.0000	0.0000	0.0000	8.163	0.2774	86.59
RohnFaS	0.102	0.178	-0.05714	0.0000	0.0000	0.0000	8.763	0.178	69.94
RohnGaS	0.05088	0.08991	-0.04201	0.0000	0.0000	0.0000	9.499	0.08991	49.96
RohnHaS	0.01648	0.03057	-0.0257	0.0000	0.0000	0.0000	10.25	0.03057	29.97
RohnIaS	-0.002826	0.001871	-0.008853	0.0000	0.0000	0.0000	11.02	0.001871	9.991
SNB-AaS	0.6541	1.133	-0.09616	0.0000	0.0000	0.0000	3.184	1.133	174.9
SNB-AbS	0.6208	1.075	-0.095	0.0000	0.0000	0.0000	3.348	1.075	169.9
SNB-AcS	0.5876	1.018	-0.09372	0.0000	0.0000	0.0000	3.512	1.018	164.9
SNB-BaS	0.5219	0.9044	-0.09095	0.0000	0.0000	0.0000	3.84	0.9044	154.9
SNB-BbS	0.4895	0.8488	-0.08946	0.0000	0.0000	0.0000	4.004	0.8488	149.9
SNB-BcS	0.4577	0.7934	-0.08785	0.0000	0.0000	0.0000	4.169	0.7934	144.9
SNB-CaS	0.3859	0.6691	-0.08362	0.0000	0.0000	0.0000	4.556	0.6691	133.3
SNB-CbS	0.3469	0.6014	-0.0808	0.0000	0.0000	0.0000	4.78	0.6014	126.6
SNB-DaS	0.2746	0.4766	-0.07426	0.0000	0.0000	0.0000	5.231	0.4766	113.3
SNB-DbS	0.2419	0.4194	-0.07036	0.0000	0.0000	0.0000	5.461	0.4194	106.6
SNB-EaS	0.1839	0.3209	-0.06291	0.0000	0.0000	0.0000	5.927	0.3209	93.28
SNB-EbS	0.1581	0.2759	-0.05937	0.0000	0.0000	0.0000	6.164	0.2759	86.6
SNB-FaS	0.1028	0.1764	-0.0496	0.0000	0.0000	0.0000	6.764	0.1764	69.95
SNB-GaS	0.05167	0.08905	-0.0368	0.0000	0.0000	0.0000	7.5	0.08905	49.96
SNB-HaS	0.01726	0.02999	-0.02279	0.0000	0.0000	0.0000	8.252	0.02999	29.98
SNB-IaS	-0.002045	0.001371	-0.008078	0.0000	0.0000	0.0000	9.019	0.001371	9.992
RohnAa1	0.6595	1.133	-0.02603	0.0000	0.0000	0.0000	-1.606	-2.79	175
RohnAa2	0.6525	1.129	-0.1146	0.0000	0.0000	0.0000	-1.613	5.052	174.9
RohnAb1	0.6262	1.075	-0.02128	0.0000	0.0000	0.0000	-1.737	-3.018	170
RohnAb2	0.6196	1.072	-0.1133	0.0000	0.0000	0.0000	-1.744	5.165	169.9
RohnAc1	0.5931	1.018	-0.01677	0.0000	0.0000	0.0000	-1.869	-3.246	165
RohnAc2	0.586	1.014	-0.1118	0.0000	0.0000	0.0000	-1.876	5.279	164.9
RohnBa1	0.5274	0.9052	-0.008425	0.0000	0.0000	0.0000	-2.132	-3.7	155
RohnBa2	0.5206	0.9009	-0.1086	0.0000	0.0000	0.0000	-2.138	5.506	154.9
RohnBb1	0.4951	0.8495	-0.004625	0.0000	0.0000	0.0000	-2.262	-3.927	150
RohnBb2	0.4891	0.8454	-0.1068	0.0000	0.0000	0.0000	-2.268	5.621	149.9
RohnBc1	0.4631	0.7946	-0.001101	0.0000	0.0000	0.0000	-2.393	-4.152	145
RohnBc2	0.4572	0.7903	-0.1047	0.0000	0.0000	0.0000	-2.399	5.737	144.9
RohnCa1	0.3913	0.6711	0.005993	0.0000	0.0000	0.0000	-2.694	-4.673	133.3
RohnCa2	0.3859	0.6665	-0.09935	0.0000	0.0000	0.0000	-2.699	6.011	133.2
RohnCb1	0.3523	0.604	0.00928	0.0000	0.0000	0.0000	-2.864	-4.967	126.7
RohnCb2	0.3462	0.5987	-0.09586	0.0000	0.0000	0.0000	-2.87	6.17	126.6
RohnDa1	0.2799	0.4796	0.0134	0.0000	0.0000	0.0000	-3.198	-5.545	113.4
RohnDa2	0.2749	0.4743	-0.08778	0.0000	0.0000	0.0000	-3.203	6.499	113.3
RohnDb1	0.2472	0.4233	0.01422	0.0000	0.0000	0.0000	-3.362	-5.829	106.7
RohnDb2	0.2413	0.4173	-0.08306	0.0000	0.0000	0.0000	-3.368	6.669	106.6
RohnEa1	0.1893	0.3238	0.01522	0.0000	0.0000	0.0000	-3.682	-6.382	93.36
RohnEa2	0.1847	0.3177	-0.07367	0.0000	0.0000	0.0000	-3.687	7.023	93.27
RohnEb1	0.1634	0.2794	0.01569	0.0000	0.0000	0.0000	-3.84	-6.654	86.68
RohnEb2	0.1589	0.273	-0.06906	0.0000	0.0000	0.0000	-3.844	7.206	86.59
RohnFa1	0.1077	0.1838	0.01558	0.0000	0.0000	0.0000	-4.223	-7.317	70.02
RohnFa2	0.101	0.1759	-0.05708	0.0000	0.0000	0.0000	-4.23	7.677	69.94
RohnGa1	0.0568	0.09648	0.01344	0.0000	0.0000	0.0000	-4.667	-8.086	50.01
RohnGa2	0.05088	0.08806	-0.04197	0.0000	0.0000	0.0000	-4.673	8.27	49.96
RohnHa1	0.0228	0.03839	0.008831	0.0000	0.0000	0.0000	-5.095	-8.826	30.01
RohnHa2	0.01731	0.029	-0.02568	0.0000	0.0000	0.0000	-5.1	8.893	29.97
RohnIa1	0.006587	0.01105	0.002632	0.0000	0.0000	0.0000	-5.506	-9.537	10
RohnIa2	0.002718	-0.001696	-0.008847	0.0000	0.0000	0.0000	-5.51	9.546	9.991
SNB-Aa1	0.6558	1.134	-0.04596	0.0000	0.0000	0.0000	-0.6092	-1.057	175
SNB-Aa2	0.6554	1.132	-0.09609	0.0000	0.0000	0.0000	-0.6096	3.323	174.9
SNB-Ab1	0.6225	1.076	-0.04105	0.0000	0.0000	0.0000	-0.741	-1.285	170
SNB-Ab2	0.6224	1.074	-0.09493	0.0000	0.0000	0.0000	-0.7411	3.436	169.9
SNB-Ac1	0.5895	1.019	-0.03633	0.0000	0.0000	0.0000	-0.8725	-1.513	165
SNB-Ac2	0.5889	1.017	-0.09365	0.0000	0.0000	0.0000	-0.8731	3.549	164.9
SNB-Ba1	0.524	0.9062	-0.02735	0.0000	0.0000	0.0000	-1.135	-1.967	155
SNB-Ba2	0.5234	0.9035	-0.09088	0.0000	0.0000	0.0000	-1.135	3.777	154.9
SNB-Bb1	0.4918	0.8505	-0.02307	0.0000	0.0000	0.0000	-1.265	-2.193	150
SNB-Bb2	0.4914	0.8477	-0.08939	0.0000	0.0000	0.0000	-1.266	3.891	149.9
SNB-Bc1	0.4599	0.7955	-0.01903	0.0000	0.0000	0.0000	-1.396	-2.419	145
SNB-Bc2	0.4592	0.7924	-0.08778	0.0000	0.0000	0.0000	-1.396	4.006	144.9
SNB-Ca1	0.3884	0.6718	-0.01065	0.0000	0.0000	0.0000	-1.697	-2.94	133.3
SNB-Ca2	0.3872	0.6683	-0.08356	0.0000	0.0000	0.0000	-1.698	4.28	133.3
SNB-Cb1	0.3495	0.6046	-0.006685	0.0000	0.0000	0.0000	-1.867	-3.234	126.7

SNB-Cb2	0.348	0.6007	-0.08074	0.0000	0.0000	0.0000	-1.869	4.44	126.6
SNB-Da1	0.2775	0.48	-0.0008561	0.0000	0.0000	0.0000	-2.201	-3.813	113.3
SNB-Da2	0.2759	0.4758	-0.0742	0.0000	0.0000	0.0000	-2.203	4.768	113.3
SNB-Db1	0.2449	0.4237	0.0007759	0.0000	0.0000	0.0000	-2.365	-4.096	106.7
SNB-Db2	0.2426	0.419	-0.0703	0.0000	0.0000	0.0000	-2.367	4.939	106.6
SNB-Ea1	0.1873	0.324	0.004028	0.0000	0.0000	0.0000	-2.684	-4.65	93.34
SNB-Ea2	0.1862	0.3195	-0.06287	0.0000	0.0000	0.0000	-2.685	5.293	93.28
SNB-Eb1	0.1615	0.2795	0.005843	0.0000	0.0000	0.0000	-2.841	-4.922	86.67
SNB-Eb2	0.1601	0.2747	-0.05933	0.0000	0.0000	0.0000	-2.843	5.476	86.6
SNB-Fa1	0.1062	0.1838	0.00835	0.0000	0.0000	0.0000	-3.225	-5.585	70.01
SNB-Fa2	0.1015	0.1771	-0.04957	0.0000	0.0000	0.0000	-3.229	5.946	69.95
SNB-Ga1	0.05562	0.09625	0.008783	0.0000	0.0000	0.0000	-3.668	-6.354	50.01
SNB-Ga2	0.05133	0.08923	-0.03677	0.0000	0.0000	0.0000	-3.673	6.539	49.96
SNB-Ha1	0.02194	0.03798	0.006561	0.0000	0.0000	0.0000	-4.095	-7.093	30.01
SNB-Ha2	0.01735	0.02992	-0.02278	0.0000	0.0000	0.0000	-4.1	7.161	29.98
SNB-Ia1	0.00604	0.01046	0.002087	0.0000	0.0000	0.0000	-4.505	-7.802	10
SNB-Ia2	0.002207	-0.001089	-0.008075	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	-2.81	0.0	-2.33	0.0	137.23	0.0	0.0	137.28	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	-3.49	0.0	-5.23	0.0	188.59	0.0	0.0	188.69	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	-10.58	0.0	-17.94	0.0	-207.51	0.0	0.0	208.55	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	-0.30	0.0	-3.41	0.0	137.08	0.0	0.0	137.12	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	-20.72	0.0	-35.88	0.0	-321.38	0.0	0.0	324.04	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	-2.77	0.0	-5.64	0.0	188.43	0.0	0.0	188.53	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	0.8627	1.4942	-0.6537	-0.8627	-1.4942	0.6537	0.6865	1.1940	-0.1160
RohnBP	0.2673	0.4629	-0.5461	-0.2673	-0.4629	0.5461	0.5537	0.9646	-0.1104
RohnCP	0.2811	0.4868	-0.6616	-0.2811	-0.4868	0.6616	0.4253	0.7418	-0.1026
RohnDP	0.3026	0.5241	-0.7943	-0.3026	-0.5241	0.7943	0.3086	0.5398	-0.0922
RohnEP	0.3065	0.5309	-0.9574	-0.3065	-0.5309	0.9574	0.2105	0.3709	-0.0781
RohnFP	0.3452	0.5979	-1.2984	-0.3452	-0.5979	1.2984	0.1330	0.2369	-0.0643
RohnGP	0.3864	0.6693	-1.6255	-0.3864	-0.6693	1.6255	0.0732	0.1344	-0.0495
RohnHP	0.3501	0.6065	-1.7441	-0.3501	-0.6065	1.7441	0.0307	0.0607	-0.0341
RohnIP	0.3434	0.5947	-1.8611	-0.3434	-0.5947	1.8611	0.0054	0.0167	-0.0169
RohnJP	0.1754	0.3038	-0.9677	2.6305	2.0293	-136.2649	0.0000	0.0000	0.0000
SNB-AP	0.1370	0.2372	-0.2650	-0.1370	-0.2372	0.2650	0.6874	1.1901	-0.0973
SNB-BP	0.2673	0.4629	-0.5461	-0.2673	-0.4629	0.5461	0.5545	0.9611	-0.0923
SNB-CP	0.2811	0.4868	-0.6616	-0.2811	-0.4868	0.6616	0.4261	0.7397	-0.0861
SNB-DP	0.3026	0.5241	-0.7943	-0.3026	-0.5241	0.7943	0.3094	0.5384	-0.0778
SNB-EP	0.3065	0.5309	-0.9574	-0.3065	-0.5309	0.9574	0.2113	0.3691	-0.0662
SNB-FP	0.3452	0.5979	-1.2984	-0.3452	-0.5979	1.2984	0.1338	0.2357	-0.0557
SNB-GP	0.3726	0.6454	-1.6055	-0.3726	-0.6454	1.6055	0.0740	0.1328	-0.0432
SNB-HP	0.3501	0.6065	-1.7441	-0.3501	-0.6065	1.7441	0.0314	0.0597	-0.0301
SNB-IP	0.3434	0.5947	-1.8611	-0.3434	-0.5947	1.8611	0.0062	0.0158	-0.0151
SNB-JP	0.1754	0.3038	-0.9677	3.3185	4.9244	-187.6197	0.0000	0.0000	0.0000
RohnA1	0.8766	1.5183	-0.6344	-0.8766	-1.5183	0.6344	0.6925	1.1901	-0.0309
RohnA2	0.7629	1.3214	-0.5943	-0.7629	-1.3214	0.5943	0.6862	1.1869	-0.1157
RohnB1	0.2673	0.4629	-0.5461	-0.2673	-0.4629	0.5461	0.5602	0.9614	-0.0125
RohnB2	0.2673	0.4629	-0.5461	-0.2673	-0.4629	0.5461	0.5535	0.9574	-0.1102
RohnC1	0.2811	0.4868	-0.6616	-0.2811	-0.4868	0.6616	0.4317	0.7406	0.0020
RohnC2	0.2811	0.4868	-0.6616	-0.2811	-0.4868	0.6616	0.4254	0.7357	-0.1024
RohnD1	0.3496	0.6056	-0.8158	-0.3496	-0.6056	0.8158	0.3150	0.5398	0.0118
RohnD2	0.3026	0.5241	-0.7943	-0.3026	-0.5241	0.7943	0.3094	0.5343	-0.0920
RohnE1	0.3065	0.5309	-0.9574	-0.3065	-0.5309	0.9574	0.2168	0.3710	0.0142
RohnE2	0.3065	0.5309	-0.9574	-0.3065	-0.5309	0.9574	0.2127	0.3655	-0.0780
RohnF1	0.3452	0.5979	-1.2984	-0.3452	-0.5979	1.2984	0.1393	0.2380	0.0157
RohnF2	0.3452	0.5979	-1.2984	-0.3452	-0.5979	1.2984	0.1362	0.2320	-0.0642
RohnG1	0.3864	0.6693	-1.6255	-0.3864	-0.6693	1.6255	0.0795	0.1354	0.0145
RohnG2	0.3864	0.6693	-1.6355	-0.3864	-0.6693	1.6355	0.0779	0.1294	-0.0495
RohnH1	0.3501	0.6065	-1.7441	-0.3501	-0.6065	1.7441	0.0370	0.0626	0.0116
RohnH2	0.3501	0.6065	-1.7441	-0.3501	-0.6065	1.7441	0.0360	0.0561	-0.0341

