Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts

June 24, 2015

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

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

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains twelve (12) antennas at the 130-foot level of the existing 180-foot tower off Butternut Hollow Road in Greenwich, Connecticut (the "Property"). The tower and underlying property are owned by the State of Connecticut, Department of Emergency Services and Public Protection ("DESPP"). The Council approved Cellco's use of this tower in 1992. Cellco now intends to modify its facility by replacing three (3) of its existing antennas with three (3) model HBXX-6516DS-VTM, 1900 MHz antennas and installing three (3) new model HBXX-6516DS-VTM, 2100 MHz antennas, for a total of fifteen (15) antennas, all at the same 130-foot level on the tower. Cellco also intends to install six (6) new remote radio heads ("RRHs"), one (1) each behind its 1900 MHz and 2100 MHz antennas. Included in Attachment 1 are specifications for Cellco's replacement antennas and RRHs.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Peter Tesei, First Selectman for the Town of Greenwich. A copy of this letter is also being sent to the DESPP, the owner of the Property.

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

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

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

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

4. The operation of the replacement antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table is included behind Attachment 2.

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

6. The tower and its foundation, with certain modifications, can support Cellco's proposed modifications. (*See* Detailed Structural Analysis and Modification report included in Attachment 3).

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Peter Tesei, Greenwich First Selectman
State of Connecticut, Department of Emergency Services and Public Protection
Tim Parks

ATTACHMENT 1

Product Specifications

COMMSCOPE®

POWERED BY ANDREW.

HBXX-6516DS-VTM

Andrew® Quad Port Antenna, 1710–2180 MHz, 65° horizontal beamwidth, RET compatible

- Each DualPol® array can be independently adjusted for greater flexibility
- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Ideal choice for site collocations and tough zoning restrictions
- Great solution to maximize network coverage and capacity

Electrical Specifications

Frequency Band, MHz	**1710–1880**	**1850–1990**	**1920–2180**
Gain, dBi	17.7	18.0	18.0
Beamwidth, Horizontal, degrees	67	66	64
Beamwidth, Vertical, degrees	7.5	7.0	6.6
Beam Tilt, degrees	0–10	0–10	0–10
USLS, dB	18	18	18
Front-to-Back Ratio at 180°, dB	30	30	30
CPR at Boresight, dB	22	22	21
CPR at Sector, dB	8	9	9
Isolation, dB	30	30	30
VSWR | Return Loss, dB	1.4 | 15.6	1.4 | 15.6	1.4 | 15.6
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153
Input Power per Port, maximum, watts	350	350	350
Polarization	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	**1710–1880**	**1850–1990**	**1920–2180**
Gain by all Beam Tilts, average, dBi	17.2	17.2	17.5
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.3	±0.5
Gain by Beam Tilt, average, dBi	0 ° | 17.0 5 ° | 17.3 10 ° | 17.0	0 ° | 17.1 5 ° | 17.4 10 ° | 17.0	0 ° | 17.4 5 ° | 17.7 10 ° | 17.2
Beamwidth, Horizontal Tolerance, degrees	±2.7	±2.3	±3.5
Beamwidth, Vertical Tolerance, degrees	±0.5	±0.4	±0.4
USLS, dB	18	19	19
Front-to-Back Total Power at 180° ± 30°, dB	26	26	26
CPR at Boresight, dB	22	22	22
CPR at Sector, dB	9	9	9

* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, download the whitepaper Time to Raise the Bar on BSAs.

General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol® quad
Band	Single band
Brand	DualPol® | Teletilt®
Operating Frequency Band	1710 – 2180 MHz

Product Specifications

HBXX-6516DS-VTM

Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Low loss circuit board
Radome Material	PVC, UV resistant
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, total	4
Wind Loading, maximum	419.0 N @ 150 km/h 94.2 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h | 149.8 mph

Dimensions

Depth	166.0 mm | 6.5 in
Length	1297.0 mm | 51.1 in
Width	305.0 mm | 12.0 in
Net Weight	13.9 kg | 30.6 lb

Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 2.0 Actuator	HBXX-6516DS-A2M
RET System	Teletilt®

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

Included Products

600899A-2 — Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

PCS RF MODULES

RRH1900 2X60 - HW CHARACTERISTICS

LA6.0.1/13.3

	RRH2x60
RF Output Power	2x60W
Instantaneous Bandwidth	20MHz
Transmitter	2 TX
Receiver 1900 HW version 1900A HW version	2 Branch RX – LA6.0.1 4 Branch RX – LR13.3
Features	AISG 2.0 for RET/TMA
	Internal Smart Bias-T
Power	-48VDC
CPRI Ports	2 CPRI Rate 3 Ports
External Alarms	4 External User Alarms
Monitor Ports	TX
Environmental	GR487 Compliance
RF Connectors	7/16 DIN (top mounted)

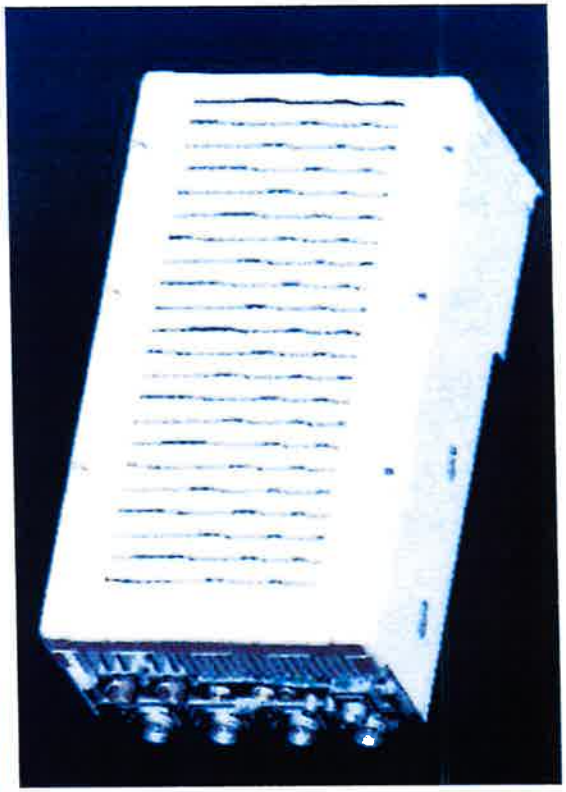
** Not a Verizon Wireless deployed product

Alcatel·Lucent

NEW PCS RF MODULES FOR VZW
RRH2X60 - HW CHARACTERISTICS

LR14.3

	RRH2x60
RF Output Power	2x60W (4x30W HW Ready)
Instantaneous Bandwidth	60MHz
Target Reliability (Annual Return Rate)	<2%
Receiver	4 Branch Rx
Features	AISG 2.0 for RET/TMA
Power	-48VDC
	Internal Smart Bias-T
CPRI Ports	2 CPRI Rate 5 Ports
External Alarms	4 External User Alarms
Monitor Ports	TX, RX
Environmental	GR487 Compliance
RF Connectors	7/16 DIN (downward facing)
Dimensions	22"(h) x 12"(w)x 9.4" (d)**
Weight	55lb**

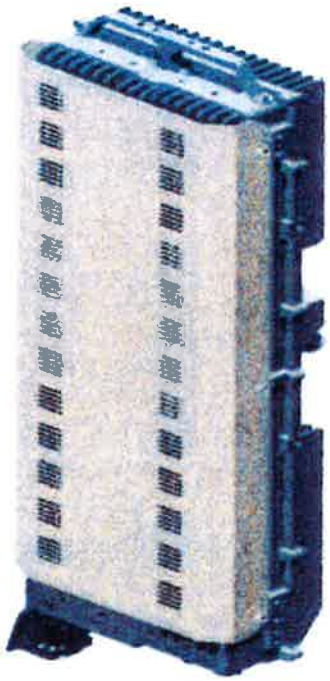


**- Includes solar shield but not mounting brackets (8 lbs.)

Alcatel·Lucent

ALCATEL-LUCENT
WIRELESS PRODUCT DATASHEET
RRH2X60-AWS FOR BAND 4 APPLICATIONS

The Alcatel-Lucent RRH2x60-AWS is a high power, small form factor Remote Radio Head operating in the AWS frequency band (3GPP Band 4) for LTE technology. It is designed with an eco-efficient approach, providing operators with the means to achieve high quality and high capacity coverage with minimum site requirements and efficient operation.



A distributed Node B expands the deployment options by using two components, a Base Band Unit (BBU) containing the digital assets and a separate RRH containing the radio-frequency (RF) elements. This modular design optimizes available space and allows the main components of a Node B to be installed separately, within the same site or several kilometers apart.

The Alcatel-Lucent RRH2x60-AWS is linked to the BBU by an optical-fiber connection carrying downlink and uplink digital radio signals along with operations, administration and maintenance (OA&M) information.

The Alcatel-Lucent RRH2x60-AWS integrates all the latest technologies. This allows to offer best-in-class characteristics.

It delivers an outstanding 120 watts of total RF power thanks to its two transmit RF paths of 60 W each.

It is ideally suited to support multiple-input multiple-output (MIMO) 2x2 operation.

It includes four RF receivers to natively support 4-way uplink reception diversity. This improves the radio uplink coverage and this can be used to extend the cell radius commensurate with 2x2MIMO 2x60 W for the downlink.

It supports multiple discontinuous LTE carriers within an instantaneous bandwidth of 45 MHz corresponding to the entire AWS B4 spectrum.

The latest generation power amplifiers (PA) used in this product achieve high efficiency (>40%), resulting in improved power consumption figures.

The Alcatel-Lucent RRH2x60-AWS is designed to make available all the benefits of a distributed Node B, with excellent RF characteristics, with low capital expenditures (CAPEX) and low operating expenditures (OPEX).

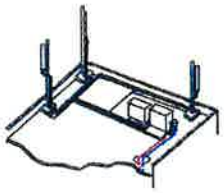
The Alcatel-Lucent RRH2x60-AWS is a very cost-effective solution to deploy LTE MIMO.

The RRH2x60-AWS includes a reversible mounting bracket which allows for ease of installation behind an antenna, or on a rooftop knee wall while providing easy access to the mid body RF connectors.

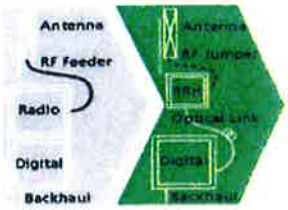
The limited space available in some sites may prevent the installation of traditional single-cabinet BTS equipment. However, many of these sites can host an Alcatel-Lucent RRH2x60-AWS installation, providing more flexible site selection and improved network quality along with greatly reduced installation time and costs.

The Alcatel-Lucent RRH2x60-AWS is a zero-footprint solution and is convection cooled without fans for silent operation, simplifying negotiations with site property owners and minimizing environmental impacts.

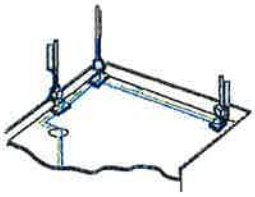
Installation can easily be done by a single person as the Alcatel-Lucent RRH2x60-AWS is compact and weighs about 20 kg, eliminating the need for a crane to hoist the BTS cabinet to the rooftop. A site can be in operation in less than one day.



Macro



RRH for space-constrained cell sites



Distributed

- RRH2x60-AWS integrates two power amplifiers of 60W rating (at each antenna connector)
- Support multiple carriers over the entire 3GPP band 4
- RRH2x60-AWS is optimized for LTE operation
- RRH2x60-AWS is a very compact and lightweight product
- Advanced power management techniques are embedded to provide power savings, such as PA bias control

- MIMO LTE operation with only one single unit per sector
- Improved uplink coverage with built-in 4-way receive diversity capability
- RRH can be mounted close to the antenna, eliminating nearly all losses in RF cables and thus reducing power consumption by 50% compared to conventional solutions
- Distributed configurations provide easily deployable and cost-effective solutions, near zero footprint and silent solutions, with minimum impact on the neighborhood, which ease the deployment
- RETA and TMA support without additional hardware thanks to the AISG v2.0 port and the integrated Bias-Tees. Bias-Tees support AISG DC supply and signaling.

Specifications listed are hardware capabilities. Some capabilities depend on support in a specific software release or future release.

Dimensions and weights
- HxWxD : 510x285x186mm (27 l with solar shield)
- Weight : 20 kg (44 lbs)

Electrical Data
- Power Supply : -48V DC (-40.5 to -57V)
- Power Consumption (ETSI average traffic load reference) : 250W @2x60W

RF Characteristics
- Frequency band: 1710-1755, UL / 2110-2155 MHz, DL (3GPP band 4)
- Output power: 2x60W at antenna connectors
- Technology supported: LTE
- Instantaneous bandwidth: 45 MHz
- Rx diversity: 2-way and 4-way uplink reception
- Typical sensitivity without Rx diversity: -105 dBm for LTE

Connectivity
- Two CPRI optical ports for daisychaining and up to six RRHs per fiber
- Type of optical fiber: Single-Mode (SM) and Multi-Mode (MM) SFPs
- Optical fiber length: up to 500m using MM fiber, up to 20km using SM fiber
- TMA/RETA : AISG 2.0 (RS485 connector and internal Bias-Tee)
- Six external alarms
- Surge protection for all external ports (DC and RF)

Environmental specifications
- Operating temperature: -40°C to 55°C including solar load
- Operating relative humidity: 8% to 100%
- Environmental Conditions : ETS 300 019-1-4 class 4.1E
- Ingress Protection : IEC 60529 IP65
- Acoustic Noise : Noiseless (natural convection cooling)

Safety and Regulatory Data
- EMC : 3GPP 25113, EN 301 489-1, EN 301 489-23, GR 1089, GR 3108, OET-65
- Safety : IEC60950-1, EN 60825-1, UL, ANSI/NFPA 70, CAN/CSA-C22.2
- Regulatory : FCC Part 15 Class B, CE Mark – European Directive : 2002/95/EC (ROHS); 2002/96/EC (WEEE); 1999/5/EC (R&TTE)
- Health : EN 50385

Alcatel·Lucent

AT THE SPEED OF IDEAS™

ATTACHMENT 2

	General	Power	Density					
Site Name: Butternut (Greenwich)								
Tower Height: 180Ft.								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**CALC. POWER DENS**	**FREQ.**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*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%	
*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%	
*T-Mobile AWS LTE	2	3571	137	0.1368	2100	1.0000	13.68%	
*T-Mobile GSM/UMTS	4	1667	137	0.1277	1950	1.0000	12.77%	
*T-Mobile LTE	1	1785	137	0.0342	700	0.4667	7.33%	
*Sprint CDMA/LTE	2	693	117	0.0364	1900	1.0000	3.64%	
*Sprint CDMA/LTE	1	390	117	0.0102	850	0.5667	1.81%	
*AT&T UMTS	1	500	148	0.0082	880	0.5867	1.40%	
*AT&T UMTS	1	500	148	0.0082	1900	1.0000	0.82%	
*AT&T GSM	6	296	148	0.0292	880	0.5867	4.97%	
*AT&T GSM	6	427	148	0.0421	1900	1.0000	4.21%	
*AT&T LTE	1	500	148	0.0082	740	0.4933	1.66%	
Verizon PCS	**1**	**1136**	**130**	**0.0242**	**1970**	**1.0000**	**2.42%**	
Verizon Cellular	**9**	**281**	**130**	**0.0538**	**869**	**0.5793**	**9.29%**	
Verizon AWS	**1**	**1694**	**130**	**0.0360**	**2145**	**1.0000**	**3.60%**	
Verizon 700	**1**	**752**	**130**	**0.0160**	**746**	**0.4973**	**3.22%**	
								87.07%
* Source: Siting Council								

ATTACHMENT 3

AECOM

Submitted to
Verizon Wireless
99 East River Drive
East Hartford, CT 06108

Submitted by
AECOM
500 Enterprise Drive,
Suite 3B
Rocky Hill, CT 06067
January 30, 2015

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

verizonwireless

Site Address: Butternut Hollow Road
Greenwich, Connecticut
CSP Tower # 74

36917431.00000
VZ5-182 Rev. 1

TABLE OF CONTENTS

1. EXECUTIVE SUMMARY

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

The proposed Verizon Wireless installation is as follows:

Proposed Antenna and Mount	Carrier	Antenna Center Elevation
Remove: **(3) BXA-171063-8BF-EDIN-2 Panel Antennas (PCS)** **(6) Diplexer units (PCS)**	**Verizon (Existing)**	**@ 130'**
Install: **(3) Andrew HBXX-6516DS-A2M Panel Antennas (AWS)** **(3) ALU RRH Units (AWS)** **(1) Raycap DB-T1-6Z-8AB-0Z Distribution Box (AWS)** **(3) Andrew HBXX-6516DS-A2M (PCS) Panel Antennas** **(3) ALU RRH Units (PCS)**	**Verizon (Proposed)**	**@ 130'**

The results of an initial analysis indicated the existing tower structure did not have enough capacity for the proposed loading conditions stated above. The tower structure requires modifications shown on SK-1 through SK-3. Once the modifications indicated on sheets SK-1 through SK-3 are performed, the modified structure is considered structurally adequate with the wind load classification specified above with the existing and proposed antenna loading.

The tower deflection (sway) is 0.69 degrees and the tower rotation (twist) is 0.03 degrees. These figures are below the Connecticut State Police specification of 0.75 degrees for deflection (sway) and (rotation) twist.

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

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) Antenna inventory provided by the Connecticut State Police via email on February 14 2014.
6) Proposed Verizon Wireless installation taken from RFDS dated June 6, 2014.
7) Previous structural analysis performed by URS Corporation on behalf of Verizon Wireless, project number VZ5-182 / 36917431, signed and sealed September 23, 2014.
8) Tower Site visit performed by URS Corporation, dated October 31, 2014.
9) Antenna inventory as specified in section 2 and 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

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

RAS/mcd

2. INTRODUCTION

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

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

Antenna Type	*Carrier*	*Mount*	*Centerline Elevation / Leg*	*Cable*
(3) 6' HP Dish	CSP 75 to 77 (reserved)	Dish Mount	180 / ABC	N/A
(1) PD-420	NEU – 55 (existing)	3' Stand-Off	180 / A	(1) 7/8"
(1) DB-583	TOG – 5 (existing)	*Shared with Above*	180 / A	(1) 1-5/8"
(1) Scala OGT9-806N (1) Sinclair SC479-HF1LDF (1 upright & 1 inverted)	CSP - 1 & 3 (existing)	3' Stand-Off	180 / B	(2) 1-5/8"
(2) Sinclair SC479-HF1LDF (inverted) (1) TMA	CSP 2, 4 & 74 (existing)	3' Stand-Off	180 / C	(2) 1-5/8" (1) 1/2"
(1) PD-420	NEU – 20 (existing)	*Shared with Above (Omni @ 180)*	178 / A	(1) 7/8"
6' HP Dish with Radome	TOG – 7 (existing)	Dish Mount	177 / B	(1) Elliptical Cable
(1) Sinclair SC479-HF1LDF	CSP – 67 (existing)	Leg Mount	176 / C	(1) 1-5/8"
6' Dish	CSP – 31 (existing)	Dish Mount	176 / A	(1) WEP65
DB-586-Y	TOG - 6 (existing)	Leg Mounted	174 / A	(1) 1-5/8"
(1) DB-586-Y	NEU-19 (existing)	Leg Mounted	167 / A	(1) 7/8"
(1) AP1185	Stamford 63 (existing)	3' Arm	165 / A	(1) 1-1/4"
(1) AP1185 (1) TMA	Stamford 64 & 65 (existing)	3' Arm	160 / A	(1) 1-1/4" (1) 3/8"
Gabriel GLF6-940	SPD - 9 (existing)	Dish Mount	160 / A	(1) EW90
(3) Sinclair SC-479-HF1LDF (1 upright, 2 inverted) (1) TMA	CSP 70 to 73 (existing)	3' Stand-Off	160	(3) 1-5/8" (1) 1/2"
(6) Powerwave 7770 (12) TMAs (3) Powerwave P65-16-XLH-RR (6) Ericsson RRU (1) Raycap Surge Suppressor	AT&T (existing)	Side Arm	150 / ABC	(12) 1-5/8" (1) Fiber Optic Cable (2) DC Cables

Antenna Type	Carrier	Mount	Centerline Elevation / Leg	Cable
(1) Kreco CO41AN	NEU – 18 (existing)	3' Stand-off	143 / A	(1) 7/8"
(3) EMS RR901700DP (6) TMA's	T-Mobile (existing)	Face Mounted	137 / ABC	(6) 1-5/8" (1) Fiber Optic Cable
(1) Celwave PD1142	CSP – 21 (existing)	*Shared with Above*	135 / B	(1) 7/8"
(1) Celwave PD1142	NEU – 17 (existing)	*Shared with Above*	135 / B	(1) 1-5/8"
(3) Andrew HBXX-6516DS-A2M Panel Antennas (AWS) (3) ALU RRH Units (AWS) (1) Raycap DB-T1-6Z-8AB-0Z Distribution Box (AWS) (3) Andrew HBXX-6516DS-A2M (PCS) Panel Antennas (3) ALU RRH Units (PCS)	**Verizon (Proposed)**	Shared with Below	**130 / ABC**	See Below Cables
(3) SLCP 2x6014 Panels (6) Andrew DB844H80-XY Panels (6) Diplexers	Verizon (existing)	Boom Gate (existing)	130 / ABC	(12) 1 5/8" (1) 1-5/8" Fiber Optic Cable
(3) APXVSPP18-C Panel Antennas (6) RRH	Sprint (existing)	Boom Gate (existing)	117 / ABC	(3) Hybriflex Cables
(1) PD1142	NEU – 17 (existing)	3' Stand-off	115 / A	(1) 7/8"
(1) PD1142	CSP – 66 (existing)	Leg Mounted	80 / A	(1) 7/8"
(1) 10' Dipole	DOT – 56 (existing)	3' Arm	80 / B	(1) 7/8"
(1) PD-1142	DEP – 54 (existing)	Leg Mounted	80 / C	(1) 7/8"
(1) GPS	Sprint - 69 (existing)	Leg Mounted	62 / B	(1) 1/2"
(1) GPS (TMG-26N)	Verizon - 68 (existing)	Leg Mounted	60 / C	(1) 1/2"

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

3. ANALYSIS METHODOLOGY AND LOADING CONDITIONS

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

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

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

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

4. FINDINGS AND EVALUATION

The stresses on the tower structure were evaluated to compare with the allowable stress in accordance with AISC. The results of an initial analysis indicated that the existing tower did not have enough capacity to support the proposed loading conditions. The tower structure requires modifications shown on SK-1 through SK-3. Once the modifications indicated on sheets SK-1 through SK-3 are performed, the modified structure is considered structurally adequate with the wind load classification specified with the existing and proposed antenna loading noted herein. See the below tables for tower capacity and tower deflection (sway) and rotation (twist) figures:

Tower Twist & Sway 90 mph concurrent with ice:

Component	Allowable	Actual
Twist	0.75°	0.03°
Sway		0.69°

Proposed Tower Component Stress vs Capacity Summary

Component	Component Size	Controlling Member	Stress (% Capacity)	Pass/Fail
Rohn Diagonal	L2.5x2.5x3/16	Rohn-DC21	95.45	Pass
Modified Rohn Leg	Pipe 6 SCH 40 w/ ¼" Bent Plate	Rohn-LF1P	80.37	Pass
Rohn Horizontal	L1.75x1.75x3/16	Rohn-H22	48.26	Pass
Interior Tower Diagonal	L5x5x5/8	SNB-DI11	92.81	Pass
Interior Tower Leg	Pipe 8 SCH 80 (Extra Strong)	SNB-LH2P	91.58	Pass
Interior Tower Horizontal	Pipe4x0.494 (Pipe 4 XXS)	SNB-H9fP	9.55	Pass
Tower Connection	A325 Bolt	3/4" Bolt	74.9	Pass
Foundation	36.5' Square	Overturning Moment (F.S. = 2.0 min)	2.07 / 96.62	Pass

Notes:

1. "SNB" member designations under the "Controlling Member" section of the above table refer to the interior tower members in the PLS-Tower analysis program.
2. "F.S." refers to the Factor of Safety of the tower foundation to resist the tower from turning over by a multiplied value of 2.0, as required by the Connecticut State Building Code.

5. CONCLUSIONS

The results of an initial analysis indicated the existing tower structure did not have enough capacity for the proposed loading conditions stated above. The tower structure requires modifications shown on SK-1 through SK-3. Once the modifications indicated on sheets SK-1 through SK-3 are performed, the modified structure is considered structurally adequate with the wind load classification specified above with the existing and proposed antenna loading.

The tower deflection (sway) is 0.69 degrees and the tower rotation (twist) is 0.03 degrees. These figures are below the Connecticut State Police specification of 0.75 degrees for deflection (sway) and (rotation) twist.

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 manufacturer drawings and are in good condition.

C. All required members are in place.

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

E. Tower is in plumb condition.

F. All member protective coatings are in good condition.

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

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

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

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

Ongoing and Periodic Inspection and Maintenance:

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

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

6. ANALYSIS DATA

TOWER REINFORCEMENT DRAWINGS SK-1 THROUGH SK-3

GENERAL CONSTRUCTION NOTES

1. ALL WORK SHALL COMPLY WITH THE CONNECTICUT STATE BUILDING AND LIFE SAFETY CODES, SUPPLEMENTS AND AMENDMENTS.
2. CONTRACTOR IS TO REVIEW ALL DRAWINGS AND NOTES IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUB-CONTRACTORS AND ALL RELATED PARTIES. THE SUB-CONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
3. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON DRAWINGS OR WRITTEN IN SPECIFICATIONS.
4. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
5. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION AND ELECTRICAL SUB-CONTRACTORS SHALL PAY FOR THEIR PERMITS.
6. CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS ON SITE AT ALL TIMES AND ENSURE THE DISTRIBUTION OF NEW DRAWINGS TO SUB-CONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. CONTRACTOR SHALL FURNISH "AS-BUILT" SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
7. INSTALLATION OF THIS WIRELESS COMMUNICATIONS EQUIPMENT SITE REQUIRES WORK IN THE IMMEDIATE VICINITY OF EXISTING OPERATING TELECOMMUNICATION SYSTEMS. THE CONTRACTOR SHALL PROVIDE AND COORDINATE THE METHODS OF PROTECTION WITH THE VARIOUS TELECOMMUNICATION CARRIERS AND THE TOWER OWNER. THERE SHALL BE NO INTERRUPTION OF OPERATION WITHOUT TIMELY COORDINATION WITH AND APPROVAL BY THE VARIOUS COMMUNICATIONS OPERATORS INCLUDING THE CONNECTICUT STATE POLICE.
8. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB-CONTRACTORS FOR ANY CONDITION PER MFR'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR ARCHITECT.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
10. CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ARCHITECT FOR REVIEW. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTAL TO THE ARCHITECT FOR REVIEW.
11. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA. SUBMIT ANY DISCREPANCIES FROM THE DRAWINGS TO THE ARCHITECT.
12. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURE AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.
13. CONTRACTOR TO CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 TO VERIFY AND IDENTIFY THE EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES AND OBSTRUCTIONS IDENTIFIED PRIOR TO COMMENCING WORK IN THE CONTRACT AREA.
14. CONTRACTOR SHALL COMPLY WITH OWNER ENVIRONMENTAL ENGINEER ON ALL METHODS AND PROVISIONS FOR ALL EXCAVATION ACTIVITIES INCLUDING SOIL DISPOSAL. ALL BACKFILL MATERIALS TO BE PROVIDED BY THE CONTRACTOR.
15. DIMENSIONS OF EXISTING TOWER ARE BASED ON MANUFACTURER'S DRAWINGS PREPARED BY ROHN INDUSTRIES, INC., DATED DECEMBER 1992, AND ARE NOT GUARANTEED. CONTRACTOR SHALL TAKE FIELD DIMENSIONS AS NECESSARY TO ASSURE PROPER FIT OF ALL FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENT ARE SUBMITTED FOR REVIEW, DIMENSIONS ARE PROVIDED FOR THE ENGINEER'S REFERENCE ONLY.
16. TOWER INVENTORY IS BASED ON INFORMATION OBTAINED BY CONNECTICUT STATE POLICE DATED FEBRUARY 2014 AND INFORMATION OBTAINED FROM VERIZON WIRELESS DATED JUNE 2014.
17. CONTRACTOR TO VERIFY REQUIRED CLEARANCES INCLUDING BUT NOT LIMITED TO EXISTING BUILDINGS, EQUIPMENT PADS AND SHELTERS PRIOR TO COMMENCING WORK.
18. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION. NO MEMBER OF THE TOWER SHALL BE LEFT DISCONNECTED FOR THE NEXT WORKING DAY. THE CONTRACTOR SHALL BE AWARE OF WEATHER AND WIND CONDITIONS AND NOT PERFORM MEMBER REPLACEMENT IN A WIND.

STRUCTURAL NOTES

STRUCTURAL STEEL MATERIAL:

STRUCTURAL STEEL BEAMS, CHANNELS, PLATES..... A36
STRUCTURAL ANGLES:
ANGLE SIZE 2-1/2"x2-1/2"x1/4" AND SMALLER A36
ANGLE SIZE GREATER THAN 2-1/2"x2-1/2"x1/4"..... A 572 Gr. 50
EXISTING TOWER LEG ROHN PIPE ..... A 572-Gr. 50
STRUCTURAL STEEL SHALL CONFORM TO ALL THE REQUIREMENTS OF THE ASTM SPECIFICATION, AS REFERENCED IN THE CODE.

UNLESS OTHERWISE NOTED, ALL STEEL WILL BE GALVANIZED IN ACCORDANCE WITH ASTM 123 AFTER FABRICATION. TOUCH UP ALL DAMAGED GALVANIZED STEEL WITH APPROVED COLD ZINC. "GALVANOX", "DRY GALV", "ZINC-IT", OR APPROVED EQUIVALENT, IN ACCORDANCE WITH MANUFACTURERS GUIDELINES. TOUCH-UP DAMAGED NON GALVANIZED STEEL WITH SAME PAINT APPLIED IN SHOP OR FIELD.

SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL STEEL WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. SUBMIT 2 SETS OF PRINTS FOR THE ENGINEER REVIEW.

MILL BEARING ENDS OF COLUMNS, STIFFENERS, AND OTHER BEARING SURFACES TO TRANSFER LOAD OVER ENTIRE CROSS SECTION.

THE OMISSION OF ANY MATERIAL THAT WAS SHOWN ON THE CONTRACT DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF PROVIDING THE SAME.

CONNECTIONS / FIELD ASSEMBLY:

BOLTED CONNECTIONS: UNLESS OTHERWISE NOTED, ALL JOINTS ARE SLIP CRITICAL TYPE, REQUIRING 5/8" DIA. A325-N BOLTS, A563 NUTS AND F436 WASHERS, ALL GALVANIZED. BEVELED WASHERS SHALL BE USED ON BEAM FLANGES HAVING A SLOPE GREATER THAN 1:20.

STRUCTURE IS DESIGNED TO BE LEVEL AND PLUMB, SELF-SUPPORTING AND STABLE AFTER WORK IS COMPLETED.

COMMENCEMENT OF WORK WITHOUT NOTIFYING THE ENGINEER OF ANY DISCREPANCIES WILL BE CONSIDERED ACCEPTANCE OF PRECEDING WORK.

INSPECTIONS:

SPECIAL INSPECTIONS ARE REQUIRED PER THE CODE FOR STRUCTURAL STEEL WORK.

OWNER WILL SUPPLY THE SERVICES OF A SPECIAL INSPECTOR AND TESTING AGENTS AS REQUIRED. CONTRACTOR SHALL COORDINATE INSPECTIONS OF FABRICATOR'S AND ERECTOR'S WORK AND MATERIALS TO MEET THE REQUIREMENTS OF THE STATEMENT OF SPECIAL INSPECTIONS FOR THIS PROJECT.

COPIES OF TESTING AND INSPECTION REPORTS WILL BE PROVIDED TO THE OWNER, BUILDING OFFICIAL, ENGINEER OF RECORD AND CONTRACTOR.

PROJECT NO. 36917431
Designed by: MCD
Drawn by: KAP
Checked by: KAB
Approved by: RAS

AECOM
500 ENTERPRISE DRIVE
ROCKY HILL, CONNECTICUT
(860)-529-8882

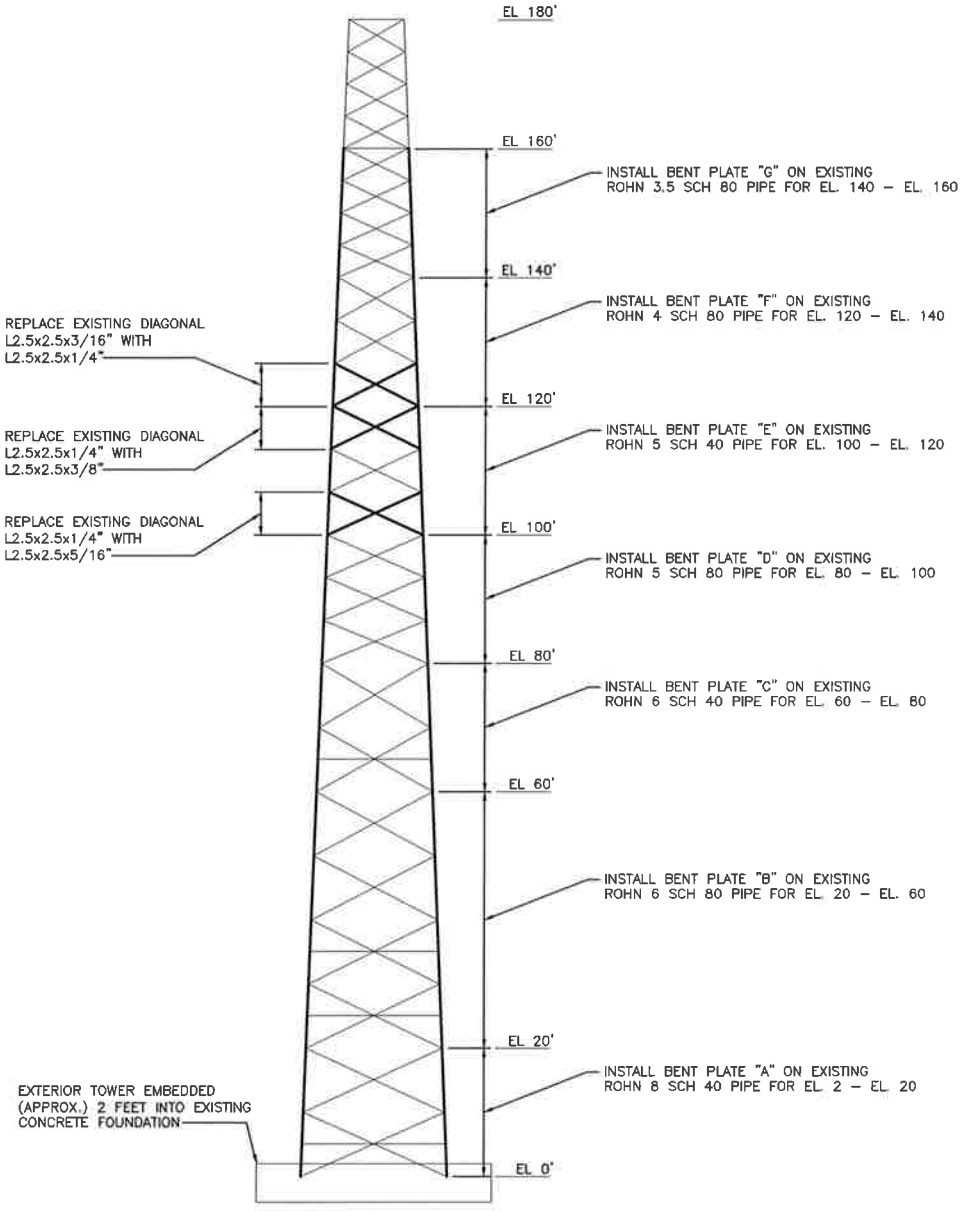
verizon wireless

SITE ADDRESS: BUTTERNUT HOLLOW ROAD
GREENWICH, CONNECTICUT 06831

REV.	DATE:	DESCRIPTION

Scale: AS NOTED | Date: 01/30/15
Job No. VZ5-182 | File No.

Dwg. No. SK-1



1 / SK–2 **TOWER ELEVATION**

SCALE: 1" = 30'–0"

NOTE:
THE EXISTING TOWER STRUCTURE IS COMPRISED OF AN OUTER TOWER AND AN INNER TOWER. THE WORK TO REINFORCE THE EXISTING TOWER STRUCTURE IS REQUIRED ON THE OUTER TOWER ONLY. THE INNER TOWER IS NOT SHOWN FOR CLARITY.

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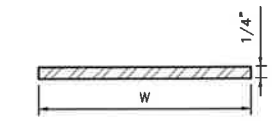
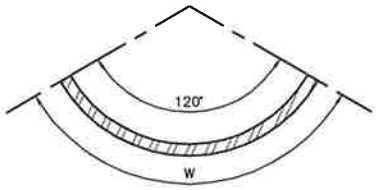
Job No. VZ5–182 | File No.

Dwg. No. SK–2

Dwg. 2 of 3



BENT PLATE – BEFORE BEND



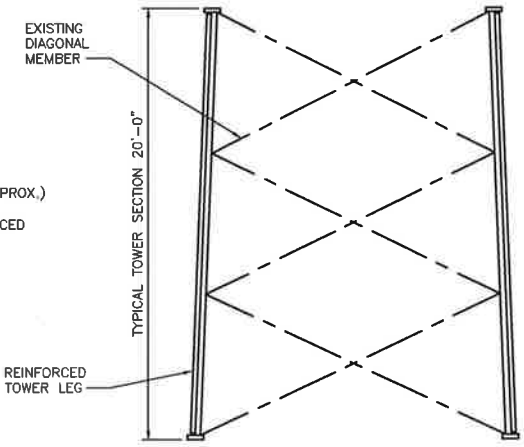
BENT PLATE – AFTER BEND

	WIDTH "W" (in.)
BENT PLATE G	4.500
BENT PLATE F	5.000
BENT PLATE E	6.1250
BENT PLATE D	6.1250
BENT PLATE C	7.25
BENT PLATE B	7.25
BENT PLATE A	9.3125

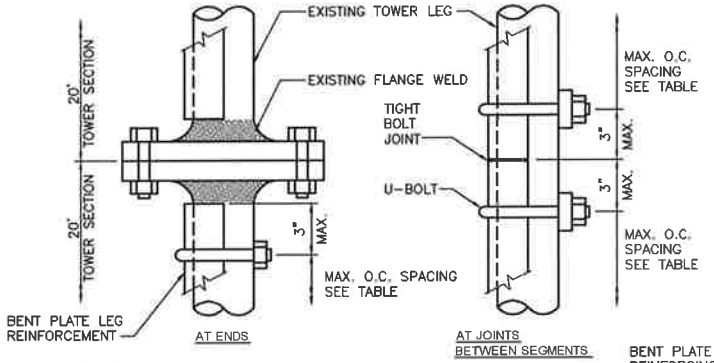
NOTE:
PLATE SIZES ARE MINIMUM WIDTHS FOR BENDING OF 20' LONG (APPROX.) SEGMENTS CONSISTING OF 50 ksi STEEL (MINIMUM). FULL LENGTH SEGMENTS ARE NOT REQUIRED, HOWEVER, LEGS SHALL BE REINFORCED WITH THE FEWEST NUMBER OF SEGMENTS POSSIBLE.

4 / SK-3 **BENT PLATE DETAIL**
SCALE: N.T.S.

ELEVATION	MINIMUM # CLAMPS / 20' SECTION	MAXIMUM SPACING (IN.)
160 – 140	20 / LEG	12
140 – 120	18 / LEG	13.25
120 – 100	18 / LEG	13.25
100 – 80	18 / LEG	13.25
80 – 60	12 / LEG	20
60 – 40	12 / LEG	20
40 – 20	12 / LEG	20
20 – 0	12 / LEG	20



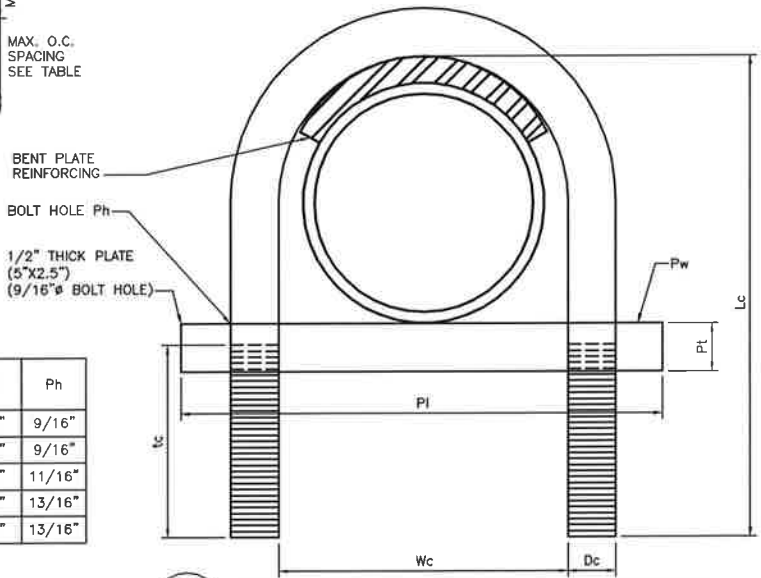
3 / SK-3 **LEG REINFORCEMENT AT TOWER SECTION**
SCALE: N.T.S.



2 / SK-3 **REINFORCEMENT DETAIL**
SCALE: N.T.S.

NOTE: BENT PLATE LEG REINFORCING SHALL BE PLACED AS CLOSE TO EXISTING FLANGE WELD AS POSSIBLE.

TOWER LEG DIAMETER (in.)	ELEVATION	Dc	Lc	Wc	tc	Pl	Pw	Pt	Ph
4 O.D.	140' – 160'	1/2"	5 1/2"	4 1/8"	2"	6 1/2"	2 1/2"	1/2"	9/16"
4.5 O.D.	120' – 140'	1/2"	5 3/4"	4 9/16"	2"	7"	3"	1/2"	9/16"
5.563 O.D.	80' – 120'	5/8"	7"	5 9/16"	2"	8"	3"	1/2"	11/16"
6.625 O.D.	20' – 80'	3/4"	8 3/4"	6 3/4"	3"	10"	3"	1/2"	13/16"
8.625 O.D.	0' – 20'	3/4"	10 1/4"	8 3/4"	3"	12"	3"	1/2"	13/16"



1 / SK-3 **U-BOLT FOR LEG REINFORCEMENT**
SCALE: 6" = 1'-0"

NOTES:
U-BOLT DISTANCE FROM END OF BENT PLATE SHALL BE 3" (MAX.) FROM END, U.N.O. U-BOLT MATERIAL SHALL BE (AT MINIMUM) GRADE 2 ASTM J429 HOT DIPPED GALVANIZED.

BENT PLATE LEG REINFORCEMENT SHALL HAVE ENDS BUTTED AGAINST EACH OTHER TO MINIMIZE GAPS BETWEEN THE REINFORCEMENT. BENT PLATE LEG REINFORCING SHALL BE, AT MINIMUM, EQUIVALENT TO THE DETAILS SHOWN.

PROJECT NO. 36917431
Designed by: MCD
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SITE ADDRESS: BUTTERNUT HOLLOW ROAD
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REV.	DATE:	DESCRIPTION

Scale: AS NOTED | Date: 01/30/15
Job No. VZ5-182 | File No.

Dwg. No. SK-3
Dwg. 3 of 3

TOWER LEG REINFORCEMENT - CALCULATION DATA

URS

Job	Greenwich Ct Modification			Page ____	of ____
		Project No.	VZ5-182R1	Sheet 1	of 2
Description	Bent Plate properties	Computed by	McD	Date	1/2015
		Checked by		Date	

Reference

Properties 1/4" Bent Plate Simulated 120° Bent Pipe:

(Ref.)

region: 0'-20'

Exp-1 (L8 = P8 Sch40):

$A = 2.3248\ in^2$

$I_x = 1.0554\ in^4 \rightarrow r_x = \sqrt{I_x/A} = 0.6738\ in$ (governs)

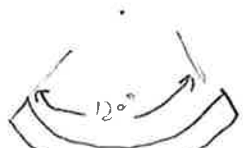
$I_y = 13.4503\ in^4 \rightarrow r_y = \sqrt{I_y/A} = 2.4053\ in$

Arc Length = 9.299 in

---

region 40'-60'

Exp-2 (L7 = P6 Sch80):



$A = 1.8012\ in^2$

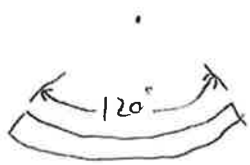
$I_x = 0.4937\ in^4 \rightarrow r_x \sqrt{I_x/A} = 0.5235\ in$ (governs)

$I_y = 6.2587\ in^4 \rightarrow r_y \sqrt{I_y/A} = 1.8641\ in$

arclength ≈ 7.2047 in

Exp-3 (L6 = P6 Sch 40):

region 60'-80'



$A = 1.7999\ in^2$

$I_x = 0.4926\ in^4 \Rightarrow r_x = \sqrt{I_x/A} = 0.5231\ in$ (governs)

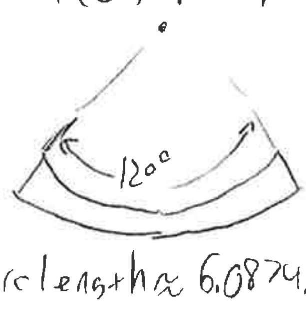
$I_y = 6.2451\ in^4 \rightarrow r_y = \sqrt{I_y/A} = 1.8627\ in$

Arclength ≈ 7.1995 in

---

region 80'-100'

Exp-4 (L5 = P5 Sch80):



$A = 1.5218\ in^2$

$I_x = 0.2995\ in^4 \rightarrow r_x = \sqrt{I_x/A} = 0.4436$ (governs)

$I_y = 3.7770\ in^4 \rightarrow r_y = \sqrt{I_y/A} = 1.5754\ in$

Arclength ≈ 6.0874 in

URS

Job Greenwich, CT Modification | Project No. 125-182R1 | Page ____ of ____
Description Bent Plate properties | Computed by MCD | Date 1/2015 | Sheet 2 of 2
Checked by ____ | Date ____
Reference

Region 100'-120'

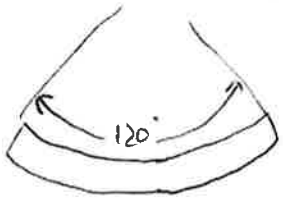
Exp-5 (L4 = P5 Sch 40):

$A = 1.5218\ in^2$
$I_x = 0.2995\ in^4 \rightarrow r_x = 0.4436\ in$ (governs)
$I_y = 3.7720\ in^4 \rightarrow r_y = 1.5754\ in$

arc length $\approx 6.0874\ in$

Region 120'-140'

Exp-6 (L3 = P4 Sch 80):



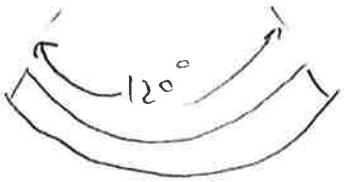
$A = 1.2435\ in^2$
$I_x = 0.1650\ in^4 \rightarrow r_x = \sqrt{I_x/A} = 0.3643\ in$ (governs)
$I_y = 2.0627\ in^4 \rightarrow r_y = \sqrt{I_y/A} = 1.2879\ in$

(3)

arc length $\approx 4.9742\ in$

Region 140'-160'

Exp-7 (L2 = P3.5 Sch 80):



$A = 1.1126\ in^2$
$I_x = 0.1191\ in^4 \rightarrow r_x = \sqrt{I_x/A} = 0.3272\ in$ (governs)
$I_y = 1.4785\ in^4 \rightarrow r_y = \sqrt{I_y/A} = 1.1528\ in$

(4)

Arc length $\approx 4.4506\ in$

URS

Job Greenwich, Ct MoDification
Description Effective clamps for Leg Reinforcement
Project No. V35-182R1
Computed by MCJ
Checked by
Page ___ of ___
Sheet 1 of 7
Date 1/2015
Date

Reference

Calculate Effective distance of Clamp for reinforced leg;

- For the region of 0'-20':

  - Use 1/4" bent plate (120°)
    Properties:
    - Material = 50ksi (min)
    - Area = 2.3248 in^2
    - Ix = 1.0554 in^4 → $r_x = \sqrt{\frac{I_x}{A}} = 0.6738$ in (governs)
    - Iy = 13.4503 in^4 → $r_y = \sqrt{\frac{I_y}{A}} = 2.4053$ in

  - Consider ~~leg~~ effective length = 10ft = 120in

    - Compare property of existing leg against the reinforcing bent plate:
      - Leg Properties: (ROHN 8 (8.SCH 40))
        K = 1.0
        L = 120in
        r = 2.94in

        $\frac{KL}{r} = \frac{120in}{2.94in} = 40.8163$

    - Consider weaker radius of gyration for analysis

clamps (1/2" ϕ): $\frac{KL/(\#clamp-1)}{r_{weak}} \rightarrow \frac{(1.0)(120in)/(6-1)}{0.6738in} = 35.6189 < 40.8$ (OK)

Result:
- Because the local (KL/r) ratio is less than the existing (KL/r) ratio, the use of 6 clamps at a maximum spacing of 20inches shall be a minimum requirement for reinforcing leg installation.

URS

Job Greenwich, CT Modification | Project No. V25-182R1 | Page ____ of ____

Description Effective clamps for Leg reinforcement | Computed by MCJ | Sheet 2 of 7

Checked by ____ | Date 1/2015

Reference

Calculate Effective distance of clamp for reinforced leg:

- For the region of 20'-60':

  - Use 1/4" bent plate (120°)

    Properties:
    - Material = 50 ksi (Min.)
    - Area = $1.8012\ in^2$
    - Ix = $0.4957\ in^4$ → $r_x = \sqrt{I_x/A} = 0.5235\ in$ (governs)
    - Iy = $6.2587\ in^4$ → $r_y = \sqrt{I_y/A} = 1.8641\ in$

  - Consider leg effective length = 10ft = 120 in

    - Compare property of existing leg against the reinforcing bent plate:
      - Leg properties: (RHN/GEH (65cH80))

        K = 1.0

        L = 120 in

        r = 2.19 in

        $\frac{KL}{r} = \frac{(1)(120)}{2.19} = 54.7945$

    - Consider weaker radius of gyration for analysis:

      # Clamps (1/2" ϕ): $\frac{KL/(\text{clamps}-1)}{r_{weak}} \rightarrow \frac{(1)(120\ in)/(6-1)}{0.5235\ in} = 45.845 < 54.7945$ (OK)

Result:

- Because the local (KL/r) ratio is less than the existing (KL/r) ratio, the use of 6 clamps at a maximum spacing of 20 inches shall be a minimum requirement for reinforcing leg installation.

URS

Job Greenwich, CT MODification — Project No. V25-182R 1 — Page ___ of ___ — Sheet 3 of 7

Description Effective Clamps for Leg Reinforcement — Computed by MCD — Date 1/2015

Checked by ___ — Date ___

Reference

Calculate Effective distance of Clamp for reinforced leg:

- For the region 60'-80':

  - Use 1/4" bent plate (120°)

    Properties:

    - Material = 50ksi (min.)
    - Area = 1.7999 in^2
    - I_x = 0.4926 in^4 → $r_x = \sqrt{I_x/A} = \sqrt{\frac{0.4926}{1.7999}} = 0.5231$ in (governs)
    - I_y = 6.2451 in^4 → $r_y = \sqrt{I_y/A} = \sqrt{\frac{6.2451}{1.7999}} = 1.8627$ in

- Consider leg effective length = 10ft = 120 in

  - Compare property of existing leg against the reinforcing bent plate:

    - Leg properties: (ROHN 6 (6 SCH 40))

      K = 1.0

      L = 120 in

      r = 2.25 in

      $\frac{KL}{r} = \frac{(1)(120)}{2.25} = 53.3333$

  - Consider weaker radius of gyration for analysis:

Clamps (1/2" Ø): $\frac{KL/(Clamps-1)}{r_{weak}} \rightarrow \frac{(1)(120\ in)/(6-1)}{0.5231\ in} = 45.8803 < 53.3333$ (OK)

Result:

- Because the local (KL/r) ratio is less than the existing (KL/r) ratio, the use of 6 clamps at a maximum spacing of 20 inches shall be a minimum requirement for reinforcing leg installation.

Calculate Effective distance of Clamp for reinforced leg:

- For the region 80'-100':

  - Use 1/4" bent plate (120°)
    Properties:
    - Material = 50ksi (min.)
    - Area = 1,5218 in²
    - I_x = 0,2995 in⁴ → $r_x = \sqrt{I_x/A}$ = 0,4436 in (governs)
    - I_y = 3,7770 in⁴ → $r_y = \sqrt{I_y/A}$ = 1,5754 in

- Consider Leg effective length = $\frac{20ft}{3}$ = 6,667 ft = 80 in

  - Compare property of existing leg against the reinforcing bent plate;

    - Leg properties; (ROHN 5EH(5SCH80))

    K = 1,0
    L = 80 in
    r = 1,84 in

    $\frac{KL}{r} = \frac{(1)(80)}{1.84} = 43,4783$ 100 43,4783

  - Consider weaker radius of gyration for analysis:

#clamps (1/2"Ø); $\frac{KL/(clamps-1)}{r_{weak}} = \frac{(1)(80)/(6-1)}{0.4436\ in} = 36,0685 < 43,4783$ (OK)

Result:
- Because the local (KL/r) ratio is less than the existing (KL/r) ratio, the use of 6 clamps at a maximum spacing of 13,25 inches shall be a minimum requirement for reinforcing leg installation.

Calculate Effective distance of Clamp for reinforced leg:

- For the region 100'-120':

- Use 1/4" bent plate (120°)
  - Properties:
    - Material = 50ksi (min.)
    - Area = 1.5218 in²
    - Ix = 0.2995 in⁴ → $r_x = \sqrt{I_x/A} = 0.4436$ in (governs)
    - Iy = 3.7770 in⁴ → $r_y = \sqrt{I_y/A} = 1.5754$ in

- Consider leg effective length = $\frac{20\,ft}{3}$ = 6.66 ft = 80 in

  - Compare property of existing leg against the reinforcing bent plate:

- Leg Properties: (ROHN 5 (5 SCH 40))

K = 1.0
L = 80 in
r = 1.88 in

$$\frac{KL}{r} = \frac{(1)(80)}{1.88} = 42.5532$$

  - Consider weaker radius of gyration for analysis:

Clamps (1/2" Ø): $\frac{KL/(clamps-1)}{r_{weak}} = \frac{(1)(80\,in)/(6-1)}{0.4436} = 36.0685 < 42.5532$ [✓ ok]

Result:
- Because the local (KL/r) ratio is less than the existing (KL/r) ratio, the use of 6 clamps at a maximum spacing of 13.25 inches shall be a minimum requirement for reinforcing leg installation

Calculate Effective distance of Clamp for reinforced leg:

- For the region 120'-140':

- Use 1/4" bent plate (120°)
  - Properties:
  - Material = 50 ksi (min)
  - Area = 1.2435 in^2
  - I_x = 0.1650 in^4 → $r_x = \sqrt{I_x/A}$ = 0.3643 in (governs)
  - I_y = 2.0627 in^4 → $r_y = \sqrt{I_y/A}$ = 1.2879 in

- Consider leg effective length $= \frac{20\,ft}{3} =$ 6.667 ft = 80 in

  - Compare property of existing leg against the reinforcing bent plate:

- Leg Properties (ROHN P4EH (45CH80)):

$K = 1.0$
$L = 80\,in$
$r = 1.48\,in$

$$\frac{KL}{r} = \frac{(1)(80)}{1.48} = 54.0541$$

- Consider weaker radius of gyration for analysis:

#clamps (1/2"Ø): $\frac{KL/(clamps-1)}{r_{weak}} = \frac{(1)(80\,in)/(6-1)}{0.3643\,in} = 43.9198 < 54.0514$ (OK)

Result:
- Because the local (KL/r) ratio is less than the existing (KL/r) ratio, the use of 6 clamps at a maximum spacing of 13.25 inches shall be a minimum requirement for reinforcing leg installation.

Calculate Effective distance of Clamp for reinforced leg;

- For the region 140'-160';

- Use 1/4" bent plate (120°)
  - Properties:
  - Material = 50 ksi (min)
  - Area = 1.1126 in^2
  - I_x = 0.1191 in^4 → $r_x = \sqrt{I_x/A}$ = 0.327 in (governs)
  - I_y = 1.4785 in^4 → $r_y = \sqrt{I_y/A}$ = 1.1528 in

- Consider property of existing leg against the reinforcing bent plate:

- Leg Properties
  - K = 1.0
  - L = 60 in
  - r = 1.31 in

Leg effective length $= \frac{20 ft}{4} = 5 ft = 60 in$

$\frac{KL}{r} = \frac{(1)(60)}{1.31} = 45.8015$

- Consider weaker radius of gyration for analysis:

clamps (1/2" Ø): $\frac{KL/(clamps-1)}{r_{weak}} = \frac{(1)(60)/(6-1)}{0.3272 in} = 36.6748 < 45.8015$ (OK)

Result:
- Because the local (KL/r) ratio is less than the existing (KL/r) ratio, the use of 6 clamps at a maximum spacing of 12.0 inches shall be a minimum requirement for reinforcing leg installation.

PLS-TOWER INPUT / OUTPUT SUMMARY

Project Name : VZ5-170 / Verizon Wireless
Project Notes: Butternut Hollow
Project File : C:\Users\Michael_Dalickas\Desktop\Greenwich Copy for MOD\all_passing_tower.tow
Date run : 12:51:17 PM Friday, January 30, 2015
by : Tower Version 10.62
Licensed to : URS Connecticut

Successfully performed nonlinear analysis

Unusual number of fixed joints found: 6. Towers normally have from between 1 and 4 fixed joints. ??
Linear appurtenance "1-5/8" @ 180`" 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" @ 180`" 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" @ 180`" 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 @ 175`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 175`" 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 @ 170`" 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" @ 170`" 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" @ 165`" 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" @ 165`" 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 @ 160`" 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" @ 160`" 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" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 160`" 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" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ ATT" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Optic Fiber Cable @ ATT" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "DC Cable @ ATT" 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" @ 145`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 140`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ VZW" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Optic Fiber Cable @ VZW" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Hybriflex Cables @ Sprint" 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" @ 113`" 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" @ 80`" 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" @ 60`" 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" @ 20`" 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 27 warnings. ??

Member check option: TIA/EIA 222-F
Connection rupture check: ASCE 10
Crossing diagonal check: ASCE 10 [Alternate Unsupported RLOUT = 1]
Loads from file: c:\users\michael_dalickas\desktop\greenwich copy for mod\vz5-182.eia

*** Analysis Results:

Maximum element usage is 95.45% for Angle "Rohn-DC21" 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	9.86	1.94	19.63	10.05	-0.70	3.96	-0.03	4.02	0.00
W+I -90 deg	SNB-JP	22.94	3.19	19.42	23.16	0.74	6.75	0.03	6.79	0.00
W+I -90 deg	RohnJ1	3.00	6.68	249.25	7.33	0.79	-0.63	0.01	1.01	0.00
W+I -90 deg	RohnJ2	-12.85	23.79	-210.40	27.04	-6.17	-3.24	0.01	6.97	0.00
W+I -90 deg	SNB-J1	1.42	5.65	296.17	5.83	0.71	0.14	-0.02	0.72	0.00
W+I -90 deg	SNB-J2	-24.36	45.27	-257.64	51.41	-11.15	-6.77	-0.01	13.04	0.00
W+I -60 deg	RohnJP	0.21	1.57	149.29	1.58	-0.50	2.29	-0.02	2.34	0.00
W+I -60 deg	SNB-JP	6.91	2.68	175.50	7.41	0.73	3.25	0.03	3.33	0.00
W+I -60 deg	RohnJ1	-1.33	0.52	149.16	1.42	1.78	-1.49	0.02	2.32	0.00
W+I -60 deg	RohnJ2	-14.66	25.22	-239.97	29.17	-6.33	-3.72	-0.00	7.34	0.00
W+I -60 deg	SNB-J1	-5.76	-4.66	175.40	7.41	3.19	-0.98	-0.03	3.33	0.00

W+I -60 deg	SNB-J2	-27.45	47.52	-292.96	54.88	-11.97	-6.92	-0.00	13.83	0.00
W+I 0 deg	RohnJP	-11.46	-0.09	302.83	11.46	0.06	0.27	0.00	0.28	0.00
W+I 0 deg	SNB-JP	-12.71	-0.01	361.65	12.71	0.01	-0.96	0.00	0.96	0.00
W+I 0 deg	RohnJ1	-11.86	-16.88	-122.12	20.63	4.68	-3.54	0.03	5.87	0.00
W+I 0 deg	RohnJ2	-11.70	16.97	-122.24	20.61	-4.73	-3.45	-0.02	5.85	0.00
W+I 0 deg	SNB-J1	-23.00	-33.76	-151.80	40.85	9.48	-4.86	-0.02	10.66	0.00
W+I 0 deg	SNB-J2	-22.98	33.77	-151.90	40.85	-9.49	-4.85	0.02	10.66	0.00
W+I 60 deg	RohnJP	0.21	-1.66	149.29	1.67	0.55	2.29	0.02	2.35	0.00
W+I 60 deg	SNB-JP	6.91	-2.70	175.50	7.42	-0.72	3.25	-0.03	3.33	0.00
W+I 60 deg	RohnJ1	-14.73	-25.18	-239.86	29.17	6.31	-3.76	0.00	7.34	0.00
W+I 60 deg	RohnJ2	-1.25	-0.48	149.05	1.34	-1.81	-1.44	-0.01	2.31	0.00
W+I 60 deg	SNB-J1	-27.45	-47.52	-292.86	54.88	11.97	-6.92	0.00	13.83	0.00
W+I 60 deg	SNB-J2	-5.75	4.66	175.30	7.40	-3.19	-0.98	0.03	3.34	0.00
W+I 90 deg	RohnJP	9.86	-1.95	19.63	10.05	0.71	3.96	0.03	4.02	0.00
W+I 90 deg	SNB-JP	22.94	-3.19	19.42	23.16	-0.74	6.75	-0.03	6.79	0.00
W+I 90 deg	RohnJ1	-12.85	-23.79	-210.29	27.04	6.17	-3.24	-0.01	6.97	0.00
W+I 90 deg	RohnJ2	3.00	-6.68	249.14	7.32	-0.79	-0.63	-0.01	1.01	0.00
W+I 90 deg	SNB-J1	-24.36	-45.27	-257.54	51.41	11.15	-6.76	0.01	13.04	0.00
W+I 90 deg	SNB-J2	1.42	-5.65	296.07	5.83	-0.71	0.14	0.02	0.72	0.00
DL + Ice Only	RohnJP	9.78	-0.00	19.65	9.78	0.00	3.98	0.00	3.98	0.00
DL + Ice Only	SNB-JP	22.79	-0.00	19.39	22.79	0.00	6.80	0.00	6.80	0.00
DL + Ice Only	RohnJ1	-4.89	-8.47	19.52	9.78	3.45	-1.99	-0.00	3.98	0.00
DL + Ice Only	RohnJ2	-4.89	8.47	19.41	9.78	-3.45	-1.99	0.00	3.98	0.00
DL + Ice Only	SNB-J1	-11.39	-19.74	19.28	22.79	5.89	-3.40	-0.00	6.80	0.00
DL + Ice Only	SNB-J2	-11.40	19.74	19.18	22.79	-5.89	-3.40	0.00	6.80	0.00

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

Load Case	Support Joint	Origin Joint	Leg Member	Force In Leg Dir. (kips)	Residual Shear Perpendicular To Leg (kips)	Residual Shear Horizontal To Leg - Res. (kips)	Residual Shear Horizontal To Leg - Long. (kips)	Residual Shear Horizontal To Leg - Tran. (kips)	Total Long. Force (kips)	Total Tran. Force (kips)	Total Vert. Force (kips)
W+I -90 deg	RohnJP	RohnIaS	Rohn-LI2P	19.227	10.804	10.812	-1.944	-10.636	9.86	1.94	19.63
W+I -90 deg	SNB-JP	SNB-IaS	SNB-LI2P	18.500	23.896	23.914	-3.188	-23.701	22.94	3.19	19.42
W+I -90 deg	RohnJ1	RohnIa1	Rohn-LI21	249.340	2.661	2.663	1.843	1.922	3.00	6.68	249.25
W+I -90 deg	RohnJ2	RohnIa2	Rohn-LI22	-211.303	18.719	18.734	-16.593	8.697	-12.85	23.79	-210.40
W+I -90 deg	SNB-J1	SNB-Ia1	SNB-LI21	296.165	6.251	6.256	4.439	4.409	1.42	5.65	296.17
W+I -90 deg	SNB-J2	SNB-Ia2	SNB-LI22	-259.462	41.246	41.278	-36.490	19.295	-24.36	45.27	-257.64
W+I -60 deg	RohnJP	RohnIaS	Rohn-LI2P	149.165	6.298	6.302	-1.569	-6.104	0.21	1.57	149.29
W+I -60 deg	SNB-JP	SNB-IaS	SNB-LI2P	175.097	14.065	14.075	-2.682	-13.818	6.91	2.68	175.50
W+I -60 deg	RohnJ1	RohnIa1	Rohn-LI21	149.037	6.258	6.263	4.580	4.271	-1.33	0.52	149.16
W+I -60 deg	RohnJ2	RohnIa2	Rohn-LI22	-240.937	19.679	19.695	-17.015	9.918	-14.66	25.22	-239.97
W+I -60 deg	SNB-J1	SNB-Ia1	SNB-LI21	174.996	14.057	14.067	10.633	9.209	-5.76	-4.66	175.40
W+I -60 deg	SNB-J2	SNB-Ia2	SNB-LI22	-294.890	43.319	43.352	-37.541	21.682	-27.45	47.52	-292.96
W+I 0 deg	RohnJP	RohnIaS	Rohn-LI2P	303.049	0.511	0.511	0.089	-0.503	-11.46	-0.09	302.83
W+I 0 deg	SNB-JP	SNB-IaS	SNB-LI2P	361.872	1.517	1.518	0.013	-1.518	-12.71	-0.01	361.65
W+I 0 deg	RohnJ1	RohnIa1	Rohn-LI21	-122.834	15.816	15.829	12.700	9.447	-11.86	-16.88	-122.12
W+I 0 deg	RohnJ2	RohnIa2	Rohn-LI22	-122.955	15.794	15.806	-12.789	9.289	-11.70	16.97	-122.24
W+I 0 deg	SNB-J1	SNB-Ia1	SNB-LI21	-153.285	34.869	34.896	28.589	20.009	-23.00	-33.76	-151.80
W+I 0 deg	SNB-J2	SNB-Ia2	SNB-LI22	-153.382	34.862	34.889	-28.595	19.989	-22.98	33.77	-151.90
W+I 60 deg	RohnJP	RohnIaS	Rohn-LI2P	149.169	6.321	6.326	1.660	-6.104	0.21	-1.66	149.29
W+I 60 deg	SNB-JP	SNB-IaS	SNB-LI2P	175.095	14.069	14.079	2.696	-13.819	6.91	-2.70	175.50
W+I 60 deg	RohnJ1	RohnIa1	Rohn-LI21	-240.824	19.681	19.697	16.971	9.998	-14.73	-25.18	-239.86
W+I 60 deg	RohnJ2	RohnIa2	Rohn-LI22	148.921	6.237	6.242	-4.623	4.193	-1.25	-0.48	149.05
W+I 60 deg	SNB-J1	SNB-Ia1	SNB-LI21	-294.789	43.323	43.356	37.539	21.692	-27.45	-47.52	-292.86
W+I 60 deg	SNB-J2	SNB-Ia2	SNB-LI22	174.896	14.051	14.061	-10.635	9.199	-5.75	4.66	175.30
W+I 90 deg	RohnJP	RohnIaS	Rohn-LI2P	19.227	10.804	10.812	1.946	-10.636	9.86	-1.95	19.63
W+I 90 deg	SNB-JP	SNB-IaS	SNB-LI2P	18.500	23.897	23.915	3.191	-23.701	22.94	-3.19	19.42
W+I 90 deg	RohnJ1	RohnIa1	Rohn-LI21	-211.190	18.721	18.735	16.594	8.697	-12.85	-23.79	-210.29
W+I 90 deg	RohnJ2	RohnIa2	Rohn-LI22	249.228	2.660	2.662	-1.842	1.922	3.00	-6.68	249.14
W+I 90 deg	SNB-J1	SNB-Ia1	SNB-LI21	-259.361	41.250	41.281	36.494	19.296	-24.36	-45.27	-257.54
W+I 90 deg	SNB-J2	SNB-Ia2	SNB-LI22	296.063	6.249	6.253	-4.435	4.408	1.42	-5.65	296.07
DL + Ice Only	RohnJP	RohnIaS	Rohn-LI2P	19.244	10.544	10.553	0.001	-10.553	9.78	-0.00	19.65
DL + Ice Only	SNB-JP	SNB-IaS	SNB-LI2P	18.480	23.537	23.556	0.002	-23.556	22.79	-0.00	19.39
DL + Ice Only	RohnJ1	RohnIa1	Rohn-LI21	19.119	10.543	10.551	9.138	5.274	-4.89	-8.47	19.52

DL + Ice Only	RohnJ2	RohnIa2	Rohn-LI22	19.005	10.541	10.549	-9.136	5.274	-4.89	8.47	19.41
DL + Ice Only	SNB-J1	SNB-Ia1	SNB-LI21	18.374	23.534	23.552	20.398	11.773	-11.39	-19.74	19.28
DL + Ice Only	SNB-J2	SNB-Ia2	SNB-LI22	18.270	23.531	23.549	-20.395	11.773	-11.40	19.74	19.18

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	36	111	7.50	8.87	163.75	0.9000	0.9000	1.000
B	160.000	140.000	33	93	8.87	10.23	191.05	0.9000	0.9000	1.000
C	140.000	120.000	27	72	10.23	11.60	218.31	0.9000	0.9000	1.000
D	120.000	100.000	27	72	11.60	12.96	245.54	0.9000	0.9000	1.000
E	100.000	80.000	27	72	12.96	14.32	272.78	0.9000	0.9000	1.000
F	80.000	60.000	21	51	14.32	15.68	300.04	0.9000	0.9000	1.000
G	60.000	40.000	21	51	15.68	17.05	327.29	0.9000	0.9000	1.000
H	40.000	20.000	21	51	17.05	18.41	354.57	0.9000	0.9000	1.000
I	20.000	0.000	18	39	18.41	19.78	381.92	0.9000	0.9000	1.000

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

Group Summary (Compression Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Comp. %	Comp. Control Member	Comp. Force (kips)	Comp. Control Load Case	L/R Capacity (kips)	Comp. Conn. Shear Capacity (kips)	Comp. Conn. Bearing Capacity (kips)	RLX	RLY	RLZ	L/R	Length Comp. Member (ft)	Curve No.	No. Of Bolts Comp.
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	36.0	71.90	71.90	Rohn-DA72	-2.881W+I -90 de		3.005	16.200	8.156	0.500	0.500	0.500	175.53	10.034	4	1
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	91.36	91.36	Rohn-DB61	-4.658 W+I 0 deg		3.824	16.200	8.156	0.500	0.500	0.500	166.50	10.934	4	1
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	95.45	95.45	Rohn-DC21	-7.585 W+I 0 deg		5.960	16.200	8.156	0.500	0.500	0.500	150.33	12.402	4	1
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	66.28	66.28	Rohn-DD31	-5.383W+I 90 deg		6.092	16.200	10.875	0.500	0.500	0.500	170.80	13.977	4	1
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	80.69	80.69	Rohn-DE51	-9.268W+I 90 deg		8.615	16.200	12.187	0.500	0.500	0.500	157.99	15.589	4	1
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	82.16	82.16	Rohn-DG11	-10.366W+I 90 deg		9.463	16.200	12.187	0.500	0.500	0.500	163.31	18.889	4	1
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	82.40	82.40	Rohn-DI21	-12.370 W+I 0 deg		11.259	16.200	12.187	0.500	0.500	0.500	160.41	21.254	4	1
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	17.09	17.09	Rohn-LA4P	-15.428 W+I 0 deg		67.718	0.000	0.000	1.000	1.000	1.000	52.67	5.004	1	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	48.26	48.26	Rohn-H22	-2.475W+I 90 deg		3.846	0.000	0.000	0.500	0.500	0.500	155.16	8.870	4	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	10.08	10.08	SNB-DA82	-1.775W+I -90 de		13.207	16.200	13.594	0.500	0.500	0.500	111.38	7.240	1	1
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	19.28	18.53	SNB-DB81	-2.148 W+I 0 deg		8.696	16.200	10.875	0.500	0.500	0.500	127.05	8.279	4	1
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	60.06	60.06	SNB-DD62	-8.904W+I -90 de		11.119	16.200	13.594	0.500	0.500	0.500	140.03	11.412	4	1
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	65.53	65.53	SNB-DE11	-14.155W+I 90 deg		27.855	16.200	21.750	0.500	0.500	0.500	121.07	11.784	4	1
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	33.87	33.87	SNB-DF42	-10.838W+I -90 de		39.016	24.000	26.100	0.500	0.500	0.500	119.15	15.529	1	1
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	50.98	50.98	SNB-DH11	-16.313W+I 90 deg		39.490	24.000	32.625	0.500	0.500	0.500	132.03	17.142	4	1
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	92.81	92.81	SNB-DI11	-29.699W+I 90 deg		66.757	24.000	32.625	0.500	0.500	0.500	112.06	18.267	1	1
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	9.41	9.41	SNB-LA4P	-9.431 W+I 0 deg		75.146	0.000	0.000	1.000	1.000	1.000	55.09	5.004	1	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	40.13	40.13	SNB-LC3P	-59.062 W+I 0 deg		110.397	0.000	0.000	1.000	1.000	1.000	56.33	6.665	1	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	71.69	71.69	SNB-LD3P	-103.491 W+I 0 deg		108.266	0.000	0.000	1.000	1.000	1.000	43.23	6.665	1	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	79.20	79.20	SNB-LF2P	-201.366 W+I 0 deg		190.683	0.000	0.000	1.000	1.000	1.000	55.86	10.008	1	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	91.58	91.58	SNB-LH2P	-297.796 W+I 0 deg		243.879	0.000	0.000	1.000	1.000	1.000	41.70	10.008	1	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	85.55	85.55	SNB-LI2P	-362.131 W+I 0 deg		317.480	0.000	0.000	1.000	1.000	1.000	33.08	10.008	1	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.05	0.01	Connect Ia1	-3.397W+I 60 deg		17202.963	0.000	0.000	1.000	1.000	1.000	2.41	2.004	1	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	5.73	0.00	SNB-H4fP	0.000		77.281	0.000	0.000	1.000	1.000	1.000	44.46	4.066	1	0

SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	9.55	0.00	SNB-H9fP	0.000	106.339	0.000	0.000	1.000	1.000	1.000	63.14	7.472	1	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	72.51	72.51	Rohn-DB71	-6.534W+I 90 deg	6.759	16.200	16.312	0.500	0.500	0.500	173.34	11.238	4	1
WLAC-1	Wind Lacing 1	SAE	2X2X0.25	36.0	2.60	2.60	SNB-WL-D1P	-0.312W+I 60 deg	9.011	0.000	0.000	1.000	1.000	1.000	124.79	4.066	4	0
WLAC-2	Wind Lacing 2	SAE	2.5X2.5X0.3125	36.0	4.01	4.01	SNB-WL-I1P	-0.347W+I 60 deg	6.485	0.000	0.000	1.000	1.000	1.000	183.36	7.472	4	0
Rohn-D4a	Rohn Diagonal 4a	SAE	2.5X2.5X0.3125	36.0	91.11	91.11	Rohn-DD61	-8.521 W+I 0 deg	7.015	16.200	13.594	0.500	0.500	0.500	176.30	14.368	4	1
Rohn-D3a	Rohn Diagonal 3a	SAE	2.5X2.5X0.25	36.0	89.49	89.49	Rohn-DC51	-8.177W+I 90 deg	6.854	16.200	10.875	0.500	0.500	0.500	161.02	13.177	4	1
SNB-D7a	SNB Diagonal 7a	SAE	5X5X0.5	36.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
SNB-D7b	SNB Diagonal 7b	DAE	4X4X0.25	36.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
SNB-D7c	SNB Diagonal 7c	SAE	5X5X0.4375	36.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L8a	Rohn Leg 8a	EXP-1	MOD-P8STD	50.0	62.69	62.69	Rohn-LI1P	-279.467 W+I 0 deg	334.331	0.000	0.000	1.000	1.000	1.000	43.22	10.008	1	0
Rohn-L7a	Rohn Leg 7a	EXP-2	MOD-P6SCH80	50.0	76.46	76.46	Rohn-LG2P	-232.586 W+I 0 deg	228.165	0.000	0.000	1.000	1.000	1.000	55.85	10.008	1	0
Rohn-L6a	Rohn Leg 6a	EXP-3	MOD-P6STD	50.0	80.37	80.37	Rohn-LF1P	-174.400 W+I 0 deg	162.747	0.000	0.000	1.000	1.000	1.000	55.25	10.008	1	0
Rohn-L5a	Rohn Leg 5a	EXP-4	MOD-P5SCH80	50.0	63.69	63.69	Rohn-LE3P	-155.940 W+I 0 deg	183.623	0.000	0.000	1.000	1.000	1.000	44.42	6.665	1	0
Rohn-L4a	Rohn Leg 4a	EXP-5	MOD-P5STD	50.0	67.55	67.55	Rohn-LD3P	-124.587 W+I 0 deg	138.328	0.000	0.000	1.000	1.000	1.000	43.96	6.665	1	0
Rohn-L3a	Rohn Leg 3a	EXP-6	MOD-P4SCH80	50.0	42.23	37.37	Rohn-LC3P	-82.849 W+I 0 deg	166.273	0.000	0.000	1.000	1.000	1.000	55.51	6.665	1	0
Rohn-L2a	Rohn Leg 2a	EXP-7	MOD-P3.5SCH80	50.0	27.40	27.16	Rohn-LB4P	-45.514 W+I 0 deg	125.693	0.000	0.000	1.000	1.000	1.000	47.74	5.004	1	0
Rohn-D4b	Rohn Diagonal 4b	SAE	2.5X2.5X0.375	36.0	85.04	85.04	Rohn-DD21	-10.479 W+I 0 deg	9.242	16.200	16.312	0.500	0.500	0.500	167.19	13.570	4	1

Group Summary (Tension Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Tens. %	Tension Control Member	Tension Force (kips)	Tension Control Load Case	Net Section Capacity (kips)	Tens. 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	71.90	23.97	Rohn-DA8P	2.607 W+I 0 deg		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	91.36	46.97	Rohn-DB5P	5.108W+I 60 deg		12.639	16.200	8.156	9.527	10.934	1	1.000	0.6875
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	95.45	72.97	Rohn-DC42	7.935W+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	66.28	57.14	Rohn-DD42	8.285W+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	80.69	48.92	Rohn-DE3P	7.949 W+I 0 deg		30.910	16.200	12.187	15.234	15.188	1	1.000	0.6875
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	82.16	55.36	Rohn-DG42	8.995W+I 90 deg		37.004	16.200	12.187	15.234	19.470	1	1.000	0.6875
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	82.40	75.00	Rohn-DI42	12.187W+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	17.09	11.19	Rohn-LA42	12.664W+I -60 de		84.900	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	48.26	0.00	Rohn-H22	0.000		13.392	0.000	0.000	0.000	8.870	0	0.000	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	10.08	7.84	SNB-DA82	1.421W+I 90 deg		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	19.28	19.28	SNB-DB62	2.796W+I 90 deg		16.707	16.200	10.875	12.703	8.011	1	1.000	0.6875
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	60.06	50.00	SNB-DD31	9.062W+I -90 de		27.082	16.200	13.594	16.992	11.059	1	1.000	0.6875
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	65.53	44.40	SNB-DE42	14.209W+I 90 deg		50.976	24.000	26.100	32.625	12.172	1	1.000	0.8125
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	33.87	32.71	SNB-DF11	10.467W+I -90 de		72.726	24.000	26.100	32.625	15.014	1	1.000	0.8125
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	50.98	46.17	SNB-DH42	14.775W+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	92.81	91.65	SNB-DI42	29.328W+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	9.41	6.76	SNB-LA42	8.177W+I -60 de		90.720	0.000	0.000	0.000	5.004	0	0.000	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	40.13	30.14	SNB-LC32	53.912W+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	71.69	55.56	SNB-LD32	91.526W+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	79.20	57.00	SNB-LF22	175.658W+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	91.58	63.70	SNB-LH22	234.801W+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	85.55	60.12	SNB-LI12	278.780W+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	0.05	0.05	Connect IP	10.581 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	5.73	5.73	SNB-H4fP	6.770W+I 90 deg		88.668	0.000	0.000	0.000	4.066	0	0.000	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	9.55	9.55	SNB-H9aP	17.082W+I -60 de		134.136	0.000	0.000	0.000	7.472	0	0.000	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	72.51	23.81	Rohn-DB7P	5.143 W+I 0 deg		23.973	16.200	16.312	19.055	11.238	1	1.000	0.6875
WLAC-1	Wind Lacing 1	SAE	2X2X0.25	36.0	2.60	1.33	SNB-WL-D3P	0.361 W+I 0 deg		20.304	0.000	0.000	0.000	4.066	0	0.000	0
WLAC-2	Wind Lacing 2	SAE	2.5X2.5X0.3125	36.0	4.01	1.07	SNB-WL-G3P	0.449 W+I 0 deg		31.536	0.000	0.000	0.000	6.110	0	0.000	0
Rohn-D4a	Rohn Diagonal 4a	SAE	2.5X2.5X0.3125	36.0	91.11	27.42	Rohn-DD62	4.970W+I 90 deg		27.082	16.200	13.594	16.992	14.368	1	1.000	0.6875
Rohn-D3a	Rohn Diagonal 3a	SAE	2.5X2.5X0.25	36.0	89.49	36.75	Rohn-DC51	5.328W+I -90 de		22.144	16.200	10.875	13.594	13.177	1	1.000	0.6875
SNB-D7a	SNB Diagonal 7a	SAE	5X5X0.5	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
SNB-D7b	SNB Diagonal 7b	DAE	4X4X0.25	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
SNB-D7c	SNB Diagonal 7c	SAE	5X5X0.4375	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0

Rohn-L8a	Rohn Leg 8a	EXP-1	MOD-P8STD	50.0	62.69	59.06	Rohn-LI12	232.933W+I	-60 de	395.312	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L7a	Rohn Leg 7a	EXP-2	MOD-P6SCH80	50.0	76.46	68.19	Rohn-LH22	214.914W+I	-60 de	292.362	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L6a	Rohn Leg 6a	EXP-3	MOD-P6STD	50.0	80.37	59.12	Rohn-LF22	158.682W+I	-60 de	207.657	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L5a	Rohn Leg 5a	EXP-4	MOD-P5SCH80	50.0	63.69	57.34	Rohn-LE32	131.200W+I	-60 de	218.625	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L4a	Rohn Leg 4a	EXP-5	MOD-P5STD	50.0	67.55	64.72	Rohn-LD32	104.328W+I	-60 de	164.262	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L3a	Rohn Leg 3a	EXP-6	MOD-P4SCH80	50.0	42.23	42.23	Rohn-LC32	69.937W+I	-60 de	212.541	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L2a	Rohn Leg 2a	EXP-7	MOD-P3.5SCH80	50.0	27.40	27.40	Rohn-LB41	37.700W+I	60 deg	152.673	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-D4b	Rohn Diagonal 4b	SAE	2.5X2.5X0.375	36.0	85.04	27.59	Rohn-DD22	5.959W+I	90 deg	32.020	16.200	16.312	20.391	13.570	1	1.000	0.6875

*** Maximum Stress Summary for Each Load Case

Summary of Maximum Usages by Load Case:

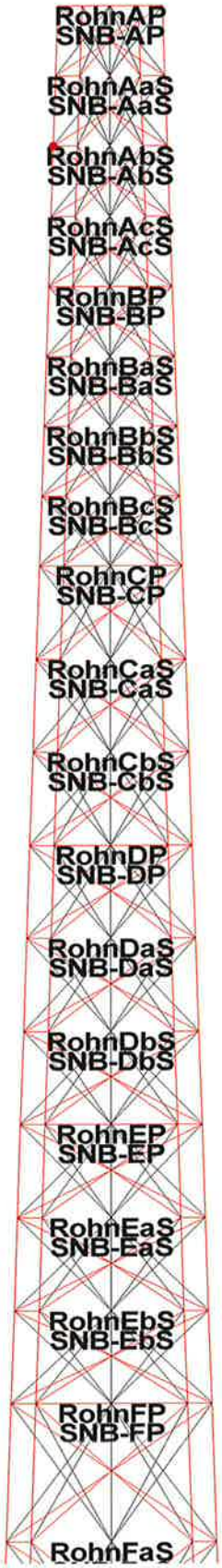
Load Case	Maximum Usage %	Element Label	Element Type
W+I -90 deg	92.80	SNB-DI22	Angle
W+I -60 deg	89.43	SNB-DI4P	Angle
W+I 0 deg	95.45	Rohn-DC21	Angle
W+I 60 deg	89.47	SNB-DI3P	Angle
W+I 90 deg	92.81	SNB-DI11	Angle
DL + Ice Only	53.66	SNB-DI2P	Angle

*** Weight of structure (lbs):
Weight of Angles*Section DLF: 66037.7
Weight of Equipment: 12155.2
Total: 78192.9

*** End of Report

PLS-TOWER NODE LOCATIONS

ıwer Version 10.62, Friday, January 30, 2015
ıdeformed geometry displayed



wer Version 10.62, Friday, January 30, 2015
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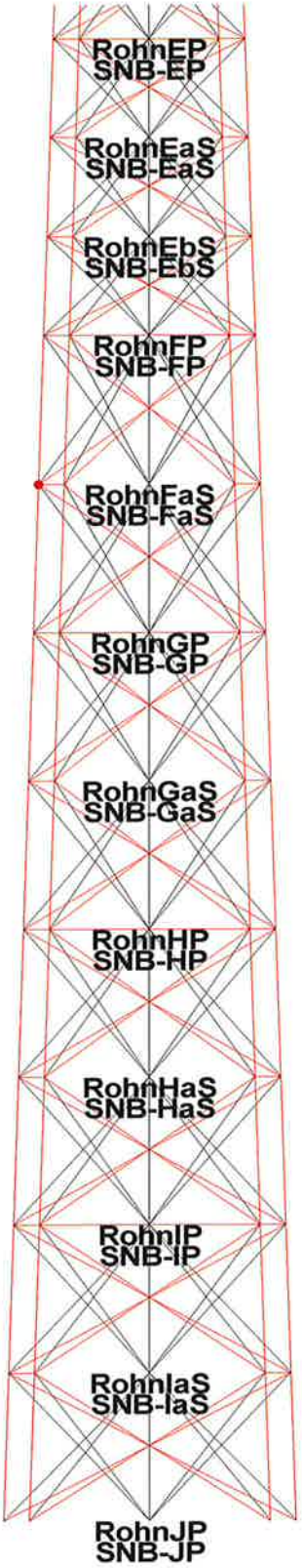

PLS-TOWER MEMBER LOCATIONS

ower Version 10.62, Friday, January 30, 2015
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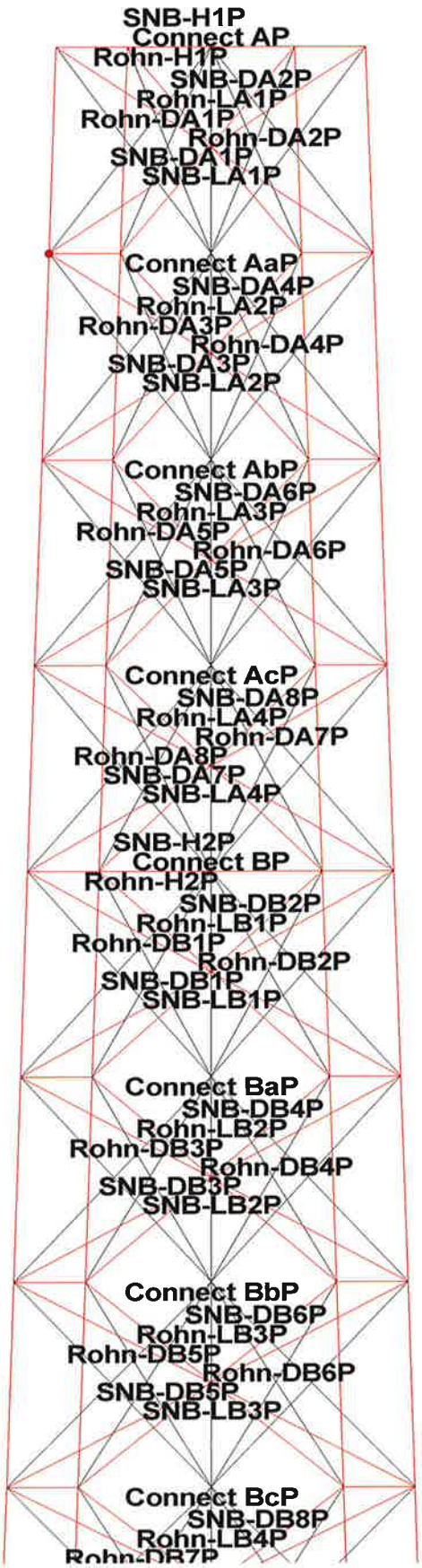

eenwich, ct
ɔwer Version 10.62, Friday, January 30, 2015
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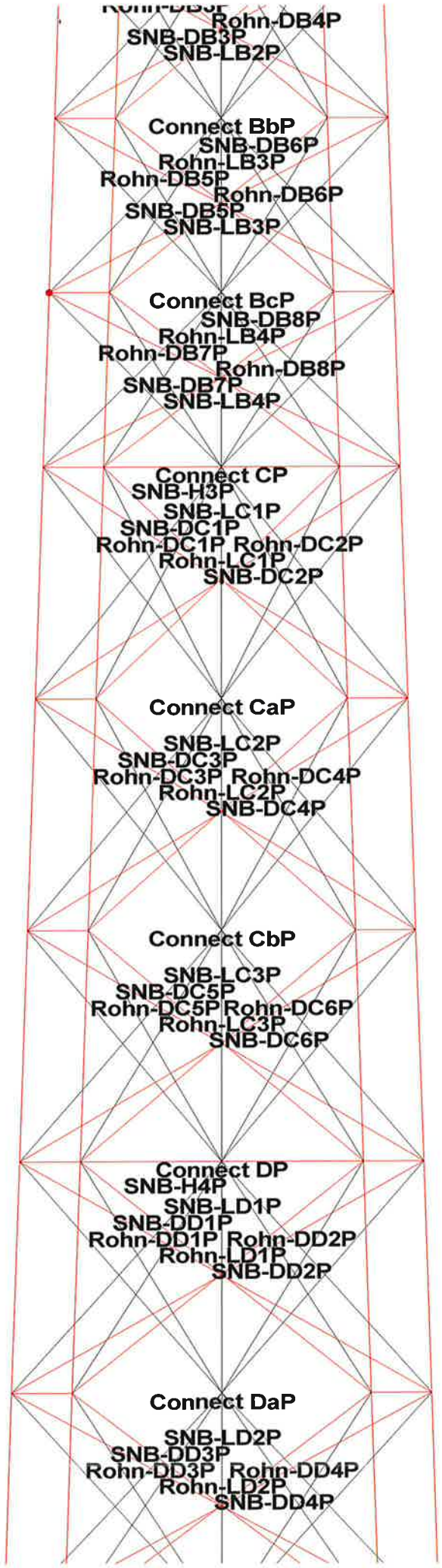

wer Version 10.62, Friday, January 30, 2015
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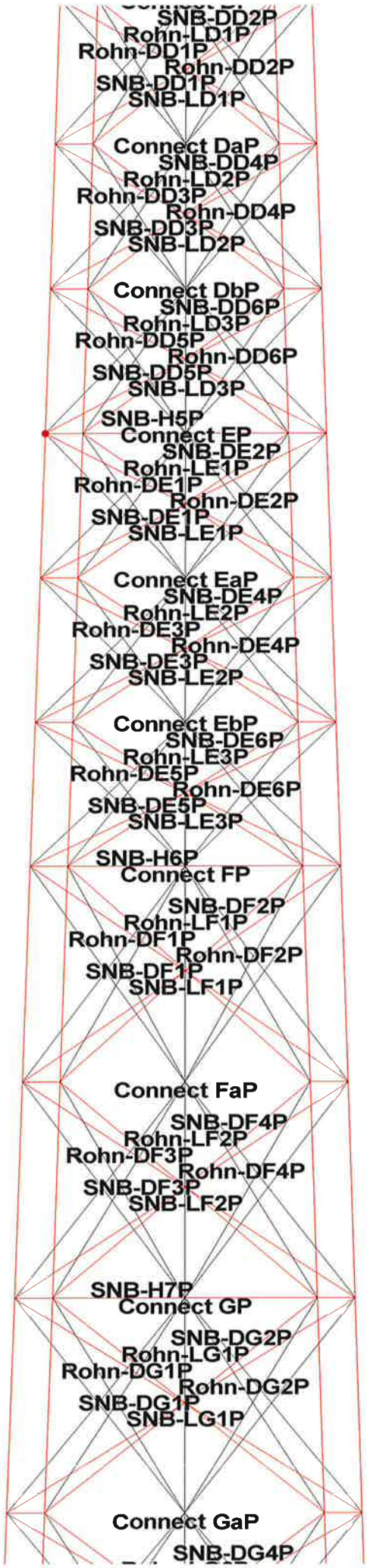

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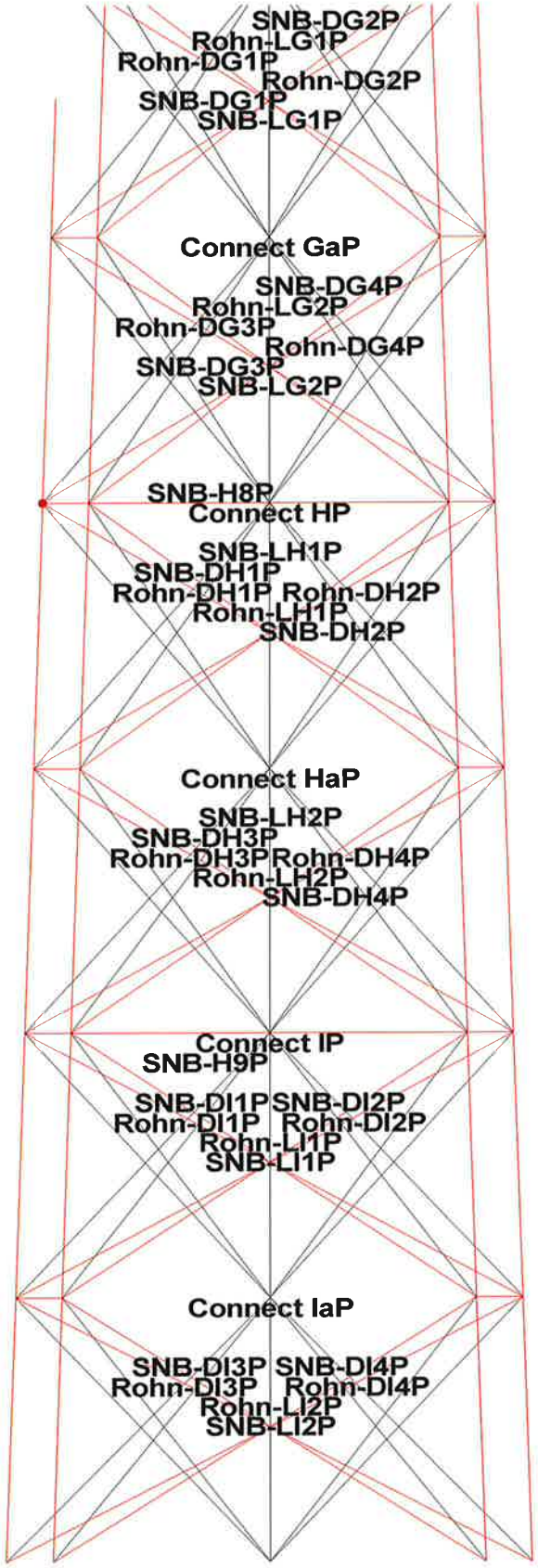

PLS-TOWER DETAILED OUTPUT

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

Project Name : VZ5-170 / Verizon Wireless
Project Notes: Butternut Hollow
Project File : C:\Users\Michael_Dalickas\Desktop\Greenwich Copy for MOD\all_passing_tower.tow
Date run   : 12:51:15 PM Friday, January 30, 2015
by   : Tower Version 10.62
Licensed to : URS Connecticut

Successfully performed nonlinear analysis

Unusual number of fixed joints found: 6. Towers normally have from between 1 and 4 fixed joints. ??
Linear appurtenance "1-5/8" @ 180`" 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" @ 180`" 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" @ 180`" 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 @ 175`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 175`" 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 @ 170`" 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" @ 170`" 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" @ 165`" 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" @ 165`" 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 @ 160`" 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" @ 160`" 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" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 160`" 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" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ ATT" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Optic Fiber Cable @ ATT" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "DC Cable @ ATT" 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" @ 145`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 140`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ VZW" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Optic Fiber Cable @ VZW" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Hybriflex Cables @ Sprint" 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" @ 113`" 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" @ 80`" 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" @ 60`" 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" @ 20`" 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 27 warnings. ??

