

JULIE D. KOHLER

PLEASE REPLY TO: Bridgeport
WRITER'S DIRECT DIAL: (203) 337-4157
E-Mail Address: jkohler@cohenandwolf.com

December 22, 2014

Attorney Melanie Bachman
Acting Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

**Re: Notice of Exempt Modification
Connecticut State Police Facility/T-Mobile equipment upgrade
T-Mobile Site ID CT 11070B
150 Butternut Hollow Road, Greenwich CT**

Dear Attorney Bachman:

This office represents T-Mobile Northeast LLC ("T-Mobile") and has been retained to file exempt modification filings with the Connecticut Siting Council on its behalf.

In this case, the Connecticut Department of Public Safety, Division of State Police owns the existing telecommunications tower and related facility at 150 Butternut Hollow Road, Greenwich Connecticut (41.09697209/-73.63885729). T-Mobile intends to remove three (3) antennas, and add six (6) antennas and related equipment at this existing facility in Greenwich ("Greenwich Facility"). Please accept this letter as notification, pursuant to R.C.S.A. § 16-50j-73, of construction which 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 the First Selectman, Peter Tesei and the State Police. The property is also owned by the State Police.

The existing Greenwich Facility consists of a 180 foot tower.¹ T-Mobile plans to remove three (3) antennas mounted on the tower at a centerline of 137 feet, add six (6) antennas, and replace three (3) TMAs (tower mounted amplifiers) at the same level. T-Mobile will also replace an equipment cabinet, install coax cables and fiber conduit and a cable bridge, all within the existing compound area near the base of the tower. (See the plans revised to April 16, 2013 attached hereto as Exhibit A)². The existing tower is structurally capable of

¹ The Greenwich Facility was approved as a 200 foot tower in Docket No. 150. T-Mobile filed a notice of intent to modify this Facility captioned EM-T-MOBILE-057-130220.

² The attached plans incorrectly depict T-Mobile at a centerline of 135 feet (instead of 137 feet). Corrected plans will be provided.

December 22, 2014
Site ID CT11070B
Page 2

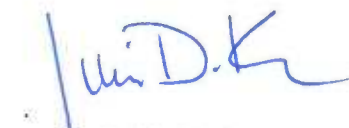
supporting T-Mobile's proposed equipment upgrade, as indicated in the structural analysis report dated April 15, 2013 and attached hereto as Exhibit B.

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

1. The proposed modification will not increase the height of the tower. T-Mobile's replacement and new antennas will be installed at the 137 foot level. The enclosed tower drawing confirms that the proposed modification will not increase the height of the tower.
2. The installation of the T-Mobile equipment in the existing compound, as reflected on the attached site plan, will not require an extension of the site boundaries. T-Mobile's proposed equipment will be located entirely within the existing compound area.
3. The proposed modification to the Facility will not increase the noise levels at the existing facility by six decibels or more.
4. The operation of the replacement antennas will not increase the total radio frequency (RF) power density, measured at the base of the tower, to a level at or above the applicable standard. According to a Radio Frequency Emissions Analysis Report prepared by EBI dated October 15, 2014 T-Mobile's operations would add 0.61% of the FCC Standard. Therefore, the calculated "worst case" power density for the planned combined operation at the site including all of the proposed antennas would be 64.02% of the FCC Standard as calculated for a mixed frequency site as evidenced by the engineering exhibit attached hereto as Exhibit C.

For the foregoing reasons, T-Mobile respectfully submits that the proposed replacement antennas and equipment at the Greenwich Facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2). Upon acknowledgement by the Council of this proposed exempt modification, T-Mobile shall commence construction approximately sixty days from the date of the Council's notice of acknowledgement.

Sincerely,



Julie D. Kohler

December 22, 2014
Site ID CT11070B
Page 3

cc: First Selectman Peter Tesei, Town of Greenwich
Department of Emergency Services and Public Protection – Division of State Police
Samuel Simons, T-Mobile Northeast LLC
Robert Stanford, Vertical Development, LLC

LAW OFFICES
COHEN AND WOLF, P.C.
REGULAR ACCOUNT
P.O. BOX 1821
BRIDGEPORT, CONNECTICUT 06601

DATE	INVOICE	AMOUNT

51-36/211

3373

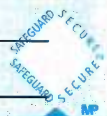
PAY COHEN & WOLF 625 DOLLARS DOLLARS

DATE	TO THE ORDER OF	CHECK NO.	AMOUNT
12-22-14	Ct. Safety Council	3373	625.00

T Mobil - New

CHECKS OVER \$1,000.00 REQUIRE TWO SIGNATURES

JPMorganChaseBank DANBURY, CT 06810



⑈003373⑈ ⑆021100361⑆5601045155⑈

EXHIBIT A

T-Mobile

NORTHEAST LLC.

SITE NAME: **GREENWICH-EAST**

SITE NUMBER: **CT11070B**

SITE ADDRESS: **150 BUTTERNUT HOLLOW ROAD
GREENWICH, CT 06830**

TECTONIC

• PLANNING • SURVEYING
• ENGINEERING • CONSTRUCTION
MANAGEMENT

TECTONIC Engineering & Surveying
Consultants P.C.

1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656
Fax: (845) 567-8703

T-Mobile
NORTHEAST LLC.

T-MOBILE NORTHEAST, LLC. PHONE: (973) 686-6500
4 SILVAN DRIVE
PARSONS, NJ 07054

APPROVALS

T-MOBILE _____
LANDLORD _____
RF _____
CONSTRUCTION _____
PROJECT NUMBER _____ DESIGNED BY _____
6203.CT11070B _____ GL _____

REV. DATE REVISION DRAWN BY
Δ 03/07/13 FOR COMMENT MP
∇ 04/16/13 PER COMMENTS SP

ISSUED BY _____ DATE _____

SITE INFORMATION
CT11070B
150 BUTTERNUT HOLLOW RD
GREENWICH, CT
06830

SHEET TITLE
TITLE SHEET
SHEET NUMBER
T-1

PROJECT SUMMARY

SITE NUMBER: CT11070B
SITE NAME: GREENWICH-EAST
SITE ADDRESS: 150 BUTTERNUT HOLLOW ROAD
GREENWICH, CT 06830
COUNTY: FAIRFIELD
PROPERTY OWNER: CONNECTICUT STATE POLICE
APPLICANT: T-MOBILE NORTHEAST LLC,
35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
(860) 692-7100
ENGINEER/
SURVEYOR/
STRUCTURAL ENG.: TECTONIC ENGINEERING &
SURVEYING CONSULTANTS P.C.
1279 ROUTE 300
NEWBURGH, NY 12550
CONTACT: TAMMY NOSEK
PHONE: (845) 567-6656 EXT. 807
SITE ACQUISITION: HPC WIRELESS
46 MILL PLAIN ROAD, 2ND FLOOR
DANBURY, CT 06811
CONTACT: AMY ENGLISH
PHONE: 716-880-6430
LATITUDE: (NAD 83) 41.09697209° N
LONGITUDE: (NAD 83) -73.63885729° W

SITE DIRECTIONS

HEAD NORTHEAST ON GRIFFIN ROAD SOUTH TOWARD W. NEWBERRY RD. TAKE THE 2ND RIGHT ONTO DAY HILL RD. SLIGHT RIGHT ONTO CT-187 S/BUE HILLS AVE. TURN LEFT ONTO CT-305 E. TAKE THE RAMP ONTO 1-91 S. KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR INTERSTATE 95 S/N.Y. CITY AND MERGE ONTO I-95 S. TAKE EXIT 19 TOWARD US-1/S PORT. MERGE ONTO PEASE AVE. SLIGHT RIGHT ONTO POST ROAD. CONTINUE ONTO U.S. 1 S/POST RD.

LOCATION MAP



SHEET INDEX

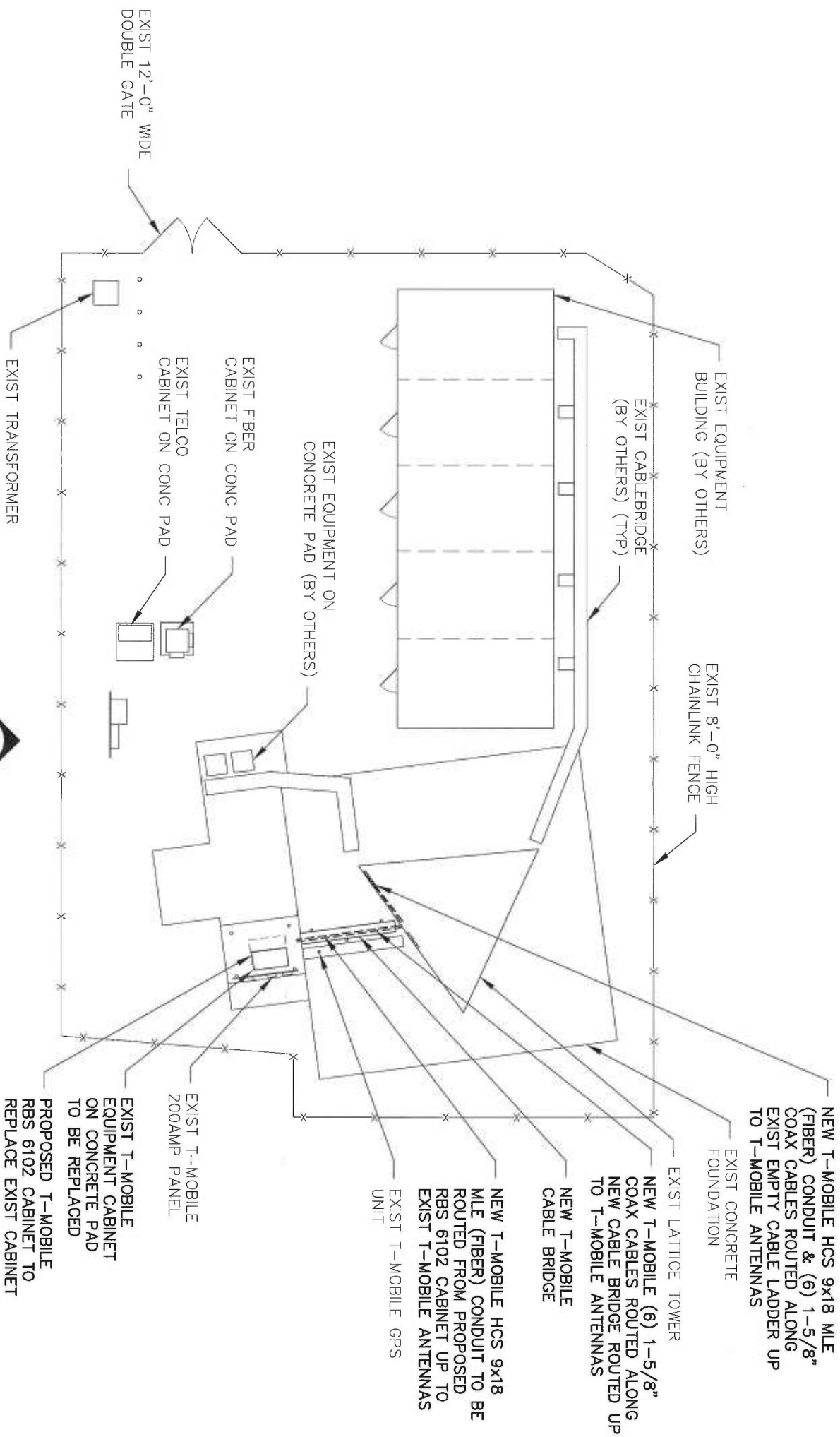
SHEET NO	DESCRIPTION	REV NO
T-1	TITLE SHEET	1
A-1	SITE PLAN	1
A-2	ELEVATION	1
A-3	ANTENNA PLAN & DETAIL	1
A-4	UTILITY, GROUNDING & CONFIG. DIAGRAMS	1
A-5	NOTES	1
A-6	NOTES	1

THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL ITEMS HAVE BEEN ADDRESSED AND EACH OF THE DRAWINGS HAS BEEN REVISED AND ISSUED "FOR CONSTRUCTION".