RohnI1	0.3434	0.5947	-1.8611	-0.3434	-0.5947	1.8611	0.0112	0.0187	0.0054
RohnI2	0.3434	0.5947	-1.8611	-0.3434	-0.5947	1.8611	0.0111	0.0127	-0.0168
RohnJ1	0.1754	0.3038	-0.9677	10.4010	17.6386	208.4732	0.0000	0.0000	0.0000
RohnJ2	0.1754	0.3038	-0.9677	0.1248	3.1090	-136.1133	0.0000	0.0000	0.0000
SNB-A1	0.1370	0.2372	-0.2650	-0.1370	-0.2373	0.2650	0.6889	1.1912	-0.0509
SNB-A2	0.1370	0.2372	-0.2650	-0.1370	-0.2372	0.2650	0.6888	1.1893	-0.0972
SNB-B1	0.2673	0.4629	-0.5461	-0.2673	-0.4629	0.5461	0.5566	0.9625	-0.0318
SNB-B2	0.2673	0.4629	-0.5461	-0.2673	-0.4629	0.5461	0.5563	0.9600	-0.0923
SNB-C1	0.2811	0.4868	-0.6616	-0.2811	-0.4868	0.6616	0.4287	0.7414	-0.0152
SNB-C2	0.2811	0.4868	-0.6616	-0.2811	-0.4868	0.6616	0.4284	0.7384	-0.0861
SNB-D1	0.3026	0.5241	-0.7943	-0.3026	-0.5241	0.7943	0.3124	0.5404	-0.0033
SNB-D2	0.3026	0.5241	-0.7943	-0.3026	-0.5241	0.7943	0.3120	0.5368	-0.0777
SNB-E1	0.3065	0.5309	-0.9574	-0.3065	-0.5310	0.9574	0.2146	0.3713	0.0017
SNB-E2	0.3065	0.5309	-0.9574	-0.3065	-0.5309	0.9574	0.2143	0.3673	-0.0661
SNB-F1	0.3452	0.5979	-1.2984	-0.3452	-0.5979	1.2984	0.1376	0.2380	0.0072
SNB-F2	0.3452	0.5979	-1.2984	-0.3452	-0.5979	1.2984	0.1374	0.2336	-0.0556
SNB-G1	0.3726	0.6454	-1.6055	-0.3726	-0.6454	1.6055	0.0782	0.1353	0.0086
SNB-G2	0.3726	0.6454	-1.6055	-0.3726	-0.6454	1.6055	0.0781	0.1304	-0.0432
SNB-H1	0.3501	0.6065	-1.7441	-0.3501	-0.6065	1.7441	0.0360	0.0623	0.0082
SNB-H2	0.3501	0.6065	-1.7441	-0.3501	-0.6065	1.7441	0.0360	0.0570	-0.0300
SNB-I1	0.3434	0.5947	-1.8611	-0.3434	-0.5947	1.8611	0.0105	0.0182	0.0042
SNB-I2	0.3434	0.5947	-1.8611	-0.3434	-0.5947	1.8611	0.0105	0.0132	-0.0151
SNB-J1	0.1754	0.3038	-0.9677	20.5428	35.5731	322.3505	0.0000	0.0000	0.0000
SNB-J2	0.1754	0.3038	-0.9677	2.5926	5.3326	-187.4608	0.0000	0.0000	0.0000
RohnAaS	0.1557	0.2697	-0.2800	-0.1557	-0.2696	0.2800	0.6532	1.1361	-0.1148
RohnAbS	0.2479	0.4294	-0.3827	-0.2479	-0.4294	0.3827	0.6199	1.0791	-0.1135
RohnAcS	0.3780	0.6546	-0.3850	-0.3780	-0.6546	0.3850	0.5868	1.0216	-0.1120
RohnBaS	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.5211	0.9076	-0.1088
RohnBbS	0.5635	0.9760	-1.2185	-0.5635	-0.9760	1.2185	0.4886	0.8524	-0.1069
RohnBcS	0.5868	1.0164	-1.0823	-0.5868	-1.0164	1.0823	0.4568	0.7970	-0.1049
RohnCaS	0.6572	1.1384	-1.1605	-0.6572	-1.1384	1.1605	0.3850	0.6728	-0.0995
RohnCbS	0.1902	0.3294	-0.4594	-0.1902	-0.3294	0.4594	0.3461	0.6042	-0.0960
RohnDaS	0.5302	0.9184	-1.1703	-0.5302	-0.9184	1.1703	0.2738	0.4798	-0.0879
RohnDbS	0.1518	0.2630	-0.4138	-0.1518	-0.2630	0.4138	0.2411	0.4218	-0.0832
RohnEaS	0.2485	0.4304	-0.6147	-0.2485	-0.4304	0.6147	0.1831	0.3225	-0.0738
RohnEbS	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1573	0.2774	-0.0691
RohnFaS	0.1905	0.3299	-0.7547	-0.1905	-0.3299	0.7547	0.1020	0.1780	-0.0571
RohnGaS	0.1822	0.3155	-0.8508	-0.1822	-0.3155	0.8508	0.0509	0.0899	-0.0420
RohnHaS	0.1680	0.2909	-0.8934	-0.1680	-0.2909	0.8934	0.0165	0.0306	-0.0257
RohnIaS	0.1754	0.3038	-0.9677	-0.1754	-0.3038	0.9677	-0.0028	0.0019	-0.0089
SNB-AaS	0.1370	0.2372	-0.2650	-0.1370	-0.2372	0.2650	0.6541	1.1326	-0.0962
SNB-AbS	0.1370	0.2372	-0.2650	-0.1370	-0.2372	0.2650	0.6208	1.0754	-0.0950
SNB-AcS	0.1370	0.2372	-0.2650	-0.1370	-0.2372	0.2650	0.5876	1.0176	-0.0937
SNB-BaS	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.5219	0.9044	-0.0909
SNB-BbS	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.4895	0.8488	-0.0895
SNB-BcS	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.4577	0.7934	-0.0879
SNB-CaS	0.1508	0.2611	-0.3805	-0.1508	-0.2611	0.3805	0.3859	0.6691	-0.0836
SNB-CbS	0.1508	0.2611	-0.3805	-0.1508	-0.2611	0.3805	0.3469	0.6014	-0.0808
SNB-DaS	0.1518	0.2630	-0.4138	-0.1518	-0.2630	0.4138	0.2746	0.4766	-0.0743
SNB-DbS	0.1518	0.2630	-0.4138	-0.1518	-0.2630	0.4138	0.2419	0.4194	-0.0704
SNB-EaS	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1839	0.3209	-0.0629
SNB-EbS	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1581	0.2759	-0.0594
SNB-FaS	0.1905	0.3299	-0.7547	-0.1905	-0.3299	0.7547	0.1028	0.1764	-0.0496
SNB-GaS	0.1822	0.3155	-0.8508	-0.1822	-0.3155	0.8508	0.0517	0.0891	-0.0368
SNB-HaS	0.1680	0.2909	-0.8934	-0.1680	-0.2909	0.8934	0.0173	0.0300	-0.0228
SNB-IaS	0.1754	0.3038	-0.9677	-0.1754	-0.3038	0.9677	-0.0020	0.0014	-0.0081
RohnAa1	0.6795	1.1769	-0.4850	-0.6795	-1.1769	0.4850	0.6595	1.1329	-0.0260
RohnAa2	0.1370	0.2372	-0.2650	-0.1370	-0.2372	0.2650	0.6525	1.1291	-0.1146
RohnAb1	0.2015	0.3491	-0.3627	-0.2015	-0.3491	0.3627	0.6262	1.0752	-0.0213
RohnAb2	0.2112	0.3658	-0.3600	-0.2112	-0.3658	0.3600	0.6196	1.0718	-0.1133
RohnAc1	0.5049	0.8745	-0.3850	-0.5049	-0.8745	0.3850	0.5931	1.0183	-0.0168
RohnAc2	0.1370	0.2372	-0.2650	-0.1370	-0.2372	0.2650	0.5860	1.0142	-0.1118
RohnBa1	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.5274	0.9052	-0.0084
RohnBa2	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.5206	0.9009	-0.1086
RohnBb1	0.5635	0.9760	-1.2185	-0.5635	-0.9760	1.2185	0.4951	0.8495	-0.0046
RohnBb2	0.5635	0.9760	-1.2185	-0.5635	-0.9760	1.2185	0.4891	0.8454	-0.1068
RohnBc1	0.5203	0.9012	-0.9891	-0.5203	-0.9012	0.9891	0.4631	0.7946	-0.0011
RohnBc2	0.5203	0.9012	-0.9891	-0.5203	-0.9012	0.9891	0.4572	0.7903	-0.1047
RohnCa1	0.6567	1.1375	-1.1505	-0.6567	-1.1375	1.1505	0.3913	0.6711	0.0060
RohnCa2	0.6572	1.1384	-1.1605	-0.6572	-1.1384	1.1605	0.3859	0.6665	-0.0993
RohnCb1	0.1508	0.2611	-0.3805	-0.1508	-0.2611	0.3805	0.3523	0.6040	0.0093
RohnCb2	0.1508	0.2611	-0.3805	-0.1508	-0.2611	0.3805	0.3462	0.5987	-0.0959
RohnDa1	0.4592	0.7953	-1.0738	-0.4592	-0.7953	1.0738	0.2799	0.4796	0.0134
RohnDa2	0.4592	0.7953	-1.0738	-0.4592	-0.7953	1.0738	0.2749	0.4743	-0.0878

RohnDb1	0.1518	0.2630	-0.4138	-0.1518	-0.2630	0.4138	0.2472	0.4233	0.0142
RohnDb2	0.1518	0.2630	-0.4138	-0.1518	-0.2630	0.4138	0.2413	0.4173	-0.0831
RohnEa1	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1893	0.3238	0.0152
RohnEa2	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1847	0.3177	-0.0737
RohnEb1	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1634	0.2794	0.0157
RohnEb2	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1589	0.2730	-0.0691
RohnFa1	0.1905	0.3299	-0.7547	-0.1905	-0.3299	0.7547	0.1077	0.1838	0.0156
RohnFa2	0.1905	0.3299	-0.7547	-0.1905	-0.3299	0.7547	0.1010	0.1759	-0.0571
RohnGa1	0.1822	0.3155	-0.8508	-0.1822	-0.3155	0.8508	0.0568	0.0965	0.0134
RohnGa2	0.1822	0.3155	-0.8508	-0.1822	-0.3155	0.8508	0.0509	0.0881	-0.0420
RohnHa1	0.1680	0.2909	-0.8934	-0.1680	-0.2909	0.8934	0.0228	0.0384	0.0088
RohnHa2	0.1680	0.2909	-0.8934	-0.1680	-0.2909	0.8934	0.0173	0.0290	-0.0257
RohnIa1	0.1754	0.3038	-0.9677	-0.1754	-0.3038	0.9677	0.0066	0.0110	0.0026
RohnIa2	0.1754	0.3038	-0.9677	-0.1754	-0.3038	0.9677	0.0027	-0.0017	-0.0088
SNB-Aa1	0.1370	0.2372	-0.2650	-0.1370	-0.2373	0.2650	0.6558	1.1340	-0.0460
SNB-Aa2	0.1370	0.2372	-0.2650	-0.1370	-0.2372	0.2650	0.6554	1.1318	-0.0961
SNB-Ab1	0.1370	0.2372	-0.2650	-0.1370	-0.2373	0.2650	0.6225	1.0764	-0.0410
SNB-Ab2	0.1370	0.2372	-0.2650	-0.1370	-0.2372	0.2650	0.6224	1.0744	-0.0949
SNB-Ac1	0.1370	0.2372	-0.2650	-0.1370	-0.2373	0.2650	0.5895	1.0194	-0.0363
SNB-Ac2	0.1370	0.2372	-0.2650	-0.1370	-0.2372	0.2650	0.5889	1.0168	-0.0936
SNB-Ba1	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.5240	0.9062	-0.0273
SNB-Ba2	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.5234	0.9035	-0.0909
SNB-Bb1	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.4918	0.8505	-0.0231
SNB-Bb2	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.4914	0.8477	-0.0894
SNB-Bc1	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.4599	0.7955	-0.0190
SNB-Bc2	0.1303	0.2257	-0.2811	-0.1303	-0.2257	0.2811	0.4592	0.7924	-0.0878
SNB-Ca1	0.1508	0.2611	-0.3805	-0.1508	-0.2611	0.3805	0.3884	0.6718	-0.0107
SNB-Ca2	0.1508	0.2611	-0.3805	-0.1508	-0.2611	0.3805	0.3872	0.6683	-0.0836
SNB-Cb1	0.1508	0.2611	-0.3805	-0.1508	-0.2611	0.3805	0.3495	0.6046	-0.0067
SNB-Cb2	0.1508	0.2611	-0.3805	-0.1508	-0.2611	0.3805	0.3480	0.6007	-0.0807
SNB-Da1	0.1518	0.2630	-0.4138	-0.1518	-0.2630	0.4138	0.2775	0.4800	-0.0009
SNB-Da2	0.1518	0.2630	-0.4138	-0.1518	-0.2630	0.4138	0.2759	0.4758	-0.0742
SNB-Db1	0.1518	0.2630	-0.4138	-0.1518	-0.2630	0.4138	0.2449	0.4237	0.0008
SNB-Db2	0.1518	0.2630	-0.4138	-0.1518	-0.2630	0.4138	0.2426	0.4190	-0.0703
SNB-Ea1	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1873	0.3240	0.0040
SNB-Ea2	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1862	0.3195	-0.0629
SNB-Eb1	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1615	0.2795	0.0058
SNB-Eb2	0.1547	0.2680	-0.5437	-0.1547	-0.2680	0.5437	0.1601	0.2747	-0.0593
SNB-Fa1	0.1905	0.3299	-0.7547	-0.1905	-0.3299	0.7547	0.1062	0.1838	0.0083
SNB-Fa2	0.1905	0.3299	-0.7547	-0.1905	-0.3299	0.7547	0.1015	0.1771	-0.0496
SNB-Ga1	0.1822	0.3155	-0.8508	-0.1822	-0.3155	0.8508	0.0556	0.0963	0.0088
SNB-Ga2	0.1822	0.3155	-0.8508	-0.1822	-0.3155	0.8508	0.0513	0.0892	-0.0368
SNB-Ha1	0.1680	0.2909	-0.8934	-0.1680	-0.2909	0.8934	0.0219	0.0380	0.0066
SNB-Ha2	0.1680	0.2909	-0.8934	-0.1680	-0.2909	0.8934	0.0174	0.0299	-0.0228
SNB-Ia1	0.1754	0.3038	-0.9677	-0.1754	-0.3038	0.9677	0.0060	0.0105	0.0021
SNB-Ia2	0.1754	0.3038	-0.9677	-0.1754	-0.3038	0.9677	0.0022	-0.0011	-0.0081