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

Joints Geometry:

Joint Label	Symmetry Code	X Coord. (ft)	Y Coord. (ft)	Z Coord. (ft)	X Disp. Rest.	Y Disp. Rest.	Z Disp. Rest.	X Rot. Rest.	Y Rot. Rest.	Z Rot. Rest.
RohnAP	Tri-Symmetry	4.333	0	180	Free	Free	Free	Free	Free	Free
RohnBP	Tri-Symmetry	5.121	0	160	Free	Free	Free	Free	Free	Free
RohnCP	Tri-Symmetry	5.909	0	140	Free	Free	Free	Free	Free	Free
RohnDP	Tri-Symmetry	6.695	0	120	Free	Free	Free	Free	Free	Free
RohnEP	Tri-Symmetry	7.481	0	100	Free	Free	Free	Free	Free	Free
RohnFP	Tri-Symmetry	8.268	0	80	Free	Free	Free	Free	Free	Free
RohnGP	Tri-Symmetry	9.055	0	60	Free	Free	Free	Free	Free	Free
RohnHP	Tri-Symmetry	9.841	0	40	Free	Free	Free	Free	Free	Free
RohnIP	Tri-Symmetry	10.63	0	20	Free	Free	Free	Free	Free	Free
RohnJP	Tri-Symmetry	11.42	0	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed

SNB-AP	Tri-Symmetry	2.333	0	180	Free	Free	Free	Free	Free	Free
SNB-BP	Tri-Symmetry	3.121	0	160	Free	Free	Free	Free	Free	Free
SNB-CP	Tri-Symmetry	3.908	0	140	Free	Free	Free	Free	Free	Free
SNB-DP	Tri-Symmetry	4.695	0	120	Free	Free	Free	Free	Free	Free
SNB-EP	Tri-Symmetry	5.481	0	100	Free	Free	Free	Free	Free	Free
SNB-FP	Tri-Symmetry	6.268	0	80	Free	Free	Free	Free	Free	Free
SNB-GP	Tri-Symmetry	7.055	0	60	Free	Free	Free	Free	Free	Free
SNB-HP	Tri-Symmetry	7.841	0	40	Free	Free	Free	Free	Free	Free
SNB-IP	Tri-Symmetry	8.628	0	20	Free	Free	Free	Free	Free	Free
SNB-JP	Tri-Symmetry	9.415	0	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
RohnA1	Tri-Gen 1	-2.167	-3.752	180	Free	Free	Free	Free	Free	Free
RohnA2	Tri-Gen 2	-2.167	3.752	180	Free	Free	Free	Free	Free	Free
RohnB1	Tri-Gen 1	-2.561	-4.435	160	Free	Free	Free	Free	Free	Free
RohnB2	Tri-Gen 2	-2.561	4.435	160	Free	Free	Free	Free	Free	Free
RohnC1	Tri-Gen 1	-2.954	-5.117	140	Free	Free	Free	Free	Free	Free
RohnC2	Tri-Gen 2	-2.954	5.117	140	Free	Free	Free	Free	Free	Free
RohnD1	Tri-Gen 1	-3.348	-5.798	120	Free	Free	Free	Free	Free	Free
RohnD2	Tri-Gen 2	-3.348	5.798	120	Free	Free	Free	Free	Free	Free
RohnE1	Tri-Gen 1	-3.741	-6.479	100	Free	Free	Free	Free	Free	Free
RohnE2	Tri-Gen 2	-3.741	6.479	100	Free	Free	Free	Free	Free	Free
RohnF1	Tri-Gen 1	-4.134	-7.16	80	Free	Free	Free	Free	Free	Free
RohnF2	Tri-Gen 2	-4.134	7.16	80	Free	Free	Free	Free	Free	Free
RohnG1	Tri-Gen 1	-4.527	-7.842	60	Free	Free	Free	Free	Free	Free
RohnG2	Tri-Gen 2	-4.527	7.842	60	Free	Free	Free	Free	Free	Free
RohnH1	Tri-Gen 1	-4.921	-8.523	40	Free	Free	Free	Free	Free	Free
RohnH2	Tri-Gen 2	-4.921	8.523	40	Free	Free	Free	Free	Free	Free
RohnI1	Tri-Gen 1	-5.315	-9.206	20	Free	Free	Free	Free	Free	Free
RohnI2	Tri-Gen 2	-5.315	9.206	20	Free	Free	Free	Free	Free	Free
RohnJ1	Tri-Gen 1	-5.71	-9.89	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
RohnJ2	Tri-Gen 2	-5.71	9.89	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
SNB-A1	Tri-Gen 1	-1.167	-2.02	180	Free	Free	Free	Free	Free	Free
SNB-A2	Tri-Gen 2	-1.167	2.02	180	Free	Free	Free	Free	Free	Free
SNB-B1	Tri-Gen 1	-1.561	-2.703	160	Free	Free	Free	Free	Free	Free
SNB-B2	Tri-Gen 2	-1.561	2.703	160	Free	Free	Free	Free	Free	Free
SNB-C1	Tri-Gen 1	-1.954	-3.384	140	Free	Free	Free	Free	Free	Free
SNB-C2	Tri-Gen 2	-1.954	3.384	140	Free	Free	Free	Free	Free	Free
SNB-D1	Tri-Gen 1	-2.348	-4.066	120	Free	Free	Free	Free	Free	Free
SNB-D2	Tri-Gen 2	-2.348	4.066	120	Free	Free	Free	Free	Free	Free
SNB-E1	Tri-Gen 1	-2.74	-4.747	100	Free	Free	Free	Free	Free	Free
SNB-E2	Tri-Gen 2	-2.74	4.747	100	Free	Free	Free	Free	Free	Free
SNB-F1	Tri-Gen 1	-3.134	-5.428	80	Free	Free	Free	Free	Free	Free
SNB-F2	Tri-Gen 2	-3.134	5.428	80	Free	Free	Free	Free	Free	Free
SNB-G1	Tri-Gen 1	-3.528	-6.11	60	Free	Free	Free	Free	Free	Free
SNB-G2	Tri-Gen 2	-3.528	6.11	60	Free	Free	Free	Free	Free	Free
SNB-H1	Tri-Gen 1	-3.921	-6.791	40	Free	Free	Free	Free	Free	Free
SNB-H2	Tri-Gen 2	-3.921	6.791	40	Free	Free	Free	Free	Free	Free
SNB-I1	Tri-Gen 1	-4.314	-7.472	20	Free	Free	Free	Free	Free	Free
SNB-I2	Tri-Gen 2	-4.314	7.472	20	Free	Free	Free	Free	Free	Free
SNB-J1	Tri-Gen 1	-4.708	-8.154	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
SNB-J2	Tri-Gen 2	-4.708	8.154	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed

Secondary Joints:

Joint Label	Symmetry Code	Origin Joint	End Joint	Fraction	Elevation (ft)	X Disp. Rest.	Y Disp. Rest.	Z Disp. Rest.	X Rot. Rest.	Y Rot. Rest.	Z Rot. Rest.
RohnAaS	Tri-Symmetry	RohnAP	RohnBP	0.25	0	Free	Free	Free	Free	Free	Free
RohnAbS	Tri-Symmetry	RohnAP	RohnBP	0.5	0	Free	Free	Free	Free	Free	Free
RohnAcS	Tri-Symmetry	RohnAP	RohnBP	0.75	0	Free	Free	Free	Free	Free	Free
RohnBaS	Tri-Symmetry	RohnBP	RohnCP	0.25	0	Free	Free	Free	Free	Free	Free
RohnBbS	Tri-Symmetry	RohnBP	RohnCP	0.5	0	Free	Free	Free	Free	Free	Free
RohnBcS	Tri-Symmetry	RohnBP	RohnCP	0.75	0	Free	Free	Free	Free	Free	Free
RohnCaS	Tri-Symmetry	RohnCP	RohnDP	0.333	0	Free	Free	Free	Free	Free	Free
RohnCbS	Tri-Symmetry	RohnCP	RohnDP	0.667	0	Free	Free	Free	Free	Free	Free
RohnDaS	Tri-Symmetry	RohnDP	RohnEP	0.333	0	Free	Free	Free	Free	Free	Free

RohnDbS	Tri-Symmetry	RohnDP	RohnEP	0.667	0	Free	Free	Free	Free	Free	Free
RohnEaS	Tri-Symmetry	RohnEP	RohnFP	0.333	0	Free	Free	Free	Free	Free	Free
RohnEbS	Tri-Symmetry	RohnEP	RohnFP	0.667	0	Free	Free	Free	Free	Free	Free
RohnFaS	Tri-Symmetry	RohnFP	RohnGP	0.5	0	Free	Free	Free	Free	Free	Free
RohnGaS	Tri-Symmetry	RohnGP	RohnHP	0.5	0	Free	Free	Free	Free	Free	Free
RohnHaS	Tri-Symmetry	RohnHP	RohnIP	0.5	0	Free	Free	Free	Free	Free	Free
RohnIaS	Tri-Symmetry	RohnIP	RohnJP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-AaS	Tri-Symmetry	SNB-AP	SNB-BP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-AbS	Tri-Symmetry	SNB-AP	SNB-BP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-AcS	Tri-Symmetry	SNB-AP	SNB-BP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-BaS	Tri-Symmetry	SNB-BP	SNB-CP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-BbS	Tri-Symmetry	SNB-BP	SNB-CP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-BcS	Tri-Symmetry	SNB-BP	SNB-CP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-CaS	Tri-Symmetry	SNB-CP	SNB-DP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-CbS	Tri-Symmetry	SNB-CP	SNB-DP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-DaS	Tri-Symmetry	SNB-DP	SNB-EP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-DbS	Tri-Symmetry	SNB-DP	SNB-EP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-EaS	Tri-Symmetry	SNB-EP	SNB-FP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-EbS	Tri-Symmetry	SNB-EP	SNB-FP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-FaS	Tri-Symmetry	SNB-FP	SNB-GP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-GaS	Tri-Symmetry	SNB-GP	SNB-HP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-HaS	Tri-Symmetry	SNB-HP	SNB-IP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-IaS	Tri-Symmetry	SNB-IP	SNB-JP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-A1S	None	SNB-AP	SNB-A1	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-A2S	None	SNB-A1	SNB-A2	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-A3S	None	SNB-A2	SNB-AP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-B1S	None	SNB-BP	SNB-B1	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-B2S	None	SNB-B1	SNB-B2	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-B3S	None	SNB-B2	SNB-BP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-C1S	None	SNB-CP	SNB-C1	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-C2S	None	SNB-C1	SNB-C2	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-C3S	None	SNB-C2	SNB-CP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-D1S	None	SNB-DP	SNB-D1	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-D2S	None	SNB-D1	SNB-D2	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-D3S	None	SNB-D2	SNB-DP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-E1S	None	SNB-EP	SNB-E1	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-E2S	None	SNB-E1	SNB-E2	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-E3S	None	SNB-E2	SNB-EP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-F1S	None	SNB-FP	SNB-F1	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-F2S	None	SNB-F1	SNB-F2	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-F3S	None	SNB-F2	SNB-FP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-G1S	None	SNB-GP	SNB-G1	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-G2S	None	SNB-G1	SNB-G2	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-G3S	None	SNB-G2	SNB-GP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-H1S	None	SNB-HP	SNB-H1	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-H2S	None	SNB-H1	SNB-H2	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-H3S	None	SNB-H2	SNB-HP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-I1S	None	SNB-IP	SNB-I1	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-I2S	None	SNB-I1	SNB-I2	0.5	0	Free	Free	Free	Free	Free	Free
SNB-WL-I3S	None	SNB-I2	SNB-IP	0.5	0	Free	Free	Free	Free	Free	Free
RohnAa1	Tri-Gen 1	RohnAP	RohnBP	0.25	0	Free	Free	Free	Free	Free	Free
RohnAa2	Tri-Gen 2	RohnAP	RohnBP	0.25	0	Free	Free	Free	Free	Free	Free
RohnAb1	Tri-Gen 1	RohnAP	RohnBP	0.5	0	Free	Free	Free	Free	Free	Free
RohnAb2	Tri-Gen 2	RohnAP	RohnBP	0.5	0	Free	Free	Free	Free	Free	Free
RohnAc1	Tri-Gen 1	RohnAP	RohnBP	0.75	0	Free	Free	Free	Free	Free	Free
RohnAc2	Tri-Gen 2	RohnAP	RohnBP	0.75	0	Free	Free	Free	Free	Free	Free
RohnBa1	Tri-Gen 1	RohnBP	RohnCP	0.25	0	Free	Free	Free	Free	Free	Free
RohnBa2	Tri-Gen 2	RohnBP	RohnCP	0.25	0	Free	Free	Free	Free	Free	Free
RohnBb1	Tri-Gen 1	RohnBP	RohnCP	0.5	0	Free	Free	Free	Free	Free	Free
RohnBb2	Tri-Gen 2	RohnBP	RohnCP	0.5	0	Free	Free	Free	Free	Free	Free
RohnBc1	Tri-Gen 1	RohnBP	RohnCP	0.75	0	Free	Free	Free	Free	Free	Free
RohnBc2	Tri-Gen 2	RohnBP	RohnCP	0.75	0	Free	Free	Free	Free	Free	Free
RohnCa1	Tri-Gen 1	RohnCP	RohnDP	0.333	0	Free	Free	Free	Free	Free	Free
RohnCa2	Tri-Gen 2	RohnCP	RohnDP	0.333	0	Free	Free	Free	Free	Free	Free
RohnCb1	Tri-Gen 1	RohnCP	RohnDP	0.667	0	Free	Free	Free	Free	Free	Free
RohnCb2	Tri-Gen 2	RohnCP	RohnDP	0.667	0	Free	Free	Free	Free	Free	Free

RohnDa1	Tri-Gen	1	RohnDP	RohnEP	0.333	0	Free	Free	Free	Free	Free	Free
RohnDa2	Tri-Gen	2	RohnDP	RohnEP	0.333	0	Free	Free	Free	Free	Free	Free
RohnDb1	Tri-Gen	1	RohnDP	RohnEP	0.667	0	Free	Free	Free	Free	Free	Free
RohnDb2	Tri-Gen	2	RohnDP	RohnEP	0.667	0	Free	Free	Free	Free	Free	Free
RohnEa1	Tri-Gen	1	RohnEP	RohnFP	0.333	0	Free	Free	Free	Free	Free	Free
RohnEa2	Tri-Gen	2	RohnEP	RohnFP	0.333	0	Free	Free	Free	Free	Free	Free
RohnEb1	Tri-Gen	1	RohnEP	RohnFP	0.667	0	Free	Free	Free	Free	Free	Free
RohnEb2	Tri-Gen	2	RohnEP	RohnFP	0.667	0	Free	Free	Free	Free	Free	Free
RohnFa1	Tri-Gen	1	RohnFP	RohnGP	0.5	0	Free	Free	Free	Free	Free	Free
RohnFa2	Tri-Gen	2	RohnFP	RohnGP	0.5	0	Free	Free	Free	Free	Free	Free
RohnGa1	Tri-Gen	1	RohnGP	RohnHP	0.5	0	Free	Free	Free	Free	Free	Free
RohnGa2	Tri-Gen	2	RohnGP	RohnHP	0.5	0	Free	Free	Free	Free	Free	Free
RohnHa1	Tri-Gen	1	RohnHP	RohnIP	0.5	0	Free	Free	Free	Free	Free	Free
RohnHa2	Tri-Gen	2	RohnHP	RohnIP	0.5	0	Free	Free	Free	Free	Free	Free
RohnIa1	Tri-Gen	1	RohnIP	RohnJP	0.5	0	Free	Free	Free	Free	Free	Free
RohnIa2	Tri-Gen	2	RohnIP	RohnJP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Aa1	Tri-Gen	1	SNB-AP	SNB-BP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Aa2	Tri-Gen	2	SNB-AP	SNB-BP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Ab1	Tri-Gen	1	SNB-AP	SNB-BP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ab2	Tri-Gen	2	SNB-AP	SNB-BP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ac1	Tri-Gen	1	SNB-AP	SNB-BP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Ac2	Tri-Gen	2	SNB-AP	SNB-BP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Ba1	Tri-Gen	1	SNB-BP	SNB-CP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Ba2	Tri-Gen	2	SNB-BP	SNB-CP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Bb1	Tri-Gen	1	SNB-BP	SNB-CP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Bb2	Tri-Gen	2	SNB-BP	SNB-CP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Bc1	Tri-Gen	1	SNB-BP	SNB-CP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Bc2	Tri-Gen	2	SNB-BP	SNB-CP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Ca1	Tri-Gen	1	SNB-CP	SNB-DP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Ca2	Tri-Gen	2	SNB-CP	SNB-DP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Cb1	Tri-Gen	1	SNB-CP	SNB-DP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Cb2	Tri-Gen	2	SNB-CP	SNB-DP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Da1	Tri-Gen	1	SNB-DP	SNB-EP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Da2	Tri-Gen	2	SNB-DP	SNB-EP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Db1	Tri-Gen	1	SNB-DP	SNB-EP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Db2	Tri-Gen	2	SNB-DP	SNB-EP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Ea1	Tri-Gen	1	SNB-EP	SNB-FP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Ea2	Tri-Gen	2	SNB-EP	SNB-FP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Eb1	Tri-Gen	1	SNB-EP	SNB-FP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Eb2	Tri-Gen	2	SNB-EP	SNB-FP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Fa1	Tri-Gen	1	SNB-FP	SNB-GP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Fa2	Tri-Gen	2	SNB-FP	SNB-GP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ga1	Tri-Gen	1	SNB-GP	SNB-HP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ga2	Tri-Gen	2	SNB-GP	SNB-HP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ha1	Tri-Gen	1	SNB-HP	SNB-IP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ha2	Tri-Gen	2	SNB-HP	SNB-IP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ia1	Tri-Gen	1	SNB-IP	SNB-JP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ia2	Tri-Gen	2	SNB-IP	SNB-JP	0.5	0	Free	Free	Free	Free	Free	Free

The model contains 60 primary and 123 secondary joints for a total of 183 joints.

Steel Material Properties:

Steel Material Label	Modulus of Elasticity (ksi)	Yield Stress Fy (ksi)	Ultimate Stress All. Fu (ksi)	Member Stress All. Hyp. 1 (ksi)	Member Stress 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	Hole Diameter	Ultimate Shear	Default End	Default Bolt	Shear Capacity	Shear Capacity

	(in)	(in)	Capacity (kips)	Distance (in)	Spacing (in)	Hyp. 1 (kips)	Hyp. 2 (kips)
5/8 A325-N	0.625	0.6875	27	1.125	1.5	0	0
3/4 A325-N	0.75	0.8125	40	1.35	1.8	0	0

Number Bolts Used By Type:

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

Angle Properties:

Angle Type	Angle Size	Long Leg (in)	Short Leg (in)	Thick. (in)	Unit Weight (lbs/ft)	Gross Area (in^2)	w/t Ratio	Radius of Gyration Rx (in)	Radius of Gyration Ry (in)	Radius of Gyration Rz (in)	Number of Angles	Wind Width (in)	Short Edge Dist. (in)	Long Edge Dist. (in)	Optimize Cost Factor	Section Modulus (in^3)
SAE	5X5X0.625	5	5	0.625	20	5.86	6.2	1.52	1.52	0.978	1	5	2.5	0	1.0000	0
SAE	5X5X0.5	5	5	0.5	16.2	4.75	8	1.54	1.54	0.983	1	5	2.5	0	1.0000	0
SAE	5X5X0.4375	5	5	0.4375	14.3	4.18	9.29	1.55	1.55	0.986	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	2.5X2.5X0.375	2.5	2.5	0.375	5.9	1.73	4.83	0.753	0.753	0.487	1	2.5	1.25	0	1.0000	0
SAE	2.5X2.5X0.3125	2.5	2.5	0.3125	5	1.46	6	0.761	0.761	0.489	1	2.5	1.25	0	1.0000	0
SAE	2.5X2.5X0.25	2.5	2.5	0.25	4.1	1.19	7.75	0.769	0.769	0.491	1	2.5	1.25	0	1.0000	0
SAE	2.5X2.5X0.1875	2.5	2.5	0.1875	3.07	0.902	10.67	0.778	0.778	0.495	1	2.5	1.25	0	1.0000	0
SAE	2X2X0.375	2	2	0.375	4.7	1.36	3	0.594	0.594	0.389	1	2	1	0	1.0000	0
SAE	2X2X0.3125	2	2	0.3125	3.92	1.15	3.8	0.601	0.601	0.39	1	2	1	0	1.0000	0
SAE	2X2X0.25	2	2	0.25	3.19	0.94	5	0.609	0.609	0.391	1	2	1	0	1.0000	0
SAE	2X2X0.1875	2	2	0.1875	2.44	0.71	8	0.617	0.617	0.394	1	2	1	0	1.0000	0
SAE	1.75X1.75X0.1875	1.75	1.75	0.1875	2.12	0.62	6	0.537	0.537	0.343	1	1.75	0.875	0	1.0000	0
DAE	4X4X0.25	4	4	0.25	13.2	3.88	13.5	1.25	1.79	1.25	2	4	2	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
EXP-1	MOD-P8STD	8.625	7.625	0	44.84	13.18	1	2.779	2.779	2.779	1	0	0	0	0.0000	0
EXP-2	MOD-P6SCH80	6.63	5.761	0	33.16	9.745	1	2.15	2.15	2.15	1	0	0	0	0.0000	0
EXP-3	MOD-P6STD	6.63	6.065	0	23.55	6.922	1	2.174	2.174	2.174	1	0	0	0	0.0000	0
EXP-4	MOD-P5SCH80	5.563	4.813	0	24.8	7.287	1	1.801	1.801	1.801	1	0	0	0	0.0000	0
EXP-5	MOD-P5STD	5.563	5.047	0	18.63	5.475	1	1.819	1.819	1.819	1	0	0	0	0.0000	0
EXP-6	MOD-P4SCH80	4.5	3.826	0	24.11	7.085	1	1.441	1.441	1.441	1	0	0	0	0.0000	0
EXP-7	MOD-P3.5SCH80	4	3.364	0	17.32	5.089	1	1.258	1.258	1.258	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	Beam	Leg	None	0.000
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	A572-50	Beam	Leg	None	0.000
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	A572-50	Beam	Leg	None	0.000
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	A572-50	Beam	Leg	None	0.000
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	A572-50	Beam	Leg	None	0.000
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	A572-50	Beam	Leg	None	0.000
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	A572-50	Beam	Leg	None	0.000
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	A572-50	Beam	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	Beam	Leg	None	0.000
SNB-L2	SNB Leg 2	Pipe	P4-494	A 36	Beam	Leg	None	0.000
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	A 36	Beam	Leg	None	0.000
SNB-L4	SNB Leg 4	Pipe	P6-562	A 36	Beam	Leg	None	0.000
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	A 36	Beam	Leg	None	0.000
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	A 36	Beam	Leg	None	0.000
Connect	Connect Towers	BIG	0.1X0.1X1	A 36		Other	None	0.000
SNB-H1	SNB Horizontal 1	Pipe	P3-425	A 36		Other	None	0.000
SNB-H2	SNB Horizontal 2	Pipe	P4-494	A 36		Other	None	0.000
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	A 36	Truss	Other	None	0.000
WLAC-1	Wind Lacing 1	SAE	2X2X0.25	A 36	Truss	Redundant	None	0.000
WLAC-2	Wind Lacing 2	SAE	2.5X2.5X0.3125	A 36	Truss	Redundant	None	0.000
Rohn-D4a	Rohn Diagonal 4a	SAE	2.5X2.5X0.3125	A 36	Truss	Other	None	0.000
Rohn-D3a	Rohn Diagonal 3a	SAE	2.5X2.5X0.25	A 36	Truss	Other	None	0.000
SNB-D7a	SNB Diagonal 7a	SAE	5X5X0.5	A 36	Truss	Other	None	0.000
SNB-D7b	SNB Diagonal 7b	DAE	4X4X0.25	A 36	Truss	Other	None	0.000
SNB-D7c	SNB Diagonal 7c	SAE	5X5X0.4375	A 36	Truss	Other	None	0.000
Rohn-L8a	Rohn Leg 8a	EXP-1	MOD-P8STD	A572-50	Beam	Leg	None	0.000
Rohn-L7a	Rohn Leg 7a	EXP-2	MOD-P6SCH80	A572-50	Beam	Leg	None	0.000
Rohn-L6a	Rohn Leg 6a	EXP-3	MOD-P6STD	A572-50	Beam	Leg	None	0.000
Rohn-L5a	Rohn Leg 5a	EXP-4	MOD-P5SCH80	A572-50	Beam	Leg	None	0.000
Rohn-L4a	Rohn Leg 4a	EXP-5	MOD-P5STD	A572-50	Beam	Leg	None	0.000
Rohn-L3a	Rohn Leg 3a	EXP-6	MOD-P4SCH80	A572-50	Beam	Leg	None	0.000
Rohn-L2a	Rohn Leg 2a	EXP-7	MOD-P3.5SCH80	A572-50	Beam	Leg	None	0.000
Rohn-D4b	Rohn Diagonal 4b	SAE	2.5X2.5X0.375	A 36	Truss	Other	None	0.000

Aggregate Angle Information:

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

Angle Type	Angle Size	Material Type	Total Length (ft)	Total Surface Area (ft^2)	Total Weight (lbs)
SAE	1.75X1.75X0.1875	A 36	279.43	163.00	592.39
SAE	2X2X0.1875	A 36	191.38	127.59	466.96

SAE	2X2X0.375	A 36	67.43	44.95	316.92
SAE	2.5X2.5X0.1875	A 36	151.20	126.00	464.18
SAE	2.5X2.5X0.25	A 36	162.93	135.77	667.99
SAE	2.5X2.5X0.375	A 36	81.42	67.85	480.38
SAE	2.5X2.5X0.3125	A 36	556.84	464.03	2784.19
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
EXP-7	MOD-P3.5SCH80	A572-50	60.05	73.70	1039.83
EXP-6	MOD-P4SCH80	A572-50	60.05	83.32	1447.58
EXP-5	MOD-P5STD	A572-50	60.05	106.18	1118.76
EXP-4	MOD-P5SCH80	A572-50	60.05	103.84	1489.01
EXP-3	MOD-P6STD	A572-50	60.05	127.05	1414.32
EXP-2	MOD-P6SCH80	A572-50	120.09	248.01	3982.45
EXP-1	MOD-P8STD	A572-50	60.05	162.63	2692.42
SAE	2X2X0.3125	A 36	165.23	110.15	647.69
SAE	2X2X0.25	A 36	225.69	150.46	719.94
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	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA11	Rohn-D1		Tri-Gen 1	RohnA1	RohnAa2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA12	Rohn-D1		Tri-Gen 2	RohnA2	RohnAaS	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA2P	Rohn-D1		Tri-Symmetry	RohnAP	RohnAa2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA21	Rohn-D1		Tri-Gen 1	RohnA1	RohnAaS	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA22	Rohn-D1		Tri-Gen 2	RohnA2	RohnAa1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA3P	Rohn-D1		Tri-Symmetry	RohnAaS	RohnAb1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA31	Rohn-D1		Tri-Gen 1	RohnAa1	RohnAb2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0

Rohn-DA32	Rohn-D1	Tri-Gen 2	RohnAa2	RohnAbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA4P	Rohn-D1	Tri-Symmetry	RohnAaS	RohnAb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA41	Rohn-D1	Tri-Gen 1	RohnAa1	RohnAbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA42	Rohn-D1	Tri-Gen 2	RohnAa2	RohnAb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA5P	Rohn-D1	Tri-Symmetry	RohnAbS	RohnAc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA51	Rohn-D1	Tri-Gen 1	RohnAb1	RohnAc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA52	Rohn-D1	Tri-Gen 2	RohnAb2	RohnAcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA6P	Rohn-D1	Tri-Symmetry	RohnAbS	RohnAc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA61	Rohn-D1	Tri-Gen 1	RohnAb1	RohnAcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA62	Rohn-D1	Tri-Gen 2	RohnAb2	RohnAc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA7P	Rohn-D1	Tri-Symmetry	RohnAcS	RohnB2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA71	Rohn-D1	Tri-Gen 1	RohnAc1	RohnBP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA72	Rohn-D1	Tri-Gen 2	RohnAc2	RohnB1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA8P	Rohn-D1	Tri-Symmetry	RohnAcS	RohnB1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA81	Rohn-D1	Tri-Gen 1	RohnAc1	RohnB2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA82	Rohn-D1	Tri-Gen 2	RohnAc2	RohnBP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB1P	Rohn-D2	Tri-Symmetry	RohnBP	RohnBa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB11	Rohn-D2	Tri-Gen 1	RohnB1	RohnBa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB12	Rohn-D2	Tri-Gen 2	RohnB2	RohnBaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB2P	Rohn-D2	Tri-Symmetry	RohnBP	RohnBa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB21	Rohn-D2	Tri-Gen 1	RohnB1	RohnBaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB22	Rohn-D2	Tri-Gen 2	RohnB2	RohnBa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB3P	Rohn-D2	Tri-Symmetry	RohnBaS	RohnBb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB31	Rohn-D2	Tri-Gen 1	RohnBa1	RohnBb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB32	Rohn-D2	Tri-Gen 2	RohnBa2	RohnBbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB4P	Rohn-D2	Tri-Symmetry	RohnBaS	RohnBb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB41	Rohn-D2	Tri-Gen 1	RohnBa1	RohnBbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB42	Rohn-D2	Tri-Gen 2	RohnBa2	RohnBb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB5P	Rohn-D2	Tri-Symmetry	RohnBbS	RohnBc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB51	Rohn-D2	Tri-Gen 1	RohnBb1	RohnBc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB52	Rohn-D2	Tri-Gen 2	RohnBb2	RohnBcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB6P	Rohn-D2	Tri-Symmetry	RohnBbS	RohnBc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB61	Rohn-D2	Tri-Gen 1	RohnBb1	RohnBcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB62	Rohn-D2	Tri-Gen 2	RohnBb2	RohnBc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB7P	Rohn-D8	Tri-Symmetry	RohnBcS	RohnC1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB71	Rohn-D8	Tri-Gen 1	RohnBc1	RohnC2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB72	Rohn-D8	Tri-Gen 2	RohnBc2	RohnCP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB8P	Rohn-D8	Tri-Symmetry	RohnBcS	RohnC2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB81	Rohn-D8	Tri-Gen 1	RohnBc1	RohnCP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB82	Rohn-D8	Tri-Gen 2	RohnBc2	RohnC1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC1P	Rohn-D3	Tri-Symmetry	RohnCP	RohnCa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC11	Rohn-D3	Tri-Gen 1	RohnC1	RohnCa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC12	Rohn-D3	Tri-Gen 2	RohnC2	RohnCaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC2P	Rohn-D3	Tri-Symmetry	RohnCP	RohnCa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC21	Rohn-D3	Tri-Gen 1	RohnC1	RohnCaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC22	Rohn-D3	Tri-Gen 2	RohnC2	RohnCa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC3P	Rohn-D3	Tri-Symmetry	RohnCaS	RohnCb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC31	Rohn-D3	Tri-Gen 1	RohnCa1	RohnCb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC32	Rohn-D3	Tri-Gen 2	RohnCa2	RohnCbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC4P	Rohn-D3	Tri-Symmetry	RohnCaS	RohnCb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC41	Rohn-D3	Tri-Gen 1	RohnCa1	RohnCbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC42	Rohn-D3	Tri-Gen 2	RohnCa2	RohnCb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC5P	Rohn-D3a	Tri-Symmetry	RohnCbS	RohnD1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC51	Rohn-D3a	Tri-Gen 1	RohnCb1	RohnD2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC52	Rohn-D3a	Tri-Gen 2	RohnCb2	RohnDP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC6P	Rohn-D3a	Tri-Symmetry	RohnCbS	RohnD2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC61	Rohn-D3a	Tri-Gen 1	RohnCb1	RohnDP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC62	Rohn-D3a	Tri-Gen 2	RohnCb2	RohnD1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD1P	Rohn-D4b	Tri-Symmetry	RohnDP	RohnDa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD11	Rohn-D4b	Tri-Gen 1	RohnD1	RohnDa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD12	Rohn-D4b	Tri-Gen 2	RohnD2	RohnDaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD2P	Rohn-D4b	Tri-Symmetry	RohnDP	RohnDa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD21	Rohn-D4b	Tri-Gen 1	RohnD1	RohnDaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD22	Rohn-D4b	Tri-Gen 2	RohnD2	RohnDa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD3P	Rohn-D4	Tri-Symmetry	RohnDaS	RohnDb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD31	Rohn-D4	Tri-Gen 1	RohnDa1	RohnDb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0

Rohn-DD32	Rohn-D4	Tri-Gen 2	RohnDa2	RohnDbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD4P	Rohn-D4	Tri-Symmetry	RohnDaS	RohnDb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD41	Rohn-D4	Tri-Gen 1	RohnDa1	RohnDbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD42	Rohn-D4	Tri-Gen 2	RohnDa2	RohnDb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD5P	Rohn-D4a	Tri-Symmetry	RohnDbS	RohnE1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD51	Rohn-D4a	Tri-Gen 1	RohnDb1	RohnE2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD52	Rohn-D4a	Tri-Gen 2	RohnDb2	RohnEP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD6P	Rohn-D4a	Tri-Symmetry	RohnDbS	RohnE2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD61	Rohn-D4a	Tri-Gen 1	RohnDb1	RohnEP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD62	Rohn-D4a	Tri-Gen 2	RohnDb2	RohnE1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE1P	Rohn-D5	Tri-Symmetry	RohnEP	RohnEa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE11	Rohn-D5	Tri-Gen 1	RohnE1	RohnEa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE12	Rohn-D5	Tri-Gen 2	RohnE2	RohnEaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE2P	Rohn-D5	Tri-Symmetry	RohnEP	RohnEa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE21	Rohn-D5	Tri-Gen 1	RohnE1	RohnEaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE22	Rohn-D5	Tri-Gen 2	RohnE2	RohnEa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE3P	Rohn-D5	Tri-Symmetry	RohnEaS	RohnEb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE31	Rohn-D5	Tri-Gen 1	RohnEa1	RohnEb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE32	Rohn-D5	Tri-Gen 2	RohnEa2	RohnEbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE4P	Rohn-D5	Tri-Symmetry	RohnEaS	RohnEb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE41	Rohn-D5	Tri-Gen 1	RohnEa1	RohnEbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE42	Rohn-D5	Tri-Gen 2	RohnEa2	RohnEb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE5P	Rohn-D5	Tri-Symmetry	RohnEbS	RohnF1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE51	Rohn-D5	Tri-Gen 1	RohnEb1	RohnF2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE52	Rohn-D5	Tri-Gen 2	RohnEb2	RohnFP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE6P	Rohn-D5	Tri-Symmetry	RohnEbS	RohnF2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE61	Rohn-D5	Tri-Gen 1	RohnEb1	RohnFP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE62	Rohn-D5	Tri-Gen 2	RohnEb2	RohnF1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF1P	Rohn-D6	Tri-Symmetry	RohnFP	RohnFa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF11	Rohn-D6	Tri-Gen 1	RohnF1	RohnFa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF12	Rohn-D6	Tri-Gen 2	RohnF2	RohnFaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF2P	Rohn-D6	Tri-Symmetry	RohnFP	RohnFa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF21	Rohn-D6	Tri-Gen 1	RohnF1	RohnFaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF22	Rohn-D6	Tri-Gen 2	RohnF2	RohnFa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF3P	Rohn-D6	Tri-Symmetry	RohnFaS	RohnG1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF31	Rohn-D6	Tri-Gen 1	RohnFa1	RohnG2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF32	Rohn-D6	Tri-Gen 2	RohnFa2	RohnGP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF4P	Rohn-D6	Tri-Symmetry	RohnFaS	RohnG2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF41	Rohn-D6	Tri-Gen 1	RohnFa1	RohnGP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF42	Rohn-D6	Tri-Gen 2	RohnFa2	RohnG1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG1P	Rohn-D6	Tri-Symmetry	RohnGP	RohnGa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG11	Rohn-D6	Tri-Gen 1	RohnG1	RohnGa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG12	Rohn-D6	Tri-Gen 2	RohnG2	RohnGaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG2P	Rohn-D6	Tri-Symmetry	RohnGP	RohnGa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG21	Rohn-D6	Tri-Gen 1	RohnG1	RohnGaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG22	Rohn-D6	Tri-Gen 2	RohnG2	RohnGa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG3P	Rohn-D6	Tri-Symmetry	RohnGaS	RohnH1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG31	Rohn-D6	Tri-Gen 1	RohnGa1	RohnH2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG32	Rohn-D6	Tri-Gen 2	RohnGa2	RohnHP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG4P	Rohn-D6	Tri-Symmetry	RohnGaS	RohnH2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG41	Rohn-D6	Tri-Gen 1	RohnGa1	RohnHP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG42	Rohn-D6	Tri-Gen 2	RohnGa2	RohnH1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH1P	Rohn-D7	Tri-Symmetry	RohnHP	RohnHa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH11	Rohn-D7	Tri-Gen 1	RohnH1	RohnHa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH12	Rohn-D7	Tri-Gen 2	RohnH2	RohnHaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH2P	Rohn-D7	Tri-Symmetry	RohnHP	RohnHa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH21	Rohn-D7	Tri-Gen 1	RohnH1	RohnHaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH22	Rohn-D7	Tri-Gen 2	RohnH2	RohnHa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH3P	Rohn-D7	Tri-Symmetry	RohnHaS	RohnI1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH31	Rohn-D7	Tri-Gen 1	RohnHa1	RohnI2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH32	Rohn-D7	Tri-Gen 2	RohnHa2	RohnIP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH4P	Rohn-D7	Tri-Symmetry	RohnHaS	RohnI2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH41	Rohn-D7	Tri-Gen 1	RohnHa1	RohnIP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH42	Rohn-D7	Tri-Gen 2	RohnHa2	RohnI1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI1P	Rohn-D7	Tri-Symmetry	RohnIP	RohnIa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI11	Rohn-D7	Tri-Gen 1	RohnI1	RohnIa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0

Rohn-DI12	Rohn-D7	Tri-Gen 2	RohnI2	RohnIaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI2P	Rohn-D7	Tri-Symmetry	RohnIP	RohnIa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI21	Rohn-D7	Tri-Gen 1	RohnI1	RohnIaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI22	Rohn-D7	Tri-Gen 2	RohnI2	RohnIa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI3P	Rohn-D7	Tri-Symmetry	RohnIaS	RohnJ1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI31	Rohn-D7	Tri-Gen 1	RohnIa1	RohnJ2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI32	Rohn-D7	Tri-Gen 2	RohnIa2	RohnJP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI4P	Rohn-D7	Tri-Symmetry	RohnIaS	RohnJ2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI41	Rohn-D7	Tri-Gen 1	RohnIa1	RohnJP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI42	Rohn-D7	Tri-Gen 2	RohnIa2	RohnJ1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-LA1P	Rohn-L1	Tri-Symmetry	RohnAP	RohnAaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA11	Rohn-L1	Tri-Gen 1	RohnA1	RohnAa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA12	Rohn-L1	Tri-Gen 2	RohnA2	RohnAa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA2P	Rohn-L1	Tri-Symmetry	RohnAaS	RohnAbS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA21	Rohn-L1	Tri-Gen 1	RohnAa1	RohnAb1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA22	Rohn-L1	Tri-Gen 2	RohnAa2	RohnAb2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA3P	Rohn-L1	Tri-Symmetry	RohnAbS	RohnAcS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA31	Rohn-L1	Tri-Gen 1	RohnAb1	RohnAc1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA32	Rohn-L1	Tri-Gen 2	RohnAb2	RohnAc2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA4P	Rohn-L1	Tri-Symmetry	RohnAcS	RohnBP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA41	Rohn-L1	Tri-Gen 1	RohnAc1	RohnB1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LA42	Rohn-L1	Tri-Gen 2	RohnAc2	RohnB2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB1P	Rohn-L2a	Tri-Symmetry	RohnBP	RohnBaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB11	Rohn-L2a	Tri-Gen 1	RohnB1	RohnBa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB12	Rohn-L2a	Tri-Gen 2	RohnB2	RohnBa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB2P	Rohn-L2a	Tri-Symmetry	RohnBaS	RohnBbS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB21	Rohn-L2a	Tri-Gen 1	RohnBa1	RohnBb1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB22	Rohn-L2a	Tri-Gen 2	RohnBa2	RohnBb2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB3P	Rohn-L2a	Tri-Symmetry	RohnBbS	RohnBcS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB31	Rohn-L2a	Tri-Gen 1	RohnBb1	RohnBc1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB32	Rohn-L2a	Tri-Gen 2	RohnBb2	RohnBc2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB4P	Rohn-L2a	Tri-Symmetry	RohnBcS	RohnCP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB41	Rohn-L2a	Tri-Gen 1	RohnBc1	RohnC1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LB42	Rohn-L2a	Tri-Gen 2	RohnBc2	RohnC2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC1P	Rohn-L3a	Tri-Symmetry	RohnCP	RohnCaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC11	Rohn-L3a	Tri-Gen 1	RohnC1	RohnCa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC12	Rohn-L3a	Tri-Gen 2	RohnC2	RohnCa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC2P	Rohn-L3a	Tri-Symmetry	RohnCaS	RohnCbS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC21	Rohn-L3a	Tri-Gen 1	RohnCa1	RohnCb1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC22	Rohn-L3a	Tri-Gen 2	RohnCa2	RohnCb2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC3P	Rohn-L3a	Tri-Symmetry	RohnCbS	RohnDP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC31	Rohn-L3a	Tri-Gen 1	RohnCb1	RohnD1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LC32	Rohn-L3a	Tri-Gen 2	RohnCb2	RohnD2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD1P	Rohn-L4a	Tri-Symmetry	RohnDP	RohnDaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD11	Rohn-L4a	Tri-Gen 1	RohnD1	RohnDa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD12	Rohn-L4a	Tri-Gen 2	RohnD2	RohnDa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD2P	Rohn-L4a	Tri-Symmetry	RohnDaS	RohnDbS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD21	Rohn-L4a	Tri-Gen 1	RohnDa1	RohnDb1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD22	Rohn-L4a	Tri-Gen 2	RohnDa2	RohnDb2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD3P	Rohn-L4a	Tri-Symmetry	RohnDbS	RohnEP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD31	Rohn-L4a	Tri-Gen 1	RohnDb1	RohnE1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LD32	Rohn-L4a	Tri-Gen 2	RohnDb2	RohnE2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE1P	Rohn-L5a	Tri-Symmetry	RohnEP	RohnEaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE11	Rohn-L5a	Tri-Gen 1	RohnE1	RohnEa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE12	Rohn-L5a	Tri-Gen 2	RohnE2	RohnEa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE2P	Rohn-L5a	Tri-Symmetry	RohnEaS	RohnEbS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE21	Rohn-L5a	Tri-Gen 1	RohnEa1	RohnEb1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE22	Rohn-L5a	Tri-Gen 2	RohnEa2	RohnEb2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE3P	Rohn-L5a	Tri-Symmetry	RohnEbS	RohnFP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE31	Rohn-L5a	Tri-Gen 1	RohnEb1	RohnF1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LE32	Rohn-L5a	Tri-Gen 2	RohnEb2	RohnF2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LF1P	Rohn-L6a	Tri-Symmetry	RohnFP	RohnFaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LF11	Rohn-L6a	Tri-Gen 1	RohnF1	RohnFa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LF12	Rohn-L6a	Tri-Gen 2	RohnF2	RohnFa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LF2P	Rohn-L6a	Tri-Symmetry	RohnFaS	RohnGP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LF21	Rohn-L6a	Tri-Gen 1	RohnFa1	RohnG1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0

Rohn-LF22	Rohn-L6a	Tri-Gen 2	RohnFa2	RohnG2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LG1P	Rohn-L7a	Tri-Symmetry	RohnGP	RohnGaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG11	Rohn-L7a	Tri-Gen 1	RohnG1	RohnGa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG12	Rohn-L7a	Tri-Gen 2	RohnG2	RohnGa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG2P	Rohn-L7a	Tri-Symmetry	RohnGaS	RohnHP	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG21	Rohn-L7a	Tri-Gen 1	RohnGa1	RohnH1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LG22	Rohn-L7a	Tri-Gen 2	RohnGa2	RohnH2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LH1P	Rohn-L7a	Tri-Symmetry	RohnHP	RohnHaS	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LH11	Rohn-L7a	Tri-Gen 1	RohnH1	RohnHa1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LH12	Rohn-L7a	Tri-Gen 2	RohnH2	RohnHa2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LH2P	Rohn-L7a	Tri-Symmetry	RohnHaS	RohnIP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LH21	Rohn-L7a	Tri-Gen 1	RohnHa1	RohnI1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LH22	Rohn-L7a	Tri-Gen 2	RohnHa2	RohnI2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LI1P	Rohn-L8a	Tri-Symmetry	RohnIP	RohnIaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI11	Rohn-L8a	Tri-Gen 1	RohnI1	RohnIa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI12	Rohn-L8a	Tri-Gen 2	RohnI2	RohnIa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI2P	Rohn-L8a	Tri-Symmetry	RohnIaS	RohnJP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LI21	Rohn-L8a	Tri-Gen 1	RohnIa1	RohnJ1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LI22	Rohn-L8a	Tri-Gen 2	RohnIa2	RohnJ2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H1P	Rohn-H1	Tri-Symmetry	RohnAP	RohnA1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H11	Rohn-H1	Tri-Gen 1	RohnA1	RohnA2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H12	Rohn-H1	Tri-Gen 2	RohnA2	RohnAP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H2P	Rohn-H1	Tri-Symmetry	RohnBP	RohnB1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H21	Rohn-H1	Tri-Gen 1	RohnB1	RohnB2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H22	Rohn-H1	Tri-Gen 2	RohnB2	RohnBP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
SNB-DA1P	SNB-D1	Tri-Symmetry	SNB-AP	SNB-Aa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA11	SNB-D1	Tri-Gen 1	SNB-A1	SNB-Aa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA12	SNB-D1	Tri-Gen 2	SNB-A2	SNB-AaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA2P	SNB-D1	Tri-Symmetry	SNB-AP	SNB-Aa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA21	SNB-D1	Tri-Gen 1	SNB-A1	SNB-AaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA22	SNB-D1	Tri-Gen 2	SNB-A2	SNB-Aa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA3P	SNB-D1	Tri-Symmetry	SNB-AaS	SNB-Ab1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA31	SNB-D1	Tri-Gen 1	SNB-Aa1	SNB-Ab2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA32	SNB-D1	Tri-Gen 2	SNB-Aa2	SNB-AbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA4P	SNB-D1	Tri-Symmetry	SNB-AaS	SNB-Ab2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA41	SNB-D1	Tri-Gen 1	SNB-Aa1	SNB-AbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA42	SNB-D1	Tri-Gen 2	SNB-Aa2	SNB-Ab1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA5P	SNB-D1	Tri-Symmetry	SNB-AbS	SNB-Ac1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA51	SNB-D1	Tri-Gen 1	SNB-Ab1	SNB-Ac2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA52	SNB-D1	Tri-Gen 2	SNB-Ab2	SNB-AcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA6P	SNB-D1	Tri-Symmetry	SNB-AbS	SNB-Ac2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA61	SNB-D1	Tri-Gen 1	SNB-Ab1	SNB-AcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA62	SNB-D1	Tri-Gen 2	SNB-Ab2	SNB-Ac1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA7P	SNB-D1	Tri-Symmetry	SNB-AcS	SNB-B1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA71	SNB-D1	Tri-Gen 1	SNB-Ac1	SNB-B2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA72	SNB-D1	Tri-Gen 2	SNB-Ac2	SNB-BP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA8P	SNB-D1	Tri-Symmetry	SNB-AcS	SNB-B2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA81	SNB-D1	Tri-Gen 1	SNB-Ac1	SNB-BP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA82	SNB-D1	Tri-Gen 2	SNB-Ac2	SNB-B1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB1P	SNB-D2	Tri-Symmetry	SNB-BP	SNB-Ba1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB11	SNB-D2	Tri-Gen 1	SNB-B1	SNB-Ba2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB12	SNB-D2	Tri-Gen 2	SNB-B2	SNB-BaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB2P	SNB-D2	Tri-Symmetry	SNB-BP	SNB-Ba2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB21	SNB-D2	Tri-Gen 1	SNB-B1	SNB-BaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB22	SNB-D2	Tri-Gen 2	SNB-B2	SNB-Ba1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB3P	SNB-D2	Tri-Symmetry	SNB-BaS	SNB-Bb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB31	SNB-D2	Tri-Gen 1	SNB-Ba1	SNB-Bb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB32	SNB-D2	Tri-Gen 2	SNB-Ba2	SNB-BbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB4P	SNB-D2	Tri-Symmetry	SNB-BaS	SNB-Bb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB41	SNB-D2	Tri-Gen 1	SNB-Ba1	SNB-BbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB42	SNB-D2	Tri-Gen 2	SNB-Ba2	SNB-Bb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB5P	SNB-D2	Tri-Symmetry	SNB-BbS	SNB-Bc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB51	SNB-D2	Tri-Gen 1	SNB-Bb1	SNB-Bc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB52	SNB-D2	Tri-Gen 2	SNB-Bb2	SNB-BcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB6P	SNB-D2	Tri-Symmetry	SNB-BbS	SNB-Bc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB61	SNB-D2	Tri-Gen 1	SNB-Bb1	SNB-BcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0

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

SNB-DF22	SNB-D5	Tri-Gen 2	SNB-F2	SNB-Fa1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF3P	SNB-D5	Tri-Symmetry	SNB-FaS	SNB-G1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF31	SNB-D5	Tri-Gen 1	SNB-Fa1	SNB-G2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF32	SNB-D5	Tri-Gen 2	SNB-Fa2	SNB-GP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF4P	SNB-D5	Tri-Symmetry	SNB-FaS	SNB-G2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF41	SNB-D5	Tri-Gen 1	SNB-Fa1	SNB-GP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DF42	SNB-D5	Tri-Gen 2	SNB-Fa2	SNB-G1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG1P	SNB-D6	Tri-Symmetry	SNB-GP	SNB-Ga1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG11	SNB-D6	Tri-Gen 1	SNB-G1	SNB-Ga2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG12	SNB-D6	Tri-Gen 2	SNB-G2	SNB-GaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG2P	SNB-D6	Tri-Symmetry	SNB-GP	SNB-Ga2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG21	SNB-D6	Tri-Gen 1	SNB-G1	SNB-GaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG22	SNB-D6	Tri-Gen 2	SNB-G2	SNB-Ga1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG3P	SNB-D6	Tri-Symmetry	SNB-GaS	SNB-H1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG31	SNB-D6	Tri-Gen 1	SNB-Ga1	SNB-H2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG32	SNB-D6	Tri-Gen 2	SNB-Ga2	SNB-HP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG4P	SNB-D6	Tri-Symmetry	SNB-GaS	SNB-H2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG41	SNB-D6	Tri-Gen 1	SNB-Ga1	SNB-HP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG42	SNB-D6	Tri-Gen 2	SNB-Ga2	SNB-H1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH1P	SNB-D6	Tri-Symmetry	SNB-HP	SNB-Ha1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH11	SNB-D6	Tri-Gen 1	SNB-H1	SNB-Ha2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH12	SNB-D6	Tri-Gen 2	SNB-H2	SNB-HaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH2P	SNB-D6	Tri-Symmetry	SNB-HP	SNB-Ha2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH21	SNB-D6	Tri-Gen 1	SNB-H1	SNB-HaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH22	SNB-D6	Tri-Gen 2	SNB-H2	SNB-Ha1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH3P	SNB-D6	Tri-Symmetry	SNB-HaS	SNB-I1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH31	SNB-D6	Tri-Gen 1	SNB-Ha1	SNB-I2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH32	SNB-D6	Tri-Gen 2	SNB-Ha2	SNB-IP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH4P	SNB-D6	Tri-Symmetry	SNB-HaS	SNB-I2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH41	SNB-D6	Tri-Gen 1	SNB-Ha1	SNB-IP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH42	SNB-D6	Tri-Gen 2	SNB-Ha2	SNB-I1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI1P	SNB-D7	Tri-Symmetry	SNB-IP	SNB-Ia1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI11	SNB-D7	Tri-Gen 1	SNB-I1	SNB-Ia2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI12	SNB-D7	Tri-Gen 2	SNB-I2	SNB-IaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI2P	SNB-D7	Tri-Symmetry	SNB-IP	SNB-Ia2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI21	SNB-D7	Tri-Gen 1	SNB-I1	SNB-IaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI22	SNB-D7	Tri-Gen 2	SNB-I2	SNB-Ia1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI3P	SNB-D7	Tri-Symmetry	SNB-IaS	SNB-J1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI31	SNB-D7	Tri-Gen 1	SNB-Ia1	SNB-J2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI32	SNB-D7	Tri-Gen 2	SNB-Ia2	SNB-JP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI4P	SNB-D7	Tri-Symmetry	SNB-IaS	SNB-J2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI41	SNB-D7	Tri-Gen 1	SNB-Ia1	SNB-JP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI42	SNB-D7	Tri-Gen 2	SNB-Ia2	SNB-J1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-LA1P	SNB-L1	Tri-Symmetry	SNB-AP	SNB-AaS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA11	SNB-L1	Tri-Gen 1	SNB-A1	SNB-Aa1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA12	SNB-L1	Tri-Gen 2	SNB-A2	SNB-Aa2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA2P	SNB-L1	Tri-Symmetry	SNB-AaS	SNB-AbS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA21	SNB-L1	Tri-Gen 1	SNB-Aa1	SNB-Ab1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA22	SNB-L1	Tri-Gen 2	SNB-Aa2	SNB-Ab2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA3P	SNB-L1	Tri-Symmetry	SNB-AbS	SNB-AcS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA31	SNB-L1	Tri-Gen 1	SNB-Ab1	SNB-Ac1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA32	SNB-L1	Tri-Gen 2	SNB-Ab2	SNB-Ac2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA4P	SNB-L1	Tri-Symmetry	SNB-AcS	SNB-BP	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA41	SNB-L1	Tri-Gen 1	SNB-Ac1	SNB-B1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA42	SNB-L1	Tri-Gen 2	SNB-Ac2	SNB-B2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB1P	SNB-L2	Tri-Symmetry	SNB-BP	SNB-BaS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB11	SNB-L2	Tri-Gen 1	SNB-B1	SNB-Ba1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB12	SNB-L2	Tri-Gen 2	SNB-B2	SNB-Ba2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB2P	SNB-L2	Tri-Symmetry	SNB-BaS	SNB-BbS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB21	SNB-L2	Tri-Gen 1	SNB-Ba1	SNB-Bb1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB22	SNB-L2	Tri-Gen 2	SNB-Ba2	SNB-Bb2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB3P	SNB-L2	Tri-Symmetry	SNB-BbS	SNB-BcS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB31	SNB-L2	Tri-Gen 1	SNB-Bb1	SNB-Bc1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB32	SNB-L2	Tri-Gen 2	SNB-Bb2	SNB-Bc2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB4P	SNB-L2	Tri-Symmetry	SNB-BcS	SNB-CP	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB41	SNB-L2	Tri-Gen 1	SNB-Bc1	SNB-C1	1	4	1	1	1			0	0	0		0	0	0	0	0

SNB-LB42	SNB-L2	Tri-Gen 2	SNB-Bc2	SNB-C2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LC1P	SNB-L2	Tri-Symmetry	SNB-CP	SNB-CaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LC11	SNB-L2	Tri-Gen 1	SNB-C1	SNB-Ca1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LC12	SNB-L2	Tri-Gen 2	SNB-C2	SNB-Ca2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LC2P	SNB-L2	Tri-Symmetry	SNB-CaS	SNB-CbS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LC21	SNB-L2	Tri-Gen 1	SNB-Ca1	SNB-Cb1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LC22	SNB-L2	Tri-Gen 2	SNB-Ca2	SNB-Cb2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LC3P	SNB-L2	Tri-Symmetry	SNB-CbS	SNB-DP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LC31	SNB-L2	Tri-Gen 1	SNB-Cb1	SNB-D1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LC32	SNB-L2	Tri-Gen 2	SNB-Cb2	SNB-D2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LD1P	SNB-L3	Tri-Symmetry	SNB-DP	SNB-DaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LD11	SNB-L3	Tri-Gen 1	SNB-D1	SNB-Da1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LD12	SNB-L3	Tri-Gen 2	SNB-D2	SNB-Da2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LD2P	SNB-L3	Tri-Symmetry	SNB-DaS	SNB-DbS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LD21	SNB-L3	Tri-Gen 1	SNB-Da1	SNB-Db1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LD22	SNB-L3	Tri-Gen 2	SNB-Da2	SNB-Db2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LD3P	SNB-L3	Tri-Symmetry	SNB-DbS	SNB-EP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LD31	SNB-L3	Tri-Gen 1	SNB-Db1	SNB-E1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LD32	SNB-L3	Tri-Gen 2	SNB-Db2	SNB-E2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE1P	SNB-L4	Tri-Symmetry	SNB-EP	SNB-EaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE11	SNB-L4	Tri-Gen 1	SNB-E1	SNB-Ea1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE12	SNB-L4	Tri-Gen 2	SNB-E2	SNB-Ea2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE2P	SNB-L4	Tri-Symmetry	SNB-EaS	SNB-EbS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE21	SNB-L4	Tri-Gen 1	SNB-Ea1	SNB-Eb1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE22	SNB-L4	Tri-Gen 2	SNB-Ea2	SNB-Eb2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE3P	SNB-L4	Tri-Symmetry	SNB-EbS	SNB-FP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE31	SNB-L4	Tri-Gen 1	SNB-Eb1	SNB-F1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LE32	SNB-L4	Tri-Gen 2	SNB-Eb2	SNB-F2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF1P	SNB-L4	Tri-Symmetry	SNB-FP	SNB-FaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF11	SNB-L4	Tri-Gen 1	SNB-F1	SNB-Fa1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF12	SNB-L4	Tri-Gen 2	SNB-F2	SNB-Fa2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF2P	SNB-L4	Tri-Symmetry	SNB-FaS	SNB-GP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF21	SNB-L4	Tri-Gen 1	SNB-Fa1	SNB-G1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LF22	SNB-L4	Tri-Gen 2	SNB-Fa2	SNB-G2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG1P	SNB-L5	Tri-Symmetry	SNB-GP	SNB-GaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG11	SNB-L5	Tri-Gen 1	SNB-G1	SNB-Ga1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG12	SNB-L5	Tri-Gen 2	SNB-G2	SNB-Ga2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG2P	SNB-L5	Tri-Symmetry	SNB-GaS	SNB-HP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG21	SNB-L5	Tri-Gen 1	SNB-Ga1	SNB-H1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LG22	SNB-L5	Tri-Gen 2	SNB-Ga2	SNB-H2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH1P	SNB-L5	Tri-Symmetry	SNB-HP	SNB-HaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH11	SNB-L5	Tri-Gen 1	SNB-H1	SNB-Ha1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH12	SNB-L5	Tri-Gen 2	SNB-H2	SNB-Ha2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH2P	SNB-L5	Tri-Symmetry	SNB-HaS	SNB-IP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH21	SNB-L5	Tri-Gen 1	SNB-Ha1	SNB-I1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LH22	SNB-L5	Tri-Gen 2	SNB-Ha2	SNB-I2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI1P	SNB-L6	Tri-Symmetry	SNB-IP	SNB-IaS	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI11	SNB-L6	Tri-Gen 1	SNB-I1	SNB-Ia1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI12	SNB-L6	Tri-Gen 2	SNB-I2	SNB-Ia2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI2P	SNB-L6	Tri-Symmetry	SNB-IaS	SNB-JP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI21	SNB-L6	Tri-Gen 1	SNB-Ia1	SNB-J1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-LI22	SNB-L6	Tri-Gen 2	SNB-Ia2	SNB-J2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect AP	Connect	Tri-Symmetry	RohnAP	SNB-AP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect A1	Connect	Tri-Gen 1	RohnA1	SNB-A1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect A2	Connect	Tri-Gen 2	RohnA2	SNB-A2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect AaP	Connect	Tri-Symmetry	RohnAaS	SNB-AaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Aa1	Connect	Tri-Gen 1	RohnAa1	SNB-Aa1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Aa2	Connect	Tri-Gen 2	RohnAa2	SNB-Aa2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect AbP	Connect	Tri-Symmetry	RohnAbS	SNB-AbS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ab1	Connect	Tri-Gen 1	RohnAb1	SNB-Ab1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ab2	Connect	Tri-Gen 2	RohnAb2	SNB-Ab2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect AcP	Connect	Tri-Symmetry	RohnAcS	SNB-AcS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ac1	Connect	Tri-Gen 1	RohnAc1	SNB-Ac1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ac2	Connect	Tri-Gen 2	RohnAc2	SNB-Ac2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect BP	Connect	Tri-Symmetry	RohnBP	SNB-BP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect B1	Connect	Tri-Gen 1	RohnB1	SNB-B1	1	4	1	1	1	0	0	0	0	0	0	0	0

Connect B2	Connect	Tri-Gen 2	RohnB2	SNB-B2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect BaP	Connect	Tri-Symmetry	RohnBaS	SNB-BaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ba1	Connect	Tri-Gen 1	RohnBa1	SNB-Ba1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ba2	Connect	Tri-Gen 2	RohnBa2	SNB-Ba2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect BbP	Connect	Tri-Symmetry	RohnBbS	SNB-BbS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Bb1	Connect	Tri-Gen 1	RohnBb1	SNB-Bb1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Bb2	Connect	Tri-Gen 2	RohnBb2	SNB-Bb2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect BcP	Connect	Tri-Symmetry	RohnBcS	SNB-BcS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Bc1	Connect	Tri-Gen 1	RohnBc1	SNB-Bc1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Bc2	Connect	Tri-Gen 2	RohnBc2	SNB-Bc2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect CP	Connect	Tri-Symmetry	RohnCP	SNB-CP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect C1	Connect	Tri-Gen 1	RohnC1	SNB-C1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect C2	Connect	Tri-Gen 2	RohnC2	SNB-C2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect CaP	Connect	Tri-Symmetry	RohnCaS	SNB-CaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ca1	Connect	Tri-Gen 1	RohnCa1	SNB-Ca1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ca2	Connect	Tri-Gen 2	RohnCa2	SNB-Ca2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect CbP	Connect	Tri-Symmetry	RohnCbS	SNB-CbS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Cb1	Connect	Tri-Gen 1	RohnCb1	SNB-Cb1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Cb2	Connect	Tri-Gen 2	RohnCb2	SNB-Cb2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect DP	Connect	Tri-Symmetry	RohnDP	SNB-DP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect D1	Connect	Tri-Gen 1	RohnD1	SNB-D1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect D2	Connect	Tri-Gen 2	RohnD2	SNB-D2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect DaP	Connect	Tri-Symmetry	RohnDaS	SNB-DaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Da1	Connect	Tri-Gen 1	RohnDa1	SNB-Da1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Da2	Connect	Tri-Gen 2	RohnDa2	SNB-Da2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect DbP	Connect	Tri-Symmetry	RohnDbS	SNB-DbS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Db1	Connect	Tri-Gen 1	RohnDb1	SNB-Db1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Db2	Connect	Tri-Gen 2	RohnDb2	SNB-Db2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect EP	Connect	Tri-Symmetry	RohnEP	SNB-EP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect E1	Connect	Tri-Gen 1	RohnE1	SNB-E1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect E2	Connect	Tri-Gen 2	RohnE2	SNB-E2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect EaP	Connect	Tri-Symmetry	RohnEaS	SNB-EaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ea1	Connect	Tri-Gen 1	RohnEa1	SNB-Ea1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ea2	Connect	Tri-Gen 2	RohnEa2	SNB-Ea2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect EbP	Connect	Tri-Symmetry	RohnEbS	SNB-EbS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Eb1	Connect	Tri-Gen 1	RohnEb1	SNB-Eb1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Eb2	Connect	Tri-Gen 2	RohnEb2	SNB-Eb2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect FP	Connect	Tri-Symmetry	RohnFP	SNB-FP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect F1	Connect	Tri-Gen 1	RohnF1	SNB-F1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect F2	Connect	Tri-Gen 2	RohnF2	SNB-F2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect FaP	Connect	Tri-Symmetry	RohnFaS	SNB-FaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Fa1	Connect	Tri-Gen 1	RohnFa1	SNB-Fa1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Fa2	Connect	Tri-Gen 2	RohnFa2	SNB-Fa2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect GP	Connect	Tri-Symmetry	RohnGP	SNB-GP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect G1	Connect	Tri-Gen 1	RohnG1	SNB-G1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect G2	Connect	Tri-Gen 2	RohnG2	SNB-G2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect GaP	Connect	Tri-Symmetry	RohnGaS	SNB-GaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ga1	Connect	Tri-Gen 1	RohnGa1	SNB-Ga1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ga2	Connect	Tri-Gen 2	RohnGa2	SNB-Ga2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect HP	Connect	Tri-Symmetry	RohnHP	SNB-HP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect H1	Connect	Tri-Gen 1	RohnH1	SNB-H1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect H2	Connect	Tri-Gen 2	RohnH2	SNB-H2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect HaP	Connect	Tri-Symmetry	RohnHaS	SNB-HaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ha1	Connect	Tri-Gen 1	RohnHa1	SNB-Ha1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ha2	Connect	Tri-Gen 2	RohnHa2	SNB-Ha2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect IP	Connect	Tri-Symmetry	RohnIP	SNB-IP	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect I1	Connect	Tri-Gen 1	RohnI1	SNB-I1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect I2	Connect	Tri-Gen 2	RohnI2	SNB-I2	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect IaP	Connect	Tri-Symmetry	RohnIaS	SNB-IaS	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ia1	Connect	Tri-Gen 1	RohnIa1	SNB-Ia1	1	4	1	1	1	0	0	0	0	0	0	0	0
Connect Ia2	Connect	Tri-Gen 2	RohnIa2	SNB-Ia2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H1aP	SNB-H1	None	SNB-AP	SNB-WL-A1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H1bP	SNB-H1	None	SNB-WL-A1S	SNB-A1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H1cP	SNB-H1	None	SNB-A1	SNB-WL-A2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H1dP	SNB-H1	None	SNB-WL-A2S	SNB-A2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H1eP	SNB-H1	None	SNB-A2	SNB-WL-A3S	1	4	1	1	1	0	0	0	0	0	0	0	0

SNB-H1fP	SNB-H1	None	SNB-WL-A3S	SNB-AP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H2aP	SNB-H1	None	SNB-BP	SNB-WL-B1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H2bP	SNB-H1	None	SNB-WL-B1S	SNB-B1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H2cP	SNB-H1	None	SNB-B1	SNB-WL-B2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H2dP	SNB-H1	None	SNB-WL-B2S	SNB-B2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H2eP	SNB-H1	None	SNB-B2	SNB-WL-B3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H2fP	SNB-H1	None	SNB-WL-B3S	SNB-BP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H3aP	SNB-H1	None	SNB-CP	SNB-WL-C1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H3bP	SNB-H1	None	SNB-WL-C1S	SNB-C1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H3cP	SNB-H1	None	SNB-C1	SNB-WL-C2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H3dP	SNB-H1	None	SNB-WL-C2S	SNB-C2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H3eP	SNB-H1	None	SNB-C2	SNB-WL-C3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H3fP	SNB-H1	None	SNB-WL-C3S	SNB-CP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H4aP	SNB-H1	None	SNB-DP	SNB-WL-D1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H4bP	SNB-H1	None	SNB-WL-D1S	SNB-D1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H4cP	SNB-H1	None	SNB-D1	SNB-WL-D2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H4dP	SNB-H1	None	SNB-WL-D2S	SNB-D2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H4eP	SNB-H1	None	SNB-D2	SNB-WL-D3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H4fP	SNB-H1	None	SNB-WL-D3S	SNB-DP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H5aP	SNB-H2	None	SNB-EP	SNB-WL-E1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H5bP	SNB-H2	None	SNB-WL-E1S	SNB-E1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H5cP	SNB-H2	None	SNB-E1	SNB-WL-E2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H5dP	SNB-H2	None	SNB-WL-E2S	SNB-E2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H5eP	SNB-H2	None	SNB-E2	SNB-WL-E3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H5fP	SNB-H2	None	SNB-WL-E3S	SNB-EP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H6aP	SNB-H2	None	SNB-FP	SNB-WL-F1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H6bP	SNB-H2	None	SNB-WL-F1S	SNB-F1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H6cP	SNB-H2	None	SNB-F1	SNB-WL-F2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H6dP	SNB-H2	None	SNB-WL-F2S	SNB-F2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H6eP	SNB-H2	None	SNB-F2	SNB-WL-F3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H6fP	SNB-H2	None	SNB-WL-F3S	SNB-FP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H7aP	SNB-H2	None	SNB-GP	SNB-WL-G1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H7bP	SNB-H2	None	SNB-WL-G1S	SNB-G1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H7cP	SNB-H2	None	SNB-G1	SNB-WL-G2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H7dP	SNB-H2	None	SNB-WL-G2S	SNB-G2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H7eP	SNB-H2	None	SNB-G2	SNB-WL-G3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H7fP	SNB-H2	None	SNB-WL-G3S	SNB-GP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H8aP	SNB-H2	None	SNB-HP	SNB-WL-H1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H8bP	SNB-H2	None	SNB-WL-H1S	SNB-H1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H8cP	SNB-H2	None	SNB-H1	SNB-WL-H2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H8dP	SNB-H2	None	SNB-WL-H2S	SNB-H2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H8eP	SNB-H2	None	SNB-H2	SNB-WL-H3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H8fP	SNB-H2	None	SNB-WL-H3S	SNB-HP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H9aP	SNB-H2	None	SNB-IP	SNB-WL-I1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H9bP	SNB-H2	None	SNB-WL-I1S	SNB-I1	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H9cP	SNB-H2	None	SNB-I1	SNB-WL-I2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H9dP	SNB-H2	None	SNB-WL-I2S	SNB-I2	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H9eP	SNB-H2	None	SNB-I2	SNB-WL-I3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-H9fP	SNB-H2	None	SNB-WL-I3S	SNB-IP	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-A1P	WLAC-1	None	SNB-WL-A1S	SNB-WL-A2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-A2P	WLAC-1	None	SNB-WL-A2S	SNB-WL-A3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-A3P	WLAC-1	None	SNB-WL-A3S	SNB-WL-A1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-B1P	WLAC-1	None	SNB-WL-B1S	SNB-WL-B2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-B2P	WLAC-1	None	SNB-WL-B2S	SNB-WL-B3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-B3P	WLAC-1	None	SNB-WL-B3S	SNB-WL-B1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-C1P	WLAC-1	None	SNB-WL-C1S	SNB-WL-C2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-C2P	WLAC-1	None	SNB-WL-C2S	SNB-WL-C3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-C3P	WLAC-1	None	SNB-WL-C3S	SNB-WL-C1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-D1P	WLAC-1	None	SNB-WL-D1S	SNB-WL-D2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-D2P	WLAC-1	None	SNB-WL-D2S	SNB-WL-D3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-D3P	WLAC-1	None	SNB-WL-D3S	SNB-WL-D1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-E1P	WLAC-2	None	SNB-WL-E1S	SNB-WL-E2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-E2P	WLAC-2	None	SNB-WL-E2S	SNB-WL-E3S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-E3P	WLAC-2	None	SNB-WL-E3S	SNB-WL-E1S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-F1P	WLAC-2	None	SNB-WL-F1S	SNB-WL-F2S	1	4	1	1	1	0	0	0	0	0	0	0	0
SNB-WL-F2P	WLAC-2	None	SNB-WL-F2S	SNB-WL-F3S	1	4	1	1	1	0	0	0	0	0	0	0	0

SNB-WL-F3P	WLAC-2	None	SNB-WL-F3S	SNB-WL-F1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-G1P	WLAC-2	None	SNB-WL-G1S	SNB-WL-G2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-G2P	WLAC-2	None	SNB-WL-G2S	SNB-WL-G3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-G3P	WLAC-2	None	SNB-WL-G3S	SNB-WL-G1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-H1P	WLAC-2	None	SNB-WL-H1S	SNB-WL-H2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-H2P	WLAC-2	None	SNB-WL-H2S	SNB-WL-H3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-H3P	WLAC-2	None	SNB-WL-H3S	SNB-WL-H1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-I1P	WLAC-2	None	SNB-WL-I1S	SNB-WL-I2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-I2P	WLAC-2	None	SNB-WL-I2S	SNB-WL-I3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-I3P	WLAC-2	None	SNB-WL-I3S	SNB-WL-I1S	1	4	1	1	1	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	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA11	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA12	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA2P	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA21	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA22	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA3P	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA31	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA32	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA4P	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA41	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA42	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA5P	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA51	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA52	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA6P	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA61	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA62	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA7P	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA71	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA72	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA8P	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA81	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA82	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB1P	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB11	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB12	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB2P	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB21	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB22	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB3P	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB31	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB32	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB4P	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB41	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB42	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB5P	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB51	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB52	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB6P	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB61	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB62	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB7P	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000		0.000		Automatic	

Rohn-DB71	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DB72	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DB8P	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DB81	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DB82	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000	0.000	Automatic
Rohn-DC1P	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC11	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC12	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC2P	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC21	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC22	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC3P	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC31	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC32	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC4P	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC41	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC42	Rohn-D3	5.597	L/r	8.156	Bearing	155	12.80	5.597	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC5P	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC51	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC52	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC6P	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC61	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC62	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD1P	Rohn-D4b	9.242	L/r	16.200	Shear	167	13.57	9.242	16.200	16.312	32.020	20.391	0.000	0.000	0.000	0.000	Automatic
Rohn-DD11	Rohn-D4b	9.242	L/r	16.200	Shear	167	13.57	9.242	16.200	16.312	32.020	20.391	0.000	0.000	0.000	0.000	Automatic
Rohn-DD12	Rohn-D4b	9.242	L/r	16.200	Shear	167	13.57	9.242	16.200	16.312	32.020	20.391	0.000	0.000	0.000	0.000	Automatic
Rohn-DD2P	Rohn-D4b	9.242	L/r	16.200	Shear	167	13.57	9.242	16.200	16.312	32.020	20.391	0.000	0.000	0.000	0.000	Automatic
Rohn-DD21	Rohn-D4b	9.242	L/r	16.200	Shear	167	13.57	9.242	16.200	16.312	32.020	20.391	0.000	0.000	0.000	0.000	Automatic
Rohn-DD22	Rohn-D4b	9.242	L/r	16.200	Shear	167	13.57	9.242	16.200	16.312	32.020	20.391	0.000	0.000	0.000	0.000	Automatic
Rohn-DD3P	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD31	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD32	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD4P	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD41	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD42	Rohn-D4	6.092	L/r	10.875	Bearing	171	13.98	6.092	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD5P	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD51	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD52	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD6P	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD61	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD62	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DE1P	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE11	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE12	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE2P	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE21	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE22	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE3P	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE31	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE32	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE4P	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE41	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE42	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE5P	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE51	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE52	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE6P	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE61	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE62	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF1P	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF11	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF12	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF2P	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF21	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF22	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF3P	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic

Rohn-DF31	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF32	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF4P	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF41	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF42	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG1P	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG11	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG12	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG2P	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG21	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG22	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG3P	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG31	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG32	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG4P	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG41	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG42	Rohn-D6	8.907	L/r	12.187	Bearing	168	19.47	8.907	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH1P	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH11	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH12	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH2P	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH21	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH22	Rohn-D7	12.187	Bearing	12.187	Bearing	151	20.06	12.641	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH3P	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH31	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH32	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH4P	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH41	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DH42	Rohn-D7	11.923	L/r	12.187	Bearing	156	20.65	11.923	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI1P	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI11	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI12	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI2P	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI21	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI22	Rohn-D7	11.259	L/r	12.187	Bearing	160	21.25	11.259	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI3P	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI31	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI32	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI4P	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI41	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DI42	Rohn-D7	10.643	L/r	12.187	Bearing	165	21.86	10.643	16.200	12.187	43.098	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-LA1P	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA11	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA12	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA2P	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA21	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA22	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA3P	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA31	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA32	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA4P	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA41	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LA42	Rohn-L1	67.718	L/r	84.900	Net Sect	53	5.00	67.718	0.000	0.000	84.900	0.000	0.000	0.000	0.000	84.900	Automatic
Rohn-LB1P	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB11	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB12	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB2P	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB21	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB22	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB3P	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB31	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB32	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB4P	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB41	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LB42	Rohn-L2a	125.693	L/r	152.673	Net Sect	48	5.00	125.693	0.000	0.000	152.673	0.000	0.000	0.000	0.000	103.200	Automatic
Rohn-LC1P	Rohn-L3a	166.273	L/r	212.541	Net Sect	56	6.67	166.273	0.000	0.000	212.541	0.000	0.000	0.000	0.000	124.200	Automatic

Rohn-LC11	Rohn-L3a	166.273	L/r	212.541	Net Sect	56	6.67	166.273	0.000	0.000	212.541	0.000	0.000	0.000	0.000	124.200	Automatic
Rohn-LC12	Rohn-L3a	166.273	L/r	212.541	Net Sect	56	6.67	166.273	0.000	0.000	212.541	0.000	0.000	0.000	0.000	124.200	Automatic
Rohn-LC2P	Rohn-L3a	166.079	L/r	212.541	Net Sect	56	6.69	166.079	0.000	0.000	212.541	0.000	0.000	0.000	0.000	124.200	Automatic
Rohn-LC21	Rohn-L3a	166.079	L/r	212.541	Net Sect	56	6.69	166.079	0.000	0.000	212.541	0.000	0.000	0.000	0.000	124.200	Automatic
Rohn-LC22	Rohn-L3a	166.079	L/r	212.541	Net Sect	56	6.69	166.079	0.000	0.000	212.541	0.000	0.000	0.000	0.000	124.200	Automatic
Rohn-LC3P	Rohn-L3a	166.273	L/r	212.541	Net Sect	56	6.67	166.273	0.000	0.000	212.541	0.000	0.000	0.000	0.000	124.200	Automatic
Rohn-LC31	Rohn-L3a	166.273	L/r	212.541	Net Sect	56	6.67	166.273	0.000	0.000	212.541	0.000	0.000	0.000	0.000	124.200	Automatic
Rohn-LC32	Rohn-L3a	166.273	L/r	212.541	Net Sect	56	6.67	166.273	0.000	0.000	212.541	0.000	0.000	0.000	0.000	124.200	Automatic
Rohn-LD1P	Rohn-L4a	138.328	L/r	164.262	Net Sect	44	6.67	138.328	0.000	0.000	164.262	0.000	0.000	0.000	0.000	120.900	Automatic
Rohn-LD11	Rohn-L4a	138.328	L/r	164.262	Net Sect	44	6.67	138.328	0.000	0.000	164.262	0.000	0.000	0.000	0.000	120.900	Automatic
Rohn-LD12	Rohn-L4a	138.328	L/r	164.262	Net Sect	44	6.67	138.328	0.000	0.000	164.262	0.000	0.000	0.000	0.000	120.900	Automatic
Rohn-LD2P	Rohn-L4a	138.222	L/r	164.262	Net Sect	44	6.69	138.222	0.000	0.000	164.262	0.000	0.000	0.000	0.000	120.900	Automatic
Rohn-LD21	Rohn-L4a	138.222	L/r	164.262	Net Sect	44	6.69	138.222	0.000	0.000	164.262	0.000	0.000	0.000	0.000	120.900	Automatic
Rohn-LD22	Rohn-L4a	138.222	L/r	164.262	Net Sect	44	6.69	138.222	0.000	0.000	164.262	0.000	0.000	0.000	0.000	120.900	Automatic
Rohn-LD3P	Rohn-L4a	138.328	L/r	164.262	Net Sect	44	6.67	138.328	0.000	0.000	164.262	0.000	0.000	0.000	0.000	120.900	Automatic
Rohn-LD31	Rohn-L4a	138.328	L/r	164.262	Net Sect	44	6.67	138.328	0.000	0.000	164.262	0.000	0.000	0.000	0.000	120.900	Automatic
Rohn-LD32	Rohn-L4a	138.328	L/r	164.262	Net Sect	44	6.67	138.328	0.000	0.000	164.262	0.000	0.000	0.000	0.000	120.900	Automatic
Rohn-LE1P	Rohn-L5a	183.623	L/r	218.625	Net Sect	44	6.67	183.623	0.000	0.000	218.625	0.000	0.000	0.000	0.000	171.600	Automatic
Rohn-LE11	Rohn-L5a	183.623	L/r	218.625	Net Sect	44	6.67	183.623	0.000	0.000	218.625	0.000	0.000	0.000	0.000	171.600	Automatic
Rohn-LE12	Rohn-L5a	183.623	L/r	218.625	Net Sect	44	6.67	183.623	0.000	0.000	218.625	0.000	0.000	0.000	0.000	171.600	Automatic
Rohn-LE2P	Rohn-L5a	183.479	L/r	218.625	Net Sect	45	6.69	183.479	0.000	0.000	218.625	0.000	0.000	0.000	0.000	171.600	Automatic
Rohn-LE21	Rohn-L5a	183.479	L/r	218.625	Net Sect	45	6.69	183.479	0.000	0.000	218.625	0.000	0.000	0.000	0.000	171.600	Automatic
Rohn-LE22	Rohn-L5a	183.479	L/r	218.625	Net Sect	45	6.69	183.479	0.000	0.000	218.625	0.000	0.000	0.000	0.000	171.600	Automatic
Rohn-LE3P	Rohn-L5a	183.623	L/r	218.625	Net Sect	44	6.67	183.623	0.000	0.000	218.625	0.000	0.000	0.000	0.000	171.600	Automatic
Rohn-LE31	Rohn-L5a	183.623	L/r	218.625	Net Sect	44	6.67	183.623	0.000	0.000	218.625	0.000	0.000	0.000	0.000	171.600	Automatic
Rohn-LE32	Rohn-L5a	183.623	L/r	218.625	Net Sect	44	6.67	183.623	0.000	0.000	218.625	0.000	0.000	0.000	0.000	171.600	Automatic
Rohn-LF1P	Rohn-L6a	162.747	L/r	207.657	Net Sect	55	10.01	162.747	0.000	0.000	207.657	0.000	0.000	0.000	0.000	201.300	Automatic
Rohn-LF11	Rohn-L6a	162.747	L/r	207.657	Net Sect	55	10.01	162.747	0.000	0.000	207.657	0.000	0.000	0.000	0.000	201.300	Automatic
Rohn-LF12	Rohn-L6a	162.747	L/r	207.657	Net Sect	55	10.01	162.747	0.000	0.000	207.657	0.000	0.000	0.000	0.000	201.300	Automatic
Rohn-LF2P	Rohn-L6a	189.947	L/r	207.657	Net Sect	28	10.01	189.947	0.000	0.000	207.657	0.000	0.000	0.000	0.000	201.300	Automatic
Rohn-LF21	Rohn-L6a	189.947	L/r	207.657	Net Sect	28	10.01	189.947	0.000	0.000	207.657	0.000	0.000	0.000	0.000	201.300	Automatic
Rohn-LF22	Rohn-L6a	189.947	L/r	207.657	Net Sect	28	10.01	189.947	0.000	0.000	207.657	0.000	0.000	0.000	0.000	201.300	Automatic
Rohn-LG1P	Rohn-L7a	228.165	L/r	292.362	Net Sect	56	10.01	228.165	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LG11	Rohn-L7a	228.165	L/r	292.362	Net Sect	56	10.01	228.165	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LG12	Rohn-L7a	228.165	L/r	292.362	Net Sect	56	10.01	228.165	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LG2P	Rohn-L7a	228.165	L/r	292.362	Net Sect	56	10.01	228.165	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LG21	Rohn-L7a	228.165	L/r	292.362	Net Sect	56	10.01	228.165	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LG22	Rohn-L7a	228.165	L/r	292.362	Net Sect	56	10.01	228.165	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LH1P	Rohn-L7a	267.075	L/r	292.362	Net Sect	28	10.01	267.075	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LH11	Rohn-L7a	267.075	L/r	292.362	Net Sect	28	10.01	267.075	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LH12	Rohn-L7a	267.075	L/r	292.362	Net Sect	28	10.01	267.075	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LH2P	Rohn-L7a	267.075	L/r	292.362	Net Sect	28	10.01	267.075	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LH21	Rohn-L7a	267.075	L/r	292.362	Net Sect	28	10.01	267.075	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LH22	Rohn-L7a	267.075	L/r	292.362	Net Sect	28	10.01	267.075	0.000	0.000	292.362	0.000	0.000	0.000	0.000	236.400	Automatic
Rohn-LI1P	Rohn-L8a	334.331	L/r	395.312	Net Sect	43	10.01	334.331	0.000	0.000	395.312	0.000	0.000	0.000	0.000	295.800	Automatic
Rohn-LI11	Rohn-L8a	334.331	L/r	395.312	Net Sect	43	10.01	334.331	0.000	0.000	395.312	0.000	0.000	0.000	0.000	295.800	Automatic
Rohn-LI12	Rohn-L8a	334.331	L/r	395.312	Net Sect	43	10.01	334.331	0.000	0.000	395.312	0.000	0.000	0.000	0.000	295.800	Automatic
Rohn-LI2P	Rohn-L8a	370.637	L/r	395.312	Net Sect	22	10.01	370.637	0.000	0.000	395.312	0.000	0.000	0.000	0.000	295.800	Automatic
Rohn-LI21	Rohn-L8a	370.637	L/r	395.312	Net Sect	22	10.01	370.637	0.000	0.000	395.312	0.000	0.000	0.000	0.000	295.800	Automatic
Rohn-LI22	Rohn-L8a	370.637	L/r	395.312	Net Sect	22	10.01	370.637	0.000	0.000	395.312	0.000	0.000	0.000	0.000	295.800	Automatic
Rohn-H1P	Rohn-H1	5.372	L/r	13.392	Net Sect	131	7.50	5.372	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H11	Rohn-H1	5.372	L/r	13.392	Net Sect	131	7.50	5.372	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H12	Rohn-H1	5.372	L/r	13.392	Net Sect	131	7.50	5.372	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H2P	Rohn-H1	3.846	L/r	13.392	Net Sect	155	8.87	3.846	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H21	Rohn-H1	3.846	L/r	13.392	Net Sect	155	8.87	3.846	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H22	Rohn-H1	3.846	L/r	13.392	Net Sect	155	8.87	3.846	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA1P	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA11	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA12	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA2P	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA21	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA22	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA3P	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA31	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA32	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA4P	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic

SNB-DA41	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA42	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA5P	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA51	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA52	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA6P	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA61	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA62	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA7P	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA71	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA72	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA8P	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA81	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA82	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DB1P	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB11	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB12	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB2P	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB21	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB22	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB3P	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB31	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB32	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB4P	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB41	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB42	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB5P	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB51	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB52	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB6P	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB61	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB62	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB7P	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB71	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB72	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB8P	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB81	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB82	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DC1P	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC11	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC12	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC2P	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC21	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC22	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC3P	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC31	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC32	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC4P	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC41	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC42	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC5P	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC51	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC52	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC6P	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC61	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC62	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD1P	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD11	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD12	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD2P	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD21	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD22	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD3P	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD31	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD32	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD4P	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic

SNB-DD41	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD42	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD5P	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD51	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD52	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD6P	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD61	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD62	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DE1P	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE11	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE12	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE2P	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE21	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE22	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE3P	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE31	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE32	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE4P	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE41	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE42	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE5P	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE51	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE52	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE6P	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE61	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE62	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF1P	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF11	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF12	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF2P	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF21	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF22	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF3P	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF31	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF32	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF4P	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF41	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF42	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DG1P	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG11	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG12	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG2P	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG21	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG22	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG3P	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG31	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG32	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG4P	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG41	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG42	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH1P	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH11	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH12	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH2P	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH21	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH22	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH3P	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH31	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH32	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH4P	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH41	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH42	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI1P	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI11	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI12	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI2P	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic

SNB-DI21	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI22	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI3P	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI31	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI32	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI4P	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI41	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI42	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-LA1P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA11	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA12	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA2P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA21	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA22	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA3P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA31	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA32	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA4P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA41	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA42	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB1P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB11	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB12	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB2P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB21	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB22	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB3P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB31	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB32	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB4P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB41	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB42	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC1P	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC11	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC12	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC2P	SNB-L2	110.299	L/r	134.136	Net Sect	56	6.69	110.299	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC21	SNB-L2	110.299	L/r	134.136	Net Sect	56	6.69	110.299	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC22	SNB-L2	110.299	L/r	134.136	Net Sect	56	6.69	110.299	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC3P	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC31	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC32	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD1P	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD11	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD12	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD2P	SNB-L3	108.204	L/r	123.552	Net Sect	43	6.69	108.204	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD21	SNB-L3	108.204	L/r	123.552	Net Sect	43	6.69	108.204	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD22	SNB-L3	108.204	L/r	123.552	Net Sect	43	6.69	108.204	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD3P	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD31	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD32	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE1P	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE11	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE12	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE2P	SNB-L4	207.585	L/r	231.120	Net Sect	37	6.69	207.585	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE21	SNB-L4	207.585	L/r	231.120	Net Sect	37	6.69	207.585	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE22	SNB-L4	207.585	L/r	231.120	Net Sect	37	6.69	207.585	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE3P	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE31	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE32	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF1P	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF11	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF12	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF2P	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF21	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF22	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG1P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic

SNB-LG11	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG12	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG2P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG21	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG22	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH1P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH11	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH12	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH2P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH21	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH22	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI1P	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI11	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI12	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI2P	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI21	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI22	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect A1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect A2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Aa1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Aa2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AbP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ab1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ab2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AcP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ac1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ac2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect B1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect B2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BaP	Connect	17203.093	L/r	17279.973	Net Sect	2	2.00	17203.093	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ba1	Connect	17203.093	L/r	17279.973	Net Sect	2	2.00	17203.093	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ba2	Connect	17203.093	L/r	17279.973	Net Sect	2	2.00	17203.093	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BbP	Connect	17203.083	L/r	17279.973	Net Sect	2	2.00	17203.083	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bb1	Connect	17203.083	L/r	17279.973	Net Sect	2	2.00	17203.083	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bb2	Connect	17203.083	L/r	17279.973	Net Sect	2	2.00	17203.083	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BcP	Connect	17203.073	L/r	17279.973	Net Sect	2	2.00	17203.073	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bc1	Connect	17203.073	L/r	17279.973	Net Sect	2	2.00	17203.073	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bc2	Connect	17203.073	L/r	17279.973	Net Sect	2	2.00	17203.073	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect CP	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect C1	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect C2	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect CaP	Connect	17203.076	L/r	17279.973	Net Sect	2	2.00	17203.076	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ca1	Connect	17203.076	L/r	17279.973	Net Sect	2	2.00	17203.076	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ca2	Connect	17203.076	L/r	17279.973	Net Sect	2	2.00	17203.076	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect CbP	Connect	17203.089	L/r	17279.973	Net Sect	2	2.00	17203.089	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Cb1	Connect	17203.089	L/r	17279.973	Net Sect	2	2.00	17203.089	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Cb2	Connect	17203.089	L/r	17279.973	Net Sect	2	2.00	17203.089	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect DP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect D1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect D2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect DaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Da1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Da2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect DbP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Db1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Db2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect EP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect E1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect E2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect EaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ea1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ea2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect EbP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic

Connect Eb1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Eb2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect FP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect F1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect F2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect FaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Fa1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Fa2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect GP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect G1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect G2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect GaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ga1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ga2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect HP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect H1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect H2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect HaP	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ha1	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ha2	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect IP	Connect	17203.023	L/r	17279.973	Net Sect	2	2.00	17203.023	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect I1	Connect	17203.023	L/r	17279.973	Net Sect	2	2.00	17203.023	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect I2	Connect	17203.023	L/r	17279.973	Net Sect	2	2.00	17203.023	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect IaP	Connect	17202.963	L/r	17279.973	Net Sect	2	2.00	17202.963	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ia1	Connect	17202.963	L/r	17279.973	Net Sect	2	2.00	17202.963	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ia2	Connect	17202.963	L/r	17279.973	Net Sect	2	2.00	17202.963	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1aP	SNB-H1	84.029	L/r	88.668	Net Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1bP	SNB-H1	84.029	L/r	88.668	Net Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1cP	SNB-H1	84.029	L/r	88.668	Net Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1dP	SNB-H1	84.029	L/r	88.668	Net Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1eP	SNB-H1	84.029	L/r	88.668	Net Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1fP	SNB-H1	84.029	L/r	88.668	Net Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2aP	SNB-H1	81.989	L/r	88.668	Net Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2bP	SNB-H1	81.989	L/r	88.668	Net Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2cP	SNB-H1	81.989	L/r	88.668	Net Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2dP	SNB-H1	81.989	L/r	88.668	Net Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2eP	SNB-H1	81.989	L/r	88.668	Net Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2fP	SNB-H1	81.989	L/r	88.668	Net Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3aP	SNB-H1	79.736	L/r	88.668	Net Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3bP	SNB-H1	79.736	L/r	88.668	Net Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3cP	SNB-H1	79.736	L/r	88.668	Net Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3dP	SNB-H1	79.736	L/r	88.668	Net Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3eP	SNB-H1	79.736	L/r	88.668	Net Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3fP	SNB-H1	79.736	L/r	88.668	Net Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4aP	SNB-H1	77.281	L/r	88.668	Net Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4bP	SNB-H1	77.281	L/r	88.668	Net Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4cP	SNB-H1	77.281	L/r	88.668	Net Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4dP	SNB-H1	77.281	L/r	88.668	Net Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4eP	SNB-H1	77.281	L/r	88.668	Net Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4fP	SNB-H1	77.281	L/r	88.668	Net Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5aP	SNB-H2	119.111	L/r	134.136	Net Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5bP	SNB-H2	119.111	L/r	134.136	Net Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5cP	SNB-H2	119.111	L/r	134.136	Net Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5dP	SNB-H2	119.111	L/r	134.136	Net Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5eP	SNB-H2	119.111	L/r	134.136	Net Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5fP	SNB-H2	119.111	L/r	134.136	Net Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6aP	SNB-H2	116.171	L/r	134.136	Net Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6bP	SNB-H2	116.171	L/r	134.136	Net Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6cP	SNB-H2	116.171	L/r	134.136	Net Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6dP	SNB-H2	116.171	L/r	134.136	Net Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6eP	SNB-H2	116.171	L/r	134.136	Net Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6fP	SNB-H2	116.171	L/r	134.136	Net Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7aP	SNB-H2	113.058	L/r	134.136	Net Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7bP	SNB-H2	113.058	L/r	134.136	Net Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7cP	SNB-H2	113.058	L/r	134.136	Net Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7dP	SNB-H2	113.058	L/r	134.136	Net Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic

SNB-H7eP	SNB-H2	113.058	L/r	134.136	Net Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7fP	SNB-H2	113.058	L/r	134.136	Net Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8aP	SNB-H2	109.782	L/r	134.136	Net Sect	57	6.79	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8bP	SNB-H2	109.782	L/r	134.136	Net Sect	57	6.79	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8cP	SNB-H2	109.782	L/r	134.136	Net Sect	57	6.79	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8dP	SNB-H2	109.782	L/r	134.136	Net Sect	57	6.79	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8eP	SNB-H2	109.782	L/r	134.136	Net Sect	57	6.79	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8fP	SNB-H2	109.782	L/r	134.136	Net Sect	57	6.79	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H9aP	SNB-H2	106.339	L/r	134.136	Net Sect	63	7.47	106.339	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H9bP	SNB-H2	106.339	L/r	134.136	Net Sect	63	7.47	106.339	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H9cP	SNB-H2	106.339	L/r	134.136	Net Sect	63	7.47	106.339	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H9dP	SNB-H2	106.339	L/r	134.136	Net Sect	63	7.47	106.339	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H9eP	SNB-H2	106.339	L/r	134.136	Net Sect	63	7.47	106.339	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H9fP	SNB-H2	106.339	L/r	134.136	Net Sect	63	7.47	106.339	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-A1P	WLAC-1	16.201	L/r	20.304	Net Sect	62	2.02	16.201	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-A2P	WLAC-1	16.201	L/r	20.304	Net Sect	62	2.02	16.201	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-A3P	WLAC-1	16.201	L/r	20.304	Net Sect	62	2.02	16.201	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-B1P	WLAC-1	14.122	L/r	20.304	Net Sect	83	2.70	14.122	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-B2P	WLAC-1	14.122	L/r	20.304	Net Sect	83	2.70	14.122	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-B3P	WLAC-1	14.122	L/r	20.304	Net Sect	83	2.70	14.122	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-C1P	WLAC-1	11.733	L/r	20.304	Net Sect	104	3.38	11.733	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-C2P	WLAC-1	11.733	L/r	20.304	Net Sect	104	3.38	11.733	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-C3P	WLAC-1	11.733	L/r	20.304	Net Sect	104	3.38	11.733	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-D1P	WLAC-1	9.011	L/r	20.304	Net Sect	125	4.07	9.011	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-D2P	WLAC-1	9.011	L/r	20.304	Net Sect	125	4.07	9.011	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-D3P	WLAC-1	9.011	L/r	20.304	Net Sect	125	4.07	9.011	0.000	0.000	20.304	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-E1P	WLAC-2	15.740	L/r	31.536	Net Sect	116	4.75	15.740	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-E2P	WLAC-2	15.740	L/r	31.536	Net Sect	116	4.75	15.740	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-E3P	WLAC-2	15.740	L/r	31.536	Net Sect	116	4.75	15.740	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-F1P	WLAC-2	12.287	L/r	31.536	Net Sect	133	5.43	12.287	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-F2P	WLAC-2	12.287	L/r	31.536	Net Sect	133	5.43	12.287	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-F3P	WLAC-2	12.287	L/r	31.536	Net Sect	133	5.43	12.287	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-G1P	WLAC-2	9.698	L/r	31.536	Net Sect	150	6.11	9.698	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-G2P	WLAC-2	9.698	L/r	31.536	Net Sect	150	6.11	9.698	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-G3P	WLAC-2	9.698	L/r	31.536	Net Sect	150	6.11	9.698	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-H1P	WLAC-2	7.852	L/r	31.536	Net Sect	167	6.79	7.852	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-H2P	WLAC-2	7.852	L/r	31.536	Net Sect	167	6.79	7.852	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-H3P	WLAC-2	7.852	L/r	31.536	Net Sect	167	6.79	7.852	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-I1P	WLAC-2	6.485	L/r	31.536	Net Sect	183	7.47	6.485	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-I2P	WLAC-2	6.485	L/r	31.536	Net Sect	183	7.47	6.485	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-WL-I3P	WLAC-2	6.485	L/r	31.536	Net Sect	183	7.47	6.485	0.000	0.000	31.536	0.000	0.000	0.000	0.000	0.000	Automatic

The model contains 612 angle members.