CONFIGURATION

2C



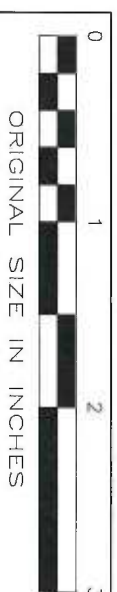


NOTES:

1. CONTRACTOR SHALL FIELD VERIFY THE ADEQUACY TO ROUTE THE HCS 9X18 MLE (FIBER) CABLES WITHIN THE EXISTING CABLE TRAY PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO MATCH ANTENNA AZIMUTHS AND DOWNLITS TO EXISTING CONDITION AND NOTIFY RF ENGINEER FOR ANY DISCREPANCY.
3. CONTRACTOR TO RE-VERIFY CABLE LENGTHS PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL FIELD VERIFY EXISTING ANTENNA MOUNT CONDITIONS, AND TIGHTEN ALL LOOSE ASSOCIATED HARDWARE IF REQUIRED.
5. NOT ALL SITE FEATURES ARE SHOWN FOR CLARITY.

SITE PLAN
 SCALE: 1/16" = 1'-0"

HCS LENGTH			
FROM EQUIPMENT CABINET TO ANTENNAS			
SECTOR	ALPHA	BETA	GAMMA
LENGTH	160'±	160'±	160'±
SIZE	1"		
9x18 MLE (1" OD, 1.03 LB/FT)			



CONFIGURATION
2C

TECTONIC

• PLANNING • SURVEYING
 • ENGINEERING • CONSTRUCTION
 MANAGEMENT

TECTONIC Engineering & Surveying
 Consultants P.C.

1279 Route 300
 Newburgh, NY 12550
 Phone: (845) 567-6656
 Fax: (845) 567-8703

T-Mobile
 NORTHEAST LLC.

T-MOBILE NORTHEAST, LLC PHONE: (973) 896-6500
 Parsippany, NJ 07054

APPROVALS

T-MOBILE LANDLORD RF CONSTRUCTION	DESIGNED BY
PROJECT NUMBER 6203.CT11070B	DATE

REV.	DATE	REVISION	DRAWN BY
0	03/07/13	FOR COMMENT	MP
1	04/16/13	PER COMMENTS	SP

ISSUED BY	DATE
-----------	------

SITE INFORMATION

CT11070B
 150 BUTTERNUT HOLLOW RD
 GREENWICH, CT
 06830

SITE TITLE	SHEET NUMBER
SITE PLAN	A-1

APPROVALS

T-MOBILE LANDLORD _____
RF _____
CONSTRUCTION _____
PROJECT NUMBER 6203.CT11070B DESIGNED BY _____
REV. DATE _____ REVISION _____ DRAWN BY _____

REV.	DATE	REVISION	DRAWN BY
0	03/07/13	FOR COMMENT	MP
1	04/16/13	PER COMMENTS	SP

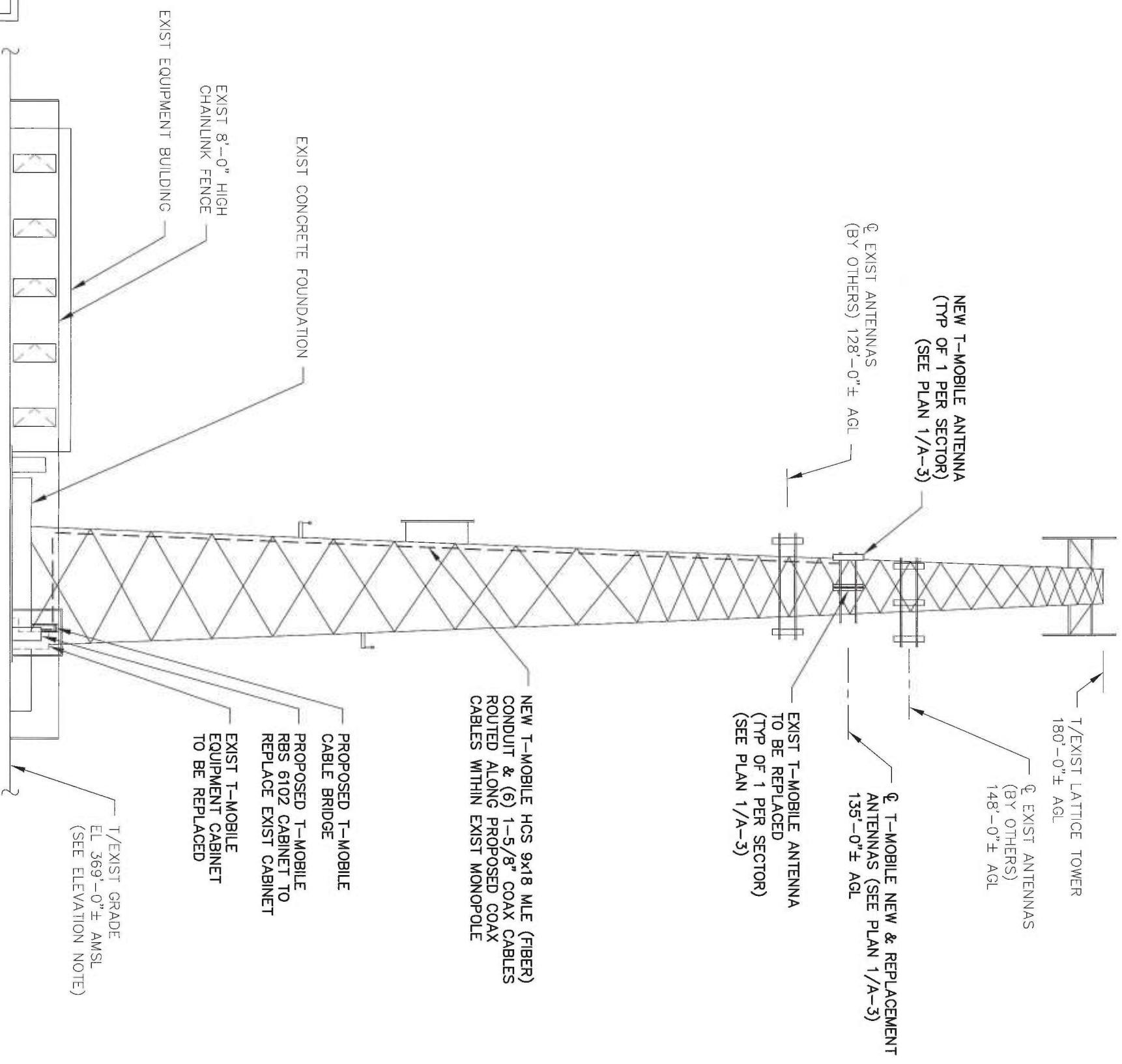
ISSUED BY _____ DATE _____

SITE INFORMATION
CT11070B
150 BUTTERNUT HOLLOW RD
GREENWICH, CT
06830

SHEET TITLE
ELEVATION

SHEET NUMBER
A-2

CONFIGURATION
2C



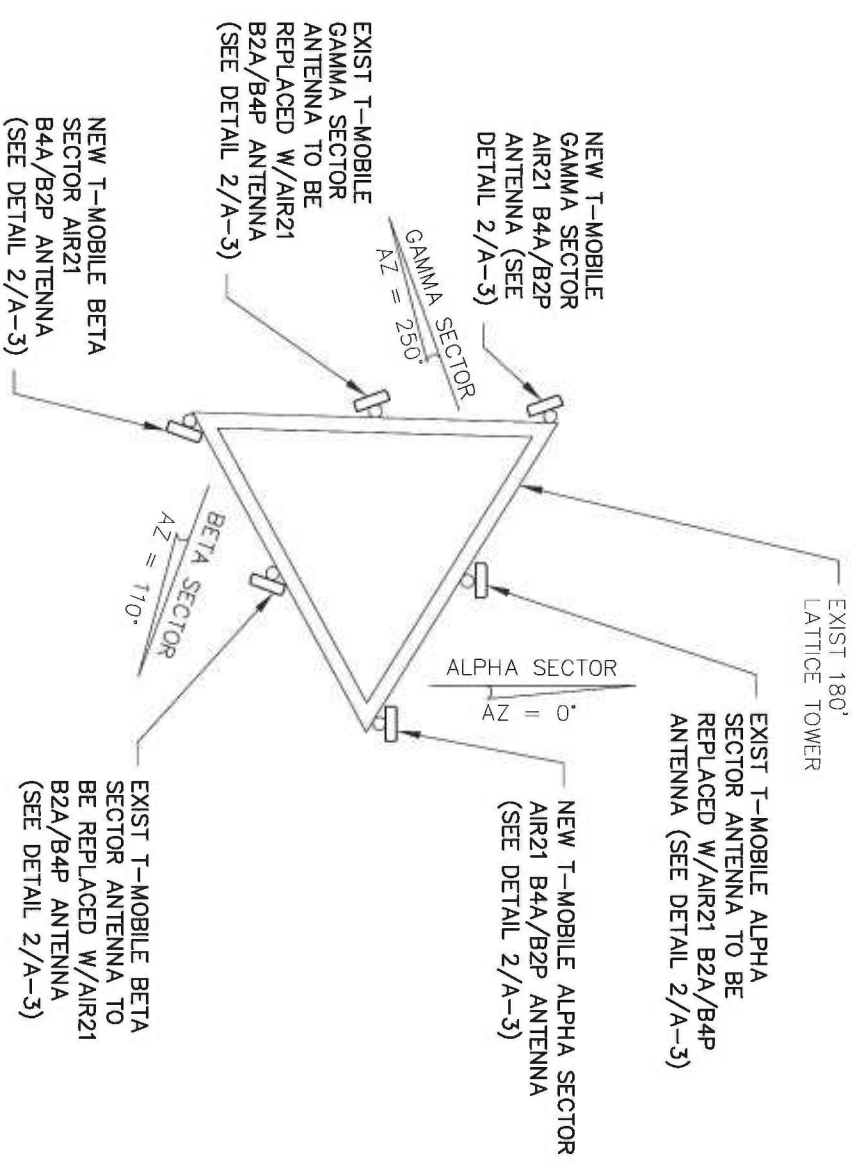
STRUCTURAL NOTE:
EXIST TOWER AND FOUNDATION EVALUATED FOR PROPOSED INSTALLATION BY URS CORPORATION AS OUTLINED IN THE DETAILED STRUCTURAL ANALYSIS REPORT DATED APRIL 15, 2013

ELEVATION NOTE:
ELEVATION OF EXIST SITE HAS BEEN ARBITRARILY ASSIGNED AS EL. 369'-0" ± TAKEN FROM U.S.G.S. QUAD MAP, AND DOES NOT NECESSARILY CORRESPOND TO ACTUAL ELEVATION ABOVE SEA LEVEL. ALL OTHER ELEVATIONS INDICATED WERE DETERMINED ON THIS BASIS.