*** 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	-0.0001838	1.383	-0.08771	0.0000	0.0000	0.0000	4.333	1.383	179.9
RohnBP	-0.0008115	1.117	-0.07788	0.0000	0.0000	0.0000	5.12	1.117	159.9
RohnCP	-0.001404	0.8592	-0.06779	0.0000	0.0000	0.0000	5.908	0.8592	139.9
RohnDP	-0.001963	0.6252	-0.0576	0.0000	0.0000	0.0000	6.693	0.6252	119.9
RohnEP	-0.002491	0.4295	-0.04739	0.0000	0.0000	0.0000	7.479	0.4295	99.95
RohnFP	-0.002974	0.2742	-0.03771	0.0000	0.0000	0.0000	8.265	0.2742	79.96
RohnGP	-0.003412	0.1553	-0.02823	0.0000	0.0000	0.0000	9.052	0.1553	59.97
RohnHP	-0.003754	0.06993	-0.01891	0.0000	0.0000	0.0000	9.837	0.06993	39.98
RohnIP	-0.003662	0.01909	-0.009452	0.0000	0.0000	0.0000	10.63	0.01909	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.0006045	1.382	-0.0819	0.0000	0.0000	0.0000	2.334	1.382	179.9
SNB-BP	-2.369e-005	1.117	-0.07225	0.0000	0.0000	0.0000	3.121	1.117	159.9
SNB-CP	-0.0006171	0.8595	-0.06257	0.0000	0.0000	0.0000	3.907	0.8595	139.9
SNB-DP	-0.001178	0.6257	-0.05301	0.0000	0.0000	0.0000	4.694	0.6257	119.9
SNB-EP	-0.001707	0.4291	-0.04361	0.0000	0.0000	0.0000	5.479	0.4291	99.96
SNB-FP	-0.002192	0.274	-0.03475	0.0000	0.0000	0.0000	6.266	0.274	79.97
SNB-GP	-0.00263	0.1544	-0.02596	0.0000	0.0000	0.0000	7.052	0.1544	59.97
SNB-HP	-0.002974	0.06944	-0.01733	0.0000	0.0000	0.0000	7.838	0.06944	39.98
SNB-IP	-0.002881	0.01833	-0.008645	0.0000	0.0000	0.0000	8.625	0.01833	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.002146	1.384	-0.03834	0.0000	0.0000	0.0000	-2.164	-2.368	180
RohnA2	0.002648	1.381	-0.1368	0.0000	0.0000	0.0000	-2.164	5.133	179.9
RohnB1	0.002532	1.118	-0.021	0.0000	0.0000	0.0000	-2.558	-3.317	160
RohnB2	0.001937	1.114	-0.1345	0.0000	0.0000	0.0000	-2.559	5.549	159.9
RohnC1	0.003013	0.8613	-0.00698	0.0000	0.0000	0.0000	-2.951	-4.256	140
RohnC2	0.001084	0.8565	-0.1283	0.0000	0.0000	0.0000	-2.953	5.974	139.9
RohnD1	0.003105	0.6276	0.002833	0.0000	0.0000	0.0000	-3.344	-5.17	120
RohnD2	0.0007035	0.6225	-0.1178	0.0000	0.0000	0.0000	-3.347	6.421	119.9
RohnE1	0.002701	0.4315	0.006324	0.0000	0.0000	0.0000	-3.738	-6.047	100
RohnE2	0.001043	0.426	-0.1009	0.0000	0.0000	0.0000	-3.739	6.905	99.9
RohnF1	0.002573	0.2766	0.008808	0.0000	0.0000	0.0000	-4.131	-6.884	80.01
RohnF2	0.001213	0.2708	-0.08403	0.0000	0.0000	0.0000	-4.133	7.431	79.92
RohnG1	0.00213	0.1574	0.009018	0.0000	0.0000	0.0000	-4.525	-7.684	60.01
RohnG2	0.001796	0.1512	-0.06534	0.0000	0.0000	0.0000	-4.526	7.993	59.93
RohnH1	0.002142	0.07259	0.007713	0.0000	0.0000	0.0000	-4.918	-8.45	40.01
RohnH2	0.001913	0.06604	-0.04543	0.0000	0.0000	0.0000	-4.919	8.589	39.95
RohnI1	0.001759	0.02155	0.003488	0.0000	0.0000	0.0000	-5.313	-9.184	20
RohnI2	0.002065	0.01528	-0.02235	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	0.001971	1.383	-0.05498	0.0000	0.0000	0.0000	-1.165	-0.637	179.9
SNB-A2	0.001969	1.381	-0.1087	0.0000	0.0000	0.0000	-1.165	3.402	179.9
SNB-B1	0.001803	1.118	-0.03708	0.0000	0.0000	0.0000	-1.559	-1.585	160
SNB-B2	0.001803	1.115	-0.1073	0.0000	0.0000	0.0000	-1.559	3.818	159.9
SNB-C1	0.001691	0.8611	-0.02136	0.0000	0.0000	0.0000	-1.952	-2.523	140
SNB-C2	0.001631	0.8579	-0.1036	0.0000	0.0000	0.0000	-1.952	4.242	139.9
SNB-D1	0.001616	0.6276	-0.009722	0.0000	0.0000	0.0000	-2.346	-3.438	120
SNB-D2	0.001477	0.6239	-0.09614	0.0000	0.0000	0.0000	-2.346	4.69	119.9
SNB-E1	0.00156	0.4312	-0.004142	0.0000	0.0000	0.0000	-2.739	-4.315	100
SNB-E2	0.001399	0.4272	-0.08294	0.0000	0.0000	0.0000	-2.739	5.174	99.92
SNB-F1	0.001504	0.2763	0.001834	0.0000	0.0000	0.0000	-3.132	-5.152	80
SNB-F2	0.00144	0.2718	-0.0712	0.0000	0.0000	0.0000	-3.133	5.7	79.93
SNB-G1	0.001511	0.1569	0.00415	0.0000	0.0000	0.0000	-3.526	-5.953	60
SNB-G2	0.001505	0.152	-0.05598	0.0000	0.0000	0.0000	-3.526	6.262	59.94
SNB-H1	0.001548	0.07203	0.004928	0.0000	0.0000	0.0000	-3.919	-6.718	40
SNB-H2	0.001583	0.06676	-0.03951	0.0000	0.0000	0.0000	-3.919	6.857	39.96
SNB-I1	0.001463	0.02082	0.002581	0.0000	0.0000	0.0000	-4.313	-7.451	20
SNB-I2	0.001459	0.01583	-0.01984	0.0000	0.0000	0.0000	-4.313	7.488	19.98
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.707	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.707	8.154	0
RohnAaS	-0.0003109	1.316	-0.08527	0.0000	0.0000	0.0000	4.53	1.316	174.9
RohnAbS	-0.0004905	1.249	-0.08283	0.0000	0.0000	0.0000	4.727	1.249	169.9
RohnAcS	-0.0006009	1.183	-0.08036	0.0000	0.0000	0.0000	4.923	1.183	164.9
RohnBaS	-0.0008898	1.051	-0.07539	0.0000	0.0000	0.0000	5.317	1.051	154.9
RohnBbS	-0.001119	0.987	-0.07291	0.0000	0.0000	0.0000	5.514	0.987	149.9

RohnBcS	-0.001175	0.923	-0.07037	0.0000	0.0000	0.0000	5.711	0.923	144.9
RohnCaS	-0.001499	0.7792	-0.06442	0.0000	0.0000	0.0000	6.169	0.7792	133.3
RohnCbS	-0.001672	0.6998	-0.06098	0.0000	0.0000	0.0000	6.432	0.6998	126.6
RohnDaS	-0.00203	0.5557	-0.05421	0.0000	0.0000	0.0000	6.955	0.5557	113.3
RohnDbS	-0.002169	0.4886	-0.05076	0.0000	0.0000	0.0000	7.217	0.4886	106.6
RohnEaS	-0.002573	0.3734	-0.04416	0.0000	0.0000	0.0000	7.74	0.3734	93.3
RohnEbS	-0.002711	0.3212	-0.04091	0.0000	0.0000	0.0000	8.003	0.3212	86.62
RohnFaS	-0.002822	0.2061	-0.03292	0.0000	0.0000	0.0000	8.659	0.2061	69.97
RohnGaS	-0.003276	0.104	-0.02354	0.0000	0.0000	0.0000	9.445	0.104	49.98
RohnHaS	-0.003844	0.03531	-0.0142	0.0000	0.0000	0.0000	10.23	0.03531	29.99
RohnIaS	-0.006157	0.002156	-0.005028	0.0000	0.0000	0.0000	11.02	0.002156	9.995
SNB-AaS	0.0004773	1.316	-0.0795	0.0000	0.0000	0.0000	2.53	1.316	174.9
SNB-AbS	0.0002976	1.249	-0.0771	0.0000	0.0000	0.0000	2.727	1.249	169.9
SNB-AcS	0.0001872	1.182	-0.07467	0.0000	0.0000	0.0000	2.924	1.182	164.9
SNB-BaS	-0.0001021	1.051	-0.06982	0.0000	0.0000	0.0000	3.318	1.051	154.9
SNB-BbS	-0.0003313	0.9861	-0.0674	0.0000	0.0000	0.0000	3.514	0.9861	149.9
SNB-BcS	-0.0003869	0.9218	-0.06498	0.0000	0.0000	0.0000	3.711	0.9218	144.9
SNB-CaS	-0.0007118	0.7775	-0.05936	0.0000	0.0000	0.0000	4.169	0.7775	133.3
SNB-CbS	-0.0008856	0.6988	-0.05615	0.0000	0.0000	0.0000	4.432	0.6988	126.6
SNB-DaS	-0.001244	0.5539	-0.04984	0.0000	0.0000	0.0000	4.955	0.5539	113.3
SNB-DbS	-0.001385	0.4875	-0.04668	0.0000	0.0000	0.0000	5.218	0.4875	106.6
SNB-EaS	-0.00179	0.373	-0.04064	0.0000	0.0000	0.0000	5.741	0.373	93.3
SNB-EbS	-0.001928	0.3208	-0.03767	0.0000	0.0000	0.0000	6.004	0.3208	86.62
SNB-FaS	-0.002041	0.2052	-0.0303	0.0000	0.0000	0.0000	6.659	0.2052	69.97
SNB-GaS	-0.002495	0.1036	-0.02161	0.0000	0.0000	0.0000	7.446	0.1036	49.98
SNB-HaS	-0.003064	0.03497	-0.01301	0.0000	0.0000	0.0000	8.231	0.03497	29.99
SNB-IaS	-0.005375	0.001647	-0.004691	0.0000	0.0000	0.0000	9.016	0.001647	9.995
RohnAa1	0.002017	1.318	-0.03373	0.0000	0.0000	0.0000	-2.263	-2.605	175
RohnAa2	0.002162	1.314	-0.1366	0.0000	0.0000	0.0000	-2.263	5.237	174.9
RohnAb1	0.002424	1.251	-0.02927	0.0000	0.0000	0.0000	-2.361	-2.843	170
RohnAb2	0.002425	1.247	-0.1361	0.0000	0.0000	0.0000	-2.361	5.341	169.9
RohnAc1	0.002258	1.185	-0.02502	0.0000	0.0000	0.0000	-2.46	-3.08	165
RohnAc2	0.001822	1.18	-0.1354	0.0000	0.0000	0.0000	-2.46	5.445	164.9
RohnBa1	0.002738	1.053	-0.0171	0.0000	0.0000	0.0000	-2.656	-3.553	155
RohnBa2	0.001485	1.049	-0.1334	0.0000	0.0000	0.0000	-2.658	5.654	154.9
RohnBb1	0.002508	0.9883	-0.01346	0.0000	0.0000	0.0000	-2.755	-3.788	150
RohnBb2	0.00177	0.9838	-0.1321	0.0000	0.0000	0.0000	-2.756	5.76	149.9
RohnBc1	0.002612	0.9243	-0.01006	0.0000	0.0000	0.0000	-2.853	-4.022	145
RohnBc2	0.001478	0.9199	-0.1304	0.0000	0.0000	0.0000	-2.855	5.867	144.9
RohnCa1	0.002643	0.7806	-0.003095	0.0000	0.0000	0.0000	-3.083	-4.563	133.3
RohnCa2	0.001282	0.7759	-0.1255	0.0000	0.0000	0.0000	-3.084	6.12	133.2
RohnCb1	0.003195	0.7022	0.0002201	0.0000	0.0000	0.0000	-3.213	-4.869	126.7
RohnCb2	0.0006307	0.6974	-0.1219	0.0000	0.0000	0.0000	-3.216	6.269	126.5
RohnDa1	0.002896	0.5577	0.004695	0.0000	0.0000	0.0000	-3.475	-5.467	113.3
RohnDa2	0.0008192	0.5526	-0.1129	0.0000	0.0000	0.0000	-3.478	6.577	113.2
RohnDb1	0.003479	0.4918	0.005865	0.0000	0.0000	0.0000	-3.606	-5.76	106.7
RohnDb2	8.303e-005	0.4867	-0.1072	0.0000	0.0000	0.0000	-3.61	6.739	106.6
RohnEa1	0.003101	0.3762	0.007594	0.0000	0.0000	0.0000	-3.868	-6.329	93.35
RohnEa2	0.0005367	0.3708	-0.0957	0.0000	0.0000	0.0000	-3.871	7.076	93.24
RohnEb1	0.003168	0.3245	0.008423	0.0000	0.0000	0.0000	-4	-6.609	86.67
RohnEb2	0.0004	0.3189	-0.09006	0.0000	0.0000	0.0000	-4.003	7.252	86.57
RohnFa1	0.004518	0.2124	0.009371	0.0000	0.0000	0.0000	-4.326	-7.289	70.01
RohnFa2	-0.0013	0.2068	-0.0751	0.0000	0.0000	0.0000	-4.332	7.708	69.92
RohnGa1	0.004382	0.1107	0.008712	0.0000	0.0000	0.0000	-4.72	-8.071	50.01
RohnGa2	-0.00105	0.1046	-0.05572	0.0000	0.0000	0.0000	-4.725	8.287	49.94
RohnHa1	0.004594	0.0429	0.005889	0.0000	0.0000	0.0000	-5.113	-8.821	30.01
RohnHa2	-0.0008779	0.03596	-0.03425	0.0000	0.0000	0.0000	-5.119	8.9	29.97
RohnIa1	0.005077	0.01093	0.001654	0.0000	0.0000	0.0000	-5.507	-9.537	10
RohnIa2	0.0009313	0.0001343	-0.01169	0.0000	0.0000	0.0000	-5.512	9.548	9.988
SNB-Aa1	0.001981	1.317	-0.05034	0.0000	0.0000	0.0000	-1.263	-0.8741	174.9
SNB-Aa2	0.001827	1.315	-0.1086	0.0000	0.0000	0.0000	-1.263	3.506	174.9
SNB-Ab1	0.001912	1.25	-0.04575	0.0000	0.0000	0.0000	-1.362	-1.112	170
SNB-Ab2	0.001969	1.248	-0.1083	0.0000	0.0000	0.0000	-1.362	3.61	169.9
SNB-Ac1	0.002011	1.184	-0.04132	0.0000	0.0000	0.0000	-1.46	-1.348	165
SNB-Ac2	0.001585	1.181	-0.1079	0.0000	0.0000	0.0000	-1.46	3.714	164.9
SNB-Ba1	0.001925	1.052	-0.03286	0.0000	0.0000	0.0000	-1.657	-1.821	155
SNB-Ba2	0.00153	1.05	-0.1066	0.0000	0.0000	0.0000	-1.657	3.923	154.9
SNB-Bb1	0.001842	0.9877	-0.02882	0.0000	0.0000	0.0000	-1.755	-2.056	150
SNB-Bb2	0.001641	0.9849	-0.1058	0.0000	0.0000	0.0000	-1.756	4.029	149.9
SNB-Bc1	0.001947	0.9237	-0.02498	0.0000	0.0000	0.0000	-1.854	-2.29	145
SNB-Bc2	0.001348	0.9209	-0.1048	0.0000	0.0000	0.0000	-1.854	4.135	144.9
SNB-Ca1	0.00211	0.78	-0.01695	0.0000	0.0000	0.0000	-2.083	-2.831	133.3
SNB-Ca2	0.001018	0.7769	-0.1016	0.0000	0.0000	0.0000	-2.084	4.388	133.2
SNB-Cb1	0.002288	0.7018	-0.01307	0.0000	0.0000	0.0000	-2.214	-3.137	126.6