Section Joint Information:

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

A	SNB-Aa1	175.000
A	SNB-A1	180.000
A	SNB-Aa2	175.000
A	SNB-A2	180.000
A	SNB-AaS	175.000
A	SNB-Ab1	170.000
A	SNB-Ab2	170.000
A	SNB-AbS	170.000
A	SNB-Ac1	165.000
A	SNB-Ac2	165.000
A	SNB-AcS	165.000
A	SNB-B1	160.000
A	SNB-B2	160.000
A	SNB-BP	160.000
A	SNB-WL-A1S	180.000
A	SNB-WL-A2S	180.000
A	SNB-WL-A3S	180.000
A	SNB-WL-B1S	160.000
A	SNB-WL-B2S	160.000
A	SNB-WL-B3S	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
B	SNB-WL-C1S	140.000
B	SNB-WL-C2S	140.000
B	SNB-WL-C3S	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

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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
C SNB-WL-D1S   120.000
C SNB-WL-D2S   120.000
C SNB-WL-D3S   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
D SNB-WL-E1S   100.000
D SNB-WL-E2S   100.000
D SNB-WL-E3S   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
E SNB-WL-F1S    80.000
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E	SNB-WL-F2S	80.000
E	SNB-WL-F3S	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
F	SNB-WL-G1S	60.000
F	SNB-WL-G2S	60.000
F	SNB-WL-G3S	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
G	SNB-WL-H1S	40.000
G	SNB-WL-H2S	40.000
G	SNB-WL-H3S	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
H	SNB-WL-I1S	20.000
H	SNB-WL-I2S	20.000
H	SNB-WL-I3S	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	36	111	7.50	8.87	163.75	0.9000	0.9000	1.000
B	160.000	140.000	33	93	8.87	10.23	191.05	0.9000	0.9000	1.000
C	140.000	120.000	27	72	10.23	11.60	218.31	0.9000	0.9000	1.000
D	120.000	100.000	27	72	11.60	12.96	245.54	0.9000	0.9000	1.000
E	100.000	80.000	27	72	12.96	14.32	272.78	0.9000	0.9000	1.000
F	80.000	60.000	21	51	14.32	15.68	300.04	0.9000	0.9000	1.000
G	60.000	40.000	21	51	15.68	17.05	327.29	0.9000	0.9000	1.000
H	40.000	20.000	21	51	17.05	18.41	354.57	0.9000	0.9000	1.000
I	20.000	0.000	18	39	18.41	19.78	381.92	0.9000	0.9000	1.000

Equipment Library:

Equipment Property Label	Stock Number	Weight (lbs)	Wind Area (ft^2)	Ice Area (ft^2)	Shape or EIA Antenna Type	Drag Coef.	Diameter (ft)	Height (ft)
RFS PD1142 w/ ice	Omni	21.5	2.80	0.00	Circle	1.00	0.00	0.00
Andrew DB-583 w/ ice	Omni	11.6	0.71	0.00	Circle	1.00	0.00	0.00
EMS RR90-17-XXDP w/ ice	Panel	40.4	4.77	0.00	Square	1.00	0.00	0.00
Andrew DB844H80-XY	Panel	40.0	3.58	0.00	Square	1.00	0.00	0.00
12` T-Arm	Mount	600.0	10.00	0.00	Square	1.00	0.00	0.00
3` Stand-Off	Mount	75.0	1.50	0.00	Square	1.00	0.00	0.00
Dipole	Dipole	71.0	6.00	0.00	Circle	1.00	0.00	0.00
6` Dish with Radome	Dish	220.0	29.00	0.00	Circle	1.00	0.00	0.00
TMA	TMA	15.0	1.00	0.00	Square	1.00	0.00	0.00
GLF-940 Grid Dish		120.0	20.00	0.00	Circle	1.00	0.00	0.00
GPS	GPS	20.0	1.00	0.00	Circle	1.00	0.00	0.00
Powerwave 7770	Panel	35.0	5.88	0.00	Square	1.00	0.00	0.00
Powerwave P65-16-XLH-RR	Panel	65.0	8.40	0.00	Square	1.00	0.00	0.00
Raycap Surge Suppressor	Other	20.0	1.27	0.00	Circle	1.00	0.00	0.00
Ericsson RRU	Other	80.0	5.45	0.00	Square	1.00	0.00	0.00
10x4.6x4 Panel	Panel	20.0	0.50	0.00	Square	1.00	0.00	0.00
DB586-Y	Omni	10.0	0.40	0.00	Circle	1.00	0.00	0.00
8` Omni	Omni	160.0	1.60	0.00	Circle	1.00	0.00	0.00
12` Omni	Omni	170.0	2.40	0.00	Circle	1.00	0.00	0.00
Boom Gate	Mount	470.0	24.40	0.00	Square	1.00	0.00	0.00
Scala OGT9-806 w/ ice	Omni	22.7	1.98	0.00	Circle	1.00	0.00	0.00
Sinclair SC479-HF1LDF w/ ice	Omni	69.8	6.54	0.00	Circle	1.00	0.00	0.00
RFS APXVSPP18-C w/ ice	Panel	106.5	8.81	0.00	Square	1.00	0.00	0.00
ALU RRH	RRH	66.7	2.44	0.00	Square	1.00	0.00	0.00
6` Stand-Off	Mount	150.0	3.00	0.00	Square	1.00	0.00	0.00

Swedcom SLCP 2x6014	Panel	70.5	7.65	0.00	Square	1.00	0.00	0.00
Diplexer	Panel	10.0	0.50	0.00	Square	1.00	0.00	0.00
Raycap DB-T1-6Z-8AB-0Z Dist. Box	Panel	73.0	5.75	0.00	Square	1.00	0.00	0.00
CommScope HBXX-6516DS-A2M	Panel	65.9	6.35	0.00	Square	1.00	0.00	0.00
Decibel PD-420 2 bay - Dipole	Dipole	24.7	2.48	0.00	Square	1.00	0.00	0.00

Equipment Connectivity:

Equipment Label	Attach Label	Equipment Property Set	EIA Antenna Orientation Angle (deg)
Top-A	RohnAP	6` Stand-Off	0.00
Top-B	RohnA1	6` Stand-Off	120.00
Top-C1	RohnA2	6` Stand-Off	260.00
Top-C2	RohnA2	6` Stand-Off	220.00
CSP-3	RohnA2	Sinclair SC479-HF1LDF w/ ice	240.00
CSP-75	RohnAP	6` Dish with Radome	0.00
CSP-76	RohnA1	6` Dish with Radome	120.00
CSP-77	RohnA2	6` Dish with Radome	240.00
CSP-1	RohnA1	Scala OGT9-806 w/ ice	120.00
CSP-74	RohnA1	TMA	120.00
TOG-5	RohnAP	Andrew DB-583 w/ ice	0.00
NEU-55	RohnA2	Decibel PD-420 2 bay - Dipole	240.00
NEU-20	RohnA1	Decibel PD-420 2 bay - Dipole	120.00
CSP-67	RohnAa1	Sinclair SC479-HF1LDF w/ ice	0.00
CSP-31	RohnAaS	6` Dish with Radome	0.00
TOG-6	RohnAaS	DB586-Y	0.00
TOG-7	RohnAb1	6` Dish with Radome	120.00
NEU-19	RohnAbS	DB586-Y	0.00
NEU-19-B	RohnAbS	TMA	0.00
CSP-4	RohnAc2	Sinclair SC479-HF1LDF w/ ice	240.00
CSP-2	RohnAc2	Scala OGT9-806 w/ ice	120.00
STAM-63	RohnAcS	10x4.6x4 Panel	0.00
SPD-9	RohnBP	GLF-940	0.00
159-A	RohnBP	3` Stand-Off	0.00
159-B	RohnB1	3` Stand-Off	120.00
STAM-65	RohnBP	10x4.6x4 Panel	0.00
CSP-70	RohnBP	Sinclair SC479-HF1LDF w/ ice	0.00
CSP-71	RohnB1	Sinclair SC479-HF1LDF w/ ice	120.00
CSP-72	RohnB2	Sinclair SC479-HF1LDF w/ ice	240.00
CSP-73	RohnB2	TMA	240.00
160	RohnBP	3` Stand-Off	0.00
STAM-64	RohnBP	TMA	0.00
ATT-A	RohnBbS	12` T-Arm	0.00
ATT-B	RohnBb1	12` T-Arm	120.00
ATT-C	RohnBb2	12` T-Arm	240.00
ATT-A1	RohnBbS	Powerwave 7770	0.00
ATT-A2	RohnBbS	Powerwave P65-16-XLH-RR	0.00
ATT-A3	RohnBbS	Powerwave 7770	0.00
ATT-A4	RohnBbS	Ericsson RRU	0.00
ATT-A5	RohnBbS	Ericsson RRU	0.00
ATT-A6	RohnBbS	TMA	0.00
ATT-A7	RohnBbS	TMA	0.00
ATT-A8	RohnBbS	TMA	0.00
ATT-A9	RohnBbS	TMA	0.00
ATT-A10	RohnBbS	Raycap Surge Suppressor	0.00
ATT-B1	RohnBb1	Powerwave 7770	120.00
ATT-B2	RohnBb1	Powerwave P65-16-XLH-RR	120.00
ATT-B3	RohnBb1	Powerwave 7770	120.00
ATT-B4	RohnBb1	Ericsson RRU	120.00
ATT-B5	RohnBb1	Ericsson RRU	120.00
ATT-B6	RohnBb1	TMA	120.00
ATT-B7	RohnBb1	TMA	120.00
ATT-B8	RohnBb1	TMA	120.00

ATT-B9	RohnBb1		TMA	120.00
ATT-C1	RohnBb2		Powerwave 7770	240.00
ATT-C2	RohnBb2	Powerwave P65-16-XLH-RR		240.00
ATT-C3	RohnBb2		Powerwave 7770	240.00
ATT-C4	RohnBb2		Ericsson RRU	240.00
ATT-C5	RohnBb2		Ericsson RRU	240.00
ATT-C6	RohnBb2		TMA	240.00
ATT-C7	RohnBb2		TMA	240.00
ATT-C8	RohnBb2		TMA	240.00
ATT-C9	RohnBb2		TMA	240.00
143-A	RohnBcS		3` Stand-Off	0.00
NEU-18	RohnBcS		12` Omni	0.00
CSP-21	RohnC1		8` Omni	120.00
NEU-16	RohnC1		8` Omni	120.00
T-Mobile-1	RohnCP	EMS RR90-17-XXDP w/ ice		0.00
T-Mobile-2	RohnCP		TMA	0.00
T-Mobile-3	RohnCP		TMA	0.00
T-Mobile-4	RohnC1	EMS RR90-17-XXDP w/ ice		120.00
T-Mobile-5	RohnC1		TMA	120.00
T-Mobile-6	RohnC1		TMA	120.00
T-Mobile-7	RohnC2	EMS RR90-17-XXDP w/ ice		240.00
T-Mobile-8	RohnC2		TMA	240.00
T-Mobile-9	RohnC2		TMA	240.00
Verizon-A	RohnCaS		Boom Gate	0.00
Verizon-B	RohnCa1		Boom Gate	120.00
Verizon-C	RohnCa2		Boom Gate	240.00
Verizon-1_700	RohnCaS		Swedcom SLCP 2x6014	0.00
Verizon-2_850	RohnCaS		Andrew DB844H80-XY	0.00
Verizon-3_850	RohnCaS		Andrew DB844H80-XY	0.00
Verizon-4_LTE	RohnCaS	CommScope HBXX-6516DS-A2M		0.00
Verizon-5_PCS	RohnCaS	CommScope HBXX-6516DS-A2M		0.00
Verizon-6_700	RohnCa1		Swedcom SLCP 2x6014	120.00
Verizon-7_850	RohnCa1		Andrew DB844H80-XY	120.00
Verizon-8_850	RohnCa1		Andrew DB844H80-XY	120.00
Verizon-9_LTE	RohnCa1	CommScope HBXX-6516DS-A2M		120.00
Verizon-10_PCS	RohnCa1	CommScope HBXX-6516DS-A2M		120.00
Verizon-11_700	RohnCa2		Swedcom SLCP 2x6014	240.00
Verizon-12_850	RohnCa2		Andrew DB844H80-XY	240.00
Verizon-13_850	RohnCa2		Andrew DB844H80-XY	240.00
Verizon-14_LTE	RohnCa2	CommScope HBXX-6516DS-A2M		240.00
Verizon-15_PCS	RohnCa2	CommScope HBXX-6516DS-A2M		240.00
Verizon-16_AWS	RohnCaS		ALU RRH	0.00
Verizon-17_AWS	RohnCa1		ALU RRH	120.00
Verizon-18_AWS	RohnCa2		ALU RRH	240.00
Verizon-19_PCS	RohnCaS		ALU RRH	0.00
Verizon-20_PCS	RohnCa1		ALU RRH	120.00
Verizon-21_PCS	RohnCa2		ALU RRH	240.00
Verizon-22_AWS	RohnCa2	Raycap DB-T1-6Z-8AB-0Z Dist. Box		240.00
Sprint-A	RohnDP		12` T-Arm	0.00
Sprint-B	RohnD1		12` T-Arm	120.00
Sprint-C	RohnD2		12` T-Arm	240.00
Sprint-1	RohnDP	RFS APXVSPP18-C w/ ice		0.00
Sprint-2	RohnDP		ALU RRH	0.00
Sprint-3	RohnDP		ALU RRH	0.00
Sprint-4	RohnD1	RFS APXVSPP18-C w/ ice		120.00
Sprint-5	RohnD1		ALU RRH	120.00
Sprint-6	RohnD1		ALU RRH	120.00
Sprint-7	RohnD2	RFS APXVSPP18-C w/ ice		240.00
Sprint-8	RohnD2		ALU RRH	240.00
Sprint-9	RohnD2		ALU RRH	240.00
115-A	RohnDaS		3` Stand-Off	0.00
NEU-17	RohnDaS		12` Omni	0.00
85-A	RohnEbS		3` Stand-Off	0.00
CSP-66	RohnFP	RFS PD1142 w/ ice		0.00
DOT-56	RohnF1		Dipole	120.00
DEP-54	RohnF2	RFS PD1142 w/ ice		240.00

GPS-68	RohnG2	GPS	240.00
GPS-69	RohnG1	GPS	120.00
GPS-53	RohnIP	GPS	0.00
Verizon-D1	RohnCaS	Diplexer	0.00
Verizon-D2	RohnCaS	Diplexer	0.00
Verizon-D3	RohnCa1	Diplexer	120.00
Verizon-D4	RohnCa1	Diplexer	120.00
Verizon-D5	RohnCa2	Diplexer	240.00
Verizon-D6	RohnCa2	Diplexer	240.00

Linear Appurtenances:

Description	From (ft)	To (ft)	Quantity	Shape	Width or Diameter (in)	Perimeter (in)	Unit Weight (lbs/ft)	In Face	Include in Wind Load
Full Cable Tray 2-150 (wind only)	2	150	2	Flat	24	0	0	Yes	Yes
Full Cable Tray 150-top (wind only)	150	180	1	Flat	24	0	0	Yes	Yes
1-5/8" @ 180`	2	180	3	Round	0	0	2.55	Yes	No
7/8" @ 180`	2	180	2	Round	0	0	1.52	Yes	No
1/2" @ 180`	2	180	1	Round	0	0	0.91	Yes	No
Ellipitical @ 175`	2	175	1	Round	0	0	2	Yes	No
1-5/8" @ 175`	2	175	2	Round	0	0	2.55	Yes	No
Ellipitical @ 170`	2	170	1	Round	0	0	2	Yes	No
7/8" @ 170`	2	170	1	Round	0	0	1.52	Yes	No
1-1/4" @ 165`	2	165	1	Round	0	0	1.91	Yes	No
7/8" @ 165`	2	165	2	Round	0	0	1.52	Yes	No
Ellipitical @ 160`	2	160	1	Round	0	0	2	Yes	No
1-1/4" @ 160`	2	160	1	Round	0	0	1.91	Yes	No
3/8" @ 160`	2	160	1	Round	0	0	0.65	Yes	No
1-5/8" @ 160`	2	160	3	Round	0	0	2.55	Yes	No
1/2" @ 160`	2	160	1	Round	0	0	0.91	Yes	No
1-5/8" @ ATT	2	150	12	Round	0	0	2.55	Yes	No
Optic Fiber Cable @ ATT	2	150	1	Round	0	0	0.3	Yes	No
DC Cable @ ATT	2	150	2	Round	0	0	0.3	Yes	No
7/8" @ 145`	2	145	1	Round	0	0	1.52	Yes	No
1-5/8" @ 140`	2	140	7	Round	0	0	2.55	Yes	No
1-5/8" @ VZW	2	133.333	12	Round	0	0	2.55	Yes	No
Optic Fiber Cable @ VZW	2	133	1	Round	0	0	0.3	Yes	No
Hybriflex Cables @ Sprint	2	120	3	Round	0	0	0.37	Yes	No
7/8" @ 113`	2	113	1	Round	0	0	1.52	Yes	No
7/8" @ 80`	2	80	3	Round	0	0	1.52	Yes	No
1/2" @ 60`	2	60	2	Round	0	0	0.91	Yes	No
1/2" @ 20`	2	20	1	Round	0	0	0.91	Yes	No

*** Loads Data

Loads from file: c:\users\michael_dalickas\desktop\greenwich copy for mod\vz5-182.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 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	6` Stand-Off	180.00	37.72	0.50	3.00	90.00							0.00	-113.15	150.00
Top-B	6` Stand-Off	180.00	37.72	0.50	3.00	210.00							0.00	-113.15	150.00
Top-C1	6` Stand-Off	180.00	37.72	0.50	3.00	350.00							0.00	-113.15	150.00
Top-C2	6` Stand-Off	180.00	37.72	0.50	3.00	310.00							0.00	-113.15	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	330.00							0.00	-246.67	69.80
CSP-75	6` Dish with Radome	180.00	37.72	0.50	29.00	90.00							0.00	-1093.80	220.00
CSP-76	6` Dish with Radome	180.00	37.72	0.50	29.00	210.00							0.00	-1093.80	220.00
CSP-77	6` Dish with Radome	180.00	37.72	0.50	29.00	330.00							0.00	-1093.80	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	37.72	0.50	1.98	210.00							0.00	-74.68	22.70
CSP-74	TMA	180.00	37.72	0.50	1.00	210.00							0.00	-37.72	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	90.00							0.00	-26.78	11.60
NEU-55	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	330.00							0.00	-93.69	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	210.00							0.00	-93.69	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	37.41	0.50	6.54	90.00							0.00	-244.69	69.80
CSP-31	6` Dish with Radome	175.00	37.41	0.50	29.00	90.00							0.00	-1085.03	220.00
TOG-6	DB586-Y	175.00	37.41	0.50	0.40	90.00							0.00	-14.97	10.00
TOG-7	6` Dish with Radome	170.00	37.11	0.50	29.00	210.00							0.00	-1076.08	220.00
NEU-19	DB586-Y	170.00	37.11	0.50	0.40	90.00							0.00	-14.84	10.00
NEU-19-B	TMA	170.00	37.11	0.50	1.00	90.00							0.00	-37.11	15.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	36.79	0.50	6.54	330.00							0.00	-240.61	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	36.79	0.50	1.98	210.00							0.00	-72.85	22.70
STAM-63	10x4.6x4 Panel	165.00	36.79	0.50	0.50	90.00							0.00	-18.40	20.00
SPD-9	GLF-940	160.00	36.47	0.50	20.00	90.00							0.00	-729.38	120.00
159-A	3` Stand-Off	160.00	36.47	0.50	1.50	90.00							0.00	-54.70	75.00
159-B	3` Stand-Off	160.00	36.47	0.50	1.50	210.00							0.00	-54.70	75.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	90.00							0.00	-18.23	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	90.00							0.00	-238.51	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	210.00							0.00	-238.51	69.80

CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	330.00	0.00	-238.51	69.80
CSP-73	TMA	160.00	36.47	0.50	1.00	330.00	0.00	-36.47	15.00
160	3` Stand-Off	160.00	36.47	0.50	1.50	90.00	0.00	-54.70	75.00
STAM-64	TMA	160.00	36.47	0.50	1.00	90.00	0.00	-36.47	15.00
ATT-A	12` T-Arm	150.00	35.80	0.50	10.00	90.00	0.00	-358.03	600.00
ATT-B	12` T-Arm	150.00	35.80	0.50	10.00	210.00	0.00	-358.03	600.00
ATT-C	12` T-Arm	150.00	35.80	0.50	10.00	330.00	0.00	-358.03	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	90.00	0.00	-210.52	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	90.00	0.00	-300.74	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	90.00	0.00	-210.52	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	90.00	0.00	-195.12	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	90.00	0.00	-195.12	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	90.00	0.00	-35.80	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	90.00	0.00	-35.80	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	90.00	0.00	-35.80	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	90.00	0.00	-35.80	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	90.00	0.00	-45.47	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	210.00	0.00	-210.52	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	210.00	0.00	-300.74	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	210.00	0.00	-210.52	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	210.00	0.00	-195.12	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	210.00	0.00	-195.12	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	330.00	0.00	-210.52	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	330.00	0.00	-300.74	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	330.00	0.00	-210.52	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	330.00	0.00	-195.12	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	330.00	0.00	-195.12	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
143-A	3` Stand-Off	145.00	35.46	0.50	1.50	90.00	0.00	-53.19	75.00
NEU-18	12` Omni	145.00	35.46	0.50	2.40	90.00	0.00	-85.10	170.00
CSP-21	8` Omni	140.00	35.10	0.50	1.60	210.00	0.00	-56.17	160.00
NEU-16	8` Omni	140.00	35.10	0.50	1.60	210.00	0.00	-56.17	160.00
T-Mobile-1	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	90.00	0.00	-167.45	40.40
T-Mobile-2	TMA	140.00	35.10	0.50	1.00	90.00	0.00	-35.10	15.00
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	90.00	0.00	-35.10	15.00
T-Mobile-4	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	210.00	0.00	-167.45	40.40
T-Mobile-5	TMA	140.00	35.10	0.50	1.00	210.00	0.00	-35.10	15.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	210.00	0.00	-35.10	15.00
T-Mobile-7	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	330.00	0.00	-167.45	40.40
T-Mobile-8	TMA	140.00	35.10	0.50	1.00	330.00	0.00	-35.10	15.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	330.00	0.00	-35.10	15.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	90.00	0.00	-844.69	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	210.00	0.00	-844.69	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	330.00	0.00	-844.69	470.00
Verizon-1_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	90.00	0.00	-264.83	70.50
Verizon-2_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	90.00	0.00	-123.93	40.00
Verizon-3_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	90.00	0.00	-123.93	40.00
Verizon-4_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	90.00	0.00	-219.83	65.90
Verizon-5_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	90.00	0.00	-219.83	65.90
Verizon-6_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	210.00	0.00	-264.83	70.50
Verizon-7_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	210.00	0.00	-123.93	40.00
Verizon-8_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	210.00	0.00	-123.93	40.00
Verizon-9_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	210.00	0.00	-219.83	65.90
Verizon-10_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	210.00	0.00	-219.83	65.90
Verizon-11_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	330.00	0.00	-264.83	70.50
Verizon-12_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	330.00	0.00	-123.93	40.00
Verizon-13_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	330.00	0.00	-123.93	40.00
Verizon-14_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	330.00	0.00	-219.83	65.90
Verizon-15_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	330.00	0.00	-219.83	65.90

Verizon-16_AWS		ALU RRH	133.34	34.62	0.50	2.44	90.00															0.00	-84.47	66.70
Verizon-17_AWS		ALU RRH	133.34	34.62	0.50	2.44	210.00															0.00	-84.47	66.70
Verizon-18_AWS		ALU RRH	133.34	34.62	0.50	2.44	330.00															0.00	-84.47	66.70
Verizon-19_PCS		ALU RRH	133.34	34.62	0.50	2.44	90.00															0.00	-84.47	66.70
Verizon-20_PCS		ALU RRH	133.34	34.62	0.50	2.44	210.00															0.00	-84.47	66.70
Verizon-21_PCS		ALU RRH	133.34	34.62	0.50	2.44	330.00															0.00	-84.47	66.70
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z Dist. Box		133.34	34.62	0.50	5.75	330.00															0.00	-199.06	73.00
Sprint-A		12` T-Arm	120.00	33.59	0.50	10.00	90.00															0.00	-335.91	600.00
Sprint-B		12` T-Arm	120.00	33.59	0.50	10.00	210.00															0.00	-335.91	600.00
Sprint-C		12` T-Arm	120.00	33.59	0.50	10.00	330.00															0.00	-335.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice		120.00	33.59	0.50	8.81	90.00															0.00	-295.94	106.50
Sprint-2		ALU RRH	120.00	33.59	0.50	2.44	90.00															0.00	-81.96	66.70
Sprint-3		ALU RRH	120.00	33.59	0.50	2.44	90.00															0.00	-81.96	66.70
Sprint-4	RFS APXVSPP18-C w/ ice		120.00	33.59	0.50	8.81	210.00															0.00	-295.94	106.50
Sprint-5		ALU RRH	120.00	33.59	0.50	2.44	210.00															0.00	-81.96	66.70
Sprint-6		ALU RRH	120.00	33.59	0.50	2.44	210.00															0.00	-81.96	66.70
Sprint-7	RFS APXVSPP18-C w/ ice		120.00	33.59	0.50	8.81	330.00															0.00	-295.94	106.50
Sprint-8		ALU RRH	120.00	33.59	0.50	2.44	330.00															0.00	-81.96	66.70
Sprint-9		ALU RRH	120.00	33.59	0.50	2.44	330.00															0.00	-81.96	66.70
115-A		3` Stand-Off	113.34	33.05	0.50	1.50	90.00															0.00	-49.57	75.00
NEU-17		12` Omni	113.34	33.05	0.50	2.40	90.00															0.00	-79.31	170.00
85-A		3` Stand-Off	86.66	30.61	0.50	1.50	90.00															0.00	-45.91	75.00
CSP-66	RFS PD1142 w/ ice		80.00	29.92	0.50	2.80	90.00															0.00	-83.77	21.50
DOT-56		Dipole	80.00	29.92	0.50	6.00	210.00															0.00	-179.50	71.00
DEP-54	RFS PD1142 w/ ice		80.00	29.92	0.50	2.80	330.00															0.00	-83.77	21.50
GPS-68		GPS	60.00	27.56	0.50	1.00	330.00															0.00	-27.56	20.00
GPS-69		GPS	60.00	27.56	0.50	1.00	210.00															0.00	-27.56	20.00
GPS-53		GPS	20.00	23.23	0.50	1.00	90.00															0.00	-23.23	20.00
Verizon-D1		Diplexer	133.34	34.62	0.50	0.50	90.00															0.00	-17.31	10.00
Verizon-D2		Diplexer	133.34	34.62	0.50	0.50	90.00															0.00	-17.31	10.00
Verizon-D3		Diplexer	133.34	34.62	0.50	0.50	210.00															0.00	-17.31	10.00
Verizon-D4		Diplexer	133.34	34.62	0.50	0.50	210.00															0.00	-17.31	10.00
Verizon-D5		Diplexer	133.34	34.62	0.50	0.50	330.00															0.00	-17.31	10.00
Verizon-D6		Diplexer	133.34	34.62	0.50	0.50	330.00															0.00	-17.31	10.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.85	1.00	0.75	1.81	78.5	5266	0.00	2.00	0.00	1.20	0.00	0	5266	4869
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.85	1.00	0.79	1.78	103.2	6581	0.00	2.00	0.00	1.20	0.00	0	6581	6622
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.85	1.00	0.80	1.78	123.2	7521	0.00	2.00	0.00	1.20	0.00	0	7521	8774
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.85	1.00	0.78	1.78	131.0	7652	0.00	2.00	0.00	1.20	0.00	0	7652	9748
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	0.85	1.00	0.77	1.79	141.6	7833	0.00	2.00	0.00	1.20	0.00	0	7833	12667
F	80.00	60.00	70.00	28.80	0.50	109.32	64.43	47.75	300.0	0.58	0.85	1.00	0.74	1.82	140.7	7366	0.00	2.00	0.00	1.20	0.00	0	7366	13039
G	60.00	40.00	50.00	26.16	0.50	111.79	71.66	52.33	327.3	0.56	0.85	1.00	0.73	1.83	147.3	7068	0.00	2.00	0.00	1.20	0.00	0	7068	15155
H	40.00	20.00	30.00	23.23	0.50	117.39	72.90	52.26	354.6	0.54	0.85	1.00	0.72	1.86	152.0	6558	0.00	2.00	0.00	1.20	0.00	0	6558	15936
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	0.85	1.00	0.71	1.88	156.7	6837	0.00	2.00	0.00	1.20	0.00	0	6837	17462

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	6` Stand-Off	180.00	37.72	0.50	3.00	60.00							56.58	-97.99	150.00
Top-B	6` Stand-Off	180.00	37.72	0.50	3.00	180.00							56.58	-97.99	150.00
Top-C1	6` Stand-Off	180.00	37.72	0.50	3.00	320.00							56.58	-97.99	150.00
Top-C2	6` Stand-Off	180.00	37.72	0.50	3.00	280.00							56.58	-97.99	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	300.00							123.34	-213.62	69.80
CSP-75	6` Dish with Radome	180.00	37.72	0.50	29.00	60.00							546.90	-947.26	220.00
CSP-76	6` Dish with Radome	180.00	37.72	0.50	29.00	180.00							546.90	-947.26	220.00

CSP-77	6` Dish with Radome	180.00	37.72	0.50	29.00	300.00	546.90	-947.26	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	37.72	0.50	1.98	180.00	37.34	-64.67	22.70
CSP-74	TMA	180.00	37.72	0.50	1.00	180.00	18.86	-32.66	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	60.00	13.39	-23.19	11.60
NEU-55	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	300.00	46.84	-81.14	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	180.00	46.84	-81.14	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	37.41	0.50	6.54	60.00	122.35	-211.91	69.80
CSP-31	6` Dish with Radome	175.00	37.41	0.50	29.00	60.00	542.51	-939.66	220.00
TOG-6	DB586-Y	175.00	37.41	0.50	0.40	60.00	7.48	-12.96	10.00
TOG-7	6` Dish with Radome	170.00	37.11	0.50	29.00	180.00	538.04	-931.91	220.00
NEU-19	DB586-Y	170.00	37.11	0.50	0.40	60.00	7.42	-12.85	10.00
NEU-19-B	TMA	170.00	37.11	0.50	1.00	60.00	18.55	-32.13	15.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	36.79	0.50	6.54	300.00	120.31	-208.38	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	36.79	0.50	1.98	180.00	36.42	-63.09	22.70
STAM-63	10x4.6x4 Panel	165.00	36.79	0.50	0.50	60.00	9.20	-15.93	20.00
SPD-9	GLF-940	160.00	36.47	0.50	20.00	60.00	364.69	-631.66	120.00
159-A	3` Stand-Off	160.00	36.47	0.50	1.50	60.00	27.35	-47.37	75.00
159-B	3` Stand-Off	160.00	36.47	0.50	1.50	180.00	27.35	-47.37	75.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	60.00	9.12	-15.79	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	60.00	119.25	-206.55	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	180.00	119.25	-206.55	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	300.00	119.25	-206.55	69.80
CSP-73	TMA	160.00	36.47	0.50	1.00	300.00	18.23	-31.58	15.00
160	3` Stand-Off	160.00	36.47	0.50	1.50	60.00	27.35	-47.37	75.00
STAM-64	TMA	160.00	36.47	0.50	1.00	60.00	18.23	-31.58	15.00
ATT-A	12` T-Arm	150.00	35.80	0.50	10.00	60.00	179.01	-310.06	600.00
ATT-B	12` T-Arm	150.00	35.80	0.50	10.00	180.00	179.01	-310.06	600.00
ATT-C	12` T-Arm	150.00	35.80	0.50	10.00	300.00	179.01	-310.06	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	60.00	105.26	-182.32	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	60.00	150.37	-260.45	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	60.00	105.26	-182.32	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	60.00	97.56	-168.98	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	60.00	97.56	-168.98	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	60.00	17.90	-31.01	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	60.00	17.90	-31.01	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	60.00	17.90	-31.01	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	60.00	17.90	-31.01	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	60.00	22.73	-39.38	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	180.00	105.26	-182.32	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	180.00	150.37	-260.45	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	180.00	105.26	-182.32	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	180.00	97.56	-168.98	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	180.00	97.56	-168.98	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	180.00	17.90	-31.01	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	180.00	17.90	-31.01	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	180.00	17.90	-31.01	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	180.00	17.90	-31.01	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	300.00	105.26	-182.32	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	300.00	150.37	-260.45	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	300.00	105.26	-182.32	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	300.00	97.56	-168.98	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	300.00	97.56	-168.98	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	300.00	17.90	-31.01	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	300.00	17.90	-31.01	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	300.00	17.90	-31.01	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	300.00	17.90	-31.01	15.00
143-A	3` Stand-Off	145.00	35.46	0.50	1.50	60.00	26.59	-46.06	75.00
NEU-18	12` Omni	145.00	35.46	0.50	2.40	60.00	42.55	-73.70	170.00
CSP-21	8` Omni	140.00	35.10	0.50	1.60	180.00	28.08	-48.64	160.00
NEU-16	8` Omni	140.00	35.10	0.50	1.60	180.00	28.08	-48.64	160.00
T-Mobile-1	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	60.00	83.72	-145.01	40.40
T-Mobile-2	TMA	140.00	35.10	0.50	1.00	60.00	17.55	-30.40	15.00
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	60.00	17.55	-30.40	15.00
T-Mobile-4	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	180.00	83.72	-145.01	40.40
T-Mobile-5	TMA	140.00	35.10	0.50	1.00	180.00	17.55	-30.40	15.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	180.00	17.55	-30.40	15.00

T-Mobile-7	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	300.00																83.72	-145.01	40.40
T-Mobile-8	TMA	140.00	35.10	0.50	1.00	300.00																17.55	-30.40	15.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	300.00																17.55	-30.40	15.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	60.00																422.34	-731.52	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	180.00																422.34	-731.52	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	300.00																422.34	-731.52	470.00
Verizon-1_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	60.00																132.42	-229.35	70.50
Verizon-2_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00																61.97	-107.33	40.00
Verizon-3_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00																61.97	-107.33	40.00
Verizon-4_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	60.00																109.91	-190.38	65.90
Verizon-5_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	60.00																109.91	-190.38	65.90
Verizon-6_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	180.00																132.42	-229.35	70.50
Verizon-7_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00																61.97	-107.33	40.00
Verizon-8_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00																61.97	-107.33	40.00
Verizon-9_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	180.00																109.91	-190.38	65.90
Verizon-10_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	180.00																109.91	-190.38	65.90
Verizon-11_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	300.00																132.42	-229.35	70.50
Verizon-12_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00																61.97	-107.33	40.00
Verizon-13_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00																61.97	-107.33	40.00
Verizon-14_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	300.00																109.91	-190.38	65.90
Verizon-15_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	300.00																109.91	-190.38	65.90
Verizon-16_AWS	ALU RRH	133.34	34.62	0.50	2.44	60.00																42.23	-73.15	66.70
Verizon-17_AWS	ALU RRH	133.34	34.62	0.50	2.44	180.00																42.23	-73.15	66.70
Verizon-18_AWS	ALU RRH	133.34	34.62	0.50	2.44	300.00																42.23	-73.15	66.70
Verizon-19_PCS	ALU RRH	133.34	34.62	0.50	2.44	60.00																42.23	-73.15	66.70
Verizon-20_PCS	ALU RRH	133.34	34.62	0.50	2.44	180.00																42.23	-73.15	66.70
Verizon-21_PCS	ALU RRH	133.34	34.62	0.50	2.44	300.00																42.23	-73.15	66.70
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z Dist. Box	133.34	34.62	0.50	5.75	300.00																99.53	-172.39	73.00
Sprint-A	12` T-Arm	120.00	33.59	0.50	10.00	60.00																167.96	-290.91	600.00
Sprint-B	12` T-Arm	120.00	33.59	0.50	10.00	180.00																167.96	-290.91	600.00
Sprint-C	12` T-Arm	120.00	33.59	0.50	10.00	300.00																167.96	-290.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	60.00																147.97	-256.29	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	60.00																40.98	-70.98	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	60.00																40.98	-70.98	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	180.00																147.97	-256.29	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	180.00																40.98	-70.98	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	180.00																40.98	-70.98	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	300.00																147.97	-256.29	106.50
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	300.00																40.98	-70.98	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	300.00																40.98	-70.98	66.70
115-A	3` Stand-Off	113.34	33.05	0.50	1.50	60.00																24.79	-42.93	75.00
NEU-17	12` Omni	113.34	33.05	0.50	2.40	60.00																39.66	-68.69	170.00
85-A	3` Stand-Off	86.66	30.61	0.50	1.50	60.00																22.96	-39.76	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	60.00																41.88	-72.54	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	180.00																89.75	-155.45	71.00
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	300.00																41.88	-72.54	21.50
GPS-68	GPS	60.00	27.56	0.50	1.00	300.00																13.78	-23.86	20.00
GPS-69	GPS	60.00	27.56	0.50	1.00	180.00																13.78	-23.86	20.00
GPS-53	GPS	20.00	23.23	0.50	1.00	60.00																11.61	-20.12	20.00
Verizon-D1	Diplexer	133.34	34.62	0.50	0.50	60.00																8.65	-14.99	10.00
Verizon-D2	Diplexer	133.34	34.62	0.50	0.50	60.00																8.65	-14.99	10.00
Verizon-D3	Diplexer	133.34	34.62	0.50	0.50	180.00																8.65	-14.99	10.00
Verizon-D4	Diplexer	133.34	34.62	0.50	0.50	180.00																8.65	-14.99	10.00
Verizon-D5	Diplexer	133.34	34.62	0.50	0.50	300.00																8.65	-14.99	10.00
Verizon-D6	Diplexer	133.34	34.62	0.50	0.50	300.00																8.65	-14.99	10.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.80	1.00	0.75	1.81	75.6	5076	0.00	2.00	0.00	1.20	0.00	0	5076	4869
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.80	1.00	0.79	1.78	99.4	6337	0.00	2.00	0.00	1.20	0.00	0	6337	6622
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.80	1.00	0.80	1.78	118.3	7222	0.00	2.00	0.00	1.20	0.00	0	7222	8774
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.80	1.00	0.78	1.78	126.0	7359	0.00	2.00	0.00	1.20	0.00	0	7359	9748

E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	0.80	1.00	0.77	1.79	136.2	7532	0.00	2.00	0.00	1.20	0.00	0	7532	12667
F	80.00	60.00	70.00	28.80	0.50	109.32	64.43	47.75	300.0	0.58	0.80	1.00	0.74	1.82	135.2	7080	0.00	2.00	0.00	1.20	0.00	0	7080	13039
G	60.00	40.00	50.00	26.16	0.50	111.79	71.66	52.33	327.3	0.56	0.80	1.00	0.73	1.83	141.8	6800	0.00	2.00	0.00	1.20	0.00	0	6800	15155
H	40.00	20.00	30.00	23.23	0.50	117.39	72.90	52.26	354.6	0.54	0.80	1.00	0.72	1.86	146.2	6305	0.00	2.00	0.00	1.20	0.00	0	6305	15936
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	0.80	1.00	0.71	1.88	150.8	6579	0.00	2.00	0.00	1.20	0.00	0	6579	17462

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

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	6` Stand-Off	180.00	37.72	0.50	3.00	0.00							113.15	0.00	150.00
Top-B	6` Stand-Off	180.00	37.72	0.50	3.00	120.00							113.15	0.00	150.00
Top-C1	6` Stand-Off	180.00	37.72	0.50	3.00	260.00							113.15	0.00	150.00
Top-C2	6` Stand-Off	180.00	37.72	0.50	3.00	220.00							113.15	0.00	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	240.00							246.67	0.00	69.80
CSP-75	6` Dish with Radome	180.00	37.72	0.50	29.00	0.00							1093.80	0.00	220.00
CSP-76	6` Dish with Radome	180.00	37.72	0.50	29.00	120.00							1093.80	0.00	220.00
CSP-77	6` Dish with Radome	180.00	37.72	0.50	29.00	240.00							1093.80	0.00	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	37.72	0.50	1.98	120.00							74.68	0.00	22.70
CSP-74	TMA	180.00	37.72	0.50	1.00	120.00							37.72	0.00	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	0.00							26.78	0.00	11.60
NEU-55	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	240.00							93.69	0.00	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	120.00							93.69	0.00	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	37.41	0.50	6.54	0.00							244.69	0.00	69.80
CSP-31	6` Dish with Radome	175.00	37.41	0.50	29.00	0.00							1085.03	0.00	220.00
TOG-6	DB586-Y	175.00	37.41	0.50	0.40	0.00							14.97	0.00	10.00
TOG-7	6` Dish with Radome	170.00	37.11	0.50	29.00	120.00							1076.08	0.00	220.00
NEU-19	DB586-Y	170.00	37.11	0.50	0.40	0.00							14.84	0.00	10.00
NEU-19-B	TMA	170.00	37.11	0.50	1.00	0.00							37.11	0.00	15.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	36.79	0.50	6.54	240.00							240.61	0.00	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	36.79	0.50	1.98	120.00							72.85	0.00	22.70
STAM-63	10x4.6x4 Panel	165.00	36.79	0.50	0.50	0.00							18.40	0.00	20.00
SPD-9	GLF-940	160.00	36.47	0.50	20.00	0.00							729.38	0.00	120.00
159-A	3` Stand-Off	160.00	36.47	0.50	1.50	0.00							54.70	0.00	75.00
159-B	3` Stand-Off	160.00	36.47	0.50	1.50	120.00							54.70	0.00	75.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	0.00							18.23	0.00	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	0.00							238.51	0.00	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	120.00							238.51	0.00	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	240.00							238.51	0.00	69.80
CSP-73	TMA	160.00	36.47	0.50	1.00	240.00							36.47	0.00	15.00
160	3` Stand-Off	160.00	36.47	0.50	1.50	0.00							54.70	0.00	75.00
STAM-64	TMA	160.00	36.47	0.50	1.00	0.00							36.47	0.00	15.00
ATT-A	12` T-Arm	150.00	35.80	0.50	10.00	0.00							358.03	0.00	600.00
ATT-B	12` T-Arm	150.00	35.80	0.50	10.00	120.00							358.03	0.00	600.00
ATT-C	12` T-Arm	150.00	35.80	0.50	10.00	240.00							358.03	0.00	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	0.00							210.52	0.00	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	0.00							300.74	0.00	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	0.00							210.52	0.00	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	0.00							195.12	0.00	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	0.00							195.12	0.00	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	0.00							35.80	0.00	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	0.00							35.80	0.00	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	0.00							35.80	0.00	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	0.00							35.80	0.00	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	0.00							45.47	0.00	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	120.00							210.52	0.00	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	120.00							300.74	0.00	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	120.00							210.52	0.00	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	120.00							195.12	0.00	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	120.00							195.12	0.00	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	120.00							35.80	0.00	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	120.00							35.80	0.00	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	120.00							35.80	0.00	15.00

ATT-B9	TMA	150.00	35.80	0.50	1.00	120.00	35.80	0.00	15.00	
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	240.00	210.52	0.00	35.00	
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	240.00	300.74	0.00	65.00	
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	240.00	210.52	0.00	35.00	
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	240.00	195.12	0.00	80.00	
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	240.00	195.12	0.00	80.00	
ATT-C6	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00	
ATT-C7	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00	
ATT-C8	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00	
ATT-C9	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00	
143-A	3` Stand-Off	145.00	35.46	0.50	1.50	0.00	53.19	0.00	75.00	
NEU-18	12` Omni	145.00	35.46	0.50	2.40	0.00	85.10	0.00	170.00	
CSP-21	8` Omni	140.00	35.10	0.50	1.60	120.00	56.17	0.00	160.00	
NEU-16	8` Omni	140.00	35.10	0.50	1.60	120.00	56.17	0.00	160.00	
T-Mobile-1	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	0.00	167.45	0.00	40.40	
T-Mobile-2	TMA	140.00	35.10	0.50	1.00	0.00	35.10	0.00	15.00	
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	0.00	35.10	0.00	15.00	
T-Mobile-4	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	120.00	167.45	0.00	40.40	
T-Mobile-5	TMA	140.00	35.10	0.50	1.00	120.00	35.10	0.00	15.00	
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	120.00	35.10	0.00	15.00	
T-Mobile-7	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	240.00	167.45	0.00	40.40	
T-Mobile-8	TMA	140.00	35.10	0.50	1.00	240.00	35.10	0.00	15.00	
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	240.00	35.10	0.00	15.00	
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	0.00	844.69	0.00	470.00	
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	120.00	844.69	0.00	470.00	
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	240.00	844.69	0.00	470.00	
Verizon-1_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	0.00	264.83	0.00	70.50	
Verizon-2_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	0.00	123.93	0.00	40.00	
Verizon-3_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	0.00	123.93	0.00	40.00	
Verizon-4_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	0.00	219.83	0.00	65.90	
Verizon-5_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	0.00	219.83	0.00	65.90	
Verizon-6_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	120.00	264.83	0.00	70.50	
Verizon-7_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	120.00	123.93	0.00	40.00	
Verizon-8_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	120.00	123.93	0.00	40.00	
Verizon-9_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	120.00	219.83	0.00	65.90	
Verizon-10_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	120.00	219.83	0.00	65.90	
Verizon-11_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	240.00	264.83	0.00	70.50	
Verizon-12_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	240.00	123.93	0.00	40.00	
Verizon-13_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	240.00	123.93	0.00	40.00	
Verizon-14_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	240.00	219.83	0.00	65.90	
Verizon-15_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	240.00	219.83	0.00	65.90	
Verizon-16_AWS	ALU RRH	133.34	34.62	0.50	2.44	0.00	84.47	0.00	66.70	
Verizon-17_AWS	ALU RRH	133.34	34.62	0.50	2.44	120.00	84.47	0.00	66.70	
Verizon-18_AWS	ALU RRH	133.34	34.62	0.50	2.44	240.00	84.47	0.00	66.70	
Verizon-19_PCS	ALU RRH	133.34	34.62	0.50	2.44	0.00	84.47	0.00	66.70	
Verizon-20_PCS	ALU RRH	133.34	34.62	0.50	2.44	120.00	84.47	0.00	66.70	
Verizon-21_PCS	ALU RRH	133.34	34.62	0.50	2.44	240.00	84.47	0.00	66.70	
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z Dist. Box	133.34	34.62	0.50	5.75	240.00	199.06	0.00	73.00	
Sprint-A	12` T-Arm	120.00	33.59	0.50	10.00	0.00	335.91	0.00	600.00	
Sprint-B	12` T-Arm	120.00	33.59	0.50	10.00	120.00	335.91	0.00	600.00	
Sprint-C	12` T-Arm	120.00	33.59	0.50	10.00	240.00	335.91	0.00	600.00	
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	0.00	295.94	0.00	106.50	
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	0.00	81.96	0.00	66.70	
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	0.00	81.96	0.00	66.70	
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	120.00	295.94	0.00	106.50	
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	120.00	81.96	0.00	66.70	
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	120.00	81.96	0.00	66.70	
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	240.00	295.94	0.00	106.50	
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	240.00	81.96	0.00	66.70	
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	240.00	81.96	0.00	66.70	
115-A	3` Stand-Off	113.34	33.05	0.50	1.50	0.00	49.57	0.00	75.00	
NEU-17	12` Omni	113.34	33.05	0.50	2.40	0.00	79.31	0.00	170.00	
85-A	3` Stand-Off	86.66	30.61	0.50	1.50	0.00	45.91	0.00	75.00	
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	0.00	83.77	0.00	21.50	
DOT-56	Dipole	80.00	29.92	0.50	6.00	120.00	179.50	0.00	71.00	
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	240.00	83.77	0.00	21.50	

GPS-68		GPS	60.00	27.56	0.50	1.00	240.00															27.56	0.00	20.00
GPS-69		GPS	60.00	27.56	0.50	1.00	120.00															27.56	0.00	20.00
GPS-53		GPS	20.00	23.23	0.50	1.00	0.00															23.23	0.00	20.00
Verizon-D1		Diplexer	133.34	34.62	0.50	0.50	0.00															17.31	0.00	10.00
Verizon-D2		Diplexer	133.34	34.62	0.50	0.50	0.00															17.31	0.00	10.00
Verizon-D3		Diplexer	133.34	34.62	0.50	0.50	120.00															17.31	0.00	10.00
Verizon-D4		Diplexer	133.34	34.62	0.50	0.50	120.00															17.31	0.00	10.00
Verizon-D5		Diplexer	133.34	34.62	0.50	0.50	240.00															17.31	0.00	10.00
Verizon-D6		Diplexer	133.34	34.62	0.50	0.50	240.00															17.31	0.00	10.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	1.00	1.00	0.75	1.81	87.0	5835	0.00	2.00	0.00	1.20	0.00	0	5835	4869
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	1.00	1.00	0.79	1.78	114.7	7312	0.00	2.00	0.00	1.20	0.00	0	7312	6622
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	1.00	1.00	0.80	1.78	137.8	8416	0.00	2.00	0.00	1.20	0.00	0	8416	8774
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	1.00	1.00	0.78	1.78	146.0	8530	0.00	2.00	0.00	1.20	0.00	0	8530	9748
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	1.00	1.00	0.77	1.79	158.0	8738	0.00	2.00	0.00	1.20	0.00	0	8738	12667
F	80.00	60.00	70.00	28.80	0.50	109.32	64.43	47.75	300.0	0.58	1.00	1.00	0.74	1.82	157.1	8225	0.00	2.00	0.00	1.20	0.00	0	8225	13039
G	60.00	40.00	50.00	26.16	0.50	111.79	71.66	52.33	327.3	0.56	1.00	1.00	0.73	1.83	164.1	7872	0.00	2.00	0.00	1.20	0.00	0	7872	15155
H	40.00	20.00	30.00	23.23	0.50	117.39	72.90	52.26	354.6	0.54	1.00	1.00	0.72	1.86	169.7	7318	0.00	2.00	0.00	1.20	0.00	0	7318	15936
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	1.00	1.00	0.71	1.88	174.5	7613	0.00	2.00	0.00	1.20	0.00	0	7613	17462

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	6` Stand-Off	180.00	37.72	0.50	3.00	300.00							56.58	97.99	150.00
Top-B	6` Stand-Off	180.00	37.72	0.50	3.00	60.00							56.58	97.99	150.00
Top-C1	6` Stand-Off	180.00	37.72	0.50	3.00	200.00							56.58	97.99	150.00
Top-C2	6` Stand-Off	180.00	37.72	0.50	3.00	160.00							56.58	97.99	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	180.00							123.34	213.62	69.80
CSP-75	6` Dish with Radome	180.00	37.72	0.50	29.00	300.00							546.90	947.26	220.00
CSP-76	6` Dish with Radome	180.00	37.72	0.50	29.00	60.00							546.90	947.26	220.00
CSP-77	6` Dish with Radome	180.00	37.72	0.50	29.00	180.00							546.90	947.26	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	37.72	0.50	1.98	60.00							37.34	64.67	22.70
CSP-74	TMA	180.00	37.72	0.50	1.00	60.00							18.86	32.66	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	300.00							13.39	23.19	11.60
NEU-55	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	180.00							46.84	81.14	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	60.00							46.84	81.14	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	37.41	0.50	6.54	300.00							122.35	211.91	69.80
CSP-31	6` Dish with Radome	175.00	37.41	0.50	29.00	300.00							542.51	939.66	220.00
TOG-6	DB586-Y	175.00	37.41	0.50	0.40	300.00							7.48	12.96	10.00
TOG-7	6` Dish with Radome	170.00	37.11	0.50	29.00	60.00							538.04	931.91	220.00
NEU-19	DB586-Y	170.00	37.11	0.50	0.40	300.00							7.42	12.85	10.00
NEU-19-B	TMA	170.00	37.11	0.50	1.00	300.00							18.55	32.13	15.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	36.79	0.50	6.54	180.00							120.31	208.38	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	36.79	0.50	1.98	60.00							36.42	63.09	22.70
STAM-63	10x4.6x4 Panel	165.00	36.79	0.50	0.50	300.00							9.20	15.93	20.00
SPD-9	GLF-940	160.00	36.47	0.50	20.00	300.00							364.69	631.66	120.00
159-A	3` Stand-Off	160.00	36.47	0.50	1.50	300.00							27.35	47.37	75.00
159-B	3` Stand-Off	160.00	36.47	0.50	1.50	60.00							27.35	47.37	75.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	300.00							9.12	15.79	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	300.00							119.25	206.55	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	60.00							119.25	206.55	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	180.00							119.25	206.55	69.80
CSP-73	TMA	160.00	36.47	0.50	1.00	180.00							18.23	31.58	15.00
160	3` Stand-Off	160.00	36.47	0.50	1.50	300.00							27.35	47.37	75.00
STAM-64	TMA	160.00	36.47	0.50	1.00	300.00							18.23	31.58	15.00

ATT-A	12` T-Arm	150.00	35.80	0.50	10.00	300.00	179.01	310.06	600.00	
ATT-B	12` T-Arm	150.00	35.80	0.50	10.00	60.00	179.01	310.06	600.00	
ATT-C	12` T-Arm	150.00	35.80	0.50	10.00	180.00	179.01	310.06	600.00	
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	300.00	105.26	182.32	35.00	
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	300.00	150.37	260.45	65.00	
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	300.00	105.26	182.32	35.00	
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	300.00	97.56	168.98	80.00	
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	300.00	97.56	168.98	80.00	
ATT-A6	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00	
ATT-A7	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00	
ATT-A8	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00	
ATT-A9	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00	
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	300.00	22.73	39.38	20.00	
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	60.00	105.26	182.32	35.00	
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	60.00	150.37	260.45	65.00	
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	60.00	105.26	182.32	35.00	
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	60.00	97.56	168.98	80.00	
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	60.00	97.56	168.98	80.00	
ATT-B6	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00	
ATT-B7	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00	
ATT-B8	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00	
ATT-B9	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00	
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	180.00	105.26	182.32	35.00	
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	180.00	150.37	260.45	65.00	
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	180.00	105.26	182.32	35.00	
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	180.00	97.56	168.98	80.00	
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	180.00	97.56	168.98	80.00	
ATT-C6	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00	
ATT-C7	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00	
ATT-C8	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00	
ATT-C9	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00	
143-A	3` Stand-Off	145.00	35.46	0.50	1.50	300.00	26.59	46.06	75.00	
NEU-18	12` Omni	145.00	35.46	0.50	2.40	300.00	42.55	73.70	170.00	
CSP-21	8` Omni	140.00	35.10	0.50	1.60	60.00	28.08	48.64	160.00	
NEU-16	8` Omni	140.00	35.10	0.50	1.60	60.00	28.08	48.64	160.00	
T-Mobile-1	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	300.00	83.72	145.01	40.40	
T-Mobile-2	TMA	140.00	35.10	0.50	1.00	300.00	17.55	30.40	15.00	
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	300.00	17.55	30.40	15.00	
T-Mobile-4	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	60.00	83.72	145.01	40.40	
T-Mobile-5	TMA	140.00	35.10	0.50	1.00	60.00	17.55	30.40	15.00	
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	60.00	17.55	30.40	15.00	
T-Mobile-7	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	180.00	83.72	145.01	40.40	
T-Mobile-8	TMA	140.00	35.10	0.50	1.00	180.00	17.55	30.40	15.00	
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	180.00	17.55	30.40	15.00	
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	300.00	422.34	731.52	470.00	
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	60.00	422.34	731.52	470.00	
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	180.00	422.34	731.52	470.00	
Verizon-1_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	300.00	132.42	229.35	70.50	
Verizon-2_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00	61.97	107.33	40.00	
Verizon-3_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00	61.97	107.33	40.00	
Verizon-4_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	300.00	109.91	190.38	65.90	
Verizon-5_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	300.00	109.91	190.38	65.90	
Verizon-6_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	60.00	132.42	229.35	70.50	
Verizon-7_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00	61.97	107.33	40.00	
Verizon-8_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00	61.97	107.33	40.00	
Verizon-9_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	60.00	109.91	190.38	65.90	
Verizon-10_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	60.00	109.91	190.38	65.90	
Verizon-11_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	180.00	132.42	229.35	70.50	
Verizon-12_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00	61.97	107.33	40.00	
Verizon-13_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00	61.97	107.33	40.00	
Verizon-14_LTE	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	180.00	109.91	190.38	65.90	
Verizon-15_PCS	CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	180.00	109.91	190.38	65.90	
Verizon-16_AWS	ALU RRH	133.34	34.62	0.50	2.44	300.00	42.23	73.15	66.70	
Verizon-17_AWS	ALU RRH	133.34	34.62	0.50	2.44	60.00	42.23	73.15	66.70	
Verizon-18_AWS	ALU RRH	133.34	34.62	0.50	2.44	180.00	42.23	73.15	66.70	
Verizon-19_PCS	ALU RRH	133.34	34.62	0.50	2.44	300.00	42.23	73.15	66.70	

Verizon-20_PCS	ALU RRH	133.34	34.62	0.50	2.44	60.00							42.23	73.15	66.70
Verizon-21_PCS	ALU RRH	133.34	34.62	0.50	2.44	180.00							42.23	73.15	66.70
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z Dist. Box	133.34	34.62	0.50	5.75	180.00							99.53	172.39	73.00
Sprint-A	12` T-Arm	120.00	33.59	0.50	10.00	300.00							167.96	290.91	600.00
Sprint-B	12` T-Arm	120.00	33.59	0.50	10.00	60.00							167.96	290.91	600.00
Sprint-C	12` T-Arm	120.00	33.59	0.50	10.00	180.00							167.96	290.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	300.00							147.97	256.29	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	300.00							40.98	70.98	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	300.00							40.98	70.98	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	60.00							147.97	256.29	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	60.00							40.98	70.98	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	60.00							40.98	70.98	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	180.00							147.97	256.29	106.50
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	180.00							40.98	70.98	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	180.00							40.98	70.98	66.70
115-A	3` Stand-Off	113.34	33.05	0.50	1.50	300.00							24.79	42.93	75.00
NEU-17	12` Omni	113.34	33.05	0.50	2.40	300.00							39.66	68.69	170.00
85-A	3` Stand-Off	86.66	30.61	0.50	1.50	300.00							22.96	39.76	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	300.00							41.88	72.54	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	60.00							89.75	155.45	71.00
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	180.00							41.88	72.54	21.50
GPS-68	GPS	60.00	27.56	0.50	1.00	180.00							13.78	23.86	20.00
GPS-69	GPS	60.00	27.56	0.50	1.00	60.00							13.78	23.86	20.00
GPS-53	GPS	20.00	23.23	0.50	1.00	300.00							11.61	20.12	20.00
Verizon-D1	Diplexer	133.34	34.62	0.50	0.50	300.00							8.65	14.99	10.00
Verizon-D2	Diplexer	133.34	34.62	0.50	0.50	300.00							8.65	14.99	10.00
Verizon-D3	Diplexer	133.34	34.62	0.50	0.50	60.00							8.65	14.99	10.00
Verizon-D4	Diplexer	133.34	34.62	0.50	0.50	60.00							8.65	14.99	10.00
Verizon-D5	Diplexer	133.34	34.62	0.50	0.50	180.00							8.65	14.99	10.00
Verizon-D6	Diplexer	133.34	34.62	0.50	0.50	180.00							8.65	14.99	10.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.80	1.00	0.75	1.81	75.6	5076	0.00	2.00	0.00	1.20	0.00	0	5076	4869
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.80	1.00	0.79	1.78	99.4	6337	0.00	2.00	0.00	1.20	0.00	0	6337	6622
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.80	1.00	0.80	1.78	118.3	7222	0.00	2.00	0.00	1.20	0.00	0	7222	8774
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.80	1.00	0.78	1.78	126.0	7359	0.00	2.00	0.00	1.20	0.00	0	7359	9748
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	0.80	1.00	0.77	1.79	136.2	7532	0.00	2.00	0.00	1.20	0.00	0	7532	12667
F	80.00	60.00	70.00	28.80	0.50	109.32	64.43	47.75	300.0	0.58	0.80	1.00	0.74	1.82	135.2	7080	0.00	2.00	0.00	1.20	0.00	0	7080	13039
G	60.00	40.00	50.00	26.16	0.50	111.79	71.66	52.33	327.3	0.56	0.80	1.00	0.73	1.83	141.8	6800	0.00	2.00	0.00	1.20	0.00	0	6800	15155
H	40.00	20.00	30.00	23.23	0.50	117.39	72.90	52.26	354.6	0.54	0.80	1.00	0.72	1.86	146.2	6305	0.00	2.00	0.00	1.20	0.00	0	6305	15936
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	0.80	1.00	0.71	1.88	150.8	6579	0.00	2.00	0.00	1.20	0.00	0	6579	17462

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	6` Stand-Off	180.00	37.72	0.50	3.00	270.00							0.00	113.15	150.00
Top-B	6` Stand-Off	180.00	37.72	0.50	3.00	30.00							0.00	113.15	150.00
Top-C1	6` Stand-Off	180.00	37.72	0.50	3.00	170.00							0.00	113.15	150.00
Top-C2	6` Stand-Off	180.00	37.72	0.50	3.00	130.00							0.00	113.15	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	150.00							0.00	246.67	69.80
CSP-75	6` Dish with Radome	180.00	37.72	0.50	29.00	270.00							0.00	1093.80	220.00
CSP-76	6` Dish with Radome	180.00	37.72	0.50	29.00	30.00							0.00	1093.80	220.00
CSP-77	6` Dish with Radome	180.00	37.72	0.50	29.00	150.00							0.00	1093.80	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	37.72	0.50	1.98	30.00							0.00	74.68	22.70
CSP-74	TMA	180.00	37.72	0.50	1.00	30.00							0.00	37.72	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	270.00							0.00	26.78	11.60

NEU-55	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	150.00	0.00	93.69	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	30.00	0.00	93.69	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	37.41	0.50	6.54	270.00	0.00	244.69	69.80
CSP-31	6` Dish with Radome	175.00	37.41	0.50	29.00	270.00	0.00	1085.03	220.00
TOG-6	DB586-Y	175.00	37.41	0.50	0.40	270.00	0.00	14.97	10.00
TOG-7	6` Dish with Radome	170.00	37.11	0.50	29.00	30.00	0.00	1076.08	220.00
NEU-19	DB586-Y	170.00	37.11	0.50	0.40	270.00	0.00	14.84	10.00
NEU-19-B	TMA	170.00	37.11	0.50	1.00	270.00	0.00	37.11	15.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	36.79	0.50	6.54	150.00	0.00	240.61	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	36.79	0.50	1.98	30.00	0.00	72.85	22.70
STAM-63	10x4.6x4 Panel	165.00	36.79	0.50	0.50	270.00	0.00	18.40	20.00
SPD-9	GLF-940	160.00	36.47	0.50	20.00	270.00	0.00	729.38	120.00
159-A	3` Stand-Off	160.00	36.47	0.50	1.50	270.00	0.00	54.70	75.00
159-B	3` Stand-Off	160.00	36.47	0.50	1.50	30.00	0.00	54.70	75.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	270.00	0.00	18.23	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	270.00	0.00	238.51	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	30.00	0.00	238.51	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	150.00	0.00	238.51	69.80
CSP-73	TMA	160.00	36.47	0.50	1.00	150.00	0.00	36.47	15.00
160	3` Stand-Off	160.00	36.47	0.50	1.50	270.00	0.00	54.70	75.00
STAM-64	TMA	160.00	36.47	0.50	1.00	270.00	0.00	36.47	15.00
ATT-A	12` T-Arm	150.00	35.80	0.50	10.00	270.00	0.00	358.03	600.00
ATT-B	12` T-Arm	150.00	35.80	0.50	10.00	30.00	0.00	358.03	600.00
ATT-C	12` T-Arm	150.00	35.80	0.50	10.00	150.00	0.00	358.03	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	270.00	0.00	210.52	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	270.00	0.00	300.74	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	270.00	0.00	210.52	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	270.00	0.00	195.12	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	270.00	0.00	195.12	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	270.00	0.00	45.47	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	30.00	0.00	210.52	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	30.00	0.00	300.74	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	30.00	0.00	210.52	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	30.00	0.00	195.12	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	30.00	0.00	195.12	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	150.00	0.00	210.52	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	150.00	0.00	300.74	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	150.00	0.00	210.52	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	150.00	0.00	195.12	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	150.00	0.00	195.12	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
143-A	3` Stand-Off	145.00	35.46	0.50	1.50	270.00	0.00	53.19	75.00
NEU-18	12` Omni	145.00	35.46	0.50	2.40	270.00	0.00	85.10	170.00
CSP-21	8` Omni	140.00	35.10	0.50	1.60	30.00	0.00	56.17	160.00
NEU-16	8` Omni	140.00	35.10	0.50	1.60	30.00	0.00	56.17	160.00
T-Mobile-1	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	270.00	0.00	167.45	40.40
T-Mobile-2	TMA	140.00	35.10	0.50	1.00	270.00	0.00	35.10	15.00
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	270.00	0.00	35.10	15.00
T-Mobile-4	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	30.00	0.00	167.45	40.40
T-Mobile-5	TMA	140.00	35.10	0.50	1.00	30.00	0.00	35.10	15.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	30.00	0.00	35.10	15.00
T-Mobile-7	EMS RR90-17-XXDP w/ ice	140.00	35.10	0.50	4.77	150.00	0.00	167.45	40.40
T-Mobile-8	TMA	140.00	35.10	0.50	1.00	150.00	0.00	35.10	15.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	150.00	0.00	35.10	15.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	270.00	0.00	844.69	470.00

Verizon-B		Boom Gate	133.34	34.62	0.50	24.40	30.00													0.00	844.69	470.00
Verizon-C		Boom Gate	133.34	34.62	0.50	24.40	150.00													0.00	844.69	470.00
Verizon-1_700		Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	270.00													0.00	264.83	70.50
Verizon-2_850		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	270.00													0.00	123.93	40.00
Verizon-3_850		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	270.00													0.00	123.93	40.00
Verizon-4_LTE		CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	270.00													0.00	219.83	65.90
Verizon-5_PCS		CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	270.00													0.00	219.83	65.90
Verizon-6_700		Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	30.00													0.00	264.83	70.50
Verizon-7_850		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	30.00													0.00	123.93	40.00
Verizon-8_850		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	30.00													0.00	123.93	40.00
Verizon-9_LTE		CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	30.00													0.00	219.83	65.90
Verizon-10_PCS		CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	30.00													0.00	219.83	65.90
Verizon-11_700		Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	150.00													0.00	264.83	70.50
Verizon-12_850		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	150.00													0.00	123.93	40.00
Verizon-13_850		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	150.00													0.00	123.93	40.00
Verizon-14_LTE		CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	150.00													0.00	219.83	65.90
Verizon-15_PCS		CommScope HBXX-6516DS-A2M	133.34	34.62	0.50	6.35	150.00													0.00	219.83	65.90
Verizon-16_AWS		ALU RRH	133.34	34.62	0.50	2.44	270.00													0.00	84.47	66.70
Verizon-17_AWS		ALU RRH	133.34	34.62	0.50	2.44	30.00													0.00	84.47	66.70
Verizon-18_AWS		ALU RRH	133.34	34.62	0.50	2.44	150.00													0.00	84.47	66.70
Verizon-19_PCS		ALU RRH	133.34	34.62	0.50	2.44	270.00													0.00	84.47	66.70
Verizon-20_PCS		ALU RRH	133.34	34.62	0.50	2.44	30.00													0.00	84.47	66.70
Verizon-21_PCS		ALU RRH	133.34	34.62	0.50	2.44	150.00													0.00	84.47	66.70
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z	Dist. Box	133.34	34.62	0.50	5.75	150.00													0.00	199.06	73.00
Sprint-A		12` T-Arm	120.00	33.59	0.50	10.00	270.00													0.00	335.91	600.00
Sprint-B		12` T-Arm	120.00	33.59	0.50	10.00	30.00													0.00	335.91	600.00
Sprint-C		12` T-Arm	120.00	33.59	0.50	10.00	150.00													0.00	335.91	600.00
Sprint-1		RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	270.00													0.00	295.94	106.50
Sprint-2		ALU RRH	120.00	33.59	0.50	2.44	270.00													0.00	81.96	66.70
Sprint-3		ALU RRH	120.00	33.59	0.50	2.44	270.00													0.00	81.96	66.70
Sprint-4		RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	30.00													0.00	295.94	106.50
Sprint-5		ALU RRH	120.00	33.59	0.50	2.44	30.00													0.00	81.96	66.70
Sprint-6		ALU RRH	120.00	33.59	0.50	2.44	30.00													0.00	81.96	66.70
Sprint-7		RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	150.00													0.00	295.94	106.50
Sprint-8		ALU RRH	120.00	33.59	0.50	2.44	150.00													0.00	81.96	66.70
Sprint-9		ALU RRH	120.00	33.59	0.50	2.44	150.00													0.00	81.96	66.70
115-A		3` Stand-Off	113.34	33.05	0.50	1.50	270.00													0.00	49.57	75.00
NEU-17		12` Omni	113.34	33.05	0.50	2.40	270.00													0.00	79.31	170.00
85-A		3` Stand-Off	86.66	30.61	0.50	1.50	270.00													0.00	45.91	75.00
CSP-66		RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	270.00													0.00	83.77	21.50
DOT-56		Dipole	80.00	29.92	0.50	6.00	30.00													0.00	179.50	71.00
DEP-54		RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	150.00													0.00	83.77	21.50
GPS-68		GPS	60.00	27.56	0.50	1.00	150.00													0.00	27.56	20.00
GPS-69		GPS	60.00	27.56	0.50	1.00	30.00													0.00	27.56	20.00
GPS-53		GPS	20.00	23.23	0.50	1.00	270.00													0.00	23.23	20.00
Verizon-D1		Diplexer	133.34	34.62	0.50	0.50	270.00													0.00	17.31	10.00
Verizon-D2		Diplexer	133.34	34.62	0.50	0.50	270.00													0.00	17.31	10.00
Verizon-D3		Diplexer	133.34	34.62	0.50	0.50	30.00													0.00	17.31	10.00
Verizon-D4		Diplexer	133.34	34.62	0.50	0.50	30.00													0.00	17.31	10.00
Verizon-D5		Diplexer	133.34	34.62	0.50	0.50	150.00													0.00	17.31	10.00
Verizon-D6		Diplexer	133.34	34.62	0.50	0.50	150.00													0.00	17.31	10.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.85	1.00	0.75	1.81	78.5	5266	0.00	2.00	0.00	1.20	0.00	0	5266	4869
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.85	1.00	0.79	1.78	103.2	6581	0.00	2.00	0.00	1.20	0.00	0	6581	6622
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.85	1.00	0.80	1.78	123.2	7521	0.00	2.00	0.00	1.20	0.00	0	7521	8774
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.85	1.00	0.78	1.78	131.0	7652	0.00	2.00	0.00	1.20	0.00	0	7652	9748
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	0.85	1.00	0.77	1.79	141.6	7833	0.00	2.00	0.00	1.20	0.00	0	7833	12667
F	80.00	60.00	70.00	28.80	0.50	109.32	64.43	47.75	300.0	0.58	0.85	1.00	0.74	1.82	140.7	7366	0.00	2.00	0.00	1.20	0.00	0	7366	13039
G	60.00	40.00	50.00	26.16	0.50	111.79	71.66	52.33	327.3	0.56	0.85	1.00	0.73	1.83	147.3	7068	0.00	2.00	0.00	1.20	0.00	0	7068	15155
H	40.00	20.00	30.00	23.23	0.50	117.39	72.90	52.26	354.6	0.54	0.85	1.00	0.72	1.86	152.0	6558	0.00	2.00	0.00	1.20	0.00	0	6558	15936

I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	0.85	1.00	0.71	1.88	156.7	6837	0.00	2.00	0.00	1.20	0.00	0	6837	17462

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	6` Stand-Off	180.00	0.00	0.50	3.00	0.00							0.00	0.00	150.00
Top-B	6` Stand-Off	180.00	0.00	0.50	3.00	120.00							0.00	0.00	150.00
Top-C1	6` Stand-Off	180.00	0.00	0.50	3.00	260.00							0.00	0.00	150.00
Top-C2	6` Stand-Off	180.00	0.00	0.50	3.00	220.00							0.00	0.00	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	0.00	0.50	6.54	240.00							0.00	0.00	69.80
CSP-75	6` Dish with Radome	180.00	0.00	0.50	29.00	0.00							0.00	0.00	220.00
CSP-76	6` Dish with Radome	180.00	0.00	0.50	29.00	120.00							0.00	0.00	220.00
CSP-77	6` Dish with Radome	180.00	0.00	0.50	29.00	240.00							0.00	0.00	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	0.00	0.50	1.98	120.00							0.00	0.00	22.70
CSP-74	TMA	180.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	0.00	0.50	0.71	0.00							0.00	0.00	11.60
NEU-55	Decibel PD-420 2 bay - Dipole	180.00	0.00	0.50	2.48	240.00							0.00	0.00	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	0.00	0.50	2.48	120.00							0.00	0.00	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	0.00	0.50	6.54	0.00							0.00	0.00	69.80
CSP-31	6` Dish with Radome	175.00	0.00	0.50	29.00	0.00							0.00	0.00	220.00
TOG-6	DB586-Y	175.00	0.00	0.50	0.40	0.00							0.00	0.00	10.00
TOG-7	6` Dish with Radome	170.00	0.00	0.50	29.00	120.00							0.00	0.00	220.00
NEU-19	DB586-Y	170.00	0.00	0.50	0.40	0.00							0.00	0.00	10.00
NEU-19-B	TMA	170.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	0.00	0.50	6.54	240.00							0.00	0.00	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	0.00	0.50	1.98	120.00							0.00	0.00	22.70
STAM-63	10x4.6x4 Panel	165.00	0.00	0.50	0.50	0.00							0.00	0.00	20.00
SPD-9	GLF-940	160.00	0.00	0.50	20.00	0.00							0.00	0.00	120.00
159-A	3` Stand-Off	160.00	0.00	0.50	1.50	0.00							0.00	0.00	75.00
159-B	3` Stand-Off	160.00	0.00	0.50	1.50	120.00							0.00	0.00	75.00
STAM-65	10x4.6x4 Panel	160.00	0.00	0.50	0.50	0.00							0.00	0.00	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	0.00	0.50	6.54	0.00							0.00	0.00	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	0.00	0.50	6.54	120.00							0.00	0.00	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	0.00	0.50	6.54	240.00							0.00	0.00	69.80
CSP-73	TMA	160.00	0.00	0.50	1.00	240.00							0.00	0.00	15.00
160	3` Stand-Off	160.00	0.00	0.50	1.50	0.00							0.00	0.00	75.00
STAM-64	TMA	160.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A	12` T-Arm	150.00	0.00	0.50	10.00	0.00							0.00	0.00	600.00
ATT-B	12` T-Arm	150.00	0.00	0.50	10.00	120.00							0.00	0.00	600.00
ATT-C	12` T-Arm	150.00	0.00	0.50	10.00	240.00							0.00	0.00	600.00
ATT-A1	Powerwave 7770	150.00	0.00	0.50	5.88	0.00							0.00	0.00	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	0.00	0.50	8.40	0.00							0.00	0.00	65.00
ATT-A3	Powerwave 7770	150.00	0.00	0.50	5.88	0.00							0.00	0.00	35.00
ATT-A4	Ericsson RRU	150.00	0.00	0.50	5.45	0.00							0.00	0.00	80.00
ATT-A5	Ericsson RRU	150.00	0.00	0.50	5.45	0.00							0.00	0.00	80.00
ATT-A6	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A7	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A8	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A9	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A10	Raycap Surge Suppressor	150.00	0.00	0.50	1.27	0.00							0.00	0.00	20.00
ATT-B1	Powerwave 7770	150.00	0.00	0.50	5.88	120.00							0.00	0.00	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	0.00	0.50	8.40	120.00							0.00	0.00	65.00
ATT-B3	Powerwave 7770	150.00	0.00	0.50	5.88	120.00							0.00	0.00	35.00
ATT-B4	Ericsson RRU	150.00	0.00	0.50	5.45	120.00							0.00	0.00	80.00
ATT-B5	Ericsson RRU	150.00	0.00	0.50	5.45	120.00							0.00	0.00	80.00
ATT-B6	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-B7	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-B8	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-B9	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-C1	Powerwave 7770	150.00	0.00	0.50	5.88	240.00							0.00	0.00	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	0.00	0.50	8.40	240.00							0.00	0.00	65.00
ATT-C3	Powerwave 7770	150.00	0.00	0.50	5.88	240.00							0.00	0.00	35.00

ATT-C4	Ericsson RRU	150.00	0.00	0.50	5.45	240.00	0.00	0.00	80.00
ATT-C5	Ericsson RRU	150.00	0.00	0.50	5.45	240.00	0.00	0.00	80.00
ATT-C6	TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00
ATT-C7	TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00
ATT-C8	TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00
ATT-C9	TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00
143-A	3` Stand-Off	145.00	0.00	0.50	1.50	0.00	0.00	0.00	75.00
NEU-18	12` Omni	145.00	0.00	0.50	2.40	0.00	0.00	0.00	170.00
CSP-21	8` Omni	140.00	0.00	0.50	1.60	120.00	0.00	0.00	160.00
NEU-16	8` Omni	140.00	0.00	0.50	1.60	120.00	0.00	0.00	160.00
T-Mobile-1	EMS RR90-17-XXDP w/ ice	140.00	0.00	0.50	4.77	0.00	0.00	0.00	40.40
T-Mobile-2	TMA	140.00	0.00	0.50	1.00	0.00	0.00	0.00	15.00
T-Mobile-3	TMA	140.00	0.00	0.50	1.00	0.00	0.00	0.00	15.00
T-Mobile-4	EMS RR90-17-XXDP w/ ice	140.00	0.00	0.50	4.77	120.00	0.00	0.00	40.40
T-Mobile-5	TMA	140.00	0.00	0.50	1.00	120.00	0.00	0.00	15.00
T-Mobile-6	TMA	140.00	0.00	0.50	1.00	120.00	0.00	0.00	15.00
T-Mobile-7	EMS RR90-17-XXDP w/ ice	140.00	0.00	0.50	4.77	240.00	0.00	0.00	40.40
T-Mobile-8	TMA	140.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00
T-Mobile-9	TMA	140.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00
Verizon-A	Boom Gate	133.34	0.00	0.50	24.40	0.00	0.00	0.00	470.00
Verizon-B	Boom Gate	133.34	0.00	0.50	24.40	120.00	0.00	0.00	470.00
Verizon-C	Boom Gate	133.34	0.00	0.50	24.40	240.00	0.00	0.00	470.00
Verizon-1_700	Swedcom SLCP 2x6014	133.34	0.00	0.50	7.65	0.00	0.00	0.00	70.50
Verizon-2_850	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	0.00	0.00	0.00	40.00
Verizon-3_850	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	0.00	0.00	0.00	40.00
Verizon-4_LTE	CommScope HBXX-6516DS-A2M	133.34	0.00	0.50	6.35	0.00	0.00	0.00	65.90
Verizon-5_PCS	CommScope HBXX-6516DS-A2M	133.34	0.00	0.50	6.35	0.00	0.00	0.00	65.90
Verizon-6_700	Swedcom SLCP 2x6014	133.34	0.00	0.50	7.65	120.00	0.00	0.00	70.50
Verizon-7_850	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	120.00	0.00	0.00	40.00
Verizon-8_850	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	120.00	0.00	0.00	40.00
Verizon-9_LTE	CommScope HBXX-6516DS-A2M	133.34	0.00	0.50	6.35	120.00	0.00	0.00	65.90
Verizon-10_PCS	CommScope HBXX-6516DS-A2M	133.34	0.00	0.50	6.35	120.00	0.00	0.00	65.90
Verizon-11_700	Swedcom SLCP 2x6014	133.34	0.00	0.50	7.65	240.00	0.00	0.00	70.50
Verizon-12_850	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	240.00	0.00	0.00	40.00
Verizon-13_850	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	240.00	0.00	0.00	40.00
Verizon-14_LTE	CommScope HBXX-6516DS-A2M	133.34	0.00	0.50	6.35	240.00	0.00	0.00	65.90
Verizon-15_PCS	CommScope HBXX-6516DS-A2M	133.34	0.00	0.50	6.35	240.00	0.00	0.00	65.90
Verizon-16_AWS	ALU RRH	133.34	0.00	0.50	2.44	0.00	0.00	0.00	66.70
Verizon-17_AWS	ALU RRH	133.34	0.00	0.50	2.44	120.00	0.00	0.00	66.70
Verizon-18_AWS	ALU RRH	133.34	0.00	0.50	2.44	240.00	0.00	0.00	66.70
Verizon-19_PCS	ALU RRH	133.34	0.00	0.50	2.44	0.00	0.00	0.00	66.70
Verizon-20_PCS	ALU RRH	133.34	0.00	0.50	2.44	120.00	0.00	0.00	66.70
Verizon-21_PCS	ALU RRH	133.34	0.00	0.50	2.44	240.00	0.00	0.00	66.70
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z Dist. Box	133.34	0.00	0.50	5.75	240.00	0.00	0.00	73.00
Sprint-A	12` T-Arm	120.00	0.00	0.50	10.00	0.00	0.00	0.00	600.00
Sprint-B	12` T-Arm	120.00	0.00	0.50	10.00	120.00	0.00	0.00	600.00
Sprint-C	12` T-Arm	120.00	0.00	0.50	10.00	240.00	0.00	0.00	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	0.00	0.50	8.81	0.00	0.00	0.00	106.50
Sprint-2	ALU RRH	120.00	0.00	0.50	2.44	0.00	0.00	0.00	66.70
Sprint-3	ALU RRH	120.00	0.00	0.50	2.44	0.00	0.00	0.00	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	0.00	0.50	8.81	120.00	0.00	0.00	106.50
Sprint-5	ALU RRH	120.00	0.00	0.50	2.44	120.00	0.00	0.00	66.70
Sprint-6	ALU RRH	120.00	0.00	0.50	2.44	120.00	0.00	0.00	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	0.00	0.50	8.81	240.00	0.00	0.00	106.50
Sprint-8	ALU RRH	120.00	0.00	0.50	2.44	240.00	0.00	0.00	66.70
Sprint-9	ALU RRH	120.00	0.00	0.50	2.44	240.00	0.00	0.00	66.70
115-A	3` Stand-Off	113.34	0.00	0.50	1.50	0.00	0.00	0.00	75.00
NEU-17	12` Omni	113.34	0.00	0.50	2.40	0.00	0.00	0.00	170.00
85-A	3` Stand-Off	86.66	0.00	0.50	1.50	0.00	0.00	0.00	75.00
CSP-66	RFS PD1142 w/ ice	80.00	0.00	0.50	2.80	0.00	0.00	0.00	21.50
DOT-56	Dipole	80.00	0.00	0.50	6.00	120.00	0.00	0.00	71.00
DEP-54	RFS PD1142 w/ ice	80.00	0.00	0.50	2.80	240.00	0.00	0.00	21.50
GPS-68	GPS	60.00	0.00	0.50	1.00	240.00	0.00	0.00	20.00
GPS-69	GPS	60.00	0.00	0.50	1.00	120.00	0.00	0.00	20.00
GPS-53	GPS	20.00	0.00	0.50	1.00	0.00	0.00	0.00	20.00
Verizon-D1	Diplexer	133.34	0.00	0.50	0.50	0.00	0.00	0.00	10.00

Verizon-D2	Diplexer	133.34	0.00	0.50	0.50	0.00			0.00	0.00	10.00
Verizon-D3	Diplexer	133.34	0.00	0.50	0.50	120.00			0.00	0.00	10.00
Verizon-D4	Diplexer	133.34	0.00	0.50	0.50	120.00			0.00	0.00	10.00
Verizon-D5	Diplexer	133.34	0.00	0.50	0.50	240.00			0.00	0.00	10.00
Verizon-D6	Diplexer	133.34	0.00	0.50	0.50	240.00			0.00	0.00	10.00

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	56.58	40.54	30.38	163.7	0.59	1.00	1.00	0.75	1.81	87.0	0	0.00	2.00	0.00	1.20	0.00	0	0	4869
B	160.00	140.00	150.00	0.00	0.50	76.52	48.46	38.20	191.0	0.65	1.00	1.00	0.79	1.78	114.7	0	0.00	2.00	0.00	1.20	0.00	0	0	6622
C	140.00	120.00	130.00	0.00	0.50	97.73	49.93	40.11	218.3	0.68	1.00	1.00	0.80	1.78	137.8	0	0.00	2.00	0.00	1.20	0.00	0	0	8774
D	120.00	100.00	110.00	0.00	0.50	100.24	58.49	45.80	245.5	0.65	1.00	1.00	0.78	1.78	146.0	0	0.00	2.00	0.00	1.20	0.00	0	0	9748
E	100.00	80.00	90.00	0.00	0.50	109.01	63.28	48.95	272.8	0.63	1.00	1.00	0.77	1.79	158.0	0	0.00	2.00	0.00	1.20	0.00	0	0	12667
F	80.00	60.00	70.00	0.00	0.50	109.32	64.43	47.75	300.0	0.58	1.00	1.00	0.74	1.82	157.1	0	0.00	2.00	0.00	1.20	0.00	0	0	13039
G	60.00	40.00	50.00	0.00	0.50	111.79	71.66	52.33	327.3	0.56	1.00	1.00	0.73	1.83	164.1	0	0.00	2.00	0.00	1.20	0.00	0	0	15155
H	40.00	20.00	30.00	0.00	0.50	117.39	72.90	52.26	354.6	0.54	1.00	1.00	0.72	1.86	169.7	0	0.00	2.00	0.00	1.20	0.00	0	0	15936
I	20.00	0.00	10.00	0.00	0.50	118.53	79.21	55.98	381.9	0.52	1.00	1.00	0.71	1.88	174.5	0	0.00	2.00	0.00	1.20	0.00	0	0	17462

*** Analysis Results:

Maximum element usage is 95.45% for Angle "Rohn-DC21" 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	28.39	1.659	-1.365	-1.365	-0.409	1.468	1.659	1.043	-0.162
Rohn-D1	Rohn-DA11	40.20	1.612	-1.932	1.612	1.400	-0.082	-1.643	-1.932	-0.161
Rohn-D1	Rohn-DA12	40.38	0.140	-1.941	-0.471	-1.281	-1.941	-0.770	0.140	-0.164
Rohn-D1	Rohn-DA2P	27.99	1.688	-1.346	1.028	1.688	1.549	-0.355	-1.346	-0.160
Rohn-D1	Rohn-DA21	34.92	0.146	-1.679	0.146	-0.631	-1.679	-1.154	-0.470	-0.161
Rohn-D1	Rohn-DA22	43.70	1.770	-2.100	-2.100	-1.693	0.099	1.628	1.770	-0.165
Rohn-D1	Rohn-DA3P	38.26	2.336	-1.729	-1.729	-0.721	1.643	2.336	1.832	0.054
Rohn-D1	Rohn-DA31	47.79	2.271	-2.159	2.271	2.042	0.241	-1.754	-2.159	0.058
Rohn-D1	Rohn-DA32	36.04	1.095	-1.628	-0.982	-1.628	-1.626	0.147	1.095	0.060
Rohn-D1	Rohn-DA4P	34.54	2.341	-1.561	1.669	2.341	1.934	-0.434	-1.561	0.055
Rohn-D1	Rohn-DA41	44.61	1.069	-2.016	1.069	-0.065	-2.016	-1.812	-0.965	0.056
Rohn-D1	Rohn-DA42	36.88	1.784	-1.666	-1.666	-1.288	0.314	1.653	1.784	0.060
Rohn-D1	Rohn-DA5P	27.50	2.234	-1.169	-1.169	0.071	2.234	2.063	1.167	-0.001
Rohn-D1	Rohn-DA51	58.70	2.489	-2.496	2.489	2.457	0.652	-1.812	-2.496	-0.004
Rohn-D1	Rohn-DA52	51.38	1.433	-2.185	-1.427	-2.185	-2.028	0.264	1.433	0.006
Rohn-D1	Rohn-DA6P	29.62	1.923	-1.260	1.250	1.923	1.805	-0.224	-1.260	-0.005
Rohn-D1	Rohn-DA61	66.61	1.241	-2.833	1.241	-0.300	-2.833	-2.433	-1.246	0.001
Rohn-D1	Rohn-DA62	52.16	2.219	-2.218	-2.218	-1.992	-0.193	1.795	2.219	0.004
Rohn-D1	Rohn-DA7P	41.54	2.110	-1.664	1.367	2.110	1.902	-0.482	-1.664	-0.148
Rohn-D1	Rohn-DA71	67.03	0.998	-2.686	0.998	-0.376	-2.686	-2.319	-1.276	-0.137
Rohn-D1	Rohn-DA72	71.90	2.606	-2.881	-2.881	-2.530	-0.233	2.153	2.606	-0.137
Rohn-D1	Rohn-DA8P	41.80	2.607	-1.675	-1.675	-0.138	2.607	2.477	1.388	-0.144
Rohn-D1	Rohn-DA81	64.18	2.283	-2.572	2.283	2.088	0.187	-2.054	-2.572	-0.143
Rohn-D1	Rohn-DA82	59.48	0.927	-2.383	-1.203	-2.101	-2.383	-0.290	0.927	-0.136
Rohn-D2	Rohn-DB1P	42.92	3.349	-2.451	-2.451	-0.456	3.297	3.349	2.009	-0.226
Rohn-D2	Rohn-DB11	63.57	3.181	-3.631	3.181	2.779	-0.009	-3.027	-3.631	-0.222
Rohn-D2	Rohn-DB12	59.81	1.880	-3.415	-2.299	-3.415	-3.240	0.162	1.880	-0.210
Rohn-D2	Rohn-DB2P	42.78	3.123	-2.443	1.995	3.123	2.865	-0.667	-2.443	-0.229
Rohn-D2	Rohn-DB21	65.28	1.886	-3.728	1.886	-0.073	-3.728	-3.673	-2.314	-0.214
Rohn-D2	Rohn-DB22	62.65	3.140	-3.578	-3.578	-3.199	-0.444	2.521	3.140	-0.215
Rohn-D2	Rohn-DB3P	47.55	3.554	-2.565	-2.565	-0.765	3.039	3.554	2.491	-0.030
Rohn-D2	Rohn-DB31	58.73	3.110	-3.168	3.110	3.040	0.794	-2.285	-3.168	-0.029
Rohn-D2	Rohn-DB32	60.82	1.524	-3.280	-1.564	-2.846	-3.280	-0.233	1.524	-0.015
Rohn-D2	Rohn-DB4P	47.64	3.335	-2.570	2.489	3.335	2.600	-0.990	-2.570	-0.034
Rohn-D2	Rohn-DB41	68.82	1.512	-3.712	1.512	-0.454	-3.712	-3.061	-1.560	-0.019
Rohn-D2	Rohn-DB42	58.80	3.127	-3.171	-3.171	-2.505	0.359	2.833	3.127	-0.022
Rohn-D2	Rohn-DB5P	56.77	5.108	-2.895	-2.895	-0.251	4.876	5.108	3.361	0.229
Rohn-D2	Rohn-DB51	88.52	4.965	-4.514	4.965	4.525	0.720	-3.566	-4.514	0.230
Rohn-D2	Rohn-DB52	83.56	2.763	-4.261	-2.285	-4.045	-4.261	0.262	2.763	0.243
Rohn-D2	Rohn-DB6P	56.97	4.901	-2.905	3.363	4.901	4.453	-0.472	-2.905	0.226
Rohn-D2	Rohn-DB61	91.36	2.764	-4.658	2.764	0.068	-4.658	-4.254	-2.297	0.238
Rohn-D2	Rohn-DB62	88.69	4.990	-4.522	-4.522	-3.774	0.323	4.344	4.990	0.239
Rohn-D8	Rohn-DB7P	43.26	5.143	-3.898	-3.898	-0.652	5.143	4.750	2.458	-0.725
Rohn-D8	Rohn-DB71	72.51	5.052	-6.534	5.052	4.139	-0.829	-5.733	-6.534	-0.726
Rohn-D8	Rohn-DB72	69.29	2.952	-6.244	-4.373	-6.244	-5.846	0.030	2.952	-0.709
Rohn-D8	Rohn-DB8P	42.96	4.764	-3.872	2.421	4.533	4.764	-0.819	-3.872	-0.730
Rohn-D8	Rohn-DB81	71.98	2.943	-6.487	2.943	-0.208	-6.317	-6.487	-4.380	-0.716
Rohn-D8	Rohn-DB82	71.65	5.001	-6.457	-6.457	-5.857	-1.211	3.896	5.001	-0.714
Rohn-D3	Rohn-DC1P	72.44	4.660	-5.757	-5.757	-2.903	3.445	4.660	3.100	-1.323
Rohn-D3	Rohn-DC11	84.95	4.139	-6.751	4.113	4.139	0.424	-5.075	-6.751	-1.332
Rohn-D3	Rohn-DC12	89.92	0.682	-7.146	-3.311	-5.715	-7.146	-2.352	0.682	-1.313
Rohn-D3	Rohn-DC2P	72.92	4.440	-5.795	3.122	4.440	2.961	-3.179	-5.795	-1.330
Rohn-D3	Rohn-DC21	95.45	0.651	-7.585	0.651	-2.591	-7.585	-5.925	-3.299	-1.322
Rohn-D3	Rohn-DC22	85.25	4.166	-6.775	-6.775	-5.343	-0.062	3.935	4.166	-1.316