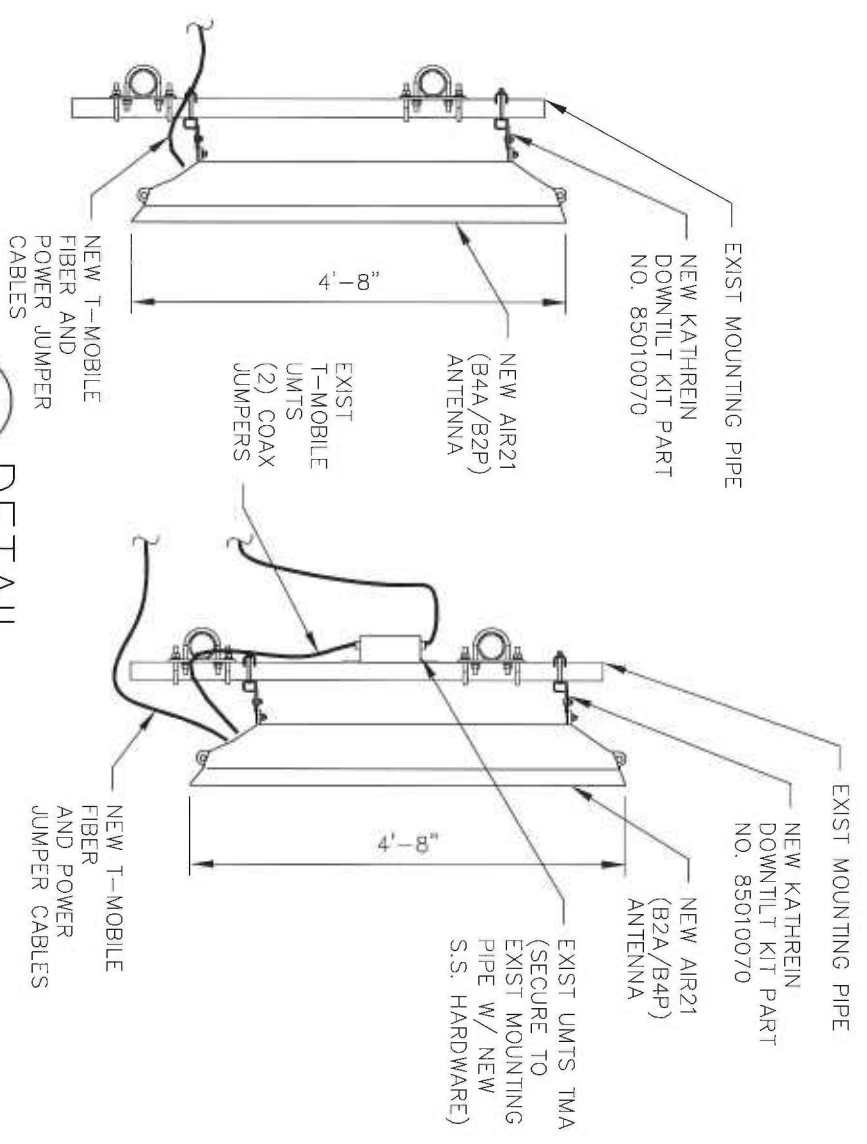
ELEVATION

SCALE: 1" = 20'-0"





2 ANTENNA PLAN
L-2
SCALE: 3/16" = 1'-0"



2 DETAIL
A-3
SCALE: 1/2" = 1'-0"



CONFIGURATION
2C

TECTONIC

• PLANNING • SURVEYING
• ENGINEERING • CONSTRUCTION MANAGEMENT

TECTONIC Engineering & Surveying Consultants P.C.

1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656
Fax: (845) 567-8703

T-Mobile

NORTHEAST LLC

T-MOBILE NORTHEAST, LLC PHONE: (973) 686-6500
1 SULLY DRIVE
FAIRFIELD, NJ 07034

APPROVALS

T-MOBILE LANDLORD
RF
CONSTRUCTION
PROJECT NUMBER 6203.CT11070B
DESIGNED BY
CL

REV	DATE	REVISION	DRAWN BY
Δ	03/07/13	FOR COMMENT	MP
Δ	04/16/13	PER COMMENTS	SP

ISSUED BY _____ DATE _____

SITE INFORMATION

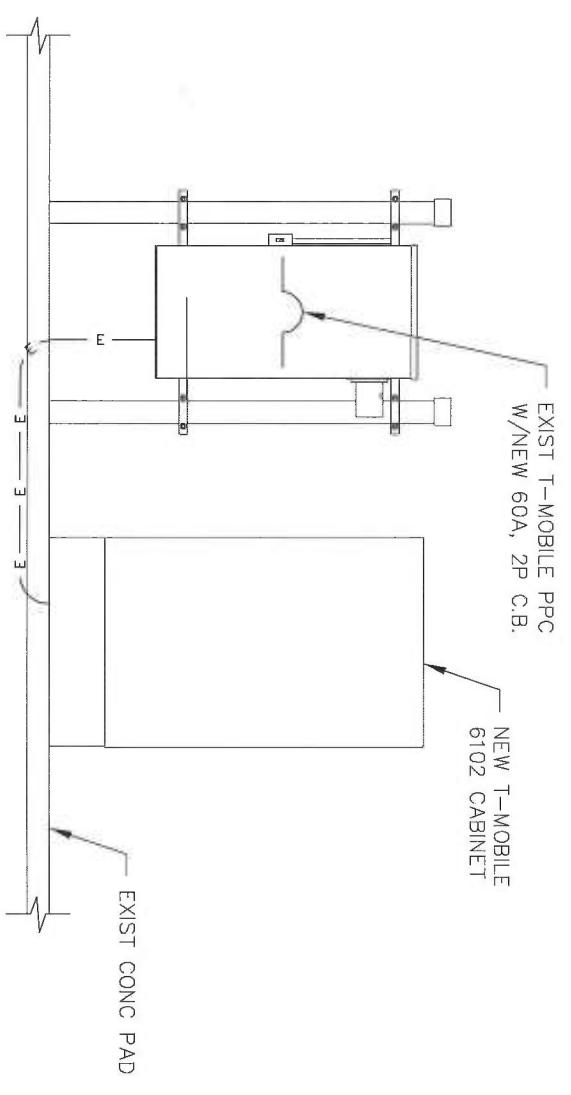
CT11070B
150 BUTTERNUT HOLLOW RD
GREENWICH, CT
06830