SNB-Cb2	0.0007404	0.6985	-0.09909	0.0000	0.0000	0.0000	-2.216	4.538	126.6
SNB-Da1	0.002272	0.5571	-0.007169	0.0000	0.0000	0.0000	-2.476	-3.736	113.3
SNB-Da2	0.0006268	0.5535	-0.09237	0.0000	0.0000	0.0000	-2.478	4.846	113.2
SNB-Db1	0.002596	0.4914	-0.005333	0.0000	0.0000	0.0000	-2.607	-4.029	106.7
SNB-Db2	0.0001971	0.4877	-0.08792	0.0000	0.0000	0.0000	-2.609	5.008	106.6
SNB-Ea1	0.001984	0.376	-0.001713	0.0000	0.0000	0.0000	-2.87	-4.598	93.34
SNB-Ea2	0.0008764	0.3719	-0.07944	0.0000	0.0000	0.0000	-2.871	5.346	93.26
SNB-Eb1	0.002133	0.3241	0.0002547	0.0000	0.0000	0.0000	-3.001	-4.877	86.66
SNB-Eb2	0.0006797	0.32	-0.07547	0.0000	0.0000	0.0000	-3.002	5.521	86.58
SNB-Fa1	0.003886	0.2118	0.003399	0.0000	0.0000	0.0000	-3.327	-5.557	70
SNB-Fa2	-0.001363	0.2077	-0.06394	0.0000	0.0000	0.0000	-3.332	5.977	69.94
SNB-Ga1	0.003771	0.1102	0.004898	0.0000	0.0000	0.0000	-3.72	-6.34	50
SNB-Ga2	-0.001086	0.1055	-0.04808	0.0000	0.0000	0.0000	-3.725	6.556	49.95
SNB-Ha1	0.004151	0.04225	0.004064	0.0000	0.0000	0.0000	-4.113	-7.089	30
SNB-Ha2	-0.001086	0.03674	-0.03006	0.0000	0.0000	0.0000	-4.118	7.168	29.97
SNB-Ia1	0.004865	0.01015	0.001224	0.0000	0.0000	0.0000	-4.506	-7.803	10
SNB-Ia2	0.0004599	0.0007646	-0.0106	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)	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	5.15	0.0	-2.53	0.0	22.37	0.0	0.0	23.10	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-JP	11.55	0.0	-6.00	0.0	18.59	0.0	0.0	22.69	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	-8.47	0.0	-16.90	0.0	-178.21	0.0	0.0	179.21	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	3.36	0.0	-8.23	0.0	222.64	0.0	0.0	222.82	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	-16.33	0.0	-34.10	0.0	-278.16	0.0	0.0	280.72	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	4.73	0.0	-14.37	0.0	315.21	0.0	0.0	315.57	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	1.7276	-0.6537	0.0000	-1.7276	0.6537	-0.0002	1.3827	-0.0877
RohnBP	0.0000	0.5393	-0.5461	0.0000	-0.5393	0.5461	-0.0008	1.1168	-0.0779
RohnCP	0.0000	0.5678	-0.6616	-0.0000	-0.5678	0.6616	-0.0014	0.8592	-0.0678
RohnDP	0.0000	0.6119	-0.7943	-0.0000	-0.6119	0.7943	-0.0020	0.6252	-0.0576
RohnEP	0.0000	0.6208	-0.9574	0.0000	-0.6208	0.9574	-0.0025	0.4295	-0.0474
RohnFP	0.0000	0.7000	-1.2984	-0.0000	-0.7000	1.2984	-0.0030	0.2742	-0.0377
RohnGP	0.0000	0.7836	-1.6255	-0.0000	-0.7836	1.6255	-0.0034	0.1553	-0.0282
RohnHP	0.0000	0.7110	-1.7441	-0.0000	-0.7110	1.7441	-0.0038	0.0699	-0.0189
RohnIP	0.0000	0.6987	-1.8611	0.0000	-0.6987	1.8611	-0.0037	0.0191	-0.0095
RohnJP	0.0000	0.3573	-0.9677	-5.1531	2.1771	-21.4044	0.0000	0.0000	0.0000
SNB-AP	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0006	1.3825	-0.0819
SNB-BP	0.0000	0.5393	-0.5461	-0.0000	-0.5393	0.5461	-0.0000	1.1166	-0.0722
SNB-CP	0.0000	0.5678	-0.6616	-0.0000	-0.5678	0.6616	-0.0006	0.8595	-0.0626
SNB-DP	0.0000	0.6119	-0.7943	-0.0000	-0.6119	0.7943	-0.0012	0.6257	-0.0530
SNB-EP	0.0000	0.6208	-0.9574	-0.0000	-0.6208	0.9574	-0.0017	0.4291	-0.0436
SNB-FP	0.0000	0.7000	-1.2984	-0.0000	-0.7000	1.2984	-0.0022	0.2740	-0.0348
SNB-GP	0.0000	0.7560	-1.6055	0.0000	-0.7560	1.6055	-0.0026	0.1544	-0.0260
SNB-HP	0.0000	0.7110	-1.7441	-0.0000	-0.7110	1.7441	-0.0030	0.0694	-0.0173
SNB-IP	0.0000	0.6987	-1.8611	-0.0000	-0.6987	1.8611	-0.0029	0.0183	-0.0086
SNB-JP	0.0000	0.3573	-0.9677	-11.5496	5.6430	-17.6193	0.0000	0.0000	0.0000
RohnA1	0.0000	1.7556	-0.6344	0.0000	-1.7555	0.6344	0.0021	1.3843	-0.0383
RohnA2	0.0000	1.5281	-0.5943	0.0000	-1.5281	0.5943	0.0026	1.3808	-0.1368
RohnB1	0.0000	0.5393	-0.5461	0.0000	-0.5393	0.5461	0.0025	1.1184	-0.0210
RohnB2	0.0000	0.5393	-0.5461	0.0000	-0.5393	0.5461	0.0019	1.1143	-0.1345
RohnC1	0.0000	0.5678	-0.6616	0.0000	-0.5678	0.6616	0.0030	0.8613	-0.0070
RohnC2	0.0000	0.5678	-0.6616	0.0000	-0.5678	0.6616	0.0011	0.8565	-0.1283
RohnD1	0.0000	0.7060	-0.8158	0.0000	-0.7060	0.8158	0.0031	0.6276	0.0028
RohnD2	0.0000	0.6119	-0.7943	0.0000	-0.6119	0.7943	0.0007	0.6225	-0.1178
RohnE1	0.0000	0.6208	-0.9574	0.0000	-0.6208	0.9574	0.0027	0.4315	0.0063
RohnE2	0.0000	0.6208	-0.9574	0.0000	-0.6208	0.9574	0.0010	0.4260	-0.1009
RohnF1	0.0000	0.7000	-1.2984	0.0000	-0.7000	1.2984	0.0026	0.2766	0.0088
RohnF2	0.0000	0.7000	-1.2984	0.0000	-0.7000	1.2984	0.0012	0.2708	-0.0840
RohnG1	0.0000	0.7836	-1.6255	0.0000	-0.7836	1.6255	0.0021	0.1574	0.0090
RohnG2	0.0000	0.7836	-1.6355	0.0000	-0.7836	1.6355	0.0018	0.1512	-0.0653
RohnH1	0.0000	0.7110	-1.7441	0.0000	-0.7110	1.7441	0.0021	0.0726	0.0077
RohnH2	0.0000	0.7110	-1.7441	0.0000	-0.7110	1.7441	0.0019	0.0660	-0.0454

RohnI1	0.0000	0.6987	-1.8611	0.0000	-0.6987	1.8611	0.0018	0.0216	0.0035
RohnI2	0.0000	0.6987	-1.8611	0.0000	-0.6987	1.8611	0.0021	0.0153	-0.0223
RohnJ1	0.0000	0.3573	-0.9677	8.4678	16.5467	179.1730	0.0000	0.0000	0.0000
RohnJ2	0.0000	0.3573	-0.9677	-3.3614	7.8739	-221.6743	0.0000	0.0000	0.0000
SNB-A1	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0020	1.3834	-0.0550
SNB-A2	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0020	1.3815	-0.1087
SNB-B1	0.0000	0.5393	-0.5461	-0.0000	-0.5393	0.5461	0.0018	1.1178	-0.0371
SNB-B2	0.0000	0.5393	-0.5461	-0.0000	-0.5393	0.5461	0.0018	1.1153	-0.1073
SNB-C1	0.0000	0.5678	-0.6616	-0.0000	-0.5678	0.6616	0.0017	0.8611	-0.0214
SNB-C2	0.0000	0.5678	-0.6616	-0.0000	-0.5678	0.6616	0.0016	0.8579	-0.1036
SNB-D1	0.0000	0.6119	-0.7943	-0.0000	-0.6119	0.7943	0.0016	0.6276	-0.0097
SNB-D2	0.0000	0.6119	-0.7943	-0.0000	-0.6119	0.7943	0.0015	0.6239	-0.0961
SNB-E1	0.0000	0.6208	-0.9574	-0.0000	-0.6208	0.9574	0.0016	0.4312	-0.0041
SNB-E2	0.0000	0.6208	-0.9574	-0.0000	-0.6208	0.9574	0.0014	0.4272	-0.0829
SNB-F1	0.0000	0.7000	-1.2984	-0.0000	-0.7000	1.2984	0.0015	0.2763	0.0018
SNB-F2	0.0000	0.7000	-1.2984	-0.0000	-0.7000	1.2984	0.0014	0.2718	-0.0712
SNB-G1	0.0000	0.7560	-1.6055	-0.0000	-0.7560	1.6055	0.0015	0.1569	0.0042
SNB-G2	0.0000	0.7560	-1.6055	-0.0000	-0.7560	1.6055	0.0015	0.1520	-0.0560
SNB-H1	0.0000	0.7110	-1.7441	-0.0000	-0.7110	1.7441	0.0015	0.0720	0.0049
SNB-H2	0.0000	0.7110	-1.7441	-0.0000	-0.7110	1.7441	0.0016	0.0668	-0.0395
SNB-I1	0.0000	0.6987	-1.8611	-0.0000	-0.6987	1.8611	0.0015	0.0208	0.0026
SNB-I2	0.0000	0.6987	-1.8611	-0.0000	-0.6987	1.8611	0.0015	0.0158	-0.0198
SNB-J1	0.0000	0.3573	-0.9677	16.3303	33.7453	279.1315	0.0000	0.0000	0.0000
SNB-J2	0.0000	0.3573	-0.9677	-4.7339	14.0092	-314.2416	0.0000	0.0000	0.0000
RohnAaS	0.0000	0.3137	-0.2800	0.0000	-0.3137	0.2800	-0.0003	1.3156	-0.0853
RohnAbS	0.0000	0.4982	-0.3827	0.0000	-0.4982	0.3827	-0.0005	1.2492	-0.0828
RohnAcS	0.0000	0.7582	-0.3850	0.0000	-0.7582	0.3850	-0.0006	1.1828	-0.0804
RohnBaS	0.0000	0.2630	-0.2811	0.0000	-0.2630	0.2811	-0.0009	1.0509	-0.0754
RohnBbS	0.0000	1.1294	-1.2185	0.0000	-1.1294	1.2185	-0.0011	0.9870	-0.0729
RohnBcS	0.0000	1.1760	-1.0823	0.0000	-1.1760	1.0823	-0.0012	0.9230	-0.0704
RohnCaS	0.0000	1.3178	-1.1605	0.0000	-1.3178	1.1605	-0.0015	0.7792	-0.0644
RohnCbS	0.0000	0.3836	-0.4594	0.0000	-0.3836	0.4594	-0.0017	0.6998	-0.0610
RohnDaS	0.0000	1.0639	-1.1703	-0.0000	-1.0639	1.1703	-0.0020	0.5557	-0.0542
RohnDbS	0.0000	0.3071	-0.4138	0.0000	-0.3071	0.4138	-0.0022	0.4886	-0.0508
RohnEaS	0.0000	0.5013	-0.6147	-0.0000	-0.5013	0.6147	-0.0026	0.3734	-0.0442
RohnEbS	0.0000	0.3137	-0.5437	-0.0000	-0.3137	0.5437	-0.0027	0.3212	-0.0409
RohnFaS	0.0000	0.3864	-0.7547	-0.0000	-0.3864	0.7547	-0.0028	0.2061	-0.0329
RohnGaS	0.0000	0.3696	-0.8508	-0.0000	-0.3696	0.8508	-0.0033	0.1040	-0.0235
RohnHaS	0.0000	0.3414	-0.8934	0.0000	-0.3414	0.8934	-0.0038	0.0353	-0.0142
RohnIaS	0.0000	0.3573	-0.9677	0.0000	-0.3573	0.9677	-0.0062	0.0022	-0.0050
SNB-AaS	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0005	1.3157	-0.0795
SNB-AbS	0.0000	0.2763	-0.2650	0.0000	-0.2763	0.2650	0.0003	1.2492	-0.0771
SNB-AcS	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0002	1.1822	-0.0747
SNB-BaS	0.0000	0.2630	-0.2811	-0.0000	-0.2630	0.2811	-0.0001	1.0507	-0.0698
SNB-BbS	0.0000	0.2630	-0.2811	-0.0000	-0.2630	0.2811	-0.0003	0.9861	-0.0674
SNB-BcS	0.0000	0.2630	-0.2811	-0.0000	-0.2630	0.2811	-0.0004	0.9218	-0.0650
SNB-CaS	0.0000	0.3048	-0.3805	-0.0000	-0.3048	0.3805	-0.0007	0.7775	-0.0594
SNB-CbS	0.0000	0.3048	-0.3805	-0.0000	-0.3048	0.3805	-0.0009	0.6988	-0.0561
SNB-DaS	0.0000	0.3071	-0.4138	-0.0000	-0.3071	0.4138	-0.0012	0.5539	-0.0498
SNB-DbS	0.0000	0.3071	-0.4138	-0.0000	-0.3071	0.4138	-0.0014	0.4875	-0.0467
SNB-EaS	0.0000	0.3137	-0.5437	0.0000	-0.3137	0.5437	-0.0018	0.3730	-0.0406
SNB-EbS	0.0000	0.3137	-0.5437	-0.0000	-0.3137	0.5437	-0.0019	0.3208	-0.0377
SNB-FaS	0.0000	0.3864	-0.7547	-0.0000	-0.3864	0.7547	-0.0020	0.2052	-0.0303
SNB-GaS	0.0000	0.3696	-0.8508	-0.0000	-0.3696	0.8508	-0.0025	0.1036	-0.0216
SNB-HaS	0.0000	0.3414	-0.8934	-0.0000	-0.3414	0.8934	-0.0031	0.0350	-0.0130
SNB-IaS	0.0000	0.3573	-0.9677	-0.0000	-0.3573	0.9677	-0.0054	0.0016	-0.0047
RohnAa1	0.0000	1.3613	-0.4850	0.0000	-1.3613	0.4850	0.0020	1.3179	-0.0337
RohnAa2	0.0000	0.2763	-0.2650	0.0000	-0.2763	0.2650	0.0022	1.3138	-0.1366
RohnAb1	0.0000	0.4054	-0.3627	0.0000	-0.4054	0.3627	0.0024	1.2508	-0.0293
RohnAb2	0.0000	0.4247	-0.3600	0.0000	-0.4247	0.3600	0.0024	1.2473	-0.1361
RohnAc1	0.0000	1.0121	-0.3850	0.0000	-1.0121	0.3850	0.0023	1.1847	-0.0250
RohnAc2	0.0000	0.2763	-0.2650	0.0000	-0.2763	0.2650	0.0018	1.1803	-0.1354
RohnBa1	0.0000	0.2630	-0.2811	0.0000	-0.2630	0.2811	0.0027	1.0529	-0.0171
RohnBa2	0.0000	0.2630	-0.2811	0.0000	-0.2630	0.2811	0.0015	1.0486	-0.1334
RohnBb1	0.0000	1.1294	-1.2185	0.0000	-1.1294	1.2185	0.0025	0.9883	-0.0135
RohnBb2	0.0000	1.1294	-1.2185	0.0000	-1.1294	1.2185	0.0018	0.9838	-0.1321
RohnBc1	0.0000	1.0431	-0.9891	0.0000	-1.0431	0.9891	0.0026	0.9243	-0.0101
RohnBc2	0.0000	1.0431	-0.9891	0.0000	-1.0431	0.9891	0.0015	0.9199	-0.1304
RohnCa1	0.0000	1.3167	-1.1505	0.0000	-1.3167	1.1505	0.0026	0.7806	-0.0031
RohnCa2	0.0000	1.3178	-1.1605	0.0000	-1.3178	1.1605	0.0013	0.7759	-0.1255
RohnCb1	0.0000	0.3048	-0.3805	0.0000	-0.3048	0.3805	0.0032	0.7022	0.0002
RohnCb2	0.0000	0.3048	-0.3805	0.0000	-0.3048	0.3805	0.0006	0.6974	-0.1219
RohnDa1	0.0000	0.9218	-1.0738	0.0000	-0.9218	1.0738	0.0029	0.5577	0.0047
RohnDa2	0.0000	0.9218	-1.0738	0.0000	-0.9218	1.0738	0.0008	0.5526	-0.1129