Rohn-D3	Rohn-DC3P	71.88	7.817	-3.220	-3.220	0.334	7.347	7.817	5.545	1.159
Rohn-D3	Rohn-DC31	74.54	7.840	-5.563	7.840	7.288	2.022	-4.143	-5.563	1.155
Rohn-D3	Rohn-DC32	72.71	4.326	-5.426	-2.014	-4.653	-5.426	0.764	4.326	1.166
Rohn-D3	Rohn-DC4P	69.99	7.611	-3.224	5.533	7.611	6.947	0.132	-3.224	1.151
Rohn-D3	Rohn-DC41	76.55	4.355	-5.713	4.355	0.649	-5.713	-4.827	-2.050	1.162
Rohn-D3	Rohn-DC42	75.47	7.935	-5.632	-5.632	-4.354	1.729	7.218	7.935	1.167
Rohn-D3a	Rohn-DC5P	53.72	5.240	-4.909	-4.909	-1.272	5.240	4.680	2.115	-1.409
Rohn-D3a	Rohn-DC51	89.49	5.328	-8.177	5.328	4.267	-1.511	-7.214	-8.177	-1.407
Rohn-D3a	Rohn-DC52	83.46	2.608	-7.626	-5.380	-7.626	-7.477	-0.797	2.608	-1.394
Rohn-D3a	Rohn-DC6P	53.82	4.954	-4.918	2.115	4.540	4.954	-1.422	-4.918	-1.413
Rohn-D3a	Rohn-DC61	85.41	2.603	-7.805	2.603	-0.962	-7.805	-7.798	-5.389	-1.400
Rohn-D3a	Rohn-DC62	88.95	5.298	-8.128	-8.128	-7.320	-1.806	4.089	5.298	-1.396
Rohn-D4b	Rohn-DD1P	60.74	5.728	-7.485	-7.485	-3.289	5.148	5.728	3.113	-2.181
Rohn-D4b	Rohn-DD11	83.59	5.931	-10.301	5.931	5.256	-1.030	-8.526	-10.301	-2.179
Rohn-D4b	Rohn-DD12	82.71	1.407	-10.192	-5.738	-8.927	-10.192	-2.860	1.407	-2.161
Rohn-D4b	Rohn-DD2P	60.78	5.573	-7.490	3.105	5.573	4.845	-3.444	-7.490	-2.187
Rohn-D4b	Rohn-DD21	85.04	1.397	-10.479	1.397	-3.007	-10.479	-9.072	-5.740	-2.166
Rohn-D4b	Rohn-DD22	83.64	5.959	-10.307	-10.307	-8.675	-1.312	5.135	5.959	-2.167
Rohn-D4	Rohn-DD3P	56.40	8.178	-2.249	-2.249	1.438	8.178	7.761	5.245	1.483
Rohn-D4	Rohn-DD31	66.28	8.285	-5.383	8.285	7.269	1.525	-4.326	-5.383	1.487
Rohn-D4	Rohn-DD32	59.41	5.419	-4.825	-2.398	-4.746	-4.825	1.948	5.419	1.504
Rohn-D4	Rohn-DD4P	54.54	7.908	-2.257	5.242	7.626	7.908	1.297	-2.257	1.478
Rohn-D4	Rohn-DD41	62.81	5.417	-5.101	5.417	1.810	-5.101	-4.890	-2.404	1.500
Rohn-D4	Rohn-DD42	66.07	8.285	-5.366	-5.366	-4.444	1.265	7.135	8.285	1.496
Rohn-D4a	Rohn-DD5P	63.49	4.794	-5.938	-5.938	-2.447	4.474	4.794	2.635	-1.650
Rohn-D4a	Rohn-DD51	89.03	4.956	-8.326	4.956	4.339	-0.812	-6.914	-8.326	-1.647
Rohn-D4a	Rohn-DD52	88.26	1.537	-8.255	-4.808	-7.380	-8.255	-1.957	1.537	-1.629
Rohn-D4a	Rohn-DD6P	63.51	4.658	-5.940	2.628	4.658	4.206	-2.583	-5.940	-1.654
Rohn-D4a	Rohn-DD61	91.11	1.528	-8.521	1.528	-2.094	-8.521	-7.514	-4.811	-1.634
Rohn-D4a	Rohn-DD62	89.00	4.970	-8.324	-8.324	-7.041	-1.065	4.221	4.970	-1.637
Rohn-D5	Rohn-DE1P	45.69	2.816	-5.844	-5.844	-2.981	2.697	2.816	1.030	-2.387
Rohn-D5	Rohn-DE11	60.80	2.952	-7.777	2.952	2.388	-1.799	-6.656	-7.777	-2.385
Rohn-D5	Rohn-DE12	60.45	0.302	-7.733	-5.058	-7.072	-7.733	-2.524	0.302	-2.368
Rohn-D5	Rohn-DE2P	45.75	2.693	-5.852	1.027	2.693	2.451	-3.110	-5.852	-2.392
Rohn-D5	Rohn-DE21	62.42	0.297	-7.985	0.297	-2.651	-7.985	-7.202	-5.063	-2.373
Rohn-D5	Rohn-DE22	60.68	2.956	-7.762	-7.762	-6.763	-2.034	2.269	2.956	-2.375
Rohn-D5	Rohn-DE3P	48.92	7.949	-0.721	-0.721	2.341	7.949	7.459	5.401	2.315
Rohn-D5	Rohn-DE31	48.51	7.882	-3.318	7.882	7.017	2.341	-2.430	-3.318	2.316
Rohn-D5	Rohn-DE32	34.69	5.637	-2.950	-0.919	-2.833	-2.950	2.770	5.637	2.332
Rohn-D5	Rohn-DE4P	47.40	7.702	-0.728	5.398	7.336	7.702	2.212	-0.728	2.311
Rohn-D5	Rohn-DE41	34.66	5.632	-3.181	5.632	2.652	-3.181	-2.951	-0.923	2.327
Rohn-D5	Rohn-DE42	48.63	7.902	-3.322	-3.322	-2.549	2.113	6.916	7.902	2.325
Rohn-D5	Rohn-DE5P	55.84	3.267	-6.414	-6.414	-3.056	3.267	2.816	0.517	-2.935
Rohn-D5	Rohn-DE51	80.69	3.366	-9.268	3.366	2.401	-2.924	-8.275	-9.268	-2.935
Rohn-D5	Rohn-DE52	77.08	0.639	-8.854	-6.539	-8.661	-8.854	-2.582	0.639	-2.922
Rohn-D5	Rohn-DE6P	55.71	3.051	-6.399	0.494	2.691	3.051	-3.150	-6.399	-2.939
Rohn-D5	Rohn-DE61	79.33	0.637	-9.112	0.637	-2.711	-9.112	-8.794	-6.545	-2.926
Rohn-D5	Rohn-DE62	80.35	3.344	-9.229	-9.229	-8.346	-3.128	2.275	3.344	-2.927
Rohn-D6	Rohn-DF1P	53.80	8.742	-3.906	-3.906	0.552	8.742	8.048	5.074	0.542
Rohn-D6	Rohn-DF11	55.68	8.889	-7.958	8.889	7.656	0.689	-6.571	-7.958	0.540
Rohn-D6	Rohn-DF12	51.53	5.231	-7.365	-4.084	-6.988	-7.365	0.997	5.231	0.554
Rohn-D6	Rohn-DF2P	52.08	8.462	-3.913	5.072	7.909	8.462	0.408	-3.913	0.537
Rohn-D6	Rohn-DF21	53.77	5.207	-7.684	5.207	0.819	-7.684	-7.136	-4.071	0.549
Rohn-D6	Rohn-DF22	55.43	8.869	-7.922	-7.922	-6.693	0.387	7.483	8.869	0.549
Rohn-D6	Rohn-DF3P	49.51	7.444	-6.644	-6.644	-1.717	7.444	6.778	3.516	-1.559
Rohn-D6	Rohn-DF31	81.90	7.723	-10.991	7.723	6.377	-1.305	-9.392	-10.991	-1.561
Rohn-D6	Rohn-DF32	77.93	3.427	-10.458	-6.508	-9.778	-10.458	-1.314	3.427	-1.552
Rohn-D6	Rohn-DF4P	49.53	7.146	-6.647	3.510	6.627	7.146	-1.867	-6.647	-1.563
Rohn-D6	Rohn-DF41	80.01	3.429	-10.738	3.429	-1.452	-10.738	-9.922	-6.514	-1.554
Rohn-D6	Rohn-DF42	81.94	7.741	-10.997	-10.997	-9.535	-1.577	6.253	7.741	-1.555
Rohn-D6	Rohn-DG1P	49.25	7.701	-6.213	-6.213	-1.414	7.701	7.239	4.107	-1.067
Rohn-D6	Rohn-DG11	82.16	8.122	-10.366	8.122	6.896	-0.595	-8.692	-10.366	-1.068
Rohn-D6	Rohn-DG12	78.88	3.630	-9.952	-5.750	-9.045	-9.952	-1.058	3.630	-1.062
Rohn-D6	Rohn-DG2P	49.26	7.435	-6.215	4.104	7.105	7.435	-1.549	-6.215	-1.069
Rohn-D6	Rohn-DG21	81.03	3.628	-10.223	3.628	-1.194	-10.223	-9.182	-5.753	-1.064
Rohn-D6	Rohn-DG22	82.10	8.122	-10.358	-10.358	-8.816	-0.855	6.763	8.122	-1.064

Rohn-D6	Rohn-DG3P	52.69	8.562	-5.177	-5.177	-0.440	8.562	8.135	5.080	-0.055
Rohn-D6	Rohn-DG31	77.80	8.990	-9.238	8.990	7.799	0.455	-7.557	-9.238	-0.056
Rohn-D6	Rohn-DG32	74.61	4.526	-8.860	-4.610	-7.881	-8.860	-0.099	4.526	-0.051
Rohn-D6	Rohn-DG4P	51.12	8.307	-5.178	5.077	8.007	8.307	-0.568	-5.178	-0.057
Rohn-D6	Rohn-DG41	76.73	4.524	-9.112	4.524	-0.227	-9.112	-8.008	-4.611	-0.053
Rohn-D6	Rohn-DG42	77.79	8.995	-9.238	-9.238	-7.680	0.210	7.679	8.995	-0.052
Rohn-D7	Rohn-DH1P	46.75	5.800	-7.596	-7.596	-2.908	5.800	5.015	1.905	-2.863
Rohn-D7	Rohn-DH11	73.41	6.039	-11.928	6.039	4.703	-2.705	-10.424	-11.928	-2.863
Rohn-D7	Rohn-DH12	70.12	1.920	-11.393	-7.633	-10.735	-11.393	-2.584	1.920	-2.858
Rohn-D7	Rohn-DH2P	46.76	5.559	-7.598	1.904	4.894	5.559	-3.030	-7.598	-2.864
Rohn-D7	Rohn-DH21	71.60	1.919	-11.635	1.919	-2.706	-11.635	-10.857	-7.636	-2.859
Rohn-D7	Rohn-DH22	73.38	6.041	-11.924	-11.924	-10.539	-2.938	4.587	6.041	-2.859
Rohn-D7	Rohn-DH3P	59.87	9.729	-3.455	-3.455	0.968	9.655	9.729	7.080	1.799
Rohn-D7	Rohn-DH31	63.40	10.302	-6.883	10.302	9.423	2.859	-5.024	-6.883	1.799
Rohn-D7	Rohn-DH32	42.96	5.680	-6.830	-2.019	-5.315	-6.830	1.272	5.680	1.803
Rohn-D7	Rohn-DH4P	59.17	9.615	-3.456	7.078	9.615	9.427	0.853	-3.456	1.798
Rohn-D7	Rohn-DH41	44.39	5.678	-7.058	5.678	1.157	-7.058	-5.429	-2.020	1.802
Rohn-D7	Rohn-DH42	63.42	10.305	-6.881	-6.881	-5.134	2.638	9.314	10.305	1.802
Rohn-D7	Rohn-DI1P	63.36	0.634	-9.511	-9.511	-6.062	0.634	0.473	-1.682	-5.591
Rohn-D7	Rohn-DI11	81.83	0.956	-12.284	0.956	0.165	-5.039	-10.970	-12.284	-5.591
Rohn-D7	Rohn-DI12	80.94	0.000	-12.150	-8.841	-11.262	-12.150	-5.749	-2.379	-5.587
Rohn-D7	Rohn-DI2P	63.37	0.413	-9.513	-1.683	0.363	0.413	-6.173	-9.513	-5.592
Rohn-D7	Rohn-DI21	82.40	0.000	-12.370	-2.380	-5.859	-12.370	-11.372	-8.842	-5.588
Rohn-D7	Rohn-DI22	81.82	0.958	-12.282	-12.282	-11.076	-5.254	0.058	0.958	-5.589
Rohn-D7	Rohn-DI3P	74.99	12.186	0.000	2.521	5.421	11.523	12.186	10.690	6.579
Rohn-D7	Rohn-DI31	74.99	12.186	0.000	12.186	11.922	8.022	2.428	0.847	6.580
Rohn-D7	Rohn-DI32	53.49	8.692	0.000	4.589	2.162	0.504	5.692	8.692	6.582
Rohn-D7	Rohn-DI4P	74.40	12.090	0.000	10.689	12.090	11.331	5.324	2.521	6.578
Rohn-D7	Rohn-DI41	53.48	8.690	0.000	8.690	5.595	0.311	2.065	4.588	6.580
Rohn-D7	Rohn-DI42	75.00	12.187	0.000	0.848	2.334	7.833	11.828	12.187	6.581
Rohn-L1	Rohn-LA1P	2.37	0.000	-2.141	-0.310	-1.193	-2.141	-1.207	-0.328	-0.333
Rohn-L1	Rohn-LA11	1.67	0.985	-1.504	-1.504	-0.964	0.421	0.985	0.770	-0.385
Rohn-L1	Rohn-LA12	1.96	0.903	-1.766	0.683	0.903	0.286	-1.191	-1.766	-0.563
Rohn-L1	Rohn-LA2P	7.05	0.000	-6.367	-0.810	-3.450	-6.367	-3.620	-1.008	-0.937
Rohn-L1	Rohn-LA21	5.95	4.463	-5.369	-5.369	-3.363	2.012	4.463	3.757	-0.832
Rohn-L1	Rohn-LA22	5.78	3.997	-5.218	3.390	3.997	1.644	-3.373	-5.218	-0.940
Rohn-L1	Rohn-LA3P	11.65	0.000	-10.522	-0.958	-5.524	-10.522	-5.599	-1.044	-1.028
Rohn-L1	Rohn-LA31	10.43	8.419	-9.420	-9.420	-5.871	3.833	8.419	7.257	-1.121
Rohn-L1	Rohn-LA32	10.18	8.334	-9.192	7.220	8.334	3.809	-5.718	-9.192	-1.015
Rohn-L1	Rohn-LA4P	17.09	0.000	-15.428	-1.060	-7.944	-15.428	-7.869	-0.972	-1.041
Rohn-L1	Rohn-LA41	14.33	12.441	-12.937	-12.937	-7.853	5.987	12.441	10.774	-1.122
Rohn-L1	Rohn-LA42	14.52	12.664	-13.113	10.947	12.664	6.147	-7.922	-13.113	-1.119
Rohn-L2a	Rohn-LB1P	12.90	0.000	-21.621	-1.622	-11.153	-21.621	-11.151	-1.615	-1.652
Rohn-L2a	Rohn-LB11	12.75	17.540	-18.124	-18.124	-10.955	8.525	17.540	15.189	-1.517
Rohn-L2a	Rohn-LB12	12.77	17.564	-18.058	15.217	17.564	8.576	-10.887	-18.058	-1.464
Rohn-L2a	Rohn-LB2P	16.62	0.000	-27.860	-1.997	-14.262	-27.860	-14.269	-1.999	-2.040
Rohn-L2a	Rohn-LB21	16.49	22.686	-23.429	-23.429	-14.153	11.068	22.686	19.695	-1.920
Rohn-L2a	Rohn-LB22	16.52	22.729	-23.399	19.741	22.729	11.123	-14.111	-23.399	-1.877
Rohn-L2a	Rohn-LB3P	21.82	0.000	-36.563	-3.378	-19.087	-36.563	-19.084	-3.368	-3.426
Rohn-L2a	Rohn-LB31	20.46	28.149	-30.790	-30.790	-18.918	13.349	28.149	24.335	-3.300
Rohn-L2a	Rohn-LB32	20.48	28.185	-30.771	24.369	28.185	13.402	-18.884	-30.771	-3.269
Rohn-L2a	Rohn-LB4P	27.16	0.000	-45.514	-2.960	-23.093	-45.514	-23.120	-2.985	-3.020
Rohn-L2a	Rohn-LB41	27.40	37.700	-37.958	-37.958	-22.725	18.695	37.700	32.801	-2.660
Rohn-L2a	Rohn-LB42	27.38	37.672	-37.922	32.788	37.672	18.697	-22.694	-37.922	-2.643
Rohn-L3a	Rohn-LC1P	24.79	0.000	-54.949	-2.756	-27.368	-54.949	-27.367	-2.746	-2.809
Rohn-L3a	Rohn-LC11	28.12	46.568	-46.026	-46.026	-27.351	23.403	46.568	40.631	-2.775
Rohn-L3a	Rohn-LC12	28.32	46.902	-45.737	40.962	46.902	23.750	-27.038	-45.737	-2.460
Rohn-L3a	Rohn-LC2P	32.31	0.000	-71.542	-6.604	-37.193	-71.542	-37.178	-6.577	-6.665
Rohn-L3a	Rohn-LC21	33.01	54.655	-60.341	-60.341	-37.139	25.936	54.655	47.296	-6.637
Rohn-L3a	Rohn-LC22	33.17	54.929	-60.166	47.557	54.929	26.217	-36.926	-60.166	-6.416
Rohn-L3a	Rohn-LC3P	37.37	0.000	-82.849	-4.300	-41.269	-82.849	-41.280	-4.302	-4.354
Rohn-L3a	Rohn-LC31	42.13	69.768	-69.309	-69.309	-41.242	35.057	69.768	60.866	-4.335
Rohn-L3a	Rohn-LC32	42.23	69.937	-69.087	61.041	69.937	35.266	-41.017	-69.087	-4.132
Rohn-L4a	Rohn-LD1P	52.59	0.000	-96.989	-5.052	-48.236	-96.989	-48.251	-5.057	-5.129
Rohn-L4a	Rohn-LD11	50.47	81.351	-81.005	-81.005	-48.194	40.951	81.351	70.998	-5.127
Rohn-L4a	Rohn-LD12	50.58	81.541	-80.830	71.190	81.541	41.162	-48.004	-80.830	-4.941

Rohn-L4a	Rohn-LD2P	62.65	0.000	-115.451	-9.230	-59.047	-115.451	-59.058	-9.229	-9.286
Rohn-L4a	Rohn-LD21	56.28	90.718	-96.667	-96.667	-58.782	44.174	90.718	78.805	-9.061
Rohn-L4a	Rohn-LD22	56.38	90.880	-96.494	78.968	90.880	44.367	-58.597	-96.494	-8.890
Rohn-L4a	Rohn-LD3P	67.55	0.000	-124.587	-6.612	-61.838	-124.587	-61.853	-6.616	-6.676
Rohn-L4a	Rohn-LD31	64.62	104.171	-103.679	-103.679	-61.622	52.657	104.171	91.005	-6.474
Rohn-L4a	Rohn-LD32	64.72	104.328	-103.529	91.164	104.328	52.838	-61.457	-103.529	-6.316
Rohn-L5a	Rohn-LE1P	55.35	0.000	-135.517	-6.784	-66.927	-135.517	-66.936	-6.782	-6.858
Rohn-L5a	Rohn-LE11	49.73	113.775	-112.585	-112.585	-66.727	57.826	113.775	99.498	-6.677
Rohn-L5a	Rohn-LE12	49.79	113.914	-112.440	99.638	113.914	57.994	-66.570	-112.440	-6.532
Rohn-L5a	Rohn-LE2P	61.30	0.000	-149.960	-11.446	-76.032	-149.960	-76.040	-11.443	-11.489
Rohn-L5a	Rohn-LE21	51.57	117.983	-125.133	-125.133	-75.838	58.041	117.983	102.708	-11.325
Rohn-L5a	Rohn-LE22	51.63	118.121	-125.010	102.845	118.121	58.202	-75.698	-125.010	-11.193
Rohn-L5a	Rohn-LE3P	63.69	0.000	-155.940	-7.421	-76.535	-155.940	-76.557	-7.434	-7.506
Rohn-L5a	Rohn-LE31	57.30	131.098	-129.129	-129.129	-76.302	67.108	131.098	114.815	-7.282
Rohn-L5a	Rohn-LE32	57.34	131.200	-128.998	114.923	131.200	67.238	-76.167	-128.998	-7.160
Rohn-L6a	Rohn-LF1P	80.37	0.000	-174.400	-11.667	-87.239	-174.400	-87.259	-11.679	-11.680
Rohn-L6a	Rohn-LF11	66.77	139.895	-144.890	-144.890	-87.074	70.001	139.895	122.140	-11.517
Rohn-L6a	Rohn-LF12	66.70	140.032	-144.722	122.283	140.032	70.166	-86.903	-144.722	-11.358
Rohn-L6a	Rohn-LF2P	75.63	0.000	-191.528	-9.993	-94.070	-191.528	-94.074	-9.986	-10.019
Rohn-L6a	Rohn-LF21	62.51	158.526	-158.322	-158.322	-93.898	81.053	158.526	138.889	-9.866
Rohn-L6a	Rohn-LF22	62.46	158.682	-158.187	139.042	158.682	81.227	-93.746	-158.187	-9.719
Rohn-L7a	Rohn-LG1P	69.83	0.000	-212.443	-11.849	-104.521	-212.443	-104.528	-11.847	-11.871
Rohn-L7a	Rohn-LG11	57.69	173.813	-175.514	-175.514	-104.385	88.685	173.813	152.277	-11.744
Rohn-L7a	Rohn-LG12	57.65	173.947	-175.379	152.411	173.947	88.840	-104.239	-175.379	-11.607
Rohn-L7a	Rohn-LG2P	76.46	0.000	-232.586	-13.709	-114.619	-232.586	-114.626	-13.709	-13.722
Rohn-L7a	Rohn-LG21	63.12	188.432	-192.023	-192.023	-114.481	95.968	188.432	165.076	-13.599
Rohn-L7a	Rohn-LG22	63.08	188.564	-191.897	165.208	188.564	96.116	-114.345	-191.897	-13.468
Rohn-L7a	Rohn-LH1P	69.91	0.000	-248.942	-12.340	-121.213	-248.942	-121.219	-12.339	-12.341
Rohn-L7a	Rohn-LH11	65.28	205.758	-204.848	-204.848	-121.086	106.209	205.758	180.652	-12.223
Rohn-L7a	Rohn-LH12	65.32	205.882	-204.724	180.776	205.882	106.348	-120.955	-204.724	-12.096
Rohn-L7a	Rohn-LH2P	75.96	0.000	-270.496	-17.759	-133.860	-270.496	-133.865	-17.759	-17.741
Rohn-L7a	Rohn-LH21	68.15	214.794	-223.145	-223.145	-133.734	108.855	214.794	188.112	-17.628
Rohn-L7a	Rohn-LH22	68.19	214.914	-223.027	188.233	214.914	108.988	-133.609	-223.027	-17.506
Rohn-L8a	Rohn-LI1P	62.69	0.000	-279.467	-12.447	-134.926	-279.467	-134.931	-12.447	-12.458
Rohn-L8a	Rohn-LI11	59.03	232.817	-229.205	-229.205	-134.787	121.293	232.817	204.762	-12.329
Rohn-L8a	Rohn-LI12	59.06	232.933	-229.089	204.879	232.933	121.420	-134.666	-229.089	-12.210
Rohn-L8a	Rohn-LI2P	61.21	0.000	-302.460	-24.731	-151.971	-302.460	-151.975	-24.731	-24.692
Rohn-L8a	Rohn-LI21	58.34	230.076	-250.001	-250.001	-151.841	114.361	230.076	200.997	-24.566
Rohn-L8a	Rohn-LI22	58.37	230.190	-249.888	201.111	230.190	114.483	-151.724	-249.888	-24.451
Rohn-H1	Rohn-H1P	42.57	0.000	-3.049	-2.820	-3.049	-3.022	-2.460	-2.141	-2.499
Rohn-H1	Rohn-H11	35.08	0.000	-2.512	-2.512	-2.110	-1.690	-2.054	-2.447	-2.499
Rohn-H1	Rohn-H12	43.86	0.000	-3.141	-2.081	-2.443	-3.095	-3.141	-2.883	-2.500
Rohn-H1	Rohn-H2P	47.55	0.000	-2.438	-2.438	-2.400	-2.160	-1.941	-1.910	-2.187
Rohn-H1	Rohn-H21	44.20	0.000	-2.266	-2.075	-2.080	-2.153	-2.247	-2.266	-2.185
Rohn-H1	Rohn-H22	48.26	0.000	-2.475	-1.871	-1.860	-2.070	-2.389	-2.475	-2.186
SNB-D1	SNB-DA1P	3.52	0.314	-0.638	-0.638	-0.295	0.296	0.314	0.075	-0.287
SNB-D1	SNB-DA11	4.22	0.195	-0.764	0.195	0.119	-0.274	-0.701	-0.764	-0.289
SNB-D1	SNB-DA12	3.69	0.016	-0.669	-0.588	-0.669	-0.541	-0.136	0.016	-0.292
SNB-D1	SNB-DA2P	3.33	0.220	-0.604	0.036	0.220	0.184	-0.318	-0.604	-0.288
SNB-D1	SNB-DA21	3.20	0.000	-0.581	-0.028	-0.133	-0.452	-0.581	-0.541	-0.290
SNB-D1	SNB-DA22	5.41	0.410	-0.980	-0.980	-0.903	-0.297	0.299	0.410	-0.289
SNB-D1	SNB-DA3P	6.81	1.234	-0.150	-0.150	0.408	1.234	0.994	0.527	0.187
SNB-D1	SNB-DA31	6.45	1.169	-0.789	1.169	1.065	0.266	-0.616	-0.789	0.190
SNB-D1	SNB-DA32	4.20	0.591	-0.762	-0.223	-0.627	-0.762	0.077	0.591	0.184
SNB-D1	SNB-DA4P	7.42	1.345	-0.397	0.778	1.262	1.345	0.255	-0.397	0.189
SNB-D1	SNB-DA41	4.25	0.621	-0.770	0.621	0.094	-0.770	-0.649	-0.245	0.188
SNB-D1	SNB-DA42	5.06	0.916	-0.548	-0.548	-0.481	0.119	0.778	0.916	0.184
SNB-D1	SNB-DA5P	5.53	1.003	-0.590	-0.590	-0.051	0.964	1.003	0.640	0.022
SNB-D1	SNB-DA51	7.82	1.417	-1.376	1.417	1.155	-0.096	-1.239	-1.376	0.019
SNB-D1	SNB-DA52	6.25	0.649	-1.133	-0.617	-1.081	-1.133	0.013	0.649	0.014
SNB-D1	SNB-DA6P	5.00	0.906	-0.473	0.529	0.873	0.906	0.024	-0.473	0.025
SNB-D1	SNB-DA61	7.74	0.925	-1.403	0.925	0.155	-1.317	-1.403	-0.888	0.016
SNB-D1	SNB-DA62	6.76	1.225	-1.193	-1.193	-0.979	0.110	1.097	1.225	0.014
SNB-D1	SNB-DA7P	7.02	1.273	-1.114	-1.114	-0.345	1.144	1.273	0.776	-0.173
SNB-D1	SNB-DA71	8.10	1.084	-1.426	1.084	1.001	0.052	-1.140	-1.426	-0.174
SNB-D1	SNB-DA72	8.39	0.405	-1.478	-0.771	-1.305	-1.478	-0.290	0.405	-0.186

SNB-D1	SNB-DA8P	6.65	1.206	-1.102	0.771	1.206	1.026	-0.392	-1.102	-0.170
SNB-D1	SNB-DA81	7.34	0.253	-1.292	0.253	-0.334	-1.292	-1.071	-0.609	-0.183
SNB-D1	SNB-DA82	10.08	1.421	-1.775	-1.775	-1.496	-0.053	1.248	1.421	-0.181
SNB-D2	SNB-DB1P	8.94	1.150	-1.232	-1.232	-0.405	1.150	1.141	0.591	-0.329
SNB-D2	SNB-DB11	14.31	1.321	-1.972	1.321	1.145	-0.154	-1.647	-1.972	-0.331
SNB-D2	SNB-DB12	13.87	0.416	-1.911	-1.080	-1.705	-1.911	-0.422	0.416	-0.340
SNB-D2	SNB-DB2P	8.90	1.177	-1.227	0.589	1.148	1.177	-0.383	-1.227	-0.326
SNB-D2	SNB-DB21	14.36	0.416	-1.979	0.416	-0.460	-1.979	-1.730	-1.073	-0.338
SNB-D2	SNB-DB22	13.77	1.238	-1.898	-1.898	-1.600	-0.182	1.066	1.238	-0.336
SNB-D2	SNB-DB3P	14.86	2.155	-0.954	-0.954	0.200	2.155	1.841	0.972	0.007
SNB-D2	SNB-DB31	17.10	2.251	-2.238	2.251	1.823	-0.184	-2.005	-2.238	0.006
SNB-D2	SNB-DB32	15.79	1.338	-2.066	-1.346	-2.066	-1.960	0.232	1.338	-0.003
SNB-D2	SNB-DB4P	14.64	2.122	-0.950	0.975	1.825	2.122	0.188	-0.950	0.010
SNB-D2	SNB-DB41	15.75	1.338	-2.061	1.338	0.225	-1.963	-2.061	-1.340	0.000
SNB-D2	SNB-DB42	17.33	2.270	-2.268	-2.268	-2.044	-0.212	1.828	2.270	0.001
SNB-D2	SNB-DB5P	18.29	2.652	-1.137	-1.137	0.056	2.426	2.652	1.919	0.388
SNB-D2	SNB-DB51	19.28	2.795	-2.018	2.795	2.606	0.765	-1.489	-2.018	0.390
SNB-D2	SNB-DB52	15.88	1.308	-1.962	-0.539	-1.508	-1.962	0.080	1.308	0.379
SNB-D2	SNB-DB6P	18.17	2.635	-1.132	1.918	2.635	2.402	0.051	-1.132	0.390
SNB-D2	SNB-DB61	15.98	1.321	-1.975	1.321	0.081	-1.975	-1.514	-0.540	0.384
SNB-D2	SNB-DB62	19.28	2.796	-2.034	-2.034	-1.515	0.742	2.603	2.796	0.382
SNB-D2	SNB-DB7P	13.40	1.046	-1.553	-1.553	-0.746	0.887	1.046	0.538	-0.502
SNB-D2	SNB-DB71	18.27	1.157	-2.119	1.157	1.044	-0.198	-1.745	-2.119	-0.493
SNB-D2	SNB-DB72	18.49	0.115	-2.144	-1.129	-1.804	-2.144	-0.748	0.115	-0.504
SNB-D2	SNB-DB8P	13.58	1.075	-1.575	0.573	1.075	0.893	-0.761	-1.575	-0.496
SNB-D2	SNB-DB81	18.53	0.101	-2.148	0.101	-0.766	-2.148	-1.785	-1.105	-0.498
SNB-D2	SNB-DB82	18.25	1.132	-2.116	-2.116	-1.769	-0.256	0.999	1.132	-0.505
SNB-D3	SNB-DC1P	22.71	1.617	-4.116	-4.116	-2.074	1.617	1.282	-0.201	-2.161
SNB-D3	SNB-DC11	33.94	1.887	-6.151	1.887	1.213	-2.287	-5.633	-6.151	-2.155
SNB-D3	SNB-DC12	31.89	0.000	-5.779	-4.305	-5.668	-5.779	-2.032	-0.018	-2.160
SNB-D3	SNB-DC2P	22.43	1.559	-4.064	-0.239	1.217	1.559	-2.058	-4.064	-2.156
SNB-D3	SNB-DC21	32.06	0.010	-5.811	0.010	-2.028	-5.811	-5.706	-4.334	-2.160
SNB-D3	SNB-DC22	34.12	1.909	-6.184	-6.184	-5.653	-2.275	1.238	1.909	-2.161
SNB-D3	SNB-DC3P	38.48	6.975	-0.360	-0.360	2.368	6.975	6.254	4.242	1.939
SNB-D3	SNB-DC31	39.66	7.188	-3.365	7.188	6.205	1.531	-2.776	-3.365	1.939
SNB-D3	SNB-DC32	27.67	5.015	-2.854	-1.137	-2.854	-2.693	2.422	5.015	1.936
SNB-D3	SNB-DC4P	38.36	6.952	-0.364	4.249	6.245	6.952	2.355	-0.364	1.941
SNB-D3	SNB-DC41	27.42	4.969	-2.803	4.969	2.385	-2.682	-2.803	-1.085	1.939
SNB-D3	SNB-DC42	39.90	7.232	-3.416	-3.416	-2.851	1.471	6.216	7.232	1.936
SNB-D3	SNB-DC5P	27.42	3.160	-4.954	-4.954	-2.335	2.810	3.160	1.504	-1.723
SNB-D3	SNB-DC51	39.17	3.636	-7.077	3.636	3.146	-1.046	-5.979	-7.077	-1.726
SNB-D3	SNB-DC52	38.19	0.422	-6.901	-3.875	-5.988	-6.901	-2.317	0.422	-1.730
SNB-D3	SNB-DC6P	27.41	3.162	-4.953	1.509	3.162	2.811	-2.335	-4.953	-1.720
SNB-D3	SNB-DC61	38.46	0.435	-6.950	0.435	-2.331	-6.950	-6.022	-3.887	-1.730
SNB-D3	SNB-DC62	38.92	3.587	-7.033	-7.033	-5.952	-1.065	3.096	3.587	-1.729
SNB-D3	SNB-DD1P	30.44	3.155	-5.146	-5.146	-2.340	3.081	3.155	1.293	-1.926
SNB-D3	SNB-DD11	45.00	3.759	-7.606	3.759	3.107	-1.506	-6.569	-7.606	-1.928
SNB-D3	SNB-DD12	43.32	0.583	-7.321	-4.498	-6.616	-7.321	-2.296	0.583	-1.940
SNB-D3	SNB-DD2P	30.42	3.136	-5.141	1.293	3.136	3.048	-2.351	-5.141	-1.923
SNB-D3	SNB-DD21	43.43	0.581	-7.340	0.581	-2.309	-7.340	-6.620	-4.494	-1.939
SNB-D3	SNB-DD22	45.11	3.771	-7.625	-7.625	-6.602	-1.539	3.103	3.771	-1.932
SNB-D3	SNB-DD3P	49.55	8.980	-0.692	-0.692	2.973	8.980	7.668	4.907	2.095
SNB-D3	SNB-DD31	50.00	9.062	-4.979	9.062	7.614	1.250	-4.318	-4.979	2.091
SNB-D3	SNB-DD32	35.19	6.378	-4.355	-2.178	-4.355	-3.925	2.985	6.378	2.084
SNB-D3	SNB-DD4P	49.41	8.955	-0.693	4.910	7.657	8.955	2.961	-0.693	2.095
SNB-D3	SNB-DD41	35.22	6.384	-4.371	6.384	2.973	-3.953	-4.371	-2.181	2.085
SNB-D3	SNB-DD42	49.93	9.050	-4.971	-4.971	-4.324	1.222	7.591	9.050	2.089
SNB-D3	SNB-DD5P	40.91	4.845	-6.065	-6.065	-2.546	4.472	4.845	2.626	-1.690
SNB-D3	SNB-DD51	60.00	5.492	-8.895	5.492	4.812	-0.828	-7.396	-8.895	-1.692
SNB-D3	SNB-DD52	59.10	1.202	-8.762	-4.632	-7.451	-8.762	-2.514	1.202	-1.699
SNB-D3	SNB-DD6P	40.88	4.829	-6.060	2.625	4.829	4.446	-2.554	-6.060	-1.689
SNB-D3	SNB-DD61	59.25	1.200	-8.784	1.200	-2.527	-8.784	-7.459	-4.629	-1.698
SNB-D3	SNB-DD62	60.06	5.498	-8.904	-8.904	-7.418	-0.855	4.805	5.498	-1.694
SNB-D4	SNB-DE1P	44.97	3.818	-9.714	-9.714	-5.040	3.818	3.373	0.108	-4.744
SNB-D4	SNB-DE11	65.53	4.682	-14.155	4.682	3.335	-4.614	-12.655	-14.155	-4.745
SNB-D4	SNB-DE12	62.67	0.000	-13.537	-9.401	-12.701	-13.537	-5.004	-0.254	-4.752

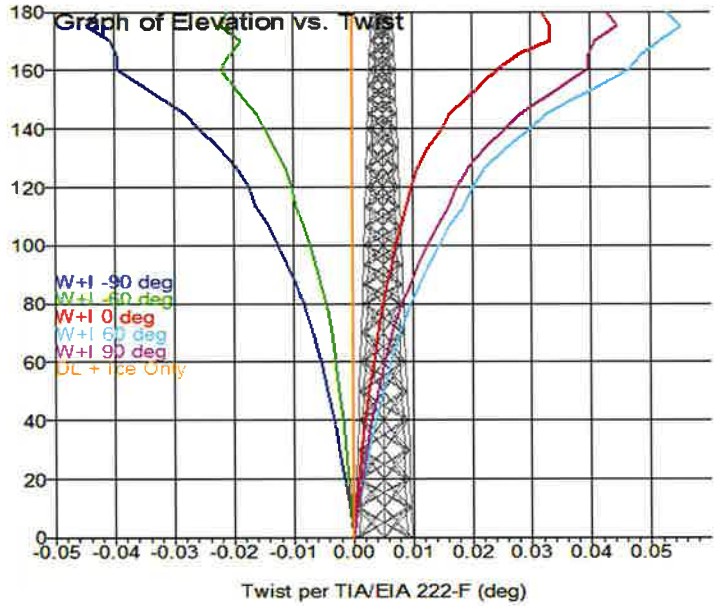
SNB-D4	SNB-DE2P	44.97	3.794	-9.714	0.113	3.363	3.794	-5.051	-9.714	-4.742
SNB-D4	SNB-DE21	62.83	0.000	-13.572	-0.251	-5.020	-13.572	-12.719	-9.403	-4.751
SNB-D4	SNB-DE22	65.49	4.668	-14.145	-14.145	-12.663	-4.648	3.307	4.668	-4.748
SNB-D4	SNB-DE3P	42.20	13.503	0.000	0.486	5.092	13.503	12.955	9.885	5.136
SNB-D4	SNB-DE31	44.36	14.196	-4.046	14.196	12.903	5.353	-2.554	-4.046	5.136
SNB-D4	SNB-DE32	30.25	9.681	-3.369	0.674	-2.601	-3.369	5.138	9.681	5.131
SNB-D4	SNB-DE4P	42.09	13.467	0.000	9.880	12.931	13.467	5.081	0.493	5.137
SNB-D4	SNB-DE41	30.26	9.682	-3.392	9.682	5.126	-3.392	-2.611	0.675	5.132
SNB-D4	SNB-DE42	44.40	14.209	-4.063	-4.063	-2.583	5.326	12.903	14.209	5.134
SNB-D4	SNB-DE5P	33.35	1.620	-10.673	-10.673	-6.509	1.620	1.540	-1.217	-5.886
SNB-D4	SNB-DE51	44.76	2.544	-14.321	2.544	1.516	-5.329	-12.759	-14.321	-5.884
SNB-D4	SNB-DE52	43.86	0.000	-14.034	-9.705	-12.812	-14.034	-6.490	-2.186	-5.887
SNB-D4	SNB-DE6P	33.42	1.604	-10.693	-1.194	1.551	1.604	-6.534	-10.693	-5.885
SNB-D4	SNB-DE61	43.92	0.000	-14.055	-2.191	-6.507	-14.055	-12.816	-9.699	-5.886
SNB-D4	SNB-DE62	44.72	2.530	-14.311	-14.311	-12.772	-5.374	1.483	2.530	-5.886
SNB-D5	SNB-DF1P	30.15	9.649	-3.823	-3.823	0.615	9.346	9.649	6.985	1.541
SNB-D5	SNB-DF11	32.71	10.467	-7.570	10.467	9.610	2.678	-5.652	-7.570	1.545
SNB-D5	SNB-DF12	23.14	5.238	-7.403	-2.126	-5.679	-7.403	0.672	5.238	1.544
SNB-D5	SNB-DF2P	30.08	9.626	-3.816	6.982	9.626	9.308	0.602	-3.816	1.543
SNB-D5	SNB-DF21	23.28	5.258	-7.448	5.258	0.667	-7.448	-5.719	-2.147	1.543
SNB-D5	SNB-DF22	32.67	10.454	-7.559	-7.559	-5.653	2.658	9.590	10.454	1.544
SNB-D5	SNB-DF3P	21.88	4.781	-7.001	-7.001	-2.907	4.781	4.339	1.674	-2.626
SNB-D5	SNB-DF31	33.82	5.392	-10.823	5.392	4.280	-2.314	-9.384	-10.823	-2.624
SNB-D5	SNB-DF32	32.66	1.219	-10.450	-6.503	-9.438	-10.450	-2.867	1.219	-2.621
SNB-D5	SNB-DF4P	21.89	4.743	-7.004	1.676	4.321	4.743	-2.928	-7.004	-2.627
SNB-D5	SNB-DF41	32.73	1.212	-10.472	1.212	-2.884	-10.472	-9.444	-6.497	-2.622
SNB-D5	SNB-DF42	33.87	5.411	-10.838	-10.838	-9.416	-2.349	4.278	5.411	-2.623
SNB-D6	SNB-DG1P	23.25	4.975	-7.440	-7.440	-3.184	4.975	4.551	1.802	-2.811
SNB-D6	SNB-DG11	35.69	5.663	-11.420	5.663	4.522	-2.395	-9.863	-11.420	-2.809
SNB-D6	SNB-DG12	34.60	1.170	-11.071	-6.811	-9.900	-11.071	-3.123	1.170	-2.803
SNB-D6	SNB-DG2P	23.26	4.946	-7.442	1.802	4.537	4.946	-3.199	-7.442	-2.812
SNB-D6	SNB-DG21	34.72	1.169	-11.112	1.169	-3.144	-11.112	-9.922	-6.815	-2.806
SNB-D6	SNB-DG22	35.65	5.656	-11.407	-11.407	-9.867	-2.423	4.501	5.656	-2.805
SNB-D6	SNB-DG3P	27.16	8.691	-4.770	-4.770	-0.144	8.691	8.289	5.354	0.311
SNB-D6	SNB-DG31	29.48	9.432	-9.015	9.432	8.236	0.850	-7.285	-9.015	0.311
SNB-D6	SNB-DG32	27.19	4.548	-8.700	-3.939	-7.321	-8.700	-0.097	4.548	0.317
SNB-D6	SNB-DG4P	27.05	8.655	-4.771	5.352	8.270	8.655	-0.161	-4.771	0.309
SNB-D6	SNB-DG41	27.28	4.545	-8.728	4.545	-0.114	-8.728	-7.334	-3.939	0.315
SNB-D6	SNB-DG42	29.51	9.442	-9.019	-9.019	-7.302	0.823	8.230	9.442	0.315
SNB-D6	SNB-DH1P	36.38	1.942	-11.640	-11.640	-6.915	1.942	1.108	-2.031	-6.815
SNB-D6	SNB-DH11	50.98	2.491	-16.313	2.491	1.071	-6.715	-14.749	-16.313	-6.815
SNB-D6	SNB-DH12	49.37	0.000	-15.797	-11.515	-14.789	-15.797	-6.867	-2.181	-6.810
SNB-D6	SNB-DH2P	36.38	1.911	-11.642	-2.032	1.093	1.911	-6.932	-11.642	-6.817
SNB-D6	SNB-DH21	49.48	0.000	-15.832	-2.183	-6.885	-15.832	-14.808	-11.517	-6.812
SNB-D6	SNB-DH22	50.96	2.492	-16.307	-16.307	-14.758	-6.741	1.057	2.492	-6.812
SNB-D6	SNB-DH3P	43.16	13.811	-1.254	-1.254	3.841	13.811	13.635	10.537	4.651
SNB-D6	SNB-DH31	46.15	14.769	-5.701	14.769	13.594	5.622	-3.588	-5.701	4.652
SNB-D6	SNB-DH32	28.39	9.084	-5.560	0.254	-3.622	-5.560	3.891	9.084	4.657
SNB-D6	SNB-DH4P	43.06	13.779	-1.255	10.535	13.618	13.779	3.825	-1.255	4.650
SNB-D6	SNB-DH41	28.38	9.081	-5.590	9.081	3.874	-5.590	-3.637	0.252	4.655
SNB-D6	SNB-DH42	46.17	14.775	-5.700	-5.700	-3.601	5.598	13.586	14.775	4.656
SNB-D7	SNB-DI1P	69.99	0.000	-22.395	-22.395	-16.021	-4.792	-7.399	-12.142	-17.167
SNB-D7	SNB-DI11	92.81	0.000	-29.699	-4.825	-7.440	-18.679	-28.341	-29.699	-17.167
SNB-D7	SNB-DI12	88.67	0.000	-28.375	-24.658	-28.375	-28.332	-15.977	-9.903	-17.161
SNB-D7	SNB-DI2P	69.99	0.000	-22.397	-12.144	-7.414	-4.824	-16.039	-22.397	-17.169
SNB-D7	SNB-DI21	88.72	0.000	-28.391	-9.905	-15.994	-28.363	-28.391	-24.661	-17.163
SNB-D7	SNB-DI22	92.80	0.000	-29.694	-29.694	-28.350	-18.702	-7.451	-4.821	-17.163
SNB-D7	SNB-DI3P	89.47	28.631	0.000	6.419	13.068	27.143	28.631	25.190	15.723
SNB-D7	SNB-DI31	91.64	29.323	0.000	29.323	28.601	19.002	5.561	1.858	15.725
SNB-D7	SNB-DI32	63.28	20.251	0.000	11.426	5.528	1.127	13.113	20.251	15.730
SNB-D7	SNB-DI4P	89.43	28.617	0.000	25.189	28.617	27.116	13.054	6.419	15.722
SNB-D7	SNB-DI41	63.27	20.247	0.000	20.247	13.097	1.098	5.513	11.424	15.727
SNB-D7	SNB-DI42	91.65	29.328	0.000	1.861	5.552	18.982	28.593	29.328	15.729
SNB-L1	SNB-LA1P	0.63	0.188	-0.631	0.188	-0.211	-0.631	-0.266	0.132	0.164
SNB-L1	SNB-LA11	0.59	0.720	-0.394	-0.394	-0.258	0.280	0.701	0.720	0.167
SNB-L1	SNB-LA12	0.76	0.923	-0.592	0.921	0.923	0.365	-0.394	-0.592	0.169

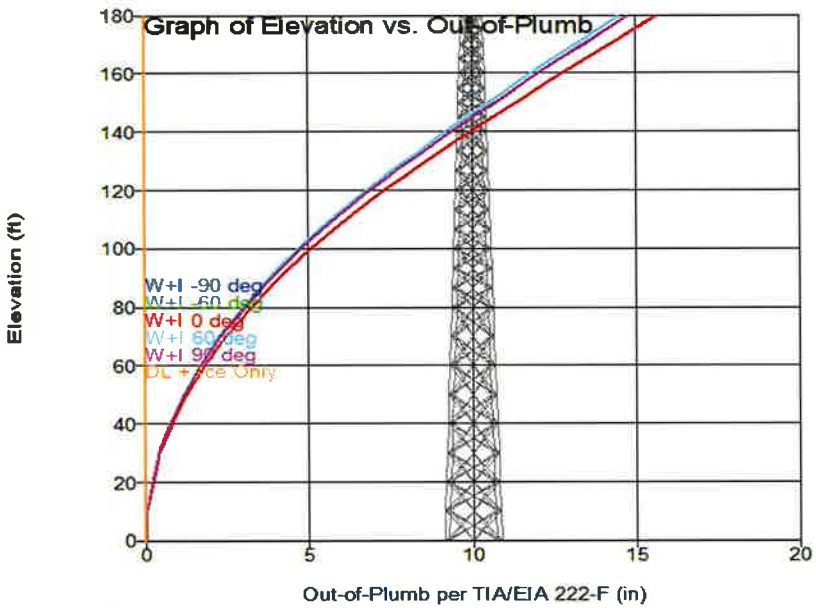
SNB-L1	SNB-LA2P	3.43	0.000	-3.440	-0.887	-2.201	-3.440	-1.878	-0.505	-0.700
SNB-L1	SNB-LA21	3.09	1.967	-3.095	-3.095	-2.172	0.514	1.967	1.718	-0.694
SNB-L1	SNB-LA22	2.89	1.865	-2.894	1.530	1.865	0.634	-1.946	-2.894	-0.685
SNB-L1	SNB-LA3P	6.02	0.000	-6.035	-0.675	-3.309	-6.035	-3.161	-0.495	-0.587
SNB-L1	SNB-LA31	5.40	5.044	-5.414	-5.414	-3.289	2.400	5.044	4.281	-0.572
SNB-L1	SNB-LA32	5.23	4.933	-5.238	4.138	4.933	2.431	-3.132	-5.238	-0.552
SNB-L1	SNB-LA4P	9.41	0.000	-9.431	-0.360	-4.710	-9.431	-4.908	-0.583	-0.473
SNB-L1	SNB-LA41	7.74	7.929	-7.755	-7.755	-4.630	3.882	7.929	6.878	-0.445
SNB-L1	SNB-LA42	7.95	8.177	-7.966	7.147	8.177	3.926	-4.807	-7.966	-0.412
SNB-L2	SNB-LB1P	8.48	0.000	-13.348	-0.748	-6.794	-13.348	-6.810	-0.759	-0.755
SNB-L2	SNB-LB11	7.22	11.459	-11.364	-11.364	-6.816	5.598	11.459	9.963	-0.707
SNB-L2	SNB-LB12	7.16	11.441	-11.269	9.950	11.441	5.605	-6.751	-11.269	-0.663
SNB-L2	SNB-LB2P	12.03	0.000	-18.926	-1.423	-9.766	-18.926	-9.776	-1.428	-1.438
SNB-L2	SNB-LB21	10.16	15.344	-15.990	-15.990	-9.695	7.415	15.344	13.280	-1.374
SNB-L2	SNB-LB22	10.14	15.413	-15.954	13.346	15.413	7.476	-9.655	-15.954	-1.320
SNB-L2	SNB-LB3P	15.67	0.000	-24.655	-2.093	-12.814	-24.655	-12.823	-2.098	-2.105
SNB-L2	SNB-LB31	13.23	19.414	-20.821	-20.821	-12.743	9.250	19.414	16.796	-2.032
SNB-L2	SNB-LB32	13.19	19.481	-20.755	16.861	19.481	9.314	-12.682	-20.755	-1.963
SNB-L2	SNB-LB4P	18.05	0.000	-28.406	-1.233	-14.124	-28.406	-14.110	-1.213	-1.249
SNB-L2	SNB-LB41	15.11	24.601	-23.780	-23.780	-14.041	12.423	24.601	21.462	-1.175
SNB-L2	SNB-LB42	15.06	24.686	-23.695	21.539	24.686	12.519	-13.952	-23.695	-1.090
SNB-L2	SNB-LC1P	23.02	0.440	-33.891	0.440	-15.792	-33.891	-15.812	0.422	0.407
SNB-L2	SNB-LC11	19.03	32.947	-28.009	-28.009	-15.705	17.680	32.947	28.992	0.478
SNB-L2	SNB-LC12	18.98	33.063	-27.934	29.108	33.063	17.783	-15.625	-27.934	0.577
SNB-L2	SNB-LC2P	35.03	0.000	-51.517	-5.447	-27.182	-51.517	-27.230	-5.498	-5.494
SNB-L2	SNB-LC21	29.62	38.090	-43.563	-43.563	-27.102	17.671	38.090	32.819	-5.423
SNB-L2	SNB-LC22	29.57	38.229	-43.491	32.964	38.229	17.773	-27.030	-43.491	-5.312
SNB-L2	SNB-LC3P	40.13	0.000	-59.062	-0.998	-28.360	-59.062	-28.348	-0.980	-1.017
SNB-L2	SNB-LC31	33.32	53.827	-49.042	-49.042	-28.281	28.136	53.827	47.222	-0.939
SNB-L2	SNB-LC32	33.22	53.912	-48.897	47.305	53.912	28.244	-28.145	-48.897	-0.823
SNB-L3	SNB-LD1P	50.43	0.000	-72.798	-1.814	-35.215	-72.798	-35.220	-1.815	-1.855
SNB-L3	SNB-LD11	41.89	65.068	-60.466	-60.466	-35.116	33.770	65.068	57.035	-1.759
SNB-L3	SNB-LD12	41.81	65.204	-60.357	57.167	65.204	33.900	-35.003	-60.357	-1.637
SNB-L3	SNB-LD2P	64.57	0.000	-93.156	-7.178	-47.578	-93.156	-47.576	-7.172	-7.177
SNB-L3	SNB-LD21	54.16	73.854	-78.139	-78.139	-47.463	35.995	73.854	64.151	-7.060
SNB-L3	SNB-LD22	54.07	73.974	-78.005	64.269	73.974	36.125	-47.331	-78.005	-6.931
SNB-L3	SNB-LD3P	71.69	0.000	-103.491	-2.990	-50.111	-103.491	-50.116	-2.993	-3.045
SNB-L3	SNB-LD31	59.46	91.389	-85.835	-85.835	-49.979	47.412	91.389	80.123	-2.912
SNB-L3	SNB-LD32	59.38	91.526	-85.711	80.257	91.526	47.547	-49.853	-85.711	-2.781
SNB-L4	SNB-LE1P	43.06	0.000	-119.235	-0.761	-56.185	-119.235	-56.186	-0.758	-0.864
SNB-L4	SNB-LE11	35.75	110.169	-98.276	-98.276	-56.038	58.610	110.169	96.985	-0.718
SNB-L4	SNB-LE12	35.79	110.295	-98.135	97.110	110.295	58.744	-55.898	-98.135	-0.582
SNB-L4	SNB-LE2P	54.13	0.000	-149.828	-12.356	-76.551	-149.828	-76.561	-12.363	-12.322
SNB-L4	SNB-LE21	45.28	116.342	-125.332	-125.332	-76.397	56.621	116.342	101.097	-12.167
SNB-L4	SNB-LE22	45.24	116.488	-125.202	101.242	116.488	56.763	-76.265	-125.202	-12.027
SNB-L4	SNB-LE3P	56.26	0.000	-155.792	-0.901	-73.067	-155.792	-73.056	-0.886	-0.969
SNB-L4	SNB-LE31	46.60	143.585	-128.021	-128.021	-72.905	76.719	143.585	126.546	-0.811
SNB-L4	SNB-LE32	46.64	143.722	-127.873	126.679	143.722	76.869	-72.754	-127.873	-0.667
SNB-L4	SNB-LF1P	72.62	0.000	-184.623	-10.812	-91.635	-184.623	-91.625	-10.798	-10.765
SNB-L4	SNB-LF11	60.28	151.265	-153.252	-153.252	-91.478	76.410	151.265	132.218	-10.609
SNB-L4	SNB-LF12	60.22	151.399	-153.098	132.348	151.399	76.558	-91.324	-153.098	-10.465
SNB-L4	SNB-LF2P	79.20	0.000	-201.366	-5.996	-96.590	-201.366	-96.602	-6.006	-6.022
SNB-L4	SNB-LF21	65.21	175.509	-165.798	-165.798	-96.437	91.944	175.509	154.292	-5.871
SNB-L4	SNB-LF22	65.16	175.658	-165.665	154.442	175.658	92.088	-96.302	-165.665	-5.727
SNB-L5	SNB-LG1P	68.54	0.000	-222.879	-7.756	-107.230	-222.879	-107.233	-7.756	-7.761
SNB-L5	SNB-LG11	56.40	191.500	-183.402	-183.402	-107.093	100.050	191.500	168.334	-7.618
SNB-L5	SNB-LG12	56.36	191.627	-183.257	168.462	191.627	100.185	-106.950	-183.257	-7.479
SNB-L5	SNB-LG2P	76.28	0.000	-248.023	-12.480	-121.116	-248.023	-121.120	-12.483	-12.482
SNB-L5	SNB-LG21	62.87	205.094	-204.434	-204.434	-120.980	105.531	205.094	179.932	-12.348
SNB-L5	SNB-LG22	62.83	205.229	-204.306	180.066	205.229	105.665	-120.851	-204.306	-12.215
SNB-L5	SNB-LH1P	80.83	0.000	-262.840	-6.208	-124.265	-262.840	-124.266	-6.208	-6.216
SNB-L5	SNB-LH11	66.12	230.203	-214.989	-214.989	-124.141	122.339	230.203	202.998	-6.089
SNB-L5	SNB-LH12	66.08	230.324	-214.862	203.119	230.324	122.463	-124.015	-214.862	-5.962
SNB-L5	SNB-LH2P	91.58	0.000	-297.796	-20.327	-147.671	-297.796	-147.672	-20.329	-20.296
SNB-L5	SNB-LH21	75.55	234.682	-245.676	-245.676	-147.552	118.647	234.682	205.478	-20.174
SNB-L5	SNB-LH22	75.52	234.801	-245.558	205.596	234.801	118.765	-147.434	-245.558	-20.054

SNB-L6	SNB-LI1P	71.17	1.433	-301.239	1.433	-137.111	-301.239	-137.110	1.433	1.344
SNB-L6	SNB-LI11	60.10	278.669	-243.950	-243.950	-136.999	152.930	278.669	247.092	1.460
SNB-L6	SNB-LI12	60.12	278.780	-243.837	247.202	278.780	153.040	-136.887	-243.837	1.574
SNB-L6	SNB-LI2P	85.55	0.000	-362.131	-35.244	-184.538	-362.131	-184.537	-35.244	-35.104
SNB-L6	SNB-LI21	70.83	263.750	-299.815	-299.815	-184.434	128.455	263.750	229.836	-34.995
SNB-L6	SNB-LI22	70.80	263.854	-299.710	229.940	263.854	128.556	-184.331	-299.710	-34.889
Connect	Connect AP	0.02	4.587	0.000	4.503	4.509	4.477	4.587	4.585	4.576
Connect	Connect A1	0.02	4.682	0.000	4.673	4.682	4.605	4.433	4.408	4.572
Connect	Connect A2	0.02	4.772	0.000	4.310	4.337	4.592	4.767	4.772	4.572
Connect	Connect AaP	0.00	1.025	-0.073	0.175	0.651	1.025	0.446	-0.073	0.044
Connect	Connect Aa1	0.00	0.205	-0.153	0.205	0.110	-0.088	-0.153	-0.099	0.048
Connect	Connect Aa2	0.00	0.191	-0.232	-0.100	-0.232	-0.231	0.037	0.191	0.042
Connect	Connect AbP	0.00	0.111	-0.072	0.006	-0.054	-0.072	0.046	0.111	0.054
Connect	Connect Ab1	0.00	0.784	-0.726	0.784	0.535	-0.240	-0.726	-0.684	0.046
Connect	Connect Ab2	0.00	0.225	-0.077	-0.077	-0.006	0.167	0.225	0.179	0.045
Connect	Connect AcP	0.00	0.197	-0.104	0.197	0.197	0.077	-0.055	-0.104	0.040
Connect	Connect Ac1	0.00	0.202	-0.080	-0.080	-0.008	0.160	0.202	0.162	0.035
Connect	Connect Ac2	0.00	0.237	-0.265	-0.162	-0.265	-0.201	0.095	0.237	0.033
Connect	Connect BP	0.02	4.594	0.000	4.434	4.392	4.364	4.543	4.594	4.540
Connect	Connect B1	0.02	4.982	0.000	4.106	4.273	4.747	4.982	4.929	4.540
Connect	Connect B2	0.02	5.015	0.000	4.926	5.015	4.839	4.334	4.112	4.541
Connect	Connect BaP	0.00	0.714	0.000	0.058	0.385	0.714	0.403	0.070	0.052
Connect	Connect Ba1	0.00	0.762	-0.721	0.762	0.499	-0.279	-0.721	-0.645	0.053
Connect	Connect Ba2	0.00	0.756	-0.723	-0.643	-0.723	-0.271	0.506	0.756	0.052
Connect	Connect BbP	0.00	0.114	-0.008	-0.005	0.070	0.114	0.079	-0.002	-0.008
Connect	Connect Bb1	0.00	0.116	-0.124	0.116	0.067	-0.046	-0.124	-0.105	-0.003
Connect	Connect Bb2	0.00	0.111	-0.131	-0.106	-0.131	-0.049	0.068	0.111	-0.007
Connect	Connect BcP	0.00	0.387	-1.063	0.387	-0.274	-1.063	-0.305	0.343	0.365
Connect	Connect Bc1	0.01	1.810	-0.874	-0.874	-0.334	1.148	1.810	1.643	0.374
Connect	Connect Bc2	0.01	1.752	-0.852	1.608	1.752	1.102	-0.328	-0.852	0.368
Connect	Connect CP	0.02	5.477	0.000	3.327	4.365	5.477	4.414	3.373	3.337
Connect	Connect C1	0.02	5.266	0.000	5.266	4.443	2.186	1.111	1.395	3.334
Connect	Connect C2	0.02	5.165	0.000	1.510	1.247	2.284	4.411	5.165	3.342
Connect	Connect CaP	0.01	1.986	0.000	0.063	0.998	1.986	0.972	0.024	0.043
Connect	Connect Ca1	0.01	1.660	-1.792	1.660	0.962	-0.908	-1.792	-1.565	0.041
Connect	Connect Ca2	0.01	1.781	-1.943	-1.682	-1.943	-1.003	1.023	1.781	0.043
Connect	Connect CbP	0.00	0.380	0.000	0.230	0.327	0.368	0.380	0.287	0.260
Connect	Connect Cb1	0.00	0.375	0.000	0.375	0.311	0.170	0.075	0.130	0.251
Connect	Connect Cb2	0.00	0.354	0.000	0.153	0.113	0.217	0.320	0.354	0.252
Connect	Connect DP	0.02	5.667	0.000	5.663	5.456	5.150	5.459	5.663	5.667
Connect	Connect D1	0.03	5.990	0.000	5.319	5.483	5.871	5.990	5.954	5.657
Connect	Connect D2	0.03	5.971	0.000	5.941	5.971	5.863	5.492	5.329	5.655
Connect	Connect DaP	0.01	2.983	0.000	0.642	1.748	2.983	1.752	0.641	0.651
Connect	Connect Da1	0.01	2.524	-1.465	2.524	1.704	-0.484	-1.465	-1.208	0.656
Connect	Connect Da2	0.01	2.524	-1.464	-1.204	-1.464	-0.483	1.708	2.524	0.658
Connect	Connect DbP	0.00	0.903	0.000	0.350	0.608	0.903	0.611	0.349	0.362
Connect	Connect Db1	0.00	0.840	-0.163	0.840	0.632	0.086	-0.163	-0.112	0.363
Connect	Connect Db2	0.00	0.839	-0.166	-0.111	-0.166	0.083	0.633	0.839	0.363
Connect	Connect EP	0.04	9.120	0.000	6.219	7.589	9.120	7.592	6.218	6.169
Connect	Connect E1	0.04	8.605	0.000	8.605	7.582	4.727	3.400	3.740	6.170
Connect	Connect E2	0.04	8.602	0.000	3.740	3.397	4.724	7.583	8.602	6.168
Connect	Connect EaP	0.00	0.276	0.000	0.247	0.165	0.105	0.173	0.252	0.276
Connect	Connect Ea1	0.00	0.447	0.000	0.142	0.185	0.343	0.447	0.412	0.279
Connect	Connect Ea2	0.00	0.449	0.000	0.415	0.449	0.348	0.190	0.141	0.280
Connect	Connect EbP	0.00	0.185	-0.907	0.180	-0.323	-0.907	-0.348	0.148	0.185
Connect	Connect Eb1	0.01	1.260	-0.760	-0.760	-0.362	0.745	1.260	1.130	0.191
Connect	Connect Eb2	0.01	1.230	-0.744	1.114	1.230	0.718	-0.359	-0.744	0.192
Connect	Connect FP	0.02	4.788	0.000	4.772	3.923	2.894	3.930	4.779	4.788
Connect	Connect F1	0.03	6.361	0.000	3.347	3.980	5.657	6.361	6.182	4.790
Connect	Connect F2	0.03	6.437	0.000	6.248	6.437	5.702	3.950	3.284	4.792
Connect	Connect FaP	0.00	0.370	-1.078	0.360	-0.304	-1.078	-0.327	0.332	0.370
Connect	Connect Fa1	0.01	1.723	-0.848	-0.848	-0.334	1.078	1.723	1.563	0.374
Connect	Connect Fa2	0.01	1.700	-0.831	1.551	1.700	1.056	-0.330	-0.831	0.377
Connect	Connect GP	0.02	5.400	0.000	5.102	5.233	5.400	5.238	5.108	5.132
Connect	Connect G1	0.02	5.366	0.000	5.366	5.252	4.940	4.819	4.848	5.133
Connect	Connect G2	0.02	5.365	0.000	4.855	4.827	4.949	5.256	5.365	5.136

Connect	Connect GaP	0.00	0.614	0.000	0.038	0.296	0.614	0.297	0.038	0.061
Connect	Connect Ga1	0.00	0.489	-0.467	0.489	0.287	-0.253	-0.467	-0.412	0.061
Connect	Connect Ga2	0.00	0.490	-0.467	-0.411	-0.467	-0.254	0.289	0.490	0.062
Connect	Connect HP	0.03	6.059	0.000	5.830	5.946	6.059	5.946	5.830	5.856
Connect	Connect H1	0.03	6.029	0.000	6.029	5.946	5.703	5.586	5.618	5.855
Connect	Connect H2	0.03	6.028	0.000	5.618	5.586	5.704	5.946	6.028	5.854
Connect	Connect HaP	0.01	1.256	0.000	0.192	0.656	1.256	0.656	0.193	0.228
Connect	Connect Ha1	0.00	1.035	-0.711	1.035	0.663	-0.330	-0.711	-0.623	0.228
Connect	Connect Ha2	0.00	1.036	-0.710	-0.622	-0.710	-0.329	0.664	1.036	0.229
Connect	Connect IP	0.05	10.581	0.000	6.450	8.307	10.581	8.307	6.450	6.467
Connect	Connect I1	0.04	9.739	0.000	9.739	8.298	4.385	2.743	3.149	6.469
Connect	Connect I2	0.04	9.739	0.000	3.150	2.743	4.386	8.299	9.739	6.469
Connect	Connect IaP	0.01	0.677	-1.453	-1.453	-0.500	0.677	-0.500	-1.453	-1.433
Connect	Connect Ia1	0.01	0.250	-3.397	0.250	-0.492	-2.541	-3.397	-3.190	-1.432
Connect	Connect Ia2	0.01	0.250	-3.396	-3.189	-3.396	-2.541	-0.492	0.250	-1.431
SNB-H1	SNB-H1aP	2.44	2.889	0.000	2.889	2.736	2.512	2.633	2.768	2.851
SNB-H1	SNB-H1bP	2.47	2.916	0.000	2.741	2.736	2.796	2.880	2.916	2.851
SNB-H1	SNB-H1cP	2.51	2.972	0.000	2.719	2.792	2.949	2.972	2.938	2.850
SNB-H1	SNB-H1dP	2.57	3.039	0.000	3.015	3.039	2.949	2.725	2.642	2.850
SNB-H1	SNB-H1eP	2.45	2.894	0.000	2.894	2.888	2.853	2.788	2.766	2.851
SNB-H1	SNB-H1fP	2.46	2.914	0.000	2.746	2.641	2.569	2.788	2.914	2.851
SNB-H1	SNB-H2aP	2.70	3.195	0.000	3.195	3.110	2.972	3.049	3.119	3.183
SNB-H1	SNB-H2bP	2.79	3.296	0.000	3.048	3.110	3.255	3.296	3.267	3.183
SNB-H1	SNB-H2cP	2.76	3.267	0.000	3.079	3.134	3.240	3.267	3.244	3.182
SNB-H1	SNB-H2dP	2.86	3.381	0.000	3.375	3.381	3.240	3.020	2.949	3.182
SNB-H1	SNB-H2eP	2.83	3.343	0.000	3.285	3.343	3.324	3.133	3.034	3.183
SNB-H1	SNB-H2fP	2.69	3.183	0.000	3.137	3.096	3.040	3.133	3.181	3.183
SNB-H1	SNB-H3aP	3.90	4.608	0.000	4.608	4.564	4.101	3.718	3.666	4.128
SNB-H1	SNB-H3bP	3.86	4.564	0.000	4.407	4.564	4.488	4.054	3.867	4.128
SNB-H1	SNB-H3cP	3.60	4.261	0.000	3.913	3.753	3.723	4.046	4.261	4.127
SNB-H1	SNB-H3dP	3.65	4.315	0.000	4.315	4.089	3.723	3.710	3.859	4.127
SNB-H1	SNB-H3eP	3.86	4.559	0.000	3.884	4.078	4.511	4.559	4.386	4.128
SNB-H1	SNB-H3fP	3.88	4.587	0.000	3.683	3.742	4.124	4.559	4.587	4.128
SNB-H1	SNB-H4aP	5.72	6.765	0.000	6.765	6.687	6.159	5.779	5.740	6.258
SNB-H1	SNB-H4bP	5.67	6.704	0.000	6.484	6.687	6.704	6.247	6.021	6.258
SNB-H1	SNB-H4cP	5.50	6.503	0.000	5.920	5.772	5.819	6.259	6.503	6.255
SNB-H1	SNB-H4dP	5.48	6.482	0.000	6.482	6.240	5.819	5.791	5.941	6.255
SNB-H1	SNB-H4eP	5.66	6.693	0.000	6.014	6.235	6.693	6.686	6.489	6.256
SNB-H1	SNB-H4fP	5.73	6.770	0.000	5.732	5.768	6.148	6.686	6.770	6.256
SNB-H2	SNB-H5aP	5.78	10.343	0.000	10.268	10.343	9.287	7.946	7.629	8.852
SNB-H2	SNB-H5bP	5.78	10.343	0.000	9.983	10.343	9.837	8.421	7.915	8.852
SNB-H2	SNB-H5cP	5.07	9.073	0.000	8.500	7.934	7.586	8.411	9.073	8.849
SNB-H2	SNB-H5dP	5.07	9.070	0.000	9.070	8.409	7.586	7.936	8.502	8.849
SNB-H2	SNB-H5eP	5.78	10.340	0.000	7.913	8.418	9.832	10.340	9.981	8.850
SNB-H2	SNB-H5fP	5.78	10.340	0.000	7.628	7.943	9.282	10.340	10.266	8.850
SNB-H2	SNB-H6aP	4.64	8.291	0.000	8.291	8.231	7.595	7.017	6.922	7.589
SNB-H2	SNB-H6bP	4.60	8.231	0.000	7.998	8.231	8.159	7.504	7.215	7.589
SNB-H2	SNB-H6cP	4.38	7.835	0.000	7.263	7.027	6.980	7.504	7.835	7.588
SNB-H2	SNB-H6dP	4.39	7.847	0.000	7.847	7.514	6.981	7.018	7.251	7.588
SNB-H2	SNB-H6eP	4.60	8.229	0.000	7.218	7.508	8.164	8.229	7.993	7.589
SNB-H2	SNB-H6fP	4.63	8.285	0.000	6.926	7.022	7.599	8.229	8.285	7.589
SNB-H2	SNB-H7aP	5.27	9.418	0.000	9.418	9.333	8.631	8.004	7.907	8.645
SNB-H2	SNB-H7bP	5.22	9.333	0.000	9.065	9.333	9.312	8.591	8.259	8.645
SNB-H2	SNB-H7cP	5.01	8.960	0.000	8.259	8.008	7.979	8.592	8.960	8.644
SNB-H2	SNB-H7dP	5.01	8.963	0.000	8.963	8.595	7.979	8.005	8.255	8.644
SNB-H2	SNB-H7eP	5.22	9.333	0.000	8.259	8.592	9.314	9.333	9.064	8.644
SNB-H2	SNB-H7fP	5.27	9.416	0.000	7.907	8.005	8.632	9.333	9.416	8.644
SNB-H2	SNB-H8aP	6.51	11.640	0.000	11.640	11.586	10.815	9.992	9.823	10.702
SNB-H2	SNB-H8bP	6.48	11.586	0.000	11.303	11.586	11.465	10.554	10.161	10.702
SNB-H2	SNB-H8cP	6.16	11.008	0.000	10.335	9.992	9.854	10.554	11.008	10.701
SNB-H2	SNB-H8dP	6.16	11.010	0.000	11.010	10.555	9.854	9.991	10.334	10.701
SNB-H2	SNB-H8eP	6.48	11.586	0.000	10.161	10.554	11.466	11.586	11.302	10.702
SNB-H2	SNB-H8fP	6.51	11.639	0.000	9.823	9.992	10.815	11.586	11.639	10.702
SNB-H2	SNB-H9aP	9.55	17.082	0.000	17.027	17.082	15.966	14.368	13.941	15.399
SNB-H2	SNB-H9bP	9.55	17.082	0.000	16.715	17.082	16.568	14.887	14.253	15.399
SNB-H2	SNB-H9cP	8.77	15.685	0.000	15.062	14.366	13.832	14.885	15.685	15.397

SNB-H2	SNB-H9dP	8.77	15.686	0.000	15.686	14.885	13.832	14.365	15.062	15.397
SNB-H2	SNB-H9eP	9.55	17.081	0.000	14.252	14.887	16.568	17.081	16.714	15.398
SNB-H2	SNB-H9fP	9.55	17.081	0.000	13.941	14.367	15.965	17.081	17.026	15.398
WLAC-1	SNB-WL-A1P	0.76	0.147	-0.165	0.147	0.082	-0.095	-0.165	-0.148	-0.000
WLAC-1	SNB-WL-A2P	0.76	0.147	-0.165	-0.148	-0.165	-0.095	0.082	0.147	-0.000
WLAC-1	SNB-WL-A3P	0.70	0.189	-0.001	-0.000	0.082	0.189	0.082	-0.001	-0.000
WLAC-1	SNB-WL-B1P	0.88	0.147	-0.165	0.147	0.082	-0.095	-0.165	-0.148	-0.000
WLAC-1	SNB-WL-B2P	0.88	0.147	-0.165	-0.148	-0.165	-0.095	0.082	0.147	-0.000
WLAC-1	SNB-WL-B3P	0.70	0.189	-0.000	-0.000	0.082	0.189	0.082	-0.000	-0.000
WLAC-1	SNB-WL-C1P	1.43	0.200	-0.224	0.200	0.111	-0.129	-0.224	-0.201	-0.001
WLAC-1	SNB-WL-C2P	1.43	0.200	-0.224	-0.201	-0.224	-0.129	0.111	0.200	-0.001
WLAC-1	SNB-WL-C3P	0.95	0.257	-0.001	-0.001	0.111	0.257	0.111	-0.001	-0.001
WLAC-1	SNB-WL-D1P	2.60	0.279	-0.312	0.279	0.154	-0.182	-0.312	-0.282	-0.001
WLAC-1	SNB-WL-D2P	2.60	0.279	-0.312	-0.282	-0.312	-0.182	0.154	0.279	-0.001
WLAC-1	SNB-WL-D3P	1.33	0.361	-0.001	-0.001	0.154	0.361	0.154	-0.001	-0.001
WLAC-2	SNB-WL-E1P	1.51	0.283	-0.317	0.283	0.157	-0.184	-0.317	-0.285	-0.001
WLAC-2	SNB-WL-E2P	1.51	0.283	-0.317	-0.285	-0.317	-0.184	0.157	0.283	-0.001
WLAC-2	SNB-WL-E3P	0.87	0.365	-0.001	-0.001	0.157	0.365	0.157	-0.001	-0.001
WLAC-2	SNB-WL-F1P	1.99	0.289	-0.326	0.289	0.159	-0.190	-0.326	-0.293	-0.002
WLAC-2	SNB-WL-F2P	1.99	0.289	-0.326	-0.293	-0.326	-0.190	0.159	0.289	-0.002
WLAC-2	SNB-WL-F3P	0.89	0.373	-0.002	-0.002	0.159	0.373	0.159	-0.002	-0.002
WLAC-2	SNB-WL-G1P	3.04	0.347	-0.393	0.347	0.191	-0.230	-0.393	-0.354	-0.003
WLAC-2	SNB-WL-G2P	3.04	0.347	-0.393	-0.354	-0.393	-0.230	0.191	0.347	-0.003
WLAC-2	SNB-WL-G3P	1.07	0.449	-0.003	-0.003	0.191	0.449	0.191	-0.003	-0.003
WLAC-2	SNB-WL-H1P	3.60	0.332	-0.377	0.332	0.183	-0.219	-0.377	-0.339	-0.004
WLAC-2	SNB-WL-H2P	3.60	0.332	-0.377	-0.339	-0.377	-0.219	0.183	0.332	-0.004
WLAC-2	SNB-WL-H3P	1.02	0.428	-0.004	-0.004	0.183	0.428	0.183	-0.004	-0.004
WLAC-2	SNB-WL-I1P	4.01	0.308	-0.347	0.308	0.170	-0.202	-0.347	-0.312	-0.002
WLAC-2	SNB-WL-I2P	4.01	0.308	-0.347	-0.312	-0.347	-0.202	0.170	0.308	-0.002
WLAC-2	SNB-WL-I3P	0.94	0.397	-0.002	-0.002	0.170	0.397	0.170	-0.002	-0.002


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 -0.04 -0.03 -0.02 -0.01 0.00 0.01 0.02 0.03 0.04 0.05
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	0.03	0.04
20.00	-0.00	0.07	0.20
30.00	-0.00	0.11	0.41
40.00	-0.00	0.16	0.76
50.00	-0.00	0.20	1.17
60.00	-0.01	0.25	1.70
70.00	-0.01	0.29	2.28
80.00	-0.01	0.35	3.03
86.66	-0.01	0.39	3.57
93.34	-0.01	0.41	4.14
100.00	-0.01	0.44	4.76
106.66	-0.01	0.47	5.41
113.34	-0.02	0.52	6.14
120.00	-0.02	0.54	6.90
126.66	-0.02	0.57	7.69
133.34	-0.02	0.60	8.55
140.00	-0.03	0.61	9.39
145.00	-0.03	0.61	10.02
150.00	-0.03	0.64	10.71
155.00	-0.04	0.63	11.36
160.00	-0.04	0.65	12.04
165.00	-0.04	0.65	12.72
170.00	-0.04	0.65	13.40

175.00	-0.04	0.66	14.09
180.00	-0.04	0.65	14.78

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	0.03	0.04
20.00	-0.00	0.06	0.20
30.00	-0.00	0.10	0.40
40.00	-0.00	0.16	0.74
50.00	-0.00	0.20	1.14
60.00	-0.00	0.24	1.66
70.00	-0.00	0.28	2.23
80.00	-0.00	0.34	2.96
86.66	-0.01	0.38	3.49
93.34	-0.01	0.40	4.05
100.00	-0.01	0.43	4.66
106.66	-0.01	0.46	5.30
113.34	-0.01	0.51	6.02
120.00	-0.01	0.53	6.76
126.66	-0.01	0.56	7.54
133.34	-0.01	0.59	8.38
140.00	-0.01	0.59	9.20
145.00	-0.02	0.60	9.82
150.00	-0.02	0.63	10.50
155.00	-0.02	0.62	11.14
160.00	-0.02	0.64	11.81
165.00	-0.02	0.63	12.47
170.00	-0.02	0.64	13.15
175.00	-0.02	0.64	13.82
180.00	-0.02	0.64	14.50

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	0.04
20.00	0.00	0.07	0.21
30.00	0.00	0.11	0.44
40.00	0.00	0.17	0.81
50.00	0.00	0.21	1.25
60.00	0.00	0.26	1.81
70.00	0.00	0.31	2.43
80.00	0.01	0.37	3.23
86.66	0.01	0.41	3.80
93.34	0.01	0.44	4.41
100.00	0.01	0.47	5.07
106.66	0.01	0.50	5.76
113.34	0.01	0.55	6.53
120.00	0.01	0.57	7.33
126.66	0.01	0.60	8.17
133.34	0.01	0.64	9.07
140.00	0.02	0.64	9.96
145.00	0.02	0.65	10.63
150.00	0.02	0.68	11.36
155.00	0.02	0.67	12.05

160.00	0.02	0.68	12.77
165.00	0.03	0.68	13.48
170.00	0.03	0.69	14.21
175.00	0.03	0.69	14.92
180.00	0.03	0.69	15.65

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	0.03	0.04
20.00	0.00	0.06	0.20
30.00	0.00	0.10	0.40
40.00	0.00	0.16	0.74
50.00	0.00	0.20	1.14
60.00	0.01	0.24	1.66
70.00	0.01	0.28	2.23
80.00	0.01	0.34	2.96
86.66	0.01	0.38	3.49
93.34	0.01	0.40	4.05
100.00	0.01	0.43	4.66
106.66	0.02	0.46	5.30
113.34	0.02	0.51	6.01
120.00	0.02	0.53	6.76
126.66	0.02	0.56	7.53
133.34	0.03	0.59	8.37
140.00	0.03	0.59	9.19
145.00	0.03	0.60	9.82
150.00	0.04	0.63	10.49
155.00	0.04	0.62	11.13
160.00	0.05	0.63	11.80
165.00	0.05	0.63	12.46
170.00	0.05	0.64	13.13
175.00	0.06	0.65	13.81
180.00	0.05	0.64	14.48

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	0.03	0.04
20.00	0.00	0.07	0.20
30.00	0.00	0.11	0.41
40.00	0.00	0.16	0.76
50.00	0.00	0.20	1.17
60.00	0.01	0.25	1.70
70.00	0.01	0.29	2.28
80.00	0.01	0.35	3.02
86.66	0.01	0.39	3.56
93.34	0.01	0.41	4.14
100.00	0.01	0.44	4.76
106.66	0.01	0.47	5.41
113.34	0.02	0.52	6.14
120.00	0.02	0.54	6.90
126.66	0.02	0.57	7.69
133.34	0.02	0.60	8.54
140.00	0.03	0.60	9.38

145.00	0.03	0.61	10.01
150.00	0.03	0.64	10.70
155.00	0.04	0.63	11.35
160.00	0.04	0.65	12.03
165.00	0.04	0.64	12.70
170.00	0.04	0.65	13.39
175.00	0.04	0.66	14.08
180.00	0.04	0.65	14.76

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	0.03	0.00
20.00	-0.00	0.01	0.00
30.00	-0.00	-0.03	0.00
40.00	-0.00	0.04	0.00
50.00	-0.00	-0.04	0.00
60.00	-0.00	0.04	0.00
70.00	-0.00	-0.04	0.00
80.00	-0.00	0.03	0.00
86.66	-0.00	-0.04	0.00
93.34	-0.00	0.01	0.00
100.00	-0.00	0.01	0.00
106.66	-0.00	-0.01	0.00
113.34	-0.00	-0.00	0.00
120.00	0.00	0.02	0.00
126.66	0.00	-0.02	0.01
133.34	0.00	0.00	0.01
140.00	0.00	0.01	0.01
145.00	0.00	-0.02	0.01
150.00	0.00	0.01	0.01
155.00	0.00	-0.01	0.01
160.00	-0.00	0.01	0.01
165.00	0.00	-0.01	0.01
170.00	0.00	0.01	0.01
175.00	-0.00	-0.01	0.01
180.00	-0.00	0.01	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	-0.0007753	-1.235	-0.08252	0.6440	-0.0206	0.0252	4.332	-1.235	179.9
RohnBP	-0.001444	-1.007	-0.07325	0.6546	-0.0079	0.0257	5.12	-1.007	159.9
RohnCP	-0.002471	-0.785	-0.0639	0.5967	0.0083	0.0236	5.907	-0.785	139.9
RohnDP	-0.003359	-0.5771	-0.0546	0.5511	-0.0023	0.0218	6.692	-0.5771	119.9
RohnEP	-0.003436	-0.3985	-0.04511	0.4550	0.0044	0.0181	7.478	-0.3985	99.95
RohnFP	-0.005752	-0.2534	-0.03605	0.3811	-0.0077	0.0151	8.262	-0.2534	79.96
RohnGP	-0.007664	-0.1423	-0.02692	0.2632	-0.0162	0.0105	9.047	-0.1423	59.97
RohnHP	-0.00782	-0.06359	-0.01804	0.1840	0.0083	0.0075	9.833	-0.06359	39.98
RohnIP	-0.006049	-0.01694	-0.009035	0.0883	0.0190	0.0036	10.62	-0.01694	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	9.052e-006	-1.231	-0.07953	0.6546	-0.0207	0.0256	2.333	-1.231	179.9
SNB-BP	-0.0006597	-1.004	-0.07038	0.6461	-0.0090	0.0254	3.12	-1.004	159.9
SNB-CP	-0.001687	-0.782	-0.06123	0.6196	0.0147	0.0246	3.906	-0.782	139.9
SNB-DP	-0.002577	-0.5754	-0.05216	0.5603	-0.0048	0.0221	4.692	-0.5754	119.9
SNB-EP	-0.002655	-0.3966	-0.04307	0.4498	0.0027	0.0178	5.478	-0.3966	99.96
SNB-FP	-0.004972	-0.2527	-0.03452	0.3763	0.0008	0.0149	6.263	-0.2527	79.97
SNB-GP	-0.006885	-0.1415	-0.02593	0.2676	-0.0312	0.0106	7.048	-0.1415	59.97
SNB-HP	-0.007041	-0.06321	-0.01741	0.1824	0.0073	0.0074	7.834	-0.06321	39.98
SNB-IP	-0.005269	-0.0163	-0.008754	0.0917	0.0191	0.0038	8.623	-0.0163	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	-6.337e-005	-1.227	-0.1244	0.6393	0.0142	-0.0129	-2.167	-4.98	179.9
RohnA2	0.005342	-1.232	-0.0403	0.6731	0.0114	-0.0128	-2.161	2.521	180
RohnB1	-0.0004894	-0.9993	-0.1213	0.6379	0.0072	-0.0127	-2.561	-5.434	159.9
RohnB2	0.005458	-1.004	-0.02478	0.6543	0.0022	-0.0128	-2.555	3.431	160
RohnC1	0.0002265	-0.7779	-0.1161	0.6137	-0.0119	-0.0118	-2.954	-5.895	139.9
RohnC2	0.004841	-0.7841	-0.01136	0.6005	0.0063	-0.0116	-2.95	4.333	140
RohnD1	0.0004862	-0.5709	-0.1086	0.5514	-0.0006	-0.0109	-3.347	-6.369	119.9
RohnD2	0.004627	-0.5783	-0.0003321	0.5563	0.0050	-0.0108	-3.343	5.22	120
RohnE1	0.0006675	-0.3929	-0.0942	0.4567	-0.0026	-0.0090	-3.74	-6.872	99.91
RohnE2	0.003888	-0.3998	0.004219	0.4499	-0.0004	-0.0090	-3.737	6.079	100
RohnF1	0.00157	-0.2474	-0.07925	0.3579	0.0121	-0.0074	-4.132	-7.408	79.92
RohnF2	0.004858	-0.258	0.007325	0.3713	-0.0029	-0.0075	-4.129	6.902	80.01
RohnG1	0.002611	-0.1354	-0.05983	0.2495	0.0067	-0.0052	-4.525	-7.977	59.94
RohnG2	0.005406	-0.1489	0.006111	0.2776	0.0102	-0.0052	-4.522	7.693	60.01
RohnH1	0.002808	-0.05719	-0.04151	0.1858	-0.0022	-0.0037	-4.918	-8.58	39.96
RohnH2	0.005157	-0.07082	0.005494	0.1716	-0.0056	-0.0037	-4.915	8.452	40.01
RohnI1	0.002427	-0.01195	-0.02002	0.0976	-0.0064	-0.0018	-5.313	-9.218	19.98
RohnI2	0.003658	-0.02241	0.001978	0.0644	-0.0122	-0.0018	-5.311	9.183	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	0.002184	-1.23	-0.1025	0.6383	0.0125	-0.0129	-1.164	-3.25	179.9
SNB-A2	0.002387	-1.233	-0.05644	0.6721	0.0130	-0.0127	-1.164	0.7878	179.9
SNB-B1	0.002002	-1.002	-0.1005	0.6363	0.0066	-0.0127	-1.558	-3.705	159.9
SNB-B2	0.002191	-1.005	-0.04013	0.6537	0.0054	-0.0127	-1.558	1.698	160
SNB-C1	0.001821	-0.7798	-0.097	0.6266	-0.0034	-0.0123	-1.952	-4.164	139.9
SNB-C2	0.002444	-0.7845	-0.02529	0.6026	-0.0089	-0.0123	-1.952	2.6	140
SNB-D1	0.001884	-0.5727	-0.0907	0.5513	0.0059	-0.0110	-2.346	-4.639	119.9
SNB-D2	0.002465	-0.5786	-0.01345	0.5606	0.0011	-0.0111	-2.345	3.487	120
SNB-E1	0.001506	-0.3943	-0.07913	0.4521	-0.0008	-0.0089	-2.739	-5.141	99.92
SNB-E2	0.002303	-0.3998	-0.006869	0.4480	-0.0003	-0.0089	-2.738	4.347	99.99
SNB-F1	0.002337	-0.2488	-0.0682	0.3670	0.0058	-0.0074	-3.132	-5.677	79.93
SNB-F2	0.00331	-0.2579	-0.000728	0.3660	-0.0053	-0.0075	-3.131	5.17	80
SNB-G1	0.002961	-0.1365	-0.05361	0.2358	0.0189	-0.0053	-3.525	-6.246	59.95
SNB-G2	0.004292	-0.1487	0.001841	0.2896	0.0133	-0.0053	-3.523	5.961	60
SNB-H1	0.002934	-0.05817	-0.03785	0.1852	-0.0015	-0.0037	-3.918	-6.849	39.96
SNB-H2	0.004275	-0.07043	0.003077	0.1728	-0.0053	-0.0037	-3.916	6.72	40
SNB-I1	0.002117	-0.01267	-0.01909	0.0999	-0.0046	-0.0019	-4.312	-7.485	19.98

SNB-I2	0.003214	-0.02176	0.001607	0.0668	-0.0142	-0.0019	-4.311	7.45	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	0.0001795	-1.178	-0.08019	0.6562	0.0055	0.0259	4.53	-1.178	174.9
RohnAbS	-0.0009596	-1.12	-0.0779	0.6627	-0.0014	0.0261	4.726	-1.12	169.9
RohnAcS	-0.0001439	-1.063	-0.07553	0.6412	0.0049	0.0253	4.924	-1.063	164.9
RohnBaS	-0.0004632	-0.9502	-0.07088	0.6353	0.0030	0.0251	5.318	-0.9502	154.9
RohnBbS	-0.001671	-0.8954	-0.0686	0.6445	-0.0028	0.0254	5.513	-0.8954	149.9
RohnBcS	-0.000523	-0.8381	-0.06616	0.6377	0.0039	0.0252	5.711	-0.8381	144.9
RohnCaS	-0.001398	-0.7147	-0.0608	0.6142	-0.0159	0.0241	6.169	-0.7147	133.3
RohnCbS	-0.001162	-0.6433	-0.05758	0.5938	0.0156	0.0236	6.432	-0.6433	126.6
RohnDaS	-0.001477	-0.5138	-0.05141	0.5382	-0.0125	0.0212	6.955	-0.5138	113.3
RohnDbS	-0.002079	-0.4529	-0.04816	0.4941	0.0130	0.0197	7.217	-0.4529	106.6
RohnEaS	-0.002774	-0.3465	-0.04207	0.4302	-0.0214	0.0169	7.74	-0.3465	93.3
RohnEbS	-0.001462	-0.2986	-0.03887	0.3965	0.0249	0.0159	8.004	-0.2986	86.62
RohnFaS	0.0004056	-0.191	-0.03113	0.3159	0.0126	0.0125	8.662	-0.191	69.97
RohnGaS	0.000547	-0.09823	-0.02217	0.2259	0.0011	0.0090	9.449	-0.09823	49.98
RohnHaS	-0.0008812	-0.0345	-0.01338	0.1322	-0.0159	0.0052	10.23	-0.0345	29.99
RohnIaS	-0.004944	-0.003506	-0.004751	0.0506	-0.0321	0.0021	11.02	-0.003506	9.995
SNB-AaS	0.0009652	-1.174	-0.07722	0.6543	0.0055	0.0259	2.531	-1.174	174.9
SNB-AbS	-0.0001751	-1.117	-0.07495	0.6553	-0.0014	0.0259	2.727	-1.117	169.9
SNB-AcS	0.0006405	-1.06	-0.07261	0.6481	0.0052	0.0256	2.925	-1.06	164.9
SNB-BaS	0.000321	-0.9472	-0.06805	0.6444	0.0032	0.0255	3.318	-0.9472	154.9
SNB-BbS	-0.000885	-0.8914	-0.06579	0.6334	-0.0024	0.0250	3.514	-0.8914	149.9
SNB-BcS	0.0002596	-0.8365	-0.06343	0.6261	0.0023	0.0248	3.712	-0.8365	144.9
SNB-CaS	-0.0006121	-0.7108	-0.05822	0.6049	-0.0178	0.0237	4.169	-0.7108	133.3
SNB-CbS	-0.0003798	-0.6414	-0.05504	0.5797	0.0167	0.0231	4.433	-0.6414	126.6
SNB-DaS	-0.000694	-0.5112	-0.0491	0.5364	-0.0119	0.0211	4.956	-0.5112	113.3
SNB-DbS	-0.001297	-0.4513	-0.04596	0.4909	0.0133	0.0195	5.218	-0.4513	106.6
SNB-EaS	-0.001993	-0.3454	-0.04023	0.4276	-0.0203	0.0168	5.741	-0.3454	93.3
SNB-EbS	-0.0006813	-0.2973	-0.03713	0.3959	0.0225	0.0158	6.005	-0.2973	86.62
SNB-FaS	0.001186	-0.1907	-0.02983	0.3162	0.0143	0.0125	6.663	-0.1907	69.97
SNB-GaS	0.001327	-0.09711	-0.02139	0.2237	0.0051	0.0089	7.449	-0.09711	49.98
SNB-HaS	-0.0001008	-0.03384	-0.01302	0.1329	-0.0155	0.0053	8.234	-0.03384	29.99
SNB-IaS	-0.004163	-0.002403	-0.004826	0.0470	-0.0286	0.0019	9.017	-0.002403	9.995
SNB-WL-A1S	0.001246	-1.23	-0.1389	0.0000	0.0000	0.0000	0.5845	-2.241	179.9
SNB-WL-A2S	0.001973	-1.231	-0.1265	0.0000	0.0000	0.0000	-1.165	-1.231	179.9
SNB-WL-A3S	0.001335	-1.231	-0.1158	0.0000	0.0000	0.0000	0.5846	-0.221	179.9
SNB-WL-B1S	0.0008143	-1.002	-0.1432	0.0000	0.0000	0.0000	0.7811	-2.354	159.9
SNB-WL-B2S	0.001777	-1.003	-0.1263	0.0000	0.0000	0.0000	-1.559	-1.003	159.9
SNB-WL-B3S	0.0009127	-1.004	-0.1115	0.0000	0.0000	0.0000	0.7812	0.3479	159.9
SNB-WL-C1S	0.000426	-0.7807	-0.1538	0.0000	0.0000	0.0000	0.9774	-2.473	139.8
SNB-WL-C2S	0.001604	-0.7813	-0.1424	0.0000	0.0000	0.0000	-1.952	-0.7813	139.9
SNB-WL-C3S	0.0004956	-0.7821	-0.1322	0.0000	0.0000	0.0000	0.9775	0.9101	139.9
SNB-WL-D1S	0.0001057	-0.5739	-0.1704	0.0000	0.0000	0.0000	1.174	-2.607	119.8
SNB-WL-D2S	0.001498	-0.5746	-0.1574	0.0000	0.0000	0.0000	-2.346	-0.5746	119.8
SNB-WL-D3S	0.0001435	-0.5756	-0.1445	0.0000	0.0000	0.0000	1.174	1.457	119.9
SNB-WL-E1S	-0.0001904	-0.3955	-0.1454	0.0000	0.0000	0.0000	1.37	-2.769	99.85
SNB-WL-E2S	0.001424	-0.3964	-0.1395	0.0000	0.0000	0.0000	-2.739	-0.3964	99.86
SNB-WL-E3S	-0.0001683	-0.3974	-0.1348	0.0000	0.0000	0.0000	1.37	1.976	99.87
SNB-WL-F1S	-0.0004111	-0.2514	-0.2073	0.0000	0.0000	0.0000	1.567	-2.965	79.79
SNB-WL-F2S	0.001423	-0.2523	-0.2018	0.0000	0.0000	0.0000	-3.133	-0.2523	79.8
SNB-WL-F3S	-0.00041	-0.2535	-0.1972	0.0000	0.0000	0.0000	1.567	2.461	79.8
SNB-WL-G1S	-0.0005868	-0.1405	-0.2447	0.0000	0.0000	0.0000	1.763	-3.195	59.76
SNB-WL-G2S	0.001463	-0.1416	-0.2449	0.0000	0.0000	0.0000	-3.526	-0.1416	59.76
SNB-WL-G3S	-0.0006147	-0.1429	-0.2464	0.0000	0.0000	0.0000	1.763	2.912	59.75
SNB-WL-H1S	-0.0007226	-0.06236	-0.2411	0.0000	0.0000	0.0000	1.96	-3.458	39.76
SNB-WL-H2S	0.00155	-0.06362	-0.2461	0.0000	0.0000	0.0000	-3.919	-0.06362	39.75
SNB-WL-H3S	-0.000765	-0.06502	-0.2522	0.0000	0.0000	0.0000	1.959	3.33	39.75
SNB-WL-I1S	-0.0008258	-0.01556	-0.182	0.0000	0.0000	0.0000	2.156	-3.752	19.82
SNB-WL-I2S	0.00167	-0.01697	-0.1927	0.0000	0.0000	0.0000	-4.312	-0.01697	19.81
SNB-WL-I3S	-0.0008813	-0.01851	-0.2047	0.0000	0.0000	0.0000	2.156	3.718	19.8
RohnAa1	-0.0008063	-1.171	-0.124	0.6572	-0.0027	-0.0129	-2.266	-5.094	174.9
RohnAa2	0.004884	-1.174	-0.03606	0.6539	-0.0042	-0.0131	-2.26	2.749	175
RohnAb1	-0.0002869	-1.113	-0.1233	0.6537	0.0050	-0.0130	-2.364	-5.207	169.9
RohnAb2	0.005638	-1.117	-0.03208	0.6558	0.0011	-0.0129	-2.358	2.976	170