SHEET TITLE

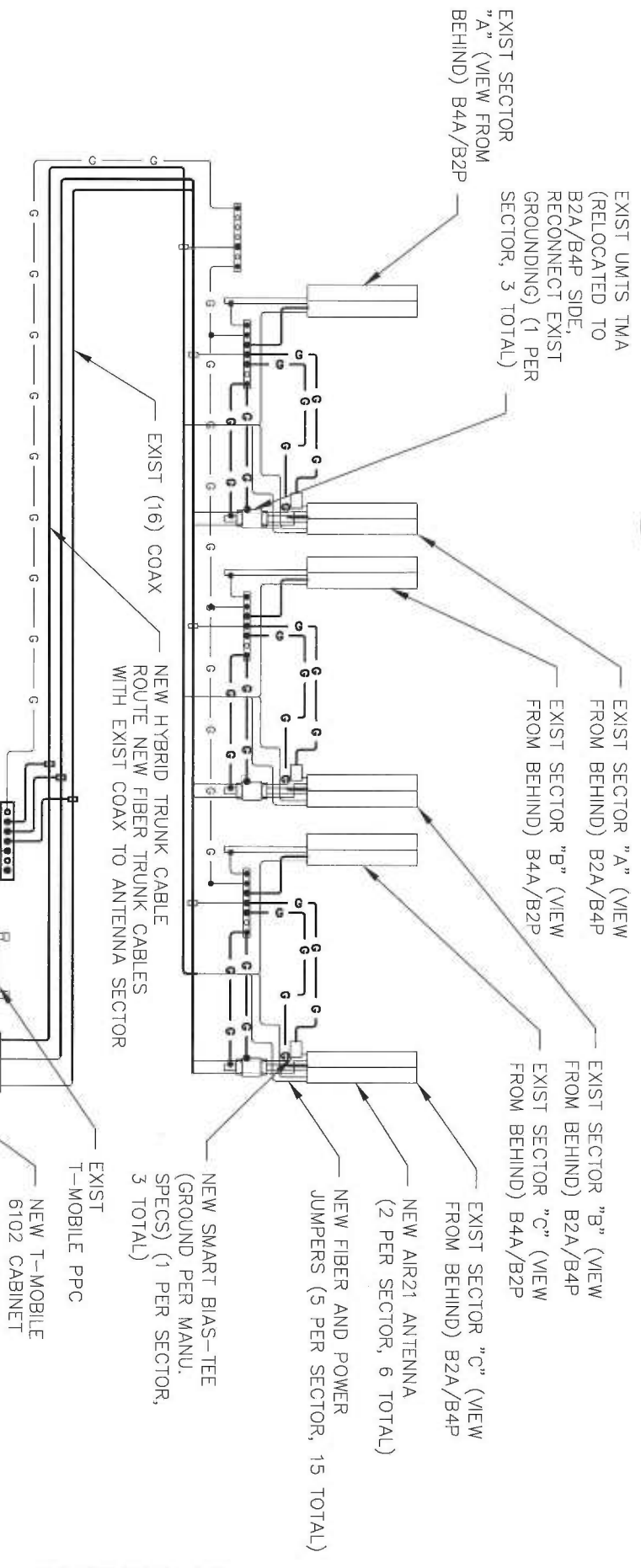
ANTENNA PLAN & DETAIL

SHEET NUMBER

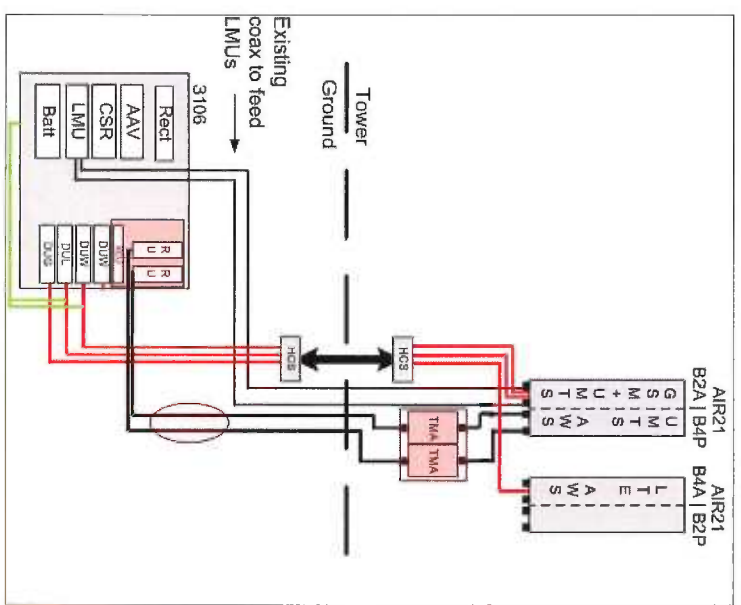
A-3



1
UTILITY DIAGRAM
SCALE: NTS



2
GROUNDING DIAGRAM
SCALE: NTS



3
CONFIG. DIAGRAM
SCALE: NTS

- GROUNDING SCHEDULE
- EXIST MGB (BUSSBAR #1)
 - EXIST EQUIPMENT GROUNDING
 - NEW #2AWG BARE TINNED SOLID COPPER CONDUCTOR BONDED TO GROUND RING (GROUND CABINETS PER MANU. SPECS)
- NOTES:
A. PROVIDE #2AWG GROUNDING CONDUCTOR, U.O.N.



GENERAL NOTES

1. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL HE OBTAINS, AT HIS OWN EXPENSE, ALL INSURANCE REQUIRED BY T-MOBILE, THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.
2. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED AND EACH OF THE DRAWINGS HAVE BEEN REVISED TO INDICATE "ISSUED FOR PERMIT"
3. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
4. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES OR OTHER PUBLIC AUTHORITIES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
6. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THIS PROJECT IN ACCORDANCE WITH THE OVERALL INTENT OF THESE DRAWINGS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
8. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
9. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
10. POWER TO THE FACILITY IS MONITORED BY AN EXISTING METER.
11. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
12. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.
13. IF ANY PIPING EXISTS BENEATH THE SITE AREA, CONTRACTOR MUST LOCATE IT AND CONTACT OWNER'S REPRESENTATIVE.
14. THE CONSTRUCTION CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ALL CONSTRUCTION MEANS AND METHODS. THE CONSTRUCTION CONTRACTOR IS ALSO RESPONSIBLE FOR ALL JOB SITE SAFETY.
15. 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 AND SUBMIT TO THE ENGINEER ANY DISCREPANCIES FROM THE DRAWINGS.
16. THE CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. THE 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 RELATED PARTIES. THE SUB-CONTRACTOR SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
17. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
18. ALL MATERIAL PROVIDED BY T-MOBILE IS TO BE REVIEWED BY THE CONTRACTOR AND ALL APPLICABLE SUB-CONTRACTORS PRIOR TO INSTALLATION. ANY DEFICIENCIES TO PROVIDE MATERIALS SHALL BE BROUGHT TO THE CONSTRUCTION MANAGER'S ATTENTION IMMEDIATELY.
19. THE MATERIALS INSTALLED SHALL MEET REQUIREMENTS OF CONTRACTORS DOCUMENTS. NO SUBSTITUTIONS ARE ALLOWED.

GENERAL NOTES

20. THE CONTRACTOR SHALL RECEIVE CLARIFICATION AND AUTHORIZATION IN WRITING TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONSTRUCTION DOCUMENTS.
21. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.
22. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST-ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAND PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
23. THE CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
25. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS MAY TAKE PRECEDENCE.
26. THE CONTRACTOR SHALL REPAIR ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.
27. THE CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
28. BEFORE FINAL ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT, TEMPORARY WORK, UNUSED AND USELESS MATERIALS, RUBBISH AND TEMPORARY STRUCTURES.
29. CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2005 STATE OF CONNECTICUT BUILDING CODE AND THE TIA/EIA-222-F STRUCTURAL STANDARD FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.

CONFIGURATION
2C



TECTONIC

• PLANNING • SURVEYING
• ENGINEERING • CONSTRUCTION
MANAGEMENT

TECTONIC Engineering & Surveying
Consultants P.C.
1278 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656
Fax: (845) 567-8703

T-Mobile
NORTHEAST LLC.

T-MOBILE NORTHEAST, LLC PHONE: (973) 886-6500
PASSPANY, NJ 07054

APPROVALS

T-MOBILE _____
LANDLORD _____
RE _____
CONSTRUCTION _____

DESIGNED BY _____
GL _____

PROJECT NUMBER 6203.CT110708

REV DATE REVISION DRAWN BY

03/07/13 FOR COMMENT MP
04/16/13 PER COMMENTS SP

ISSUED BY	DATE

SITE INFORMATION

CT110708
150 BUTTERNUT HOLLOW RD
GREENWICH, CT
06830

SHEET TITLE

NOTES

SHEET NUMBER

A-5

GROUNDING NOTES

1. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
2. ALL GROUNDING WORK SHALL BE IN ACCORDANCE WITH T-MOBILE STANDARD PRACTICE.
3. ALL BUS CONNECTORS SHALL BE TWO-HOLE, LONG-BARREL TYPE COMPRESSION LUGS, T&B OR EQUAL, UNLESS OTHERWISE NOTED ON DRAWINGS. ALL LUGS SHALL BE ATTACHED TO BUSSES USING BOLTS, NUTS, AND LOCK WASHERS. NO WASHERS ARE ALLOWED BETWEEN THE ITEMS BEING GROUNDED.
4. ALL CONNECTORS SHALL BE CRIMPED USING HYDRAULIC CRIMPING TOOLS, T&B #TBM 8 OR EQUIVALENT.
5. ALL CONNECTIONS SHALL BE MADE TO BARE METAL. ALL PAINTED SURFACES SHALL BE FILED TO ENSURE PROPER CONTACT. NO WASHERS ARE ALLOWED BETWEEN THE ITEMS BEING GROUNDED. ALL CONNECTIONS ARE TO HAVE A NON-OXIDIZING AGENT APPLIED PRIOR TO INSTALLATION.
6. ALL COPPER BUSSES SHALL BE CLEANED, POLISHED, AND A NON-OXIDIZING AGENT APPLIED. NO FINGERPRINTS OR DISCOLORED COPPER WILL BE PERMITTED.
7. ALL BENDS SHALL BE AS SHALLOW AS POSSIBLE, WITH NO TURN SHORTER THAN AN 8-INCH NOMINAL RADIUS.
8. GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER AND ANNEALED #2. ALL GROUNDING CONDUCTORS SHALL RUN THROUGH PVC SLEEVES WHEREVER CONDUCTORS RUN THROUGH WALLS, FLOORS, OR CEILINGS. IF CONDUCTORS MUST RUN THROUGH EMT, BOTH ENDS OF CONDUIT SHALL BE GROUNDED. SEAL BOTH ENDS OF CONDUIT WITH SILICONE CAULK.
9. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 10 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
10. ALL ROOF TOP ANTENNA MOUNTS SHALL BE GROUNDED WITH A #2 GROUND WIRE CONNECTED TO THE NEAREST GROUND BUS. ALL CONNECTIONS ARE TO BE CAD-WELDED IF POSSIBLE.
11. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO THE PROJECT MANAGER.
12. GROUNDING CONNECTION TO TRAVEL IN A DOWNWARD DIRECTION.
13. ALL EXPOSED #2 WIRE MUST BE TINNED NOT BTW.
14. TECTONIC TAKES NO RESPONSIBILITY OR LIABILITY FOR THE GROUNDING SYSTEM AS SHOWN ON THIS SITE. THIS IS A STANDARD GROUNDING SYSTEM.

TECTONIC
 • PLANNING • SURVEYING
 • ENGINEERING • CONSTRUCTION
 MANAGEMENT
TECTONIC Engineering & Surveying
 Consultants P.C.
 1279 Route 300
 Newburgh, NY 12550
 Phone: (845) 567-6656
 Fax: (845) 567-8703

T-Mobile
 NORTHEAST LLC

T-MOBILE NORTHEAST, LLC PHONE: (973) 896-6500
 LANDLORD _____
 PARSONS, NY 07654

APPROVALS

T-MOBILE _____
 LANDLORD _____
 RF _____
 CONSTRUCTION _____

PROJECT NUMBER 6203.CT110708 DESIGNED BY GL
 REV DATE REVISION DRAWN BY
 03/07/13 FOR COMMENT MP
 04/16/13 PER COMMENTS SP

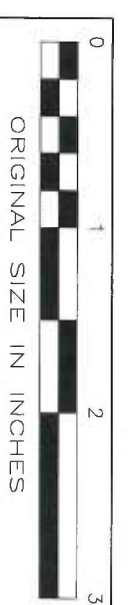
ISSUED BY	DATE

SITE INFORMATION
 CT11070B
 150 BUTTERNUT HOLLOW RD
 GREENWICH, CT
 06830

SHEET TITLE

NOTES

CONFIGURATION
2C



SHEET NUMBER
A-6

EXHIBIT B

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

**T-Mobile Site ID: CT11070B
Connecticut State Police #74
Butternut Hollow Road
Greenwich, Connecticut**

prepared for



**HPC/T-Mobile
64 Mill Plain Road
Danbury, CT 06811**

prepared by



**URS CORPORATION
500 ENTERPRISE DRIVE, SUITE 3B
ROCKY HILL, CT 06067
TEL. 860-529-8882**

**36922419.00000
HPC-059 (Rev 1)**

April 15, 2013

TABLE OF CONTENTS

1. EXECUTIVE SUMMARY
2. INTRODUCTION
3. ANALYSIS METHODOLOGY AND LOADING CONDITIONS
4. FINDINGS AND EVALUATION
5. CONCLUSIONS
6. DRAWINGS AND DATA
 - PLS-TOWER INPUT / OUTPUT SUMMARY
 - PLS-TOWER NODE LOCATIONS
 - PLS-TOWER MEMBER LOCATIONS
 - PLS-TOWER DETAILED OUTPUT
 - CONNECTION BETWEEN TOWERS EVALUATION
 - FOUNDATION EVALUATION

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 1/2" 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 T-Mobile installation is as follows:

Proposed Antenna and Mount	Carrier	Antenna Center Elevation
Remove		
(3) EMS RR90-17-02DP	T-Mobile	
(3) GSM TMAs	(Existing)	
Install		137'
(6) Ericsson AIR B4A/B2P	T-Mobile	
(3) AWS TMAs	(Proposed)	
(6) 1 5/8" Coax Cables		
(1) Fiber Cable		

Note: (6) Existing 1-5/8" Coax Cables to Remain.