RohnDb1	0.0000	0.3071	-0.4138	0.0000	-0.3071	0.4138	0.0035	0.4918	0.0059
RohnDb2	0.0000	0.3071	-0.4138	0.0000	-0.3071	0.4138	0.0001	0.4867	-0.1072
RohnEa1	0.0000	0.3137	-0.5437	0.0000	-0.3137	0.5437	0.0031	0.3762	0.0076
RohnEa2	0.0000	0.3137	-0.5437	0.0000	-0.3137	0.5437	0.0005	0.3708	-0.0957
RohnEb1	0.0000	0.3137	-0.5437	0.0000	-0.3137	0.5437	0.0032	0.3245	0.0084
RohnEb2	0.0000	0.3137	-0.5437	0.0000	-0.3137	0.5437	0.0004	0.3189	-0.0901
RohnFa1	0.0000	0.3864	-0.7547	0.0000	-0.3864	0.7547	0.0045	0.2124	0.0094
RohnFa2	0.0000	0.3864	-0.7547	0.0000	-0.3864	0.7547	-0.0013	0.2068	-0.0751
RohnGa1	0.0000	0.3696	-0.8508	0.0000	-0.3696	0.8508	0.0044	0.1107	0.0087
RohnGa2	0.0000	0.3696	-0.8508	0.0000	-0.3696	0.8508	-0.0011	0.1046	-0.0557
RohnHa1	0.0000	0.3414	-0.8934	0.0000	-0.3414	0.8934	0.0046	0.0429	0.0059
RohnHa2	0.0000	0.3414	-0.8934	0.0000	-0.3414	0.8934	-0.0009	0.0360	-0.0342
RohnIa1	0.0000	0.3573	-0.9677	0.0000	-0.3573	0.9677	0.0051	0.0109	0.0017
RohnIa2	0.0000	0.3573	-0.9677	-0.0000	-0.3573	0.9677	0.0009	0.0001	-0.0117
SNB-Aa1	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0020	1.3170	-0.0503
SNB-Aa2	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0018	1.3147	-0.1086
SNB-Ab1	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0019	1.2501	-0.0457
SNB-Ab2	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0020	1.2481	-0.1083
SNB-Ac1	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0020	1.1838	-0.0413
SNB-Ac2	0.0000	0.2763	-0.2650	-0.0000	-0.2763	0.2650	0.0016	1.1813	-0.1079
SNB-Ba1	0.0000	0.2630	-0.2811	-0.0000	-0.2630	0.2811	0.0019	1.0524	-0.0329
SNB-Ba2	0.0000	0.2630	-0.2811	-0.0000	-0.2630	0.2811	0.0015	1.0497	-0.1066
SNB-Bb1	0.0000	0.2630	-0.2811	-0.0000	-0.2630	0.2811	0.0018	0.9877	-0.0288
SNB-Bb2	0.0000	0.2630	-0.2811	-0.0000	-0.2630	0.2811	0.0016	0.9849	-0.1058
SNB-Bc1	0.0000	0.2630	-0.2811	-0.0000	-0.2630	0.2811	0.0019	0.9237	-0.0250
SNB-Bc2	0.0000	0.2630	-0.2811	-0.0000	-0.2630	0.2811	0.0013	0.9209	-0.1048
SNB-Ca1	0.0000	0.3048	-0.3805	-0.0000	-0.3048	0.3805	0.0021	0.7800	-0.0169
SNB-Ca2	0.0000	0.3048	-0.3805	-0.0000	-0.3048	0.3805	0.0010	0.7769	-0.1016
SNB-Cb1	0.0000	0.3048	-0.3805	-0.0000	-0.3048	0.3805	0.0023	0.7018	-0.0131
SNB-Cb2	0.0000	0.3048	-0.3805	-0.0000	-0.3048	0.3805	0.0007	0.6985	-0.0991
SNB-Da1	0.0000	0.3071	-0.4138	-0.0000	-0.3071	0.4138	0.0023	0.5571	-0.0072
SNB-Da2	0.0000	0.3071	-0.4138	-0.0000	-0.3071	0.4138	0.0006	0.5535	-0.0924
SNB-Db1	0.0000	0.3071	-0.4138	-0.0000	-0.3071	0.4138	0.0026	0.4914	-0.0053
SNB-Db2	0.0000	0.3071	-0.4138	-0.0000	-0.3071	0.4138	0.0002	0.4877	-0.0879
SNB-Ea1	0.0000	0.3137	-0.5437	-0.0000	-0.3137	0.5437	0.0020	0.3760	-0.0017
SNB-Ea2	0.0000	0.3137	-0.5437	-0.0000	-0.3137	0.5437	0.0009	0.3719	-0.0794
SNB-Eb1	0.0000	0.3137	-0.5437	-0.0000	-0.3137	0.5437	0.0021	0.3241	0.0003
SNB-Eb2	0.0000	0.3137	-0.5437	-0.0000	-0.3137	0.5437	0.0007	0.3200	-0.0755
SNB-Fa1	0.0000	0.3864	-0.7547	-0.0000	-0.3864	0.7547	0.0039	0.2118	0.0034
SNB-Fa2	0.0000	0.3864	-0.7547	-0.0000	-0.3864	0.7547	-0.0014	0.2077	-0.0639
SNB-Ga1	0.0000	0.3696	-0.8508	-0.0000	-0.3696	0.8508	0.0038	0.1102	0.0049
SNB-Ga2	0.0000	0.3696	-0.8508	-0.0000	-0.3696	0.8508	-0.0011	0.1055	-0.0481
SNB-Ha1	0.0000	0.3414	-0.8934	-0.0000	-0.3414	0.8934	0.0042	0.0423	0.0041
SNB-Ha2	0.0000	0.3414	-0.8934	-0.0000	-0.3414	0.8934	-0.0011	0.0367	-0.0301
SNB-Ia1	0.0000	0.3573	-0.9677	-0.0000	-0.3573	0.9677	0.0049	0.0102	0.0012
SNB-Ia2	0.0000	0.3573	-0.9677	-0.0000	-0.3573	0.9677	0.0005	0.0008	-0.0106

*** Analysis Results for Load Case No. 6 "DL + Ice Only" - Number of iterations in SAPS 8

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	-0.0009693	-0.0007615	-0.08077	0.0000	0.0000	0.0000	4.332	-0.0007615	179.9
RohnBP	-0.001443	-0.0004856	-0.0727	0.0000	0.0000	0.0000	5.12	-0.0004856	159.9
RohnCP	-0.001906	-0.0003029	-0.06426	0.0000	0.0000	0.0000	5.907	-0.0003029	139.9
RohnDP	-0.00234	-0.0001807	-0.05542	0.0000	0.0000	0.0000	6.693	-0.0001807	119.9
RohnEP	-0.00275	-0.0001042	-0.04616	0.0000	0.0000	0.0000	7.478	-0.0001042	99.95
RohnFP	-0.00313	-5.781e-005	-0.03707	0.0000	0.0000	0.0000	8.265	-5.781e-005	79.96
RohnGP	-0.003485	-2.836e-005	-0.02795	0.0000	0.0000	0.0000	9.052	-2.836e-005	59.97
RohnHP	-0.003774	-1.085e-005	-0.01882	0.0000	0.0000	0.0000	9.837	-1.085e-005	39.98
RohnIP	-0.003656	-2.07e-006	-0.009435	0.0000	0.0000	0.0000	10.63	-2.07e-006	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	-0.0001809	-0.0007586	-0.07494	0.0000	0.0000	0.0000	2.333	-0.0007586	179.9
SNB-BP	-0.0006554	-0.0004865	-0.06703	0.0000	0.0000	0.0000	3.12	-0.0004865	159.9
SNB-CP	-0.001119	-0.0003037	-0.059	0.0000	0.0000	0.0000	3.907	-0.0003037	139.9
SNB-DP	-0.001555	-0.0001816	-0.0508	0.0000	0.0000	0.0000	4.693	-0.0001816	119.9
SNB-EP	-0.001967	-0.0001048	-0.04237	0.0000	0.0000	0.0000	5.479	-0.0001048	99.96
SNB-FP	-0.002348	-5.814e-005	-0.0341	0.0000	0.0000	0.0000	6.266	-5.814e-005	79.97
SNB-GP	-0.002704	-2.844e-005	-0.02568	0.0000	0.0000	0.0000	7.052	-2.844e-005	59.97
SNB-HP	-0.002994	-1.083e-005	-0.01723	0.0000	0.0000	0.0000	7.838	-1.083e-005	39.98
SNB-IP	-0.002876	-2.118e-006	-0.008627	0.0000	0.0000	0.0000	8.625	-2.118e-006	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.001579	0.000711	-0.08078	0.0000	0.0000	0.0000	-2.165	-3.752	179.9
RohnA2	0.001576	-0.00223	-0.08065	0.0000	0.0000	0.0000	-2.165	3.75	179.9
RohnB1	0.001563	0.00125	-0.07269	0.0000	0.0000	0.0000	-2.559	-4.434	159.9
RohnB2	0.001564	-0.002222	-0.07258	0.0000	0.0000	0.0000	-2.559	4.433	159.9
RohnC1	0.001551	0.001693	-0.06422	0.0000	0.0000	0.0000	-2.953	-5.116	139.9
RohnC2	0.001552	-0.0023	-0.06414	0.0000	0.0000	0.0000	-2.953	5.115	139.9
RohnD1	0.00156	0.002071	-0.05539	0.0000	0.0000	0.0000	-3.346	-5.796	119.9
RohnD2	0.001561	-0.002435	-0.05533	0.0000	0.0000	0.0000	-3.346	5.796	119.9
RohnE1	0.00161	0.002413	-0.04613	0.0000	0.0000	0.0000	-3.739	-6.476	99.95
RohnE2	0.00161	-0.002622	-0.04609	0.0000	0.0000	0.0000	-3.739	6.476	99.95
RohnF1	0.001696	0.002729	-0.03705	0.0000	0.0000	0.0000	-4.132	-7.158	79.96
RohnF2	0.001697	-0.002846	-0.03702	0.0000	0.0000	0.0000	-4.132	7.157	79.96
RohnG1	0.001807	0.003027	-0.02794	0.0000	0.0000	0.0000	-4.526	-7.839	59.97
RohnG2	0.001807	-0.003084	-0.02792	0.0000	0.0000	0.0000	-4.526	7.839	59.97
RohnH1	0.001912	0.003272	-0.01881	0.0000	0.0000	0.0000	-4.919	-8.519	39.98
RohnH2	0.001912	-0.003294	-0.01879	0.0000	0.0000	0.0000	-4.919	8.519	39.98
RohnI1	0.001833	0.003167	-0.00943	0.0000	0.0000	0.0000	-5.313	-9.203	19.99
RohnI2	0.001833	-0.003171	-0.009425	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	0.001183	2.888e-005	-0.07494	0.0000	0.0000	0.0000	-1.165	-2.02	179.9
SNB-A2	0.001184	-0.001546	-0.07488	0.0000	0.0000	0.0000	-1.165	2.019	179.9
SNB-B1	0.001169	0.0005671	-0.06702	0.0000	0.0000	0.0000	-1.559	-2.702	159.9
SNB-B2	0.00117	-0.00154	-0.06696	0.0000	0.0000	0.0000	-1.559	2.701	159.9
SNB-C1	0.001159	0.001011	-0.05898	0.0000	0.0000	0.0000	-1.953	-3.383	139.9
SNB-C2	0.001159	-0.001619	-0.05893	0.0000	0.0000	0.0000	-1.953	3.383	139.9
SNB-D1	0.001169	0.001391	-0.05078	0.0000	0.0000	0.0000	-2.346	-4.065	119.9
SNB-D2	0.001169	-0.001755	-0.05074	0.0000	0.0000	0.0000	-2.346	4.064	119.9
SNB-E1	0.001218	0.001734	-0.04235	0.0000	0.0000	0.0000	-2.739	-4.745	99.96
SNB-E2	0.001218	-0.001944	-0.04232	0.0000	0.0000	0.0000	-2.739	4.745	99.96
SNB-F1	0.001306	0.002052	-0.03409	0.0000	0.0000	0.0000	-3.133	-5.426	79.97
SNB-F2	0.001306	-0.002168	-0.03407	0.0000	0.0000	0.0000	-3.133	5.426	79.97
SNB-G1	0.001417	0.002351	-0.02567	0.0000	0.0000	0.0000	-3.526	-6.107	59.97
SNB-G2	0.001417	-0.002408	-0.02566	0.0000	0.0000	0.0000	-3.526	6.107	59.97
SNB-H1	0.001522	0.002596	-0.01722	0.0000	0.0000	0.0000	-3.919	-6.788	39.98
SNB-H2	0.001522	-0.002618	-0.01722	0.0000	0.0000	0.0000	-3.919	6.788	39.98
SNB-I1	0.001443	0.002491	-0.008624	0.0000	0.0000	0.0000	-4.313	-7.47	19.99
SNB-I2	0.001443	-0.002495	-0.00862	0.0000	0.0000	0.0000	-4.313	7.47	19.99
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.707	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.707	8.154	0
RohnAaS	-0.001056	-0.0006806	-0.07878	0.0000	0.0000	0.0000	4.529	-0.0006806	174.9
RohnAbS	-0.001205	-0.0006095	-0.07678	0.0000	0.0000	0.0000	4.726	-0.0006095	169.9
RohnAcS	-0.001271	-0.0005421	-0.07475	0.0000	0.0000	0.0000	4.923	-0.0005421	164.9
RohnBaS	-0.001495	-0.0004304	-0.07064	0.0000	0.0000	0.0000	5.317	-0.0004304	154.9
RohnBbS	-0.001685	-0.0003849	-0.06857	0.0000	0.0000	0.0000	5.513	-0.0003849	149.9