RohnAc1	-0.001256	-1.057	-0.1224	0.6553	-0.0009	-0.0129	-2.463	-5.321	164.9
RohnAc2	0.004971	-1.06	-0.02827	0.6455	0.0019	-0.0127	-2.457	3.204	165
RohnBa1	-0.001226	-0.944	-0.1203	0.6397	-0.0064	-0.0124	-2.66	-5.55	154.9
RohnBa2	0.004936	-0.9472	-0.02107	0.6354	0.0065	-0.0123	-2.654	3.658	155
RohnBb1	4.907e-005	-0.8876	-0.1192	0.6347	0.0015	-0.0125	-2.757	-5.664	149.9
RohnBb2	0.004652	-0.8928	-0.01762	0.6407	0.0042	-0.0125	-2.753	3.883	150
RohnBc1	-0.001207	-0.8331	-0.1177	0.6297	0.0016	-0.0124	-2.857	-5.78	144.9
RohnBc2	0.004485	-0.8362	-0.01424	0.6245	-0.0031	-0.0125	-2.852	4.111	145
RohnCa1	1.666e-005	-0.7084	-0.114	0.5894	0.0116	-0.0119	-3.085	-6.052	133.2
RohnCa2	0.003608	-0.7127	-0.007248	0.6177	0.0069	-0.0119	-3.082	4.631	133.3
RohnCb1	-0.0008366	-0.6391	-0.1114	0.5987	-0.0051	-0.0117	-3.217	-6.21	126.5
RohnCb2	0.004011	-0.6428	-0.003449	0.5732	-0.0086	-0.0117	-3.213	4.929	126.7
RohnDa1	-0.000631	-0.5097	-0.1043	0.5176	0.0108	-0.0105	-3.479	-6.534	113.2
RohnDa2	0.00363	-0.5136	0.001814	0.5399	0.0038	-0.0106	-3.475	5.511	113.3
RohnDb1	-0.0006475	-0.4492	-0.09945	0.5062	-0.0091	-0.0098	-3.61	-6.701	106.6
RohnDb2	0.003998	-0.454	0.003381	0.4847	-0.0022	-0.0097	-3.606	5.798	106.7
RohnEa1	-4.894e-005	-0.3424	-0.08956	0.4051	0.0131	-0.0084	-3.872	-7.048	93.25
RohnEa2	0.003752	-0.3482	0.005639	0.4424	0.0100	-0.0084	-3.868	6.358	93.35
RohnEb1	-0.0004908	-0.2957	-0.08441	0.4189	-0.0154	-0.0079	-4.003	-7.229	86.58
RohnEb2	0.002731	-0.299	0.006868	0.3772	-0.0087	-0.0079	-4	6.634	86.67
RohnFa1	-0.002961	-0.1931	-0.06972	0.3266	-0.0075	-0.0062	-4.334	-7.694	69.93
RohnFa2	0.00292	-0.193	0.007592	0.3055	-0.0043	-0.0062	-4.328	7.308	70.01
RohnGa1	-0.002128	-0.09977	-0.05076	0.2244	-0.0004	-0.0044	-4.726	-8.282	49.95
RohnGa2	0.001711	-0.09916	0.006506	0.2227	-0.0001	-0.0045	-4.722	8.083	50.01
RohnHa1	-0.001516	-0.03578	-0.03097	0.1204	0.0056	-0.0026	-5.119	-8.9	29.97
RohnHa2	0.002364	-0.03749	0.004242	0.1481	0.0105	-0.0026	-5.115	8.827	30
RohnIa1	0.0011	-0.001096	-0.01044	0.0241	0.0136	-0.0010	-5.511	-9.549	9.99
RohnIa2	0.003772	-0.009745	0.0009524	0.0796	0.0185	-0.0010	-5.509	9.538	10
SNB-Aa1	0.001511	-1.173	-0.1021	0.6579	-0.0017	-0.0129	-1.263	-3.365	174.9
SNB-Aa2	0.001741	-1.175	-0.05219	0.6521	-0.0010	-0.0130	-1.263	1.016	174.9
SNB-Ab1	0.001951	-1.116	-0.1017	0.6525	0.0029	-0.0129	-1.362	-3.477	169.9
SNB-Ab2	0.002257	-1.118	-0.04807	0.6558	0.0014	-0.0129	-1.361	1.243	170
SNB-Ac1	0.001321	-1.059	-0.1011	0.6550	-0.0026	-0.0129	-1.461	-3.591	164.9
SNB-Ac2	0.001765	-1.061	-0.04398	0.6464	0.0002	-0.0128	-1.46	1.472	165
SNB-Ba1	0.001208	-0.9464	-0.09977	0.6445	0.0011	-0.0127	-1.658	-3.82	154.9
SNB-Ba2	0.001718	-0.9481	-0.03617	0.6399	-0.0013	-0.0127	-1.657	1.925	155
SNB-Bb1	0.00171	-0.8896	-0.099	0.6346	0.0002	-0.0125	-1.756	-3.933	149.9
SNB-Bb2	0.002197	-0.8932	-0.03242	0.6401	0.0048	-0.0125	-1.755	2.15	150
SNB-Bc1	0.001183	-0.8355	-0.09801	0.6272	0.0002	-0.0124	-1.854	-4.049	144.9
SNB-Bc2	0.001334	-0.837	-0.02869	0.6247	0.0001	-0.0124	-1.854	2.377	145
SNB-Ca1	0.0009304	-0.7099	-0.09536	0.5870	0.0113	-0.0118	-2.084	-4.321	133.2
SNB-Ca2	0.001954	-0.7127	-0.02092	0.6185	0.0090	-0.0118	-2.083	2.899	133.3
SNB-Cb1	0.0006495	-0.641	-0.09312	0.5977	-0.0098	-0.0116	-2.216	-4.48	126.6
SNB-Cb2	0.001747	-0.6431	-0.0168	0.5701	-0.0049	-0.0115	-2.215	3.196	126.6
SNB-Da1	0.0002545	-0.5112	-0.08745	0.5188	0.0110	-0.0105	-2.478	-4.804	113.3
SNB-Da2	0.001956	-0.5136	-0.01061	0.5400	0.0032	-0.0106	-2.476	3.779	113.3
SNB-Db1	0.0004563	-0.4508	-0.08348	0.5077	-0.0095	-0.0098	-2.609	-4.971	106.6
SNB-Db2	0.002124	-0.4541	-0.00831	0.4858	-0.0025	-0.0097	-2.608	4.066	106.7
SNB-Ea1	0.0009493	-0.344	-0.07593	0.4077	0.0123	-0.0084	-2.871	-5.318	93.26
SNB-Ea2	0.001983	-0.3483	-0.004392	0.4430	0.0098	-0.0084	-2.87	4.625	93.34
SNB-Eb1	0.0002371	-0.2971	-0.07204	0.4174	-0.0124	-0.0079	-3.003	-5.498	86.59
SNB-Eb2	0.001226	-0.299	-0.002089	0.3796	-0.0092	-0.0079	-3.002	4.902	86.66
SNB-Fa1	-0.002224	-0.1945	-0.06096	0.3295	-0.0076	-0.0062	-3.333	-5.963	69.94
SNB-Fa2	0.001442	-0.193	0.001369	0.3055	-0.0060	-0.0063	-3.329	5.576	70
SNB-Ga1	-0.002131	-0.1007	-0.04581	0.2288	-0.0029	-0.0044	-3.726	-6.551	49.95
SNB-Ga2	0.0009579	-0.09869	0.003093	0.2203	-0.0018	-0.0045	-3.723	6.351	50
SNB-Ha1	-0.001668	-0.03659	-0.02876	0.1215	0.0066	-0.0026	-4.119	-7.168	29.97
SNB-Ha2	0.001771	-0.03693	0.002749	0.1486	0.0092	-0.0027	-4.115	7.094	30
SNB-Ia1	0.000416	-0.001603	-0.01029	0.0268	0.0118	-0.0009	-4.51	-7.814	9.99
SNB-Ia2	0.003712	-0.008878	0.000647	0.0761	0.0170	-0.0010	-4.507	7.804	10

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

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Force (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Result. Usage %	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %

RohnJP	9.86	0.0	1.94	0.0	19.63	0.0	0.0	22.05	0.0	-0.70	0.0	4.0	0.0	-0.03	0.0	0.0
SNB-JP	22.94	0.0	3.19	0.0	19.42	0.0	0.0	30.22	0.0	0.74	0.0	6.7	0.0	0.03	0.0	0.0
RohnJ1	3.00	0.0	6.68	0.0	249.25	0.0	0.0	249.35	0.0	0.79	0.0	-0.6	0.0	0.01	0.0	0.0
RohnJ2	-12.85	0.0	23.79	0.0	-210.40	0.0	0.0	212.13	0.0	-6.17	0.0	-3.2	0.0	0.01	0.0	0.0
SNB-J1	1.42	0.0	5.65	0.0	296.17	0.0	0.0	296.23	0.0	0.71	0.0	0.1	0.0	-0.02	0.0	0.0
SNB-J2	-24.36	0.0	45.27	0.0	-257.64	0.0	0.0	262.72	0.0	-11.15	0.0	-6.8	0.0	-0.01	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	-1.3800	-0.5168	-0.0000	1.3800	0.5168	-0.0008	-1.2347	-0.0825
RohnBP	0.0000	-1.4777	-0.7107	-0.0000	1.4777	0.7107	-0.0014	-1.0072	-0.0732
RohnCP	0.0000	-0.7156	-0.5960	0.0000	0.7156	0.5960	-0.0025	-0.7850	-0.0639
RohnDP	0.0000	-1.3577	-1.5259	0.0000	1.3577	1.5259	-0.0034	-0.5771	-0.0546
RohnEP	0.0000	-0.5735	-0.8302	0.0000	0.5735	0.8302	-0.0034	-0.3985	-0.0451
RohnFP	0.0000	-0.7246	-1.1116	0.0000	0.7246	1.1116	-0.0058	-0.2534	-0.0361
RohnGP	0.0000	-0.6873	-1.3426	0.0000	0.6873	1.3426	-0.0077	-0.1423	-0.0269
RohnHP	0.0000	-0.6489	-1.4805	0.0000	0.6489	1.4805	-0.0078	-0.0636	-0.0180
RohnIP	0.0000	-0.7154	-1.7490	0.0000	0.7154	1.7490	-0.0060	-0.0169	-0.0090
RohnJP	0.0000	-0.3798	-0.9701	-9.8604	-1.5643	-18.6613	0.0000	0.0000	0.0000
SNB-AP	0.0000	-0.1463	-0.1352	-0.0000	0.1463	0.1352	0.0000	-1.2314	-0.0795
SNB-BP	0.0000	-0.3457	-0.3359	-0.0000	0.3457	0.3359	-0.0007	-1.0037	-0.0704
SNB-CP	0.0000	-0.4780	-0.5256	0.0000	0.4780	0.5256	-0.0017	-0.7820	-0.0612
SNB-DP	0.0000	-0.5620	-0.6860	-0.0000	0.5620	0.6860	-0.0026	-0.5754	-0.0522
SNB-EP	0.0000	-0.5735	-0.8302	0.0000	0.5735	0.8302	-0.0027	-0.3966	-0.0431
SNB-FP	0.0000	-0.6409	-1.0901	0.0000	0.6409	1.0901	-0.0050	-0.2527	-0.0345
SNB-GP	0.0000	-0.6873	-1.3426	-0.0000	0.6873	1.3426	-0.0069	-0.1415	-0.0259
SNB-HP	0.0000	-0.6489	-1.4805	0.0000	0.6489	1.4805	-0.0070	-0.0632	-0.0174
SNB-IP	0.0000	-0.6921	-1.7290	0.0000	0.6921	1.7290	-0.0053	-0.0163	-0.0088
SNB-JP	0.0000	-0.3798	-0.9701	-22.9365	-2.8086	-18.4469	0.0000	0.0000	0.0000
RohnA1	0.0000	-1.5593	-0.5676	0.0000	1.5593	0.5676	-0.0001	-1.2275	-0.1244
RohnA2	0.0000	-1.8067	-0.7497	0.0000	1.8067	0.7497	0.0053	-1.2319	-0.0403
RohnB1	0.0000	-0.6389	-0.4807	0.0000	0.6389	0.4807	-0.0005	-0.9993	-0.1213
RohnB2	0.0000	-0.6207	-0.4207	0.0000	0.6207	0.4207	0.0055	-1.0043	-0.0248
RohnC1	0.0000	-0.8279	-0.9160	0.0000	0.8279	0.9160	0.0002	-0.7779	-0.1161
RohnC2	0.0000	-0.7156	-0.5960	0.0000	0.7156	0.5960	0.0048	-0.7841	-0.0114
RohnD1	0.0000	-1.3577	-1.5259	0.0000	1.3577	1.5259	0.0005	-0.5709	-0.1086
RohnD2	0.0000	-1.3577	-1.5259	0.0000	1.3577	1.5259	0.0046	-0.5783	-0.0003
RohnE1	0.0000	-0.5735	-0.8302	0.0000	0.5735	0.8302	0.0007	-0.3929	-0.0942
RohnE2	0.0000	-0.5735	-0.8302	0.0000	0.5735	0.8302	0.0039	-0.3998	0.0042
RohnF1	0.0000	-0.8204	-1.1611	0.0000	0.8204	1.1611	0.0016	-0.2474	-0.0792
RohnF2	0.0000	-0.7246	-1.1116	0.0000	0.7246	1.1116	0.0049	-0.2580	0.0073
RohnG1	0.0000	-0.7149	-1.3626	0.0000	0.7149	1.3626	0.0026	-0.1354	-0.0598
RohnG2	0.0000	-0.7149	-1.3626	0.0000	0.7149	1.3626	0.0054	-0.1489	0.0061
RohnH1	0.0000	-0.6489	-1.4805	-0.0000	0.6489	1.4805	0.0028	-0.0572	-0.0415
RohnH2	0.0000	-0.6489	-1.4805	0.0000	0.6489	1.4805	0.0052	-0.0708	0.0055
RohnI1	0.0000	-0.6921	-1.7290	-0.0000	0.6921	1.7290	0.0024	-0.0119	-0.0200
RohnI2	0.0000	-0.6921	-1.7290	0.0000	0.6921	1.7290	0.0037	-0.0224	0.0020
RohnJ1	0.0000	-0.3798	-0.9701	-3.0007	-6.3033	-248.2768	0.0000	0.0000	0.0000
RohnJ2	0.0000	-0.3798	-0.9701	12.8521	-23.4106	211.3706	0.0000	0.0000	0.0000
SNB-A1	0.0000	-0.1463	-0.1352	-0.0000	0.1463	0.1352	0.0022	-1.2298	-0.1025
SNB-A2	0.0000	-0.1463	-0.1352	-0.0000	0.1463	0.1352	0.0024	-1.2327	-0.0564
SNB-B1	0.0000	-0.3457	-0.3359	-0.0000	0.3457	0.3359	0.0020	-1.0017	-0.1005
SNB-B2	0.0000	-0.3457	-0.3359	-0.0000	0.3457	0.3359	0.0022	-1.0052	-0.0401
SNB-C1	0.0000	-0.4780	-0.5256	-0.0000	0.4780	0.5256	0.0018	-0.7798	-0.0970
SNB-C2	0.0000	-0.4780	-0.5256	-0.0000	0.4780	0.5256	0.0024	-0.7845	-0.0253
SNB-D1	0.0000	-0.5620	-0.6860	-0.0000	0.5619	0.6860	0.0019	-0.5727	-0.0907
SNB-D2	0.0000	-0.5620	-0.6860	-0.0000	0.5620	0.6860	0.0025	-0.5786	-0.0135
SNB-E1	0.0000	-0.5735	-0.8302	-0.0000	0.5735	0.8302	0.0015	-0.3943	-0.0791
SNB-E2	0.0000	-0.5735	-0.8302	-0.0000	0.5735	0.8302	0.0023	-0.3998	-0.0069
SNB-F1	0.0000	-0.6409	-1.0901	-0.0000	0.6409	1.0901	0.0023	-0.2488	-0.0682

SNB-F2	0.0000	-0.6409	-1.0901	-0.0000	0.6409	1.0901	0.0033	-0.2579	-0.0007
SNB-G1	0.0000	-0.6873	-1.3426	-0.0000	0.6873	1.3426	0.0030	-0.1365	-0.0536
SNB-G2	0.0000	-0.6873	-1.3426	-0.0000	0.6873	1.3426	0.0043	-0.1487	0.0018
SNB-H1	0.0000	-0.6489	-1.4805	-0.0000	0.6489	1.4805	0.0029	-0.0582	-0.0378
SNB-H2	0.0000	-0.6489	-1.4805	-0.0000	0.6489	1.4805	0.0043	-0.0704	0.0031
SNB-I1	0.0000	-0.6921	-1.7290	-0.0000	0.6921	1.7290	0.0021	-0.0127	-0.0191
SNB-I2	0.0000	-0.6921	-1.7290	-0.0000	0.6921	1.7290	0.0032	-0.0218	0.0016
SNB-J1	0.0000	-0.3798	-0.9701	-1.4186	-5.2745	-295.2038	0.0000	0.0000	0.0000
SNB-J2	0.0000	-0.3798	-0.9701	24.3642	-44.8902	258.6108	0.0000	0.0000	0.0000
RohnAaS	0.0000	-1.2463	-0.3652	0.0000	1.2463	0.3652	0.0002	-1.1781	-0.0802
RohnAbS	0.0000	-0.1982	-0.1602	-0.0000	0.1982	0.1602	-0.0010	-1.1202	-0.0779
RohnAcS	0.0000	-0.1647	-0.1552	0.0000	0.1647	0.1552	-0.0001	-1.0631	-0.0755
RohnBaS	0.0000	-0.1994	-0.2007	0.0000	0.1994	0.2007	-0.0005	-0.9502	-0.0709
RohnBbS	0.0000	-1.8582	-1.1757	-0.0000	1.8582	1.1757	-0.0017	-0.8954	-0.0686
RohnBcS	0.0000	-0.3377	-0.4457	-0.0000	0.3377	0.4457	-0.0005	-0.8381	-0.0662
RohnCaS	0.0000	-2.2791	-1.2307	-0.0000	2.2791	1.2307	-0.0014	-0.7147	-0.0608
RohnCbS	0.0000	-0.2785	-0.3250	0.0000	0.2785	0.3250	-0.0012	-0.6433	-0.0576
RohnDaS	0.0000	-0.4123	-0.6061	-0.0000	0.4123	0.6061	-0.0015	-0.5138	-0.0514
RohnDbS	0.0000	-0.2834	-0.3611	0.0000	0.2834	0.3611	-0.0021	-0.4529	-0.0482
RohnEaS	0.0000	-0.2901	-0.4692	-0.0000	0.2901	0.4692	-0.0028	-0.3465	-0.0421
RohnEbS	0.0000	-0.3360	-0.5442	0.0000	0.3360	0.5442	-0.0015	-0.2986	-0.0389
RohnFaS	0.0000	-0.3508	-0.6209	-0.0000	0.3508	0.6209	0.0004	-0.1910	-0.0311
RohnGaS	0.0000	-0.3366	-0.7217	-0.0000	0.3366	0.7217	0.0005	-0.0982	-0.0222
RohnHaS	0.0000	-0.3123	-0.7589	-0.0000	0.3123	0.7589	-0.0009	-0.0345	-0.0134
RohnIaS	0.0000	-0.3798	-0.9701	0.0000	0.3798	0.9701	-0.0049	-0.0035	-0.0048
SNB-AaS	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	0.0010	-1.1742	-0.0772
SNB-AbS	0.0000	-0.1463	-0.1352	-0.0000	0.1463	0.1352	-0.0002	-1.1171	-0.0750
SNB-AcS	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	0.0006	-1.0600	-0.0726
SNB-BaS	0.0000	-0.1994	-0.2007	0.0000	0.1994	0.2007	0.0003	-0.9472	-0.0680
SNB-BbS	0.0000	-0.1994	-0.2007	-0.0000	0.1994	0.2007	-0.0009	-0.8914	-0.0658
SNB-BcS	0.0000	-0.1994	-0.2007	-0.0000	0.1994	0.2007	0.0003	-0.8365	-0.0634
SNB-CaS	0.0000	-0.2785	-0.3250	-0.0000	0.2785	0.3250	-0.0006	-0.7108	-0.0582
SNB-CbS	0.0000	-0.2785	-0.3250	0.0000	0.2785	0.3250	-0.0004	-0.6414	-0.0550
SNB-DaS	0.0000	-0.2834	-0.3611	-0.0000	0.2834	0.3611	-0.0007	-0.5112	-0.0491
SNB-DbS	0.0000	-0.2834	-0.3611	0.0000	0.2834	0.3611	-0.0013	-0.4513	-0.0460
SNB-EaS	0.0000	-0.2901	-0.4692	-0.0000	0.2901	0.4692	-0.0020	-0.3454	-0.0402
SNB-EbS	0.0000	-0.2901	-0.4692	0.0000	0.2901	0.4692	-0.0007	-0.2973	-0.0371
SNB-FaS	0.0000	-0.3508	-0.6209	0.0000	0.3508	0.6209	0.0012	-0.1907	-0.0298
SNB-GaS	0.0000	-0.3366	-0.7217	0.0000	0.3366	0.7217	0.0013	-0.0971	-0.0214
SNB-HaS	0.0000	-0.3123	-0.7589	0.0000	0.3123	0.7589	-0.0001	-0.0338	-0.0130
SNB-IaS	0.0000	-0.3798	-0.9701	0.0000	0.3798	0.9701	-0.0042	-0.0024	-0.0048
SNB-WL-A1S	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	0.0012	-1.2303	-0.1389
SNB-WL-A2S	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	0.0020	-1.2307	-0.1265
SNB-WL-A3S	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	0.0013	-1.2313	-0.1158
SNB-WL-B1S	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	0.0008	-1.0023	-0.1432
SNB-WL-B2S	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	0.0018	-1.0028	-0.1263
SNB-WL-B3S	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	0.0009	-1.0036	-0.1115
SNB-WL-C1S	0.0000	-0.1994	-0.2007	-0.0000	0.1994	0.2007	0.0004	-0.7807	-0.1538
SNB-WL-C2S	0.0000	-0.1994	-0.2007	0.0000	0.1994	0.2007	0.0016	-0.7813	-0.1424
SNB-WL-C3S	0.0000	-0.1994	-0.2007	0.0000	0.1994	0.2007	0.0005	-0.7821	-0.1322
SNB-WL-D1S	0.0000	-0.2785	-0.3250	-0.0000	0.2785	0.3250	0.0001	-0.5739	-0.1704
SNB-WL-D2S	0.0000	-0.2785	-0.3250	0.0000	0.2785	0.3250	0.0015	-0.5746	-0.1574
SNB-WL-D3S	0.0000	-0.2785	-0.3250	-0.0000	0.2785	0.3250	0.0001	-0.5756	-0.1445
SNB-WL-E1S	0.0000	-0.2834	-0.3611	-0.0000	0.2834	0.3611	-0.0002	-0.3955	-0.1454
SNB-WL-E2S	0.0000	-0.2834	-0.3611	0.0000	0.2834	0.3611	0.0014	-0.3964	-0.1395
SNB-WL-E3S	0.0000	-0.2834	-0.3611	-0.0000	0.2834	0.3611	-0.0002	-0.3974	-0.1348
SNB-WL-F1S	0.0000	-0.2901	-0.4692	-0.0000	0.2901	0.4692	-0.0004	-0.2514	-0.2073
SNB-WL-F2S	0.0000	-0.2901	-0.4692	0.0000	0.2901	0.4692	0.0014	-0.2523	-0.2018
SNB-WL-F3S	0.0000	-0.2901	-0.4692	-0.0000	0.2901	0.4692	-0.0004	-0.2535	-0.1972
SNB-WL-G1S	0.0000	-0.3508	-0.6209	-0.0000	0.3508	0.6209	-0.0006	-0.1405	-0.2447
SNB-WL-G2S	0.0000	-0.3508	-0.6209	0.0000	0.3508	0.6209	0.0015	-0.1416	-0.2449
SNB-WL-G3S	0.0000	-0.3508	-0.6209	-0.0000	0.3508	0.6209	-0.0006	-0.1429	-0.2464
SNB-WL-H1S	0.0000	-0.3366	-0.7217	-0.0000	0.3366	0.7217	-0.0007	-0.0624	-0.2411
SNB-WL-H2S	0.0000	-0.3366	-0.7217	0.0000	0.3366	0.7217	0.0015	-0.0636	-0.2461
SNB-WL-H3S	0.0000	-0.3366	-0.7217	-0.0000	0.3366	0.7217	-0.0008	-0.0650	-0.2522
SNB-WL-I1S	0.0000	-0.3123	-0.7589	-0.0000	0.3123	0.7589	-0.0008	-0.0156	-0.1820

SNB-WL-I2S	0.0000	-0.3123	-0.7589	0.0000	0.3123	0.7589	0.0017	-0.0170	-0.1927
SNB-WL-I3S	0.0000	-0.3123	-0.7589	-0.0000	0.3123	0.7589	-0.0009	-0.0185	-0.2047
RohnAa1	0.0000	-0.3910	-0.2050	0.0000	0.3910	0.2050	-0.0008	-1.1711	-0.1240
RohnAa2	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	0.0049	-1.1738	-0.0361
RohnAb1	0.0000	-1.2223	-0.3552	0.0000	1.2223	0.3552	-0.0003	-1.1133	-0.1233
RohnAb2	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	0.0056	-1.1174	-0.0321
RohnAc1	0.0000	-0.1463	-0.1352	0.0000	0.1463	0.1352	-0.0013	-1.0567	-0.1224
RohnAc2	0.0000	-0.4597	-0.2277	0.0000	0.4597	0.2277	0.0050	-1.0599	-0.0283
RohnBa1	0.0000	-0.1994	-0.2007	0.0000	0.1994	0.2007	-0.0012	-0.9440	-0.1203
RohnBa2	0.0000	-0.1994	-0.2007	0.0000	0.1994	0.2007	0.0049	-0.9472	-0.0211
RohnBb1	0.0000	-1.8127	-1.1557	0.0000	1.8127	1.1557	0.0000	-0.8876	-0.1192
RohnBb2	0.0000	-1.8127	-1.1557	0.0000	1.8127	1.1557	0.0047	-0.8928	-0.0176
RohnBc1	0.0000	-0.1994	-0.2007	0.0000	0.1994	0.2007	-0.0012	-0.8331	-0.1177
RohnBc2	0.0000	-0.1994	-0.2007	0.0000	0.1994	0.2007	0.0045	-0.8362	-0.0142
RohnCa1	0.0000	-2.2791	-1.2307	0.0000	2.2791	1.2307	0.0000	-0.7084	-0.1140
RohnCa2	0.0000	-2.4782	-1.3037	0.0000	2.4782	1.3037	0.0036	-0.7127	-0.0072
RohnCb1	0.0000	-0.2785	-0.3250	0.0000	0.2785	0.3250	-0.0008	-0.6391	-0.1114
RohnCb2	0.0000	-0.2785	-0.3250	0.0000	0.2785	0.3250	0.0040	-0.6428	-0.0034
RohnDa1	0.0000	-0.2834	-0.3611	0.0000	0.2834	0.3611	-0.0006	-0.5097	-0.1043
RohnDa2	0.0000	-0.2834	-0.3611	0.0000	0.2834	0.3611	0.0036	-0.5136	0.0018
RohnDb1	0.0000	-0.2834	-0.3611	0.0000	0.2834	0.3611	-0.0006	-0.4492	-0.0994
RohnDb2	0.0000	-0.2834	-0.3611	0.0000	0.2834	0.3611	0.0040	-0.4540	0.0034
RohnEa1	0.0000	-0.2901	-0.4692	0.0000	0.2901	0.4692	-0.0000	-0.3424	-0.0896
RohnEa2	0.0000	-0.2901	-0.4692	0.0000	0.2901	0.4692	0.0038	-0.3482	0.0056
RohnEb1	0.0000	-0.2901	-0.4692	0.0000	0.2901	0.4692	-0.0005	-0.2957	-0.0844
RohnEb2	0.0000	-0.2901	-0.4692	0.0000	0.2901	0.4692	0.0027	-0.2990	0.0069
RohnFa1	0.0000	-0.3508	-0.6209	0.0000	0.3508	0.6209	-0.0030	-0.1931	-0.0697
RohnFa2	0.0000	-0.3508	-0.6209	0.0000	0.3508	0.6209	0.0029	-0.1930	0.0076
RohnGa1	0.0000	-0.3366	-0.7217	0.0000	0.3366	0.7217	-0.0021	-0.0998	-0.0508
RohnGa2	0.0000	-0.3366	-0.7217	0.0000	0.3366	0.7217	0.0017	-0.0992	0.0065
RohnHa1	0.0000	-0.3123	-0.7589	0.0000	0.3123	0.7589	-0.0015	-0.0358	-0.0310
RohnHa2	0.0000	-0.3123	-0.7589	0.0000	0.3123	0.7589	0.0024	-0.0375	0.0042
RohnIa1	0.0000	-0.3798	-0.9701	0.0000	0.3798	0.9701	0.0011	-0.0011	-0.0104
RohnIa2	0.0000	-0.3798	-0.9701	0.0000	0.3798	0.9701	0.0038	-0.0097	0.0010
SNB-Aa1	0.0000	-0.1463	-0.1352	-0.0000	0.1463	0.1352	0.0015	-1.1735	-0.1021
SNB-Aa2	0.0000	-0.1463	-0.1352	-0.0000	0.1463	0.1352	0.0017	-1.1747	-0.0522
SNB-Ab1	0.0000	-0.1463	-0.1352	-0.0000	0.1463	0.1352	0.0020	-1.1156	-0.1017
SNB-Ab2	0.0000	-0.1463	-0.1352	-0.0000	0.1463	0.1352	0.0023	-1.1183	-0.0481
SNB-Ac1	0.0000	-0.1463	-0.1352	-0.0000	0.1463	0.1352	0.0013	-1.0592	-0.1011
SNB-Ac2	0.0000	-0.1463	-0.1352	-0.0000	0.1463	0.1352	0.0018	-1.0608	-0.0440
SNB-Ba1	0.0000	-0.1994	-0.2007	-0.0000	0.1994	0.2007	0.0012	-0.9464	-0.0998
SNB-Ba2	0.0000	-0.1994	-0.2007	-0.0000	0.1994	0.2007	0.0017	-0.9481	-0.0362
SNB-Bb1	0.0000	-0.1994	-0.2007	-0.0000	0.1994	0.2007	0.0017	-0.8896	-0.0990
SNB-Bb2	0.0000	-0.1994	-0.2007	-0.0000	0.1994	0.2007	0.0022	-0.8932	-0.0324
SNB-Bc1	0.0000	-0.1994	-0.2007	-0.0000	0.1994	0.2007	0.0012	-0.8355	-0.0980
SNB-Bc2	0.0000	-0.1994	-0.2007	-0.0000	0.1994	0.2007	0.0013	-0.8370	-0.0287
SNB-Ca1	0.0000	-0.2785	-0.3250	-0.0000	0.2785	0.3250	0.0009	-0.7099	-0.0954
SNB-Ca2	0.0000	-0.2785	-0.3250	-0.0000	0.2785	0.3250	0.0020	-0.7127	-0.0209
SNB-Cb1	0.0000	-0.2785	-0.3250	-0.0000	0.2785	0.3250	0.0006	-0.6410	-0.0931
SNB-Cb2	0.0000	-0.2785	-0.3250	-0.0000	0.2785	0.3250	0.0017	-0.6431	-0.0168
SNB-Da1	0.0000	-0.2834	-0.3611	-0.0000	0.2834	0.3611	0.0003	-0.5112	-0.0874
SNB-Da2	0.0000	-0.2834	-0.3611	-0.0000	0.2834	0.3611	0.0020	-0.5136	-0.0106
SNB-Db1	0.0000	-0.2834	-0.3611	-0.0000	0.2834	0.3611	0.0005	-0.4508	-0.0835
SNB-Db2	0.0000	-0.2834	-0.3611	-0.0000	0.2834	0.3611	0.0021	-0.4541	-0.0083
SNB-Ea1	0.0000	-0.2901	-0.4692	-0.0000	0.2901	0.4692	0.0009	-0.3440	-0.0759
SNB-Ea2	0.0000	-0.2901	-0.4692	-0.0000	0.2901	0.4692	0.0020	-0.3483	-0.0044
SNB-Eb1	0.0000	-0.2901	-0.4692	-0.0000	0.2901	0.4692	0.0002	-0.2971	-0.0720
SNB-Eb2	0.0000	-0.2901	-0.4692	-0.0000	0.2901	0.4692	0.0012	-0.2990	-0.0021
SNB-Fa1	0.0000	-0.3508	-0.6209	-0.0000	0.3508	0.6209	-0.0022	-0.1945	-0.0610
SNB-Fa2	0.0000	-0.3508	-0.6209	-0.0000	0.3508	0.6209	0.0014	-0.1930	0.0014
SNB-Ga1	0.0000	-0.3366	-0.7217	0.0000	0.3366	0.7217	-0.0021	-0.1007	-0.0458
SNB-Ga2	0.0000	-0.3366	-0.7217	-0.0000	0.3366	0.7217	0.0010	-0.0987	0.0031
SNB-Ha1	0.0000	-0.3123	-0.7589	0.0000	0.3123	0.7589	-0.0017	-0.0366	-0.0288
SNB-Ha2	0.0000	-0.3123	-0.7589	-0.0000	0.3123	0.7589	0.0018	-0.0369	0.0027
SNB-Ia1	0.0000	-0.3798	-0.9701	0.0000	0.3798	0.9701	0.0004	-0.0016	-0.0103
SNB-Ia2	0.0000	-0.3798	-0.9701	0.0000	0.3798	0.9701	0.0037	-0.0089	0.0006

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	0.00	0.00	0.00	-63.16	-134.89	-12.63	-26.97
Rohn-LA11	-0.00	0.00	-0.00	-92.58	87.17	-18.51	17.43
Rohn-LA12	-0.00	0.00	-0.00	99.11	80.75	19.81	16.14
Rohn-LA2P	0.01	63.17	134.89	29.29	170.26	18.48	61.01
Rohn-LA21	-0.00	92.59	-87.17	110.49	-126.85	40.60	-42.79
Rohn-LA22	0.00	-99.10	-80.75	-108.72	-108.65	-41.55	-37.86
Rohn-LA3P	0.02	-29.29	-170.26	81.91	-202.54	10.52	-74.53
Rohn-LA31	-0.00	-110.49	126.85	-118.79	157.66	-45.84	56.89
Rohn-LA32	-0.01	108.72	108.65	161.62	104.59	54.04	42.63
Rohn-LA4P	0.01	-81.91	202.54	-150.99	268.51	-46.56	94.18
Rohn-LA41	0.01	118.79	-157.66	208.74	-199.73	65.49	-71.46
Rohn-LA42	-0.01	-161.62	-104.59	-206.87	-106.12	-73.66	-42.12
Rohn-LB1P	0.02	150.99	-268.51	369.36	-391.86	104.03	-132.02
Rohn-LB11	-0.01	-208.74	199.73	-229.22	353.41	-87.57	110.60
Rohn-LB12	-0.02	206.87	106.12	420.00	57.55	125.31	32.72
Rohn-LB2P	0.01	-369.36	391.86	-473.41	457.56	-168.49	169.82
Rohn-LB21	-0.00	229.23	-353.41	286.64	-442.37	103.15	-159.12
Rohn-LB22	-0.01	-419.99	-57.55	-479.19	-31.01	-179.74	-17.70
Rohn-LB3P	0.00	473.41	-457.55	550.39	-533.41	204.69	-198.12
Rohn-LB31	-0.01	-286.63	442.37	-230.15	441.08	-103.34	176.66
Rohn-LB32	0.02	479.19	31.00	662.35	113.87	228.18	28.96
Rohn-LB4P	-0.11	-550.39	533.42	-86.70	484.33	-127.37	203.48
Rohn-LB41	0.06	230.16	-441.08	410.77	-288.47	128.17	-145.89
Rohn-LB42	0.05	-662.35	-113.86	-391.09	-220.67	-210.56	-66.87
Rohn-LC1P	-0.05	86.70	-484.33	-185.34	-109.20	-14.81	-89.09
Rohn-LC11	0.02	-410.77	288.47	-33.73	-76.72	-66.73	31.79
Rohn-LC12	0.02	391.09	220.67	124.70	210.65	77.40	64.73
Rohn-LC2P	-0.05	185.35	109.20	500.97	-378.11	102.71	-40.24
Rohn-LC21	0.01	33.73	76.72	-109.26	335.42	-11.31	61.69
Rohn-LC22	0.04	-124.70	-210.65	563.50	30.40	65.65	-26.97
Rohn-LC3P	-0.15	-500.97	378.11	162.68	654.80	-50.77	155.04
Rohn-LC31	0.09	109.27	-335.42	842.82	-404.49	142.95	-111.09
Rohn-LC32	0.05	-563.49	-30.40	-301.74	-242.58	-129.83	-40.96
Rohn-LD1P	0.03	-162.68	-654.80	83.74	-458.57	-11.85	-167.11
Rohn-LD11	-0.02	-842.81	404.50	-197.51	184.79	-156.22	88.49
Rohn-LD12	-0.02	301.74	242.58	614.97	265.78	137.53	76.27
Rohn-LD2P	-0.11	-83.74	458.57	756.32	-27.39	100.65	64.53
Rohn-LD21	0.04	197.51	-184.78	414.69	195.73	91.67	1.64
Rohn-LD22	0.06	-614.98	-265.78	436.88	-151.48	-26.64	-62.41
Rohn-LD3P	-0.05	-756.31	27.40	-7.80	190.83	-114.69	32.76
Rohn-LD31	0.08	-414.68	-195.73	531.62	-320.36	17.56	-77.51
Rohn-LD32	-0.03	-436.88	151.48	229.09	117.99	-31.17	40.42
Rohn-LE1P	0.02	7.81	-190.83	626.01	454.15	95.13	39.52
Rohn-LE11	-0.04	-531.61	320.37	754.42	-70.99	33.46	37.45
Rohn-LE12	0.02	-229.09	-117.99	-42.23	-377.52	-40.70	-74.34
Rohn-LE2P	0.25	-626.00	-454.15	212.26	-1604.94	-61.92	-308.14
Rohn-LE21	-0.11	-754.42	70.98	-1096.30	778.36	-277.11	127.17
Rohn-LE22	-0.14	42.23	377.52	1663.27	841.69	255.09	182.36
Rohn-LE3P	-0.19	-212.25	1604.94	172.12	2415.41	-6.02	603.45
Rohn-LE31	0.10	1096.31	-778.35	2616.47	-1462.65	557.60	-336.56
Rohn-LE32	0.09	-1663.28	-841.67	-1515.53	-986.75	-476.86	-274.28
Rohn-LF1P	0.92	-172.12	-2415.41	1327.57	-2879.77	115.51	-529.35
Rohn-LF11	-0.56	-2616.43	1462.72	-1896.53	1912.81	-451.45	337.67
Rohn-LF12	-0.36	1515.51	986.78	3025.67	1019.06	453.67	200.38
Rohn-LF2P	-1.11	-1327.57	2879.77	-116.21	3539.26	-144.33	641.69
Rohn-LF21	0.70	1896.60	-1912.75	3666.92	-2239.27	556.58	-415.37
Rohn-LF22	0.42	-3025.69	-1019.01	-2382.98	-1352.76	-540.29	-236.92
Rohn-LG1P	0.74	116.21	-3539.26	1296.02	-4085.90	141.17	-762.26
Rohn-LG11	-0.47	-3666.84	2239.40	-2869.90	2465.20	-653.83	470.57

Rohn-LG12	-0.28	2382.96	1352.80	4118.77	1681.83	649.57	303.18
Rohn-LG2P	-0.95	-1296.02	4085.90	31.93	3858.80	-126.37	794.21
Rohn-LG21	0.59	2869.99	-2465.10	4090.60	-2407.46	696.27	-487.40
Rohn-LG22	0.37	-4118.82	-1681.73	-2500.05	-1510.13	-661.25	-318.88
Rohn-LH1P	1.14	-31.93	-3858.80	1608.95	-3093.37	157.65	-694.98
Rohn-LH11	-0.72	-4090.51	2407.60	-2021.62	2159.93	-611.42	456.91
Rohn-LH12	-0.43	2500.01	1510.18	3243.42	1000.35	573.75	250.80
Rohn-LH2P	-0.48	-1608.95	3093.37	-218.51	1988.22	-182.69	507.99
Rohn-LH21	0.43	2021.69	-2159.87	2745.12	-1781.05	476.87	-394.25
Rohn-LH22	0.07	-3243.44	-1000.31	-594.93	-278.83	-383.43	-127.78
Rohn-LI1P	0.49	218.51	-1988.22	2914.94	1665.19	313.23	-32.29
Rohn-LI11	-0.44	-2745.08	1781.10	2507.89	349.18	-23.72	213.07
Rohn-LI12	-0.07	594.93	278.83	-485.58	-1919.14	10.92	-163.88
Rohn-LI2P	1.02	-2914.94	-1665.19	704.82	-3958.38	-220.94	-562.17
Rohn-LI21	-0.15	-2507.89	-349.19	-785.80	626.65	-329.46	27.75
Rohn-LI22	-0.82	485.55	1919.15	6171.21	3241.31	665.07	515.57
SNB-LA1P	0.00	0.00	0.00	2.27	-183.57	0.45	-36.70
SNB-LA11	-0.00	0.00	-0.00	-137.32	99.37	-27.45	19.87
SNB-LA12	-0.00	0.00	-0.00	140.73	98.75	28.14	19.74
SNB-LA2P	0.00	-2.27	183.57	-9.41	232.28	-2.33	83.14
SNB-LA21	-0.00	137.33	-99.37	174.87	-131.13	62.42	-46.08
SNB-LA22	-0.00	-140.73	-98.75	-167.05	-115.87	-61.53	-42.91
SNB-LA3P	0.01	9.41	-232.27	59.88	-278.78	13.85	-102.17
SNB-LA31	-0.00	-174.87	131.13	-192.45	169.14	-73.44	60.03
SNB-LA32	-0.01	167.05	115.87	233.12	124.10	80.00	47.97
SNB-LA4P	-0.01	-59.88	278.78	-45.66	378.43	-21.10	131.39
SNB-LA41	0.01	192.46	-169.14	323.41	-233.24	103.14	-80.45
SNB-LA42	0.00	-233.12	-124.10	-284.60	-160.66	-103.50	-56.93
SNB-LB1P	-0.00	45.66	-378.43	75.73	-593.23	24.27	-194.26
SNB-LB11	0.00	-323.41	233.24	-466.05	330.05	-157.84	112.62
SNB-LB12	-0.00	284.60	160.66	527.93	278.81	162.44	87.85
SNB-LB2P	-0.04	-75.73	593.23	117.11	691.32	8.27	256.81
SNB-LB21	0.02	466.05	-330.05	639.85	-314.77	221.11	-128.93
SNB-LB22	0.02	-527.93	-278.81	-530.32	-386.59	-211.55	-133.02
SNB-LB3P	0.03	-117.11	-691.32	11.46	-773.52	-21.12	-292.86
SNB-LB31	-0.01	-639.84	314.77	-509.37	315.33	-229.78	125.99
SNB-LB32	-0.02	530.32	386.59	800.94	470.13	266.13	171.26
SNB-LB4P	-0.03	-11.46	773.53	104.07	555.84	18.52	265.77
SNB-LB41	0.01	509.37	-315.33	519.12	-252.88	205.65	-113.61
SNB-LB42	0.02	-800.95	-470.12	-413.38	-311.51	-242.74	-156.25
SNB-LC1P	0.03	-104.07	-555.84	89.47	-127.48	-2.19	-102.56
SNB-LC11	-0.01	-519.12	252.89	3.59	58.99	-77.39	46.82
SNB-LC12	-0.01	413.38	311.51	203.40	75.06	92.56	58.01
SNB-LC2P	-0.00	-89.47	127.49	242.73	-326.89	22.93	-29.84
SNB-LC21	-0.00	-3.59	-58.99	-143.38	219.24	-22.00	23.99
SNB-LC22	0.00	-203.40	-75.06	433.93	107.22	34.49	4.81
SNB-LC3P	-0.07	-242.72	326.90	14.57	611.92	-34.24	140.91
SNB-LC31	0.05	143.39	-219.25	756.32	-426.55	135.08	-96.96
SNB-LC32	0.02	-433.93	-107.22	-308.48	-186.28	-111.40	-44.04
SNB-LD1P	0.08	-14.57	-611.92	478.14	-466.09	69.58	-161.80
SNB-LD11	-0.06	-756.31	426.56	-86.53	320.73	-126.55	112.20
SNB-LD12	-0.03	308.48	186.28	735.08	143.70	156.58	49.51
SNB-LD2P	-0.05	-478.14	466.09	458.74	-53.29	-2.90	61.78
SNB-LD21	0.03	86.53	-320.73	316.58	101.39	60.35	-32.84
SNB-LD22	0.02	-735.08	-143.70	379.85	-27.19	-53.14	-25.56
SNB-LD3P	-0.04	-458.74	53.30	391.56	272.21	-10.08	48.86
SNB-LD31	0.05	-316.58	-101.40	829.58	-280.92	77.04	-57.41
SNB-LD32	-0.00	-379.85	27.19	401.56	-18.29	3.26	1.33
SNB-LE1P	-0.04	-391.55	-272.21	765.99	929.65	56.20	98.68
SNB-LE11	0.00	-829.57	280.93	1490.19	-401.73	99.19	-18.14
SNB-LE12	0.03	-401.56	18.29	-140.90	-507.70	-81.39	-73.43
SNB-LE2P	0.34	-765.99	-929.65	885.32	-3157.63	17.86	-611.66
SNB-LE21	-0.18	-1490.18	401.73	-1994.86	1685.86	-521.72	312.52
SNB-LE22	-0.16	140.90	507.70	3436.66	1495.85	535.18	299.72
SNB-LE3P	-0.49	-885.31	3157.63	139.76	4290.70	-111.90	1117.94
SNB-LE31	0.29	1994.89	-1685.84	4625.15	-2638.46	994.03	-649.31

SNB-LE32	0.20	-3436.68	-1495.81	-2722.28	-1698.40	-924.04	-479.23
SNB-LF1P	1.48	-139.76	-4290.69	1947.29	-4759.11	180.69	-904.67
SNB-LF11	-0.92	-4625.08	2638.58	-3321.31	3105.36	-794.73	574.46
SNB-LF12	-0.57	2722.25	1698.44	4822.15	1722.05	753.83	341.77
SNB-LF2P	-1.87	-1947.29	4759.11	-257.95	6338.88	-220.45	1109.39
SNB-LF21	1.18	3321.42	-3105.25	6575.12	-4026.89	989.80	-713.32
SNB-LF22	0.71	-4822.17	-1721.97	-4266.92	-2393.22	-908.11	-411.16
SNB-LG1P	1.52	257.95	-6338.88	3534.77	-9048.07	379.13	-1538.14
SNB-LG11	-0.97	-6574.98	4027.12	-6050.36	5653.69	-1262.68	968.19
SNB-LG12	-0.57	4266.88	2393.31	9429.86	3522.05	1368.53	591.04
SNB-LG2P	-2.15	-3534.77	9048.07	-452.54	8890.16	-398.59	1793.20
SNB-LG21	1.39	6050.56	-5653.48	9305.39	-5759.23	1535.85	-1141.46
SNB-LG22	0.79	-9429.94	-3521.84	-5882.86	-3257.63	-1529.95	-677.36
SNB-LH1P	2.59	452.54	-8890.16	4152.80	-7191.69	460.36	-1607.60
SNB-LH11	-1.68	-9305.19	5759.54	-4559.75	5161.37	-1386.77	1092.30
SNB-LH12	-0.94	5882.79	3257.75	7689.97	2171.08	1356.01	542.38
SNB-LH2P	-0.89	-4152.80	7191.69	-1083.75	4613.64	-523.48	1180.14
SNB-LH21	0.94	4559.90	-5161.24	6176.71	-4329.27	1073.96	-949.32
SNB-LH22	-0.01	-7690.00	-2170.98	-1592.49	-423.83	-927.38	-259.24
SNB-LI1P	1.47	1083.75	-4613.64	7752.13	2486.11	883.25	-212.67
SNB-LI11	-1.23	-6176.62	4329.38	4709.85	1892.22	-146.70	622.25
SNB-LI12	-0.26	1592.49	423.84	202.57	-4230.90	179.34	-380.36
SNB-LI2P	1.93	-7752.13	-2486.11	-738.35	-6746.82	-848.79	-923.01
SNB-LI21	-0.02	-4709.84	-1892.24	-711.45	-139.37	-542.27	-203.21
SNB-LI22	-1.86	-202.63	4230.90	11144.82	6770.25	1093.26	1099.15

*** 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	0.6021	-1.047	-0.1061	0.5499	0.2978	0.0215	4.935	-1.047	179.9
RohnBP	0.4898	-0.854	-0.1004	0.5554	0.3087	0.0218	5.611	-0.854	159.9
RohnCP	0.3803	-0.6654	-0.09341	0.5065	0.3085	0.0201	6.289	-0.6654	139.9
RohnDP	0.2782	-0.4889	-0.08513	0.4680	0.2698	0.0185	6.973	-0.4889	119.9
RohnEP	0.1908	-0.3373	-0.07288	0.3860	0.2266	0.0154	7.672	-0.3373	99.93
RohnFP	0.1182	-0.2143	-0.06048	0.3234	0.1686	0.0128	8.386	-0.2143	79.94
RohnGP	0.06214	-0.1202	-0.04553	0.2229	0.1132	0.0089	9.117	-0.1202	59.95
RohnHP	0.02375	-0.05364	-0.03131	0.1556	0.0951	0.0063	9.865	-0.05364	39.97
RohnIP	0.002505	-0.01424	-0.01524	0.0746	0.0578	0.0031	10.63	-0.01424	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.6029	-1.046	-0.09237	0.5578	0.2978	0.0218	2.936	-1.046	179.9
SNB-BP	0.4906	-0.8521	-0.08731	0.5495	0.3076	0.0216	3.612	-0.8521	159.9
SNB-CP	0.3811	-0.6636	-0.08141	0.5267	0.3152	0.0209	4.289	-0.6636	139.9
SNB-DP	0.279	-0.488	-0.07394	0.4761	0.2668	0.0187	4.974	-0.488	119.9
SNB-EP	0.1916	-0.3362	-0.06345	0.3820	0.2232	0.0151	5.673	-0.3362	99.94
SNB-FP	0.1189	-0.2141	-0.05356	0.3193	0.1785	0.0126	6.387	-0.2141	79.95
SNB-GP	0.06292	-0.1198	-0.04157	0.2271	0.0965	0.0089	7.118	-0.1198	59.96
SNB-HP	0.02453	-0.05349	-0.02896	0.1545	0.0941	0.0063	7.866	-0.05349	39.97
SNB-IP	0.003285	-0.0138	-0.01459	0.0777	0.0584	0.0032	8.631	-0.0138	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.6044	-1.043	-0.106	0.5427	0.3394	-0.0220	-1.562	-4.795	179.9
RohnA2	0.6072	-1.047	-0.03451	0.5724	0.3378	0.0003	-1.559	2.705	180
RohnB1	0.4921	-0.8487	-0.1003	0.5430	0.3257	-0.0217	-2.068	-5.284	159.9
RohnB2	0.4955	-0.8536	-0.01822	0.5567	0.3201	-0.0001	-2.065	3.581	160
RohnC1	0.384	-0.6602	-0.09333	0.5190	0.2833	-0.0201	-2.57	-5.778	139.9
RohnC2	0.3869	-0.6663	-0.004301	0.5136	0.2978	0.0000	-2.568	4.451	140
RohnD1	0.2826	-0.484	-0.08505	0.4672	0.2703	-0.0185	-3.065	-6.282	119.9
RohnD2	0.2854	-0.4915	0.006899	0.4742	0.2748	0.0000	-3.062	5.307	120
RohnE1	0.1953	-0.3328	-0.07282	0.3883	0.2200	-0.0153	-3.545	-6.812	99.93
RohnE2	0.1974	-0.3398	0.01074	0.3815	0.2214	0.0000	-3.543	6.139	100
RohnF1	0.1255	-0.2088	-0.06044	0.3068	0.1946	-0.0127	-4.008	-7.369	79.94
RohnF2	0.1278	-0.2199	0.01302	0.3121	0.1811	0.0000	-4.006	6.94	80.01
RohnG1	0.07229	-0.1134	-0.0455	0.2089	0.1357	-0.0088	-4.455	-7.955	59.95
RohnG2	0.07424	-0.1276	0.01041	0.2381	0.1381	0.0000	-4.453	7.714	60.01
RohnH1	0.03409	-0.04708	-0.03129	0.1597	0.0865	-0.0063	-4.886	-8.57	39.97
RohnH2	0.03581	-0.0614	0.008545	0.1432	0.0832	0.0000	-4.885	8.461	40.01
RohnI1	0.01081	-0.009131	-0.01523	0.0869	0.0351	-0.0030	-5.304	-9.215	19.98
RohnI2	0.01171	-0.01998	0.0034	0.0504	0.0296	0.0000	-5.303	9.186	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	0.6052	-1.044	-0.09234	0.5409	0.3362	-0.0219	-0.5613	-3.065	179.9
SNB-A2	0.6054	-1.047	-0.05316	0.5737	0.3355	0.0002	-0.5611	0.9733	179.9
SNB-B1	0.4933	-0.8504	-0.08727	0.5400	0.3227	-0.0216	-1.067	-3.553	159.9
SNB-B2	0.4935	-0.8537	-0.03595	0.5571	0.3217	-0.0000	-1.067	1.849	160
SNB-C1	0.3845	-0.6615	-0.08136	0.5359	0.2991	-0.0209	-1.569	-4.046	139.9
SNB-C2	0.3852	-0.6663	-0.02041	0.5091	0.2943	0.0000	-1.569	2.718	140
SNB-D1	0.2834	-0.4854	-0.0739	0.4689	0.2793	-0.0188	-2.064	-4.551	119.9
SNB-D2	0.284	-0.4913	-0.008264	0.4759	0.2752	0.0000	-2.064	3.575	120
SNB-E1	0.1955	-0.3338	-0.06341	0.3840	0.2194	-0.0151	-2.545	-5.081	99.94
SNB-E2	0.1962	-0.3396	-0.002076	0.3802	0.2197	0.0000	-2.544	4.407	100
SNB-F1	0.126	-0.21	-0.05353	0.3141	0.1875	-0.0126	-3.008	-5.638	79.95
SNB-F2	0.1268	-0.2195	0.003707	0.3077	0.1778	0.0000	-3.007	5.209	80
SNB-G1	0.07234	-0.1144	-0.04155	0.1970	0.1485	-0.0089	-3.455	-6.224	59.96
SNB-G2	0.07347	-0.1271	0.005454	0.2483	0.1434	0.0000	-3.454	5.983	60.01
SNB-H1	0.03406	-0.04796	-0.02895	0.1587	0.0868	-0.0063	-3.886	-6.838	39.97
SNB-H2	0.03517	-0.06087	0.005724	0.1444	0.0835	0.0000	-3.885	6.73	40.01
SNB-I1	0.0103	-0.009733	-0.01458	0.0894	0.0381	-0.0032	-4.304	-7.482	19.99

SNB-I2	0.01119	-0.01937	0.002937	0.0516	0.0299	0.0000	-4.303	7.453	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	0.5751	-0.9992	-0.1049	0.5577	0.3276	0.0221	5.105	-0.9992	174.9
RohnAbS	0.5458	-0.95	-0.1035	0.5638	0.3199	0.0222	5.273	-0.95	169.9
RohnAcS	0.5188	-0.9014	-0.102	0.5445	0.3231	0.0215	5.443	-0.9014	164.9
RohnBaS	0.4632	-0.8056	-0.0988	0.5393	0.3174	0.0213	5.781	-0.8056	154.9
RohnBbS	0.4347	-0.7591	-0.09719	0.5470	0.3101	0.0215	5.95	-0.7591	149.9
RohnBcS	0.4087	-0.7104	-0.09531	0.5417	0.3107	0.0213	6.121	-0.7104	144.9
RohnCaS	0.3467	-0.6057	-0.09089	0.5216	0.2792	0.0204	6.517	-0.6057	133.2
RohnCbS	0.313	-0.5451	-0.08803	0.5043	0.3023	0.0200	6.746	-0.5451	126.6
RohnDaS	0.2493	-0.4352	-0.08136	0.4572	0.2455	0.0180	7.206	-0.4352	113.3
RohnDbS	0.2193	-0.3834	-0.07718	0.4193	0.2566	0.0167	7.439	-0.3834	106.6
RohnEaS	0.1665	-0.2932	-0.06893	0.3651	0.1856	0.0143	7.91	-0.2932	93.27
RohnEbS	0.1443	-0.2526	-0.06463	0.3359	0.2205	0.0135	8.15	-0.2526	86.6
RohnFaS	0.09552	-0.1614	-0.05295	0.2675	0.1675	0.0106	8.757	-0.1614	69.95
RohnGaS	0.04963	-0.08285	-0.03833	0.1912	0.1104	0.0076	9.498	-0.08285	49.96
RohnHaS	0.01753	-0.02898	-0.02332	0.1117	0.0504	0.0044	10.25	-0.02898	29.98
RohnIaS	-0.001933	-0.002863	-0.007965	0.0425	-0.0061	0.0017	11.02	-0.002863	9.992
SNB-AaS	0.576	-0.9971	-0.09116	0.5562	0.3277	0.0220	3.106	-0.9971	174.9
SNB-AbS	0.5466	-0.9486	-0.08995	0.5575	0.3199	0.0220	3.274	-0.9486	169.9
SNB-AcS	0.5197	-0.8999	-0.08862	0.5514	0.3236	0.0218	3.444	-0.8999	164.9
SNB-BaS	0.4641	-0.8041	-0.08591	0.5481	0.3177	0.0216	3.782	-0.8041	154.9
SNB-BbS	0.4355	-0.7566	-0.0845	0.5386	0.3106	0.0213	3.95	-0.7566	149.9
SNB-BcS	0.4095	-0.7099	-0.08293	0.5323	0.3092	0.0210	4.121	-0.7099	144.9
SNB-CaS	0.3475	-0.603	-0.07918	0.5144	0.2773	0.0201	4.518	-0.603	133.3
SNB-CbS	0.3138	-0.5441	-0.07654	0.4926	0.3036	0.0196	4.747	-0.5441	126.6
SNB-DaS	0.2501	-0.4334	-0.07077	0.4559	0.2463	0.0179	5.207	-0.4334	113.3
SNB-DbS	0.2201	-0.3825	-0.06716	0.4166	0.2576	0.0166	5.439	-0.3825	106.6
SNB-EaS	0.1673	-0.2927	-0.06041	0.3632	0.1875	0.0142	5.91	-0.2927	93.28
SNB-EbS	0.1451	-0.2519	-0.05686	0.3357	0.2179	0.0134	6.151	-0.2519	86.6
SNB-FaS	0.09631	-0.1614	-0.04742	0.2680	0.1697	0.0106	6.758	-0.1614	69.95
SNB-GaS	0.05041	-0.08212	-0.03519	0.1895	0.1150	0.0075	7.498	-0.08212	49.96
SNB-HaS	0.01831	-0.02855	-0.02191	0.1124	0.0508	0.0044	8.253	-0.02855	29.98
SNB-IaS	-0.001152	-0.001991	-0.007909	0.0398	-0.0027	0.0016	9.02	-0.001991	9.992
SNB-WL-A1S	0.6039	-1.045	-0.1416	0.0000	0.0000	0.0000	1.187	-2.055	179.9
SNB-WL-A2S	0.6047	-1.045	-0.119	0.0000	0.0000	0.0000	-0.5618	-1.045	179.9
SNB-WL-A3S	0.604	-1.046	-0.1217	0.0000	0.0000	0.0000	1.187	-0.03556	179.9
SNB-WL-B1S	0.4918	-0.8509	-0.1453	0.0000	0.0000	0.0000	1.272	-2.202	159.9
SNB-WL-B2S	0.4928	-0.8515	-0.1171	0.0000	0.0000	0.0000	-1.068	-0.8515	159.9
SNB-WL-B3S	0.4919	-0.8521	-0.1178	0.0000	0.0000	0.0000	1.272	0.4993	159.9
SNB-WL-C1S	0.3828	-0.6625	-0.1553	0.0000	0.0000	0.0000	1.36	-2.355	139.8
SNB-WL-C2S	0.384	-0.6632	-0.1364	0.0000	0.0000	0.0000	-1.57	-0.6632	139.9
SNB-WL-C3S	0.3829	-0.6639	-0.1367	0.0000	0.0000	0.0000	1.36	1.028	139.9
SNB-WL-D1S	0.2812	-0.4867	-0.1722	0.0000	0.0000	0.0000	1.455	-2.52	119.8
SNB-WL-D2S	0.2827	-0.4875	-0.15	0.0000	0.0000	0.0000	-2.065	-0.4875	119.8
SNB-WL-D3S	0.2813	-0.4884	-0.1502	0.0000	0.0000	0.0000	1.455	1.545	119.8
SNB-WL-E1S	0.1936	-0.3352	-0.1461	0.0000	0.0000	0.0000	1.564	-2.709	99.85
SNB-WL-E2S	0.1952	-0.336	-0.1368	0.0000	0.0000	0.0000	-2.545	-0.336	99.86
SNB-WL-E3S	0.1936	-0.337	-0.1367	0.0000	0.0000	0.0000	1.564	2.036	99.86
SNB-WL-F1S	0.1229	-0.2128	-0.208	0.0000	0.0000	0.0000	1.69	-2.927	79.79
SNB-WL-F2S	0.1248	-0.2138	-0.1991	0.0000	0.0000	0.0000	-3.009	-0.2138	79.8
SNB-WL-F3S	0.1229	-0.2149	-0.1993	0.0000	0.0000	0.0000	1.69	2.499	79.8
SNB-WL-G1S	0.06859	-0.1188	-0.2448	0.0000	0.0000	0.0000	1.832	-3.174	59.76
SNB-WL-G2S	0.07067	-0.1199	-0.2456	0.0000	0.0000	0.0000	-3.457	-0.1199	59.75
SNB-WL-G3S	0.06856	-0.1211	-0.2457	0.0000	0.0000	0.0000	1.832	2.934	59.75
SNB-WL-H1S	0.03035	-0.05256	-0.2405	0.0000	0.0000	0.0000	1.991	-3.448	39.76
SNB-WL-H2S	0.03265	-0.05382	-0.2495	0.0000	0.0000	0.0000	-3.888	-0.05382	39.75
SNB-WL-H3S	0.03031	-0.05518	-0.2495	0.0000	0.0000	0.0000	1.991	3.34	39.75
SNB-WL-I1S	0.007459	-0.01292	-0.1807	0.0000	0.0000	0.0000	2.164	-3.749	19.82
SNB-WL-I2S	0.009999	-0.01434	-0.1994	0.0000	0.0000	0.0000	-4.304	-0.01434	19.8
SNB-WL-I3S	0.007426	-0.01583	-0.1993	0.0000	0.0000	0.0000	2.164	3.72	19.8
RohnAa1	0.5755	-0.9951	-0.1048	0.5579	0.3151	-0.0218	-1.69	-4.918	174.9
RohnAa2	0.5783	-0.9978	-0.03003	0.5556	0.3177	-0.0002	-1.687	2.925	175
RohnAb1	0.5483	-0.9459	-0.1034	0.5565	0.3265	-0.0220	-1.815	-5.04	169.9
RohnAb2	0.5512	-0.9498	-0.02584	0.5583	0.3210	-0.0001	-1.812	3.144	170

RohnAc1	0.519	-0.8977	-0.1019	0.5589	0.3208	-0.0220	-1.943	-5.162	164.9
RohnAc2	0.5226	-0.9009	-0.02184	0.5496	0.3187	0.0000	-1.939	3.363	165
RohnBa1	0.4636	-0.8017	-0.0987	0.5425	0.3061	-0.0212	-2.195	-5.407	154.9
RohnBa2	0.4674	-0.805	-0.01433	0.5426	0.3153	0.0001	-2.192	3.801	155
RohnBb1	0.4378	-0.7539	-0.09709	0.5406	0.3172	-0.0214	-2.32	-5.53	149.9
RohnBb2	0.4404	-0.7586	-0.01074	0.5449	0.3174	0.0001	-2.317	4.018	150
RohnBc1	0.4087	-0.7072	-0.09522	0.5381	0.3120	-0.0212	-2.447	-5.654	144.9
RohnBc2	0.4125	-0.7106	-0.007251	0.5289	0.3067	0.0000	-2.444	4.236	145
RohnCa1	0.3492	-0.6014	-0.09081	0.5014	0.3110	-0.0203	-2.736	-5.945	133.2
RohnCa2	0.3514	-0.6053	-7.291e-005	0.5254	0.3053	0.0001	-2.734	4.739	133.3
RohnCb1	0.3138	-0.5421	-0.08795	0.5125	0.2843	-0.0199	-2.903	-6.113	126.6
RohnCb2	0.3171	-0.5462	0.003783	0.4839	0.2805	0.0000	-2.9	5.025	126.7
RohnDa1	0.2505	-0.4321	-0.08128	0.4403	0.2724	-0.0179	-3.228	-6.457	113.3
RohnDa2	0.2534	-0.4364	0.008885	0.4583	0.2657	0.0000	-3.225	5.588	113.3
RohnDb1	0.2209	-0.3805	-0.07711	0.4306	0.2334	-0.0166	-3.389	-6.633	106.6
RohnDb2	0.2242	-0.386	0.01021	0.4113	0.2387	0.0000	-3.385	5.866	106.7
RohnEa1	0.1694	-0.2898	-0.06888	0.3423	0.2224	-0.0143	-3.702	-6.996	93.27
RohnEa2	0.172	-0.2961	0.01193	0.3772	0.2190	0.0000	-3.7	6.41	93.35
RohnEb1	0.1454	-0.2504	-0.06458	0.3578	0.1792	-0.0134	-3.858	-7.184	86.6
RohnEb2	0.1476	-0.2541	0.01288	0.3180	0.1847	0.0000	-3.855	6.679	86.67
RohnFa1	0.0911	-0.1628	-0.05292	0.2783	0.1473	-0.0105	-4.24	-7.664	69.95
RohnFa2	0.09572	-0.1646	0.01265	0.2580	0.1497	0.0000	-4.235	7.336	70.01
RohnGa1	0.04631	-0.08401	-0.03831	0.1907	0.1097	-0.0076	-4.678	-8.266	49.96
RohnGa2	0.04931	-0.08462	0.01023	0.1884	0.1094	0.0000	-4.675	8.098	50.01
RohnHa1	0.01595	-0.02944	-0.02331	0.0990	0.0709	-0.0044	-5.102	-8.894	29.98
RohnHa2	0.01911	-0.03265	0.006521	0.1285	0.0747	0.0000	-5.099	8.832	30.01
RohnIa1	0.003319	0.0003166	-0.007962	0.0154	0.0389	-0.0017	-5.509	-9.548	9.992
RohnIa2	0.005566	-0.009493	0.001687	0.0724	0.0424	0.0000	-5.507	9.538	10
SNB-Aa1	0.5764	-0.9966	-0.09113	0.5598	0.3184	-0.0220	-0.6886	-3.188	174.9
SNB-Aa2	0.5767	-0.9978	-0.04867	0.5546	0.3194	-0.0000	-0.6883	1.193	175
SNB-Ab1	0.549	-0.9472	-0.08992	0.5549	0.3238	-0.0220	-0.8145	-3.309	169.9
SNB-Ab2	0.5492	-0.9499	-0.04431	0.5578	0.3223	0.0000	-0.8143	1.412	170
SNB-Ac1	0.5202	-0.8994	-0.08858	0.5571	0.3166	-0.0219	-0.9418	-3.432	164.9
SNB-Ac2	0.5207	-0.9009	-0.04001	0.5496	0.3187	0.0001	-0.9413	1.631	165
SNB-Ba1	0.4649	-0.8034	-0.08587	0.5490	0.3167	-0.0217	-1.194	-3.677	154.9
SNB-Ba2	0.4654	-0.8052	-0.03179	0.5431	0.3144	0.0000	-1.193	2.068	155
SNB-Bb1	0.438	-0.755	-0.08446	0.5380	0.3117	-0.0213	-1.319	-3.799	149.9
SNB-Bb2	0.4385	-0.7586	-0.02786	0.5458	0.3155	0.0000	-1.319	2.285	150
SNB-Bc1	0.4105	-0.7092	-0.08289	0.5334	0.3070	-0.0210	-1.445	-3.923	144.9
SNB-Bc2	0.4107	-0.7106	-0.02395	0.5309	0.3069	0.0000	-1.445	2.503	145
SNB-Ca1	0.3488	-0.6021	-0.07914	0.4971	0.3073	-0.0201	-1.736	-4.214	133.3
SNB-Ca2	0.3498	-0.6052	-0.01589	0.5276	0.3050	0.0000	-1.735	3.006	133.3
SNB-Cb1	0.3146	-0.5435	-0.07651	0.5088	0.2753	-0.0196	-1.902	-4.383	126.6
SNB-Cb2	0.3156	-0.5461	-0.01166	0.4837	0.2795	0.0000	-1.901	3.293	126.6
SNB-Da1	0.2505	-0.4331	-0.07073	0.4410	0.2720	-0.0179	-2.228	-4.726	113.3
SNB-Da2	0.2521	-0.4362	-0.005475	0.4585	0.2650	0.0000	-2.226	3.856	113.3
SNB-Db1	0.2214	-0.3817	-0.06713	0.4311	0.2323	-0.0166	-2.388	-4.902	106.6
SNB-Db2	0.2229	-0.3857	-0.003306	0.4125	0.2385	0.0000	-2.387	4.134	106.7
SNB-Ea1	0.17	-0.2911	-0.06038	0.3439	0.2210	-0.0142	-2.702	-5.265	93.28
SNB-Ea2	0.1709	-0.2958	0.0003375	0.3782	0.2186	0.0000	-2.701	4.678	93.34
SNB-Eb1	0.1457	-0.2515	-0.05683	0.3564	0.1819	-0.0134	-2.857	-5.453	86.6
SNB-Eb2	0.1466	-0.2537	0.002522	0.3200	0.1849	0.0000	-2.856	4.948	86.66
SNB-Fa1	0.09166	-0.164	-0.0474	0.2809	0.1474	-0.0106	-3.239	-5.933	69.95
SNB-Fa2	0.09487	-0.1642	0.005443	0.2576	0.1489	0.0000	-3.236	5.605	70.01
SNB-Ga1	0.04591	-0.08468	-0.03517	0.1943	0.1067	-0.0075	-3.678	-6.535	49.96
SNB-Ga2	0.04861	-0.08412	0.006265	0.1863	0.1076	0.0000	-3.675	6.366	50.01
SNB-Ha1	0.01557	-0.03011	-0.0219	0.1002	0.0720	-0.0044	-4.102	-7.161	29.98
SNB-Ha2	0.01854	-0.03208	0.004778	0.1285	0.0742	0.0000	-4.099	7.099	30
SNB-Ia1	0.002295	5.352e-006	-0.007907	0.0175	0.0358	-0.0016	-4.508	-7.813	9.992
SNB-Ia2	0.005114	-0.008851	0.001347	0.0695	0.0401	0.0000	-4.506	7.804	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)	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	0.21	0.0	1.57	0.0	149.29	0.0	0.0	149.30	0.0	-0.50	0.0	2.3	0.0	-0.02	0.0	0.0
SNB-JP	6.91	0.0	2.68	0.0	175.50	0.0	0.0	175.66	0.0	0.73	0.0	3.3	0.0	0.03	0.0	0.0
RohnJ1	-1.33	0.0	0.52	0.0	149.16	0.0	0.0	149.17	0.0	1.78	0.0	-1.5	0.0	0.02	0.0	0.0
RohnJ2	-14.66	0.0	25.22	0.0	-239.97	0.0	0.0	241.74	0.0	-6.33	0.0	-3.7	0.0	-0.00	0.0	0.0
SNB-J1	-5.76	0.0	-4.66	0.0	175.40	0.0	0.0	175.56	0.0	3.19	0.0	-1.0	0.0	-0.03	0.0	0.0
SNB-J2	-27.45	0.0	47.52	0.0	-292.96	0.0	0.0	298.05	0.0	-11.97	0.0	-6.9	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	0.6874	-1.1905	-0.5168	-0.6874	1.1905	0.5168	0.6021	-1.0474	-0.1061
RohnBP	0.7325	-1.2687	-0.7107	-0.7325	1.2687	0.7107	0.4898	-0.8540	-0.1004
RohnCP	0.3486	-0.6038	-0.5960	-0.3486	0.6038	0.5960	0.3803	-0.6654	-0.0934
RohnDP	0.6679	-1.1569	-1.5259	-0.6679	1.1569	1.5259	0.2782	-0.4889	-0.0851
RohnEP	0.2758	-0.4776	-0.8302	-0.2758	0.4776	0.8302	0.1908	-0.3373	-0.0729
RohnFP	0.3499	-0.6061	-1.1116	-0.3499	0.6061	1.1116	0.1182	-0.2143	-0.0605
RohnGP	0.3305	-0.5724	-1.3426	-0.3305	0.5724	1.3426	0.0621	-0.1202	-0.0455
RohnHP	0.3120	-0.5404	-1.4805	-0.3120	0.5404	1.4805	0.0237	-0.0536	-0.0313
RohnIP	0.3445	-0.5967	-1.7490	-0.3445	0.5967	1.7490	0.0025	-0.0142	-0.0152
RohnJP	0.1827	-0.3165	-0.9701	-0.3895	-1.2529	-148.3199	0.0000	0.0000	0.0000
SNB-AP	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.6029	-1.0458	-0.0924
SNB-BP	0.1665	-0.2884	-0.3359	-0.1665	0.2884	0.3359	0.4906	-0.8521	-0.0873
SNB-CP	0.2298	-0.3980	-0.5256	-0.2298	0.3980	0.5256	0.3811	-0.6636	-0.0814
SNB-DP	0.2700	-0.4677	-0.6860	-0.2700	0.4677	0.6860	0.2790	-0.4880	-0.0739
SNB-EP	0.2758	-0.4776	-0.8302	-0.2758	0.4776	0.8302	0.1916	-0.3362	-0.0634
SNB-FP	0.3080	-0.5335	-1.0901	-0.3080	0.5335	1.0901	0.1189	-0.2141	-0.0536
SNB-GP	0.3305	-0.5724	-1.3426	-0.3305	0.5724	1.3426	0.0629	-0.1198	-0.0416
SNB-HP	0.3120	-0.5404	-1.4805	-0.3120	0.5404	1.4805	0.0245	-0.0535	-0.0290
SNB-IP	0.3329	-0.5765	-1.7290	-0.3329	0.5765	1.7290	0.0033	-0.0138	-0.0146
SNB-JP	0.1827	-0.3165	-0.9701	-7.0942	-2.3651	-174.5346	0.0000	0.0000	0.0000
RohnA1	0.7770	-1.3458	-0.5676	-0.7770	1.3458	0.5676	0.6044	-1.0430	-0.1060
RohnA2	0.9007	-1.5601	-0.7497	-0.9007	1.5601	0.7497	0.6072	-1.0472	-0.0345
RohnB1	0.3131	-0.5423	-0.4807	-0.3131	0.5423	0.4807	0.4921	-0.8487	-0.1003
RohnB2	0.3040	-0.5265	-0.4207	-0.3040	0.5265	0.4207	0.4955	-0.8536	-0.0182
RohnC1	0.4048	-0.7011	-0.9160	-0.4048	0.7011	0.9160	0.3840	-0.6602	-0.0933
RohnC2	0.3486	-0.6038	-0.5960	-0.3486	0.6038	0.5960	0.3869	-0.6663	-0.0043
RohnD1	0.6679	-1.1569	-1.5259	-0.6679	1.1569	1.5259	0.2826	-0.4840	-0.0851
RohnD2	0.6679	-1.1569	-1.5259	-0.6679	1.1569	1.5259	0.2854	-0.4915	0.0069
RohnE1	0.2758	-0.4776	-0.8302	-0.2758	0.4776	0.8302	0.1953	-0.3328	-0.0728
RohnE2	0.2758	-0.4776	-0.8302	-0.2758	0.4776	0.8302	0.1974	-0.3398	0.0107
RohnF1	0.3978	-0.6890	-1.1611	-0.3978	0.6890	1.1611	0.1255	-0.2088	-0.0604
RohnF2	0.3499	-0.6061	-1.1116	-0.3499	0.6061	1.1116	0.1278	-0.2199	0.0130
RohnG1	0.3442	-0.5963	-1.3626	-0.3442	0.5963	1.3626	0.0723	-0.1134	-0.0455
RohnG2	0.3442	-0.5963	-1.3626	-0.3442	0.5963	1.3626	0.0742	-0.1276	0.0104
RohnH1	0.3120	-0.5404	-1.4805	-0.3120	0.5404	1.4805	0.0341	-0.0471	-0.0313
RohnH2	0.3120	-0.5404	-1.4805	-0.3120	0.5404	1.4805	0.0358	-0.0614	0.0085
RohnI1	0.3329	-0.5765	-1.7290	-0.3329	0.5765	1.7290	0.0108	-0.0091	-0.0152
RohnI2	0.3329	-0.5765	-1.7290	-0.3329	0.5765	1.7290	0.0117	-0.0200	0.0034
RohnJ1	0.1827	-0.3165	-0.9701	1.1425	-0.2057	-148.1911	0.0000	0.0000	0.0000
RohnJ2	0.1827	-0.3165	-0.9701	14.4745	-24.9077	240.9428	0.0000	0.0000	0.0000
SNB-A1	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.6052	-1.0444	-0.0923
SNB-A2	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.6054	-1.0472	-0.0532
SNB-B1	0.1665	-0.2884	-0.3359	-0.1665	0.2884	0.3359	0.4933	-0.8504	-0.0873
SNB-B2	0.1665	-0.2884	-0.3359	-0.1665	0.2884	0.3359	0.4935	-0.8537	-0.0359
SNB-C1	0.2298	-0.3980	-0.5256	-0.2298	0.3980	0.5256	0.3845	-0.6615	-0.0814
SNB-C2	0.2298	-0.3980	-0.5256	-0.2298	0.3980	0.5256	0.3852	-0.6663	-0.0204
SNB-D1	0.2700	-0.4677	-0.6860	-0.2700	0.4677	0.6860	0.2834	-0.4854	-0.0739
SNB-D2	0.2700	-0.4677	-0.6860	-0.2700	0.4677	0.6860	0.2840	-0.4913	-0.0083
SNB-E1	0.2758	-0.4776	-0.8302	-0.2758	0.4776	0.8302	0.1955	-0.3338	-0.0634
SNB-E2	0.2758	-0.4776	-0.8302	-0.2758	0.4776	0.8302	0.1962	-0.3396	-0.0021
SNB-F1	0.3080	-0.5335	-1.0901	-0.3080	0.5335	1.0901	0.1260	-0.2100	-0.0535

SNB-F2	0.3080	-0.5335	-1.0901	-0.3080	0.5335	1.0901	0.1268	-0.2195	0.0037
SNB-G1	0.3305	-0.5724	-1.3426	-0.3305	0.5724	1.3426	0.0723	-0.1144	-0.0416
SNB-G2	0.3305	-0.5724	-1.3426	-0.3305	0.5724	1.3426	0.0735	-0.1271	0.0055
SNB-H1	0.3120	-0.5404	-1.4805	-0.3120	0.5404	1.4805	0.0341	-0.0480	-0.0289
SNB-H2	0.3120	-0.5404	-1.4805	-0.3120	0.5404	1.4805	0.0352	-0.0609	0.0057
SNB-I1	0.3329	-0.5765	-1.7290	-0.3329	0.5765	1.7290	0.0103	-0.0097	-0.0146
SNB-I2	0.3329	-0.5765	-1.7290	-0.3329	0.5765	1.7290	0.0112	-0.0194	0.0029
SNB-J1	0.1827	-0.3165	-0.9701	5.5756	4.9725	-174.4335	0.0000	0.0000	0.0000
SNB-J2	0.1827	-0.3165	-0.9701	27.2637	-47.2077	293.9288	0.0000	0.0000	0.0000
RohnAaS	0.6205	-1.0747	-0.3652	-0.6205	1.0747	0.3652	0.5751	-0.9992	-0.1049
RohnAbS	0.0965	-0.1671	-0.1602	-0.0965	0.1671	0.1602	0.5458	-0.9500	-0.1035
RohnAcS	0.0797	-0.1380	-0.1552	-0.0797	0.1380	0.1552	0.5188	-0.9014	-0.1020
RohnBaS	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4632	-0.8056	-0.0988
RohnBbS	0.9254	-1.6028	-1.1757	-0.9254	1.6028	1.1757	0.4347	-0.7591	-0.0972
RohnBcS	0.1652	-0.2861	-0.4457	-0.1652	0.2861	0.4457	0.4087	-0.7104	-0.0953
RohnCaS	1.1340	-1.9642	-1.2307	-1.1340	1.9642	1.2307	0.3467	-0.6057	-0.0909
RohnCbS	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.3130	-0.5451	-0.0880
RohnDaS	0.2007	-0.3477	-0.6061	-0.2007	0.3477	0.6061	0.2493	-0.4352	-0.0814
RohnDbS	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2193	-0.3834	-0.0772
RohnEaS	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1665	-0.2932	-0.0689
RohnEbS	0.1624	-0.2813	-0.5442	-0.1624	0.2813	0.5442	0.1443	-0.2526	-0.0646
RohnFaS	0.1686	-0.2920	-0.6209	-0.1686	0.2920	0.6209	0.0955	-0.1614	-0.0530
RohnGaS	0.1619	-0.2804	-0.7217	-0.1619	0.2804	0.7217	0.0496	-0.0828	-0.0383
RohnHaS	0.1501	-0.2600	-0.7589	-0.1501	0.2600	0.7589	0.0175	-0.0290	-0.0233
RohnIaS	0.1827	-0.3165	-0.9701	-0.1827	0.3165	0.9701	-0.0019	-0.0029	-0.0080
SNB-AaS	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5760	-0.9971	-0.0912
SNB-AbS	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5466	-0.9486	-0.0900
SNB-AcS	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5197	-0.8999	-0.0886
SNB-BaS	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4641	-0.8041	-0.0859
SNB-BbS	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4355	-0.7566	-0.0845
SNB-BcS	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4095	-0.7099	-0.0829
SNB-CaS	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.3475	-0.6030	-0.0792
SNB-CbS	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.3138	-0.5441	-0.0765
SNB-DaS	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2501	-0.4334	-0.0708
SNB-DbS	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2201	-0.3825	-0.0672
SNB-EaS	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1673	-0.2927	-0.0604
SNB-EbS	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1451	-0.2519	-0.0569
SNB-FaS	0.1686	-0.2920	-0.6209	-0.1686	0.2920	0.6209	0.0963	-0.1614	-0.0474
SNB-GaS	0.1619	-0.2804	-0.7217	-0.1619	0.2804	0.7217	0.0504	-0.0821	-0.0352
SNB-HaS	0.1501	-0.2600	-0.7589	-0.1501	0.2600	0.7589	0.0183	-0.0286	-0.0219
SNB-IaS	0.1827	-0.3165	-0.9701	-0.1827	0.3165	0.9701	-0.0012	-0.0020	-0.0079
SNB-WL-A1S	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.6039	-1.0449	-0.1416
SNB-WL-A2S	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.6047	-1.0454	-0.1190
SNB-WL-A3S	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.6040	-1.0458	-0.1217
SNB-WL-B1S	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.4918	-0.8509	-0.1453
SNB-WL-B2S	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.4928	-0.8515	-0.1171
SNB-WL-B3S	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.4919	-0.8521	-0.1178
SNB-WL-C1S	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.3828	-0.6625	-0.1553
SNB-WL-C2S	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.3840	-0.6632	-0.1364
SNB-WL-C3S	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.3829	-0.6639	-0.1367
SNB-WL-D1S	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.2812	-0.4867	-0.1722
SNB-WL-D2S	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.2827	-0.4875	-0.1500
SNB-WL-D3S	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.2813	-0.4884	-0.1502
SNB-WL-E1S	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.1936	-0.3352	-0.1461
SNB-WL-E2S	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.1952	-0.3360	-0.1368
SNB-WL-E3S	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.1936	-0.3370	-0.1367
SNB-WL-F1S	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1229	-0.2128	-0.2080
SNB-WL-F2S	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1248	-0.2138	-0.1991
SNB-WL-F3S	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1229	-0.2149	-0.1993
SNB-WL-G1S	0.1686	-0.2920	-0.6209	-0.1686	0.2920	0.6209	0.0686	-0.1188	-0.2448
SNB-WL-G2S	0.1686	-0.2920	-0.6209	-0.1686	0.2920	0.6209	0.0707	-0.1199	-0.2456
SNB-WL-G3S	0.1686	-0.2920	-0.6209	-0.1686	0.2920	0.6209	0.0686	-0.1211	-0.2457
SNB-WL-H1S	0.1619	-0.2804	-0.7217	-0.1619	0.2804	0.7217	0.0303	-0.0526	-0.2405
SNB-WL-H2S	0.1619	-0.2804	-0.7217	-0.1619	0.2804	0.7217	0.0327	-0.0538	-0.2495
SNB-WL-H3S	0.1619	-0.2804	-0.7217	-0.1619	0.2804	0.7217	0.0303	-0.0552	-0.2495
SNB-WL-I1S	0.1501	-0.2600	-0.7589	-0.1501	0.2600	0.7589	0.0075	-0.0129	-0.1807

SNB-WL-I2S	0.1501	-0.2600	-0.7589	-0.1501	0.2600	0.7589	0.0100	-0.0143	-0.1994
SNB-WL-I3S	0.1501	-0.2600	-0.7589	-0.1501	0.2600	0.7589	0.0074	-0.0158	-0.1993
RohnAa1	0.1928	-0.3340	-0.2050	-0.1928	0.3340	0.2050	0.5755	-0.9951	-0.1048
RohnAa2	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5783	-0.9978	-0.0300
RohnAb1	0.6085	-1.0540	-0.3552	-0.6085	1.0540	0.3552	0.5483	-0.9459	-0.1034
RohnAb2	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5512	-0.9498	-0.0258
RohnAc1	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5190	-0.8977	-0.1019
RohnAc2	0.2272	-0.3936	-0.2277	-0.2272	0.3936	0.2277	0.5226	-0.9009	-0.0218
RohnBa1	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4636	-0.8017	-0.0987
RohnBa2	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4674	-0.8050	-0.0143
RohnBb1	0.9026	-1.5634	-1.1557	-0.9026	1.5634	1.1557	0.4378	-0.7539	-0.0971
RohnBb2	0.9026	-1.5634	-1.1557	-0.9026	1.5634	1.1557	0.4404	-0.7586	-0.0107
RohnBc1	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4087	-0.7072	-0.0952
RohnBc2	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4125	-0.7106	-0.0073
RohnCa1	1.1340	-1.9642	-1.2307	-1.1340	1.9642	1.2307	0.3492	-0.6014	-0.0908
RohnCa2	1.2336	-2.1366	-1.3037	-1.2336	2.1366	1.3037	0.3514	-0.6053	-0.0001
RohnCb1	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.3138	-0.5421	-0.0880
RohnCb2	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.3171	-0.5462	0.0038
RohnDa1	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2505	-0.4321	-0.0813
RohnDa2	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2534	-0.4364	0.0089
RohnDb1	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2209	-0.3805	-0.0771
RohnDb2	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2242	-0.3860	0.0102
RohnEa1	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1694	-0.2898	-0.0689
RohnEa2	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1720	-0.2961	0.0119
RohnEb1	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1454	-0.2504	-0.0646
RohnEb2	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1476	-0.2541	0.0129
RohnFa1	0.1686	-0.2920	-0.6209	-0.1686	0.2920	0.6209	0.0911	-0.1628	-0.0529
RohnFa2	0.1686	-0.2920	-0.6209	-0.1686	0.2920	0.6209	0.0957	-0.1646	0.0127
RohnGa1	0.1619	-0.2804	-0.7217	-0.1619	0.2804	0.7217	0.0463	-0.0840	-0.0383
RohnGa2	0.1619	-0.2804	-0.7217	-0.1619	0.2804	0.7217	0.0493	-0.0846	0.0102
RohnHa1	0.1501	-0.2600	-0.7589	-0.1501	0.2600	0.7589	0.0160	-0.0294	-0.0233
RohnHa2	0.1501	-0.2600	-0.7589	-0.1501	0.2600	0.7589	0.0191	-0.0326	0.0065
RohnIa1	0.1827	-0.3165	-0.9701	-0.1827	0.3165	0.9701	0.0033	0.0003	-0.0080
RohnIa2	0.1827	-0.3165	-0.9701	-0.1827	0.3165	0.9701	0.0056	-0.0095	0.0017
SNB-Aa1	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5764	-0.9966	-0.0911
SNB-Aa2	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5767	-0.9978	-0.0487
SNB-Ab1	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5490	-0.9472	-0.0899
SNB-Ab2	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5492	-0.9499	-0.0443
SNB-Ac1	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5202	-0.8994	-0.0886
SNB-Ac2	0.0705	-0.1221	-0.1352	-0.0705	0.1221	0.1352	0.5207	-0.9009	-0.0400
SNB-Ba1	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4649	-0.8034	-0.0859
SNB-Ba2	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4654	-0.8052	-0.0318
SNB-Bb1	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4380	-0.7550	-0.0845
SNB-Bb2	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4385	-0.7586	-0.0279
SNB-Bc1	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4105	-0.7092	-0.0829
SNB-Bc2	0.0960	-0.1663	-0.2007	-0.0960	0.1663	0.2007	0.4107	-0.7106	-0.0240
SNB-Ca1	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.3488	-0.6021	-0.0791
SNB-Ca2	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.3498	-0.6052	-0.0159
SNB-Cb1	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.3146	-0.5435	-0.0765
SNB-Cb2	0.1337	-0.2317	-0.3250	-0.1337	0.2317	0.3250	0.3156	-0.5461	-0.0117
SNB-Da1	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2505	-0.4331	-0.0707
SNB-Da2	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2521	-0.4362	-0.0055
SNB-Db1	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2214	-0.3817	-0.0671
SNB-Db2	0.1363	-0.2360	-0.3611	-0.1363	0.2360	0.3611	0.2229	-0.3857	-0.0033
SNB-Ea1	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1700	-0.2911	-0.0604
SNB-Ea2	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1709	-0.2958	0.0003
SNB-Eb1	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1457	-0.2515	-0.0568
SNB-Eb2	0.1395	-0.2416	-0.4692	-0.1395	0.2416	0.4692	0.1466	-0.2537	0.0025
SNB-Fa1	0.1686	-0.2920	-0.6209	-0.1686	0.2920	0.6209	0.0917	-0.1640	-0.0474
SNB-Fa2	0.1686	-0.2920	-0.6209	-0.1686	0.2920	0.6209	0.0949	-0.1642	0.0054
SNB-Ga1	0.1619	-0.2804	-0.7217	-0.1619	0.2804	0.7217	0.0459	-0.0847	-0.0352
SNB-Ga2	0.1619	-0.2804	-0.7217	-0.1619	0.2804	0.7217	0.0486	-0.0841	0.0063
SNB-Ha1	0.1501	-0.2600	-0.7589	-0.1501	0.2600	0.7589	0.0156	-0.0301	-0.0219
SNB-Ha2	0.1501	-0.2600	-0.7589	-0.1501	0.2600	0.7589	0.0185	-0.0321	0.0048
SNB-Ia1	0.1827	-0.3165	-0.9701	-0.1827	0.3165	0.9701	0.0023	0.0000	-0.0079
SNB-Ia2	0.1827	-0.3165	-0.9701	-0.1827	0.3165	0.9701	0.0051	-0.0089	0.0013