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

This analysis is based on:

- 1) The tower structure's theoretical capacity not including any assessment of the condition of the tower.
- 2) Member sizes and tower geometry of the outer tower taken from manufacturers drawings prepared by Rohn Industries, Inc., file number 28325, dated December 28, 1992.
- 3) Member sizes and tower geometry of the inner tower taken from design calculations and drawings prepared by Towertek Industries Inc., signed and sealed May 9, 2002.
- 4) Foundation modifications taken from drawings prepared by Walker Engineering Incorporated, Job number 0206-237R2, signed and sealed November 26, 2002.
- 5) Previous structural analysis performed by URS Corporation, project number VZ5-041 / 36931188, signed and sealed August 2, 2010.
- 6) Previous structural analysis performed by URS Corporation, project number SAI067 (Rev 3) / 36924454, signed and sealed January 27, 2012.
- 7) Previous structural analysis performed by URS Corporation on behalf of Sprint, project number HPC-051 / 36917365, signed and sealed October 2, 2012.
- 8) Proposed T-Mobile installation taken from RFDS dated April 26, 2012.
- 9) Antenna inventory as specified in section 2 and 6 of this report.
- 10) Coax cable orientation as specified in section 6 of this report.

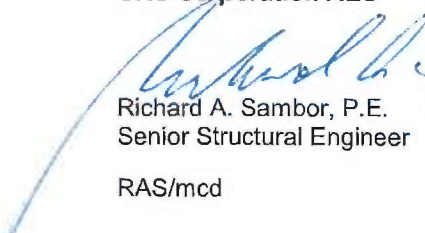
1. **EXECUTIVE SUMMARY** *(continued)*

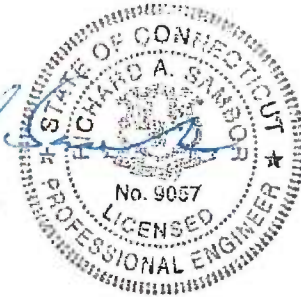
This report is only valid as per the assumptions and data utilized in this report for antenna inventory, mounts and associated cables. The contractor shall field verify the antenna and mount configuration used, as well as the physical condition of the tower members and connections. The engineer is to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

If you should have any questions, please call.

Sincerely,

URS Corporation AES


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



RAS/mcd

2. INTRODUCTION

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

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

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

Antenna Type	Carrier	Mount	Centerline Elevation / Leg	Cable
(6) Ericsson AIR B4A/B2P (3) AWS TMAs	T-Mobile (Proposed)	Shared with Above	137 / ABC	(6) 1-5/8" (1) Fiber Cable
(1) Celwave PD1142 (1) DB-586Y	NEU – 16 & 19 (existing)	Shared with Above	135 / B	(1) 1-5/8" (1) 7/8"
(1) Kreco CO41AN	NEU – 18 (existing)	Shared with Above	130 / A	(1) 7/8"
(6) DB 844 (2) P65-16-XL-2 (1) LNX-6514DS-T4M (3) MG D3-800T0	Verizon (existing)	Boom Gate	130 / ABC	(12) 1-5/8"
(3) APXVSP18-C Panel Antennas (6) RRH	Sprint (existing)	Boom Gate (existing)	117 / ABC	(3) Hybriflex Cables
(1) PD1142	NEU – 16 (existing)	Leg Mounted	110 / A	(1) 1-5/8"
(1) PD1142	CSP – 66 (existing)	Leg Mounted	80 / A	(1) 7/8"
(1) 10' Dipole	DOT – 56 (existing)	3' Arm	80 / B	(1) 7/8"
(1) PD-1142	DEP – 54 (existing)	Leg Mounted	80 / C	(1) 7/8"
GPS	GPS (existing)	Leg Mounted	60 / B	(1) 1/2"
GPS	GPS (existing)	Leg Mounted	60 / C	(1) 1/2"

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

3. ANALYSIS METHODOLOGY AND LOADING CONDITIONS

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

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

Load Condition 1 = 90 mph (fastest mile) Wind Load + Tower Dead Load

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

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

4. FINDINGS AND EVALUATION

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

Component	Allowable	Actual
Twist	0.75°	0.09°
Sway		0.79° (see note below)

Note: The existing tower structure is comprised of an original tower, manufactured by Rohn, and the second tower, designed by Towertek, built within the footprint of the original. The towers work in unison bracing and reinforcing each other. This evaluates the original tower. The calculated, combined tower deflection and tower sway on the original tower exceed CSP requirements by 0.04%. The second, inner tower provides additional resistance to the tower deflection and tower sway. Taken together, the existing tower structure will meet Connecticut State Police specification.

Component	Component Size	Controlling Member	Stress (% Capacity)	Pass/Fail
Rohn Diagonal	L2x2x3/16	Rohn-DB61	97.50	Pass
Rohn Leg	Pipe6EH	Rohn-LH2P	98.23	Pass
Rohn Horizontal	L1.75x1.75x3/16	RohnH12	15.66	Pass
SNB Diagonal	L5x5x5/8	SNB-DI11	72.28	Pass
SNB Leg	Pipe8XS	SNB-LH2P	99.18	Pass
SNB Horizontal	Pipe4x0.494	SNB-H91	5.77	Pass
Tower Connection	N/A	3/4" Bolt	76.4	Pass
Foundation	36.5' Square	Overturning Moment	94.4	Pass

5. CONCLUSIONS

The results of the analysis indicate that the tower structure is not overstressed with the proposed loading conditions. **The tower and foundation are considered structurally adequate under the TIA/EIA-222-F wind load specified above and the existing and proposed antenna loadings.** The calculated tower deflection (sway) is 0.79 degrees, and the tower rotation (twist) is 0.09 degrees. These are above the Connecticut State Police specification of 0.75 degrees for twist and sway, however there are redundant members in the tower not utilized in the analysis which will give additional stiffness and will reduce the deflection and rotation values below the Connecticut State Police specification.

Limitations/Assumptions:

This report is based on the following:

- A. Tower is properly installed and maintained.
- B. All members and their geometry are as specified in the original Project File and are in good condition.
- C. All required members are in place.
- D. All bolts are in place and are properly tightened.
- E. Tower is in plumb condition.
- F. All member protective coatings are in good condition.
- G. All tower members were properly designed, detailed, fabricated, installed, and have been properly maintained since erection.

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

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

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

Ongoing and Periodic Inspection and Maintenance:

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

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

6. DRAWINGS AND DATA

PLS-TOWER INPUT / OUTPUT SUMMARY

Project Name : HFC-051 / Sprint
 Project Notes : Butternut Hollow
 Project File : P:\08\PLS Tower\2butternut hollow greenwich, ct.tow
 Date run : 9:07:20 AM Monday, April 15, 2013
 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 appearance "1.5/8" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "1/2" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "7/8" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "1-1/4" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "elliptical" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "3/8" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "Optic Fiber Cable" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "DC Cable" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "Hybridflex Cables" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "Fiber Cable" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "1-5/8" (T-mobile) is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load; this is nonsensical ??
 Linear appearance "Hybridflex Cable (T-mobile)" 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 13 warnings. ??

Member check option: TUA/EIA 222-F
 Connection rupture check: ASCE 10
 Crossing diagonal check: ASCE 10 [Alternate Unsupported RLOUT = 1]
 Loads from file: P:\08\pls tower\hpc-059.eia

*** Analysis Results:

Maximum element usage is 99.16% for Angle "SNB-LH2F" in load case "WHI 0 deg"

Summary of Joint Support Reactions For All Load Cases:

Load Case	Joint Label	Long. Force (kips)	Trans. Force (kips)	Vert. Force (kips)	Shear (kips)	Tran. Moment (ft-k)	Long. Moment (ft-k)	Vert. Moment (ft-k)	Bending Moment (ft-k)	Found. Usage %
WHI -90 deg	RohnJF	5.14	2.63	22.61	5.78	-0.00	-0.00	-0.00	0.00	0.00
WHI -90 deg	SNB-JF	11.54	8.28	18.82	13.14	-0.00	-0.00	-0.00	0.00	0.00
WHI -90 deg	RohnJ1	3.50	8.64	235.87	5.32	-0.00	-0.00	-0.00	0.00	0.00
WHI -90 deg	RohnJ2	-8.59	17.29	-180.70	19.30	-0.00	-0.00	-0.00	0.00	0.00
WHI -90 deg	SNB-J1	5.07	15.24	320.84	16.06	-0.00	-0.00	-0.00	0.00	0.00
WHI -90 deg	SNB-J2	-16.67	34.96	-283.04	38.73	-0.00	-0.00	-0.00	0.00	0.00
WHI -60 deg	RohnJF	-2.91	2.10	137.17	3.59	-0.00	-0.00	-0.00	0.00	0.00
WHI -60 deg	RohnJ1	-3.74	5.35	188.91	6.53	-0.00	-0.00	-0.00	0.00	0.00
WHI -60 deg	SNB-JF	-3.74	3.68	137.30	3.72	-0.00	-0.00	-0.00	0.00	0.00
WHI -60 deg	RohnJ2	-10.40	18.23	-206.69	20.99	-0.00	-0.00	-0.00	0.00	0.00
WHI -60 deg	SNB-J1	-2.77	5.92	189.06	6.53	-0.00	-0.00	-0.00	0.00	0.00
WHI -60 deg	SNB-J2	-20.95	36.29	-321.35	41.90	-0.00	-0.00	-0.00	0.00	0.00
WHI 0 deg	RohnJF	-12.80	-0.28	273.51	12.80	-0.00	-0.00	-0.00	0.00	0.00
WHI 0 deg	SNB-JF	-22.60	-0.01	392.51	22.60	-0.00	-0.00	-0.00	0.00	0.00
WHI 0 deg	RohnJ1	-9.33	-10.78	-102.76	14.26	-0.00	-0.00	-0.00	0.00	0.00
WHI 0 deg	RohnJ2	-8.83	11.07	-102.99	14.16	-0.00	-0.00	-0.00	0.00	0.00
WHI 0 deg	SNB-J1	-19.33	-21.79	-167.81	29.13	-0.00	-0.00	-0.00	0.00	0.00
WHI 0 deg	SNB-J2	-19.31	21.79	-168.05	29.12	-0.00	-0.00	-0.00	0.00	0.00
WHI 60 deg	RohnJF	-2.91	-2.33	137.18	3.76	-0.00	-0.00	-0.00	0.00	0.00
WHI 60 deg	SNB-JF	-3.74	-5.35	188.90	6.54	-0.00	-0.00	-0.00	0.00	0.00
WHI 60 deg	RohnJ1	-10.65	-18.08	-206.69	20.98	-0.00	-0.00	-0.00	0.00	0.00
WHI 60 deg	RohnJ2	-10.30	-3.53	137.09	3.55	-0.00	-0.00	-0.00	0.00	0.00
WHI 60 deg	SNB-J1	-20.96	-36.28	-321.10	41.90	-0.00	-0.00	-0.00	0.00	0.00
WHI 60 deg	SNB-J2	-2.76	-5.92	188.81	6.53	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJF	5.14	-2.63	22.61	5.78	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-JF	11.54	-8.28	18.82	13.14	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ1	-3.50	-8.64	-235.87	-5.32	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ2	8.59	-17.29	180.70	-19.30	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J1	-5.07	-15.24	-320.84	-16.06	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J2	16.67	-34.96	283.04	-38.73	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJF	-2.91	2.10	137.17	3.59	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ1	-3.74	5.35	188.91	6.53	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-JF	-3.74	3.68	137.30	3.72	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ2	-10.40	18.23	-206.69	20.99	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J1	-2.77	5.92	189.06	6.53	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J2	-20.95	36.29	-321.35	41.90	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJF	-12.80	0.28	-273.51	-12.80	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-JF	-22.60	0.01	-392.51	-22.60	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ1	9.33	10.78	102.76	-14.26	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ2	8.83	-11.07	102.99	-14.16	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J1	19.33	21.79	167.81	-29.13	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J2	19.31	-21.79	168.05	-29.12	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJF	2.91	2.33	137.18	3.76	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-JF	3.74	5.35	188.90	6.54	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ1	10.65	18.08	206.69	20.98	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ2	10.30	3.53	137.09	3.55	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J1	20.96	36.28	321.10	41.90	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J2	2.76	5.92	188.81	6.53	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJF	-5.14	2.63	-22.61	-5.78	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-JF	-11.54	8.28	-18.82	-13.14	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ1	3.50	8.64	235.87	5.32	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ2	-8.59	-17.29	-180.70	-19.30	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J1	-5.07	-15.24	-320.84	-16.06	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J2	16.67	-34.96	283.04	-38.73	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJF	-2.91	-2.10	-137.17	-3.59	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ1	-3.74	-5.35	-188.91	-6.53	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-JF	-3.74	-3.68	-137.30	-3.72	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	RohnJ2	-10.40	-18.23	-206.69	-20.99	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J1	-2.77	-5.92	-189.06	-6.53	-0.00	-0.00	-0.00	0.00	0.00
WHI 90 deg	SNB-J2	-20.95	-36.29	-321.35	-41.90	-0.00	-0.00	-0.00	0.00	0.00

W+I 90 deg SNE-J2 5.07 -15.24 320.59 16.06 -0.00 -0.00 -0.00 0.00 0.00
DL + Ice Only Rehn-JP 4.99 -0.00 22.63 4.99 -0.00 -0.00 -0.00 0.00 0.00
DL + Ice Only SNE-JP 11.40 0.00 18.81 11.40 -0.00 -0.00 -0.00 0.00 0.00
DL + Ice Only Rehn-J1 -2.49 -4.32 22.75 4.99 -0.00 -0.00 -0.00 0.00 0.00
DL + Ice Only Rehn-J2 -2.50 4.32 22.56 4.99 -0.00 -0.00 -0.00 0.00 0.00
DL + Ice Only SNE-J1 -5.70 -9.88 18.95 11.40 -0.00 -0.00 -0.00 0.00 0.00
DL + Ice Only SNE-J2 -5.70 9.87 18.71 11.40 -0.00 -0.00 -0.00 0.00 0.00

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

Load Case	Support Joint	Origin Joint	Leg Force In Residual Shear			Residual Shear			Total Shear			Total			
			Member Leg Dir.	Perpendicular	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal	Long.	Trans.	Trans.	Vert.		
			(kips)			(kips)			(kips)			(kips)			
			To Leg	To Leg	To Leg	To Leg	To Leg	To Leg	To Leg	To Leg	To Leg	To Leg	To Leg	To Leg	To Leg
W+I -90 deg	Rehn-JP	Rohn-Jas	22.390	6.578	6.583	-2.631	-6.034	5.14	2.63	22.61					
W+I -90 deg	SNE-JP	SNE-IJ2P	18.352	13.789	13.797	-6.279	-12.286	11.54	6.28	18.82					
W+I -90 deg	Rohn-J1	Rohn-IJ21	226.055	1.325	1.325	-0.911	0.962	3.50	8.64	225.87					
W+I -90 deg	Rohn-J2	Rohn-IJ22	-181.318	12.189	12.189	-11.407	5.023	-8.59	17.29	-180.70					
W+I -90 deg	SNE-J1	SNE-IJ21	321.211	4.476	4.477	-4.302	1.239	5.07	15.24	320.84					
W+I -90 deg	SNE-J2	SNE-IJ22	-284.335	27.621	27.642	-25.117	11.098	-16.67	34.96	-283.04					
W+I -60 deg	Rehn-JP	Rohn-IJ2P	137.177	3.273	3.274	-2.104	-2.509	-2.91	2.10	137.17					
W+I -60 deg	SNE-JP	SNE-IJ2S	188.913	6.498	6.499	-5.350	-3.690	-3.74	5.35	188.91					
W+I -60 deg	Rohn-J1	Rohn-IJ21	137.309	3.414	3.414	-1.020	6.321	-10.40	18.53	137.30					
W+I -60 deg	Rohn-J2	Rohn-IJ22	-207.356	12.826	12.826	-11.461	6.321	-10.40	18.53	-206.69					
W+I -60 deg	SNE-J1	SNE-IJ21	189.057	6.308	6.310	-0.324	14.628	-20.95	36.83	189.06					
W+I -60 deg	SNE-J2	SNE-IJ22	-324.744	29.233	29.256	-25.537	14.628	-20.95	36.83	-321.35					
W+I 0 deg	Rehn-JP	Rohn-IJ2P	273.906	2.010	2.012	0.284	1.992	-12.80	-0.28	273.51					
W+I 0 deg	SNE-JP	SNE-IJ2S	393.091	7.154	7.160	0.013	7.160	-22.60	-0.01	392.51					
W+I 0 deg	Rohn-J1	Rohn-IJ21	-103.237	10.300	10.300	7.262	7.305	-9.33	-10.79	-102.76					
W+I 0 deg	Rohn-J2	Rohn-IJ22	-103.459	10.150	10.158	-7.548	6.798	-9.83	11.07	-102.99					
W+I 0 deg	SNE-J1	SNE-IJ21	-168.806	22.660	22.696	-16.069	16.029	-19.33	-21.79	-167.81					
W+I 0 deg	SNE-J2	SNE-IJ22	-169.042	22.661	22.678	-16.064	16.007	-19.31	-21.79	-168.05					
W+I 60 deg	Rehn-JP	Rohn-IJ2P	137.189	3.469	3.470	2.393	-2.513	-2.91	-2.39	137.18					
W+I 60 deg	SNE-JP	SNE-IJ2S	188.905	6.510	6.512	5.364	-3.692	-3.74	-5.36	188.90					
W+I 60 deg	Rohn-J1	Rohn-IJ21	-127.156	12.817	12.827	11.013	6.577	-10.65	-18.08	-126.49					
W+I 60 deg	Rohn-J2	Rohn-IJ22	137.099	3.223	3.224	-1.157	3.009	-0.30	-3.33	137.09					
W+I 60 deg	SNE-J1	SNE-IJ21	-322.495	29.242	29.265	25.941	14.638	-20.96	-36.28	-321.10					
W+I 60 deg	SNE-J2	SNE-IJ22	188.814	6.496	6.497	-0.515	6.477	-2.76	-5.92	188.81					
W+I 90 deg	Rehn-JP	Rohn-IJ2P	22.303	6.586	6.586	2.632	-6.037	5.14	-2.63	22.61					
W+I 90 deg	SNE-JP	SNE-IJ2S	18.350	13.789	13.789	6.282	-12.285	11.54	-6.28	18.82					
W+I 90 deg	Rohn-J1	Rohn-IJ21	-181.117	12.191	12.191	11.107	5.024	-8.59	-17.28	-180.50					
W+I 90 deg	Rohn-J2	Rohn-IJ22	225.856	1.328	1.328	0.917	0.961	3.50	-8.64	225.67					
W+I 90 deg	SNE-J1	SNE-IJ21	-284.087	27.650	27.651	25.324	11.103	-16.67	-34.96	-282.79					
W+I 90 deg	SNE-J2	SNE-IJ22	320.561	4.486	4.488	4.314	1.237	5.07	-15.24	320.59					
DL + Ice Only	Rehn-JP	Rohn-IJ2P	22.417	5.878	5.883	0.001	-5.883	4.99	-0.00	22.63					
DL + Ice Only	SNE-JP	SNE-IJ2S	18.343	12.143	12.143	0.002	-12.143	11.40	-0.00	18.81					
DL + Ice Only	Rohn-J1	Rohn-IJ21	22.540	5.885	5.885	5.097	2.942	-2.49	-4.32	22.75					
DL + Ice Only	Rohn-J2	Rohn-IJ22	22.341	5.881	5.881	-5.093	2.941	-2.50	4.32	22.56					
DL + Ice Only	SNE-J1	SNE-IJ21	18.489	12.149	12.149	10.521	6.074	-5.70	-9.88	18.95					
DL + Ice Only	SNE-J2	SNE-IJ22	18.243	12.139	12.139	-10.511	6.070	-5.70	9.87	18.71					