RohnBcS	-0.001709	-0.0003402	-0.06644	0.0000	0.0000	0.0000	5.71	-0.0003402	144.9
RohnCaS	-0.001954	-0.0002554	-0.06136	0.0000	0.0000	0.0000	6.169	-0.0002554	133.3
RohnCbS	-0.002083	-0.0002158	-0.0584	0.0000	0.0000	0.0000	6.431	-0.0002158	126.6
RohnDaS	-0.002353	-0.0001498	-0.05239	0.0000	0.0000	0.0000	6.954	-0.0001498	113.3
RohnDbS	-0.002466	-0.0001246	-0.04927	0.0000	0.0000	0.0000	7.217	-0.0001246	106.6
RohnEaS	-0.002796	-8.626e-005	-0.04316	0.0000	0.0000	0.0000	7.74	-8.626e-005	93.3
RohnEbS	-0.002908	-7.076e-005	-0.04012	0.0000	0.0000	0.0000	8.003	-7.076e-005	86.62
RohnFaS	-0.002952	-3.968e-005	-0.03252	0.0000	0.0000	0.0000	8.659	-3.968e-005	69.97
RohnGaS	-0.003347	-1.722e-005	-0.02339	0.0000	0.0000	0.0000	9.445	-1.722e-005	49.98
RohnHaS	-0.003879	-4.417e-006	-0.01417	0.0000	0.0000	0.0000	10.23	-4.417e-006	29.99
RohnIaS	-0.006166	3.545e-007	-0.005026	0.0000	0.0000	0.0000	11.02	3.545e-007	9.995
SNB-AaS	-0.0002675	-0.0006823	-0.07297	0.0000	0.0000	0.0000	2.53	-0.0006823	174.9
SNB-AbS	-0.0004169	-0.0006107	-0.071	0.0000	0.0000	0.0000	2.727	-0.0006107	169.9
SNB-AcS	-0.0004827	-0.000543	-0.06902	0.0000	0.0000	0.0000	2.924	-0.000543	164.9
SNB-BaS	-0.0007068	-0.0004317	-0.06503	0.0000	0.0000	0.0000	3.317	-0.0004317	154.9
SNB-BbS	-0.0008969	-0.0003856	-0.06303	0.0000	0.0000	0.0000	3.514	-0.0003856	149.9
SNB-BcS	-0.0009219	-0.0003408	-0.06102	0.0000	0.0000	0.0000	3.71	-0.0003408	144.9
SNB-CaS	-0.001168	-0.0002553	-0.05629	0.0000	0.0000	0.0000	4.169	-0.0002553	133.3
SNB-CbS	-0.001297	-0.0002154	-0.05354	0.0000	0.0000	0.0000	4.432	-0.0002154	126.6
SNB-DaS	-0.001568	-0.0001497	-0.04801	0.0000	0.0000	0.0000	4.955	-0.0001497	113.3
SNB-DbS	-0.001682	-0.0001244	-0.04518	0.0000	0.0000	0.0000	5.218	-0.0001244	106.6
SNB-EaS	-0.002013	-8.647e-005	-0.03963	0.0000	0.0000	0.0000	5.741	-8.647e-005	93.3
SNB-EbS	-0.002126	-7.098e-005	-0.03686	0.0000	0.0000	0.0000	6.004	-7.098e-005	86.62
SNB-FaS	-0.00217	-3.965e-005	-0.02989	0.0000	0.0000	0.0000	6.659	-3.965e-005	69.97
SNB-GaS	-0.002567	-1.717e-005	-0.02146	0.0000	0.0000	0.0000	7.445	-1.717e-005	49.98
SNB-HaS	-0.003099	-4.458e-006	-0.01298	0.0000	0.0000	0.0000	8.231	-4.458e-006	29.99
SNB-IaS	-0.005384	2.586e-007	-0.004689	0.0000	0.0000	0.0000	9.016	2.586e-007	9.995
RohnAa1	0.001557	0.0008274	-0.07879	0.0000	0.0000	0.0000	-2.263	-3.922	174.9
RohnAa2	0.00156	-0.002193	-0.07866	0.0000	0.0000	0.0000	-2.263	3.921	174.9
RohnAb1	0.001571	0.0009904	-0.07678	0.0000	0.0000	0.0000	-2.362	-4.093	169.9
RohnAb2	0.001573	-0.002212	-0.07666	0.0000	0.0000	0.0000	-2.362	4.091	169.9
RohnAc1	0.001538	0.001078	-0.07475	0.0000	0.0000	0.0000	-2.46	-4.263	164.9
RohnAc2	0.001542	-0.002168	-0.07463	0.0000	0.0000	0.0000	-2.46	4.262	164.9
RohnBa1	0.001525	0.001311	-0.07062	0.0000	0.0000	0.0000	-2.657	-4.604	154.9
RohnBa2	0.001528	-0.002178	-0.07052	0.0000	0.0000	0.0000	-2.657	4.603	154.9
RohnBb1	0.00156	0.001488	-0.06855	0.0000	0.0000	0.0000	-2.756	-4.775	149.9
RohnBb2	0.001561	-0.002259	-0.06846	0.0000	0.0000	0.0000	-2.756	4.774	149.9
RohnBc1	0.001511	0.001518	-0.06641	0.0000	0.0000	0.0000	-2.854	-4.945	144.9
RohnBc2	0.001513	-0.002203	-0.06632	0.0000	0.0000	0.0000	-2.854	4.945	144.9
RohnCa1	0.001501	0.001739	-0.06133	0.0000	0.0000	0.0000	-3.084	-5.342	133.3
RohnCa2	0.001503	-0.002253	-0.06126	0.0000	0.0000	0.0000	-3.084	5.342	133.3
RohnCb1	0.001496	0.001851	-0.05836	0.0000	0.0000	0.0000	-3.215	-5.57	126.6
RohnCb2	0.001497	-0.002285	-0.05829	0.0000	0.0000	0.0000	-3.215	5.569	126.6
RohnDa1	0.001507	0.002079	-0.05235	0.0000	0.0000	0.0000	-3.477	-6.023	113.3
RohnDa2	0.001509	-0.002381	-0.0523	0.0000	0.0000	0.0000	-3.477	6.022	113.3
RohnDb1	0.00151	0.002173	-0.04924	0.0000	0.0000	0.0000	-3.608	-6.25	106.6
RohnDb2	0.001512	-0.002424	-0.04919	0.0000	0.0000	0.0000	-3.608	6.25	106.6
RohnEa1	0.001593	0.002448	-0.04313	0.0000	0.0000	0.0000	-3.87	-6.703	93.3
RohnEa2	0.001594	-0.002622	-0.04309	0.0000	0.0000	0.0000	-3.87	6.703	93.3
RohnEb1	0.001614	0.002542	-0.04009	0.0000	0.0000	0.0000	-4.001	-6.931	86.62
RohnEb2	0.001615	-0.002685	-0.04006	0.0000	0.0000	0.0000	-4.001	6.931	86.62
RohnFa1	0.001568	0.002572	-0.0325	0.0000	0.0000	0.0000	-4.329	-7.499	69.97
RohnFa2	0.00157	-0.002654	-0.03248	0.0000	0.0000	0.0000	-4.329	7.498	69.97
RohnGa1	0.001714	0.002906	-0.02338	0.0000	0.0000	0.0000	-4.722	-8.179	49.98
RohnGa2	0.001715	-0.002943	-0.02337	0.0000	0.0000	0.0000	-4.722	8.179	49.98
RohnHa1	0.001951	0.003362	-0.01416	0.0000	0.0000	0.0000	-5.116	-8.861	29.99
RohnHa2	0.001952	-0.003373	-0.01415	0.0000	0.0000	0.0000	-5.116	8.861	29.99
RohnIa1	0.003083	0.005341	-0.005024	0.0000	0.0000	0.0000	-5.509	-9.543	9.995
RohnIa2	0.003084	-0.005341	-0.005021	0.0000	0.0000	0.0000	-5.509	9.543	9.995
SNB-Aa1	0.001164	0.0001442	-0.07297	0.0000	0.0000	0.0000	-1.264	-2.191	174.9
SNB-Aa2	0.001165	-0.00151	-0.07291	0.0000	0.0000	0.0000	-1.264	2.19	174.9
SNB-Ab1	0.001176	0.0003084	-0.071	0.0000	0.0000	0.0000	-1.362	-2.361	169.9
SNB-Ab2	0.001177	-0.001531	-0.07094	0.0000	0.0000	0.0000	-1.362	2.36	169.9
SNB-Ac1	0.001145	0.0003954	-0.06901	0.0000	0.0000	0.0000	-1.461	-2.532	164.9
SNB-Ac2	0.001147	-0.001486	-0.06895	0.0000	0.0000	0.0000	-1.461	2.531	164.9
SNB-Ba1	0.001132	0.0006289	-0.06502	0.0000	0.0000	0.0000	-1.658	-2.873	154.9
SNB-Ba2	0.001134	-0.001496	-0.06496	0.0000	0.0000	0.0000	-1.658	2.872	154.9
SNB-Bb1	0.001166	0.0008058	-0.06302	0.0000	0.0000	0.0000	-1.756	-3.043	149.9
SNB-Bb2	0.001166	-0.001577	-0.06296	0.0000	0.0000	0.0000	-1.756	3.042	149.9
SNB-Bc1	0.001117	0.0008358	-0.061	0.0000	0.0000	0.0000	-1.855	-3.213	144.9
SNB-Bc2	0.001119	-0.001521	-0.06095	0.0000	0.0000	0.0000	-1.855	3.213	144.9
SNB-Ca1	0.001107	0.001058	-0.05627	0.0000	0.0000	0.0000	-2.084	-3.61	133.3
SNB-Ca2	0.00111	-0.001573	-0.05622	0.0000	0.0000	0.0000	-2.084	3.61	133.3
SNB-Cb1	0.001102	0.00117	-0.05352	0.0000	0.0000	0.0000	-2.215	-3.838	126.6

SNB-Cb2	0.001104	-0.001604	-0.05347	0.0000	0.0000	0.0000	-2.215	3.837	126.6
SNB-Da1	0.001115	0.001399	-0.04799	0.0000	0.0000	0.0000	-2.477	-4.291	113.3
SNB-Da2	0.001116	-0.001702	-0.04795	0.0000	0.0000	0.0000	-2.477	4.291	113.3
SNB-Db1	0.001119	0.001493	-0.04516	0.0000	0.0000	0.0000	-2.609	-4.519	106.6
SNB-Db2	0.00112	-0.001745	-0.04513	0.0000	0.0000	0.0000	-2.609	4.518	106.6
SNB-Ea1	0.001202	0.00177	-0.03961	0.0000	0.0000	0.0000	-2.87	-4.972	93.3
SNB-Ea2	0.001202	-0.001944	-0.03958	0.0000	0.0000	0.0000	-2.87	4.972	93.3
SNB-Eb1	0.001224	0.001864	-0.03684	0.0000	0.0000	0.0000	-3.002	-5.199	86.62
SNB-Eb2	0.001225	-0.002007	-0.03682	0.0000	0.0000	0.0000	-3.002	5.199	86.62
SNB-Fa1	0.001177	0.001895	-0.02988	0.0000	0.0000	0.0000	-3.33	-5.767	69.97
SNB-Fa2	0.001179	-0.001977	-0.02986	0.0000	0.0000	0.0000	-3.33	5.767	69.97
SNB-Ga1	0.001324	0.00223	-0.02145	0.0000	0.0000	0.0000	-3.723	-6.448	49.98
SNB-Ga2	0.001325	-0.002267	-0.02144	0.0000	0.0000	0.0000	-3.723	6.448	49.98
SNB-Ha1	0.00156	0.002686	-0.01297	0.0000	0.0000	0.0000	-4.116	-7.129	29.99
SNB-Ha2	0.001562	-0.002697	-0.01297	0.0000	0.0000	0.0000	-4.116	7.129	29.99
SNB-Ia1	0.002692	0.004664	-0.004687	0.0000	0.0000	0.0000	-4.508	-7.808	9.995
SNB-Ia2	0.002693	-0.004665	-0.004685	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	5.00	0.0	-0.00	0.0	22.38	0.0	0.0	22.93	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	18.58	0.0	0.0	21.80	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ1	-2.50	0.0	-4.33	0.0	22.32	0.0	0.0	22.87	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
RohnJ2	-2.50	0.0	4.34	0.0	22.24	0.0	0.0	22.80	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J1	-5.70	0.0	-9.88	0.0	18.51	0.0	0.0	21.74	0.0	-0.00	0.0	-0.0	0.0	-0.00	0.0	0.0
SNB-J2	-5.70	0.0	9.88	0.0	18.42	0.0	0.0	21.66	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 "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	-0.6537	0.0000	-0.0000	0.6537	-0.0010	-0.0008	-0.0808
RohnBP	0.0000	0.0000	-0.5461	0.0000	-0.0000	0.5461	-0.0014	-0.0005	-0.0727
RohnCP	0.0000	0.0000	-0.6616	0.0000	-0.0000	0.6616	-0.0019	-0.0003	-0.0643
RohnDP	0.0000	0.0000	-0.7943	0.0000	-0.0000	0.7943	-0.0023	-0.0002	-0.0554
RohnEP	0.0000	0.0000	-0.9574	0.0000	-0.0000	0.9574	-0.0028	-0.0001	-0.0462
RohnFP	0.0000	0.0000	-1.2984	0.0000	-0.0000	1.2984	-0.0031	-0.0001	-0.0371
RohnGP	0.0000	0.0000	-1.6255	0.0000	-0.0000	1.6255	-0.0035	-0.0000	-0.0280
RohnHP	0.0000	0.0000	-1.7441	0.0000	-0.0000	1.7441	-0.0038	-0.0000	-0.0188
RohnIP	0.0000	0.0000	-1.8611	0.0000	-0.0000	1.8611	-0.0037	-0.0000	-0.0094
RohnJP	0.0000	0.0000	-0.9677	-5.0043	0.0003	-21.4120	0.0000	0.0000	0.0000
SNB-AP	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	-0.0002	-0.0008	-0.0749
SNB-BP	0.0000	0.0000	-0.5461	0.0000	-0.0000	0.5461	-0.0007	-0.0005	-0.0670
SNB-CP	0.0000	0.0000	-0.6616	0.0000	-0.0000	0.6616	-0.0011	-0.0003	-0.0590
SNB-DP	0.0000	0.0000	-0.7943	0.0000	-0.0000	0.7943	-0.0016	-0.0002	-0.0508
SNB-EP	0.0000	0.0000	-0.9574	0.0000	-0.0000	0.9574	-0.0020	-0.0001	-0.0424
SNB-FP	0.0000	0.0000	-1.2984	0.0000	-0.0000	1.2984	-0.0023	-0.0001	-0.0341
SNB-GP	0.0000	0.0000	-1.6055	0.0000	-0.0000	1.6055	-0.0027	-0.0000	-0.0257
SNB-HP	0.0000	0.0000	-1.7441	0.0000	-0.0000	1.7441	-0.0030	-0.0000	-0.0172
SNB-IP	0.0000	0.0000	-1.8611	0.0000	-0.0000	1.8611	-0.0029	-0.0000	-0.0086
SNB-JP	0.0000	0.0000	-0.9677	-11.4107	0.0006	-17.6117	0.0000	0.0000	0.0000
RohnA1	0.0000	0.0000	-0.6344	0.0000	-0.0000	0.6344	0.0016	0.0007	-0.0808
RohnA2	0.0000	0.0000	-0.5943	0.0000	-0.0000	0.5943	0.0016	-0.0022	-0.0807
RohnB1	0.0000	0.0000	-0.5461	0.0000	-0.0000	0.5461	0.0016	0.0012	-0.0727
RohnB2	0.0000	0.0000	-0.5461	0.0000	-0.0000	0.5461	0.0016	-0.0022	-0.0726
RohnC1	0.0000	0.0000	-0.6616	0.0000	-0.0000	0.6616	0.0016	0.0017	-0.0642
RohnC2	0.0000	0.0000	-0.6616	0.0000	-0.0000	0.6616	0.0016	-0.0023	-0.0641
RohnD1	0.0000	0.0000	-0.8158	0.0000	-0.0000	0.8158	0.0016	0.0021	-0.0554
RohnD2	0.0000	0.0000	-0.7943	0.0000	-0.0000	0.7943	0.0016	-0.0024	-0.0553
RohnE1	0.0000	0.0000	-0.9574	0.0000	-0.0000	0.9574	0.0016	0.0024	-0.0461
RohnE2	0.0000	0.0000	-0.9574	0.0000	-0.0000	0.9574	0.0016	-0.0026	-0.0461
RohnF1	0.0000	0.0000	-1.2984	0.0000	-0.0000	1.2984	0.0017	0.0027	-0.0370
RohnF2	0.0000	0.0000	-1.2984	0.0000	-0.0000	1.2984	0.0017	-0.0028	-0.0370
RohnG1	0.0000	0.0000	-1.6255	0.0000	-0.0000	1.6255	0.0018	0.0030	-0.0279
RohnG2	0.0000	0.0000	-1.6355	0.0000	-0.0000	1.6355	0.0018	-0.0031	-0.0279
RohnH1	0.0000	0.0000	-1.7441	0.0000	-0.0000	1.7441	0.0019	0.0033	-0.0188
RohnH2	0.0000	0.0000	-1.7441	0.0000	-0.0000	1.7441	0.0019	-0.0033	-0.0188