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	0.00	0.00	0.00	-40.51	-154.04	-8.10	-30.80
Rohn-LA11	-0.00	0.00	-0.00	-78.44	125.17	-15.68	25.02
Rohn-LA12	-0.00	0.00	0.00	86.81	103.64	17.36	20.72
Rohn-LA2P	0.01	40.51	154.04	9.25	193.95	9.95	69.58
Rohn-LA21	-0.00	78.45	-125.17	85.75	-184.08	32.83	-61.83
Rohn-LA22	-0.00	-86.81	-103.64	-100.91	-120.51	-37.53	-44.81
Rohn-LA3P	0.02	-9.25	-193.95	90.41	-210.44	16.23	-80.85
Rohn-LA31	-0.00	-85.75	184.08	-98.49	213.84	-36.84	79.56
Rohn-LA32	-0.00	100.91	120.51	145.84	132.14	49.33	50.51
Rohn-LA4P	0.01	-90.41	210.44	-146.40	284.82	-47.35	99.02
Rohn-LA41	0.02	98.50	-213.84	181.08	-239.14	55.90	-90.57
Rohn-LA42	-0.00	-145.84	-132.14	-182.52	-139.07	-65.64	-54.21
Rohn-LB1P	0.02	146.40	-284.81	328.28	-383.45	94.91	-133.61
Rohn-LB11	-0.02	-181.08	239.15	-176.22	460.38	-71.44	139.86
Rohn-LB12	-0.01	182.52	139.07	341.75	193.65	104.80	66.51
Rohn-LB2P	0.00	-328.27	383.45	-415.35	466.56	-148.68	169.95
Rohn-LB21	-0.01	176.23	-460.37	198.32	-585.31	74.89	-209.08
Rohn-LB22	0.00	-341.75	-193.64	-366.95	-218.14	-141.66	-82.31
Rohn-LB3P	0.01	415.36	-466.56	474.92	-473.74	178.01	-188.01
Rohn-LB31	-0.01	-198.30	585.32	-169.88	643.83	-73.62	245.77
Rohn-LB32	0.00	366.95	218.14	547.48	339.17	182.78	111.40
Rohn-LB4P	-0.10	-474.91	473.75	-76.22	499.16	-110.20	194.54
Rohn-LB41	0.10	169.91	-643.82	385.65	-319.18	111.09	-192.56
Rohn-LB42	0.00	-547.49	-339.16	-374.97	-237.59	-184.37	-115.28
Rohn-LC1P	-0.04	76.22	-499.15	-159.02	-44.35	-12.43	-81.59
Rohn-LC11	0.04	-385.64	319.18	-112.17	-110.23	-74.73	31.37
Rohn-LC12	-0.00	374.97	237.59	192.81	120.34	85.20	53.71
Rohn-LC2P	-0.03	159.02	44.35	427.64	-313.01	87.81	-40.21
Rohn-LC21	0.03	112.18	110.23	-59.23	523.09	7.92	94.79
Rohn-LC22	-0.00	-192.81	-120.33	448.95	263.10	38.32	21.36
Rohn-LC3P	-0.15	-427.63	313.02	135.85	816.00	-43.80	169.49
Rohn-LC31	0.15	59.24	-523.09	762.28	-306.72	123.33	-124.57
Rohn-LC32	-0.00	-448.95	-263.09	-298.62	-173.53	-112.17	-65.51
Rohn-LD1P	0.02	-135.85	-816.00	70.58	-351.35	-9.80	-175.26
Rohn-LD11	-0.03	-762.28	306.72	-248.13	266.65	-151.70	86.09
Rohn-LD12	-0.00	298.62	173.53	601.94	346.74	135.10	78.05
Rohn-LD2P	-0.08	-70.58	351.35	651.97	139.62	87.03	73.50
Rohn-LD21	0.08	248.13	-266.65	433.37	478.29	102.02	31.68
Rohn-LD22	-0.00	-601.95	-346.73	293.71	168.03	-46.10	-26.73
Rohn-LD3P	-0.09	-651.97	-139.62	-15.58	433.61	-100.23	44.14
Rohn-LD31	0.09	-433.36	-478.30	374.51	-222.51	-8.84	-105.23
Rohn-LD32	-0.00	-293.71	-168.02	274.97	163.69	-2.81	-0.65
Rohn-LE1P	0.05	15.58	-433.61	537.52	590.50	83.04	23.56
Rohn-LE11	-0.05	-374.51	222.52	772.19	162.96	59.71	57.88
Rohn-LE12	-0.00	-274.97	-163.68	-166.57	-103.59	-66.24	-40.09
Rohn-LE2P	0.20	-537.52	-590.50	188.32	-1459.17	-52.27	-306.83
Rohn-LE21	-0.20	-772.18	-162.97	-1155.10	910.16	-288.51	111.85
Rohn-LE22	-0.00	166.57	103.59	1637.71	955.86	269.85	158.45
Rohn-LE3P	-0.17	-188.32	1459.17	124.65	2752.26	-9.56	632.33
Rohn-LE31	0.17	1155.12	-910.13	2425.91	-1293.72	537.68	-330.90
Rohn-LE32	-0.00	-1637.74	-955.82	-1491.08	-865.59	-469.32	-273.21
Rohn-LF1P	0.88	-124.65	-2752.26	1159.99	-2726.84	103.54	-547.94
Rohn-LF11	-0.87	-2425.88	1293.77	-1770.70	2380.44	-419.68	367.44
Rohn-LF12	-0.00	1491.07	865.60	2733.88	1587.72	422.04	245.07
Rohn-LF2P	-1.07	-1159.98	2726.84	-135.70	3974.20	-129.58	670.16
Rohn-LF21	1.08	1770.83	-2380.35	3365.51	-2113.37	513.68	-449.41
Rohn-LF22	-0.00	-2733.95	-1587.61	-2277.01	-1320.51	-500.51	-290.47
Rohn-LG1P	0.72	135.70	-3974.20	1142.17	-3883.93	127.79	-785.80
Rohn-LG11	-0.72	-3365.45	2113.47	-2787.29	2937.10	-615.27	505.05

Rohn-LG12	-0.00	2276.99	1320.54	3848.81	2227.40	611.97	354.44
Rohn-LG2P	-0.91	-1142.16	3883.94	-17.25	4366.37	-115.94	825.05
Rohn-LG21	0.92	2787.43	-2936.97	3768.46	-2203.42	655.60	-514.05
Rohn-LG22	-0.00	-3848.91	-2227.24	-2419.87	-1397.02	-626.22	-362.05
Rohn-LH1P	1.11	17.24	-4366.37	1410.15	-2949.47	142.74	-731.62
Rohn-LH11	-1.10	-3768.40	2203.52	-1847.93	2697.61	-561.66	490.13
Rohn-LH12	-0.00	2419.85	1397.05	2886.77	1666.82	530.07	306.05
Rohn-LH2P	-0.58	-1410.14	2949.47	-237.81	2715.37	-164.81	566.53
Rohn-LH21	0.58	1848.05	-2697.52	2232.75	-1562.99	408.11	-426.09
Rohn-LH22	-0.00	-2886.83	-1666.73	-415.85	-237.36	-329.89	-190.19
Rohn-LI1P	0.59	237.81	-2715.37	2540.07	1849.90	277.78	-86.54
Rohn-LI11	-0.60	-2232.73	1563.01	2881.59	1291.44	64.88	285.43
Rohn-LI12	-0.00	415.85	237.35	-1158.65	-683.57	-74.21	-44.58
Rohn-LI2P	0.54	-2540.07	-1849.90	497.14	-2287.41	-204.29	-413.73
Rohn-LI21	-0.53	-2881.58	-1291.48	-1781.45	1488.55	-466.31	19.71
Rohn-LI22	-0.00	1158.65	683.56	6332.85	3718.32	748.41	439.75
SNB-LA1P	0.00	0.00	0.00	10.90	-209.61	2.18	-41.91
SNB-LA11	-0.00	0.00	-0.00	-132.99	124.95	-26.59	24.98
SNB-LA12	-0.00	0.00	0.00	133.84	112.82	26.76	22.56
SNB-LA2P	0.00	-10.90	209.61	-19.99	264.38	-6.18	94.76
SNB-LA21	-0.00	133.00	-124.95	167.96	-162.67	60.17	-57.50
SNB-LA22	0.00	-133.84	-112.82	-156.05	-132.73	-57.95	-49.09
SNB-LA3P	0.01	19.99	-264.37	62.84	-290.03	16.56	-110.84
SNB-LA31	-0.01	-167.95	162.67	-183.37	212.89	-70.24	75.09
SNB-LA32	-0.00	156.05	132.73	213.52	158.06	73.88	58.13
SNB-LA4P	-0.01	-62.84	290.03	-49.08	402.03	-22.38	138.36
SNB-LA41	0.01	183.38	-212.89	303.16	-255.68	97.27	-93.68
SNB-LA42	-0.00	-213.52	-158.06	-266.27	-179.11	-95.91	-67.40
SNB-LB1P	-0.00	49.08	-402.03	73.96	-580.12	24.60	-196.36
SNB-LB11	0.01	-303.15	255.69	-461.13	362.09	-152.80	123.51
SNB-LB12	-0.00	266.27	179.11	512.36	306.61	155.66	97.10
SNB-LB2P	-0.04	-73.96	580.12	91.89	705.47	3.58	257.03
SNB-LB21	0.04	461.14	-362.09	654.11	-274.86	222.98	-127.35
SNB-LB22	-0.00	-512.36	-306.60	-558.71	-325.86	-214.11	-126.43
SNB-LB3P	0.02	-91.89	-705.47	19.28	-680.65	-14.52	-277.14
SNB-LB31	-0.02	-654.11	274.86	-573.65	357.21	-245.47	126.37
SNB-LB32	-0.00	558.71	325.87	820.45	477.47	275.70	160.59
SNB-LB4P	-0.02	-19.28	680.65	80.64	574.08	12.27	250.87
SNB-LB41	0.02	573.65	-357.20	530.72	-216.71	220.81	-114.75
SNB-LB42	-0.00	-820.46	-477.45	-437.70	-255.95	-251.50	-146.60
SNB-LC1P	0.02	-80.64	-574.07	81.38	-72.70	0.11	-97.08
SNB-LC11	-0.02	-530.71	216.71	-18.72	107.43	-82.47	48.65
SNB-LC12	-0.00	437.70	255.95	193.83	114.59	94.77	55.61
SNB-LC2P	0.00	-81.38	72.70	205.70	-274.42	18.61	-30.19
SNB-LC21	-0.00	18.72	-107.43	-135.19	315.09	-17.43	31.08
SNB-LC22	-0.00	-193.83	-114.59	384.05	221.60	28.46	16.01
SNB-LC3P	-0.07	-205.70	274.43	12.90	760.99	-28.94	155.43
SNB-LC31	0.07	135.20	-315.08	662.81	-369.02	119.79	-102.69
SNB-LC32	-0.00	-384.05	-221.59	-281.40	-164.46	-99.85	-57.93
SNB-LD1P	0.09	-12.90	-760.99	403.05	-338.98	58.57	-165.13
SNB-LD11	-0.08	-662.80	369.02	-86.85	519.81	-112.54	133.44
SNB-LD12	-0.00	281.40	164.46	641.19	374.87	138.42	80.92
SNB-LD2P	-0.05	-403.04	338.98	406.35	107.44	0.50	66.82
SNB-LD21	0.05	86.87	-519.81	290.85	297.51	56.54	-33.27
SNB-LD22	-0.00	-641.20	-374.85	303.92	171.54	-50.45	-30.41
SNB-LD3P	-0.06	-406.35	-107.43	310.68	603.54	-14.36	74.48
SNB-LD31	0.06	-290.84	-297.52	682.58	-31.06	58.81	-49.33
SNB-LD32	-0.00	-303.92	-171.54	364.41	216.84	9.07	6.80
SNB-LE1P	-0.02	-310.67	-603.53	667.51	1254.87	53.57	97.78
SNB-LE11	0.02	-682.57	31.06	1411.12	-51.87	109.37	-3.12
SNB-LE12	-0.00	-364.41	-216.83	-260.10	-157.92	-93.70	-56.23
SNB-LE2P	0.30	-667.51	-1254.87	766.89	-2835.18	14.88	-612.20
SNB-LE21	-0.30	-1411.12	51.86	-2060.20	2086.53	-519.59	320.07
SNB-LE22	-0.00	260.10	157.92	3286.89	1909.59	530.58	309.27
SNB-LE3P	-0.46	-766.88	2835.18	84.69	4889.28	-102.42	1159.66
SNB-LE31	0.46	2060.26	-2086.48	4265.24	-2374.86	949.63	-669.77

SNB-LE32	-0.00	-3286.94	-1909.50	-2647.54	-1537.06	-890.31	-517.06
SNB-LF1P	1.43	-84.69	-4889.27	1700.70	-4582.49	161.59	-947.09
SNB-LF11	-1.43	-4265.19	2374.95	-3109.68	3768.47	-737.42	614.29
SNB-LF12	-0.00	2647.52	1537.08	4387.99	2542.66	702.94	407.62
SNB-LF2P	-1.82	-1700.68	4582.49	-279.79	7126.40	-198.03	1170.80
SNB-LF21	1.83	3109.88	-3768.31	6023.33	-3809.53	913.25	-757.73
SNB-LF22	-0.00	-4388.09	-2542.48	-4064.11	-2353.71	-844.42	-489.15
SNB-LG1P	1.49	279.79	-7126.40	3088.68	-8506.35	336.81	-1563.13
SNB-LG11	-1.48	-6023.22	3809.71	-5815.08	6933.74	-1183.72	1074.24
SNB-LG12	-0.00	4064.08	2353.76	8686.60	5025.77	1273.92	737.29
SNB-LG2P	-2.12	-3088.66	8506.35	-478.48	10061.55	-356.70	1856.69
SNB-LG21	2.12	5815.44	-6933.44	8469.14	-5448.65	1428.38	-1238.14
SNB-LG22	-0.00	-8686.82	-5025.40	-5568.64	-3220.24	-1424.21	-823.79
SNB-LH1P	2.56	478.48	-10061.54	3619.21	-6827.99	409.75	-1688.87
SNB-LH11	-2.55	-8469.00	5448.87	-4100.57	6551.80	-1256.90	1200.01
SNB-LH12	-0.00	5568.60	3220.31	6760.20	3908.28	1231.64	712.14
SNB-LH2P	-1.22	-3619.21	6827.99	-1023.98	6261.74	-464.33	1308.99
SNB-LH21	1.22	4100.87	-6551.61	4908.59	-4019.95	900.96	-1057.17
SNB-LH22	-0.00	-6760.33	-3908.06	-1032.72	-596.13	-778.51	-449.96
SNB-LI1P	1.71	1023.98	-6261.73	6669.96	2844.88	769.32	-341.66
SNB-LI11	-1.71	-4908.55	4020.00	5800.14	4355.55	89.15	837.48
SNB-LI12	-0.00	1032.73	596.12	-1622.78	-937.56	-58.95	-34.11
SNB-LI2P	0.75	-6669.96	-2844.87	-732.07	-3251.38	-740.21	-609.63
SNB-LI21	-0.75	-5800.05	-4355.66	-3185.69	984.97	-898.59	-337.07
SNB-LI22	-0.00	1622.78	937.56	11972.42	6922.26	1358.23	785.24

*** 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	1.301	0.001815	-0.1343	0.0048	0.6637	0.0001	5.634	0.001815	179.9
RohnBP	1.061	0.00171	-0.1325	-0.0027	0.6729	-0.0001	6.182	0.00171	159.9
RohnCP	0.8264	0.001222	-0.128	-0.0006	0.6546	-0.0000	6.735	0.001222	139.9
RohnDP	0.6075	0.0009513	-0.1208	-0.0000	0.5846	-0.0000	7.303	0.0009513	119.9
RohnEP	0.4188	0.000827	-0.1054	-0.0004	0.4853	-0.0000	7.9	0.000827	99.89
RohnFP	0.2642	0.0006615	-0.08912	-0.0005	0.3750	-0.0000	8.532	0.0006615	79.91
RohnGP	0.1448	0.000511	-0.0674	-0.0005	0.2655	-0.0000	9.2	0.000511	59.93
RohnHP	0.06131	0.0003325	-0.04693	-0.0005	0.1978	-0.0000	9.902	0.0003325	39.95
RohnIP	0.01277	0.0001695	-0.02256	-0.0005	0.1040	-0.0000	10.64	0.0001695	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	1.302	-0.0005701	-0.1082	0.0025	0.6637	0.0001	3.635	-0.0005701	179.9
SNB-BP	1.062	-0.0003967	-0.1076	0.0003	0.6718	0.0000	4.183	-0.0003967	159.9
SNB-CP	0.8273	-0.0002444	-0.1053	0.0003	0.6617	0.0000	4.735	-0.0002444	139.9
SNB-DP	0.6084	-0.0001313	-0.09952	0.0003	0.5810	0.0000	5.303	-0.0001313	119.9
SNB-EP	0.4196	-7.433e-005	-0.08739	0.0001	0.4799	0.0000	5.901	-7.433e-005	99.91
SNB-FP	0.265	-3.593e-005	-0.07593	0.0001	0.3866	0.0000	6.533	-3.593e-005	79.92
SNB-GP	0.1456	-1.017e-005	-0.06001	0.0000	0.2469	0.0000	7.201	-1.017e-005	59.94
SNB-HP	0.06209	3.312e-006	-0.0426	0.0000	0.1969	0.0000	7.903	3.312e-006	39.96
SNB-IP	0.01355	4.816e-006	-0.02151	-0.0000	0.1053	-0.0000	8.642	4.816e-006	19.98
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	1.308	5.032e-006	-0.05747	-0.0151	0.7100	-0.0237	-0.8589	-3.752	179.9
RohnA2	1.303	-0.003628	-0.05738	0.0135	0.7120	0.0239	-0.8631	3.749	179.9
RohnB1	1.067	0.0007146	-0.04424	-0.0039	0.6901	-0.0234	-1.493	-4.434	160
RohnB2	1.063	-0.003807	-0.04413	0.0064	0.6879	0.0233	-1.497	4.431	160
RohnC1	0.8333	0.001769	-0.03225	-0.0004	0.6308	-0.0215	-2.121	-5.116	140
RohnC2	0.8306	-0.003957	-0.03214	0.0026	0.6282	0.0214	-2.124	5.113	140
RohnD1	0.6144	0.002959	-0.02171	-0.0042	0.5859	-0.0200	-2.733	-5.795	120
RohnD2	0.6124	-0.004495	-0.02163	0.0052	0.5849	0.0199	-2.735	5.794	120
RohnE1	0.4253	0.002915	-0.01508	0.0038	0.4797	-0.0166	-3.315	-6.476	99.98
RohnE2	0.4236	-0.004095	-0.01502	-0.0029	0.4788	0.0166	-3.317	6.475	99.98
RohnF1	0.2729	0.005387	-0.00955	0.0022	0.4024	-0.0139	-3.861	-7.155	79.99
RohnF2	0.2716	-0.006266	-0.009506	-0.0014	0.4015	0.0139	-3.862	7.154	79.99
RohnG1	0.1558	0.007133	-0.006676	-0.0149	0.2884	-0.0096	-4.372	-7.835	59.99
RohnG2	0.1548	-0.00774	-0.006649	0.0156	0.2875	0.0096	-4.373	7.834	59.99
RohnH1	0.07212	0.007382	-0.003587	0.0099	0.1903	-0.0069	-4.848	-8.515	40
RohnH2	0.07153	-0.007749	-0.003571	-0.0092	0.1894	0.0069	-4.849	8.515	40
RohnI1	0.02129	0.005563	-0.002259	0.0204	0.0822	-0.0034	-5.294	-9.2	20
RohnI2	0.02099	-0.005738	-0.002253	-0.0199	0.0814	0.0033	-5.294	9.2	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	1.305	0.0005896	-0.06614	-0.0167	0.7072	-0.0237	0.1385	-2.02	179.9
SNB-A2	1.305	-0.001911	-0.06609	0.0176	0.7049	0.0236	0.1383	2.019	179.9
SNB-B1	1.065	0.001054	-0.05246	-0.0078	0.6857	-0.0232	-0.4957	-2.702	159.9
SNB-B2	1.065	-0.002048	-0.05241	0.0089	0.6859	0.0232	-0.4959	2.701	159.9
SNB-C1	0.8312	0.002082	-0.03968	0.0153	0.6458	-0.0226	-1.123	-3.382	140
SNB-C2	0.8311	-0.002766	-0.03963	-0.0145	0.6458	0.0226	-1.123	3.382	140
SNB-D1	0.6132	0.002723	-0.02876	-0.0019	0.5940	-0.0203	-1.734	-4.063	120
SNB-D2	0.6131	-0.003178	-0.02872	0.0025	0.5938	0.0203	-1.734	4.063	120
SNB-E1	0.4238	0.00285	-0.02105	0.0018	0.4758	-0.0164	-2.317	-4.744	99.98
SNB-E2	0.4237	-0.003129	-0.02102	-0.0014	0.4757	0.0164	-2.317	4.744	99.98
SNB-F1	0.2722	0.004882	-0.01387	0.0063	0.3958	-0.0138	-2.862	-5.423	79.99
SNB-F2	0.2722	-0.005043	-0.01385	-0.0061	0.3958	0.0138	-2.862	5.423	79.99
SNB-G1	0.155	0.006696	-0.008897	-0.0242	0.2987	-0.0098	-3.373	-6.103	59.99
SNB-G2	0.1549	-0.006782	-0.008881	0.0244	0.2986	0.0098	-3.373	6.103	59.99
SNB-H1	0.07154	0.006818	-0.004811	0.0083	0.1898	-0.0069	-3.849	-6.784	40
SNB-H2	0.07151	-0.006857	-0.004801	-0.0082	0.1898	0.0069	-3.849	6.784	40
SNB-I1	0.02044	0.005154	-0.002366	0.0216	0.0856	-0.0035	-4.294	-7.467	20

SNB-I2	0.02043	-0.005165	-0.002362	-0.0216	0.0856	0.0035	-4.294	7.467	20	
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0	
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0	
RohnAaS	1.242	0.002082	-0.1342	-0.0005	0.6975	-0.0000	5.772	0.002082	174.9	
RohnAbS	1.181	0.001902	-0.1339	0.0003	0.6888	-0.0000	5.908	0.001902	169.9	
RohnAcS	1.122	0.002075	-0.1333	-0.0010	0.6888	-0.0000	6.046	0.002075	164.9	
RohnBaS	1.003	0.001595	-0.1317	-0.0012	0.6793	-0.0000	6.321	0.001595	154.9	
RohnBbS	0.9424	0.001436	-0.1308	-0.0019	0.6703	-0.0001	6.457	0.001436	149.9	
RohnBcS	0.8853	0.001308	-0.1296	-0.0012	0.6641	-0.0000	6.597	0.001308	144.9	
RohnCaS	0.7528	0.001148	-0.1261	-0.0011	0.6198	-0.0000	6.924	0.001148	133.2	
RohnCbS	0.68	0.0009865	-0.1237	-0.0010	0.6333	-0.0000	7.113	0.0009865	126.5	
RohnDaS	0.5429	0.0009288	-0.1164	-0.0004	0.5447	-0.0000	7.5	0.0009288	113.2	
RohnDbS	0.4789	0.0008717	-0.1111	-0.0005	0.5394	-0.0000	7.698	0.0008717	106.5	
RohnEaS	0.3655	0.0007802	-0.1004	-0.0004	0.4270	-0.0000	8.109	0.0007802	93.24	
RohnEbS	0.3158	0.0007359	-0.09481	-0.0006	0.4489	-0.0000	8.322	0.0007359	86.57	
RohnFaS	0.2078	0.000606	-0.07858	-0.0004	0.3493	-0.0000	8.869	0.000606	69.92	
RohnGaS	0.1078	0.0004262	-0.05735	-0.0005	0.2393	-0.0000	9.556	0.0004262	49.94	
RohnHaS	0.03948	0.0002534	-0.03504	-0.0005	0.1290	-0.0000	10.27	0.0002534	29.96	
RohnIaS	0.001692	8.25e-005	-0.01177	-0.0006	0.0251	-0.0000	11.03	8.25e-005	9.988	
SNB-AaS	1.243	-0.0004323	-0.1082	-0.0003	0.6977	-0.0000	3.773	-0.0004323	174.9	
SNB-AbS	1.182	-0.0005133	-0.1081	0.0006	0.6888	0.0000	3.909	-0.0005133	169.9	
SNB-AcS	1.123	-0.0003522	-0.1079	0.0008	0.6894	0.0000	4.047	-0.0003522	164.9	
SNB-BaS	1.003	-0.0003255	-0.1072	0.0006	0.6797	0.0000	4.321	-0.0003255	154.9	
SNB-BbS	0.9434	-0.0003075	-0.1068	0.0003	0.6709	0.0000	4.458	-0.0003075	149.9	
SNB-BcS	0.8862	-0.0002632	-0.106	0.0004	0.6626	0.0000	4.597	-0.0002632	144.9	
SNB-CaS	0.7538	-0.0001877	-0.1039	0.0003	0.6179	0.0000	4.924	-0.0001877	133.2	
SNB-CbS	0.6809	-0.0001757	-0.1018	0.0002	0.6349	0.0000	5.114	-0.0001757	126.6	
SNB-DaS	0.5438	-0.0001116	-0.09622	0.0002	0.5458	0.0000	5.501	-0.0001116	113.2	
SNB-DbS	0.4798	-8.962e-005	-0.09206	0.0002	0.5411	0.0000	5.699	-8.962e-005	106.6	
SNB-EaS	0.3663	-6.042e-005	-0.08411	0.0002	0.4300	0.0000	6.109	-6.042e-005	93.26	
SNB-EbS	0.3166	-4.291e-005	-0.08005	0.0001	0.4461	0.0000	6.323	-4.291e-005	86.58	
SNB-FaS	0.2086	-1.524e-005	-0.06813	0.0001	0.3520	0.0000	6.87	-1.524e-005	69.93	
SNB-GaS	0.1086	5.238e-007	-0.05147	0.0000	0.2446	0.0000	7.557	5.238e-007	49.95	
SNB-HaS	0.04026	6.153e-006	-0.03244	0.0000	0.1295	0.0000	8.275	6.153e-006	29.97	
SNB-IaS	0.002473	3.486e-006	-0.01158	-0.0000	0.0284	-0.0000	9.024	3.486e-006	9.988	
SNB-WL-A1S	1.303	-0.0002136	-0.1379	0.0000	0.0000	0.0000	1.886	-1.01	179.9	
SNB-WL-A2S	1.304	-0.0006602	-0.1116	0.0000	0.0000	0.0000	0.1375	-0.0006602	179.9	
SNB-WL-A3S	1.303	-0.0009877	-0.1369	0.0000	0.0000	0.0000	1.886	1.009	179.9	
SNB-WL-B1S	1.063	8.492e-005	-0.1379	0.0000	0.0000	0.0000	1.843	-1.351	159.9	
SNB-WL-B2S	1.064	-0.0004969	-0.108	0.0000	0.0000	0.0000	-0.4967	-0.0004969	159.9	
SNB-WL-B3S	1.063	-0.0009506	-0.1367	0.0000	0.0000	0.0000	1.843	1.35	159.9	
SNB-WL-C1S	0.8287	0.0003551	-0.1503	0.0000	0.0000	0.0000	1.806	-1.692	139.8	
SNB-WL-C2S	0.8299	-0.0003419	-0.1301	0.0000	0.0000	0.0000	-1.124	-0.0003419	139.9	
SNB-WL-C3S	0.8287	-0.0009328	-0.1499	0.0000	0.0000	0.0000	1.806	1.691	139.9	
SNB-WL-D1S	0.6102	0.000585	-0.1657	0.0000	0.0000	0.0000	1.784	-2.032	119.8	
SNB-WL-D2S	0.6117	-0.0002267	-0.1415	0.0000	0.0000	0.0000	-1.736	-0.0002267	119.9	
SNB-WL-D3S	0.6101	-0.0009466	-0.1658	0.0000	0.0000	0.0000	1.784	2.032	119.8	
SNB-WL-E1S	0.4213	0.0007981	-0.1429	0.0000	0.0000	0.0000	1.792	-2.373	99.86	
SNB-WL-E2S	0.423	-0.0001389	-0.1337	0.0000	0.0000	0.0000	-2.318	-0.0001389	99.87	
SNB-WL-E3S	0.4213	-0.001012	-0.143	0.0000	0.0000	0.0000	1.792	2.372	99.86	
SNB-WL-F1S	0.2684	0.0009777	-0.2055	0.0000	0.0000	0.0000	1.835	-2.713	79.79	
SNB-WL-F2S	0.2703	-8.03e-005	-0.196	0.0000	0.0000	0.0000	-2.864	-8.03e-005	79.8	
SNB-WL-F3S	0.2684	-0.001091	-0.2054	0.0000	0.0000	0.0000	1.835	2.713	79.79	
SNB-WL-G1S	0.1505	0.001133	-0.2448	0.0000	0.0000	0.0000	1.914	-3.054	59.76	
SNB-WL-G2S	0.1527	-4.273e-005	-0.2466	0.0000	0.0000	0.0000	-3.375	-4.273e-005	59.75	
SNB-WL-G3S	0.1505	-0.001185	-0.2448	0.0000	0.0000	0.0000	1.914	3.054	59.76	
SNB-WL-H1S	0.06735	0.001282	-0.2429	0.0000	0.0000	0.0000	2.028	-3.394	39.76	
SNB-WL-H2S	0.06971	-1.904e-005	-0.2536	0.0000	0.0000	0.0000	-3.851	-1.904e-005	39.75	
SNB-WL-H3S	0.06734	-0.001297	-0.2429	0.0000	0.0000	0.0000	2.028	3.394	39.76	
SNB-WL-I1S	0.01742	0.001421	-0.1859	0.0000	0.0000	0.0000	2.174	-3.735	19.81	
SNB-WL-I2S	0.02004	-5.355e-006	-0.2076	0.0000	0.0000	0.0000	-4.294	-5.355e-006	19.79	
SNB-WL-I3S	0.01741	-0.001422	-0.1859	0.0000	0.0000	0.0000	2.174	3.735	19.81	
RohnAa1	1.246	-0.0007249	-0.05394	0.0011	0.6812	-0.0233	-1.019	-3.924	174.9	
RohnAa2	1.242	-0.003066	-0.05384	-0.0036	0.6894	0.0237	-1.023	3.92	174.9	
RohnAb1	1.188	-7.003e-005	-0.05062	-0.0001	0.6935	-0.0237	-1.176	-4.094	169.9	
RohnAb2	1.182	-0.003806	-0.05049	0.0031	0.6893	0.0235	-1.181	4.09	169.9	

RohnAc1	1.126	-0.0003041	-0.0473	0.0058	0.6899	-0.0237	-1.336	-4.265	165
RohnAc2	1.122	-0.003055	-0.04718	-0.0005	0.6810	0.0233	-1.34	4.261	165
RohnBa1	1.007	0.0001184	-0.04101	-0.0011	0.6705	-0.0228	-1.652	-4.605	155
RohnBa2	1.003	-0.002963	-0.04089	0.0041	0.6665	0.0226	-1.656	4.603	155
RohnBb1	0.9491	0.0006977	-0.03798	0.0004	0.6813	-0.0233	-1.808	-4.775	150
RohnBb2	0.9459	-0.003279	-0.03787	0.0028	0.6772	0.0230	-1.812	4.773	150
RohnBc1	0.8886	0.0005538	-0.03492	0.0075	0.6669	-0.0230	-1.967	-4.946	145
RohnBc2	0.8857	-0.002885	-0.03481	-0.0055	0.6649	0.0229	-1.97	4.944	145
RohnCa1	0.7583	0.000629	-0.02847	-0.0087	0.6540	-0.0221	-2.327	-5.343	133.3
RohnCa2	0.756	-0.002514	-0.02837	0.0110	0.6511	0.0219	-2.329	5.342	133.3
RohnCb1	0.6834	0.001294	-0.02483	0.0167	0.6168	-0.0216	-2.533	-5.57	126.6
RohnCb2	0.6812	-0.002984	-0.02475	-0.0153	0.6157	0.0216	-2.535	5.568	126.6
RohnDa1	0.5465	0.001473	-0.0191	-0.0063	0.5725	-0.0194	-2.932	-6.023	113.3
RohnDa2	0.5446	-0.002901	-0.01903	0.0073	0.5716	0.0194	-2.934	6.022	113.3
RohnDb1	0.4826	0.00234	-0.01682	0.0090	0.5174	-0.0180	-3.127	-6.25	106.6
RohnDb2	0.4809	-0.003631	-0.01676	-0.0078	0.5161	0.0180	-3.129	6.248	106.6
RohnEa1	0.3701	0.002776	-0.01299	-0.0157	0.4649	-0.0156	-3.501	-6.703	93.33
RohnEa2	0.3686	-0.003852	-0.01293	0.0166	0.4639	0.0155	-3.503	6.702	93.33
RohnEb1	0.3186	0.001494	-0.01096	0.0194	0.4092	-0.0146	-3.684	-6.932	86.65
RohnEb2	0.3172	-0.002467	-0.01091	-0.0186	0.4083	0.0145	-3.686	6.931	86.65
RohnFa1	0.2045	0.001578	-0.007427	0.0102	0.3302	-0.0116	-4.126	-7.5	69.99
RohnFa2	0.2034	-0.002314	-0.007391	-0.0094	0.3291	0.0115	-4.127	7.499	69.99
RohnGa1	0.1053	0.0007203	-0.004573	0.0019	0.2396	-0.0083	-4.619	-8.181	50
RohnGa2	0.1045	-0.001205	-0.004552	-0.0012	0.2386	0.0083	-4.619	8.181	50
RohnHa1	0.03827	0.002303	-0.002546	-0.0155	0.1501	-0.0049	-5.079	-8.862	30
RohnHa2	0.03782	-0.002572	-0.002534	0.0160	0.1492	0.0048	-5.08	8.862	30
RohnIa1	0.007006	0.005517	-0.001239	-0.0291	0.0709	-0.0019	-5.505	-9.542	9.999
RohnIa2	0.006865	-0.005599	-0.001236	0.0298	0.0698	0.0019	-5.506	9.542	9.999
SNB-Aa1	1.244	-0.000154	-0.06259	0.0039	0.6861	-0.0236	-0.02112	-2.191	174.9
SNB-Aa2	1.244	-0.001073	-0.06255	-0.0024	0.6873	0.0236	-0.02119	2.19	174.9
SNB-Ab1	1.184	0.0007607	-0.05917	-0.0013	0.6917	-0.0236	-0.179	-2.361	169.9
SNB-Ab2	1.184	-0.001865	-0.05913	0.0020	0.6914	0.0236	-0.1793	2.36	169.9
SNB-Ac1	1.124	0.0001232	-0.05572	0.0028	0.6842	-0.0235	-0.3384	-2.532	164.9
SNB-Ac2	1.123	-0.001217	-0.05568	-0.0023	0.6837	0.0235	-0.3385	2.531	164.9
SNB-Ba1	1.005	0.0003411	-0.04909	0.0038	0.6788	-0.0234	-0.6541	-2.873	155
SNB-Ba2	1.005	-0.001258	-0.04905	-0.0030	0.6785	0.0233	-0.6542	2.872	155
SNB-Bb1	0.9464	0.001362	-0.04589	-0.0048	0.6717	-0.0228	-0.8109	-3.042	150
SNB-Bb2	0.9462	-0.002203	-0.04584	0.0056	0.6718	0.0228	-0.811	3.041	150
SNB-Bc1	0.8877	0.0001608	-0.04265	0.0017	0.6604	-0.0227	-0.968	-3.214	145
SNB-Bc2	0.8875	-0.000929	-0.04261	-0.0008	0.6604	0.0226	-0.9681	3.213	145
SNB-Ca1	0.7555	0.001312	-0.03579	-0.0145	0.6476	-0.0217	-1.33	-3.61	133.3
SNB-Ca2	0.7554	-0.001925	-0.03574	0.0152	0.6476	0.0217	-1.33	3.609	133.3
SNB-Cb1	0.6821	0.001129	-0.03198	0.0116	0.6062	-0.0211	-1.534	-3.838	126.6
SNB-Cb2	0.682	-0.001653	-0.03194	-0.0109	0.6063	0.0211	-1.535	3.837	126.6
SNB-Da1	0.5446	0.001658	-0.02578	-0.0065	0.5712	-0.0194	-1.934	-4.291	113.3
SNB-Da2	0.5445	-0.002046	-0.02574	0.0071	0.5712	0.0194	-1.934	4.291	113.3
SNB-Db1	0.4814	0.002126	-0.0231	0.0078	0.5160	-0.0179	-2.128	-4.518	106.6
SNB-Db2	0.4813	-0.002455	-0.02307	-0.0073	0.5159	0.0179	-2.128	4.518	106.6
SNB-Ea1	0.3693	0.002362	-0.01839	-0.0166	0.4631	-0.0154	-2.502	-4.971	93.32
SNB-Ea2	0.3692	-0.002599	-0.01837	0.0169	0.4630	0.0154	-2.502	4.971	93.32
SNB-Eb1	0.3175	0.001187	-0.01575	0.0177	0.4105	-0.0146	-2.685	-5.2	86.64
SNB-Eb2	0.3175	-0.001385	-0.01572	-0.0174	0.4104	0.0146	-2.686	5.2	86.64
SNB-Fa1	0.2041	0.0009282	-0.01073	0.0115	0.3300	-0.0116	-3.127	-5.768	69.99
SNB-Fa2	0.204	-0.00105	-0.01071	-0.0113	0.3299	0.0116	-3.127	5.768	69.99
SNB-Ga1	0.1041	0.0004756	-0.006349	0.0038	0.2364	-0.0083	-3.62	-6.45	49.99
SNB-Ga2	0.1041	-0.0005352	-0.006336	-0.0037	0.2363	0.0083	-3.62	6.45	49.99
SNB-Ha1	0.03742	0.00189	-0.003308	-0.0149	0.1506	-0.0049	-4.08	-7.129	30
SNB-Ha2	0.03741	-0.001912	-0.003301	0.0149	0.1505	0.0049	-4.08	7.129	30
SNB-Ia1	0.005735	0.005348	-0.001448	-0.0276	0.0663	-0.0018	-4.505	-7.807	9.999
SNB-Ia2	0.00573	-0.005352	-0.001446	0.0276	0.0663	0.0018	-4.505	7.807	9.999

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

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Force (kips)	Comp. Uplift Usage %	Result. Usage %	Result. Force (kips)	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %

RohnJP	-11.46	0.0	-0.09	0.0	302.83	0.0	0.0	303.05	0.0	0.06	0.0	0.3	0.0	0.00	0.0	0.0
SNB-JP	-12.71	0.0	-0.01	0.0	361.65	0.0	0.0	361.87	0.0	0.01	0.0	-1.0	0.0	0.00	0.0	0.0
RohnJ1	-11.86	0.0	-16.88	0.0	-122.12	0.0	0.0	123.85	0.0	4.68	0.0	-3.5	0.0	0.03	0.0	0.0
RohnJ2	-11.70	0.0	16.97	0.0	-122.24	0.0	0.0	123.97	0.0	-4.73	0.0	-3.4	0.0	-0.02	0.0	0.0
SNB-J1	-23.00	0.0	-33.76	0.0	-151.80	0.0	0.0	157.20	0.0	9.48	0.0	-4.9	0.0	-0.02	0.0	0.0
SNB-J2	-22.98	0.0	33.77	0.0	-151.90	0.0	0.0	157.29	0.0	-9.49	0.0	-4.9	0.0	0.02	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	1.3958	0.0000	-0.5168	-1.3958	-0.0000	0.5168	1.3012	0.0018	-0.1343
RohnBP	1.5157	0.0000	-0.7107	-1.5157	0.0000	0.7107	1.0607	0.0017	-0.1325
RohnCP	0.7709	0.0000	-0.5960	-0.7709	-0.0000	0.5960	0.8264	0.0012	-0.1280
RohnDP	1.4234	0.0000	-1.5259	-1.4234	-0.0000	1.5259	0.6075	0.0010	-0.1208
RohnEP	0.6395	0.0000	-0.8302	-0.6395	-0.0000	0.8302	0.4188	0.0008	-0.1054
RohnFP	0.7990	0.0000	-1.1116	-0.7990	-0.0000	1.1116	0.2642	0.0007	-0.0891
RohnGP	0.7665	0.0000	-1.3426	-0.7665	-0.0000	1.3426	0.1448	0.0005	-0.0674
RohnHP	0.7233	0.0000	-1.4805	-0.7233	-0.0000	1.4805	0.0613	0.0003	-0.0469
RohnIP	0.7946	0.0000	-1.7490	-0.7946	-0.0000	1.7490	0.0128	0.0002	-0.0226
RohnJP	0.4229	0.0000	-0.9701	11.0357	0.0889	-301.8621	0.0000	0.0000	0.0000
SNB-AP	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.3022	-0.0006	-0.1082
SNB-BP	0.3837	0.0000	-0.3359	-0.3837	0.0000	0.3359	1.0616	-0.0004	-0.1076
SNB-CP	0.5333	0.0000	-0.5256	-0.5333	0.0000	0.5256	0.8273	-0.0002	-0.1053
SNB-DP	0.6276	0.0000	-0.6860	-0.6276	-0.0000	0.6860	0.6084	-0.0001	-0.0995
SNB-EP	0.6395	0.0000	-0.8302	-0.6395	0.0000	0.8302	0.4196	-0.0001	-0.0874
SNB-FP	0.7153	0.0000	-1.0901	-0.7153	-0.0000	1.0901	0.2650	-0.0000	-0.0759
SNB-GP	0.7665	0.0000	-1.3426	-0.7665	0.0000	1.3426	0.1456	-0.0000	-0.0600
SNB-HP	0.7233	0.0000	-1.4805	-0.7233	-0.0000	1.4805	0.0621	0.0000	-0.0426
SNB-IP	0.7714	0.0000	-1.7290	-0.7714	0.0000	1.7290	0.0135	0.0000	-0.0215
SNB-JP	0.4229	0.0000	-0.9701	12.2903	0.0127	-360.6815	0.0000	0.0000	0.0000
RohnA1	1.5751	0.0000	-0.5676	-1.5751	0.0000	0.5676	1.3076	0.0000	-0.0575
RohnA2	1.8225	0.0000	-0.7497	-1.8225	-0.0000	0.7497	1.3034	-0.0036	-0.0574
RohnB1	0.6769	0.0000	-0.4807	-0.6769	0.0000	0.4807	1.0670	0.0007	-0.0442
RohnB2	0.6586	0.0000	-0.4207	-0.6586	-0.0000	0.4207	1.0632	-0.0038	-0.0441
RohnC1	0.8833	0.0000	-0.9160	-0.8833	0.0000	0.9160	0.8333	0.0018	-0.0322
RohnC2	0.7709	0.0000	-0.5960	-0.7709	-0.0000	0.5960	0.8306	-0.0040	-0.0321
RohnD1	1.4234	0.0000	-1.5259	-1.4234	0.0000	1.5259	0.6144	0.0030	-0.0217
RohnD2	1.4234	0.0000	-1.5259	-1.4234	-0.0000	1.5259	0.6124	-0.0045	-0.0216
RohnE1	0.6395	0.0000	-0.8302	-0.6395	0.0000	0.8302	0.4253	0.0029	-0.0151
RohnE2	0.6395	0.0000	-0.8302	-0.6395	-0.0000	0.8302	0.4236	-0.0041	-0.0150
RohnF1	0.8948	0.0000	-1.1611	-0.8948	0.0000	1.1611	0.2729	0.0054	-0.0096
RohnF2	0.7990	0.0000	-1.1116	-0.7990	-0.0000	1.1116	0.2716	-0.0063	-0.0095
RohnG1	0.7941	0.0000	-1.3626	-0.7941	0.0000	1.3626	0.1558	0.0071	-0.0067
RohnG2	0.7941	0.0000	-1.3626	-0.7941	-0.0000	1.3626	0.1548	-0.0077	-0.0066
RohnH1	0.7233	0.0000	-1.4805	-0.7233	0.0000	1.4805	0.0721	0.0074	-0.0036
RohnH2	0.7233	0.0000	-1.4805	-0.7233	-0.0000	1.4805	0.0715	-0.0077	-0.0036
RohnI1	0.7714	0.0000	-1.7290	-0.7714	0.0000	1.7290	0.0213	0.0056	-0.0023
RohnI2	0.7714	0.0000	-1.7290	-0.7714	0.0000	1.7290	0.0210	-0.0057	-0.0023
RohnJ1	0.4229	0.0000	-0.9701	11.4363	16.8776	123.0885	0.0000	0.0000	0.0000
RohnJ2	0.4229	0.0000	-0.9701	11.2801	-16.9703	123.2091	0.0000	0.0000	0.0000
SNB-A1	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.3050	0.0006	-0.0661
SNB-A2	0.1621	0.0000	-0.1352	-0.1621	0.0000	0.1352	1.3048	-0.0019	-0.0661
SNB-B1	0.3837	0.0000	-0.3359	-0.3837	-0.0000	0.3359	1.0648	0.0011	-0.0525
SNB-B2	0.3837	0.0000	-0.3359	-0.3837	0.0000	0.3359	1.0646	-0.0020	-0.0524
SNB-C1	0.5333	0.0000	-0.5256	-0.5333	-0.0000	0.5256	0.8312	0.0021	-0.0397
SNB-C2	0.5333	0.0000	-0.5256	-0.5333	0.0000	0.5256	0.8311	-0.0028	-0.0396
SNB-D1	0.6276	0.0000	-0.6860	-0.6276	-0.0000	0.6860	0.6132	0.0027	-0.0288
SNB-D2	0.6276	0.0000	-0.6860	-0.6276	0.0000	0.6860	0.6131	-0.0032	-0.0287
SNB-E1	0.6395	0.0000	-0.8302	-0.6395	-0.0000	0.8302	0.4238	0.0029	-0.0210
SNB-E2	0.6395	0.0000	-0.8302	-0.6395	0.0000	0.8302	0.4237	-0.0031	-0.0210
SNB-F1	0.7153	0.0000	-1.0901	-0.7153	-0.0000	1.0901	0.2722	0.0049	-0.0139

SNB-F2	0.7153	0.0000	-1.0901	-0.7153	0.0000	1.0901	0.2722	-0.0050	-0.0139
SNB-G1	0.7665	0.0000	-1.3426	-0.7665	-0.0000	1.3426	0.1550	0.0067	-0.0089
SNB-G2	0.7665	0.0000	-1.3426	-0.7665	0.0000	1.3426	0.1549	-0.0068	-0.0089
SNB-H1	0.7233	0.0000	-1.4805	-0.7233	-0.0000	1.4805	0.0715	0.0068	-0.0048
SNB-H2	0.7233	0.0000	-1.4805	-0.7233	0.0000	1.4805	0.0715	-0.0069	-0.0048
SNB-I1	0.7714	0.0000	-1.7290	-0.7714	-0.0000	1.7290	0.0204	0.0052	-0.0024
SNB-I2	0.7714	0.0000	-1.7290	-0.7714	-0.0000	1.7290	0.0204	-0.0052	-0.0024
SNB-J1	0.4229	0.0000	-0.9701	22.5730	33.7625	152.7711	0.0000	0.0000	0.0000
SNB-J2	0.4229	0.0000	-0.9701	22.5547	-33.7713	152.8675	0.0000	0.0000	0.0000
RohnAaS	1.2621	0.0000	-0.3652	-1.2621	0.0000	0.3652	1.2423	0.0021	-0.1342
RohnAbS	0.2140	0.0000	-0.1602	-0.2140	-0.0000	0.1602	1.1806	0.0019	-0.1339
RohnAcS	0.1805	0.0000	-0.1552	-0.1805	-0.0000	0.1552	1.1217	0.0021	-0.1333
RohnBaS	0.2216	0.0000	-0.2007	-0.2216	-0.0000	0.2007	1.0025	0.0016	-0.1317
RohnBbS	1.8803	0.0000	-1.1757	-1.8803	0.0000	1.1757	0.9424	0.0014	-0.1308
RohnBcS	0.3599	0.0000	-0.4457	-0.3599	-0.0000	0.4457	0.8853	0.0013	-0.1296
RohnCaS	2.3123	0.0000	-1.2307	-2.3123	0.0000	1.2307	0.7528	0.0011	-0.1261
RohnCbS	0.3117	0.0000	-0.3250	-0.3117	0.0000	0.3250	0.6800	0.0010	-0.1237
RohnDaS	0.4448	0.0000	-0.6061	-0.4448	-0.0000	0.6061	0.5429	0.0009	-0.1164
RohnDbS	0.3159	0.0000	-0.3611	-0.3159	-0.0000	0.3611	0.4789	0.0009	-0.1111
RohnEaS	0.3236	0.0000	-0.4692	-0.3236	-0.0000	0.4692	0.3655	0.0008	-0.1004
RohnEbS	0.3695	0.0000	-0.5442	-0.3695	-0.0000	0.5442	0.3158	0.0007	-0.0948
RohnFaS	0.3917	0.0000	-0.6209	-0.3917	-0.0000	0.6209	0.2078	0.0006	-0.0786
RohnGaS	0.3749	0.0000	-0.7217	-0.3749	-0.0000	0.7217	0.1078	0.0004	-0.0574
RohnHaS	0.3485	0.0000	-0.7589	-0.3485	-0.0000	0.7589	0.0395	0.0003	-0.0350
RohnIaS	0.4229	0.0000	-0.9701	-0.4229	-0.0000	0.9701	0.0017	0.0001	-0.0118
SNB-AaS	0.1621	0.0000	-0.1352	-0.1621	0.0000	0.1352	1.2432	-0.0004	-0.1082
SNB-AbS	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.1816	-0.0005	-0.1081
SNB-AcS	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.1226	-0.0004	-0.1079
SNB-BaS	0.2216	0.0000	-0.2007	-0.2216	-0.0000	0.2007	1.0034	-0.0003	-0.1072
SNB-BbS	0.2216	0.0000	-0.2007	-0.2216	0.0000	0.2007	0.9434	-0.0003	-0.1068
SNB-BcS	0.2216	0.0000	-0.2007	-0.2216	-0.0000	0.2007	0.8862	-0.0003	-0.1060
SNB-CaS	0.3117	0.0000	-0.3250	-0.3117	0.0000	0.3250	0.7538	-0.0002	-0.1039
SNB-CbS	0.3117	0.0000	-0.3250	-0.3117	0.0000	0.3250	0.6809	-0.0002	-0.1018
SNB-DaS	0.3159	0.0000	-0.3611	-0.3159	0.0000	0.3611	0.5438	-0.0001	-0.0962
SNB-DbS	0.3159	0.0000	-0.3611	-0.3159	0.0000	0.3611	0.4798	-0.0001	-0.0921
SNB-EaS	0.3236	0.0000	-0.4692	-0.3236	-0.0000	0.4692	0.3663	-0.0001	-0.0841
SNB-EbS	0.3236	0.0000	-0.4692	-0.3236	0.0000	0.4692	0.3166	-0.0000	-0.0800
SNB-FaS	0.3917	0.0000	-0.6209	-0.3917	-0.0000	0.6209	0.2086	-0.0000	-0.0681
SNB-GaS	0.3749	0.0000	-0.7217	-0.3749	-0.0000	0.7217	0.1086	0.0000	-0.0515
SNB-HaS	0.3485	0.0000	-0.7589	-0.3485	-0.0000	0.7589	0.0403	0.0000	-0.0324
SNB-IaS	0.4229	0.0000	-0.9701	-0.4229	-0.0000	0.9701	0.0025	0.0000	-0.0116
SNB-WL-A1S	0.1621	0.0000	-0.1352	-0.1621	0.0000	0.1352	1.3031	-0.0002	-0.1379
SNB-WL-A2S	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.3040	-0.0007	-0.1116
SNB-WL-A3S	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.3030	-0.0010	-0.1369
SNB-WL-B1S	0.1621	0.0000	-0.1352	-0.1621	0.0000	0.1352	1.0627	0.0001	-0.1379
SNB-WL-B2S	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.0638	-0.0005	-0.1080
SNB-WL-B3S	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.0626	-0.0010	-0.1367
SNB-WL-C1S	0.2216	0.0000	-0.2007	-0.2216	0.0000	0.2007	0.8287	0.0004	-0.1503
SNB-WL-C2S	0.2216	0.0000	-0.2007	-0.2216	-0.0000	0.2007	0.8299	-0.0003	-0.1301
SNB-WL-C3S	0.2216	0.0000	-0.2007	-0.2216	-0.0000	0.2007	0.8287	-0.0009	-0.1499
SNB-WL-D1S	0.3117	0.0000	-0.3250	-0.3117	0.0000	0.3250	0.6102	0.0006	-0.1657
SNB-WL-D2S	0.3117	0.0000	-0.3250	-0.3117	-0.0000	0.3250	0.6117	-0.0002	-0.1415
SNB-WL-D3S	0.3117	0.0000	-0.3250	-0.3117	-0.0000	0.3250	0.6101	-0.0009	-0.1658
SNB-WL-E1S	0.3159	0.0000	-0.3611	-0.3159	0.0000	0.3611	0.4213	0.0008	-0.1429
SNB-WL-E2S	0.3159	0.0000	-0.3611	-0.3159	-0.0000	0.3611	0.4230	-0.0001	-0.1337
SNB-WL-E3S	0.3159	0.0000	-0.3611	-0.3159	-0.0000	0.3611	0.4213	-0.0010	-0.1430
SNB-WL-F1S	0.3236	0.0000	-0.4692	-0.3236	0.0000	0.4692	0.2684	0.0010	-0.2055
SNB-WL-F2S	0.3236	0.0000	-0.4692	-0.3236	-0.0000	0.4692	0.2703	-0.0001	-0.1960
SNB-WL-F3S	0.3236	0.0000	-0.4692	-0.3236	-0.0000	0.4692	0.2684	-0.0011	-0.2054
SNB-WL-G1S	0.3917	0.0000	-0.6209	-0.3917	0.0000	0.6209	0.1505	0.0011	-0.2448
SNB-WL-G2S	0.3917	0.0000	-0.6209	-0.3917	-0.0000	0.6209	0.1527	-0.0000	-0.2466
SNB-WL-G3S	0.3917	0.0000	-0.6209	-0.3917	-0.0000	0.6209	0.1505	-0.0012	-0.2448
SNB-WL-H1S	0.3749	0.0000	-0.7217	-0.3749	0.0000	0.7217	0.0674	0.0013	-0.2429
SNB-WL-H2S	0.3749	0.0000	-0.7217	-0.3749	-0.0000	0.7217	0.0697	-0.0000	-0.2536
SNB-WL-H3S	0.3749	0.0000	-0.7217	-0.3749	-0.0000	0.7217	0.0673	-0.0013	-0.2429
SNB-WL-I1S	0.3485	0.0000	-0.7589	-0.3485	0.0000	0.7589	0.0174	0.0014	-0.1859

SNB-WL-I2S	0.3485	0.0000	-0.7589	-0.3485	-0.0000	0.7589	0.0200	-0.0000	-0.2076
SNB-WL-I3S	0.3485	0.0000	-0.7589	-0.3485	-0.0000	0.7589	0.0174	-0.0014	-0.1859
RohnAa1	0.4068	0.0000	-0.2050	-0.4068	0.0000	0.2050	1.2465	-0.0007	-0.0539
RohnAa2	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.2420	-0.0031	-0.0538
RohnAb1	1.2382	0.0000	-0.3552	-1.2382	0.0000	0.3552	1.1875	-0.0001	-0.0506
RohnAb2	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.1825	-0.0038	-0.0505
RohnAc1	0.1621	0.0000	-0.1352	-0.1621	0.0000	0.1352	1.1259	-0.0003	-0.0473
RohnAc2	0.4755	0.0000	-0.2277	-0.4755	-0.0000	0.2277	1.1219	-0.0031	-0.0472
RohnBa1	0.2216	0.0000	-0.2007	-0.2216	0.0000	0.2007	1.0067	0.0001	-0.0410
RohnBa2	0.2216	0.0000	-0.2007	-0.2216	-0.0000	0.2007	1.0033	-0.0030	-0.0409
RohnBb1	1.8349	0.0000	-1.1557	-1.8349	0.0000	1.1557	0.9491	0.0007	-0.0380
RohnBb2	1.8349	0.0000	-1.1557	-1.8349	-0.0000	1.1557	0.9459	-0.0033	-0.0379
RohnBc1	0.2216	0.0000	-0.2007	-0.2216	0.0000	0.2007	0.8886	0.0006	-0.0349
RohnBc2	0.2216	0.0000	-0.2007	-0.2216	-0.0000	0.2007	0.8857	-0.0029	-0.0348
RohnCa1	2.3123	0.0000	-1.2307	-2.3123	0.0000	1.2307	0.7583	0.0006	-0.0285
RohnCa2	2.5114	0.0000	-1.3037	-2.5113	-0.0000	1.3037	0.7560	-0.0025	-0.0284
RohnCb1	0.3117	0.0000	-0.3250	-0.3117	0.0000	0.3250	0.6834	0.0013	-0.0248
RohnCb2	0.3117	0.0000	-0.3250	-0.3117	-0.0000	0.3250	0.6812	-0.0030	-0.0247
RohnDa1	0.3159	0.0000	-0.3611	-0.3159	0.0000	0.3611	0.5465	0.0015	-0.0191
RohnDa2	0.3159	0.0000	-0.3611	-0.3159	-0.0000	0.3611	0.5446	-0.0029	-0.0190
RohnDb1	0.3159	0.0000	-0.3611	-0.3159	0.0000	0.3611	0.4826	0.0023	-0.0168
RohnDb2	0.3159	0.0000	-0.3611	-0.3159	-0.0000	0.3611	0.4809	-0.0036	-0.0168
RohnEa1	0.3236	0.0000	-0.4692	-0.3236	0.0000	0.4692	0.3701	0.0028	-0.0130
RohnEa2	0.3236	0.0000	-0.4692	-0.3236	-0.0000	0.4692	0.3686	-0.0039	-0.0129
RohnEb1	0.3236	0.0000	-0.4692	-0.3236	0.0000	0.4692	0.3186	0.0015	-0.0110
RohnEb2	0.3236	0.0000	-0.4692	-0.3236	-0.0000	0.4692	0.3172	-0.0025	-0.0109
RohnFa1	0.3917	0.0000	-0.6209	-0.3917	0.0000	0.6209	0.2045	0.0016	-0.0074
RohnFa2	0.3917	0.0000	-0.6209	-0.3917	-0.0000	0.6209	0.2034	-0.0023	-0.0074
RohnGa1	0.3749	0.0000	-0.7217	-0.3749	0.0000	0.7217	0.1053	0.0007	-0.0046
RohnGa2	0.3749	0.0000	-0.7217	-0.3749	-0.0000	0.7217	0.1045	-0.0012	-0.0046
RohnHa1	0.3485	0.0000	-0.7589	-0.3485	-0.0000	0.7589	0.0383	0.0023	-0.0025
RohnHa2	0.3485	0.0000	-0.7589	-0.3485	0.0000	0.7589	0.0378	-0.0026	-0.0025
RohnIa1	0.4229	0.0000	-0.9701	-0.4229	0.0000	0.9701	0.0070	0.0055	-0.0012
RohnIa2	0.4229	0.0000	-0.9701	-0.4229	-0.0000	0.9701	0.0069	-0.0056	-0.0012
SNB-Aa1	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.2439	-0.0002	-0.0626
SNB-Aa2	0.1621	0.0000	-0.1352	-0.1621	0.0000	0.1352	1.2438	-0.0011	-0.0626
SNB-Ab1	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.1845	0.0008	-0.0592
SNB-Ab2	0.1621	0.0000	-0.1352	-0.1621	0.0000	0.1352	1.1842	-0.0019	-0.0591
SNB-Ac1	0.1621	0.0000	-0.1352	-0.1621	-0.0000	0.1352	1.1236	0.0001	-0.0557
SNB-Ac2	0.1621	0.0000	-0.1352	-0.1621	0.0000	0.1352	1.1235	-0.0012	-0.0557
SNB-Ba1	0.2216	0.0000	-0.2007	-0.2216	-0.0000	0.2007	1.0048	0.0003	-0.0491
SNB-Ba2	0.2216	0.0000	-0.2007	-0.2216	0.0000	0.2007	1.0046	-0.0013	-0.0490
SNB-Bb1	0.2216	0.0000	-0.2007	-0.2216	-0.0000	0.2007	0.9464	0.0014	-0.0459
SNB-Bb2	0.2216	0.0000	-0.2007	-0.2216	0.0000	0.2007	0.9462	-0.0022	-0.0458
SNB-Bc1	0.2216	0.0000	-0.2007	-0.2216	-0.0000	0.2007	0.8877	0.0002	-0.0427
SNB-Bc2	0.2216	0.0000	-0.2007	-0.2216	0.0000	0.2007	0.8875	-0.0009	-0.0426
SNB-Ca1	0.3117	0.0000	-0.3250	-0.3117	-0.0000	0.3250	0.7555	0.0013	-0.0358
SNB-Ca2	0.3117	0.0000	-0.3250	-0.3117	0.0000	0.3250	0.7554	-0.0019	-0.0357
SNB-Cb1	0.3117	0.0000	-0.3250	-0.3117	-0.0000	0.3250	0.6821	0.0011	-0.0320
SNB-Cb2	0.3117	0.0000	-0.3250	-0.3117	0.0000	0.3250	0.6820	-0.0017	-0.0319
SNB-Da1	0.3159	0.0000	-0.3611	-0.3159	-0.0000	0.3611	0.5446	0.0017	-0.0258
SNB-Da2	0.3159	0.0000	-0.3611	-0.3159	0.0000	0.3611	0.5445	-0.0020	-0.0257
SNB-Db1	0.3159	0.0000	-0.3611	-0.3159	-0.0000	0.3611	0.4814	0.0021	-0.0231
SNB-Db2	0.3159	0.0000	-0.3611	-0.3159	0.0000	0.3611	0.4813	-0.0025	-0.0231
SNB-Ea1	0.3236	0.0000	-0.4692	-0.3236	-0.0000	0.4692	0.3693	0.0024	-0.0184
SNB-Ea2	0.3236	0.0000	-0.4692	-0.3236	0.0000	0.4692	0.3692	-0.0026	-0.0184
SNB-Eb1	0.3236	0.0000	-0.4692	-0.3236	-0.0000	0.4692	0.3175	0.0012	-0.0157
SNB-Eb2	0.3236	0.0000	-0.4692	-0.3236	0.0000	0.4692	0.3175	-0.0014	-0.0157
SNB-Fa1	0.3917	0.0000	-0.6209	-0.3917	-0.0000	0.6209	0.2041	0.0009	-0.0107
SNB-Fa2	0.3917	0.0000	-0.6209	-0.3917	0.0000	0.6209	0.2040	-0.0010	-0.0107
SNB-Ga1	0.3749	0.0000	-0.7217	-0.3749	-0.0000	0.7217	0.1041	0.0005	-0.0063
SNB-Ga2	0.3749	0.0000	-0.7217	-0.3749	0.0000	0.7217	0.1041	-0.0005	-0.0063
SNB-Ha1	0.3485	0.0000	-0.7589	-0.3485	-0.0000	0.7589	0.0374	0.0019	-0.0033
SNB-Ha2	0.3485	0.0000	-0.7589	-0.3485	0.0000	0.7589	0.0374	-0.0019	-0.0033
SNB-Ia1	0.4229	0.0000	-0.9701	-0.4229	-0.0000	0.9701	0.0057	0.0053	-0.0014
SNB-Ia2	0.4229	0.0000	-0.9701	-0.4229	-0.0000	0.9701	0.0057	-0.0054	-0.0014

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	0.00	-0.00	0.00	27.75	-175.09	5.55	-35.01
Rohn-LA11	-0.00	0.00	0.00	-83.73	148.65	-16.74	29.72
Rohn-LA12	0.00	-0.00	0.00	88.15	116.98	17.62	23.39
Rohn-LA2P	-0.00	-27.75	175.09	-32.27	220.29	-12.00	79.05
Rohn-LA21	-0.01	83.74	-148.65	89.77	-212.32	34.69	-72.17
Rohn-LA22	-0.00	-88.16	-116.98	-122.59	-116.57	-42.13	-46.69
Rohn-LA3P	0.00	32.27	-220.29	39.46	-220.30	14.34	-88.10
Rohn-LA31	0.01	-89.77	212.33	-120.25	231.35	-41.98	88.70
Rohn-LA32	0.00	122.59	116.57	140.96	159.58	52.69	55.21
Rohn-LA4P	-0.01	-39.46	220.30	-30.69	302.47	-14.03	104.53
Rohn-LA41	0.01	120.25	-231.34	170.68	-232.60	58.16	-92.75
Rohn-LA42	-0.00	-140.96	-159.58	-176.74	-195.22	-63.51	-70.93
Rohn-LB1P	-0.00	30.69	-302.47	13.33	-374.86	8.80	-135.43
Rohn-LB11	-0.02	-170.68	232.61	-202.39	454.29	-74.58	137.32
Rohn-LB12	0.02	176.74	195.23	203.23	437.03	75.96	126.40
Rohn-LB2P	-0.00	-13.33	374.86	-6.04	476.52	-3.87	170.24
Rohn-LB21	-0.02	202.40	-454.28	185.82	-575.85	77.61	-205.93
Rohn-LB22	0.02	-203.24	-437.03	-188.71	-558.70	-78.35	-199.05
Rohn-LB3P	-0.00	6.04	-476.51	-1.06	-406.39	1.00	-176.56
Rohn-LB31	0.01	-185.81	575.86	-266.44	738.20	-90.41	262.69
Rohn-LB32	-0.01	188.69	558.71	281.83	697.80	94.06	251.18
Rohn-LB4P	0.00	1.06	406.39	-6.10	513.80	-1.01	184.02
Rohn-LB41	0.09	266.48	-738.19	356.28	-329.86	124.49	-213.50
Rohn-LB42	-0.09	-281.86	-697.79	-373.35	-282.23	-130.97	-195.90
Rohn-LC1P	0.00	6.10	-513.79	14.29	26.47	3.06	-73.16
Rohn-LC11	0.04	-356.27	329.86	-227.05	-29.51	-87.54	45.08
Rohn-LC12	-0.04	373.35	282.23	242.55	-72.43	92.43	31.49
Rohn-LC2P	0.00	-14.29	-26.46	-16.62	-235.37	-4.63	-39.19
Rohn-LC21	0.06	227.06	29.51	-166.04	604.30	9.13	94.83
Rohn-LC22	-0.07	-242.56	72.43	164.27	620.57	-11.71	103.69
Rohn-LC3P	0.01	16.62	235.37	2.17	991.39	2.82	184.20
Rohn-LC31	0.11	166.06	-604.29	490.05	-124.74	98.46	-109.40
Rohn-LC32	-0.11	-164.29	-620.57	-482.94	-143.52	-97.13	-114.66
Rohn-LD1P	0.00	-2.17	-991.39	4.42	-229.68	0.34	-183.39
Rohn-LD11	-0.03	-490.05	124.74	-449.32	382.20	-140.96	76.07
Rohn-LD12	0.03	482.94	143.52	442.95	398.30	138.93	81.30
Rohn-LD2P	-0.00	-4.42	229.68	-3.02	329.90	-1.11	83.80
Rohn-LD21	0.12	449.33	-382.19	160.22	668.29	91.19	42.80
Rohn-LD22	-0.11	-442.97	-398.29	-155.41	659.28	-89.52	39.04
Rohn-LD3P	0.00	3.02	-329.89	1.75	704.64	0.72	56.29
Rohn-LD31	-0.00	-160.19	-668.29	-61.23	51.91	-33.22	-92.48
Rohn-LD32	0.01	155.38	-659.28	60.73	53.88	32.43	-90.84
Rohn-LE1P	-0.00	-1.75	-704.64	-2.83	747.66	-0.69	6.46
Rohn-LE11	0.02	61.23	-51.91	548.72	316.63	91.52	39.72
Rohn-LE12	-0.02	-60.74	-53.88	-548.57	319.22	-91.43	39.81
Rohn-LE2P	-0.00	2.83	-747.66	7.91	-1291.45	1.61	-305.35
Rohn-LE21	-0.23	-548.72	-316.64	-1420.41	1069.58	-294.59	112.64
Rohn-LE22	0.24	548.57	-319.23	1421.85	1063.16	294.78	111.29
Rohn-LE3P	-0.00	-7.91	1291.45	-9.50	3134.05	-2.62	664.73
Rohn-LE31	0.17	1420.45	-1069.53	1848.07	-900.96	490.43	-295.66
Rohn-LE32	-0.17	-1421.89	-1063.11	-1849.04	-892.95	-490.79	-293.50
Rohn-LF1P	-0.00	9.50	-3134.05	7.21	-2543.18	1.67	-568.00
Rohn-LF11	-0.72	-1848.07	900.98	-2029.20	2561.99	-387.44	346.04
Rohn-LF12	0.73	1849.03	892.96	2030.71	2556.05	387.69	344.65
Rohn-LF2P	-0.01	-7.21	2543.18	-3.86	4467.63	-1.11	701.48
Rohn-LF21	0.87	2029.39	-2561.84	2607.63	-1602.05	463.34	-416.06
Rohn-LF22	-0.87	-2030.89	-2555.90	-2607.17	-1598.92	-463.44	-415.16
Rohn-LG1P	-0.00	3.86	-4467.62	2.96	-3637.47	0.68	-810.81
Rohn-LG11	-0.57	-2607.61	1602.08	-3138.15	3146.81	-574.18	474.56

Rohn-LG12	0.57	2607.16	1598.95	3137.90	3146.40	574.11	474.21
Rohn-LG2P	-0.00	-2.96	3637.48	-3.20	4948.55	-0.62	858.98
Rohn-LG21	0.77	3138.36	-3146.61	2886.75	-1584.87	602.08	-472.81
Rohn-LG22	-0.76	-3138.10	-3146.20	-2883.82	-1588.11	-601.76	-473.09
Rohn-LH1P	-0.00	3.20	-4948.55	1.96	-2770.88	0.52	-772.32
Rohn-LH11	-0.88	-2886.73	1584.90	-2083.23	2858.86	-496.62	444.04
Rohn-LH12	0.88	2883.80	1588.13	2082.45	2860.25	496.25	444.50
Rohn-LH2P	-0.00	-1.96	2770.88	-2.08	3564.40	-0.40	633.89
Rohn-LH21	0.25	2083.40	-2858.74	948.26	-710.31	302.93	-356.63
Rohn-LH22	-0.24	-2082.62	-2860.13	-945.93	-713.02	-302.62	-357.04
Rohn-LI1P	0.00	2.08	-3564.39	13.20	2068.32	1.53	-149.66
Rohn-LI11	-0.25	-948.26	710.30	2595.09	1522.40	164.57	223.11
Rohn-LI12	0.25	945.93	713.01	-2606.56	1543.08	-165.94	225.45
Rohn-LI2P	-0.01	-13.20	-2068.32	-57.01	-271.03	-7.02	-234.03
Rohn-LI21	-1.30	-2595.05	-1522.47	-4674.86	3545.89	-726.49	202.20
Rohn-LI22	1.30	2606.52	-1543.14	4730.99	3449.13	733.25	190.47
SNB-LA1P	0.00	-0.00	0.00	19.41	-238.33	3.88	-47.65
SNB-LA11	-0.00	0.00	0.00	-144.63	148.19	-28.91	29.63
SNB-LA12	0.00	-0.00	0.00	140.35	123.33	28.06	24.66
SNB-LA2P	0.00	-19.41	238.33	-25.24	300.13	-8.93	107.65
SNB-LA21	-0.00	144.63	-148.19	181.11	-187.45	65.12	-67.10
SNB-LA22	0.00	-140.35	-123.33	-170.99	-152.45	-62.24	-55.13
SNB-LA3P	-0.00	25.24	-300.13	23.71	-304.05	9.79	-120.80
SNB-LA31	-0.00	-181.10	187.45	-209.93	240.09	-78.18	85.47
SNB-LA32	0.00	170.98	152.46	200.76	207.04	74.32	71.87
SNB-LA4P	-0.00	-23.71	304.05	-20.53	427.62	-8.84	146.29
SNB-LA41	0.01	209.94	-240.08	284.65	-251.09	98.88	-98.19
SNB-LA42	-0.01	-200.77	-207.04	-279.29	-222.64	-95.97	-85.90
SNB-LB1P	-0.00	20.53	-427.62	15.48	-566.82	7.20	-198.83
SNB-LB11	0.01	-284.64	251.10	-489.95	372.11	-154.85	124.59
SNB-LB12	-0.01	279.28	222.64	488.26	352.97	153.45	115.07
SNB-LB2P	-0.00	-15.48	566.82	-9.72	721.27	-5.04	257.55
SNB-LB21	0.04	489.97	-372.10	641.97	-246.77	226.29	-123.72
SNB-LB22	-0.04	-488.27	-352.96	-640.03	-234.53	-225.56	-117.45
SNB-LB3P	-0.00	9.72	-721.26	7.87	-576.02	3.52	-259.39
SNB-LB31	-0.03	-641.96	246.78	-756.65	445.80	-279.60	138.46
SNB-LB32	0.03	640.02	234.54	753.16	434.98	278.51	133.85
SNB-LB4P	-0.00	-7.87	576.03	-6.68	592.15	-2.91	233.58
SNB-LB41	0.03	756.67	-445.78	517.56	-188.40	254.73	-126.78
SNB-LB42	-0.03	-753.18	-434.96	-512.07	-177.96	-252.94	-122.53
SNB-LC1P	0.00	6.68	-592.14	6.84	-12.66	2.03	-90.79
SNB-LC11	-0.02	-517.56	188.41	-123.25	163.92	-96.17	52.88
SNB-LC12	0.02	512.06	177.97	119.85	154.22	94.84	49.85
SNB-LC2P	-0.00	-6.84	12.66	-5.59	-211.60	-1.86	-29.78
SNB-LC21	0.01	123.26	-163.92	-220.47	381.99	-14.55	32.63
SNB-LC22	-0.01	-119.86	-154.22	223.09	389.66	15.45	35.23
SNB-LC3P	0.00	5.59	211.61	4.57	923.11	1.53	170.37
SNB-LC31	0.05	220.49	-381.98	399.94	-220.10	93.11	-90.35
SNB-LC32	-0.05	-223.10	-389.65	-400.67	-224.83	-93.61	-92.22
SNB-LD1P	-0.00	-4.57	-923.10	-1.72	-195.07	-0.94	-167.90
SNB-LD11	-0.06	-399.93	220.10	-304.63	690.07	-105.73	136.58
SNB-LD12	0.06	400.67	224.84	305.90	692.55	106.03	137.67
SNB-LD2P	-0.00	1.72	195.08	1.26	290.98	0.44	72.78
SNB-LD21	0.04	304.66	-690.06	11.41	447.04	47.29	-36.36
SNB-LD22	-0.04	-305.93	-692.54	-11.09	446.32	-47.43	-36.84
SNB-LD3P	-0.00	-1.26	-290.97	0.17	973.44	-0.16	102.50
SNB-LD31	0.01	-11.39	-447.04	111.98	384.70	15.09	-9.35
SNB-LD32	-0.01	11.07	-446.31	-110.69	383.31	-14.95	-9.45
SNB-LE1P	-0.00	-0.17	-973.43	-2.49	1628.15	-0.40	98.31
SNB-LE11	0.05	-111.98	-384.70	850.08	278.22	110.76	-15.98
SNB-LE12	-0.05	110.68	-383.31	-848.54	282.39	-110.73	-15.14
SNB-LE2P	-0.00	2.49	-1628.14	5.12	-2464.23	1.14	-612.69
SNB-LE21	-0.29	-850.07	-278.23	-2633.56	2458.78	-521.21	326.24
SNB-LE22	0.29	848.54	-282.40	2632.47	2452.49	520.81	324.68
SNB-LE3P	-0.00	-5.12	2464.24	-4.05	5567.61	-1.38	1206.13
SNB-LE31	0.41	2633.66	-2458.68	3228.39	-1693.30	879.63	-623.03

SNB-LE32	-0.40	-2632.57	-2452.38	-3225.16	-1687.59	-878.98	-621.23
SNB-LF1P	0.00	4.05	-5567.61	4.10	-4366.52	0.82	-993.62
SNB-LF11	-1.16	-3228.37	1693.33	-3404.19	3981.56	-662.84	567.13
SNB-LF12	1.16	3225.14	1687.61	3403.64	3976.88	662.46	566.09
SNB-LF2P	-0.00	-4.10	4366.53	-3.10	8019.60	-0.72	1238.94
SNB-LF21	1.46	3404.47	-3981.32	4645.72	-2892.99	804.47	-686.96
SNB-LF22	-1.46	-3403.92	-3976.64	-4643.92	-2888.99	-804.24	-686.10
SNB-LG1P	-0.00	3.10	-8019.60	3.63	-7850.88	0.67	-1587.40
SNB-LG11	-1.17	-4645.69	2893.05	-6735.86	7541.07	-1137.41	1042.73
SNB-LG12	1.17	4643.88	2889.04	6736.85	7537.58	1137.33	1041.98
SNB-LG2P	-0.00	-3.63	7850.88	-1.40	11405.23	-0.50	1926.16
SNB-LG21	1.65	6736.37	-7540.61	6406.37	-4068.95	1313.40	-1160.18
SNB-LG22	-1.64	-6737.36	-7537.12	-6405.22	-4066.46	-1313.38	-1159.59
SNB-LH1P	0.00	1.40	-11405.22	1.96	-6378.53	0.34	-1778.95
SNB-LH11	-1.98	-6406.33	4069.01	-4676.41	6998.89	-1107.48	1106.00
SNB-LH12	1.98	6405.18	4066.52	4677.22	6997.50	1107.45	1105.61
SNB-LH2P	-0.00	-1.96	6378.54	-1.16	8185.80	-0.31	1457.04
SNB-LH21	0.30	4676.84	-6998.61	1960.43	-2151.07	663.26	-914.32
SNB-LH22	-0.30	-4677.64	-6997.22	-1958.86	-2150.67	-663.18	-914.15
SNB-LI1P	0.00	1.16	-8185.79	3.11	3270.48	0.43	-491.66
SNB-LI11	-0.81	-1960.44	2151.06	5376.70	5027.45	341.38	717.34
SNB-LI12	0.81	1958.87	2150.66	-5376.21	5028.04	-341.49	717.36
SNB-LI2P	-0.00	-3.11	-3270.47	-5.96	964.17	-0.91	-230.72
SNB-LI21	-2.83	-5376.55	-5027.61	-9483.00	4863.45	-1484.98	-16.41
SNB-LI22	2.83	5376.06	-5028.20	9487.56	4856.81	1485.38	-17.13

*** 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	0.6021	1.049	-0.1062	-0.5447	0.2975	-0.0213	4.935	1.049	179.9
RohnBP	0.4898	0.8553	-0.1004	-0.5577	0.3087	-0.0219	5.611	0.8553	159.9
RohnCP	0.3803	0.6663	-0.09342	-0.5067	0.3085	-0.0201	6.289	0.6663	139.9
RohnDP	0.2782	0.4897	-0.08514	-0.4677	0.2698	-0.0185	6.973	0.4897	119.9
RohnEP	0.1908	0.338	-0.07289	-0.3863	0.2267	-0.0154	7.672	0.338	99.93
RohnFP	0.1182	0.2149	-0.06049	-0.3237	0.1686	-0.0128	8.386	0.2149	79.94
RohnGP	0.06214	0.1207	-0.04553	-0.2234	0.1132	-0.0089	9.117	0.1207	59.95
RohnHP	0.02375	0.05396	-0.03131	-0.1561	0.0951	-0.0063	9.865	0.05396	39.97
RohnIP	0.002504	0.01441	-0.01524	-0.0751	0.0578	-0.0031	10.63	0.01441	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.6029	1.045	-0.09236	-0.5549	0.2975	-0.0217	2.936	1.045	179.9
SNB-BP	0.4906	0.8513	-0.0873	-0.5487	0.3076	-0.0216	3.612	0.8513	159.9
SNB-CP	0.3811	0.663	-0.0814	-0.5260	0.3153	-0.0209	4.289	0.663	139.9
SNB-DP	0.279	0.4877	-0.07394	-0.4755	0.2668	-0.0187	4.974	0.4877	119.9
SNB-EP	0.1916	0.336	-0.06344	-0.3817	0.2232	-0.0151	5.673	0.336	99.94
SNB-FP	0.1189	0.214	-0.05356	-0.3191	0.1786	-0.0126	6.387	0.214	79.95
SNB-GP	0.06292	0.1198	-0.04157	-0.2270	0.0965	-0.0089	7.118	0.1198	59.96
SNB-HP	0.02453	0.05348	-0.02896	-0.1545	0.0941	-0.0063	7.866	0.05348	39.97
SNB-IP	0.003285	0.0138	-0.01459	-0.0777	0.0584	-0.0032	8.631	0.0138	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.6093	1.045	-0.03453	-0.5761	0.3352	-0.0001	-1.557	-2.708	180
RohnA2	0.6023	1.041	-0.106	-0.5398	0.3389	0.0219	-1.564	4.793	179.9
RohnB1	0.4974	0.8516	-0.01828	-0.5538	0.3225	-0.0001	-2.063	-3.583	160
RohnB2	0.4901	0.8467	-0.1002	-0.5426	0.3259	0.0217	-2.07	5.282	159.9
RohnC1	0.3882	0.665	-0.004374	-0.5125	0.2987	-0.0001	-2.566	-4.452	140
RohnC2	0.3826	0.6588	-0.09323	-0.5172	0.2816	0.0200	-2.572	5.776	139.9
RohnD1	0.2864	0.4905	0.006843	-0.4736	0.2752	-0.0000	-3.061	-5.308	120
RohnD2	0.2816	0.4831	-0.08498	-0.4661	0.2697	0.0185	-3.066	6.281	119.9
RohnE1	0.1982	0.3391	0.01069	-0.3809	0.2219	-0.0001	-3.542	-6.14	100
RohnE2	0.1945	0.3321	-0.07277	-0.3878	0.2196	0.0153	-3.546	6.811	99.93
RohnF1	0.1284	0.2194	0.01298	-0.3115	0.1816	-0.0001	-4.006	-6.941	80.01
RohnF2	0.1248	0.2082	-0.0604	-0.3063	0.1941	0.0127	-4.009	7.369	79.94
RohnG1	0.07471	0.1273	0.01039	-0.2376	0.1386	-0.0000	-4.453	-7.715	60.01
RohnG2	0.07181	0.1131	-0.04548	-0.2085	0.1353	0.0088	-4.456	7.955	59.95
RohnH1	0.0361	0.06121	0.008531	-0.1429	0.0837	-0.0000	-4.884	-8.461	40.01
RohnH2	0.03379	0.04688	-0.03127	-0.1594	0.0861	0.0063	-4.887	8.569	39.97
RohnI1	0.01186	0.01989	0.003394	-0.0501	0.0300	-0.0000	-5.303	-9.186	20
RohnI2	0.01067	0.009041	-0.01523	-0.0866	0.0347	0.0030	-5.304	9.215	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	0.6055	1.046	-0.05319	-0.5761	0.3352	-0.0001	-0.561	-0.9745	179.9
SNB-A2	0.6051	1.043	-0.0923	-0.5367	0.3336	0.0218	-0.5614	3.064	179.9
SNB-B1	0.4936	0.8528	-0.03598	-0.5558	0.3215	-0.0000	-1.067	-1.85	160
SNB-B2	0.4932	0.8494	-0.08722	-0.5394	0.3228	0.0216	-1.067	3.552	159.9
SNB-C1	0.3852	0.6657	-0.02046	-0.5082	0.2944	-0.0000	-1.569	-2.719	140
SNB-C2	0.3845	0.6608	-0.08132	-0.5352	0.2991	0.0209	-1.57	4.045	139.9
SNB-D1	0.284	0.4909	-0.0083	-0.4755	0.2753	-0.0000	-2.063	-3.575	120
SNB-D2	0.2833	0.485	-0.07386	-0.4682	0.2792	0.0187	-2.064	4.551	119.9
SNB-E1	0.1963	0.3393	-0.002103	-0.3797	0.2197	-0.0000	-2.544	-4.407	100
SNB-E2	0.1955	0.3336	-0.06338	-0.3837	0.2194	0.0151	-2.545	5.08	99.94
SNB-F1	0.1269	0.2194	0.003684	-0.3074	0.1778	-0.0000	-3.007	-5.209	80
SNB-F2	0.1259	0.2098	-0.05351	-0.3139	0.1874	0.0126	-3.008	5.638	79.95
SNB-G1	0.07349	0.1271	0.005438	-0.2481	0.1435	-0.0000	-3.454	-5.983	60.01
SNB-G2	0.07232	0.1143	-0.04154	-0.1969	0.1485	0.0089	-3.455	6.224	59.96
SNB-H1	0.03518	0.06084	0.005714	-0.1443	0.0835	-0.0000	-3.885	-6.73	40.01
SNB-H2	0.03405	0.04793	-0.02893	-0.1586	0.0868	0.0062	-3.886	6.838	39.97
SNB-I1	0.0112	0.01936	0.002932	-0.0516	0.0299	-0.0000	-4.303	-7.453	20

SNB-I2	0.01029	0.009725	-0.01458	-0.0893	0.0380	0.0032	-4.304	7.482	19.99
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	0.5752	1.001	-0.1049	-0.5578	0.3280	-0.0221	5.105	1.001	174.9
RohnAbS	0.5458	0.9514	-0.1035	-0.5630	0.3198	-0.0222	5.273	0.9514	169.9
RohnAcS	0.5189	0.903	-0.102	-0.5452	0.3230	-0.0216	5.443	0.903	164.9
RohnBaS	0.4632	0.8068	-0.09881	-0.5401	0.3174	-0.0213	5.781	0.8068	154.9
RohnBbS	0.4346	0.7602	-0.0972	-0.5484	0.3101	-0.0215	5.95	0.7602	149.9
RohnBcS	0.4087	0.7114	-0.09532	-0.5425	0.3107	-0.0213	6.121	0.7114	144.9
RohnCaS	0.3467	0.6066	-0.0909	-0.5224	0.2791	-0.0204	6.517	0.6066	133.2
RohnCbS	0.313	0.5459	-0.08804	-0.5050	0.3023	-0.0200	6.746	0.5459	126.6
RohnDaS	0.2493	0.4359	-0.08137	-0.4574	0.2456	-0.0180	7.206	0.4359	113.3
RohnDbS	0.2193	0.3842	-0.07718	-0.4196	0.2566	-0.0167	7.439	0.3842	106.6
RohnEaS	0.1665	0.2939	-0.06894	-0.3653	0.1855	-0.0144	7.91	0.2939	93.27
RohnEbS	0.1443	0.2532	-0.06464	-0.3363	0.2205	-0.0135	8.15	0.2532	86.6
RohnFaS	0.09552	0.1619	-0.05295	-0.2678	0.1675	-0.0106	8.757	0.1619	69.95
RohnGaS	0.04963	0.08326	-0.03833	-0.1916	0.1104	-0.0076	9.498	0.08326	49.96
RohnHaS	0.01752	0.02923	-0.02332	-0.1121	0.0504	-0.0044	10.25	0.02923	29.98
RohnIaS	-0.001933	0.002945	-0.007966	-0.0431	-0.0061	-0.0017	11.02	0.002945	9.992
SNB-AaS	0.576	0.9961	-0.09115	-0.5561	0.3281	-0.0220	3.106	0.9961	174.9
SNB-AbS	0.5466	0.9475	-0.08995	-0.5565	0.3198	-0.0219	3.274	0.9475	169.9
SNB-AcS	0.5197	0.8991	-0.08862	-0.5502	0.3234	-0.0218	3.444	0.8991	164.9
SNB-BaS	0.4641	0.8033	-0.0859	-0.5471	0.3177	-0.0216	3.782	0.8033	154.9
SNB-BbS	0.4355	0.7559	-0.0845	-0.5379	0.3106	-0.0212	3.95	0.7559	149.9
SNB-BcS	0.4095	0.7093	-0.08293	-0.5316	0.3091	-0.0210	4.121	0.7093	144.9
SNB-CaS	0.3475	0.6026	-0.07918	-0.5137	0.2773	-0.0201	4.518	0.6026	133.3
SNB-CbS	0.3138	0.5437	-0.07654	-0.4921	0.3037	-0.0196	4.747	0.5437	126.6
SNB-DaS	0.2501	0.4332	-0.07077	-0.4556	0.2464	-0.0179	5.207	0.4332	113.3
SNB-DbS	0.2201	0.3823	-0.06716	-0.4163	0.2576	-0.0166	5.439	0.3823	106.6
SNB-EaS	0.1673	0.2925	-0.0604	-0.3629	0.1875	-0.0142	5.91	0.2925	93.28
SNB-EbS	0.1451	0.2518	-0.05686	-0.3354	0.2179	-0.0134	6.151	0.2518	86.6
SNB-FaS	0.09631	0.1613	-0.04742	-0.2678	0.1697	-0.0106	6.758	0.1613	69.95
SNB-GaS	0.05041	0.0821	-0.03519	-0.1894	0.1150	-0.0075	7.498	0.0821	49.96
SNB-HaS	0.01831	0.02855	-0.02191	-0.1124	0.0508	-0.0044	8.253	0.02855	29.98
SNB-IaS	-0.001152	0.001994	-0.007909	-0.0398	-0.0027	-0.0016	9.02	0.001994	9.992
SNB-WL-A1S	0.6041	1.045	-0.1218	0.0000	0.0000	0.0000	1.187	0.03436	179.9
SNB-WL-A2S	0.6047	1.044	-0.1201	0.0000	0.0000	0.0000	-0.5618	1.044	179.9
SNB-WL-A3S	0.6039	1.044	-0.1407	0.0000	0.0000	0.0000	1.187	2.054	179.9
SNB-WL-B1S	0.4919	0.8512	-0.1186	0.0000	0.0000	0.0000	1.272	-0.5002	159.9
SNB-WL-B2S	0.4928	0.8506	-0.1191	0.0000	0.0000	0.0000	-1.068	0.8506	159.9
SNB-WL-B3S	0.4917	0.8501	-0.1449	0.0000	0.0000	0.0000	1.272	2.202	159.9
SNB-WL-C1S	0.3829	0.6633	-0.1372	0.0000	0.0000	0.0000	1.36	-1.029	139.9
SNB-WL-C2S	0.384	0.6625	-0.1374	0.0000	0.0000	0.0000	-1.57	0.6625	139.9
SNB-WL-C3S	0.3828	0.6619	-0.1554	0.0000	0.0000	0.0000	1.36	2.354	139.8
SNB-WL-D1S	0.2813	0.488	-0.15	0.0000	0.0000	0.0000	1.455	-1.545	119.9
SNB-WL-D2S	0.2827	0.4871	-0.1497	0.0000	0.0000	0.0000	-2.065	0.4871	119.9
SNB-WL-D3S	0.2812	0.4864	-0.1722	0.0000	0.0000	0.0000	1.455	2.519	119.8
SNB-WL-E1S	0.1937	0.3368	-0.1367	0.0000	0.0000	0.0000	1.564	-2.037	99.86
SNB-WL-E2S	0.1952	0.3358	-0.1368	0.0000	0.0000	0.0000	-2.545	0.3358	99.86
SNB-WL-E3S	0.1936	0.3349	-0.1461	0.0000	0.0000	0.0000	1.564	2.708	99.85
SNB-WL-F1S	0.1229	0.2148	-0.1994	0.0000	0.0000	0.0000	1.69	-2.499	79.8
SNB-WL-F2S	0.1248	0.2137	-0.1994	0.0000	0.0000	0.0000	-3.009	0.2137	79.8
SNB-WL-F3S	0.1229	0.2127	-0.2081	0.0000	0.0000	0.0000	1.69	2.927	79.79
SNB-WL-G1S	0.06857	0.1211	-0.2457	0.0000	0.0000	0.0000	1.832	-2.934	59.75
SNB-WL-G2S	0.07067	0.1198	-0.2457	0.0000	0.0000	0.0000	-3.457	0.1198	59.75
SNB-WL-G3S	0.06858	0.1187	-0.2447	0.0000	0.0000	0.0000	1.832	3.174	59.76
SNB-WL-H1S	0.03032	0.05516	-0.2495	0.0000	0.0000	0.0000	1.991	-3.34	39.75
SNB-WL-H2S	0.03265	0.05379	-0.2495	0.0000	0.0000	0.0000	-3.888	0.05379	39.75
SNB-WL-H3S	0.03034	0.05254	-0.2405	0.0000	0.0000	0.0000	1.991	3.448	39.76
SNB-WL-I1S	0.007428	0.01583	-0.1993	0.0000	0.0000	0.0000	2.164	-3.72	19.8
SNB-WL-I2S	0.009999	0.01433	-0.1994	0.0000	0.0000	0.0000	-4.304	0.01433	19.8
SNB-WL-I3S	0.007456	0.01292	-0.1807	0.0000	0.0000	0.0000	2.164	3.749	19.82
RohnAa1	0.5806	0.9953	-0.03006	-0.5520	0.3173	0.0001	-1.684	-2.928	175
RohnAa2	0.5732	0.9927	-0.1047	-0.5631	0.3229	0.0221	-1.692	4.916	174.9
RohnAb1	0.5534	0.9477	-0.02592	-0.5580	0.3216	0.0001	-1.81	-3.146	170
RohnAb2	0.5455	0.9431	-0.1033	-0.5529	0.3229	0.0219	-1.818	5.037	169.9

RohnAc1	0.5247	0.8985	-0.02191	-0.5492	0.3207	-0.0001	-1.937	-3.366	165
RohnAc2	0.5171	0.8957	-0.1018	-0.5532	0.3138	0.0217	-1.945	5.16	164.9
RohnBa1	0.4691	0.8032	-0.0144	-0.5413	0.3169	-0.0002	-2.19	-3.802	155
RohnBa2	0.4619	0.7999	-0.0986	-0.5401	0.3037	0.0211	-2.197	5.405	154.9
RohnBb1	0.442	0.7569	-0.01081	-0.5429	0.3194	-0.0002	-2.316	-4.019	150
RohnBb2	0.4362	0.7522	-0.097	-0.5386	0.3151	0.0213	-2.321	5.528	149.9
RohnBc1	0.4139	0.709	-0.007318	-0.5271	0.3081	-0.0001	-2.442	-4.238	145
RohnBc2	0.4073	0.7057	-0.09512	-0.5370	0.3114	0.0212	-2.449	5.652	144.9
RohnCa1	0.3526	0.604	-0.0001359	-0.5241	0.3066	-0.0001	-2.733	-4.74	133.3
RohnCa2	0.3481	0.6003	-0.09072	-0.4998	0.3094	0.0203	-2.737	5.944	133.2
RohnCb1	0.3182	0.5452	0.003723	-0.4824	0.2815	-0.0001	-2.898	-5.026	126.7
RohnCb2	0.3127	0.541	-0.08788	-0.5119	0.2841	0.0199	-2.904	6.112	126.6
RohnDa1	0.2544	0.4355	0.008833	-0.4574	0.2662	-0.0001	-3.224	-5.589	113.3
RohnDa2	0.2496	0.4313	-0.08122	-0.4397	0.2721	0.0179	-3.229	6.456	113.3
RohnDb1	0.2251	0.3852	0.01016	-0.4106	0.2393	-0.0001	-3.385	-5.867	106.7
RohnDb2	0.22	0.3797	-0.07705	-0.4298	0.2327	0.0166	-3.39	6.632	106.6
RohnEa1	0.1728	0.2954	0.01189	-0.3767	0.2195	-0.0001	-3.699	-6.41	93.35
RohnEa2	0.1686	0.2892	-0.06883	-0.3417	0.2218	0.0143	-3.703	6.995	93.27
RohnEb1	0.1483	0.2535	0.01285	-0.3173	0.1853	-0.0001	-3.855	-6.68	86.67
RohnEb2	0.1447	0.2498	-0.06454	-0.3573	0.1789	0.0134	-3.858	7.183	86.6
RohnFa1	0.09628	0.1642	0.01262	-0.2576	0.1501	-0.0000	-4.234	-7.337	70.01
RohnFa2	0.09056	0.1624	-0.05289	-0.2777	0.1467	0.0105	-4.24	7.663	69.95
RohnGa1	0.04969	0.08435	0.01021	-0.1880	0.1099	-0.0000	-4.674	-8.098	50.01
RohnGa2	0.04593	0.08374	-0.03829	-0.1902	0.1092	0.0075	-4.678	8.266	49.96
RohnHa1	0.01934	0.0325	0.006511	-0.1282	0.0751	-0.0000	-5.098	-8.832	30.01
RohnHa2	0.01573	0.02929	-0.0233	-0.0987	0.0705	0.0044	-5.102	8.893	29.98
RohnIa1	0.005636	0.009451	0.001684	-0.0721	0.0430	-0.0000	-5.507	-9.538	10
RohnIa2	0.003248	-0.0003584	-0.007959	-0.0150	0.0383	0.0016	-5.509	9.548	9.992
SNB-Aa1	0.5768	0.9965	-0.04869	-0.5512	0.3188	-0.0000	-0.6882	-1.195	175
SNB-Aa2	0.5764	0.9955	-0.09108	-0.5609	0.3190	0.0220	-0.6886	3.187	174.9
SNB-Ab1	0.5494	0.949	-0.04436	-0.5576	0.3226	-0.0000	-0.8141	-1.413	170
SNB-Ab2	0.5489	0.946	-0.08988	-0.5535	0.3239	0.0220	-0.8146	3.308	169.9
SNB-Ac1	0.5208	0.8998	-0.04004	-0.5500	0.3191	-0.0001	-0.9412	-1.632	165
SNB-Ac2	0.5202	0.8985	-0.08854	-0.5553	0.3165	0.0218	-0.9418	3.431	164.9
SNB-Ba1	0.4655	0.8043	-0.03182	-0.5427	0.3145	-0.0000	-1.193	-2.069	155
SNB-Ba2	0.4648	0.8026	-0.08582	-0.5477	0.3164	0.0216	-1.194	3.676	154.9
SNB-Bb1	0.4386	0.7579	-0.0279	-0.5448	0.3156	-0.0000	-1.319	-2.286	150
SNB-Bb2	0.438	0.7542	-0.08441	-0.5373	0.3118	0.0213	-1.319	3.798	149.9
SNB-Bc1	0.4108	0.7098	-0.02399	-0.5300	0.3069	-0.0000	-1.445	-2.504	145
SNB-Bc2	0.4104	0.7085	-0.08284	-0.5326	0.3070	0.0210	-1.445	3.923	144.9
SNB-Ca1	0.3499	0.6046	-0.01592	-0.5270	0.3051	-0.0000	-1.735	-3.007	133.3
SNB-Ca2	0.3488	0.6016	-0.0791	-0.4963	0.3073	0.0201	-1.736	4.213	133.3
SNB-Cb1	0.3157	0.5456	-0.01169	-0.4828	0.2795	-0.0000	-1.901	-3.293	126.6
SNB-Cb2	0.3145	0.543	-0.07646	-0.5084	0.2753	0.0196	-1.902	4.382	126.6
SNB-Da1	0.2521	0.4358	-0.005509	-0.4579	0.2651	-0.0000	-2.226	-3.857	113.3
SNB-Da2	0.2505	0.4327	-0.0707	-0.4406	0.2720	0.0179	-2.228	4.725	113.3
SNB-Db1	0.223	0.3854	-0.003336	-0.4122	0.2386	-0.0000	-2.387	-4.135	106.7
SNB-Db2	0.2214	0.3814	-0.06709	-0.4306	0.2323	0.0166	-2.388	4.901	106.6
SNB-Ea1	0.171	0.2955	0.0003116	-0.3779	0.2186	-0.0000	-2.701	-4.678	93.34
SNB-Ea2	0.1699	0.2909	-0.06035	-0.3435	0.2210	0.0142	-2.702	5.265	93.28
SNB-Eb1	0.1466	0.2535	0.002498	-0.3196	0.1849	-0.0000	-2.856	-4.948	86.66
SNB-Eb2	0.1457	0.2513	-0.05681	-0.3561	0.1819	0.0134	-2.857	5.453	86.6
SNB-Fa1	0.09489	0.1641	0.005424	-0.2574	0.1489	-0.0000	-3.236	-5.605	70.01
SNB-Fa2	0.09164	0.1639	-0.04738	-0.2806	0.1473	0.0106	-3.239	5.933	69.95
SNB-Ga1	0.04862	0.08407	0.006252	-0.1862	0.1077	-0.0000	-3.675	-6.366	50.01
SNB-Ga2	0.0459	0.08463	-0.03516	-0.1941	0.1067	0.0075	-3.678	6.535	49.96
SNB-Ha1	0.01855	0.03206	0.004771	-0.1284	0.0743	-0.0000	-4.099	-7.099	30
SNB-Ha2	0.01556	0.0301	-0.02189	-0.1001	0.0720	0.0044	-4.102	7.161	29.98
SNB-Ia1	0.005116	0.008849	0.001345	-0.0694	0.0402	-0.0000	-4.506	-7.804	10
SNB-Ia2	0.002293	-7.703e-006	-0.007905	-0.0175	0.0358	0.0016	-4.508	7.813	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. Uplift Usage %	Result. Usage %	Result. Force (kips)	X Moment (ft-k)	X-M. Usage %	Y Moment (ft-k)	Y-M. Usage %	Z Moment (ft-k)	Z-M. Usage %	Max. Usage %