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 Area (ft^2)	Face Adjust Factor	Area Adjust Factor	Dead Load Factor
A	180.000	160.000	30	99	7.50	8.87	163.75	0.9000	1.0000	1.0000	1.000
B	160.000	140.000	30	87	8.87	10.23	194.05	0.9000	1.0000	1.0000	1.000
C	140.000	120.000	24	66	10.23	11.60	218.31	0.9000	1.0000	1.0000	1.000
D	120.000	100.000	24	56	11.60	12.96	245.54	0.9000	1.0000	1.0000	1.000
E	100.000	80.000	24	56	12.96	14.32	272.79	0.9000	1.0000	1.0000	1.000
F	80.000	60.000	18	45	14.32	15.68	300.04	0.9000	1.0000	1.0000	1.000
G	60.000	40.000	18	45	15.68	17.05	327.29	0.9000	1.0000	1.0000	1.000
H	40.000	20.000	18	45	17.05	18.41	354.57	0.9000	1.0000	1.0000	1.000
I	20.000	0.000	18	39	18.41	19.78	381.92	0.9000	1.0000	1.0000	1.000

*** Overall summary for all load cases - Usage = Maximum Stress / Allowable Stress
 Printed capacities do not include AIA 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	Steel Strength (Ksi)	Max Usage %	Max In Comp %	Comp. Control Member	Comp. Control Load Case	L/R Comp. Capacity (kips)	Comp. Shear Capacity (kips)	Comp. Conn. Bearing Capacity (kips)	RLX	RLZ	L/R Length Member (ft)	Curve No.	No. Of Bolts	No. Of Holes	Comp.		
Rohn-D1	Rohn Diagonal 1	SAE 1.75X1.75X0.1875	36.0	76.75	76.75	Rohn-D1	-3.075 W+1 0 deg	3.005	16.200	8.156	500	500	500	175	53	10	034	4	
Rohn-D2	Rohn Diagonal 2	2X2X0.1875	36.0	97.50	97.50	Rohn-D561	-4.972 W+1 0 deg	3.824	16.200	8.156	500	500	500	166	50	10	934	4	
Rohn-D3	Rohn Diagonal 3	2.5X2.5X0.1875	36.0	93.47	93.47	Rohn-D561	-6.249 W+1 0 deg	5.280	16.200	8.156	500	500	500	159	72	13	177	4	
Rohn-D4	Rohn Diagonal 4	2.5X2.5X0.25	36.0	83.47	83.47	Rohn-D561	-7.183 W+1 0 deg	5.764	16.200	10.875	500	500	500	159	72	13	177	4	
Rohn-D5	Rohn Diagonal 5	3X3X0.25	36.0	65.83	65.83	Rohn-D561	-7.561 W+1 0 deg	8.615	16.200	17.187	500	500	500	157	99	15	589	4	
Rohn-D6	Rohn Diagonal 6	3.5X3.5X0.25	36.0	65.89	65.89	Rohn-D561	-8.842 W+1 0 deg	10.065	16.200	17.187	500	500	500	156	34	18	315	4	
Rohn-D7	Rohn Diagonal 7	4X4X0.25	36.0	65.86	65.86	Rohn-D561	-9.887 W+1 0 deg	11.259	16.200	17.187	500	500	500	150	41	21	254	4	
Rohn-L1	Rohn Leg 1	Pipe 3ER	50.0	35.42	35.42	Rohn-L1	-14.031 W+1 0 deg	67.718	0.000	0.000	0.000	0.000	0.000	900	52	67	5.004	0	
Rohn-L2	Rohn Leg 2	Pipe 3ER	50.0	45.54	45.54	Rohn-L1	-14.031 W+1 0 deg	85.952	0.000	0.000	0.000	0.000	0.000	900	52	67	5.004	0	
Rohn-L3	Rohn Leg 3	Pipe 4EH	50.0	57.06	57.06	Rohn-L3	-40.589 W+1 0 deg	68.522	0.000	0.000	0.000	0.000	0.000	900	54	04	6.665	0	
Rohn-L4	Rohn Leg 4	Pipe 4EH	50.0	82.37	82.37	Rohn-L3	-112.724 W+1 0 deg	102.644	0.000	0.000	0.000	0.000	0.000	900	400	42	54	6.665	0
Rohn-L5	Rohn Leg 5	Pipe 5EH	50.0	75.16	75.16	Rohn-L3	-145.414 W+1 0 deg	145.117	0.000	0.000	0.000	0.000	0.000	900	43	23	5.665	0	
Rohn-L6	Rohn Leg 6	Pipe 6EH	50.0	84.61	84.61	Rohn-L3	-179.392 W+1 0 deg	159.025	0.000	0.000	0.000	0.000	0.000	900	54	10	10.008	0	
Rohn-L7	Rohn Leg 7	Pipe 6EH	50.0	98.23	98.23	Rohn-L3	-243.774 W+1 0 deg	186.124	0.000	0.000	0.000	0.000	0.000	900	54	10	10.008	0	
Rohn-L8	Rohn Leg 8	Pipe 6EH	50.0	80.27	80.27	Rohn-L3	-271.757 W+1 0 deg	253.910	0.000	0.000	0.000	0.000	0.000	900	57	10	10.008	0	
Rohn-H1	Rohn Horizontal 1	SAE 1.75X1.75X0.1875	36.0	13.66	15.66	Rohn-H12	-1.121W+1 60 deg	5.372	0.000	0.000	0.000	500	500	500	131	38	7	505	4
Rohn-H2	Rohn Horizontal 2	2X2X0.3125	36.0	13.70	13.70	Rohn-H12	-2.121W+1 50 deg	13.207	16.200	13.594	500	500	500	111	38	7	505	4	
Rohn-H3	Rohn Horizontal 3	2X2X0.25	36.0	23.33	23.33	Rohn-H562	-2.683W+1 -50 deg	9.268	16.200	10.975	500	500	500	122	32	8	011	4	
Rohn-H4	Rohn Horizontal 4	3X3X0.5	36.0	49.64	49.64	Rohn-H562	-7.359 W+1 0 deg	11.119	16.200	13.594	500	500	500	140	03	11	412	4	
Rohn-H5	Rohn Horizontal 5	4X4X0.5	36.0	44.09	44.09	Rohn-H562	-9.522 W+1 0 deg	27.655	16.200	24.756	500	500	500	121	07	11	184	4	
Rohn-H6	Rohn Horizontal 6	4X4X0.5	36.0	29.01	28.14	Rohn-H562	-9.008W+1 -90 deg	39.016	24.000	32.625	500	500	500	139	15	15	529	4	
Rohn-H7	Rohn Horizontal 7	5X5X0.5	36.0	39.40	37.01	Rohn-H562	-11.846W+1 90 deg	39.490	24.000	32.625	500	500	500	122	04	15	529	4	
Rohn-L1	Rohn Leg 1	Pipe 3ER	50.0	72.28	72.28	Rohn-L1	-23.128W+1 90 deg	66.757	24.000	37.563	500	500	500	100	52	08	5.004	0	
Rohn-L2	Rohn Leg 2	Pipe 4EH	50.0	12.53	12.53	Rohn-L1	-42.952 W+1 0 deg	0.000	0.000	0.000	0.000	0.000	0.000	52	93	6	665	0	
Rohn-L3	Rohn Leg 3	Pipe 5EH	50.0	31.50	31.50	Rohn-L1	-73.308 W+1 0 deg	110.526	0.000	0.000	0.000	0.000	0.000	500	43	3	6.665	0	
Rohn-L4	Rohn Leg 4	Pipe 5EH	50.0	84.78	84.78	Rohn-L1	-126.743 W+1 0 deg	180.683	0.000	0.000	0.000	0.000	0.000	500	100	008	10.008	0	
Rohn-L5	Rohn Leg 5	Pipe 6EH	50.0	86.13	86.13	Rohn-L1	-152.483 W+1 0 deg	243.879	0.000	0.000	0.000	0.000	0.000	1000	400	41	70	10.008	0
Rohn-L6	Rohn Leg 6	Pipe 6EH	50.0	91.39	91.39	Rohn-L1	-186.766 W+1 0 deg	317.480	0.000	0.000	0.000	0.000	0.000	33	09	10	10.008	0	
Rohn-L7	Rohn Leg 7	Pipe 6EH	50.0	04.04	04.04	Connect	131 -2.747W+1 60 deg	1702.963	0.000	0.000	0.000	1000	1000	0.000	2.41	2.004	1	0	
Connect	SMB Horizontal 1	Pipe 6EH	36.0	1.56	1.22	SMB-H51	-1.255 W+1 0 deg	77.281	0.000	0.000	0.000	500	500	44.46	0.132	0	0	0	
Rohn-H1	Rohn Horizontal 1	SAE 1.75X1.75X0.1875	36.0	5.77	1.68	Rohn-H51	-2.664 W+1 0 deg	119.111	0.000	0.000	0.000	500	500	40.11	9.493	0	0	0	
Rohn-H2	Rohn Horizontal 2	2X2X0.375	36.0	35.91	35.91	Rohn-H51	-5.038 W+1 0 deg	6.759	16.200	16.312	500	500	500	173	34	11	238	4	

Group Summary (Tension Portion):