RohnI1	0.0000	0.0000	-1.8611	0.0000	-0.0000	1.8611	0.0018	0.0032	-0.0094
RohnI2	0.0000	0.0000	-1.8611	0.0000	-0.0000	1.8611	0.0018	-0.0032	-0.0094
RohnJ1	0.0000	0.0000	-0.9677	2.5022	4.3350	-21.3500	0.0000	0.0000	0.0000
RohnJ2	0.0000	0.0000	-0.9677	2.5031	-4.3360	-21.2749	0.0000	0.0000	0.0000
SNB-A1	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	0.0012	0.0000	-0.0749
SNB-A2	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	0.0012	-0.0015	-0.0749
SNB-B1	0.0000	0.0000	-0.5461	0.0000	-0.0000	0.5461	0.0012	0.0006	-0.0670
SNB-B2	0.0000	0.0000	-0.5461	0.0000	-0.0000	0.5461	0.0012	-0.0015	-0.0670
SNB-C1	0.0000	0.0000	-0.6616	0.0000	-0.0000	0.6616	0.0012	0.0010	-0.0590
SNB-C2	0.0000	0.0000	-0.6616	0.0000	-0.0000	0.6616	0.0012	-0.0016	-0.0589
SNB-D1	0.0000	0.0000	-0.7943	0.0000	-0.0000	0.7943	0.0012	0.0014	-0.0508
SNB-D2	0.0000	0.0000	-0.7943	0.0000	-0.0000	0.7943	0.0012	-0.0018	-0.0507
SNB-E1	0.0000	0.0000	-0.9574	0.0000	-0.0000	0.9574	0.0012	0.0017	-0.0423
SNB-E2	0.0000	0.0000	-0.9574	0.0000	-0.0000	0.9574	0.0012	-0.0019	-0.0423
SNB-F1	0.0000	0.0000	-1.2984	0.0000	-0.0000	1.2984	0.0013	0.0021	-0.0341
SNB-F2	0.0000	0.0000	-1.2984	0.0000	-0.0000	1.2984	0.0013	-0.0022	-0.0341
SNB-G1	0.0000	0.0000	-1.6055	0.0000	-0.0000	1.6055	0.0014	0.0024	-0.0257
SNB-G2	0.0000	0.0000	-1.6055	0.0000	-0.0000	1.6055	0.0014	-0.0024	-0.0257
SNB-H1	0.0000	0.0000	-1.7441	0.0000	-0.0000	1.7441	0.0015	0.0026	-0.0172
SNB-H2	0.0000	0.0000	-1.7441	0.0000	-0.0000	1.7441	0.0015	-0.0026	-0.0172
SNB-I1	0.0000	0.0000	-1.8611	0.0000	-0.0000	1.8611	0.0014	0.0025	-0.0086
SNB-I2	0.0000	0.0000	-1.8611	0.0000	-0.0000	1.8611	0.0014	-0.0025	-0.0086
SNB-J1	0.0000	0.0000	-0.9677	5.7043	9.8824	-17.5382	0.0000	0.0000	0.0000
SNB-J2	0.0000	0.0000	-0.9677	5.7047	-9.8818	-17.4482	0.0000	0.0000	0.0000
RohnAaS	0.0000	0.0000	-0.2800	0.0000	-0.0000	0.2800	-0.0011	-0.0007	-0.0788
RohnAbS	0.0000	0.0000	-0.3827	0.0000	-0.0000	0.3827	-0.0012	-0.0006	-0.0768
RohnAcS	0.0000	0.0000	-0.3850	0.0000	-0.0000	0.3850	-0.0013	-0.0005	-0.0748
RohnBaS	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	-0.0015	-0.0004	-0.0706
RohnBbS	0.0000	0.0000	-1.2185	0.0000	-0.0000	1.2185	-0.0017	-0.0004	-0.0686
RohnBcS	0.0000	0.0000	-1.0823	0.0000	-0.0000	1.0823	-0.0017	-0.0003	-0.0664
RohnCaS	0.0000	0.0000	-1.1605	0.0000	-0.0000	1.1605	-0.0020	-0.0003	-0.0614
RohnCbS	0.0000	0.0000	-0.4594	0.0000	-0.0000	0.4594	-0.0021	-0.0002	-0.0584
RohnDaS	0.0000	0.0000	-1.1703	0.0000	-0.0000	1.1703	-0.0024	-0.0001	-0.0524
RohnDbS	0.0000	0.0000	-0.4138	0.0000	-0.0000	0.4138	-0.0025	-0.0001	-0.0493
RohnEaS	0.0000	0.0000	-0.6147	0.0000	-0.0000	0.6147	-0.0028	-0.0001	-0.0432
RohnEbS	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	-0.0029	-0.0001	-0.0401
RohnFaS	0.0000	0.0000	-0.7547	0.0000	-0.0000	0.7547	-0.0030	-0.0000	-0.0325
RohnGaS	0.0000	0.0000	-0.8508	0.0000	-0.0000	0.8508	-0.0033	-0.0000	-0.0234
RohnHaS	0.0000	0.0000	-0.8934	0.0000	-0.0000	0.8934	-0.0039	-0.0000	-0.0142
RohnIaS	0.0000	0.0000	-0.9677	0.0000	-0.0000	0.9677	-0.0062	0.0000	-0.0050
SNB-AaS	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	-0.0003	-0.0007	-0.0730
SNB-AbS	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	-0.0004	-0.0006	-0.0710
SNB-AcS	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	-0.0005	-0.0005	-0.0690
SNB-BaS	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	-0.0007	-0.0004	-0.0650
SNB-BbS	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	-0.0009	-0.0004	-0.0630
SNB-BcS	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	-0.0009	-0.0003	-0.0610
SNB-CaS	0.0000	0.0000	-0.3805	0.0000	-0.0000	0.3805	-0.0012	-0.0003	-0.0563
SNB-CbS	0.0000	0.0000	-0.3805	0.0000	-0.0000	0.3805	-0.0013	-0.0002	-0.0535
SNB-DaS	0.0000	0.0000	-0.4138	0.0000	-0.0000	0.4138	-0.0016	-0.0001	-0.0480
SNB-DbS	0.0000	0.0000	-0.4138	0.0000	-0.0000	0.4138	-0.0017	-0.0001	-0.0452
SNB-EaS	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	-0.0020	-0.0001	-0.0396
SNB-EbS	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	-0.0021	-0.0001	-0.0369
SNB-FaS	0.0000	0.0000	-0.7547	0.0000	-0.0000	0.7547	-0.0022	-0.0000	-0.0299
SNB-GaS	0.0000	0.0000	-0.8508	0.0000	-0.0000	0.8508	-0.0026	-0.0000	-0.0215
SNB-HaS	0.0000	0.0000	-0.8934	0.0000	-0.0000	0.8934	-0.0031	-0.0000	-0.0130
SNB-IaS	0.0000	0.0000	-0.9677	0.0000	-0.0000	0.9677	-0.0054	0.0000	-0.0047
RohnAa1	0.0000	0.0000	-0.4850	0.0000	-0.0000	0.4850	0.0016	0.0008	-0.0788
RohnAa2	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	0.0016	-0.0022	-0.0787
RohnAb1	0.0000	0.0000	-0.3627	0.0000	-0.0000	0.3627	0.0016	0.0010	-0.0768
RohnAb2	0.0000	0.0000	-0.3600	0.0000	-0.0000	0.3600	0.0016	-0.0022	-0.0767
RohnAc1	0.0000	0.0000	-0.3850	0.0000	-0.0000	0.3850	0.0015	0.0011	-0.0747
RohnAc2	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	0.0015	-0.0022	-0.0746
RohnBa1	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	0.0015	0.0013	-0.0706
RohnBa2	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	0.0015	-0.0022	-0.0705
RohnBb1	0.0000	0.0000	-1.2185	0.0000	-0.0000	1.2185	0.0016	0.0015	-0.0685
RohnBb2	0.0000	0.0000	-1.2185	0.0000	-0.0000	1.2185	0.0016	-0.0023	-0.0685
RohnBc1	0.0000	0.0000	-0.9891	0.0000	-0.0000	0.9891	0.0015	0.0015	-0.0664
RohnBc2	0.0000	0.0000	-0.9891	0.0000	-0.0000	0.9891	0.0015	-0.0022	-0.0663
RohnCa1	0.0000	0.0000	-1.1505	0.0000	-0.0000	1.1505	0.0015	0.0017	-0.0613
RohnCa2	0.0000	0.0000	-1.1605	0.0000	-0.0000	1.1605	0.0015	-0.0023	-0.0613
RohnCb1	0.0000	0.0000	-0.3805	0.0000	-0.0000	0.3805	0.0015	0.0019	-0.0584
RohnCb2	0.0000	0.0000	-0.3805	0.0000	-0.0000	0.3805	0.0015	-0.0023	-0.0583
RohnDa1	0.0000	0.0000	-1.0738	0.0000	-0.0000	1.0738	0.0015	0.0021	-0.0524
RohnDa2	0.0000	0.0000	-1.0738	0.0000	-0.0000	1.0738	0.0015	-0.0024	-0.0523

RohnDb1	0.0000	0.0000	-0.4138	0.0000	-0.0000	0.4138	0.0015	0.0022	-0.0492
RohnDb2	0.0000	0.0000	-0.4138	0.0000	-0.0000	0.4138	0.0015	-0.0024	-0.0492
RohnEa1	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	0.0016	0.0024	-0.0431
RohnEa2	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	0.0016	-0.0026	-0.0431
RohnEb1	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	0.0016	0.0025	-0.0401
RohnEb2	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	0.0016	-0.0027	-0.0401
RohnFa1	0.0000	0.0000	-0.7547	0.0000	-0.0000	0.7547	0.0016	0.0026	-0.0325
RohnFa2	0.0000	0.0000	-0.7547	0.0000	-0.0000	0.7547	0.0016	-0.0027	-0.0325
RohnGa1	0.0000	0.0000	-0.8508	0.0000	-0.0000	0.8508	0.0017	0.0029	-0.0234
RohnGa2	0.0000	0.0000	-0.8508	0.0000	-0.0000	0.8508	0.0017	-0.0029	-0.0234
RohnHa1	0.0000	0.0000	-0.8934	0.0000	-0.0000	0.8934	0.0020	0.0034	-0.0142
RohnHa2	0.0000	0.0000	-0.8934	0.0000	-0.0000	0.8934	0.0020	-0.0034	-0.0142
RohnIa1	0.0000	0.0000	-0.9677	0.0000	-0.0000	0.9677	0.0031	0.0053	-0.0050
RohnIa2	0.0000	0.0000	-0.9677	0.0000	-0.0000	0.9677	0.0031	-0.0053	-0.0050
SNB-Aa1	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	0.0012	0.0001	-0.0730
SNB-Aa2	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	0.0012	-0.0015	-0.0729
SNB-Ab1	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	0.0012	0.0003	-0.0710
SNB-Ab2	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	0.0012	-0.0015	-0.0709
SNB-Ac1	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	0.0011	0.0004	-0.0690
SNB-Ac2	0.0000	0.0000	-0.2650	0.0000	-0.0000	0.2650	0.0011	-0.0015	-0.0690
SNB-Ba1	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	0.0011	0.0006	-0.0650
SNB-Ba2	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	0.0011	-0.0015	-0.0650
SNB-Bb1	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	0.0012	0.0008	-0.0630
SNB-Bb2	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	0.0012	-0.0016	-0.0630
SNB-Bc1	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	0.0011	0.0008	-0.0610
SNB-Bc2	0.0000	0.0000	-0.2811	0.0000	-0.0000	0.2811	0.0011	-0.0015	-0.0609
SNB-Ca1	0.0000	0.0000	-0.3805	0.0000	-0.0000	0.3805	0.0011	0.0011	-0.0563
SNB-Ca2	0.0000	0.0000	-0.3805	0.0000	-0.0000	0.3805	0.0011	-0.0016	-0.0562
SNB-Cb1	0.0000	0.0000	-0.3805	0.0000	-0.0000	0.3805	0.0011	0.0012	-0.0535
SNB-Cb2	0.0000	0.0000	-0.3805	0.0000	-0.0000	0.3805	0.0011	-0.0016	-0.0535
SNB-Da1	0.0000	0.0000	-0.4138	0.0000	-0.0000	0.4138	0.0011	0.0014	-0.0480
SNB-Da2	0.0000	0.0000	-0.4138	0.0000	-0.0000	0.4138	0.0011	-0.0017	-0.0480
SNB-Db1	0.0000	0.0000	-0.4138	0.0000	-0.0000	0.4138	0.0011	0.0015	-0.0452
SNB-Db2	0.0000	0.0000	-0.4138	0.0000	-0.0000	0.4138	0.0011	-0.0017	-0.0451
SNB-Ea1	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	0.0012	0.0018	-0.0396
SNB-Ea2	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	0.0012	-0.0019	-0.0396
SNB-Eb1	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	0.0012	0.0019	-0.0368
SNB-Eb2	0.0000	0.0000	-0.5437	0.0000	-0.0000	0.5437	0.0012	-0.0020	-0.0368
SNB-Fa1	0.0000	0.0000	-0.7547	0.0000	-0.0000	0.7547	0.0012	0.0019	-0.0299
SNB-Fa2	0.0000	0.0000	-0.7547	0.0000	-0.0000	0.7547	0.0012	-0.0020	-0.0299
SNB-Ga1	0.0000	0.0000	-0.8508	0.0000	-0.0000	0.8508	0.0013	0.0022	-0.0215
SNB-Ga2	0.0000	0.0000	-0.8508	0.0000	-0.0000	0.8508	0.0013	-0.0023	-0.0214
SNB-Ha1	0.0000	0.0000	-0.8934	0.0000	-0.0000	0.8934	0.0016	0.0027	-0.0130
SNB-Ha2	0.0000	0.0000	-0.8934	0.0000	-0.0000	0.8934	0.0016	-0.0027	-0.0130
SNB-Ia1	0.0000	0.0000	-0.9677	-0.0000	-0.0000	0.9677	0.0027	0.0047	-0.0047
SNB-Ia2	0.0000	0.0000	-0.9677	0.0000	-0.0000	0.9677	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 loadcase.