RohnJP	0.21	0.0	-1.66	0.0	149.29	0.0	0.0	149.30	0.0	0.55	0.0	2.3	0.0	0.02	0.0	0.0
SNB-JP	6.91	0.0	-2.70	0.0	175.50	0.0	0.0	175.66	0.0	-0.72	0.0	3.3	0.0	-0.03	0.0	0.0
RohnJ1	-14.73	0.0	-25.18	0.0	-239.86	0.0	0.0	241.63	0.0	6.31	0.0	-3.8	0.0	0.00	0.0	0.0
RohnJ2	-1.25	0.0	-0.48	0.0	149.05	0.0	0.0	149.05	0.0	-1.81	0.0	-1.4	0.0	-0.01	0.0	0.0
SNB-J1	-27.45	0.0	-47.52	0.0	-292.86	0.0	0.0	297.95	0.0	11.97	0.0	-6.9	0.0	0.00	0.0	0.0
SNB-J2	-5.75	0.0	4.66	0.0	175.30	0.0	0.0	175.46	0.0	-3.19	0.0	-1.0	0.0	0.03	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	0.6874	1.1905	-0.5168	-0.6874	-1.1905	0.5168	0.6021	1.0486	-0.1062
RohnBP	0.7325	1.2687	-0.7107	-0.7325	-1.2687	0.7107	0.4898	0.8553	-0.1004
RohnCP	0.3486	0.6038	-0.5960	-0.3486	-0.6038	0.5960	0.3803	0.6663	-0.0934
RohnDP	0.6679	1.1569	-1.5259	-0.6679	-1.1569	1.5259	0.2782	0.4897	-0.0851
RohnEP	0.2758	0.4776	-0.8302	-0.2758	-0.4776	0.8302	0.1908	0.3380	-0.0729
RohnFP	0.3499	0.6061	-1.1116	-0.3499	-0.6061	1.1116	0.1182	0.2149	-0.0605
RohnGP	0.3305	0.5724	-1.3426	-0.3305	-0.5724	1.3426	0.0621	0.1207	-0.0455
RohnHP	0.3120	0.5404	-1.4805	-0.3120	-0.5404	1.4805	0.0237	0.0540	-0.0313
RohnIP	0.3445	0.5967	-1.7490	-0.3445	-0.5967	1.7490	0.0025	0.0144	-0.0152
RohnJP	0.1827	0.3165	-0.9701	-0.3899	1.3435	-148.3235	0.0000	0.0000	0.0000
SNB-AP	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.6029	1.0446	-0.0924
SNB-BP	0.1665	0.2884	-0.3359	-0.1665	-0.2884	0.3359	0.4906	0.8513	-0.0873
SNB-CP	0.2298	0.3980	-0.5256	-0.2298	-0.3980	0.5256	0.3811	0.6630	-0.0814
SNB-DP	0.2700	0.4677	-0.6860	-0.2700	-0.4677	0.6860	0.2790	0.4877	-0.0739
SNB-EP	0.2758	0.4776	-0.8302	-0.2758	-0.4776	0.8302	0.1916	0.3360	-0.0634
SNB-FP	0.3080	0.5335	-1.0901	-0.3080	-0.5335	1.0901	0.1189	0.2140	-0.0536
SNB-GP	0.3305	0.5724	-1.3426	-0.3305	-0.5724	1.3426	0.0629	0.1198	-0.0416
SNB-HP	0.3120	0.5404	-1.4805	-0.3120	-0.5404	1.4805	0.0245	0.0535	-0.0290
SNB-IP	0.3329	0.5765	-1.7290	-0.3329	-0.5765	1.7290	0.0033	0.0138	-0.0146
SNB-JP	0.1827	0.3165	-0.9701	-7.0954	2.3793	-174.5324	0.0000	0.0000	0.0000
RohnA1	0.7770	1.3458	-0.5676	-0.7770	-1.3458	0.5676	0.6093	1.0447	-0.0345
RohnA2	0.9007	1.5601	-0.7497	-0.9007	-1.5601	0.7497	0.6023	1.0406	-0.1060
RohnB1	0.3131	0.5423	-0.4807	-0.3131	-0.5423	0.4807	0.4974	0.8516	-0.0183
RohnB2	0.3040	0.5265	-0.4207	-0.3040	-0.5265	0.4207	0.4901	0.8467	-0.1002
RohnC1	0.4048	0.7011	-0.9160	-0.4048	-0.7010	0.9160	0.3882	0.6650	-0.0044
RohnC2	0.3486	0.6038	-0.5960	-0.3486	-0.6038	0.5960	0.3826	0.6588	-0.0932
RohnD1	0.6679	1.1569	-1.5259	-0.6679	-1.1569	1.5259	0.2864	0.4905	0.0068
RohnD2	0.6679	1.1569	-1.5259	-0.6679	-1.1569	1.5259	0.2816	0.4831	-0.0850
RohnE1	0.2758	0.4776	-0.8302	-0.2758	-0.4776	0.8302	0.1982	0.3391	0.0107
RohnE2	0.2758	0.4776	-0.8302	-0.2758	-0.4776	0.8302	0.1945	0.3321	-0.0728
RohnF1	0.3978	0.6890	-1.1611	-0.3978	-0.6890	1.1611	0.1284	0.2194	0.0130
RohnF2	0.3499	0.6061	-1.1116	-0.3499	-0.6061	1.1116	0.1248	0.2082	-0.0604
RohnG1	0.3442	0.5963	-1.3626	-0.3442	-0.5963	1.3626	0.0747	0.1273	0.0104
RohnG2	0.3442	0.5963	-1.3626	-0.3442	-0.5963	1.3626	0.0718	0.1131	-0.0455
RohnH1	0.3120	0.5404	-1.4805	-0.3120	-0.5404	1.4805	0.0361	0.0612	0.0085
RohnH2	0.3120	0.5404	-1.4805	-0.3120	-0.5404	1.4805	0.0338	0.0469	-0.0313
RohnI1	0.3329	0.5765	-1.7290	-0.3329	-0.5765	1.7290	0.0119	0.0199	0.0034
RohnI2	0.3329	0.5765	-1.7290	-0.3329	-0.5765	1.7290	0.0107	0.0090	-0.0152
RohnJ1	0.1827	0.3165	-0.9701	14.5521	24.8594	240.8298	0.0000	0.0000	0.0000
RohnJ2	0.1827	0.3165	-0.9701	1.0670	0.1589	-148.0750	0.0000	0.0000	0.0000
SNB-A1	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.6055	1.0459	-0.0532
SNB-A2	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.6051	1.0432	-0.0923
SNB-B1	0.1665	0.2884	-0.3359	-0.1665	-0.2884	0.3359	0.4936	0.8528	-0.0360
SNB-B2	0.1665	0.2884	-0.3359	-0.1665	-0.2884	0.3359	0.4932	0.8494	-0.0872
SNB-C1	0.2298	0.3980	-0.5256	-0.2298	-0.3980	0.5256	0.3852	0.6657	-0.0205
SNB-C2	0.2298	0.3980	-0.5256	-0.2298	-0.3980	0.5256	0.3845	0.6608	-0.0813
SNB-D1	0.2700	0.4677	-0.6860	-0.2700	-0.4677	0.6860	0.2840	0.4909	-0.0083
SNB-D2	0.2700	0.4677	-0.6860	-0.2700	-0.4677	0.6860	0.2833	0.4850	-0.0739
SNB-E1	0.2758	0.4776	-0.8302	-0.2758	-0.4776	0.8302	0.1963	0.3393	-0.0021
SNB-E2	0.2758	0.4776	-0.8302	-0.2758	-0.4776	0.8302	0.1955	0.3336	-0.0634
SNB-F1	0.3080	0.5335	-1.0901	-0.3080	-0.5335	1.0901	0.1269	0.2194	0.0037

SNB-F2	0.3080	0.5335	-1.0901	-0.3080	-0.5335	1.0901	0.1259	0.2098	-0.0535
SNB-G1	0.3305	0.5724	-1.3426	-0.3305	-0.5724	1.3426	0.0735	0.1271	0.0054
SNB-G2	0.3305	0.5724	-1.3426	-0.3305	-0.5724	1.3426	0.0723	0.1143	-0.0415
SNB-H1	0.3120	0.5404	-1.4805	-0.3120	-0.5404	1.4805	0.0352	0.0608	0.0057
SNB-H2	0.3120	0.5404	-1.4805	-0.3120	-0.5404	1.4805	0.0340	0.0479	-0.0289
SNB-I1	0.3329	0.5765	-1.7290	-0.3329	-0.5765	1.7290	0.0112	0.0194	0.0029
SNB-I2	0.3329	0.5765	-1.7290	-0.3329	-0.5765	1.7290	0.0103	0.0097	-0.0146
SNB-J1	0.1827	0.3165	-0.9701	27.2716	47.2030	293.8273	0.0000	0.0000	0.0000
SNB-J2	0.1827	0.3165	-0.9701	5.5673	-4.9773	-174.3335	0.0000	0.0000	0.0000
RohnAaS	0.6205	1.0747	-0.3652	-0.6205	-1.0747	0.3652	0.5752	1.0007	-0.1049
RohnAbS	0.0965	0.1671	-0.1602	-0.0965	-0.1671	0.1602	0.5458	0.9514	-0.1035
RohnAcS	0.0797	0.1380	-0.1552	-0.0797	-0.1380	0.1552	0.5189	0.9030	-0.1020
RohnBaS	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4632	0.8068	-0.0988
RohnBbS	0.9254	1.6028	-1.1757	-0.9254	-1.6028	1.1757	0.4346	0.7602	-0.0972
RohnBcS	0.1652	0.2861	-0.4457	-0.1652	-0.2861	0.4457	0.4087	0.7114	-0.0953
RohnCaS	1.1340	1.9642	-1.2307	-1.1340	-1.9642	1.2307	0.3467	0.6066	-0.0909
RohnCbS	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.3130	0.5459	-0.0880
RohnDaS	0.2007	0.3477	-0.6061	-0.2007	-0.3477	0.6061	0.2493	0.4359	-0.0814
RohnDbS	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2193	0.3842	-0.0772
RohnEaS	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1665	0.2939	-0.0689
RohnEbS	0.1624	0.2813	-0.5442	-0.1624	-0.2813	0.5442	0.1443	0.2532	-0.0646
RohnFaS	0.1686	0.2920	-0.6209	-0.1686	-0.2920	0.6209	0.0955	0.1619	-0.0530
RohnGaS	0.1619	0.2804	-0.7217	-0.1619	-0.2804	0.7217	0.0496	0.0833	-0.0383
RohnHaS	0.1501	0.2600	-0.7589	-0.1501	-0.2600	0.7589	0.0175	0.0292	-0.0233
RohnIaS	0.1827	0.3165	-0.9701	-0.1827	-0.3165	0.9701	-0.0019	0.0029	-0.0080
SNB-AaS	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5760	0.9961	-0.0911
SNB-AbS	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5466	0.9475	-0.0900
SNB-AcS	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5197	0.8991	-0.0886
SNB-BaS	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4641	0.8033	-0.0859
SNB-BbS	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4355	0.7559	-0.0845
SNB-BcS	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4095	0.7093	-0.0829
SNB-CaS	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.3475	0.6026	-0.0792
SNB-CbS	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.3138	0.5437	-0.0765
SNB-DaS	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2501	0.4332	-0.0708
SNB-DbS	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2201	0.3823	-0.0672
SNB-EaS	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1673	0.2925	-0.0604
SNB-EbS	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1451	0.2518	-0.0569
SNB-FaS	0.1686	0.2920	-0.6209	-0.1686	-0.2920	0.6209	0.0963	0.1613	-0.0474
SNB-GaS	0.1619	0.2804	-0.7217	-0.1619	-0.2804	0.7217	0.0504	0.0821	-0.0352
SNB-HaS	0.1501	0.2600	-0.7589	-0.1501	-0.2600	0.7589	0.0183	0.0286	-0.0219
SNB-IaS	0.1827	0.3165	-0.9701	-0.1827	-0.3165	0.9701	-0.0012	0.0020	-0.0079
SNB-WL-A1S	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.6041	1.0446	-0.1218
SNB-WL-A2S	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.6047	1.0441	-0.1201
SNB-WL-A3S	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.6039	1.0437	-0.1407
SNB-WL-B1S	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.4919	0.8512	-0.1186
SNB-WL-B2S	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.4928	0.8506	-0.1191
SNB-WL-B3S	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.4917	0.8501	-0.1449
SNB-WL-C1S	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.3829	0.6633	-0.1372
SNB-WL-C2S	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.3840	0.6625	-0.1374
SNB-WL-C3S	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.3828	0.6619	-0.1554
SNB-WL-D1S	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.2813	0.4880	-0.1500
SNB-WL-D2S	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.2827	0.4871	-0.1497
SNB-WL-D3S	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.2812	0.4864	-0.1722
SNB-WL-E1S	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.1937	0.3368	-0.1367
SNB-WL-E2S	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.1952	0.3358	-0.1368
SNB-WL-E3S	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.1936	0.3349	-0.1461
SNB-WL-F1S	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1229	0.2148	-0.1994
SNB-WL-F2S	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1248	0.2137	-0.1994
SNB-WL-F3S	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1229	0.2127	-0.2081
SNB-WL-G1S	0.1686	0.2920	-0.6209	-0.1686	-0.2920	0.6209	0.0686	0.1211	-0.2457
SNB-WL-G2S	0.1686	0.2920	-0.6209	-0.1686	-0.2920	0.6209	0.0707	0.1198	-0.2457
SNB-WL-G3S	0.1686	0.2920	-0.6209	-0.1686	-0.2920	0.6209	0.0686	0.1187	-0.2447
SNB-WL-H1S	0.1619	0.2804	-0.7217	-0.1619	-0.2804	0.7217	0.0303	0.0552	-0.2495
SNB-WL-H2S	0.1619	0.2804	-0.7217	-0.1619	-0.2804	0.7217	0.0327	0.0538	-0.2495
SNB-WL-H3S	0.1619	0.2804	-0.7217	-0.1619	-0.2804	0.7217	0.0303	0.0525	-0.2405
SNB-WL-I1S	0.1501	0.2600	-0.7589	-0.1501	-0.2600	0.7589	0.0074	0.0158	-0.1993

SNB-WL-I2S	0.1501	0.2600	-0.7589	-0.1501	-0.2600	0.7589	0.0100	0.0143	-0.1994
SNB-WL-I3S	0.1501	0.2600	-0.7589	-0.1501	-0.2600	0.7589	0.0075	0.0129	-0.1807
RohnAa1	0.1928	0.3340	-0.2050	-0.1928	-0.3340	0.2050	0.5806	0.9953	-0.0301
RohnAa2	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5732	0.9927	-0.1047
RohnAb1	0.6085	1.0540	-0.3552	-0.6085	-1.0540	0.3552	0.5534	0.9477	-0.0259
RohnAb2	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5455	0.9431	-0.1033
RohnAc1	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5247	0.8985	-0.0219
RohnAc2	0.2272	0.3936	-0.2277	-0.2272	-0.3936	0.2277	0.5171	0.8957	-0.1018
RohnBa1	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4691	0.8032	-0.0144
RohnBa2	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4619	0.7999	-0.0986
RohnBb1	0.9026	1.5634	-1.1557	-0.9026	-1.5634	1.1557	0.4420	0.7569	-0.0108
RohnBb2	0.9026	1.5634	-1.1557	-0.9026	-1.5634	1.1557	0.4362	0.7522	-0.0970
RohnBc1	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4139	0.7090	-0.0073
RohnBc2	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4073	0.7057	-0.0951
RohnCa1	1.1340	1.9642	-1.2307	-1.1340	-1.9642	1.2307	0.3526	0.6040	-0.0001
RohnCa2	1.2336	2.1366	-1.3037	-1.2336	-2.1366	1.3037	0.3481	0.6003	-0.0907
RohnCb1	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.3182	0.5452	0.0037
RohnCb2	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.3127	0.5410	-0.0879
RohnDa1	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2544	0.4355	0.0088
RohnDa2	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2496	0.4313	-0.0812
RohnDb1	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2251	0.3852	0.0102
RohnDb2	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2200	0.3797	-0.0771
RohnEa1	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1728	0.2954	0.0119
RohnEa2	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1686	0.2892	-0.0688
RohnEb1	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1483	0.2535	0.0128
RohnEb2	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1447	0.2498	-0.0645
RohnFa1	0.1686	0.2920	-0.6209	-0.1686	-0.2920	0.6209	0.0963	0.1642	0.0126
RohnFa2	0.1686	0.2920	-0.6209	-0.1686	-0.2920	0.6209	0.0906	0.1624	-0.0529
RohnGa1	0.1619	0.2804	-0.7217	-0.1619	-0.2804	0.7217	0.0497	0.0844	0.0102
RohnGa2	0.1619	0.2804	-0.7217	-0.1619	-0.2804	0.7217	0.0459	0.0837	-0.0383
RohnHa1	0.1501	0.2600	-0.7589	-0.1501	-0.2600	0.7589	0.0193	0.0325	0.0065
RohnHa2	0.1501	0.2600	-0.7589	-0.1501	-0.2600	0.7589	0.0157	0.0293	-0.0233
RohnIa1	0.1827	0.3165	-0.9701	-0.1827	-0.3165	0.9701	0.0056	0.0095	0.0017
RohnIa2	0.1827	0.3165	-0.9701	-0.1827	-0.3165	0.9701	0.0032	-0.0004	-0.0080
SNB-Aa1	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5768	0.9965	-0.0487
SNB-Aa2	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5764	0.9955	-0.0911
SNB-Ab1	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5494	0.9490	-0.0444
SNB-Ab2	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5489	0.9460	-0.0899
SNB-Ac1	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5208	0.8998	-0.0400
SNB-Ac2	0.0705	0.1221	-0.1352	-0.0705	-0.1221	0.1352	0.5202	0.8985	-0.0885
SNB-Ba1	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4655	0.8043	-0.0318
SNB-Ba2	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4648	0.8026	-0.0858
SNB-Bb1	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4386	0.7579	-0.0279
SNB-Bb2	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4380	0.7542	-0.0844
SNB-Bc1	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4108	0.7098	-0.0240
SNB-Bc2	0.0960	0.1663	-0.2007	-0.0960	-0.1663	0.2007	0.4104	0.7085	-0.0828
SNB-Ca1	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.3499	0.6046	-0.0159
SNB-Ca2	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.3488	0.6016	-0.0791
SNB-Cb1	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.3157	0.5456	-0.0117
SNB-Cb2	0.1337	0.2317	-0.3250	-0.1337	-0.2317	0.3250	0.3145	0.5430	-0.0765
SNB-Da1	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2521	0.4358	-0.0055
SNB-Da2	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2505	0.4327	-0.0707
SNB-Db1	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2230	0.3854	-0.0033
SNB-Db2	0.1363	0.2360	-0.3611	-0.1363	-0.2360	0.3611	0.2214	0.3814	-0.0671
SNB-Ea1	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1710	0.2955	0.0003
SNB-Ea2	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1699	0.2909	-0.0603
SNB-Eb1	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1466	0.2535	0.0025
SNB-Eb2	0.1395	0.2416	-0.4692	-0.1395	-0.2416	0.4692	0.1457	0.2513	-0.0568
SNB-Fa1	0.1686	0.2920	-0.6209	-0.1686	-0.2920	0.6209	0.0949	0.1641	0.0054
SNB-Fa2	0.1686	0.2920	-0.6209	-0.1686	-0.2920	0.6209	0.0916	0.1639	-0.0474
SNB-Ga1	0.1619	0.2804	-0.7217	-0.1619	-0.2804	0.7217	0.0486	0.0841	0.0063
SNB-Ga2	0.1619	0.2804	-0.7217	-0.1619	-0.2804	0.7217	0.0459	0.0846	-0.0352
SNB-Ha1	0.1501	0.2600	-0.7589	-0.1501	-0.2600	0.7589	0.0185	0.0321	0.0048
SNB-Ha2	0.1501	0.2600	-0.7589	-0.1501	-0.2600	0.7589	0.0156	0.0301	-0.0219
SNB-Ia1	0.1827	0.3165	-0.9701	-0.1827	-0.3165	0.9701	0.0051	0.0088	0.0013
SNB-Ia2	0.1827	0.3165	-0.9701	-0.1827	-0.3165	0.9701	0.0023	-0.0000	-0.0079

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	-0.00	-0.00	0.00	67.79	-157.45	13.55	-31.48
Rohn-LA11	0.00	-0.00	0.00	-124.57	92.29	-24.90	18.45
Rohn-LA12	0.00	-0.00	-0.00	120.49	82.52	24.09	16.50
Rohn-LA2P	-0.01	-67.79	157.45	-41.29	199.78	-21.81	71.42
Rohn-LA21	0.00	124.57	-92.29	155.44	-114.61	55.98	-41.36
Rohn-LA22	-0.00	-120.49	-82.52	-173.30	-82.32	-58.74	-32.96
Rohn-LA3P	-0.02	41.29	-199.78	-50.82	-216.24	-1.91	-83.18
Rohn-LA31	0.00	-155.44	114.61	-200.91	119.44	-71.23	46.79
Rohn-LA32	0.01	173.30	82.32	174.74	128.91	69.59	42.23
Rohn-LA4P	-0.01	50.82	216.24	115.56	289.91	33.27	101.20
Rohn-LA41	0.00	200.91	-119.43	224.60	-128.96	85.06	-49.65
Rohn-LA42	0.00	-174.75	-128.91	-229.51	-191.25	-80.83	-64.01
Rohn-LB1P	-0.02	-115.56	-289.91	-314.77	-388.77	-86.04	-135.69
Rohn-LB11	0.00	-224.60	128.97	-365.51	193.12	-117.96	64.38
Rohn-LB12	0.03	229.51	191.25	201.18	442.42	86.11	126.69
Rohn-LB2P	-0.01	314.77	388.78	409.40	471.84	144.79	172.07
Rohn-LB21	-0.00	365.51	-193.11	383.56	-221.25	149.73	-82.83
Rohn-LB22	0.01	-201.19	-442.41	-217.78	-571.20	-83.77	-202.66
Rohn-LB3P	-0.01	-409.40	-471.84	-476.06	-478.32	-177.05	-189.98
Rohn-LB31	-0.00	-383.56	221.26	-561.62	349.01	-188.93	113.99
Rohn-LB32	0.01	217.76	571.21	199.34	612.97	83.40	236.77
Rohn-LB4P	0.10	476.06	478.33	70.07	503.31	109.20	196.28
Rohn-LB41	0.00	561.63	-349.00	396.36	-243.16	191.47	-118.36
Rohn-LB42	-0.10	-199.36	-612.97	-423.46	-276.11	-124.53	-177.77
Rohn-LC1P	0.04	-70.07	-503.31	174.54	-48.44	15.68	-82.82
Rohn-LC11	0.00	-396.36	243.17	-217.47	120.44	-92.11	54.56
Rohn-LC12	-0.04	423.45	276.11	153.11	-154.83	86.55	18.21
Rohn-LC2P	0.03	-174.55	48.44	-444.83	-309.48	-92.70	-39.07
Rohn-LC21	0.00	217.47	-120.43	-426.12	268.51	-31.21	22.15
Rohn-LC22	-0.04	-153.12	154.82	34.81	546.14	-17.71	104.91
Rohn-LC3P	0.16	444.83	309.49	-133.07	813.21	46.80	168.54
Rohn-LC31	0.00	426.12	-268.50	289.34	-169.83	107.35	-65.77
Rohn-LC32	-0.15	-34.82	-546.14	-745.27	-322.44	-117.11	-130.40
Rohn-LD1P	-0.02	133.07	-813.21	-65.79	-349.40	10.10	-174.55
Rohn-LD11	0.00	-289.34	169.83	-598.42	340.62	-133.18	76.57
Rohn-LD12	0.04	745.26	322.45	238.99	276.80	147.77	89.97
Rohn-LD2P	0.08	65.79	349.41	-654.79	138.56	-88.17	73.05
Rohn-LD21	0.00	598.42	-340.60	-293.38	172.22	45.62	-25.18
Rohn-LD22	-0.07	-239.00	-276.80	-428.41	473.47	-99.91	29.44
Rohn-LD3P	0.09	654.79	-138.56	17.72	433.92	100.98	44.35
Rohn-LD31	0.00	293.38	-172.22	-275.52	162.01	2.68	-1.53
Rohn-LD32	-0.08	428.40	-473.47	-373.83	-222.33	8.19	-104.48
Rohn-LE1P	-0.05	-17.72	-433.91	-540.28	590.91	-83.78	23.57
Rohn-LE11	0.00	275.52	-162.01	171.29	-102.12	67.03	-39.62
Rohn-LE12	0.05	373.82	222.33	-776.41	167.29	-60.44	58.50
Rohn-LE2P	-0.20	540.28	-590.90	-180.09	-1459.93	53.92	-307.00
Rohn-LE21	0.00	-171.29	102.12	-1646.03	952.14	-271.80	157.67
Rohn-LE22	0.21	776.41	-167.30	1165.38	899.53	290.68	109.61
Rohn-LE3P	0.17	180.08	1459.93	-134.26	2753.08	6.88	632.57
Rohn-LE31	0.00	1646.05	-952.10	1501.41	-861.08	472.12	-271.98
Rohn-LE32	-0.16	-1165.41	-899.50	-2436.93	-1280.41	-540.88	-327.31
Rohn-LF1P	-0.89	134.26	-2753.07	-1152.00	-2727.54	-101.78	-548.09
Rohn-LF11	-0.00	-1501.40	861.09	-2740.15	1585.33	-423.70	244.38
Rohn-LF12	0.88	2436.90	1280.46	1779.26	2371.31	421.64	365.19
Rohn-LF2P	1.07	1151.98	2727.55	131.70	3974.83	128.38	670.30
Rohn-LF21	0.00	2740.21	-1585.22	2281.94	-1319.55	501.63	-290.14
Rohn-LF22	-1.07	-1779.39	-2371.21	-3369.58	-2108.69	-514.94	-448.03
Rohn-LG1P	-0.72	-131.70	-3974.83	-1138.71	-3884.42	-127.04	-785.92
Rohn-LG11	0.00	-2281.93	1319.57	-3851.18	2226.71	-612.70	354.27

Rohn-LG12	0.72	3369.52	2108.78	2789.90	2935.61	615.93	504.43
Rohn-LG2P	0.91	1138.70	3884.42	14.05	4366.72	115.28	825.13
Rohn-LG21	0.01	3851.28	-2226.54	2422.88	-1395.17	626.76	-361.79
Rohn-LG22	-0.91	-2790.04	-2935.47	-3768.05	-2204.49	-655.82	-514.01
Rohn-LH1P	-1.11	-14.05	-4366.72	-1407.76	-2949.70	-142.19	-731.67
Rohn-LH11	0.00	-2422.86	1395.20	-2887.66	1666.14	-530.46	305.79
Rohn-LH12	1.11	3767.99	2204.59	1848.41	2698.02	561.66	490.28
Rohn-LH2P	0.58	1407.76	2949.70	235.70	2715.52	164.36	566.57
Rohn-LH21	0.00	2887.72	-1666.04	417.70	-236.08	330.16	-189.99
Rohn-LH22	-0.58	-1848.53	-2697.93	-2231.78	-1564.10	-408.07	-426.24
Rohn-LI1P	-0.59	-235.70	-2715.52	-2526.07	1849.83	-276.17	-86.57
Rohn-LI11	0.00	-417.70	236.08	1153.00	-693.69	73.46	-45.72
Rohn-LI12	0.61	2231.76	1564.12	-2886.72	1301.51	-65.49	286.55
Rohn-LI2P	-0.55	2526.06	-1849.83	-554.61	-2287.45	197.15	-413.73
Rohn-LI21	0.00	-1153.01	693.69	-6304.45	3766.39	-745.01	445.57
Rohn-LI22	0.53	2886.71	-1301.55	1809.52	1440.33	469.63	13.88
SNB-LA1P	-0.00	-0.00	0.00	8.20	-214.45	1.64	-42.87
SNB-LA11	0.00	-0.00	0.00	-174.92	114.99	-34.97	22.99
SNB-LA12	0.00	-0.00	-0.00	169.63	102.45	33.91	20.48
SNB-LA2P	-0.00	-8.20	214.45	-5.04	272.44	-2.65	97.34
SNB-LA21	0.00	174.92	-114.99	220.41	-141.51	79.03	-51.28
SNB-LA22	0.00	-169.64	-102.45	-222.05	-136.60	-78.31	-47.79
SNB-LA3P	-0.01	5.04	-272.44	-39.27	-297.93	-6.85	-114.03
SNB-LA31	0.00	-220.41	141.51	-274.06	166.37	-98.85	61.55
SNB-LA32	0.01	222.04	136.60	234.73	188.25	91.32	64.95
SNB-LA4P	0.01	39.27	297.94	28.79	409.06	13.61	141.35
SNB-LA41	0.00	274.06	-166.36	314.76	-183.83	117.71	-70.01
SNB-LA42	-0.01	-234.73	-188.25	-346.16	-232.03	-116.14	-84.03
SNB-LB1P	-0.00	-28.79	-409.06	-58.33	-587.77	-17.42	-199.30
SNB-LB11	0.00	-314.76	183.83	-546.01	308.69	-172.08	98.46
SNB-LB12	0.00	346.15	232.03	493.23	344.82	167.82	115.33
SNB-LB2P	0.03	58.32	587.77	-102.18	712.88	-8.77	260.04
SNB-LB21	0.00	546.01	-308.69	584.41	-328.90	225.98	-127.46
SNB-LB22	-0.03	-493.24	-344.82	-677.62	-264.74	-234.09	-121.87
SNB-LB3P	-0.02	102.18	-712.87	-10.03	-686.70	18.42	-279.83
SNB-LB31	-0.00	-584.41	328.91	-845.64	482.24	-285.87	162.15
SNB-LB32	0.02	677.61	264.74	595.35	349.47	254.51	122.80
SNB-LB4P	0.02	10.03	686.71	-88.30	578.71	-15.65	253.01
SNB-LB41	0.00	845.65	-482.23	462.74	-261.52	261.54	-148.67
SNB-LB42	-0.02	-595.36	-349.46	-549.56	-210.17	-228.91	-111.89
SNB-LC1P	-0.02	88.30	-578.71	-73.49	-76.66	2.22	-98.37
SNB-LC11	0.00	-462.73	261.53	-214.23	119.17	-101.59	57.13
SNB-LC12	0.02	549.56	210.18	36.14	101.22	87.92	46.74
SNB-LC2P	-0.00	73.49	76.67	-211.59	-271.15	-20.67	-29.11
SNB-LC21	0.00	214.23	-119.16	-367.92	219.06	-22.99	14.94
SNB-LC22	-0.00	-36.15	-101.22	122.05	320.90	12.86	32.88
SNB-LC3P	0.07	211.59	271.15	-7.64	758.40	30.62	154.55
SNB-LC31	-0.00	367.93	-219.05	271.03	-163.52	95.87	-57.40
SNB-LC32	-0.07	-122.05	-320.90	-652.69	-373.43	-116.30	-104.23
SNB-LD1P	-0.09	7.64	-758.39	-404.90	-337.14	-59.64	-164.47
SNB-LD11	0.00	-271.03	163.52	-634.27	374.30	-135.83	80.69
SNB-LD12	0.09	652.68	373.44	81.97	522.38	110.29	134.48
SNB-LD2P	0.05	404.89	337.14	-404.26	106.45	0.10	66.40
SNB-LD21	-0.00	634.28	-374.28	-305.91	171.89	49.12	-30.27
SNB-LD22	-0.05	-81.98	-522.38	-287.90	296.51	-55.37	-33.81
SNB-LD3P	0.06	404.26	-106.44	-310.57	603.79	14.07	74.67
SNB-LD31	0.00	305.91	-171.88	-363.72	217.08	-8.67	6.78
SNB-LD32	-0.06	287.89	-296.51	-681.27	-31.72	-59.06	-49.28
SNB-LE1P	0.01	310.57	-603.79	-669.45	1255.96	-53.88	97.90
SNB-LE11	0.00	363.72	-217.07	267.69	-158.59	94.74	-56.36
SNB-LE12	-0.02	681.27	31.73	-1416.27	-48.39	-110.34	-2.50
SNB-LE2P	-0.30	669.45	-1255.95	-761.15	-2836.87	-13.72	-612.61
SNB-LE21	0.00	-267.69	158.59	-3297.97	1911.47	-533.38	309.65
SNB-LE22	0.30	1416.26	48.39	2071.09	2081.78	521.99	318.84
SNB-LE3P	0.45	761.14	2836.88	-88.81	4890.78	100.94	1160.14
SNB-LE31	0.00	3298.02	-1911.39	2659.78	-1539.31	893.81	-517.68

SNB-LE32	-0.46	-2071.14	-2081.73	-4273.41	-2370.72	-952.49	-668.44
SNB-LF1P	-1.43	88.81	-4890.78	-1695.57	-4583.63	-160.66	-947.36
SNB-LF11	0.00	-2659.77	1539.34	-4395.22	2544.31	-704.88	408.01
SNB-LF12	1.43	4273.35	2370.81	3117.18	3764.63	738.99	613.49
SNB-LF2P	1.82	1695.55	4583.64	276.49	7127.53	197.19	1171.03
SNB-LF21	0.00	4395.32	-2544.13	4071.49	-2354.74	845.88	-489.42
SNB-LF22	-1.82	-3117.38	-3764.47	-6028.01	-3805.72	-914.47	-756.96
SNB-LG1P	-1.49	-276.49	-7127.53	-3083.74	-8507.47	-335.99	-1563.36
SNB-LG11	0.00	-4071.46	2354.79	-8690.00	5026.78	-1275.00	737.49
SNB-LG12	1.49	6027.89	3805.89	5820.79	6930.45	1184.76	1073.53
SNB-LG2P	2.11	3083.72	8507.48	477.01	10062.42	356.05	1856.89
SNB-LG21	0.00	8690.21	-5026.41	5572.46	-3221.22	1424.94	-823.99
SNB-LG22	-2.12	-5821.15	-6930.15	-8470.79	-5446.42	-1429.11	-1237.59
SNB-LH1P	-2.56	-477.01	-10062.42	-3616.15	-6828.54	-409.30	-1689.01
SNB-LH11	0.00	-5572.42	3221.29	-6760.80	3909.08	-1232.08	712.32
SNB-LH12	2.56	8470.64	5446.64	4102.97	6550.48	1257.30	1199.65
SNB-LH2P	1.22	3616.14	6828.55	1022.57	6262.11	463.88	1309.08
SNB-LH21	0.00	6760.94	-3908.85	1034.93	-596.62	778.79	-450.09
SNB-LH22	-1.22	-4103.26	-6550.29	-4908.26	-4019.17	-901.16	-1056.96
SNB-LI1P	-1.71	-1022.57	-6262.11	-6665.02	2844.70	-768.69	-341.71
SNB-LI11	0.00	-1034.93	596.61	1623.29	-937.31	58.78	-34.04
SNB-LI12	1.71	4908.21	4019.22	-5798.59	4355.18	-89.03	837.36
SNB-LI2P	-0.75	6665.02	-2844.70	725.16	-3251.38	739.03	-609.62
SNB-LI21	0.00	-1623.29	937.30	-11969.59	6924.80	-1358.00	785.46
SNB-LI22	0.75	5798.51	-4355.29	3187.83	982.25	898.64	-337.31

*** 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	-0.0007802	1.233	-0.08252	-0.6433	-0.0211	-0.0251	4.332	1.233	179.9
RohnBP	-0.001451	1.006	-0.07324	-0.6537	-0.0079	-0.0257	5.12	1.006	159.9
RohnCP	-0.002475	0.7844	-0.0639	-0.5959	0.0082	-0.0236	5.907	0.7844	139.9
RohnDP	-0.003354	0.5767	-0.0546	-0.5505	-0.0023	-0.0218	6.692	0.5767	119.9
RohnEP	-0.003435	0.3982	-0.04511	-0.4547	0.0045	-0.0181	7.478	0.3982	99.95
RohnFP	-0.005752	0.2532	-0.03605	-0.3809	-0.0077	-0.0151	8.262	0.2532	79.96
RohnGP	-0.007665	0.1422	-0.02692	-0.2631	-0.0161	-0.0105	9.047	0.1422	59.97
RohnHP	-0.007821	0.06357	-0.01804	-0.1839	0.0083	-0.0075	9.833	0.06357	39.98
RohnIP	-0.006049	0.01693	-0.009035	-0.0883	0.0190	-0.0036	10.62	0.01693	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	4.18e-006	1.23	-0.07951	-0.6538	-0.0211	-0.0256	2.333	1.23	179.9
SNB-BP	-0.0006668	1.003	-0.07037	-0.6453	-0.0090	-0.0254	3.12	1.003	159.9
SNB-CP	-0.001691	0.7814	-0.06122	-0.6188	0.0147	-0.0246	3.906	0.7814	139.9
SNB-DP	-0.002573	0.575	-0.05216	-0.5597	-0.0049	-0.0221	4.692	0.575	119.9
SNB-EP	-0.002654	0.3964	-0.04306	-0.4494	0.0027	-0.0178	5.478	0.3964	99.96
SNB-FP	-0.004972	0.2526	-0.03452	-0.3760	0.0008	-0.0149	6.263	0.2526	79.97
SNB-GP	-0.006885	0.1415	-0.02593	-0.2675	-0.0312	-0.0106	7.048	0.1415	59.97
SNB-HP	-0.007041	0.06319	-0.01741	-0.1824	0.0073	-0.0074	7.834	0.06319	39.98
SNB-IP	-0.005269	0.0163	-0.008754	-0.0917	0.0191	-0.0038	8.623	0.0163	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.005379	1.231	-0.04033	-0.6761	0.0095	0.0129	-2.161	-2.522	180
RohnA2	-3.513e-005	1.226	-0.1244	-0.6346	0.0125	0.0128	-2.167	4.979	179.9
RohnB1	0.00545	1.003	-0.02485	-0.6519	0.0038	0.0127	-2.555	-3.431	160
RohnB2	-0.0005065	0.9983	-0.1212	-0.6386	0.0087	0.0128	-2.561	5.433	159.9
RohnC1	0.00481	0.7835	-0.01143	-0.6001	0.0059	0.0116	-2.95	-4.334	140
RohnC2	0.0001895	0.7772	-0.116	-0.6126	-0.0124	0.0118	-2.954	5.895	139.9
RohnD1	0.004632	0.5779	-0.0003883	-0.5560	0.0049	0.0108	-3.343	-5.22	120
RohnD2	0.0004895	0.5705	-0.1085	-0.5506	-0.0008	0.0109	-3.347	6.369	119.9
RohnE1	0.00389	0.3996	0.004177	-0.4495	-0.0004	0.0090	-3.737	-6.079	100
RohnE2	0.0006673	0.3927	-0.09415	-0.4565	-0.0026	0.0090	-3.74	6.871	99.91
RohnF1	0.004839	0.2579	0.007291	-0.3710	-0.0028	0.0075	-4.129	-6.902	80.01
RohnF2	0.001548	0.2473	-0.07921	-0.3577	0.0121	0.0074	-4.132	7.408	79.92
RohnG1	0.005405	0.1489	0.006089	-0.2774	0.0103	0.0052	-4.522	-7.693	60.01
RohnG2	0.002609	0.1353	-0.05981	-0.2494	0.0068	0.0052	-4.525	7.977	59.94
RohnH1	0.005157	0.0708	0.00548	-0.1715	-0.0056	0.0037	-4.915	-8.452	40.01
RohnH2	0.002808	0.05716	-0.04149	-0.1857	-0.0022	0.0037	-4.918	8.58	39.96
RohnI1	0.003658	0.0224	0.001972	-0.0644	-0.0122	0.0018	-5.311	-9.183	20
RohnI2	0.002427	0.01194	-0.02001	-0.0976	-0.0064	0.0018	-5.313	9.218	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	0.002339	1.231	-0.05646	-0.6751	0.0113	0.0128	-1.164	-0.789	179.9
SNB-A2	0.00214	1.229	-0.1025	-0.6336	0.0108	0.0127	-1.164	3.249	179.9
SNB-B1	0.002167	1.004	-0.04016	-0.6525	0.0054	0.0127	-1.558	-1.699	160
SNB-B2	0.001981	1.001	-0.1004	-0.6359	0.0065	0.0127	-1.559	3.704	159.9
SNB-C1	0.002447	0.784	-0.02533	-0.6018	-0.0089	0.0123	-1.952	-2.6	140
SNB-C2	0.001823	0.7792	-0.09695	-0.6260	-0.0034	0.0123	-1.952	4.164	139.9
SNB-D1	0.002467	0.5782	-0.01349	-0.5602	0.0011	0.0111	-2.345	-3.488	120
SNB-D2	0.001889	0.5723	-0.09066	-0.5506	0.0058	0.0110	-2.346	4.638	119.9
SNB-E1	0.002304	0.3996	-0.006896	-0.4476	-0.0003	0.0089	-2.738	-4.347	99.99
SNB-E2	0.001508	0.3941	-0.0791	-0.4519	-0.0008	0.0089	-2.739	5.141	99.92
SNB-F1	0.00331	0.2578	-0.0007505	-0.3657	-0.0053	0.0075	-3.131	-5.17	80
SNB-F2	0.002339	0.2487	-0.06817	-0.3668	0.0058	0.0074	-3.132	5.677	79.93
SNB-G1	0.00429	0.1486	0.001825	-0.2894	0.0133	0.0053	-3.523	-5.961	60
SNB-G2	0.00296	0.1364	-0.0536	-0.2357	0.0189	0.0053	-3.525	6.246	59.95
SNB-H1	0.004274	0.0704	0.003067	-0.1727	-0.0053	0.0037	-3.916	-6.72	40
SNB-H2	0.002935	0.05814	-0.03784	-0.1851	-0.0015	0.0037	-3.918	6.849	39.96
SNB-I1	0.003213	0.02176	0.001602	-0.0668	-0.0142	0.0019	-4.311	-7.45	20

SNB-I2	0.002118	0.01266	-0.01909	-0.0998	-0.0046	0.0019	-4.312	7.485	19.98
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	0.0001887	1.177	-0.08019	-0.6553	0.0059	-0.0259	4.53	1.177	174.9
RohnAbS	-0.000992	1.119	-0.07789	-0.6617	-0.0015	-0.0261	4.726	1.119	169.9
RohnAcS	-0.0001221	1.062	-0.07551	-0.6404	0.0047	-0.0253	4.924	1.062	164.9
RohnBaS	-0.0004548	0.9494	-0.07087	-0.6344	0.0030	-0.0250	5.318	0.9494	154.9
RohnBbS	-0.00168	0.8946	-0.0686	-0.6437	-0.0028	-0.0253	5.513	0.8946	149.9
RohnBcS	-0.0005174	0.8374	-0.06616	-0.6369	0.0039	-0.0251	5.711	0.8374	144.9
RohnCaS	-0.001388	0.7141	-0.06079	-0.6136	-0.0159	-0.0241	6.169	0.7141	133.3
RohnCbS	-0.001166	0.6428	-0.05758	-0.5933	0.0156	-0.0236	6.432	0.6428	126.6
RohnDaS	-0.001478	0.5135	-0.05141	-0.5377	-0.0125	-0.0212	6.955	0.5135	113.3
RohnDbS	-0.002077	0.4526	-0.04816	-0.4937	0.0130	-0.0197	7.217	0.4526	106.6
RohnEaS	-0.002774	0.3463	-0.04207	-0.4299	-0.0215	-0.0169	7.74	0.3463	93.3
RohnEbS	-0.001461	0.2984	-0.03887	-0.3962	0.0249	-0.0159	8.004	0.2984	86.62
RohnFaS	0.0004068	0.1909	-0.03113	-0.3157	0.0126	-0.0125	8.662	0.1909	69.97
RohnGaS	0.0005476	0.09819	-0.02217	-0.2258	0.0011	-0.0090	9.449	0.09819	49.98
RohnHaS	-0.0008809	0.03449	-0.01338	-0.1322	-0.0159	-0.0052	10.23	0.03449	29.99
RohnIaS	-0.004944	0.003506	-0.004751	-0.0506	-0.0321	-0.0021	11.02	0.003506	9.995
SNB-AaS	0.0009745	1.173	-0.0772	-0.6534	0.0059	-0.0259	2.531	1.173	174.9
SNB-AbS	-0.0002075	1.116	-0.07495	-0.6544	-0.0016	-0.0258	2.727	1.116	169.9
SNB-AcS	0.0006623	1.059	-0.07261	-0.6472	0.0050	-0.0256	2.925	1.059	164.9
SNB-BaS	0.0003293	0.9464	-0.06804	-0.6436	0.0032	-0.0254	3.318	0.9464	154.9
SNB-BbS	-0.0008935	0.8906	-0.06579	-0.6326	-0.0023	-0.0250	3.514	0.8906	149.9
SNB-BcS	0.0002652	0.8358	-0.06343	-0.6254	0.0022	-0.0247	3.712	0.8358	144.9
SNB-CaS	-0.0006028	0.7102	-0.05821	-0.6042	-0.0178	-0.0237	4.169	0.7102	133.3
SNB-CbS	-0.0003837	0.641	-0.05503	-0.5791	0.0168	-0.0230	4.433	0.641	126.6
SNB-DaS	-0.000695	0.5109	-0.0491	-0.5359	-0.0119	-0.0211	4.956	0.5109	113.3
SNB-DbS	-0.001295	0.451	-0.04596	-0.4905	0.0133	-0.0195	5.218	0.451	106.6
SNB-EaS	-0.001993	0.3452	-0.04022	-0.4273	-0.0203	-0.0168	5.741	0.3452	93.3
SNB-EbS	-0.0006799	0.2972	-0.03712	-0.3956	0.0225	-0.0158	6.005	0.2972	86.62
SNB-FaS	0.001187	0.1906	-0.02983	-0.3160	0.0143	-0.0125	6.663	0.1906	69.97
SNB-GaS	0.001328	0.09707	-0.02139	-0.2236	0.0051	-0.0089	7.449	0.09707	49.98
SNB-HaS	-0.0001006	0.03383	-0.01302	-0.1328	-0.0155	-0.0053	8.234	0.03383	29.99
SNB-IaS	-0.004163	0.002403	-0.004826	-0.0470	-0.0286	-0.0019	9.017	0.002403	9.995
SNB-WL-A1S	0.001319	1.23	-0.1154	0.0000	0.0000	0.0000	0.5846	0.2198	179.9
SNB-WL-A2S	0.001957	1.229	-0.1278	0.0000	0.0000	0.0000	-1.165	1.229	179.9
SNB-WL-A3S	0.00123	1.229	-0.1385	0.0000	0.0000	0.0000	0.5845	2.239	179.9
SNB-WL-B1S	0.0009121	1.003	-0.1117	0.0000	0.0000	0.0000	0.7812	-0.3488	159.9
SNB-WL-B2S	0.001777	1.002	-0.1286	0.0000	0.0000	0.0000	-1.559	1.002	159.9
SNB-WL-B3S	0.0008154	1.001	-0.1435	0.0000	0.0000	0.0000	0.7811	2.353	159.9
SNB-WL-C1S	0.0005038	0.7815	-0.1326	0.0000	0.0000	0.0000	0.9775	-0.9107	139.9
SNB-WL-C2S	0.001611	0.7807	-0.1435	0.0000	0.0000	0.0000	-1.952	0.7807	139.9
SNB-WL-C3S	0.0004331	0.7801	-0.1541	0.0000	0.0000	0.0000	0.9774	2.472	139.8
SNB-WL-D1S	0.0001442	0.5752	-0.1444	0.0000	0.0000	0.0000	1.174	-1.458	119.9
SNB-WL-D2S	0.001499	0.5743	-0.1571	0.0000	0.0000	0.0000	-2.346	0.5743	119.8
SNB-WL-D3S	0.0001073	0.5735	-0.1703	0.0000	0.0000	0.0000	1.174	2.607	119.8
SNB-WL-E1S	-0.0001676	0.3971	-0.1348	0.0000	0.0000	0.0000	1.37	-1.976	99.87
SNB-WL-E2S	0.001425	0.3961	-0.1395	0.0000	0.0000	0.0000	-2.739	0.3961	99.86
SNB-WL-E3S	-0.0001894	0.3953	-0.1454	0.0000	0.0000	0.0000	1.37	2.769	99.85
SNB-WL-F1S	-0.0004071	0.2533	-0.1973	0.0000	0.0000	0.0000	1.567	-2.461	79.8
SNB-WL-F2S	0.001426	0.2522	-0.2021	0.0000	0.0000	0.0000	-3.133	0.2522	79.8
SNB-WL-F3S	-0.0004084	0.2512	-0.2074	0.0000	0.0000	0.0000	1.567	2.965	79.79
SNB-WL-G1S	-0.0006143	0.1428	-0.2464	0.0000	0.0000	0.0000	1.763	-2.912	59.75
SNB-WL-G2S	0.001463	0.1415	-0.245	0.0000	0.0000	0.0000	-3.526	0.1415	59.75
SNB-WL-G3S	-0.0005865	0.1404	-0.2447	0.0000	0.0000	0.0000	1.763	3.195	59.76
SNB-WL-H1S	-0.0007649	0.065	-0.2522	0.0000	0.0000	0.0000	1.959	-3.33	39.75
SNB-WL-H2S	0.00155	0.0636	-0.2461	0.0000	0.0000	0.0000	-3.919	0.0636	39.75
SNB-WL-H3S	-0.0007225	0.06234	-0.2411	0.0000	0.0000	0.0000	1.96	3.458	39.76
SNB-WL-I1S	-0.0008813	0.01851	-0.2047	0.0000	0.0000	0.0000	2.156	-3.718	19.8
SNB-WL-I2S	0.00167	0.01697	-0.1927	0.0000	0.0000	0.0000	-4.312	0.01697	19.81
SNB-WL-I3S	-0.0008257	0.01556	-0.182	0.0000	0.0000	0.0000	2.156	3.752	19.82
RohnAa1	0.004909	1.173	-0.0361	-0.6479	-0.0000	0.0128	-2.26	-2.75	175
RohnAa2	-0.0008003	1.17	-0.1239	-0.6614	0.0016	0.0131	-2.266	5.093	174.9
RohnAb1	0.005286	1.117	-0.03216	-0.6567	-0.0006	0.0130	-2.358	-2.977	170
RohnAb2	-0.0006505	1.112	-0.1233	-0.6509	0.0032	0.0129	-2.364	5.205	169.9

RohnAc1	0.005157	1.059	-0.02833	-0.6477	-0.0010	0.0128	-2.457	-3.206	165
RohnAc2	-0.001075	1.056	-0.1223	-0.6514	-0.0038	0.0127	-2.463	5.32	164.9
RohnBa1	0.004938	0.9464	-0.02113	-0.6352	0.0061	0.0123	-2.654	-3.659	155
RohnBa2	-0.001231	0.9432	-0.1202	-0.6383	-0.0069	0.0124	-2.66	5.549	154.9
RohnBb1	0.004656	0.8921	-0.01769	-0.6399	0.0041	0.0125	-2.753	-3.884	150
RohnBb2	4.626e-005	0.8869	-0.1191	-0.6339	0.0014	0.0125	-2.757	5.663	149.9
RohnBc1	0.004499	0.8354	-0.0143	-0.6233	-0.0027	0.0124	-2.852	-4.111	145
RohnBc2	-0.001199	0.8324	-0.1177	-0.6292	0.0020	0.0124	-2.857	5.779	144.9
RohnCa1	0.003666	0.7121	-0.00731	-0.6172	0.0068	0.0119	-3.082	-4.632	133.3
RohnCa2	7.803e-005	0.7079	-0.1139	-0.5886	0.0115	0.0119	-3.085	6.052	133.2
RohnCb1	0.004003	0.6424	-0.003509	-0.5721	-0.0082	0.0117	-3.213	-4.929	126.7
RohnCb2	-0.0008483	0.6386	-0.1114	-0.5986	-0.0046	0.0117	-3.217	6.21	126.5
RohnDa1	0.003631	0.5133	0.001762	-0.5393	0.0039	0.0105	-3.475	-5.511	113.3
RohnDa2	-0.0006313	0.5093	-0.1043	-0.5173	0.0109	0.0105	-3.479	6.534	113.2
RohnDb1	0.004	0.4537	0.003335	-0.4844	-0.0022	0.0097	-3.606	-5.798	106.7
RohnDb2	-0.0006473	0.4489	-0.0994	-0.5057	-0.0091	0.0098	-3.61	6.701	106.6
RohnEa1	0.003753	0.348	0.0056	-0.4422	0.0099	0.0084	-3.868	-6.358	93.35
RohnEa2	-5e-005	0.3422	-0.08952	-0.4047	0.0130	0.0084	-3.872	7.048	93.25
RohnEb1	0.002737	0.2988	0.006833	-0.3768	-0.0086	0.0078	-4	-6.635	86.67
RohnEb2	-0.0004864	0.2955	-0.08437	-0.4188	-0.0152	0.0079	-4.003	7.229	86.58
RohnFa1	0.002925	0.1929	0.007564	-0.3054	-0.0044	0.0062	-4.328	-7.308	70.01
RohnFa2	-0.002953	0.193	-0.0697	-0.3263	-0.0076	0.0062	-4.334	7.694	69.93
RohnGa1	0.001712	0.09912	0.006488	-0.2226	-0.0002	0.0045	-4.722	-8.083	50.01
RohnGa2	-0.002127	0.09973	-0.05074	-0.2242	-0.0004	0.0044	-4.726	8.282	49.95
RohnHa1	0.002364	0.03748	0.004232	-0.1481	0.0105	0.0026	-5.115	-8.827	30
RohnHa2	-0.001515	0.03577	-0.03096	-0.1204	0.0056	0.0026	-5.119	8.9	29.97
RohnIa1	0.003772	0.009744	0.0009494	-0.0795	0.0185	0.0010	-5.509	-9.538	10
RohnIa2	0.0011	0.001095	-0.01044	-0.0241	0.0136	0.0010	-5.511	9.549	9.99
SNB-Aa1	0.001793	1.173	-0.05221	-0.6485	-0.0011	0.0129	-1.263	-1.018	174.9
SNB-Aa2	0.001567	1.172	-0.1021	-0.6596	-0.0017	0.0130	-1.263	3.364	174.9
SNB-Ab1	0.002256	1.117	-0.04811	-0.6557	0.0016	0.0129	-1.361	-1.244	170
SNB-Ab2	0.001953	1.114	-0.1016	-0.6509	0.0031	0.0129	-1.362	3.476	169.9
SNB-Ac1	0.001787	1.06	-0.04401	-0.6468	0.0004	0.0128	-1.46	-1.473	165
SNB-Ac2	0.001346	1.058	-0.1011	-0.6529	-0.0024	0.0128	-1.461	3.591	164.9
SNB-Ba1	0.001722	0.9473	-0.0362	-0.6395	-0.0015	0.0127	-1.657	-1.926	155
SNB-Ba2	0.001214	0.9456	-0.09972	-0.6432	0.0009	0.0127	-1.658	3.819	154.9
SNB-Bb1	0.002194	0.8925	-0.03246	-0.6391	0.0049	0.0124	-1.755	-2.151	150
SNB-Bb2	0.00171	0.8889	-0.09895	-0.6339	0.0003	0.0125	-1.756	3.932	149.9
SNB-Bc1	0.001333	0.8363	-0.02873	-0.6238	0.0000	0.0123	-1.854	-2.378	145
SNB-Bc2	0.001187	0.8348	-0.09796	-0.6264	0.0001	0.0124	-1.854	4.049	144.9
SNB-Ca1	0.001952	0.7121	-0.02096	-0.6180	0.0090	0.0118	-2.083	-2.899	133.3
SNB-Ca2	0.0009335	0.7094	-0.09531	-0.5863	0.0113	0.0118	-2.084	4.321	133.2
SNB-Cb1	0.001741	0.6427	-0.01684	-0.5693	-0.0049	0.0115	-2.215	-3.196	126.6
SNB-Cb2	0.0006457	0.6405	-0.09307	-0.5973	-0.0098	0.0115	-2.216	4.479	126.6
SNB-Da1	0.001955	0.5133	-0.01065	-0.5394	0.0032	0.0105	-2.476	-3.779	113.3
SNB-Da2	0.0002564	0.5108	-0.08741	-0.5184	0.0110	0.0105	-2.478	4.804	113.3
SNB-Db1	0.002123	0.4539	-0.00834	-0.4855	-0.0025	0.0097	-2.608	-4.066	106.7
SNB-Db2	0.0004593	0.4505	-0.08344	-0.5072	-0.0095	0.0098	-2.609	4.971	106.6
SNB-Ea1	0.001982	0.3481	-0.004418	-0.4428	0.0098	0.0084	-2.87	-4.626	93.34
SNB-Ea2	0.0009498	0.3438	-0.0759	-0.4073	0.0123	0.0084	-2.871	5.317	93.26
SNB-Eb1	0.001227	0.2988	-0.002112	-0.3793	-0.0092	0.0079	-3.002	-4.903	86.66
SNB-Eb2	0.0002399	0.2969	-0.07201	-0.4172	-0.0124	0.0079	-3.003	5.498	86.59
SNB-Fa1	0.001442	0.1928	0.00135	-0.3054	-0.0060	0.0063	-3.329	-5.576	70
SNB-Fa2	-0.00222	0.1944	-0.06094	-0.3292	-0.0076	0.0062	-3.333	5.963	69.94
SNB-Ga1	0.0009573	0.09865	0.003079	-0.2202	-0.0018	0.0045	-3.723	-6.352	50
SNB-Ga2	-0.002129	0.1006	-0.0458	-0.2287	-0.0029	0.0044	-3.726	6.551	49.95
SNB-Ha1	0.00177	0.03692	0.002741	-0.1485	0.0092	0.0027	-4.115	-7.094	30
SNB-Ha2	-0.001667	0.03658	-0.02876	-0.1215	0.0066	0.0026	-4.119	7.168	29.97
SNB-Ia1	0.003711	0.008877	0.0006448	-0.0761	0.0170	0.0010	-4.507	-7.804	10
SNB-Ia2	0.0004167	0.001603	-0.01029	-0.0268	0.0118	0.0009	-4.51	7.814	9.99

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

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Force (kips)	Comp. 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	9.86	0.0	-1.95	0.0	19.63	0.0	0.0	22.05	0.0	0.71	0.0	4.0	0.0	0.03	0.0	0.0
SNB-JP	22.94	0.0	-3.19	0.0	19.42	0.0	0.0	30.22	0.0	-0.74	0.0	6.7	0.0	-0.03	0.0	0.0
RohnJ1	-12.85	0.0	-23.79	0.0	-210.29	0.0	0.0	212.02	0.0	6.17	0.0	-3.2	0.0	-0.01	0.0	0.0
RohnJ2	3.00	0.0	-6.68	0.0	249.14	0.0	0.0	249.24	0.0	-0.79	0.0	-0.6	0.0	-0.01	0.0	0.0
SNB-J1	-24.36	0.0	-45.27	0.0	-257.54	0.0	0.0	262.62	0.0	11.15	0.0	-6.8	0.0	0.01	0.0	0.0
SNB-J2	1.42	0.0	-5.65	0.0	296.07	0.0	0.0	296.13	0.0	-0.71	0.0	0.1	0.0	0.02	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	1.3800	-0.5168	-0.0000	-1.3800	0.5168	-0.0008	1.2335	-0.0825
RohnBP	0.0000	1.4777	-0.7107	-0.0000	-1.4777	0.7107	-0.0015	1.0063	-0.0732
RohnCP	0.0000	0.7156	-0.5960	0.0000	-0.7156	0.5960	-0.0025	0.7844	-0.0639
RohnDP	0.0000	1.3577	-1.5259	0.0000	-1.3577	1.5259	-0.0034	0.5767	-0.0546
RohnEP	0.0000	0.5735	-0.8302	0.0000	-0.5735	0.8302	-0.0034	0.3982	-0.0451
RohnFP	0.0000	0.7246	-1.1116	0.0000	-0.7246	1.1116	-0.0058	0.2532	-0.0361
RohnGP	0.0000	0.6873	-1.3426	0.0000	-0.6873	1.3426	-0.0077	0.1422	-0.0269
RohnHP	0.0000	0.6489	-1.4805	0.0000	-0.6489	1.4805	-0.0078	0.0636	-0.0180
RohnIP	0.0000	0.7154	-1.7490	0.0000	-0.7154	1.7490	-0.0060	0.0169	-0.0090
RohnJP	0.0000	0.3798	-0.9701	-9.8604	1.5658	-18.6613	0.0000	0.0000	0.0000
SNB-AP	0.0000	0.1463	-0.1352	-0.0000	-0.1463	0.1352	0.0000	1.2302	-0.0795
SNB-BP	0.0000	0.3457	-0.3359	-0.0000	-0.3457	0.3359	-0.0007	1.0028	-0.0704
SNB-CP	0.0000	0.4780	-0.5256	0.0000	-0.4780	0.5256	-0.0017	0.7814	-0.0612
SNB-DP	0.0000	0.5620	-0.6860	-0.0000	-0.5620	0.6860	-0.0026	0.5750	-0.0522
SNB-EP	0.0000	0.5735	-0.8302	0.0000	-0.5735	0.8302	-0.0027	0.3964	-0.0431
SNB-FP	0.0000	0.6409	-1.0901	0.0000	-0.6409	1.0901	-0.0050	0.2526	-0.0345
SNB-GP	0.0000	0.6873	-1.3426	0.0000	-0.6873	1.3426	-0.0069	0.1415	-0.0259
SNB-HP	0.0000	0.6489	-1.4805	0.0000	-0.6489	1.4805	-0.0070	0.0632	-0.0174
SNB-IP	0.0000	0.6921	-1.7290	0.0000	-0.6921	1.7290	-0.0053	0.0163	-0.0088
SNB-JP	0.0000	0.3798	-0.9701	-22.9368	2.8116	-18.4470	0.0000	0.0000	0.0000
RohnA1	0.0000	1.5593	-0.5676	0.0000	-1.5593	0.5676	0.0054	1.2307	-0.0403
RohnA2	0.0000	1.8067	-0.7497	0.0000	-1.8067	0.7497	-0.0000	1.2263	-0.1244
RohnB1	0.0000	0.6389	-0.4807	0.0000	-0.6389	0.4807	0.0054	1.0034	-0.0248
RohnB2	0.0000	0.6207	-0.4207	0.0000	-0.6207	0.4207	-0.0005	0.9983	-0.1212
RohnC1	0.0000	0.8279	-0.9160	0.0000	-0.8279	0.9160	0.0048	0.7835	-0.0114
RohnC2	0.0000	0.7156	-0.5960	0.0000	-0.7156	0.5960	0.0002	0.7772	-0.1160
RohnD1	0.0000	1.3577	-1.5259	0.0000	-1.3577	1.5259	0.0046	0.5779	-0.0004
RohnD2	0.0000	1.3577	-1.5259	0.0000	-1.3577	1.5259	0.0005	0.5705	-0.1085
RohnE1	0.0000	0.5735	-0.8302	0.0000	-0.5735	0.8302	0.0039	0.3996	0.0042
RohnE2	0.0000	0.5735	-0.8302	0.0000	-0.5735	0.8302	0.0007	0.3927	-0.0942
RohnF1	0.0000	0.8204	-1.1611	0.0000	-0.8204	1.1611	0.0048	0.2579	0.0073
RohnF2	0.0000	0.7246	-1.1116	0.0000	-0.7246	1.1116	0.0015	0.2473	-0.0792
RohnG1	0.0000	0.7149	-1.3626	0.0000	-0.7149	1.3626	0.0054	0.1489	0.0061
RohnG2	0.0000	0.7149	-1.3626	0.0000	-0.7149	1.3626	0.0026	0.1353	-0.0598
RohnH1	0.0000	0.6489	-1.4805	0.0000	-0.6489	1.4805	0.0052	0.0708	0.0055
RohnH2	0.0000	0.6489	-1.4805	-0.0000	-0.6489	1.4805	0.0028	0.0572	-0.0415
RohnI1	0.0000	0.6921	-1.7290	0.0000	-0.6921	1.7290	0.0037	0.0224	0.0020
RohnI2	0.0000	0.6921	-1.7290	-0.0000	-0.6921	1.7290	0.0024	0.0119	-0.0200
RohnJ1	0.0000	0.3798	-0.9701	12.8502	23.4081	211.2576	0.0000	0.0000	0.0000
RohnJ2	0.0000	0.3798	-0.9701	-2.9987	6.3007	-248.1649	0.0000	0.0000	0.0000
SNB-A1	0.0000	0.1463	-0.1352	-0.0000	-0.1463	0.1352	0.0023	1.2315	-0.0565
SNB-A2	0.0000	0.1463	-0.1352	-0.0000	-0.1463	0.1352	0.0021	1.2286	-0.1025
SNB-B1	0.0000	0.3457	-0.3359	-0.0000	-0.3457	0.3359	0.0022	1.0043	-0.0402
SNB-B2	0.0000	0.3457	-0.3359	-0.0000	-0.3457	0.3359	0.0020	1.0008	-0.1004
SNB-C1	0.0000	0.4780	-0.5256	-0.0000	-0.4780	0.5256	0.0024	0.7840	-0.0253
SNB-C2	0.0000	0.4780	-0.5256	-0.0000	-0.4780	0.5256	0.0018	0.7792	-0.0969
SNB-D1	0.0000	0.5620	-0.6860	-0.0000	-0.5620	0.6860	0.0025	0.5782	-0.0135
SNB-D2	0.0000	0.5620	-0.6860	-0.0000	-0.5619	0.6860	0.0019	0.5723	-0.0907
SNB-E1	0.0000	0.5735	-0.8302	-0.0000	-0.5735	0.8302	0.0023	0.3996	-0.0069
SNB-E2	0.0000	0.5735	-0.8302	-0.0000	-0.5735	0.8302	0.0015	0.3941	-0.0791
SNB-F1	0.0000	0.6409	-1.0901	-0.0000	-0.6409	1.0901	0.0033	0.2578	-0.0008

SNB-F2	0.0000	0.6409	-1.0901	-0.0000	-0.6409	1.0901	0.0023	0.2487	-0.0682
SNB-G1	0.0000	0.6873	-1.3426	-0.0000	-0.6873	1.3426	0.0043	0.1486	0.0018
SNB-G2	0.0000	0.6873	-1.3426	-0.0000	-0.6873	1.3426	0.0030	0.1364	-0.0536
SNB-H1	0.0000	0.6489	-1.4805	-0.0000	-0.6489	1.4805	0.0043	0.0704	0.0031
SNB-H2	0.0000	0.6489	-1.4805	-0.0000	-0.6489	1.4805	0.0029	0.0581	-0.0378
SNB-I1	0.0000	0.6921	-1.7290	-0.0000	-0.6921	1.7290	0.0032	0.0218	0.0016
SNB-I2	0.0000	0.6921	-1.7290	-0.0000	-0.6921	1.7290	0.0021	0.0127	-0.0191
SNB-J1	0.0000	0.3798	-0.9701	24.3626	44.8910	258.5093	0.0000	0.0000	0.0000
SNB-J2	0.0000	0.3798	-0.9701	-1.4168	5.2744	-295.1011	0.0000	0.0000	0.0000
RohnAaS	0.0000	1.2463	-0.3652	0.0000	-1.2463	0.3652	0.0002	1.1770	-0.0802
RohnAbS	0.0000	0.1982	-0.1602	-0.0000	-0.1982	0.1602	-0.0010	1.1192	-0.0779
RohnAcS	0.0000	0.1647	-0.1552	0.0000	-0.1647	0.1552	-0.0001	1.0622	-0.0755
RohnBaS	0.0000	0.1994	-0.2007	0.0000	-0.1994	0.2007	-0.0005	0.9494	-0.0709
RohnBbS	0.0000	1.8582	-1.1757	-0.0000	-1.8582	1.1757	-0.0017	0.8946	-0.0686
RohnBcS	0.0000	0.3377	-0.4457	-0.0000	-0.3377	0.4457	-0.0005	0.8374	-0.0662
RohnCaS	0.0000	2.2791	-1.2307	-0.0000	-2.2791	1.2307	-0.0014	0.7141	-0.0608
RohnCbS	0.0000	0.2785	-0.3250	0.0000	-0.2785	0.3250	-0.0012	0.6428	-0.0576
RohnDaS	0.0000	0.4123	-0.6061	-0.0000	-0.4123	0.6061	-0.0015	0.5135	-0.0514
RohnDbS	0.0000	0.2834	-0.3611	0.0000	-0.2834	0.3611	-0.0021	0.4526	-0.0482
RohnEaS	0.0000	0.2901	-0.4692	-0.0000	-0.2901	0.4692	-0.0028	0.3463	-0.0421
RohnEbS	0.0000	0.3360	-0.5442	0.0000	-0.3360	0.5442	-0.0015	0.2984	-0.0389
RohnFaS	0.0000	0.3508	-0.6209	-0.0000	-0.3508	0.6209	0.0004	0.1909	-0.0311
RohnGaS	0.0000	0.3366	-0.7217	-0.0000	-0.3366	0.7217	0.0005	0.0982	-0.0222
RohnHaS	0.0000	0.3123	-0.7589	0.0000	-0.3123	0.7589	-0.0009	0.0345	-0.0134
RohnIaS	0.0000	0.3798	-0.9701	0.0000	-0.3798	0.9701	-0.0049	0.0035	-0.0048
SNB-AaS	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	0.0010	1.1731	-0.0772
SNB-AbS	0.0000	0.1463	-0.1352	-0.0000	-0.1463	0.1352	-0.0002	1.1160	-0.0749
SNB-AcS	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	0.0007	1.0590	-0.0726
SNB-BaS	0.0000	0.1994	-0.2007	0.0000	-0.1994	0.2007	0.0003	0.9464	-0.0680
SNB-BbS	0.0000	0.1994	-0.2007	-0.0000	-0.1994	0.2007	-0.0009	0.8906	-0.0658
SNB-BcS	0.0000	0.1994	-0.2007	-0.0000	-0.1994	0.2007	0.0003	0.8358	-0.0634
SNB-CaS	0.0000	0.2785	-0.3250	-0.0000	-0.2785	0.3250	-0.0006	0.7102	-0.0582
SNB-CbS	0.0000	0.2785	-0.3250	0.0000	-0.2785	0.3250	-0.0004	0.6410	-0.0550
SNB-DaS	0.0000	0.2834	-0.3611	-0.0000	-0.2834	0.3611	-0.0007	0.5109	-0.0491
SNB-DbS	0.0000	0.2834	-0.3611	0.0000	-0.2834	0.3611	-0.0013	0.4510	-0.0460
SNB-EaS	0.0000	0.2901	-0.4692	-0.0000	-0.2901	0.4692	-0.0020	0.3452	-0.0402
SNB-EbS	0.0000	0.2901	-0.4692	0.0000	-0.2901	0.4692	-0.0007	0.2972	-0.0371
SNB-FaS	0.0000	0.3508	-0.6209	-0.0000	-0.3508	0.6209	0.0012	0.1906	-0.0298
SNB-GaS	0.0000	0.3366	-0.7217	0.0000	-0.3366	0.7217	0.0013	0.0971	-0.0214
SNB-HaS	0.0000	0.3123	-0.7589	-0.0000	-0.3123	0.7589	-0.0001	0.0338	-0.0130
SNB-IaS	0.0000	0.3798	-0.9701	0.0000	-0.3798	0.9701	-0.0042	0.0024	-0.0048
SNB-WL-A1S	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	0.0013	1.2301	-0.1154
SNB-WL-A2S	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	0.0020	1.2295	-0.1278
SNB-WL-A3S	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	0.0012	1.2291	-0.1385
SNB-WL-B1S	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	0.0009	1.0027	-0.1117
SNB-WL-B2S	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	0.0018	1.0019	-0.1286
SNB-WL-B3S	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	0.0008	1.0014	-0.1435
SNB-WL-C1S	0.0000	0.1994	-0.2007	0.0000	-0.1994	0.2007	0.0005	0.7815	-0.1326
SNB-WL-C2S	0.0000	0.1994	-0.2007	0.0000	-0.1994	0.2007	0.0016	0.7807	-0.1435
SNB-WL-C3S	0.0000	0.1994	-0.2007	-0.0000	-0.1994	0.2007	0.0004	0.7801	-0.1541
SNB-WL-D1S	0.0000	0.2785	-0.3250	-0.0000	-0.2785	0.3250	0.0001	0.5752	-0.1444
SNB-WL-D2S	0.0000	0.2785	-0.3250	0.0000	-0.2785	0.3250	0.0015	0.5743	-0.1571
SNB-WL-D3S	0.0000	0.2785	-0.3250	-0.0000	-0.2785	0.3250	0.0001	0.5735	-0.1703
SNB-WL-E1S	0.0000	0.2834	-0.3611	-0.0000	-0.2834	0.3611	-0.0002	0.3971	-0.1348
SNB-WL-E2S	0.0000	0.2834	-0.3611	0.0000	-0.2834	0.3611	0.0014	0.3961	-0.1395
SNB-WL-E3S	0.0000	0.2834	-0.3611	-0.0000	-0.2834	0.3611	-0.0002	0.3953	-0.1454
SNB-WL-F1S	0.0000	0.2901	-0.4692	-0.0000	-0.2901	0.4692	-0.0004	0.2533	-0.1973
SNB-WL-F2S	0.0000	0.2901	-0.4692	0.0000	-0.2901	0.4692	0.0014	0.2522	-0.2021
SNB-WL-F3S	0.0000	0.2901	-0.4692	-0.0000	-0.2901	0.4692	-0.0004	0.2512	-0.2074
SNB-WL-G1S	0.0000	0.3508	-0.6209	-0.0000	-0.3508	0.6209	-0.0006	0.1428	-0.2464
SNB-WL-G2S	0.0000	0.3508	-0.6209	0.0000	-0.3508	0.6209	0.0015	0.1415	-0.2450
SNB-WL-G3S	0.0000	0.3508	-0.6209	-0.0000	-0.3508	0.6209	-0.0006	0.1404	-0.2447
SNB-WL-H1S	0.0000	0.3366	-0.7217	-0.0000	-0.3366	0.7217	-0.0008	0.0650	-0.2522
SNB-WL-H2S	0.0000	0.3366	-0.7217	0.0000	-0.3366	0.7217	0.0015	0.0636	-0.2461
SNB-WL-H3S	0.0000	0.3366	-0.7217	-0.0000	-0.3366	0.7217	-0.0007	0.0623	-0.2411
SNB-WL-I1S	0.0000	0.3123	-0.7589	-0.0000	-0.3123	0.7589	-0.0009	0.0185	-0.2047

SNB-WL-I2S	0.0000	0.3123	-0.7589	0.0000	-0.3123	0.7589	0.0017	0.0170	-0.1927
SNB-WL-I3S	0.0000	0.3123	-0.7589	-0.0000	-0.3123	0.7589	-0.0008	0.0156	-0.1820
RohnAa1	0.0000	0.3910	-0.2050	0.0000	-0.3910	0.2050	0.0049	1.1726	-0.0361
RohnAa2	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	-0.0008	1.1701	-0.1239
RohnAb1	0.0000	1.2223	-0.3552	0.0000	-1.2223	0.3552	0.0053	1.1167	-0.0322
RohnAb2	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	-0.0007	1.1118	-0.1233
RohnAc1	0.0000	0.1463	-0.1352	0.0000	-0.1463	0.1352	0.0052	1.0587	-0.0283
RohnAc2	0.0000	0.4597	-0.2277	0.0000	-0.4597	0.2277	-0.0011	1.0560	-0.1223
RohnBa1	0.0000	0.1994	-0.2007	0.0000	-0.1994	0.2007	0.0049	0.9464	-0.0211
RohnBa2	0.0000	0.1994	-0.2007	0.0000	-0.1994	0.2007	-0.0012	0.9432	-0.1202
RohnBb1	0.0000	1.8127	-1.1557	0.0000	-1.8127	1.1557	0.0047	0.8921	-0.0177
RohnBb2	0.0000	1.8127	-1.1557	0.0000	-1.8127	1.1557	0.0000	0.8869	-0.1191
RohnBc1	0.0000	0.1994	-0.2007	0.0000	-0.1994	0.2007	0.0045	0.8354	-0.0143
RohnBc2	0.0000	0.1994	-0.2007	0.0000	-0.1994	0.2007	-0.0012	0.8324	-0.1177
RohnCa1	0.0000	2.2791	-1.2307	0.0000	-2.2791	1.2307	0.0037	0.7121	-0.0073
RohnCa2	0.0000	2.4782	-1.3037	0.0000	-2.4782	1.3037	0.0001	0.7079	-0.1139
RohnCb1	0.0000	0.2785	-0.3250	0.0000	-0.2785	0.3250	0.0040	0.6424	-0.0035
RohnCb2	0.0000	0.2785	-0.3250	0.0000	-0.2785	0.3250	-0.0008	0.6386	-0.1114
RohnDa1	0.0000	0.2834	-0.3611	0.0000	-0.2834	0.3611	0.0036	0.5133	0.0018
RohnDa2	0.0000	0.2834	-0.3611	0.0000	-0.2834	0.3611	-0.0006	0.5093	-0.1043
RohnDb1	0.0000	0.2834	-0.3611	0.0000	-0.2834	0.3611	0.0040	0.4537	0.0033
RohnDb2	0.0000	0.2834	-0.3611	0.0000	-0.2834	0.3611	-0.0006	0.4489	-0.0994
RohnEa1	0.0000	0.2901	-0.4692	0.0000	-0.2901	0.4692	0.0038	0.3480	0.0056
RohnEa2	0.0000	0.2901	-0.4692	0.0000	-0.2901	0.4692	-0.0001	0.3422	-0.0895
RohnEb1	0.0000	0.2901	-0.4692	0.0000	-0.2901	0.4692	0.0027	0.2988	0.0068
RohnEb2	0.0000	0.2901	-0.4692	0.0000	-0.2901	0.4692	-0.0005	0.2955	-0.0844
RohnFa1	0.0000	0.3508	-0.6209	0.0000	-0.3508	0.6209	0.0029	0.1929	0.0076
RohnFa2	0.0000	0.3508	-0.6209	0.0000	-0.3508	0.6209	-0.0030	0.1930	-0.0697
RohnGa1	0.0000	0.3366	-0.7217	0.0000	-0.3366	0.7217	0.0017	0.0991	0.0065
RohnGa2	0.0000	0.3366	-0.7217	0.0000	-0.3366	0.7217	-0.0021	0.0997	-0.0507
RohnHa1	0.0000	0.3123	-0.7589	0.0000	-0.3123	0.7589	0.0024	0.0375	0.0042
RohnHa2	0.0000	0.3123	-0.7589	0.0000	-0.3123	0.7589	-0.0015	0.0358	-0.0310
RohnIa1	0.0000	0.3798	-0.9701	0.0000	-0.3798	0.9701	0.0038	0.0097	0.0009
RohnIa2	0.0000	0.3798	-0.9701	0.0000	-0.3798	0.9701	0.0011	0.0011	-0.0104
SNB-Aa1	0.0000	0.1463	-0.1352	-0.0000	-0.1463	0.1352	0.0018	1.1734	-0.0522
SNB-Aa2	0.0000	0.1463	-0.1352	-0.0000	-0.1463	0.1352	0.0016	1.1725	-0.1021
SNB-Ab1	0.0000	0.1463	-0.1352	-0.0000	-0.1463	0.1352	0.0023	1.1175	-0.0481
SNB-Ab2	0.0000	0.1463	-0.1352	-0.0000	-0.1463	0.1352	0.0020	1.1143	-0.1016
SNB-Ac1	0.0000	0.1463	-0.1352	-0.0000	-0.1463	0.1352	0.0018	1.0596	-0.0440
SNB-Ac2	0.0000	0.1463	-0.1352	-0.0000	-0.1463	0.1352	0.0013	1.0584	-0.1011
SNB-Ba1	0.0000	0.1994	-0.2007	-0.0000	-0.1994	0.2007	0.0017	0.9473	-0.0362
SNB-Ba2	0.0000	0.1994	-0.2007	-0.0000	-0.1994	0.2007	0.0012	0.9456	-0.0997
SNB-Bb1	0.0000	0.1994	-0.2007	-0.0000	-0.1994	0.2007	0.0022	0.8925	-0.0325
SNB-Bb2	0.0000	0.1994	-0.2007	-0.0000	-0.1994	0.2007	0.0017	0.8889	-0.0990
SNB-Bc1	0.0000	0.1994	-0.2007	-0.0000	-0.1994	0.2007	0.0013	0.8363	-0.0287
SNB-Bc2	0.0000	0.1994	-0.2007	-0.0000	-0.1994	0.2007	0.0012	0.8348	-0.0980
SNB-Ca1	0.0000	0.2785	-0.3250	-0.0000	-0.2785	0.3250	0.0020	0.7121	-0.0210
SNB-Ca2	0.0000	0.2785	-0.3250	-0.0000	-0.2785	0.3250	0.0009	0.7094	-0.0953
SNB-Cb1	0.0000	0.2785	-0.3250	-0.0000	-0.2785	0.3250	0.0017	0.6427	-0.0168
SNB-Cb2	0.0000	0.2785	-0.3250	-0.0000	-0.2785	0.3250	0.0006	0.6405	-0.0931
SNB-Da1	0.0000	0.2834	-0.3611	-0.0000	-0.2834	0.3611	0.0020	0.5133	-0.0106
SNB-Da2	0.0000	0.2834	-0.3611	-0.0000	-0.2834	0.3611	0.0003	0.5108	-0.0874
SNB-Db1	0.0000	0.2834	-0.3611	-0.0000	-0.2834	0.3611	0.0021	0.4539	-0.0083
SNB-Db2	0.0000	0.2834	-0.3611	-0.0000	-0.2834	0.3611	0.0005	0.4505	-0.0834
SNB-Ea1	0.0000	0.2901	-0.4692	-0.0000	-0.2901	0.4692	0.0020	0.3481	-0.0044
SNB-Ea2	0.0000	0.2901	-0.4692	-0.0000	-0.2901	0.4692	0.0009	0.3438	-0.0759
SNB-Eb1	0.0000	0.2901	-0.4692	-0.0000	-0.2901	0.4692	0.0012	0.2988	-0.0021
SNB-Eb2	0.0000	0.2901	-0.4692	-0.0000	-0.2901	0.4692	0.0002	0.2969	-0.0720
SNB-Fa1	0.0000	0.3508	-0.6209	-0.0000	-0.3508	0.6209	0.0014	0.1928	0.0013
SNB-Fa2	0.0000	0.3508	-0.6209	-0.0000	-0.3508	0.6209	-0.0022	0.1944	-0.0609
SNB-Ga1	0.0000	0.3366	-0.7217	-0.0000	-0.3366	0.7217	0.0010	0.0986	0.0031
SNB-Ga2	0.0000	0.3366	-0.7217	0.0000	-0.3366	0.7217	-0.0021	0.1006	-0.0458
SNB-Ha1	0.0000	0.3123	-0.7589	-0.0000	-0.3123	0.7589	0.0018	0.0369	0.0027
SNB-Ha2	0.0000	0.3123	-0.7589	0.0000	-0.3123	0.7589	-0.0017	0.0366	-0.0288
SNB-Ia1	0.0000	0.3798	-0.9701	0.0000	-0.3798	0.9701	0.0037	0.0089	0.0006
SNB-Ia2	0.0000	0.3798	-0.9701	0.0000	-0.3798	0.9701	0.0004	0.0016	-0.0103

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	-0.00	-0.00	0.00	62.20	-139.08	12.43	-27.80
Rohn-LA11	0.00	-0.00	-0.00	-145.63	49.28	-29.11	9.85
Rohn-LA12	0.00	-0.00	-0.00	138.57	56.41	27.70	11.28
Rohn-LA2P	-0.01	-62.20	139.08	-28.91	177.25	-18.22	63.24
Rohn-LA21	0.00	145.63	-49.28	190.97	-46.60	67.29	-19.17
Rohn-LA22	-0.00	-138.57	-56.41	-192.73	-64.69	-66.24	-24.21
Rohn-LA3P	-0.02	28.91	-177.25	-81.43	-209.46	-10.50	-77.31
Rohn-LA31	0.00	-190.97	46.60	-237.41	48.67	-85.63	19.04
Rohn-LA32	0.01	192.73	64.69	195.16	100.94	77.56	33.12
Rohn-LA4P	-0.01	81.43	209.46	150.48	274.50	46.36	96.76
Rohn-LA41	-0.01	237.41	-48.67	259.26	-73.10	99.28	-24.34
Rohn-LA42	0.01	-195.16	-100.94	-261.43	-165.92	-91.30	-53.36
Rohn-LB1P	-0.02	-150.48	-274.50	-368.79	-397.88	-103.82	-134.42
Rohn-LB11	0.01	-259.27	73.10	-448.15	47.13	-141.41	24.03
Rohn-LB12	0.02	261.43	165.92	257.84	342.44	103.83	101.64
Rohn-LB2P	-0.01	368.79	397.88	473.37	463.23	168.37	172.16
Rohn-LB21	0.01	448.15	-47.13	500.32	-24.76	189.60	-14.37
Rohn-LB22	0.00	-257.84	-342.44	-307.34	-435.66	-113.01	-155.58
Rohn-LB3P	-0.00	-473.37	-463.23	-550.35	-538.17	-204.67	-200.21
Rohn-LB31	-0.02	-500.32	24.76	-687.58	101.88	-237.45	25.31
Rohn-LB32	0.01	307.33	435.67	254.89	428.38	112.42	172.78
Rohn-LB4P	0.11	550.34	538.18	86.52	488.78	127.33	205.32
Rohn-LB41	-0.05	687.58	-101.88	425.62	-199.74	222.51	-60.29
Rohn-LB42	-0.06	-254.90	-428.38	-443.79	-265.84	-139.72	-138.83
Rohn-LC1P	0.05	-86.52	-488.78	187.71	-113.92	15.19	-90.46
Rohn-LC11	-0.02	-425.62	199.74	-161.27	186.33	-88.07	57.94
Rohn-LC12	-0.02	443.78	265.84	71.84	-103.70	77.41	24.34
Rohn-LC2P	0.06	-187.71	113.92	-501.95	-373.99	-103.21	-38.92
Rohn-LC21	-0.04	161.27	-186.33	-536.44	45.73	-56.13	-21.04
Rohn-LC22	-0.01	-71.84	103.70	82.61	352.69	1.61	68.32
Rohn-LC3P	0.15	501.95	373.99	-161.61	651.64	51.08	153.94
Rohn-LC31	-0.05	536.44	-45.73	287.41	-248.98	123.62	-44.22
Rohn-LC32	-0.10	-82.62	-352.69	-827.34	-411.79	-136.63	-114.78
Rohn-LD1P	-0.03	161.60	-651.64	-82.99	-456.46	11.80	-166.32
Rohn-LD11	0.02	-287.41	248.98	-606.97	267.94	-134.18	77.55
Rohn-LD12	0.02	827.33	411.80	191.16	187.20	152.95	89.95
Rohn-LD2P	0.11	82.98	456.46	-755.75	-28.49	-100.68	64.05
Rohn-LD21	-0.07	606.97	-267.93	-439.09	-151.82	25.11	-62.78
Rohn-LD22	-0.03	-191.17	-187.20	-411.57	195.19	-90.25	1.20
Rohn-LD3P	0.05	755.75	28.49	8.28	191.05	114.68	32.95
Rohn-LD31	0.02	439.09	151.82	-229.07	117.20	31.50	40.36
Rohn-LD32	-0.07	411.57	-195.20	-530.35	-320.98	-17.84	-77.52
Rohn-LE1P	-0.02	-8.29	-191.05	-625.60	454.70	-95.14	39.57
Rohn-LE11	-0.02	229.07	-117.20	47.61	-374.36	41.51	-73.75
Rohn-LE12	0.05	530.34	320.98	-759.10	-67.73	-34.35	38.03
Rohn-LE2P	-0.25	625.60	-454.70	-211.65	-1605.85	61.95	-308.36
Rohn-LE21	0.13	-47.61	374.36	-1673.39	833.74	-257.41	180.70
Rohn-LE22	0.12	759.10	67.72	1107.40	769.86	279.47	125.41
Rohn-LE3P	0.19	211.64	1605.86	-172.42	2416.33	5.89	603.72
Rohn-LE31	-0.09	1673.40	-833.71	1528.11	-977.10	480.26	-271.64
Rohn-LE32	-0.10	-1107.42	-769.84	-2628.37	-1451.76	-561.06	-333.65
Rohn-LF1P	-0.92	172.42	-2416.33	-1325.81	-2880.51	-115.30	-529.51
Rohn-LF11	0.35	-1528.10	977.12	-3033.47	1013.11	-455.70	198.83
Rohn-LF12	0.56	2628.33	1451.82	1905.80	1905.35	453.57	335.83
Rohn-LF2P	1.11	1325.81	2880.51	115.80	3539.92	144.11	641.83
Rohn-LF21	-0.43	3033.48	-1013.07	2388.60	-1350.05	541.63	-236.06
Rohn-LF22	-0.69	-1905.87	-1905.28	-3671.65	-2235.39	-557.98	-414.24
Rohn-LG1P	-0.74	-115.80	-3539.91	-1294.94	-4086.44	-141.03	-762.38
Rohn-LG11	0.28	-2388.57	1350.09	-4121.10	1680.90	-650.37	302.82

Rohn-LG12	0.48	3671.57	2235.52	2873.25	2463.52	654.64	470.02
Rohn-LG2P	0.95	1294.94	4086.44	-31.97	3859.19	126.26	794.30
Rohn-LG21	-0.37	4121.14	-1680.80	2502.01	-1509.96	661.68	-318.77
Rohn-LG22	-0.58	-2873.34	-2463.43	-4091.61	-2406.66	-696.70	-487.15
Rohn-LH1P	-1.13	31.97	-3859.19	-1608.06	-3093.62	-157.55	-695.04
Rohn-LH11	0.42	-2501.97	1510.02	-3243.81	1000.47	-573.99	250.79
Rohn-LH12	0.73	4091.52	2406.80	2022.78	2159.45	611.64	456.78
Rohn-LH2P	0.48	1608.06	3093.62	218.43	1988.39	182.59	508.04
Rohn-LH21	-0.07	3243.82	-1000.42	595.89	-279.04	383.57	-127.81
Rohn-LH22	-0.42	-2022.85	-2159.39	-2745.13	-1780.63	-476.99	-394.16
Rohn-LI1P	-0.49	-218.43	-1988.39	-2913.31	1665.09	-313.06	-32.32
Rohn-LI11	0.07	-595.88	279.05	486.04	-1918.72	-10.97	-163.82
Rohn-LI12	0.45	2745.09	1780.68	-2506.89	348.65	23.83	212.98
Rohn-LI2P	-1.02	2913.31	-1665.09	-705.89	-3958.31	220.67	-562.16
Rohn-LI21	0.82	-486.01	1918.73	-6170.86	3240.85	-665.08	515.49
Rohn-LI22	0.16	2506.89	-348.65	785.77	627.20	329.35	27.86
SNB-LA1P	-0.00	-0.00	0.00	-2.32	-189.34	-0.46	-37.85
SNB-LA11	0.00	-0.00	-0.00	-186.00	87.12	-37.19	17.42
SNB-LA12	0.00	-0.00	-0.00	182.37	87.62	36.46	17.52
SNB-LA2P	-0.00	2.31	189.34	9.38	241.83	2.34	86.20
SNB-LA21	0.00	186.00	-87.12	235.90	-106.08	84.35	-38.62
SNB-LA22	0.00	-182.37	-87.62	-243.50	-121.19	-85.14	-41.75
SNB-LA3P	-0.01	-9.38	-241.82	-59.84	-288.18	-13.84	-105.96
SNB-LA31	0.00	-235.90	106.07	-298.12	114.76	-106.76	44.15
SNB-LA32	0.01	243.49	121.19	257.47	159.72	100.16	56.16
SNB-LA4P	0.01	59.84	288.19	45.89	386.83	21.14	134.95
SNB-LA41	-0.00	298.12	-114.76	338.02	-149.71	127.17	-52.87
SNB-LA42	-0.00	-257.48	-159.72	-376.53	-222.26	-126.76	-76.37
SNB-LB1P	0.00	-45.89	-386.82	-75.44	-602.29	-24.26	-197.75
SNB-LB11	-0.00	-338.02	149.71	-565.88	270.12	-180.70	83.93
SNB-LB12	0.00	376.53	222.27	504.36	321.11	176.12	108.64
SNB-LB2P	0.04	75.43	602.30	-117.69	699.94	-8.45	260.35
SNB-LB21	-0.02	565.88	-270.12	558.46	-383.23	224.76	-130.61
SNB-LB22	-0.02	-504.37	-321.11	-667.56	-310.38	-234.31	-126.26
SNB-LB3P	-0.03	117.69	-699.93	-9.81	-780.43	21.57	-295.96
SNB-LB31	0.02	-558.46	383.23	-827.00	469.90	-276.96	170.54
SNB-LB32	0.01	667.55	310.38	535.43	313.10	240.53	124.66
SNB-LB4P	0.03	9.80	780.44	-105.08	560.98	-19.05	268.18
SNB-LB41	-0.02	827.00	-469.90	438.61	-312.52	252.99	-156.40
SNB-LB42	-0.01	-535.44	-313.10	-542.79	-251.70	-215.59	-112.93
SNB-LC1P	-0.03	105.08	-560.98	-87.84	-131.87	2.59	-103.99
SNB-LC11	0.01	-438.61	312.52	-224.37	75.13	-99.49	58.17
SNB-LC12	0.01	542.78	251.70	18.11	57.48	84.20	46.41
SNB-LC2P	0.00	87.84	131.88	-243.05	-323.23	-23.23	-28.63
SNB-LC21	-0.00	224.37	-75.14	-416.96	108.50	-28.81	4.99
SNB-LC22	0.00	-18.12	-57.48	127.21	221.49	16.33	24.55
SNB-LC3P	0.07	243.05	323.23	-13.59	608.93	34.44	139.91
SNB-LC31	-0.02	416.96	-108.50	297.47	-187.75	107.20	-44.45
SNB-LC32	-0.05	-127.22	-221.49	-744.36	-428.70	-130.85	-97.62
SNB-LD1P	-0.08	13.59	-608.93	-477.89	-463.91	-69.69	-161.03
SNB-LD11	0.03	-297.47	187.75	-727.81	144.21	-153.83	49.81
SNB-LD12	0.06	744.35	428.71	80.88	321.95	123.91	112.71
SNB-LD2P	0.05	477.88	463.92	-457.43	-54.46	3.06	61.28
SNB-LD21	-0.02	727.81	-144.21	-381.82	-26.93	51.76	-25.60
SNB-LD22	-0.03	-80.89	-321.95	-313.38	100.82	-59.03	-33.11
SNB-LD3P	0.04	457.42	54.46	-391.44	272.51	9.90	49.08
SNB-LD31	0.00	381.82	26.92	-401.37	-19.11	-2.93	1.17
SNB-LD32	-0.05	313.38	-100.82	-828.29	-280.99	-77.33	-57.34
SNB-LE1P	0.04	391.44	-272.50	-764.96	930.83	-56.06	98.81
SNB-LE11	-0.03	401.37	19.10	149.26	-505.95	82.62	-73.05
SNB-LE12	0.00	828.28	281.00	-1496.69	-400.02	-100.35	-17.87
SNB-LE2P	-0.34	764.95	-930.82	-884.10	-3159.49	-17.83	-612.11
SNB-LE21	0.16	-149.26	505.95	-3448.40	1494.44	-538.19	299.25
SNB-LE22	0.18	1496.68	400.02	2008.34	1683.92	524.71	311.97
SNB-LE3P	0.49	884.10	3159.49	-139.80	4292.31	111.71	1118.46
SNB-LE31	-0.21	3448.42	-1494.39	2734.84	-1697.93	927.68	-478.95