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	31.07	31.07	Rohn-DA71	-3.378	W+I 0 deg	13.392	16.200	8.156	0.000	0.000	0.000	0.00	10.034	1	1
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	48.07	48.07	Rohn-DB71	-5.227	W+I 90 deg	15.336	16.200	8.156	0.000	0.000	0.000	0.00	11.238	1	1
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	59.28	59.28	Rohn-DC51	-6.446	W+I 90 deg	19.483	16.200	8.156	0.000	0.000	0.000	0.00	13.177	1	1
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	47.53	47.53	Rohn-DD42	-6.891	W+I -90 de	25.704	16.200	10.875	0.000	0.000	0.000	0.00	13.977	1	1
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	43.07	43.07	Rohn-DE61	-6.999	W+I 0 deg	43.200	16.200	12.187	0.000	0.000	0.000	0.00	15.589	1	1
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	52.52	52.52	Rohn-DF11	-8.534	W+I 90 deg	50.135	16.200	12.187	0.000	0.000	0.000	0.00	17.748	1	1
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	56.82	56.82	Rohn-DI21	-9.233	W+I 0 deg	50.586	16.200	12.187	0.000	0.000	0.000	0.00	21.254	1	1
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	13.58	13.58	Rohn-LA4P	-15.367	W+I 0 deg	84.900	0.000	0.000	0.000	0.000	0.000	0.00	5.004	1	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	31.41	31.41	Rohn-LB4P	-43.215	W+I 0 deg	103.200	0.000	0.000	0.000	0.000	0.000	0.00	5.004	1	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	46.33	46.33	Rohn-LC3P	-76.724	W+I 0 deg	124.200	0.000	0.000	0.000	0.000	0.000	0.00	6.665	1	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	69.28	69.28	Rohn-LD3P	-111.674	W+I 0 deg	120.900	0.000	0.000	0.000	0.000	0.000	0.00	6.665	1	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	61.99	61.99	Rohn-LE3P	-141.826	W+I 0 deg	171.600	0.000	0.000	0.000	0.000	0.000	0.00	6.665	1	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	64.45	64.45	Rohn-LF2P	-172.991	W+I 0 deg	201.300	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	73.56	73.56	Rohn-LH2P	-231.852	W+I 0 deg	236.400	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	65.33	65.33	Rohn-LI2P	-257.651	W+I 0 deg	295.800	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	5.01	5.01	Rohn-H12	-0.894	W+I 60 deg	13.392	0.000	0.000	0.000	0.000	0.000	0.00	7.505	1	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	14.71	14.47	SNB-DA71	-2.623	W+I 90 deg	24.840	16.200	13.594	0.000	0.000	0.000	0.00	7.240	1	1
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	25.50	24.56	SNB-DB71	-3.562	W+I 90 deg	20.304	16.200	10.875	0.000	0.000	0.000	0.00	8.279	1	1
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	39.87	39.87	SNB-DD51	-7.226	W+I 90 deg	31.536	16.200	13.594	0.000	0.000	0.000	0.00	11.412	1	1
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	41.79	41.79	SNB-DE11	-9.027	W+I 90 deg	59.400	16.200	21.750	0.000	0.000	0.000	0.00	11.784	1	1
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	27.84	26.99	SNB-DF31	-8.637	W+I 90 deg	81.000	24.000	26.100	0.000	0.000	0.000	0.00	15.529	1	1
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	37.86	35.61	SNB-DH11	-11.394	W+I 90 deg	99.576	24.000	32.625	0.000	0.000	0.000	0.00	17.142	1	1
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	70.40	70.40	SNB-DI11	-22.527	W+I 90 deg	126.576	24.000	32.625	0.000	0.000	0.000	0.00	18.267	1	1
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	11.26	11.26	SNB-LA4P	-13.622	W+I 0 deg	90.720	0.000	0.000	0.000	0.000	0.000	0.00	5.004	1	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	43.80	43.80	SNB-LC3P	-78.333	W+I 0 deg	134.136	0.000	0.000	0.000	0.000	0.000	0.00	6.665	1	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	73.68	73.68	SNB-LD3P	-121.370	W+I 0 deg	123.552	0.000	0.000	0.000	0.000	0.000	0.00	6.665	1	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	68.78	68.78	SNB-LF2P	-211.954	W+I 0 deg	231.120	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	82.98	82.98	SNB-LH2P	-305.906	W+I 0 deg	276.480	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	78.71	78.71	SNB-LI2P	-364.952	W+I 0 deg	347.759	0.000	0.000	0.000	0.000	0.000	0.00	10.008	1	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.03	0.01	Connect Ia1	-2.690	W+I 60 deg	17279.973	0.000	0.000	0.000	0.000	0.000	0.00	2.004	1	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	1.83	1.23	SNB-H41	-1.453	W+I 0 deg	88.668	0.000	0.000	0.000	0.000	0.000	0.00	8.132	1	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	5.77	1.37	SNB-H51	-2.448	W+I 0 deg	134.136	0.000	0.000	0.000	0.000	0.000	0.00	9.493	1	0

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	31.07	28.52	Rohn-DA81	3.101	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	48.07	46.45	Rohn-DB71	5.051	W+I -90 de	12.639	16.200	8.156	9.527	11.238	1	1.000	0.6875
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	59.28	57.78	Rohn-DC42	6.284	W+I 90 deg	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	47.53	46.64	Rohn-DD42	6.762	W+I 90 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	43.07	39.40	Rohn-DE62	6.402	W+I 90 deg	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	52.52	48.08	Rohn-DF22	7.812	W+I 90 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	56.82	52.35	Rohn-DI42	8.507	W+I 90 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	13.58	10.62	Rohn-LA41	12.024	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	31.41	24.25	Rohn-LB42	33.374	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	46.33	37.48	Rohn-LC32	62.062	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	69.28	56.90	Rohn-LD32	91.728	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	61.99	51.07	Rohn-LE32	116.839	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	64.45	53.33	Rohn-LF22	143.146	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	73.56	59.96	Rohn-LH22	188.996	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	65.33	51.09	Rohn-LI22	201.475	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	5.01	4.10	Rohn-H12	0.733	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	14.71	14.71	SNB-DA71	2.667	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	25.50	25.50	SNB-DB71	3.697	W+I -90 de	16.707	16.200	10.875	12.703	8.279	1	1.000	0.6875
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	39.87	39.29	SNB-DD51	7.121	W+I -90 de	27.082	16.200	13.594	16.992	11.412	1	1.000	0.6875

SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	41.79	41.61	SNB-DE11	8.988W+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	27.84	27.84	SNB-DF42	8.910W+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	37.86	37.86	SNB-DH42	12.114W+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	70.40	66.98	SNB-DI42	21.433W+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	11.26	9.52	SNB-LA41	11.516W+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	43.80	38.71	SNB-LC32	69.231W+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	73.68	65.65	SNB-LD32	108.141W+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	68.78	60.82	SNB-LF22	187.413W+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	82.98	72.10	SNB-LH22	265.796W+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	78.71	65.13	SNB-LI22	301.990W+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	0.03	0.03	Connect IP	7.816 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	1.83	1.83	SNB-H42	2.164W+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	10.314W+I -90 de	134.136	0.000	0.000	0.000	14.944	0	0.000	0

*** 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	71.02	SNB-LH21	Angle
W+I -60 deg	72.10	SNB-LH22	Angle
W+I 0 deg	82.98	SNB-LH2P	Angle
W+I 60 deg	72.08	SNB-LH21	Angle
W+I 90 deg	70.99	SNB-LH22	Angle
DL + Ice Only	30.09	SNB-DI2P	Angle

*** Weight of structure (lbs):

Weight of Angles*Section DLF:	62644.6
Weight of Equipment:	11550.1
Total:	74194.7

*** End of Report

CONNECTION BETWEEN TOWERS EVALUATION

URS

Job Description	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich Tower Connection	Project No.	VZ5-041	Page ___ of ___ Sheet 1 of 1	
		Computed by	KAB	Date	08/02/10
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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 $F_{max} := 7.8kip$

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

Connection Force per Foot $Force_{LF} := \frac{F_{max}}{Spacing_{PLS.Tower}}$ $Force_{LF} = 0.78 \cdot kip$

Percent Capacity $Percent_{capacity} := \frac{Force_{LF}}{Capacity_{LF}}$ $Percent_{capacity} = 73.6 \cdot \%$

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

FOUNDATION EVALUATION

URS

Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	VZ5-041	Page	of
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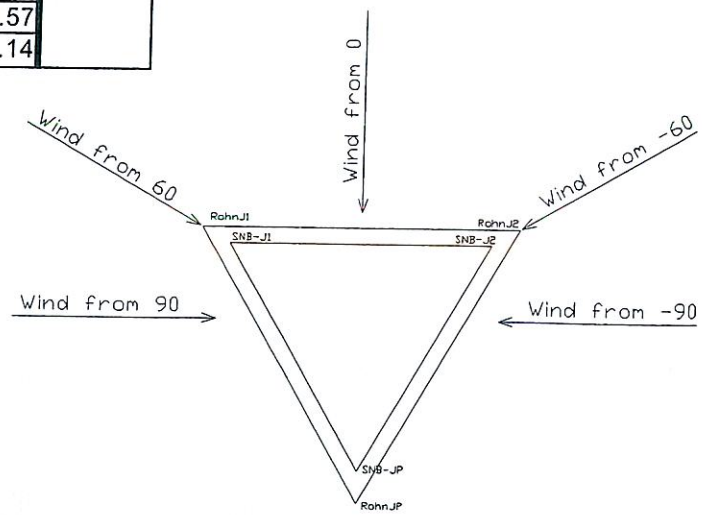
				Date	

Overturning Moment Calculation

Load Case	Joint Label	Vert. Tower Forces (k)	Leg Moment Arm (ft)	Moment (ft-k)	Total Moment (ft-k)
W+I -90 deg	RohnJP	-0.01	0	0.00	5081.9
W+I -90 deg	SNB-JP	0.01	0	0.00	
W+I -90 deg	RohnJ1	200.39	5.7075	1143.73	
W+I -90 deg	RohnJ2	-200.52	-5.7075	1144.47	
W+I -90 deg	SNB-J1	296.79	4.7075	1397.14	
W+I -90 deg	SNB-J2	-296.67	-4.7075	1396.57	
W+I -60 deg	RohnJP	114.84	3.2952	378.42	5043.2
W+I -60 deg	SNB-JP	170.01	2.7179	462.07	
W+I -60 deg	RohnJ1	114.84	3.2952	378.42	
W+I -60 deg	RohnJ2	-229.82	-6.5905	1514.63	
W+I -60 deg	SNB-J1	170	2.7179	462.04	
W+I -60 deg	SNB-J2	-339.89	-5.4358	1847.57	
W+I 0 deg	RohnJP	236.57	6.5905	1559.11	5198.5
W+I 0 deg	SNB-JP	350.73	5.4358	1906.50	
W+I 0 deg	RohnJ1	-118.35	-3.2952	389.99	
W+I 0 deg	RohnJ2	-118.36	-3.2952	390.02	
W+I 0 deg	SNB-J1	-175.3	-2.7179	476.45	
W+I 0 deg	SNB-J2	-175.29	-2.7179	476.42	
W+I 60 deg	RohnJP	114.85	3.2952	378.45	5043.3
W+I 60 deg	SNB-JP	170.01	2.7179	462.07	
W+I 60 deg	RohnJ1	-229.83	-6.5905	1514.69	
W+I 60 deg	RohnJ2	114.84	3.2952	378.42	
W+I 60 deg	SNB-J1	-339.89	-5.4358	1847.57	
W+I 60 deg	SNB-J2	170.01	2.7179	462.07	
W+I 90 deg	RohnJP	-0.01	0	0.00	5082.0
W+I 90 deg	SNB-JP	0.01	0	0.00	
W+I 90 deg	RohnJ1	-200.53	-5.7075	1144.52	
W+I 90 deg	RohnJ2	200.4	5.7075	1143.78	
W+I 90 deg	SNB-J1	-296.67	-4.7075	1396.57	
W+I 90 deg	SNB-J2	296.79	4.7075	1397.14	

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

Dimensions taken from CAD drawing



URS

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PIER AND MAT FOUNDATION ANALYSIS - 3 PIERS

TOWER FORCES:

Moment Caused by Tower	$M_t := 5198.5 \cdot kip \cdot ft$
Shear at Base of Tower	$S_t := 113.52 \cdot kip$
Height of Tower	$H_t := 180 \cdot ft$
Width of Tower at Base	$W_t := 22.833 \cdot ft$
Weight of Tower	$WT_t := 1.0 \cdot kip$

NOTE: Weight of Tower is incorporated into the other loads listed above and is therefore set equal to one for programming.

FOOTING DIMENSIONS:

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

MATERIAL PROPERTIES:

Compressive Strength of Concrete	$fc := 3000 \cdot psi$	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 $Pos_{tower} := 2$

URS

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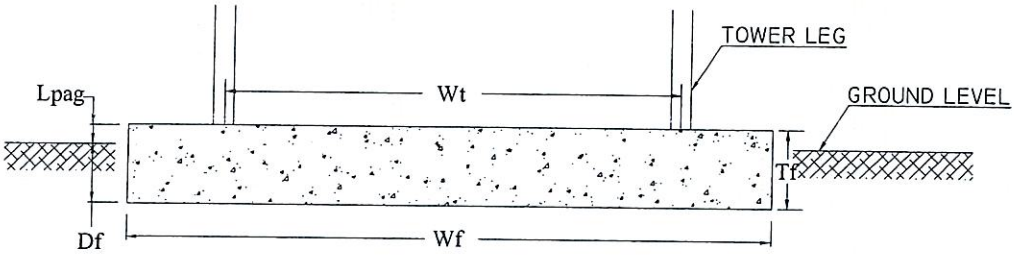
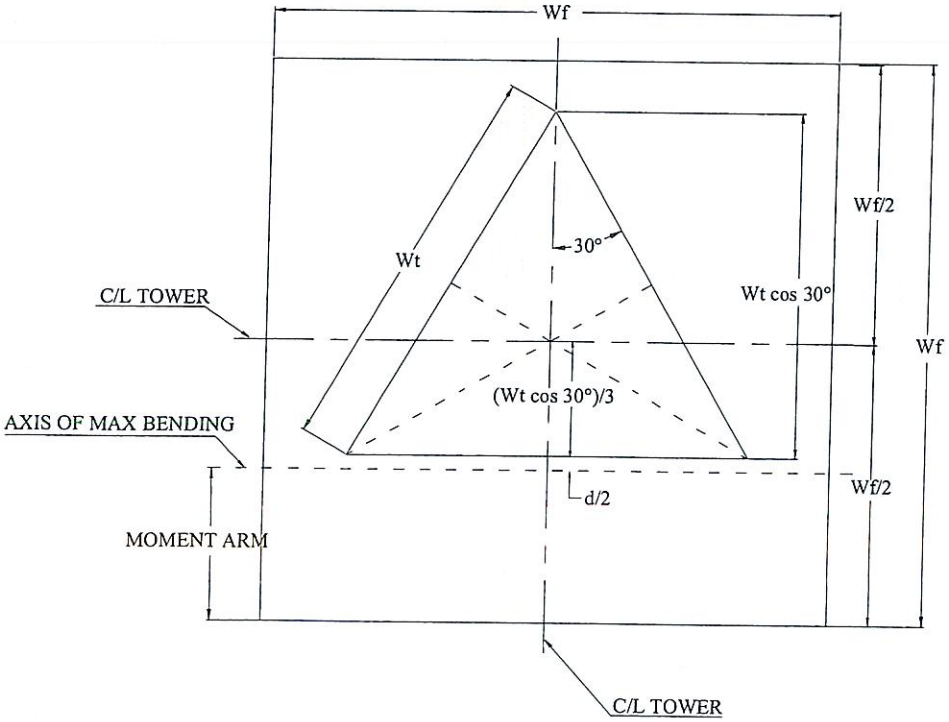
FOUNDATION OVERVIEW



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:

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

$M_r = 22819.678 \cdot kip \cdot ft$

Overturning Moment:

$M_{ot} := M_t + S_t \cdot (T_f) + WT_t \cdot X_{off}$ $\quad M_{ot} = 5879.62 \cdot kip \cdot ft$

Factor of Safety:

$FS := \frac{M_r}{M_{ot}}$ $\quad FS = 3.8811$

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

BEARING PRESSURE CHECK:

Pressure Applied:

$LOAD_{tot} := WT_c + WT_{s1} + WT_t$ $\qquad LOAD_{tot} = 1200.025 \cdot kip$

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

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

$P_{max} := \frac{LOAD_{tot}}{A_{mat}} + \frac{M_{ot}}{S}$ $\qquad P_{max} = 1.6262 \cdot ksf$

$P_{min} := \frac{LOAD_{tot}}{A_{mat}} - \frac{M_{ot}}{S}$ $\qquad P_{min} = 0.1753 \cdot ksf$

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

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

Distance to Resultant of Pressure Distribution:

$X_p := \frac{P_{max}}{\frac{P_{max} - P_{min}}{W_f}} \cdot \frac{1}{3}$ $\qquad X_p = 13.6364 \cdot ft$

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: $e := \frac{M_{ot}}{LOAD_{tot}}$ $\qquad e = 4.8996$

Adjusted Soil Pressure: $q_a := \frac{2 \cdot LOAD_{tot}}{3 \cdot W_f \cdot \left(\frac{W_f}{2} - e\right)}$ $\qquad q_a = 1.6418 \cdot ksf$

Revised Maximum: $q_{max} := if(X_p < X_k, q_a, P_{max})$ $\qquad q_{max} = 1.6262 \cdot kip$

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