SNB-LE32	-0.29	-2008.37	-1683.89	-4635.93	-2636.78	-997.67	-648.77
SNB-LF1P	-1.48	139.80	-4292.31	-1945.27	-4760.33	-180.48	-904.95
SNB-LF11	0.57	-2734.81	1697.97	-4829.76	1721.54	-755.84	341.68
SNB-LF12	0.93	4635.85	2636.91	3330.50	3103.33	796.72	574.09
SNB-LF2P	1.87	1945.27	4760.33	257.57	6340.06	220.21	1109.64
SNB-LF21	-0.71	4829.79	-1721.47	4274.75	-2392.42	909.65	-411.03
SNB-LF22	-1.18	-3330.61	-3103.22	-6581.05	-4024.47	-991.31	-712.88
SNB-LG1P	-1.52	-257.58	-6340.06	-3532.07	-9049.24	-378.83	-1538.37
SNB-LG11	0.57	-4274.70	2392.51	-9433.78	3521.51	-1369.70	590.91
SNB-LG12	0.97	6580.91	4024.69	6056.88	5651.46	1263.92	967.72
SNB-LG2P	2.14	3532.07	9049.24	452.31	8891.04	398.30	1793.40
SNB-LG21	-0.79	9433.86	-3521.30	5887.06	-3257.62	1530.77	-677.30
SNB-LG22	-1.39	-6057.08	-5651.25	-9307.46	-5757.68	-1536.71	-1141.09
SNB-LH1P	-2.59	-452.31	-8891.04	-4150.53	-7192.26	-460.11	-1607.74
SNB-LH11	0.94	-5887.00	3257.74	-7690.71	2171.49	-1356.51	542.42
SNB-LH12	1.68	9307.26	5757.99	4562.44	5160.26	1387.24	1092.04
SNB-LH2P	0.89	4150.53	7192.26	1083.25	4614.03	523.21	1180.24
SNB-LH21	0.01	7690.74	-2171.39	1594.52	-424.53	927.66	-259.35
SNB-LH22	-0.94	-4562.59	-5160.13	-6176.76	-4328.22	-1074.23	-949.10
SNB-LI1P	-1.47	-1083.25	-4614.03	-7748.50	2485.89	-882.83	-212.73
SNB-LI11	0.25	-1594.52	424.53	-201.53	-4229.78	-179.44	-380.18
SNB-LI12	1.23	6176.68	4328.33	-4707.71	1890.96	146.92	622.02
SNB-LI2P	-1.93	7748.50	-2485.89	736.31	-6746.67	848.22	-922.97
SNB-LI21	1.86	201.59	4229.78	-11144.23	6768.93	-1093.31	1098.91
SNB-LI22	0.03	4707.70	-1890.98	711.31	-137.96	542.04	-202.95

*** Analysis Results for Load Case No. 6 "DL + Ice Only" - Number of iterations in SAPS 11

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	-0.00125	-0.0006168	-0.0771	0.0004	-0.0211	0.0000	4.332	-0.0006168	179.9
RohnBP	-0.001839	-0.0004588	-0.06911	0.0004	-0.0080	0.0000	5.119	-0.0004588	159.9
RohnCP	-0.00278	-0.0003128	-0.06099	0.0004	0.0081	0.0000	5.906	-0.0003128	139.9
RohnDP	-0.003591	-0.0001985	-0.05276	0.0003	-0.0025	0.0000	6.691	-0.0001985	119.9
RohnEP	-0.003576	-0.0001197	-0.04406	0.0002	0.0043	0.0000	7.477	-0.0001197	99.96
RohnFP	-0.005836	-6.712e-005	-0.03552	0.0001	-0.0076	0.0000	8.262	-6.712e-005	79.96
RohnGP	-0.007684	-3.218e-005	-0.02669	0.0001	-0.0161	0.0000	9.047	-3.218e-005	59.97
RohnHP	-0.007806	-1.197e-005	-0.01797	0.0000	0.0083	0.0000	9.833	-1.197e-005	39.98
RohnIP	-0.006022	-1.966e-006	-0.009024	0.0000	0.0191	0.0000	10.62	-1.966e-006	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	-0.0004686	-0.0006175	-0.0741	0.0005	-0.0212	0.0000	2.333	-0.0006175	179.9
SNB-BP	-0.001058	-0.0004584	-0.06625	0.0004	-0.0092	0.0000	3.12	-0.0004584	159.9
SNB-CP	-0.001998	-0.0003135	-0.05832	0.0004	0.0146	0.0000	3.906	-0.0003135	139.9
SNB-DP	-0.00281	-0.0001987	-0.05031	0.0003	-0.0051	0.0000	4.692	-0.0001987	119.9
SNB-EP	-0.002795	-0.0001199	-0.04201	0.0002	0.0027	0.0000	5.478	-0.0001199	99.96
SNB-FP	-0.005056	-6.724e-005	-0.03399	0.0001	0.0008	0.0000	6.263	-6.724e-005	79.97
SNB-GP	-0.006905	-3.251e-005	-0.0257	0.0001	-0.0310	0.0000	7.048	-3.251e-005	59.97
SNB-HP	-0.007026	-1.205e-005	-0.01734	0.0000	0.0072	0.0000	7.834	-1.205e-005	39.98
SNB-IP	-0.005242	-2.159e-006	-0.008742	0.0000	0.0191	0.0000	8.623	-2.159e-006	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.002187	0.001368	-0.07704	-0.0186	0.0116	-0.0000	-2.164	-3.751	179.9
RohnA2	0.002188	-0.002602	-0.07699	0.0194	0.0117	0.0000	-2.164	3.75	179.9
RohnB1	0.00209	0.00181	-0.06903	-0.0071	0.0051	-0.0000	-2.558	-4.433	159.9
RohnB2	0.00209	-0.002727	-0.06896	0.0080	0.0051	0.0000	-2.558	4.432	159.9
RohnC1	0.002204	0.002568	-0.06093	0.0069	-0.0032	-0.0000	-2.952	-5.115	139.9
RohnC2	0.002204	-0.003194	-0.06085	-0.0061	-0.0032	0.0000	-2.952	5.114	139.9
RohnD1	0.00233	0.003219	-0.0527	-0.0023	0.0020	-0.0000	-3.345	-5.795	119.9
RohnD2	0.002332	-0.003618	-0.05264	0.0029	0.0020	0.0000	-3.345	5.794	119.9
RohnE1	0.002105	0.003161	-0.04401	0.0036	-0.0017	-0.0000	-3.738	-6.476	99.96
RohnE2	0.002106	-0.003401	-0.04397	-0.0033	-0.0017	0.0000	-3.738	6.475	99.96
RohnF1	0.003094	0.00509	-0.03548	-0.0067	0.0042	-0.0000	-4.131	-7.155	79.96
RohnF2	0.003095	-0.005226	-0.03545	0.0069	0.0041	0.0000	-4.131	7.155	79.96
RohnG1	0.003927	0.006673	-0.02667	-0.0140	0.0082	-0.0000	-4.524	-7.835	59.97
RohnG2	0.003928	-0.006738	-0.02665	0.0141	0.0082	0.0000	-4.524	7.835	59.97
RohnH1	0.003935	0.006767	-0.01796	0.0071	-0.0040	-0.0000	-4.917	-8.516	39.98
RohnH2	0.003936	-0.006792	-0.01795	-0.0070	-0.0040	0.0000	-4.917	8.516	39.98
RohnI1	0.003017	0.005217	-0.009017	0.0165	-0.0095	-0.0000	-5.312	-9.201	19.99
RohnI2	0.003017	-0.005221	-0.009011	-0.0165	-0.0095	0.0000	-5.312	9.201	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	0.001796	0.0006909	-0.07407	-0.0185	0.0117	-0.0000	-1.165	-2.02	179.9
SNB-A2	0.001796	-0.001925	-0.07404	0.0195	0.0117	0.0000	-1.165	2.019	179.9
SNB-B1	0.001699	0.001133	-0.06621	-0.0081	0.0057	-0.0000	-1.559	-2.702	159.9
SNB-B2	0.001699	-0.00205	-0.06617	0.0090	0.0057	0.0000	-1.559	2.701	159.9
SNB-C1	0.001815	0.001889	-0.05828	0.0125	-0.0064	-0.0000	-1.952	-3.383	139.9
SNB-C2	0.001815	-0.002516	-0.05824	-0.0118	-0.0064	0.0000	-1.952	3.382	139.9
SNB-D1	0.001938	0.002544	-0.05027	-0.0045	0.0033	-0.0000	-2.346	-4.063	119.9
SNB-D2	0.001939	-0.002943	-0.05023	0.0051	0.0033	0.0000	-2.346	4.063	119.9
SNB-E1	0.001716	0.002485	-0.04198	0.0023	-0.0009	-0.0000	-2.739	-4.744	99.96
SNB-E2	0.001716	-0.002726	-0.04195	-0.0019	-0.0009	0.0000	-2.739	4.744	99.96
SNB-F1	0.002705	0.004414	-0.03396	0.0006	-0.0001	-0.0000	-3.131	-5.424	79.97
SNB-F2	0.002705	-0.00455	-0.03394	-0.0004	-0.0001	0.0000	-3.131	5.424	79.97
SNB-G1	0.003538	0.005997	-0.02568	-0.0269	0.0157	-0.0000	-3.524	-6.104	59.97
SNB-G2	0.003538	-0.006063	-0.02567	0.0270	0.0157	0.0000	-3.524	6.104	59.97
SNB-H1	0.003545	0.006092	-0.01733	0.0062	-0.0035	-0.0000	-3.917	-6.784	39.98
SNB-H2	0.003546	-0.006117	-0.01732	-0.0061	-0.0035	0.0000	-3.917	6.784	39.98
SNB-I1	0.002627	0.004541	-0.008737	0.0165	-0.0095	-0.0000	-4.311	-7.468	19.99

SNB-I2	0.002627	-0.004546	-0.008733	-0.0165	-0.0095	0.0000	-4.311	7.468	19.99	
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0	
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0	
RohnAaS	-0.0002578	-0.0005826	-0.07509	0.0005	0.0056	0.0000	4.53	-0.0005826	174.9	
RohnAbS	-0.001407	-0.000537	-0.07312	0.0005	-0.0015	0.0000	4.726	-0.000537	169.9	
RohnAcS	-0.0005356	-0.0004957	-0.07107	0.0004	0.0047	0.0000	4.923	-0.0004957	164.9	
RohnBaS	-0.0008239	-0.0004203	-0.06706	0.0004	0.0029	0.0000	5.317	-0.0004203	154.9	
RohnBbS	-0.002022	-0.0003841	-0.06508	0.0004	-0.0028	0.0000	5.513	-0.0003841	149.9	
RohnBcS	-0.0008493	-0.000349	-0.06297	0.0004	0.0038	0.0000	5.711	-0.000349	144.9	
RohnCaS	-0.001674	-0.0002686	-0.05825	0.0003	-0.0160	0.0000	6.169	-0.0002686	133.3	
RohnCbS	-0.001419	-0.0002331	-0.05542	0.0003	0.0156	0.0000	6.432	-0.0002331	126.6	
RohnDaS	-0.001674	-0.0001676	-0.04987	0.0002	-0.0125	0.0000	6.955	-0.0001676	113.3	
RohnDbS	-0.002271	-0.0001419	-0.04689	0.0002	0.0128	0.0000	7.217	-0.0001419	106.6	
RohnEaS	-0.002923	-0.0001	-0.04122	0.0002	-0.0214	0.0000	7.74	-0.0001	93.3	
RohnEbS	-0.001582	-8.284e-005	-0.03819	0.0001	0.0245	0.0000	8.004	-8.284e-005	86.62	
RohnFaS	0.0003153	-4.593e-005	-0.03079	0.0001	0.0123	0.0000	8.662	-4.593e-005	69.97	
RohnGaS	0.0004849	-2.039e-005	-0.02204	0.0001	0.0010	0.0000	9.448	-2.039e-005	49.98	
RohnHaS	-0.00092	-5.393e-006	-0.01336	0.0000	-0.0159	0.0000	10.23	-5.393e-006	29.99	
RohnIaS	-0.004958	1.328e-007	-0.00475	0.0000	-0.0320	0.0000	11.02	1.328e-007	9.995	
SNB-AaS	0.0005243	-0.0005768	-0.07211	0.0005	0.0057	0.0000	2.531	-0.0005768	174.9	
SNB-AbS	-0.0006248	-0.0005374	-0.07018	0.0005	-0.0016	0.0000	2.726	-0.0005374	169.9	
SNB-AcS	0.0002464	-0.0004967	-0.06817	0.0005	0.0051	0.0000	2.924	-0.0004967	164.9	
SNB-BaS	-4.199e-005	-0.0004203	-0.06423	0.0004	0.0031	0.0000	3.318	-0.0004203	154.9	
SNB-BbS	-0.00124	-0.0003837	-0.06229	0.0004	-0.0024	0.0000	3.513	-0.0003837	149.9	
SNB-BcS	-6.727e-005	-0.0003471	-0.06023	0.0004	0.0021	0.0000	3.711	-0.0003471	144.9	
SNB-CaS	-0.0008927	-0.0002703	-0.05569	0.0003	-0.0179	0.0000	4.169	-0.0002703	133.3	
SNB-CbS	-0.0006371	-0.0002329	-0.05287	0.0003	0.0167	0.0000	4.432	-0.0002329	126.6	
SNB-DaS	-0.0008931	-0.0001683	-0.04756	0.0002	-0.0119	0.0000	4.956	-0.0001683	113.3	
SNB-DbS	-0.00149	-0.0001414	-0.04469	0.0002	0.0131	0.0000	5.218	-0.0001414	106.6	
SNB-EaS	-0.002142	-0.0001002	-0.03937	0.0002	-0.0203	0.0000	5.741	-0.0001002	93.3	
SNB-EbS	-0.0008015	-8.276e-005	-0.03644	0.0001	0.0222	0.0000	6.005	-8.276e-005	86.62	
SNB-FaS	0.001096	-4.681e-005	-0.02949	0.0001	0.0140	0.0000	6.663	-4.681e-005	69.97	
SNB-GaS	0.001265	-2.035e-005	-0.02126	0.0001	0.0050	0.0000	7.449	-2.035e-005	49.98	
SNB-HaS	-0.0001398	-5.477e-006	-0.013	0.0000	-0.0156	0.0000	8.234	-5.477e-006	29.99	
SNB-IaS	-0.004177	1.154e-007	-0.004824	0.0000	-0.0285	0.0000	9.017	1.154e-007	9.995	
SNB-WL-A1S	0.0008133	-0.000223	-0.122	0.0000	0.0000	0.0000	0.5841	-1.01	179.9	
SNB-WL-A2S	0.001496	-0.0006169	-0.122	0.0000	0.0000	0.0000	-1.165	-0.0006169	179.9	
SNB-WL-A3S	0.0008133	-0.001011	-0.122	0.0000	0.0000	0.0000	0.5841	1.009	179.9	
SNB-WL-B1S	0.000475	6.896e-005	-0.1236	0.0000	0.0000	0.0000	0.7807	-1.351	159.9	
SNB-WL-B2S	0.001388	-0.000458	-0.1236	0.0000	0.0000	0.0000	-1.559	-0.000458	159.9	
SNB-WL-B3S	0.000475	-0.000985	-0.1236	0.0000	0.0000	0.0000	0.7807	1.35	159.9	
SNB-WL-C1S	0.0001626	0.0003471	-0.1405	0.0000	0.0000	0.0000	0.9772	-1.692	139.9	
SNB-WL-C2S	0.001306	-0.0003128	-0.1405	0.0000	0.0000	0.0000	-1.953	-0.0003128	139.9	
SNB-WL-C3S	0.0001626	-0.0009727	-0.1405	0.0000	0.0000	0.0000	0.9772	1.691	139.9	
SNB-WL-D1S	-0.0001023	0.0005938	-0.1558	0.0000	0.0000	0.0000	1.174	-2.032	119.8	
SNB-WL-D2S	0.001271	-0.000199	-0.1558	0.0000	0.0000	0.0000	-2.346	-0.000199	119.8	
SNB-WL-D3S	-0.0001023	-0.0009919	-0.1558	0.0000	0.0000	0.0000	1.174	2.032	119.8	
SNB-WL-E1S	-0.0003225	0.0008055	-0.1388	0.0000	0.0000	0.0000	1.37	-2.373	99.86	
SNB-WL-E2S	0.00128	-0.00012	-0.1388	0.0000	0.0000	0.0000	-2.739	-0.00012	99.86	
SNB-WL-E3S	-0.0003225	-0.001045	-0.1388	0.0000	0.0000	0.0000	1.37	2.372	99.86	
SNB-WL-F1S	-0.0004935	0.0009911	-0.2017	0.0000	0.0000	0.0000	1.567	-2.713	79.8	
SNB-WL-F2S	0.00134	-6.737e-005	-0.2017	0.0000	0.0000	0.0000	-3.133	-6.737e-005	79.8	
SNB-WL-F3S	-0.0004935	-0.001126	-0.2017	0.0000	0.0000	0.0000	1.567	2.713	79.8	
SNB-WL-G1S	-0.0006308	0.001159	-0.245	0.0000	0.0000	0.0000	1.763	-3.054	59.75	
SNB-WL-G2S	0.001433	-3.267e-005	-0.245	0.0000	0.0000	0.0000	-3.526	-3.267e-005	59.75	
SNB-WL-G3S	-0.0006308	-0.001224	-0.245	0.0000	0.0000	0.0000	1.763	3.054	59.75	
SNB-WL-H1S	-0.0007429	0.001312	-0.2462	0.0000	0.0000	0.0000	1.96	-3.394	39.75	
SNB-WL-H2S	0.001551	-1.229e-005	-0.2462	0.0000	0.0000	0.0000	-3.919	-1.229e-005	39.75	
SNB-WL-H3S	-0.0007429	-0.001336	-0.2462	0.0000	0.0000	0.0000	1.96	3.394	39.75	
SNB-WL-I1S	-0.000837	0.001455	-0.1928	0.0000	0.0000	0.0000	2.156	-3.735	19.81	
SNB-WL-I2S	0.001687	-2.347e-006	-0.1928	0.0000	0.0000	0.0000	-4.312	-2.347e-006	19.81	
SNB-WL-I3S	-0.000837	-0.001459	-0.1928	0.0000	0.0000	0.0000	2.156	3.735	19.81	
RohnAa1	0.001596	0.0004876	-0.07502	0.0047	-0.0017	-0.0000	-2.263	-3.923	174.9	
RohnAa2	0.001592	-0.001645	-0.07496	-0.0038	-0.0017	0.0000	-2.263	3.921	174.9	
RohnAb1	0.002068	0.001471	-0.07306	-0.0015	0.0019	-0.0000	-2.361	-4.092	169.9	
RohnAb2	0.002068	-0.002545	-0.07299	0.0025	0.0019	0.0000	-2.361	4.091	169.9	

RohnAc1	0.001537	0.0006972	-0.07101	0.0039	-0.0013	-0.0000	-2.46	-4.264	164.9
RohnAc2	0.001538	-0.001691	-0.07094	-0.0030	-0.0012	0.0000	-2.46	4.263	164.9
RohnBa1	0.001486	0.0009146	-0.06699	0.0023	-0.0004	-0.0000	-2.658	-4.605	154.9
RohnBa2	0.001486	-0.001756	-0.06691	-0.0015	-0.0004	0.0000	-2.658	4.604	154.9
RohnBb1	0.001995	0.001936	-0.06501	-0.0026	0.0024	-0.0000	-2.756	-4.774	149.9
RohnBb2	0.001995	-0.002704	-0.06494	0.0034	0.0024	0.0000	-2.756	4.773	149.9
RohnBc1	0.001322	0.0009054	-0.0629	0.0032	-0.0009	-0.0000	-2.855	-4.946	144.9
RohnBc2	0.001321	-0.001603	-0.06283	-0.0023	-0.0009	0.0000	-2.855	4.945	144.9
RohnCa1	0.001552	0.001593	-0.05819	-0.0140	0.0088	-0.0000	-3.084	-5.342	133.3
RohnCa2	0.001555	-0.002135	-0.05812	0.0147	0.0088	0.0000	-3.084	5.342	133.3
RohnCb1	0.001332	0.001355	-0.05536	0.0133	-0.0070	-0.0000	-3.215	-5.57	126.6
RohnCb2	0.001332	-0.001822	-0.05529	-0.0127	-0.0070	0.0000	-3.215	5.57	126.6
RohnDa1	0.001288	0.001543	-0.0498	-0.0110	0.0069	-0.0000	-3.477	-6.023	113.3
RohnDa2	0.001289	-0.001881	-0.04975	0.0115	0.0069	0.0000	-3.477	6.023	113.3
RohnDb1	0.001514	0.002046	-0.04683	0.0109	-0.0058	-0.0000	-3.608	-6.25	106.6
RohnDb2	0.001515	-0.002332	-0.04679	-0.0105	-0.0058	0.0000	-3.608	6.25	106.6
RohnEa1	0.001726	0.002585	-0.04117	-0.0186	0.0111	-0.0000	-3.87	-6.703	93.3
RohnEa2	0.001727	-0.002786	-0.04113	0.0189	0.0111	0.0000	-3.87	6.703	93.3
RohnEb1	0.001008	0.001414	-0.03815	0.0211	-0.0119	-0.0000	-4.002	-6.932	86.62
RohnEb2	0.001009	-0.00158	-0.03811	-0.0209	-0.0119	0.0000	-4.002	6.932	86.62
RohnFa1	-3.494e-005	-0.0002456	-0.03076	0.0106	-0.0059	-0.0000	-4.331	-7.501	69.97
RohnFa2	-3.255e-005	0.0001496	-0.03073	-0.0104	-0.0059	0.0000	-4.331	7.501	69.97
RohnGa1	-0.0001876	-0.0004077	-0.02203	0.0008	-0.0003	-0.0000	-4.724	-8.183	49.98
RohnGa2	-0.0001866	0.0003651	-0.02201	-0.0007	-0.0003	0.0000	-4.724	8.183	49.98
RohnHa1	0.0004754	0.0008013	-0.01335	-0.0138	0.0080	-0.0000	-5.117	-8.863	29.99
RohnHa2	0.0004764	-0.0008137	-0.01334	0.0139	0.0080	0.0000	-5.117	8.863	29.99
RohnIa1	0.002479	0.004295	-0.004746	-0.0277	0.0160	-0.0000	-5.51	-9.544	9.995
RohnIa2	0.00248	-0.004296	-0.004743	0.0277	0.0160	0.0000	-5.51	9.544	9.995
SNB-Aa1	0.001201	-0.0001873	-0.07208	0.0047	-0.0017	-0.0000	-1.264	-2.191	174.9
SNB-Aa2	0.001202	-0.0009676	-0.07205	-0.0038	-0.0017	0.0000	-1.264	2.19	174.9
SNB-Ab1	0.001677	0.0007932	-0.07014	-0.0016	0.0019	-0.0000	-1.362	-2.361	169.9
SNB-Ab2	0.001677	-0.001867	-0.07011	0.0025	0.0019	0.0000	-1.362	2.36	169.9
SNB-Ac1	0.001143	2.141e-005	-0.06813	0.0042	-0.0014	-0.0000	-1.461	-2.532	164.9
SNB-Ac2	0.001144	-0.001016	-0.06809	-0.0033	-0.0014	0.0000	-1.461	2.531	164.9
SNB-Ba1	0.001096	0.000237	-0.06419	0.0025	-0.0005	-0.0000	-1.658	-2.873	154.9
SNB-Ba2	0.001096	-0.001078	-0.06415	-0.0016	-0.0005	0.0000	-1.658	2.872	154.9
SNB-Bb1	0.001604	0.001259	-0.06225	-0.0023	0.0022	-0.0000	-1.756	-3.042	149.9
SNB-Bb2	0.001604	-0.002027	-0.06221	0.0031	0.0022	0.0000	-1.756	3.042	149.9
SNB-Bc1	0.0009304	0.0002284	-0.06019	0.0017	-0.0001	-0.0000	-1.855	-3.214	144.9
SNB-Bc2	0.0009316	-0.0009248	-0.06015	-0.0009	-0.0001	0.0000	-1.855	3.213	144.9
SNB-Ca1	0.001161	0.0009161	-0.05565	-0.0156	0.0098	-0.0000	-2.084	-3.61	133.3
SNB-Ca2	0.001163	-0.001459	-0.05561	0.0163	0.0098	0.0000	-2.084	3.61	133.3
SNB-Cb1	0.0009397	0.0006789	-0.05283	0.0143	-0.0076	-0.0000	-2.216	-3.838	126.6
SNB-Cb2	0.0009405	-0.001146	-0.05279	-0.0137	-0.0076	0.0000	-2.216	3.838	126.6
SNB-Da1	0.000898	0.0008662	-0.04752	-0.0104	0.0066	-0.0000	-2.477	-4.292	113.3
SNB-Da2	0.0008989	-0.001204	-0.04749	0.0109	0.0066	0.0000	-2.477	4.291	113.3
SNB-Db1	0.001124	0.00137	-0.04465	0.0112	-0.0060	-0.0000	-2.609	-4.519	106.6
SNB-Db2	0.001125	-0.001655	-0.04462	-0.0108	-0.0060	0.0000	-2.609	4.518	106.6
SNB-Ea1	0.001336	0.001909	-0.03934	-0.0176	0.0106	-0.0000	-2.87	-4.972	93.3
SNB-Ea2	0.001336	-0.00211	-0.03931	0.0180	0.0106	0.0000	-2.87	4.972	93.3
SNB-Eb1	0.0006186	0.0007375	-0.03641	0.0191	-0.0107	-0.0000	-3.002	-5.201	86.62
SNB-Eb2	0.0006191	-0.0009039	-0.03639	-0.0189	-0.0107	0.0000	-3.002	5.2	86.62
SNB-Fa1	-0.0004237	-0.0009221	-0.02947	0.0121	-0.0068	-0.0000	-3.331	-5.77	69.97
SNB-Fa2	-0.0004221	0.0008256	-0.02945	-0.0119	-0.0068	0.0000	-3.331	5.77	69.97
SNB-Ga1	-0.0005779	-0.001083	-0.02125	0.0043	-0.0023	-0.0000	-3.725	-6.451	49.98
SNB-Ga2	-0.0005768	0.00104	-0.02123	-0.0042	-0.0023	0.0000	-3.725	6.451	49.98
SNB-Ha1	8.533e-005	0.0001255	-0.01299	-0.0135	0.0079	-0.0000	-4.117	-7.131	29.99
SNB-Ha2	8.623e-005	-0.000138	-0.01298	0.0135	0.0079	0.0000	-4.117	7.131	29.99
SNB-Ia1	0.002089	0.003618	-0.004821	-0.0247	0.0143	-0.0000	-4.509	-7.809	9.995
SNB-Ia2	0.00209	-0.003619	-0.004819	0.0247	0.0143	0.0000	-4.509	7.809	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. Uplift Usage %	Result. Usage %	Result. Force (kips)	X Usage %	X-M. Moment (ft-k)	Y Usage %	Y-M. Moment (ft-k)	Z Usage %	Z-M. Moment (ft-k)	Max. Usage %

RohnJP	9.78	0.0	-0.00	0.0	19.65	0.0	0.0	21.94	0.0	0.00	0.0	4.0	0.0	0.00	0.0	0.0
SNB-JP	22.79	0.0	-0.00	0.0	19.39	0.0	0.0	29.93	0.0	0.00	0.0	6.8	0.0	0.00	0.0	0.0
RohnJ1	-4.89	0.0	-8.47	0.0	19.52	0.0	0.0	21.83	0.0	3.45	0.0	-2.0	0.0	-0.00	0.0	0.0
RohnJ2	-4.89	0.0	8.47	0.0	19.41	0.0	0.0	21.73	0.0	-3.45	0.0	-2.0	0.0	0.00	0.0	0.0
SNB-J1	-11.39	0.0	-19.74	0.0	19.28	0.0	0.0	29.86	0.0	5.89	0.0	-3.4	0.0	-0.00	0.0	0.0
SNB-J2	-11.40	0.0	19.74	0.0	19.18	0.0	0.0	29.79	0.0	-5.89	0.0	-3.4	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	-0.5168	0.0000	-0.0000	0.5168	-0.0013	-0.0006	-0.0771
RohnBP	0.0000	0.0000	-0.7107	0.0000	-0.0000	0.7107	-0.0018	-0.0005	-0.0691
RohnCP	0.0000	0.0000	-0.5960	0.0000	-0.0000	0.5960	-0.0028	-0.0003	-0.0610
RohnDP	0.0000	0.0000	-1.5259	0.0000	-0.0000	1.5259	-0.0036	-0.0002	-0.0528
RohnEP	0.0000	0.0000	-0.8302	0.0000	-0.0000	0.8302	-0.0036	-0.0001	-0.0441
RohnFP	0.0000	0.0000	-1.1116	0.0000	-0.0000	1.1116	-0.0058	-0.0001	-0.0355
RohnGP	0.0000	0.0000	-1.3426	0.0000	-0.0000	1.3426	-0.0077	-0.0000	-0.0267
RohnHP	0.0000	0.0000	-1.4805	0.0000	-0.0000	1.4805	-0.0078	-0.0000	-0.0180
RohnIP	0.0000	0.0000	-1.7490	0.0000	-0.0000	1.7490	-0.0060	-0.0000	-0.0090
RohnJP	0.0000	0.0000	-0.9701	-9.7765	0.0006	-18.6751	0.0000	0.0000	0.0000
SNB-AP	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	-0.0005	-0.0006	-0.0741
SNB-BP	0.0000	0.0000	-0.3359	0.0000	-0.0000	0.3359	-0.0011	-0.0005	-0.0662
SNB-CP	0.0000	0.0000	-0.5256	0.0000	-0.0000	0.5256	-0.0020	-0.0003	-0.0583
SNB-DP	0.0000	0.0000	-0.6860	0.0000	-0.0000	0.6860	-0.0028	-0.0002	-0.0503
SNB-EP	0.0000	0.0000	-0.8302	-0.0000	-0.0000	0.8302	-0.0028	-0.0001	-0.0420
SNB-FP	0.0000	0.0000	-1.0901	0.0000	-0.0000	1.0901	-0.0051	-0.0001	-0.0340
SNB-GP	0.0000	0.0000	-1.3426	-0.0000	-0.0000	1.3426	-0.0069	-0.0000	-0.0257
SNB-HP	0.0000	0.0000	-1.4805	-0.0000	-0.0000	1.4805	-0.0070	-0.0000	-0.0173
SNB-IP	0.0000	0.0000	-1.7290	-0.0000	0.0000	1.7290	-0.0052	-0.0000	-0.0087
SNB-JP	0.0000	0.0000	-0.9701	-22.7925	0.0016	-18.4208	0.0000	0.0000	0.0000
RohnA1	0.0000	0.0000	-0.5676	0.0000	-0.0000	0.5676	0.0022	0.0014	-0.0770
RohnA2	0.0000	0.0000	-0.7497	0.0000	-0.0000	0.7497	0.0022	-0.0026	-0.0770
RohnB1	0.0000	0.0000	-0.4807	0.0000	-0.0000	0.4807	0.0021	0.0018	-0.0690
RohnB2	0.0000	0.0000	-0.4207	0.0000	-0.0000	0.4207	0.0021	-0.0027	-0.0690
RohnC1	0.0000	0.0000	-0.9160	0.0000	-0.0000	0.9160	0.0022	0.0026	-0.0609
RohnC2	0.0000	0.0000	-0.5960	0.0000	-0.0000	0.5960	0.0022	-0.0032	-0.0609
RohnD1	0.0000	0.0000	-1.5259	0.0000	-0.0000	1.5259	0.0023	0.0032	-0.0527
RohnD2	0.0000	0.0000	-1.5259	0.0000	-0.0000	1.5259	0.0023	-0.0036	-0.0526
RohnE1	0.0000	0.0000	-0.8302	0.0000	0.0000	0.8302	0.0021	0.0032	-0.0440
RohnE2	0.0000	0.0000	-0.8302	0.0000	-0.0000	0.8302	0.0021	-0.0034	-0.0440
RohnF1	0.0000	0.0000	-1.1611	0.0000	-0.0000	1.1611	0.0031	0.0051	-0.0355
RohnF2	0.0000	0.0000	-1.1116	0.0000	0.0000	1.1116	0.0031	-0.0052	-0.0354
RohnG1	0.0000	0.0000	-1.3626	0.0000	-0.0000	1.3626	0.0039	0.0067	-0.0267
RohnG2	0.0000	0.0000	-1.3626	0.0000	-0.0000	1.3626	0.0039	-0.0067	-0.0267
RohnH1	0.0000	0.0000	-1.4805	0.0000	-0.0000	1.4805	0.0039	0.0068	-0.0180
RohnH2	0.0000	0.0000	-1.4805	0.0000	-0.0000	1.4805	0.0039	-0.0068	-0.0179
RohnI1	0.0000	0.0000	-1.7290	0.0000	0.0000	1.7290	0.0030	0.0052	-0.0090
RohnI2	0.0000	0.0000	-1.7290	0.0000	-0.0000	1.7290	0.0030	-0.0052	-0.0090
RohnJ1	0.0000	0.0000	-0.9701	4.8887	8.4702	-18.5504	0.0000	0.0000	0.0000
RohnJ2	0.0000	0.0000	-0.9701	4.8908	-8.4726	-18.4359	0.0000	0.0000	0.0000
SNB-A1	0.0000	0.0000	-0.1352	0.0000	0.0000	0.1352	0.0018	0.0007	-0.0741
SNB-A2	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0018	-0.0019	-0.0740
SNB-B1	0.0000	0.0000	-0.3359	0.0000	-0.0000	0.3359	0.0017	0.0011	-0.0662
SNB-B2	0.0000	0.0000	-0.3359	0.0000	-0.0000	0.3359	0.0017	-0.0021	-0.0662
SNB-C1	0.0000	0.0000	-0.5256	0.0000	-0.0000	0.5256	0.0018	0.0019	-0.0583
SNB-C2	0.0000	0.0000	-0.5256	0.0000	-0.0000	0.5256	0.0018	-0.0025	-0.0582
SNB-D1	0.0000	0.0000	-0.6860	0.0000	-0.0000	0.6860	0.0019	0.0025	-0.0503
SNB-D2	0.0000	0.0000	-0.6860	0.0000	-0.0000	0.6860	0.0019	-0.0029	-0.0502
SNB-E1	0.0000	0.0000	-0.8302	0.0000	-0.0000	0.8302	0.0017	0.0025	-0.0420
SNB-E2	0.0000	0.0000	-0.8302	0.0000	-0.0000	0.8302	0.0017	-0.0027	-0.0420
SNB-F1	0.0000	0.0000	-1.0901	0.0000	-0.0000	1.0901	0.0027	0.0044	-0.0340

SNB-F2	0.0000	0.0000	-1.0901	0.0000	-0.0000	1.0901	0.0027	-0.0045	-0.0339
SNB-G1	0.0000	0.0000	-1.3426	0.0000	-0.0000	1.3426	0.0035	0.0060	-0.0257
SNB-G2	0.0000	0.0000	-1.3426	0.0000	-0.0000	1.3426	0.0035	-0.0061	-0.0257
SNB-H1	0.0000	0.0000	-1.4805	0.0000	-0.0000	1.4805	0.0035	0.0061	-0.0173
SNB-H2	0.0000	0.0000	-1.4805	-0.0000	0.0000	1.4805	0.0035	-0.0061	-0.0173
SNB-I1	0.0000	0.0000	-1.7290	-0.0000	-0.0000	1.7290	0.0026	0.0045	-0.0087
SNB-I2	0.0000	0.0000	-1.7290	-0.0000	0.0000	1.7290	0.0026	-0.0045	-0.0087
SNB-J1	0.0000	0.0000	-0.9701	11.3940	19.7412	-18.3146	0.0000	0.0000	0.0000
SNB-J2	0.0000	0.0000	-0.9701	11.3956	-19.7409	-18.2106	0.0000	0.0000	0.0000
RohnAaS	0.0000	0.0000	-0.3652	0.0000	-0.0000	0.3652	-0.0003	-0.0006	-0.0751
RohnAbS	0.0000	0.0000	-0.1602	0.0000	-0.0000	0.1602	-0.0014	-0.0005	-0.0731
RohnAcS	0.0000	0.0000	-0.1552	0.0000	-0.0000	0.1552	-0.0005	-0.0005	-0.0711
RohnBaS	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	-0.0008	-0.0004	-0.0671
RohnBbS	0.0000	0.0000	-1.1757	0.0000	-0.0000	1.1757	-0.0020	-0.0004	-0.0651
RohnBcS	0.0000	0.0000	-0.4457	0.0000	-0.0000	0.4457	-0.0008	-0.0003	-0.0630
RohnCaS	0.0000	0.0000	-1.2307	0.0000	-0.0000	1.2307	-0.0017	-0.0003	-0.0583
RohnCbS	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	-0.0014	-0.0002	-0.0554
RohnDaS	0.0000	0.0000	-0.6061	0.0000	-0.0000	0.6061	-0.0017	-0.0002	-0.0499
RohnDbS	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	-0.0023	-0.0001	-0.0469
RohnEaS	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	-0.0029	-0.0001	-0.0412
RohnEbS	0.0000	0.0000	-0.5442	0.0000	-0.0000	0.5442	-0.0016	-0.0001	-0.0382
RohnFaS	0.0000	0.0000	-0.6209	-0.0000	-0.0000	0.6209	0.0003	-0.0000	-0.0308
RohnGaS	0.0000	0.0000	-0.7217	-0.0000	-0.0000	0.7217	0.0005	-0.0000	-0.0220
RohnHaS	0.0000	0.0000	-0.7589	0.0000	-0.0000	0.7589	-0.0009	-0.0000	-0.0134
RohnIaS	0.0000	0.0000	-0.9701	0.0000	-0.0000	0.9701	-0.0050	0.0000	-0.0047
SNB-AaS	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0005	-0.0006	-0.0721
SNB-AbS	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	-0.0006	-0.0005	-0.0702
SNB-AcS	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0002	-0.0005	-0.0682
SNB-BaS	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	-0.0000	-0.0004	-0.0642
SNB-BbS	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	-0.0012	-0.0004	-0.0623
SNB-BcS	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	-0.0001	-0.0003	-0.0602
SNB-CaS	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	-0.0009	-0.0003	-0.0557
SNB-CbS	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	-0.0006	-0.0002	-0.0529
SNB-DaS	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	-0.0009	-0.0002	-0.0476
SNB-DbS	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	-0.0015	-0.0001	-0.0447
SNB-EaS	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	-0.0021	-0.0001	-0.0394
SNB-EbS	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	-0.0008	-0.0001	-0.0364
SNB-FaS	0.0000	0.0000	-0.6209	0.0000	-0.0000	0.6209	0.0011	-0.0000	-0.0295
SNB-GaS	0.0000	0.0000	-0.7217	0.0000	-0.0000	0.7217	0.0013	-0.0000	-0.0213
SNB-HaS	0.0000	0.0000	-0.7589	-0.0000	-0.0000	0.7589	-0.0001	-0.0000	-0.0130
SNB-IaS	0.0000	0.0000	-0.9701	-0.0000	-0.0000	0.9701	-0.0042	0.0000	-0.0048
SNB-WL-A1S	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0008	-0.0002	-0.1220
SNB-WL-A2S	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0015	-0.0006	-0.1220
SNB-WL-A3S	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0008	-0.0010	-0.1220
SNB-WL-B1S	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0005	0.0001	-0.1236
SNB-WL-B2S	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0014	-0.0005	-0.1236
SNB-WL-B3S	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0005	-0.0010	-0.1236
SNB-WL-C1S	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0002	0.0003	-0.1405
SNB-WL-C2S	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0013	-0.0003	-0.1405
SNB-WL-C3S	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0002	-0.0010	-0.1405
SNB-WL-D1S	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	-0.0001	0.0006	-0.1558
SNB-WL-D2S	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	0.0013	-0.0002	-0.1558
SNB-WL-D3S	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	-0.0001	-0.0010	-0.1558
SNB-WL-E1S	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	-0.0003	0.0008	-0.1388
SNB-WL-E2S	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	0.0013	-0.0001	-0.1388
SNB-WL-E3S	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	-0.0003	-0.0010	-0.1388
SNB-WL-F1S	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	-0.0005	0.0010	-0.2017
SNB-WL-F2S	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	0.0013	-0.0001	-0.2017
SNB-WL-F3S	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	-0.0005	-0.0011	-0.2017
SNB-WL-G1S	0.0000	0.0000	-0.6209	0.0000	-0.0000	0.6209	-0.0006	0.0012	-0.2450
SNB-WL-G2S	0.0000	0.0000	-0.6209	0.0000	-0.0000	0.6209	0.0014	-0.0000	-0.2450
SNB-WL-G3S	0.0000	0.0000	-0.6209	0.0000	-0.0000	0.6209	-0.0006	-0.0012	-0.2450
SNB-WL-H1S	0.0000	0.0000	-0.7217	0.0000	-0.0000	0.7217	-0.0007	0.0013	-0.2462
SNB-WL-H2S	0.0000	0.0000	-0.7217	0.0000	-0.0000	0.7217	0.0016	-0.0000	-0.2462
SNB-WL-H3S	0.0000	0.0000	-0.7217	0.0000	-0.0000	0.7217	-0.0007	-0.0013	-0.2462
SNB-WL-I1S	0.0000	0.0000	-0.7589	0.0000	-0.0000	0.7589	-0.0008	0.0015	-0.1928

SNB-WL-I2S	0.0000	0.0000	-0.7589	0.0000	-0.0000	0.7589	0.0017	-0.0000	-0.1928
SNB-WL-I3S	0.0000	0.0000	-0.7589	0.0000	-0.0000	0.7589	-0.0008	-0.0015	-0.1928
RohnAa1	0.0000	0.0000	-0.2050	0.0000	-0.0000	0.2050	0.0016	0.0005	-0.0750
RohnAa2	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0016	-0.0016	-0.0750
RohnAb1	0.0000	0.0000	-0.3552	0.0000	-0.0000	0.3552	0.0021	0.0015	-0.0731
RohnAb2	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0021	-0.0025	-0.0730
RohnAc1	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0015	0.0007	-0.0710
RohnAc2	0.0000	0.0000	-0.2277	0.0000	-0.0000	0.2277	0.0015	-0.0017	-0.0709
RohnBa1	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0015	0.0009	-0.0670
RohnBa2	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0015	-0.0018	-0.0669
RohnBb1	0.0000	0.0000	-1.1557	0.0000	-0.0000	1.1557	0.0020	0.0019	-0.0650
RohnBb2	0.0000	0.0000	-1.1557	0.0000	-0.0000	1.1557	0.0020	-0.0027	-0.0649
RohnBc1	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0013	0.0009	-0.0629
RohnBc2	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0013	-0.0016	-0.0628
RohnCa1	0.0000	0.0000	-1.2307	0.0000	-0.0000	1.2307	0.0016	0.0016	-0.0582
RohnCa2	0.0000	0.0000	-1.3037	0.0000	-0.0000	1.3037	0.0016	-0.0021	-0.0581
RohnCb1	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	0.0013	0.0014	-0.0554
RohnCb2	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	0.0013	-0.0018	-0.0553
RohnDa1	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	0.0013	0.0015	-0.0498
RohnDa2	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	0.0013	-0.0019	-0.0497
RohnDb1	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	0.0015	0.0020	-0.0468
RohnDb2	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	0.0015	-0.0023	-0.0468
RohnEa1	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	0.0017	0.0026	-0.0412
RohnEa2	0.0000	0.0000	-0.4692	0.0000	0.0000	0.4692	0.0017	-0.0028	-0.0411
RohnEb1	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	0.0010	0.0014	-0.0382
RohnEb2	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	0.0010	-0.0016	-0.0381
RohnFa1	0.0000	0.0000	-0.6209	0.0000	-0.0000	0.6209	-0.0000	-0.0002	-0.0308
RohnFa2	0.0000	0.0000	-0.6209	0.0000	-0.0000	0.6209	-0.0000	0.0001	-0.0307
RohnGa1	0.0000	0.0000	-0.7217	0.0000	-0.0000	0.7217	-0.0002	-0.0004	-0.0220
RohnGa2	0.0000	0.0000	-0.7217	0.0000	0.0000	0.7217	-0.0002	0.0004	-0.0220
RohnHa1	0.0000	0.0000	-0.7589	0.0000	0.0000	0.7589	0.0005	0.0008	-0.0133
RohnHa2	0.0000	0.0000	-0.7589	-0.0000	0.0000	0.7589	0.0005	-0.0008	-0.0133
RohnIa1	0.0000	0.0000	-0.9701	0.0000	0.0000	0.9701	0.0025	0.0043	-0.0047
RohnIa2	0.0000	0.0000	-0.9701	-0.0000	0.0000	0.9701	0.0025	-0.0043	-0.0047
SNB-Aa1	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0012	-0.0002	-0.0721
SNB-Aa2	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0012	-0.0010	-0.0720
SNB-Ab1	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0017	0.0008	-0.0701
SNB-Ab2	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0017	-0.0019	-0.0701
SNB-Ac1	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0011	0.0000	-0.0681
SNB-Ac2	0.0000	0.0000	-0.1352	0.0000	-0.0000	0.1352	0.0011	-0.0010	-0.0681
SNB-Ba1	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0011	0.0002	-0.0642
SNB-Ba2	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0011	-0.0011	-0.0642
SNB-Bb1	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0016	0.0013	-0.0622
SNB-Bb2	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0016	-0.0020	-0.0622
SNB-Bc1	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0009	0.0002	-0.0602
SNB-Bc2	0.0000	0.0000	-0.2007	0.0000	-0.0000	0.2007	0.0009	-0.0009	-0.0601
SNB-Ca1	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	0.0012	0.0009	-0.0556
SNB-Ca2	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	0.0012	-0.0015	-0.0556
SNB-Cb1	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	0.0009	0.0007	-0.0528
SNB-Cb2	0.0000	0.0000	-0.3250	0.0000	-0.0000	0.3250	0.0009	-0.0011	-0.0528
SNB-Da1	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	0.0009	0.0009	-0.0475
SNB-Da2	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	0.0009	-0.0012	-0.0475
SNB-Db1	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	0.0011	0.0014	-0.0447
SNB-Db2	0.0000	0.0000	-0.3611	0.0000	-0.0000	0.3611	0.0011	-0.0017	-0.0446
SNB-Ea1	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	0.0013	0.0019	-0.0393
SNB-Ea2	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	0.0013	-0.0021	-0.0393
SNB-Eb1	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	0.0006	0.0007	-0.0364
SNB-Eb2	0.0000	0.0000	-0.4692	0.0000	-0.0000	0.4692	0.0006	-0.0009	-0.0364
SNB-Fa1	0.0000	0.0000	-0.6209	0.0000	0.0000	0.6209	-0.0004	-0.0009	-0.0295
SNB-Fa2	0.0000	0.0000	-0.6209	0.0000	-0.0000	0.6209	-0.0004	0.0008	-0.0294
SNB-Ga1	0.0000	0.0000	-0.7217	0.0000	0.0000	0.7217	-0.0006	-0.0011	-0.0212
SNB-Ga2	0.0000	0.0000	-0.7217	0.0000	-0.0000	0.7217	-0.0006	0.0010	-0.0212
SNB-Ha1	0.0000	0.0000	-0.7589	-0.0000	-0.0000	0.7589	0.0001	0.0001	-0.0130
SNB-Ha2	0.0000	0.0000	-0.7589	0.0000	-0.0000	0.7589	0.0001	-0.0001	-0.0130
SNB-Ia1	0.0000	0.0000	-0.9701	-0.0000	-0.0000	0.9701	0.0021	0.0036	-0.0048
SNB-Ia2	0.0000	0.0000	-0.9701	0.0000	-0.0000	0.9701	0.0021	-0.0036	-0.0048

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	0.00	0.00	0.00	-0.57	-138.26	-0.11	-27.64
Rohn-LA11	-0.00	0.00	-0.00	-120.24	68.71	-24.04	13.74
Rohn-LA12	0.00	-0.00	-0.00	119.85	69.15	23.96	13.82
Rohn-LA2P	0.00	0.57	138.26	0.29	175.24	0.17	62.68
Rohn-LA21	-0.00	120.24	-68.71	152.26	-87.18	54.48	-31.17
Rohn-LA22	-0.00	-119.85	-69.15	-151.98	-87.35	-54.35	-31.29
Rohn-LA3P	0.00	-0.29	-175.24	0.17	-207.51	-0.02	-76.52
Rohn-LA31	-0.00	-152.26	87.18	-179.92	103.54	-66.41	38.13
Rohn-LA32	-0.00	151.98	87.35	179.95	103.37	66.36	38.13
Rohn-LA4P	-0.00	-0.17	207.51	-0.19	273.11	-0.07	96.09
Rohn-LA41	-0.00	179.92	-103.54	236.48	-136.51	83.25	-47.99
Rohn-LA42	0.00	-179.95	-103.37	-236.42	-136.26	-83.24	-47.91
Rohn-LB1P	-0.00	0.19	-273.11	0.23	-396.02	0.08	-133.78
Rohn-LB11	-0.00	-236.47	136.52	-342.82	198.69	-115.82	67.02
Rohn-LB12	0.00	236.41	136.26	342.95	198.50	115.83	66.93
Rohn-LB2P	-0.00	-0.23	396.02	0.11	460.41	-0.02	171.22
Rohn-LB21	0.00	342.82	-198.69	398.64	-230.17	148.24	-85.74
Rohn-LB22	-0.00	-342.95	-198.50	-398.34	-230.12	-148.20	-85.69
Rohn-LB3P	-0.00	-0.11	-460.41	-0.20	-535.03	-0.06	-199.02
Rohn-LB31	0.00	-398.64	230.17	-463.95	267.74	-172.45	99.55
Rohn-LB32	-0.00	398.34	230.13	463.61	267.77	172.33	99.54
Rohn-LB4P	-0.00	0.20	535.03	0.21	485.83	0.08	204.10
Rohn-LB41	0.00	463.95	-267.74	421.35	-242.17	177.00	-101.94
Rohn-LB42	-0.00	-463.61	-267.77	-420.43	-241.89	-176.74	-101.89
Rohn-LC1P	0.00	-0.21	-485.83	0.88	-110.83	0.10	-89.55
Rohn-LC11	-0.00	-421.35	242.18	-96.27	55.84	-77.69	44.73
Rohn-LC12	0.00	420.43	241.89	96.84	55.15	77.64	44.58
Rohn-LC2P	0.00	-0.88	110.83	-0.22	-377.82	-0.16	-39.96
Rohn-LC21	-0.00	96.27	-55.84	-326.98	189.38	-34.52	19.98
Rohn-LC22	-0.00	-96.84	-55.15	327.36	189.85	34.50	20.16
Rohn-LC3P	0.00	0.22	377.82	0.36	657.61	0.09	155.41
Rohn-LC31	-0.00	326.98	-189.37	569.32	-329.01	134.53	-77.81
Rohn-LC32	0.00	-327.36	-189.85	-568.83	-329.13	-134.51	-77.90
Rohn-LD1P	0.00	-0.36	-657.61	0.49	-465.70	0.02	-168.61
Rohn-LD11	-0.00	-569.32	329.01	-403.57	234.26	-146.03	84.55
Rohn-LD12	0.00	568.83	329.14	404.46	234.21	146.09	84.56
Rohn-LD2P	-0.00	-0.49	465.70	0.25	-16.00	-0.04	67.30
Rohn-LD21	0.00	403.57	-234.26	-13.54	8.93	58.37	-33.72
Rohn-LD22	-0.00	-404.46	-234.20	13.99	8.90	-58.43	-33.72
Rohn-LD3P	0.00	-0.25	16.00	0.23	177.05	-0.00	28.98
Rohn-LD31	-0.00	13.54	-8.93	152.64	-87.95	24.94	-14.54
Rohn-LD32	0.00	-13.99	-8.90	-151.99	-87.84	-24.91	-14.52
Rohn-LE1P	0.00	-0.23	-177.05	0.31	463.44	0.01	42.99
Rohn-LE11	-0.00	-152.64	87.95	401.46	-231.11	37.35	-21.49
Rohn-LE12	0.00	151.99	87.84	-401.05	-231.22	-37.38	-21.52
Rohn-LE2P	0.00	-0.31	-463.44	0.15	-1603.40	-0.02	-309.30
Rohn-LE21	-0.00	-401.46	231.11	-1388.72	802.70	-267.90	154.71
Rohn-LE22	0.00	401.04	231.22	1389.09	802.75	267.90	154.73
Rohn-LE3P	-0.00	-0.15	1603.40	0.02	2404.82	-0.02	601.63
Rohn-LE31	0.00	1388.74	-802.68	2082.00	-1202.61	520.95	-300.99
Rohn-LE32	-0.00	-1389.10	-802.73	-2081.49	-1202.35	-520.93	-300.96
Rohn-LF1P	0.00	-0.02	-2404.82	0.75	-2863.30	0.07	-526.64
Rohn-LF11	-0.00	-2081.97	1202.66	-2478.91	1433.85	-455.94	263.56
Rohn-LF12	0.00	2081.47	1202.39	2479.55	1433.35	455.95	263.49
Rohn-LF2P	-0.00	-0.75	2863.30	-0.09	3515.30	-0.08	637.65
Rohn-LF21	0.00	2478.95	-1433.79	3043.25	-1758.37	552.04	-319.11
Rohn-LF22	-0.00	-2479.59	-1433.30	-3042.74	-1757.96	-552.05	-319.02
Rohn-LG1P	0.00	0.09	-3515.30	0.47	-4055.27	0.06	-756.80
Rohn-LG11	-0.00	-3043.21	1758.45	-3511.13	2029.74	-655.21	378.69

Rohn-LG12	0.00	3042.69	1758.05	3511.62	2029.48	655.21	378.62
Rohn-LG2P	-0.00	-0.47	4055.27	0.03	3825.23	-0.04	787.79
Rohn-LG21	0.00	3511.18	-2029.64	3311.73	-1913.31	682.06	-394.16
Rohn-LG22	-0.00	-3511.67	-2029.38	-3311.23	-1913.05	-682.06	-394.11
Rohn-LH1P	0.00	-0.03	-3825.23	0.42	-3059.51	0.04	-688.24
Rohn-LH11	-0.00	-3311.67	1913.40	-2648.85	1531.48	-595.85	344.37
Rohn-LH12	0.00	3311.18	1913.15	2649.23	1531.22	595.84	344.32
Rohn-LH2P	-0.00	-0.42	3059.51	-0.02	1951.47	-0.04	500.94
Rohn-LH21	0.00	2648.88	-1531.43	1689.17	-976.03	433.66	-250.66
Rohn-LH22	-0.00	-2649.27	-1531.16	-1688.68	-975.73	-433.65	-250.61
Rohn-LI1P	0.00	0.02	-1951.47	0.81	1697.33	0.08	-25.41
Rohn-LI11	-0.00	-1689.16	976.05	1470.15	-847.46	-21.89	12.85
Rohn-LI12	0.00	1688.67	975.75	-1469.40	-847.95	21.92	12.78
Rohn-LI2P	0.00	-0.81	-1697.33	-0.48	-3982.75	-0.13	-567.82
Rohn-LI21	-0.00	-1470.15	847.47	-3449.37	1991.84	-491.79	283.84
Rohn-LI22	0.00	1469.39	847.96	3449.47	1992.45	491.73	283.95
SNB-LA1P	0.00	0.00	0.00	0.12	-187.99	0.02	-37.58
SNB-LA11	-0.00	0.00	-0.00	-163.06	94.10	-32.60	18.81
SNB-LA12	0.00	-0.00	-0.00	162.98	93.91	32.58	18.77
SNB-LA2P	0.00	-0.12	187.99	-0.16	238.97	-0.06	85.36
SNB-LA21	-0.00	163.06	-94.10	207.16	-119.63	74.01	-42.73
SNB-LA22	0.00	-162.98	-93.91	-207.09	-119.40	-73.99	-42.65
SNB-LA3P	0.00	0.16	-238.97	0.22	-285.66	0.08	-104.89
SNB-LA31	-0.00	-207.16	119.63	-247.38	143.06	-90.87	52.52
SNB-LA32	0.00	207.09	119.40	247.44	142.84	90.87	52.43
SNB-LA4P	-0.00	-0.22	285.66	-0.12	385.24	-0.07	134.13
SNB-LA41	0.00	247.38	-143.06	333.51	-192.73	116.13	-67.13
SNB-LA42	0.00	-247.44	-142.84	-333.36	-192.51	-116.12	-67.04
SNB-LB1P	0.00	0.12	-385.24	0.32	-600.49	0.09	-197.07
SNB-LB11	-0.00	-333.50	192.73	-520.03	300.95	-170.64	98.70
SNB-LB12	0.00	333.36	192.51	520.23	300.70	170.65	98.60
SNB-LB2P	-0.00	-0.32	600.49	-0.21	697.27	-0.11	259.45
SNB-LB21	0.00	520.03	-300.95	603.71	-348.54	224.66	-129.85
SNB-LB22	-0.00	-520.23	-300.69	-603.46	-348.15	-224.65	-129.72
SNB-LB3P	0.00	0.21	-697.27	0.51	-777.37	0.14	-294.82
SNB-LB31	-0.00	-603.71	348.54	-673.64	389.77	-255.37	147.61
SNB-LB32	0.00	603.46	348.16	673.62	389.17	255.32	147.41
SNB-LB4P	-0.00	-0.51	777.37	-0.10	557.87	-0.12	266.95
SNB-LB41	0.00	673.64	-389.76	483.26	-278.92	231.29	-133.69
SNB-LB42	-0.00	-673.63	-389.16	-482.41	-278.32	-231.12	-133.44
SNB-LC1P	0.00	0.10	-557.87	0.52	-128.46	0.09	-103.01
SNB-LC11	-0.00	-483.25	278.93	-111.31	64.89	-89.24	51.60
SNB-LC12	0.00	482.40	278.32	111.64	64.48	89.16	51.45
SNB-LC2P	0.00	-0.52	128.46	0.05	-327.09	-0.07	-29.72
SNB-LC21	-0.00	111.31	-64.89	-283.14	163.82	-25.71	14.81
SNB-LC22	-0.00	-111.64	-64.48	283.59	164.03	25.73	14.90
SNB-LC3P	-0.00	-0.05	327.09	0.33	614.46	0.04	141.32
SNB-LC31	0.00	283.14	-163.82	532.22	-306.96	122.38	-70.66
SNB-LC32	-0.00	-283.59	-164.03	-531.77	-307.08	-122.38	-70.71
SNB-LD1P	0.00	-0.33	-614.46	0.25	-473.43	-0.01	-163.29
SNB-LD11	-0.00	-532.21	306.96	-410.61	237.60	-141.51	81.74
SNB-LD12	0.00	531.76	307.08	411.46	237.80	141.57	81.78
SNB-LD2P	-0.00	-0.25	473.43	0.62	-40.43	0.06	64.80
SNB-LD21	0.00	410.61	-237.59	-34.44	21.53	56.29	-32.33
SNB-LD22	-0.00	-411.46	-237.80	35.06	21.17	-56.33	-32.42
SNB-LD3P	-0.00	-0.62	40.43	0.05	253.83	-0.09	44.17
SNB-LD31	0.00	34.44	-21.53	218.77	-126.34	38.01	-22.20
SNB-LD32	-0.00	-35.06	-21.17	-218.01	-125.96	-37.99	-22.08
SNB-LE1P	0.00	-0.05	-253.83	0.63	946.05	0.09	103.90
SNB-LE11	-0.00	-218.77	126.34	819.42	-471.60	90.15	-51.82
SNB-LE12	0.00	218.01	125.97	-818.45	-471.77	-90.12	-51.90
SNB-LE2P	0.00	-0.63	-946.05	0.43	-3154.16	-0.03	-613.59
SNB-LE21	-0.00	-819.41	471.60	-2731.81	1579.22	-531.44	306.90
SNB-LE22	0.00	818.45	471.77	2732.67	1579.21	531.42	306.93
SNB-LE3P	-0.00	-0.43	3154.16	0.16	4271.37	-0.04	1114.52
SNB-LE31	0.00	2731.83	-1579.18	3697.98	-2135.95	965.07	-557.61

SNB-LE32	-0.00	-2732.69	-1579.17	-3697.04	-2135.60	-965.06	-557.56
SNB-LF1P	0.00	-0.16	-4271.37	0.89	-4731.78	0.07	-900.00
SNB-LF11	-0.00	-3697.94	2136.03	-4096.67	2369.04	-779.19	450.35
SNB-LF12	0.00	3696.99	2135.68	4097.45	2368.47	779.17	450.26
SNB-LF2P	-0.00	-0.89	4731.78	-0.06	6296.05	-0.10	1102.38
SNB-LF21	0.00	4096.73	-2368.94	5450.59	-3149.26	954.38	-551.62
SNB-LF22	-0.00	-4097.51	-2368.37	-5449.60	-3148.62	-954.36	-551.50
SNB-LG1P	0.00	0.06	-6296.05	1.26	-8979.69	0.13	-1527.02
SNB-LG11	-0.00	-5450.50	3149.41	-7774.61	4495.08	-1322.03	764.17
SNB-LG12	0.00	5449.52	3148.77	7775.92	4494.38	1322.07	764.04
SNB-LG2P	-0.00	-1.26	8979.69	-0.03	8812.56	-0.13	1778.61
SNB-LG21	0.00	7774.73	-4494.86	7629.41	-4408.13	1539.88	-889.99
SNB-LG22	-0.00	-7776.04	-4494.17	-7628.31	-4407.46	-1539.90	-889.85
SNB-LH1P	0.00	0.03	-8812.56	1.10	-7113.52	0.11	-1592.02
SNB-LH11	-0.00	-7629.29	4408.33	-6158.59	3561.04	-1378.28	796.64
SNB-LH12	0.00	7628.19	4407.66	6159.57	3560.34	1378.27	796.51
SNB-LH2P	-0.00	-1.10	7113.52	-0.22	4530.96	-0.13	1164.07
SNB-LH21	0.00	6158.66	-3560.91	3921.80	-2266.46	1007.71	-582.55
SNB-LH22	-0.00	-6159.64	-3560.21	-3920.79	-2265.62	-1007.71	-582.39
SNB-LI1P	0.00	0.22	-4530.96	1.83	2554.67	0.20	-197.55
SNB-LI11	-0.00	-3921.78	2266.50	2213.12	-1274.46	-170.80	99.17
SNB-LI12	0.00	3920.76	2265.67	-2211.51	-1275.64	170.86	98.96
SNB-LI2P	0.00	-1.83	-2554.67	-1.04	-6798.35	-0.29	-935.01
SNB-LI21	-0.00	-2213.11	1274.48	-5888.22	3399.84	-809.88	467.29
SNB-LI22	0.00	2211.50	1275.65	5888.47	3401.18	809.75	467.54

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

Group Summary (Compression Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Comp. %	Comp. Control Member	Comp. Force (kips)	Comp. Control Load Case	L/R Capacity (kips)	Comp. Conn. Shear Capacity (kips)	Comp. Conn. Bearing Capacity (kips)	RLX	RLY	RLZ	L/R	Length Comp. Member (ft)	Curve No.	No. Of Bolts Comp.
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	36.0	71.90	71.90	Rohn-DA72	-2.881	W+I -90 de	3.005	16.200	8.156	0.500	0.500	0.500	175.53	10.034	4	1
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	91.36	91.36	Rohn-DB61	-4.658	W+I 0 deg	3.824	16.200	8.156	0.500	0.500	0.500	166.50	10.934	4	1
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	95.45	95.45	Rohn-DC21	-7.585	W+I 0 deg	5.960	16.200	8.156	0.500	0.500	0.500	150.33	12.402	4	1
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	66.28	66.28	Rohn-DD31	-5.383	W+I 90 deg	6.092	16.200	10.875	0.500	0.500	0.500	170.80	13.977	4	1
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	80.69	80.69	Rohn-DE51	-9.268	W+I 90 deg	8.615	16.200	12.187	0.500	0.500	0.500	157.99	15.589	4	1
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	82.16	82.16	Rohn-DG11	-10.366	W+I 90 deg	9.463	16.200	12.187	0.500	0.500	0.500	163.31	18.889	4	1
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	82.40	82.40	Rohn-DI21	-12.370	W+I 0 deg	11.259	16.200	12.187	0.500	0.500	0.500	160.41	21.254	4	1
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	17.09	17.09	Rohn-LA4P	-15.428	W+I 0 deg	67.718	0.000	0.000	1.000	1.000	1.000	52.67	5.004	1	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	48.26	48.26	Rohn-H22	-2.475	W+I 90 deg	3.846	0.000	0.000	0.500	0.500	0.500	155.16	8.870	4	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	10.08	10.08	SNB-DA82	-1.775	W+I -90 de	13.207	16.200	13.594	0.500	0.500	0.500	111.38	7.240	1	1
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	19.28	18.53	SNB-DB81	-2.148	W+I 0 deg	8.696	16.200	10.875	0.500	0.500	0.500	127.05	8.279	4	1
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	60.06	60.06	SNB-DD62	-8.904	W+I -90 de	11.119	16.200	13.594	0.500	0.500	0.500	140.03	11.412	4	1
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	65.53	65.53	SNB-DE11	-14.155	W+I 90 deg	27.855	16.200	21.750	0.500	0.500	0.500	121.07	11.784	4	1
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	33.87	33.87	SNB-DF42	-10.838	W+I -90 de	39.016	24.000	26.100	0.500	0.500	0.500	119.15	15.529	1	1
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	50.98	50.98	SNB-DH11	-16.313	W+I 90 deg	39.490	24.000	32.625	0.500	0.500	0.500	132.03	17.142	4	1
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	92.81	92.81	SNB-DI11	-29.699	W+I 90 deg	66.757	24.000	32.625	0.500	0.500	0.500	112.06	18.267	1	1
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	9.41	9.41	SNB-LA4P	-9.431	W+I 0 deg	75.146	0.000	0.000	1.000	1.000	1.000	55.09	5.004	1	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	40.13	40.13	SNB-LC3P	-59.062	W+I 0 deg	110.397	0.000	0.000	1.000	1.000	1.000	56.33	6.665	1	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	71.69	71.69	SNB-LD3P	-103.491	W+I 0 deg	108.266	0.000	0.000	1.000	1.000	1.000	43.23	6.665	1	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	79.20	79.20	SNB-LF2P	-201.366	W+I 0 deg	190.683	0.000	0.000	1.000	1.000	1.000	55.86	10.008	1	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	91.58	91.58	SNB-LH2P	-297.796	W+I 0 deg	243.879	0.000	0.000	1.000	1.000	1.000	41.70	10.008	1	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	85.55	85.55	SNB-LI2P	-362.131	W+I 0 deg	317.480	0.000	0.000	1.000	1.000	1.000	33.08	10.008	1	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.05	0.01	Connect Ia1	-3.397	W+I 60 deg	17202.963	0.000	0.000	1.000	1.000	1.000	2.41	2.004	1	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	5.73	0.00	SNB-H4fP	0.000		77.281	0.000	0.000	1.000	1.000	1.000	44.46	4.066	1	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	9.55	0.00	SNB-H9fP	0.000		106.339	0.000	0.000	1.000	1.000	1.000	63.14	7.472	1	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	72.51	72.51	Rohn-DB71	-6.534	W+I 90 deg	6.759	16.200	16.312	0.500	0.500	0.500	173.34	11.238	4	1
WLAC-1	Wind Lacing 1	SAE	2X2X0.25	36.0	2.60	2.60	SNB-WL-D1P	-0.312	W+I 60 deg	9.011	0.000	0.000	1.000	1.000	1.000	124.79	4.066	4	0
WLAC-2	Wind Lacing 2	SAE	2.5X2.5X0.3125	36.0	4.01	4.01	SNB-WL-I1P	-0.347	W+I 60 deg	6.485	0.000	0.000	1.000	1.000	1.000	183.36	7.472	4	0
Rohn-D4a	Rohn Diagonal 4a	SAE	2.5X2.5X0.3125	36.0	91.11	91.11	Rohn-DD61	-8.521	W+I 0 deg	7.015	16.200	13.594	0.500	0.500	0.500	176.30	14.368	4	1
Rohn-D3a	Rohn Diagonal 3a	SAE	2.5X2.5X0.25	36.0	89.49	89.49	Rohn-DC51	-8.177	W+I 90 deg	6.854	16.200	10.875	0.500	0.500	0.500	161.02	13.177	4	1
SNB-D7a	SNB Diagonal 7a	SAE	5X5X0.5	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
SNB-D7b	SNB Diagonal 7b	DAE	4X4X0.25	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
SNB-D7c	SNB Diagonal 7c	SAE	5X5X0.4375	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L8a	Rohn Leg 8a	EXP-1	MOD-P8STD	50.0	62.69	62.69	Rohn-LI1P	-279.467	W+I 0 deg	334.331	0.000	0.000	1.000	1.000	1.000	43.22	10.008	1	0
Rohn-L7a	Rohn Leg 7a	EXP-2	MOD-P6SCH80	50.0	76.46	76.46	Rohn-LG2P	-232.586	W+I 0 deg	228.165	0.000	0.000	1.000	1.000	1.000	55.85	10.008	1	0
Rohn-L6a	Rohn Leg 6a	EXP-3	MOD-P6STD	50.0	80.37	80.37	Rohn-LF1P	-174.400	W+I 0 deg	162.747	0.000	0.000	1.000	1.000	1.000	55.25	10.008	1	0
Rohn-L5a	Rohn Leg 5a	EXP-4	MOD-P5SCH80	50.0	63.69	63.69	Rohn-LE3P	-155.940	W+I 0 deg	183.623	0.000	0.000	1.000	1.000	1.000	44.42	6.665	1	0
Rohn-L4a	Rohn Leg 4a	EXP-5	MOD-P5STD	50.0	67.55	67.55	Rohn-LD3P	-124.587	W+I 0 deg	138.328	0.000	0.000	1.000	1.000	1.000	43.96	6.665	1	0
Rohn-L3a	Rohn Leg 3a	EXP-6	MOD-P4SCH80	50.0	42.23	37.37	Rohn-LC3P	-82.849	W+I 0 deg	166.273	0.000	0.000	1.000	1.000	1.000	55.51	6.665	1	0
Rohn-L2a	Rohn Leg 2a	EXP-7	MOD-P3.5SCH80	50.0	27.40	27.16	Rohn-LB4P	-45.514	W+I 0 deg	125.693	0.000	0.000	1.000	1.000	1.000	47.74	5.004	1	0
Rohn-D4b	Rohn Diagonal 4b	SAE	2.5X2.5X0.375	36.0	85.04	85.04	Rohn-DD21	-10.479	W+I 0 deg	9.242	16.200	16.312	0.500	0.500	0.500	167.19	13.570	4	1

Group Summary (Tension Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Tens. %	Tension Control Member	Tension Force (kips)	Tension Control Load Case	Net Tens. Section Capacity (kips)	Conn. Shear Capacity (kips)	Conn. Bearing Capacity (kips)	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	71.90	23.97	Rohn-DA8P	2.607	W+I 0 deg	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	91.36	46.97	Rohn-DB5P	5.108	W+I 60 deg	12.639	16.200	8.156	9.527	10.934	1	1.000	0.6875
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	95.45	72.97	Rohn-DC42	7.935	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	66.28	57.14	Rohn-DD42	8.285	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	80.69	48.92	Rohn-DE3P	7.949	W+I 0 deg	30.910	16.200	12.187	15.234	15.188	1	1.000	0.6875
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	82.16	55.36	Rohn-DG42	8.995	W+I 90 deg	37.004	16.200	12.187	15.234	19.470	1	1.000	0.6875
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	82.40	75.00	Rohn-DI42	12.187	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	17.09	11.19	Rohn-LA42	12.664	W+I -60 de	84.900	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	48.26	0.00	Rohn-H22	0.000		13.392	0.000	0.000	0.000	8.870	0	0.000	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	10.08	7.84	SNB-DA82	1.421	W+I 90 deg	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	19.28	19.28	SNB-DB62	2.796	W+I 90 deg	16.707	16.200	10.875	12.703	8.011	1	1.000	0.6875
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	60.06	50.00	SNB-DD31	9.062	W+I -90 de	27.082	16.200	13.594	16.992	11.059	1	1.000	0.6875
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	65.53	44.40	SNB-DE42	14.209	W+I 90 deg	50.976	24.000	26.100	32.625	12.172	1	1.000	0.8125
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	33.87	32.71	SNB-DF11	10.467	W+I -90 de	72.726	24.000	26.100	32.625	15.014	1	1.000	0.8125
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	50.98	46.17	SNB-DH42	14.775	W+I 90 deg	89.222	24.000	32.625	40.781	17.700	1	1.000	0.8125
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	92.81	91.65	SNB-DI42	29.328	W+I 90 deg	116.410	24.000	32.625	40.781	18.841	1	1.000	0.8125
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	9.41	6.76	SNB-LA42	8.177	W+I -60 de	90.720	0.000	0.000	0.000	5.004	0	0.000	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	40.13	30.14	SNB-LC32	53.912	W+I -60 de	134.136	0.000	0.000	0.000	6.665	0	0.000	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	71.69	55.56	SNB-LD32	91.526	W+I -60 de	123.552	0.000	0.000	0.000	6.665	0	0.000	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	79.20	57.00	SNB-LF22	175.658	W+I -60 de	231.120	0.000	0.000	0.000	10.008	0	0.000	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	91.58	63.70	SNB-LH22	234.801	W+I -60 de	276.480	0.000	0.000	0.000	10.008	0	0.000	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	85.55	60.12	SNB-LI12	278.780	W+I -60 de	347.759	0.000	0.000	0.000	10.008	0	0.000	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.05	0.05	Connect IP	10.581	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	5.73	5.73	SNB-H4fP	6.770	W+I 90 deg	88.668	0.000	0.000	0.000	4.066	0	0.000	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	9.55	9.55	SNB-H9aP	17.082	W+I -60 de	134.136	0.000	0.000	0.000	7.472	0	0.000	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	72.51	23.81	Rohn-DB7P	5.143	W+I 0 deg	23.973	16.200	16.312	19.055	11.238	1	1.000	0.6875
WLAC-1	Wind Lacing 1	SAE	2X2X0.25	36.0	2.60	1.33	SNB-WL-D3P	0.361	W+I 0 deg	20.304	0.000	0.000	0.000	4.066	0	0.000	0
WLAC-2	Wind Lacing 2	SAE	2.5X2.5X0.3125	36.0	4.01	1.07	SNB-WL-G3P	0.449	W+I 0 deg	31.536	0.000	0.000	0.000	6.110	0	0.000	0
Rohn-D4a	Rohn Diagonal 4a	SAE	2.5X2.5X0.3125	36.0	91.11	27.42	Rohn-DD62	4.970	W+I 90 deg	27.082	16.200	13.594	16.992	14.368	1	1.000	0.6875
Rohn-D3a	Rohn Diagonal 3a	SAE	2.5X2.5X0.25	36.0	89.49	36.75	Rohn-DC51	5.328	W+I -90 de	22.144	16.200	10.875	13.594	13.177	1	1.000	0.6875
SNB-D7a	SNB Diagonal 7a	SAE	5X5X0.5	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
SNB-D7b	SNB Diagonal 7b	DAE	4X4X0.25	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
SNB-D7c	SNB Diagonal 7c	SAE	5X5X0.4375	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L8a	Rohn Leg 8a	EXP-1	MOD-P8STD	50.0	62.69	59.06	Rohn-LI12	232.933	W+I -60 de	395.312	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L7a	Rohn Leg 7a	EXP-2	MOD-P6SCH80	50.0	76.46	68.19	Rohn-LH22	214.914	W+I -60 de	292.362	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L6a	Rohn Leg 6a	EXP-3	MOD-P6STD	50.0	80.37	59.12	Rohn-LF22	158.682	W+I -60 de	207.657	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L5a	Rohn Leg 5a	EXP-4	MOD-P5SCH80	50.0	63.69	57.34	Rohn-LE32	131.200	W+I -60 de	218.625	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L4a	Rohn Leg 4a	EXP-5	MOD-P5STD	50.0	67.55	64.72	Rohn-LD32	104.328	W+I -60 de	164.262	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L3a	Rohn Leg 3a	EXP-6	MOD-P4SCH80	50.0	42.23	42.23	Rohn-LC32	69.937	W+I -60 de	212.541	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L2a	Rohn Leg 2a	EXP-7	MOD-P3.5SCH80	50.0	27.40	27.40	Rohn-LB41	37.700	W+I 60 deg	152.673	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-D4b	Rohn Diagonal 4b	SAE	2.5X2.5X0.375	36.0	85.04	27.59	Rohn-DD22	5.959	W+I 90 deg	32.020	16.200	16.312	20.391	13.570	1	1.000	0.6875

*** Maximum Stress Summary for Each Load Case

Summary of Maximum Usages by Load Case:

Load Case	Maximum Usage %	Element Label	Element Type

W+I -90 deg	92.80	SNB-DI22	Angle
W+I -60 deg	89.43	SNB-DI4P	Angle
W+I 0 deg	95.45	Rohn-DC21	Angle
W+I 60 deg	89.47	SNB-DI3P	Angle
W+I 90 deg	92.81	SNB-DI11	Angle
DL + Ice Only	53.66	SNB-DI2P	Angle

*** Weight of structure (lbs):

Weight of Angles*Section DLF:	66037.7
Weight of Equipment:	12155.2
Total:	78192.9

*** End of Report

CONNECTION BETWEEN TOWERS EVALUATION

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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

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

Yield Strength of Plate

$Fy_{plate} := 36ksi$

Plate Capacity

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

U-Bolt Size

$Dia_{ubolt} := \frac{1}{2}in$

U-Bolt Area

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

$Fy_{ubolt} := 58ksi$

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

Connection Capacity

$Capacity_{connection} := \min\left(Capacity_{bolt}, Capacity_{plate}, Capacity_{ubolt}\right)$

$Capacity_{connection} = 5.3 \cdot kip$

Max Connection Spacing

$Spacing := 5ft$

Connection Capacity per Foot

$Capacity_{LF} := \frac{Capacity_{connection}}{Spacing}$ $Capacity_{LF} = 1.06 \frac{kip}{ft}$

Max Connection Force

$F_{max} := 10.581kip$

Connection Spacing in PLS-Tower

$Spacing_{PLS.Tower} := 10ft$

Connection Force per Foot

$Force_{LF} := \frac{F_{max}}{Spacing_{PLS.Tower}}$ $Force_{LF} = 1.0581 \cdot kip$

Percent Capacity

$Percent_{capacity} := \frac{Force_{LF}}{\left(\frac{4}{3}Capacity_{LF}\right)}$ $Percent_{capacity} = 74.9 \cdot \%$

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

FOUNDATION EVALUATION

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From PLS-Tower Output Summary

Summary of Joint Support Reactions For All Load Cases:

Load Case	Joint Label	Long. Force (kips)	Tran. Force (kips)	Vert. Force (kips)	Shear Force (kips)	Tran. Moment (ft-k)	Long. Moment (ft-k)	Vert. Moment (ft-k)	Bending Moment (ft-k)	Found. Usage %
W+I -90 deg	RohnJP	9.86	1.94	19.63	10.05	-0.7	3.96	-0.03	4.02	0
W+I -90 deg	SNB-JP	22.94	3.19	19.42	23.16	0.74	6.75	0.03	6.79	0
W+I -90 deg	RohnJ1	3	6.68	249.25	7.33	0.79	-0.63	0.01	1.01	0
W+I -90 deg	RohnJ2	-12.85	23.79	-210.4	27.04	-6.17	-3.24	0.01	6.97	0
W+I -90 deg	SNB-J1	1.42	5.65	296.17	5.83	0.71	0.14	-0.02	0.72	0
W+I -90 deg	SNB-J2	-24.36	45.27	-257.64	51.41	-11.15	-6.77	-0.01	13.04	0
W+I -60 deg	RohnJP	0.21	1.57	149.29	1.58	-0.5	2.29	-0.02	2.34	0
W+I -60 deg	SNB-JP	6.91	2.68	175.5	7.41	0.73	3.25	0.03	3.33	0
W+I -60 deg	RohnJ1	-1.33	0.52	149.16	1.42	1.78	-1.49	0.02	2.32	0
W+I -60 deg	RohnJ2	-14.66	25.22	-239.97	29.17	-6.33	-3.72	0	7.34	0
W+I -60 deg	SNB-J1	-5.76	-4.66	175.4	7.41	3.19	-0.98	-0.03	3.33	0
W+I -60 deg	SNB-J2	-27.45	47.52	-292.96	54.88	-11.97	-6.92	0	13.83	0
W+I 0 deg	RohnJP	-11.46	-0.09	302.83	11.46	0.06	0.27	0	0.28	0
W+I 0 deg	SNB-JP	-12.71	-0.01	361.65	12.71	0.01	-0.96	0	0.96	0
W+I 0 deg	RohnJ1	-11.86	-16.88	-122.12	20.63	4.68	-3.54	0.03	5.87	0
W+I 0 deg	RohnJ2	-11.7	16.97	-122.24	20.61	-4.73	-3.45	-0.02	5.85	0
W+I 0 deg	SNB-J1	-23	-33.76	-151.8	40.85	9.48	-4.86	-0.02	10.66	0
W+I 0 deg	SNB-J2	-22.98	33.77	-151.9	40.85	-9.49	-4.85	0.02	10.66	0
W+I 60 deg	RohnJP	0.21	-1.66	149.29	1.67	0.55	2.29	0.02	2.35	0
W+I 60 deg	SNB-JP	6.91	-2.7	175.5	7.42	-0.72	3.25	-0.03	3.33	0
W+I 60 deg	RohnJ1	-14.73	-25.18	-239.86	29.17	6.31	-3.76	0	7.34	0
W+I 60 deg	RohnJ2	-1.25	-0.48	149.05	1.34	-1.81	-1.44	-0.01	2.31	0
W+I 60 deg	SNB-J1	-27.45	-47.52	-292.86	54.88	11.97	-6.92	0	13.83	0
W+I 60 deg	SNB-J2	-5.75	4.66	175.3	7.4	-3.19	-0.98	0.03	3.34	0
W+I 90 deg	RohnJP	9.86	-1.95	19.63	10.05	0.71	3.96	0.03	4.02	0
W+I 90 deg	SNB-JP	22.94	-3.19	19.42	23.16	-0.74	6.75	-0.03	6.79	0
W+I 90 deg	RohnJ1	-12.85	-23.79	-210.29	27.04	6.17	-3.24	-0.01	6.97	0
W+I 90 deg	RohnJ2	3	-6.68	249.14	7.32	-0.79	-0.63	-0.01	1.01	0
W+I 90 deg	SNB-J1	-24.36	-45.27	-257.54	51.41	11.15	-6.76	0.01	13.04	0
W+I 90 deg	SNB-J2	1.42	-5.65	296.07	5.83	-0.71	0.14	0.02	0.72	0
DL + Ice Only	RohnJP	9.78	0	19.65	9.78	0	3.98	0	3.98	0
DL + Ice Only	SNB-JP	22.79	0	19.39	22.79	0	6.8	0	6.8	0
DL + Ice Only	RohnJ1	-4.89	-8.47	19.52	9.78	3.45	-1.99	0	3.98	0
DL + Ice Only	RohnJ2	-4.89	8.47	19.41	9.78	-3.45	-1.99	0	3.98	0
DL + Ice Only	SNB-J1	-11.39	-19.74	19.28	22.79	5.89	-3.4	0	6.8	0
DL + Ice Only	SNB-J2	-11.4	19.74	19.18	22.79	-5.89	-3.4	0	6.8	0

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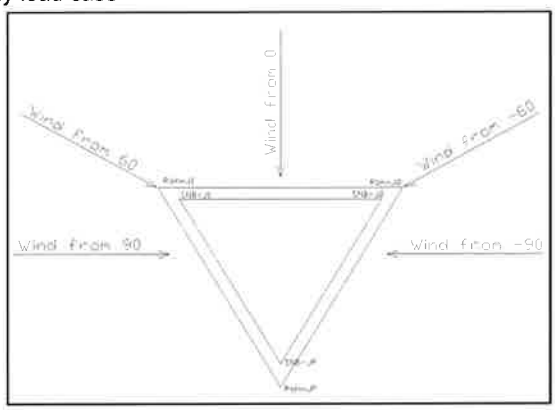
Load Case	Joint Label	Vert. Tower Forces (k)	Leg Moment Arm (ft)	Moment (ft-k)	Total Moment (ft-k)	Shear (k)	Total Shear (k)
W+I -90 deg	RohnJP	-0.02	0.00	0.00	10463.9	10.05	124.8
W+I -90 deg	SNB-JP	0.03	0.00	0.00		23.16	
W+I -90 deg	RohnJ1	229.73	11.42	2623.52		7.33	
W+I -90 deg	RohnJ2	-229.81	-11.42	2624.43		27.04	
W+I -90 deg	SNB-J1	276.89	9.42	2608.30		5.83	
W+I -90 deg	SNB-J2	-276.82	-9.42	2607.64		51.41	
W+I -60 deg	RohnJP	129.64	6.60	855.62	10224.5	1.58	101.9
W+I -60 deg	SNB-JP	156.11	5.44	849.24		7.41	
W+I -60 deg	RohnJ1	129.64	6.60	855.62		1.42	
W+I -60 deg	RohnJ2	-259.38	-13.18	3418.63		29.17	
W+I -60 deg	SNB-J1	156.12	5.44	849.29		7.41	
W+I -60 deg	SNB-J2	-312.14	-10.88	3396.08		54.88	
W+I 0 deg	RohnJP	283.18	13.18	3732.31	11187.2	11.46	147.1
W+I 0 deg	SNB-JP	342.26	10.88	3723.79		12.71	
W+I 0 deg	RohnJ1	-141.64	-6.60	934.82		20.63	
W+I 0 deg	RohnJ2	-141.65	-6.60	934.89		20.61	
W+I 0 deg	SNB-J1	-171.08	-5.44	930.68		40.85	
W+I 0 deg	SNB-J2	-171.08	-5.44	930.68		40.85	
W+I 60 deg	RohnJP	129.64	6.60	855.62	10224.5	1.67	101.9
W+I 60 deg	SNB-JP	156.11	5.44	849.24		7.42	
W+I 60 deg	RohnJ1	-259.38	-13.18	3418.63		29.17	
W+I 60 deg	RohnJ2	129.64	6.60	855.62		1.34	
W+I 60 deg	SNB-J1	-312.14	-10.88	3396.08		54.88	
W+I 60 deg	SNB-J2	156.12	5.44	849.29		7.40	
W+I 90 deg	RohnJP	-0.02	0.00	0.00	10463.9	10.05	124.8
W+I 90 deg	SNB-JP	0.03	0.00	0.00		23.16	
W+I 90 deg	RohnJ1	-229.81	-11.42	2624.43		27.04	
W+I 90 deg	RohnJ2	229.73	11.42	2623.52		7.32	
W+I 90 deg	SNB-J1	-276.82	-9.42	2607.64		51.41	
W+I 90 deg	SNB-J2	276.89	9.42	2608.30		5.83	

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

Dimensions taken from CAD drawing



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PIER AND MAT FOUNDATION ANALYSIS - 3 PIERS

TOWER FORCES:

Moment Caused by Tower	$M_t := 11187.2\,kip\cdot ft$
Shear at Base of Tower	$S_t := 147.1\,kip$
Height of Tower	$H_t := 180\,ft$
Width of Tower at Base	$W_t := 22.833\,ft$
Weight of Tower	$WT_t := 119.1\,kip$

FOOTING DIMENSIONS:

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

MATERIAL PROPERTIES:

Compressive Strength of Concrete	$f'c := 3000\,psi$	Unit Weight of Soil	$\gamma_s := 130\,pcf$
Yield Strength of Steel Reinforcement	$fy := 60000\,psi$	Unit Weight of Concrete	$\gamma_c := 150\,pcf$
Internal Friction Angle of Soil	$\phi_s := 36\,deg$	Depth to Neglect	$n := 0\,ft$
Allowable Bearing Capacity	$q_s := 4000\,psf$	Cohesion of Clay Type Soil Note: Use 0 for Sandy Soil	$c := 0\,ksf$

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 $Pos_{tower} := 2$

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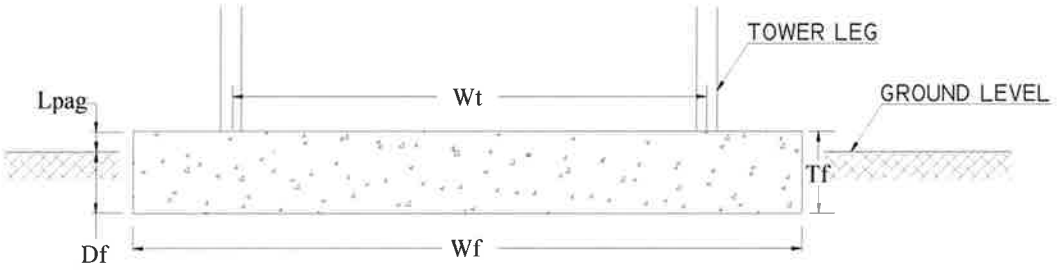
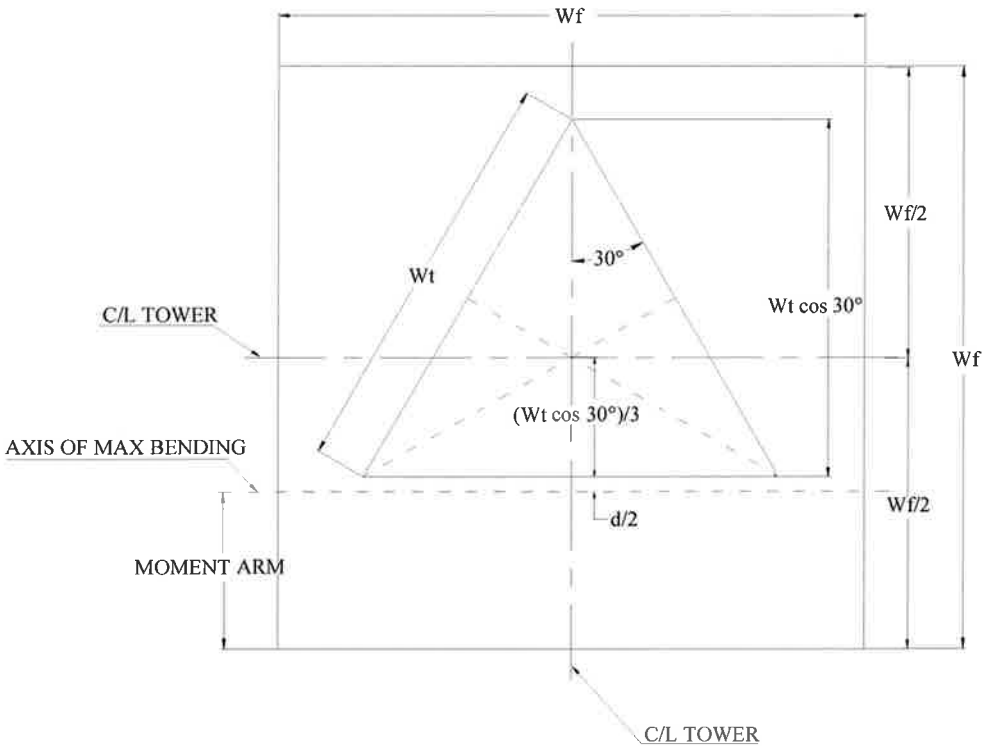
FOUNDATION OVERVIEW



ELEVATION



PLAN

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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: $WT_c := \left(W_f^2 \cdot T_f\right) \cdot \gamma_c$ $\quad WT_c = 1199.025 \cdot kip$

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:

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

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

Additional Offset of Footing:

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

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

Resisting Moment:

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

$M_r = 24975.003 \cdot kip \cdot ft$

Overturning Moment: $M_{ot} := M_t + S_t \cdot (T_f) + WT_t \cdot X_{off}$ $\quad M_{ot} = 12069.8 \cdot kip \cdot ft$

Factor of Safety: $FS := \frac{M_r}{M_{ot}}$ $\quad FS = 2.07$

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

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BEARING PRESSURE CHECK:

Pressure Applied:

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

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

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

$P_{max} := \frac{LOAD_{tot}}{A_{mat}} + \frac{M_{ot}}{S}$ $\quad P_{max} = 2.4787 \cdot ksf$

$P_{min} := \frac{LOAD_{tot}}{A_{mat}} - \frac{M_{ot}}{S}$ $\quad P_{min} = -0.4999 \cdot ksf$

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

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

Distance to Resultant of Pressure Distribution:

$X_p := \frac{P_{max}}{\frac{P_{max} - P_{min}}{W_f}} \cdot \frac{1}{3}$ $\quad X_p = 10.1248 \cdot ft$

Distance to Kern:

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

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

Eccentricity:

$e := \frac{M_{ot}}{LOAD_{tot}}$ $\quad e = 9.1568$

Adjusted Soil Pressure:

$q_a := \frac{2 \cdot LOAD_{tot}}{3 \cdot W_f \cdot \left(\frac{W_f}{2} - e\right)}$ $\quad q_a = 2.6476 \cdot ksf$

Revised Maximum:

$q_{max} := if\left(X_p < X_k, q_a, P_{max}\right)$ $\quad q_{max} = 2.6476 \cdot kip$

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