Group Label	Group Desc.	Angle Type	Steel Strength (Ksi)	Max Usage %	Max In Tens. %	Comp. Control Member	Comp. Control Load Case	Tension Section Capacity (kips)	Net Tens. Section Capacity (kips)	Comp. Shear Capacity (kips)	Comp. Conn. Bearing Capacity (kips)	RLX	RLZ	L/R Length Member (ft)	Curve No.	No. Of Bolts	No. Of Holes	Comp.	
Rohn-D1	Rohn Diagonal 1	SAE 1.75X1.75X0.1875	36.0	76.75	76.75	Rohn-D1	2.434W+1 -60 deg	10.681	16.200	8.156	500	500	500	175	53	10	034	4	
Rohn-D2	Rohn Diagonal 2	2X2X0.1875	36.0	97.50	97.50	Rohn-D561	4.322W+1 60 deg	12.639	16.200	8.156	500	500	500	166	50	10	934	4	
Rohn-D3	Rohn Diagonal 3	2.5X2.5X0.1875	36.0	93.47	93.47	Rohn-D561	6.035 W+1 0 deg	16.915	16.200	8.156	500	500	500	159	72	13	177	4	
Rohn-D4	Rohn Diagonal 4	2.5X2.5X0.25	36.0	83.47	83.47	Rohn-D561	6.850 W+1 0 deg	22.144	16.200	10.875	500	500	500	159	72	13	177	4	
Rohn-D5	Rohn Diagonal 5	3X3X0.25	36.0	65.83	65.83	Rohn-D561	6.516W+1 -90 deg	30.910	16.200	12.187	500	500	500	157	99	15	589	4	
Rohn-D6	Rohn Diagonal 6	3.5X3.5X0.25	36.0	65.89	65.89	Rohn-D561	8.256 W+1 0 deg	37.004	16.200	12.187	500	500	500	156	34	18	315	4	
Rohn-D7	Rohn Diagonal 7	4X4X0.25	36.0	65.86	65.86	Rohn-D561	8.975 W+1 0 deg	43.998	16.200	12.187	500	500	500	150	41	21	254	4	
Rohn-L1	Rohn Leg 1	Pipe 3ER	50.0	35.42	35.42	Rohn-L1	10.562W+1 60 deg	84.900	0.000	0.000	0.000	0.000	0.000	900	52	67	5.004	0	
Rohn-L2	Rohn Leg 2	Pipe 3ER	50.0	45.54	45.54	Rohn-L1	30.580W+1 60 deg	103.200	0.000	0.000	0.000	0.000	0.000	900	52	67	5.004	0	
Rohn-L3	Rohn Leg 3	Pipe 4EH	50.0	57.06	57.06	Rohn-L3	57.713W+1 -60 deg	124.200	0.000	0.000	0.000	0.000	0.000	900	54	04	6.665	0	
Rohn-L4	Rohn Leg 4	Pipe 4EH	50.0	82.37	82.37	Rohn-L3	88.140W+1 -60 deg	170.800	0.000	0.000	0.000	0.000	0.000	900	400	42	54	6.665	0
Rohn-L5	Rohn Leg 5	Pipe 5EH	50.0	75.16	75.16	Rohn-L3	113.760W+1 -60 deg	171.600	0.000	0.000	0.000	0.000	0.000	900	43	23	5.665	0	
Rohn-L6	Rohn Leg 6	Pipe 5EH	50.0	84.61	84.61	Rohn-L3	140.602W+1 -60 deg	201.300	0.000	0.000	0.000	0.000	0.000	10.000	10	0.008	10.008	0	
Rohn-L7	Rohn Leg 7	Pipe 6EH	50.0	98.23	98.23	Rohn-L52	187.566W+1 -60 deg	236.400	0.000	0.000	0.000	0.000	0.000	0.000	10.000	10	0.008	10.008	0
Rohn-L8	Rohn Leg 8	Pipe 6EH	50.0	80.27	80.27	Rohn-L52	200.490W+1 -60 deg	295.800	0.000	0.000	0.000	0.000	0.000	0.000	10.000	10	0.008	10.008	0
Rohn-H1	Rohn Horizontal 1	SAE 1.75X1.75X0.1875	36.0	15.66	15.66	Rohn-H12	0.962W+1 -90 deg	13.352	16.200	16.312	500	500	500	131	38	7	505	4	

Case	Usage %	Maximum	Element	Label	Type	13 594	15 879	7 240	1 1 000	0 6875	
SNB-D1	SNB Diagonal 1	SAE	2X2X0 3125	SNB-DA71	2.4628W+I -90 deg	20.340	16.200	16.200	1	1.000	0.6875
SNB-D2	SNB Diagonal 2	SAE	2X2X0 3125	SNB-DB31	3.061W+I -90 deg	16.707	16.200	16.200	1	1.000	0.6875
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	SNB-DD3P	7.319 W+I 0 deg	27.082	16.200	16.200	1	1.000	0.6875
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	SNB-DE11	9.206W+I -90 deg	52.336	16.200	16.200	1	1.000	0.6875
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	SNB-DF42	9.284W+I 90 deg	72.726	26.100	32.625	1	1.000	0.8125
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	SNB-DH42	12.609W+I 90 deg	89.222	32.625	40.761	1	1.000	0.8125
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	SNB-DI42	17.073W+I 90 deg	116.410	32.625	40.761	1	1.000	0.8125
SNB-D8	SNB Leg 1	Pipe	P3-437	SNB-LA41	10.597W+I 60 deg	190.420	6.000	6.000	0	0.000	0
SNB-D9	SNB Leg 2	Pipe	P4-494	SNB-LC32	63.597W+I -60 deg	134.436	6.000	6.000	0	0.000	0
SNB-D10	SNB Leg 3	Pipe	Pipe5ER	SNB-LD32	103.333W+I -60 deg	123.852	6.000	6.000	0	0.000	0
SNB-D11	SNB Leg 4	Pipe	P6-562	SNB-LF22	184.087W+I -60 deg	231.420	6.000	6.000	0	0.000	0
SNB-D12	SNB Leg 5	Pipe	Pipe6XS	SNB-LG22	284.189W+I -60 deg	276.480	6.000	6.000	0	0.000	0
SNB-D13	SNB Leg 6	Pipe	Pipe10XS	SNB-LI22	301.542W+I -60 deg	347.759	6.000	6.000	0	0.000	0
Connect	Connect Towers	RIG	0 1X0.1X1	Connect_TF	6.115 W+I 0 deg	17279.973	0.000	0.000	0	0.000	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	SNB-R4P	1.850W+I -60 deg	88.668	0.000	0.000	0	0.000	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	SNB-R91	10.324W+I 90 deg	134.436	0.000	0.000	0	0.000	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0 375	Rohn-DB7P	5.187 W+I 0 deg	23.873	16.200	16.200	1	1.000	0.6875

*** Maximum Stress Summary for Each Load Case

Summary of Maximum Usages by Load Case:

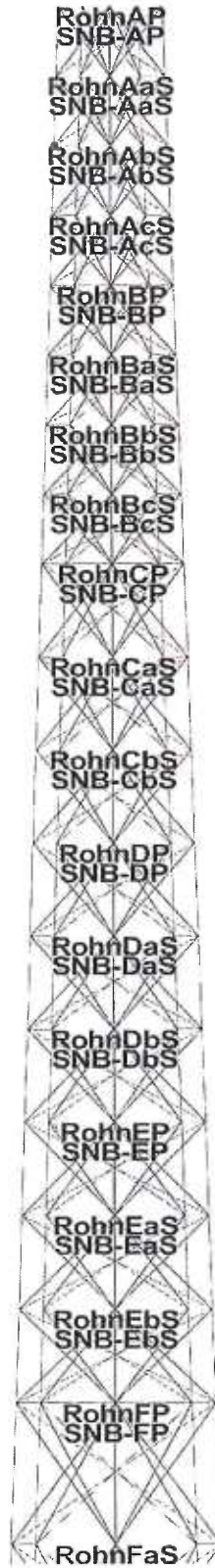
Load Case	Maximum Usage %	Element Label	Element Type
W+I -90 deg	88.73	Rohn-DB62	Angle
W+I -60 deg	77.67	Rohn-DB62	Angle
W+I 0 deg	99.18	SNB-LH2P	Angle
W+I 60 deg	83.45	Rohn-DB61	Angle
W+I 90 deg	89.13	Rohn-DB51	Angle
DL + Ice Only	30.09	SNB-D111	Angle

*** Weight of structure (lbs): 62797.0
 Weight of Angles/Section DLF: 11591.7
 Weight of Equipment: 74388.7
 Total:

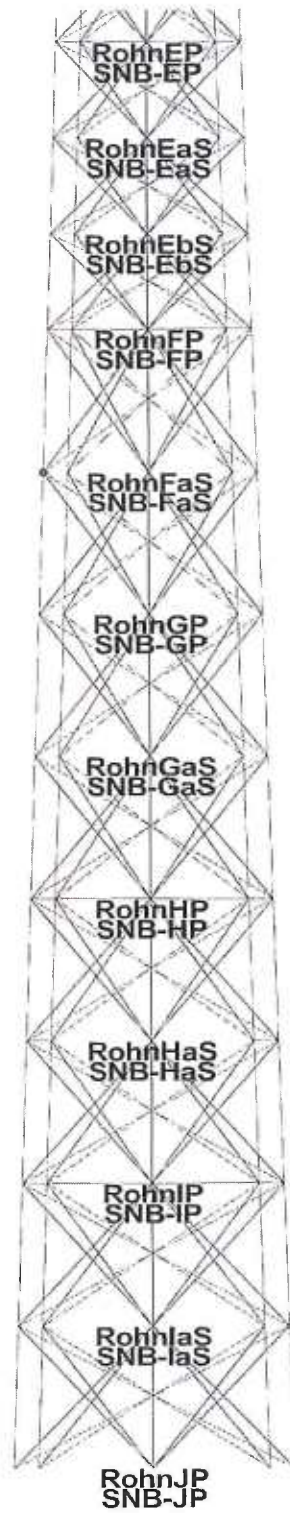
*** End of Report

PLS-TOWER NODE LOCATIONS

Tower geometry unchanged
from previous analysis

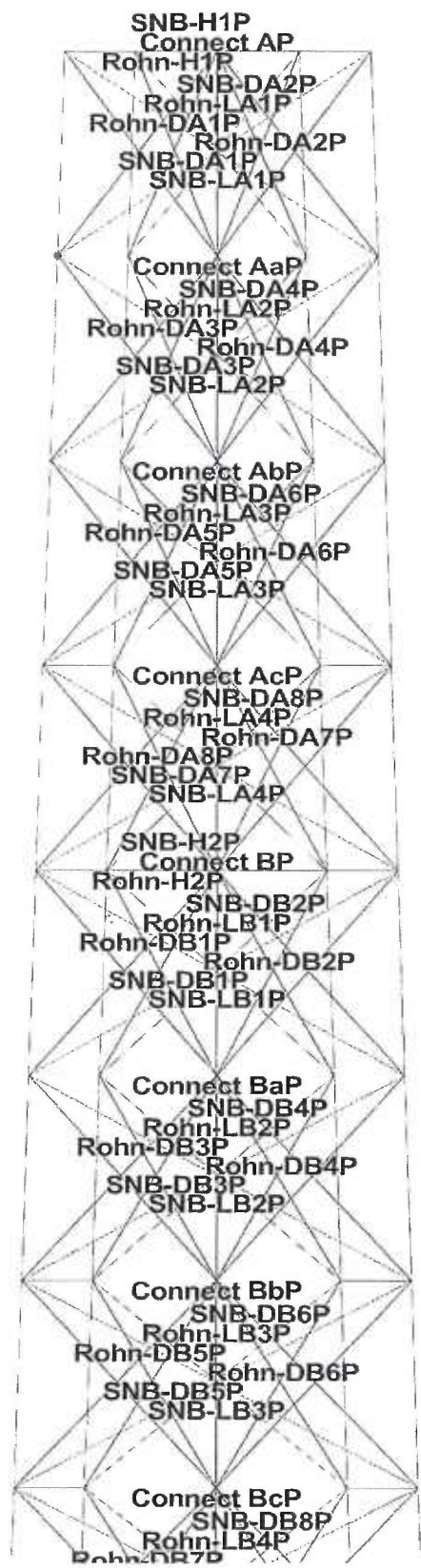


Tower geometry unchanged
from previous analysis

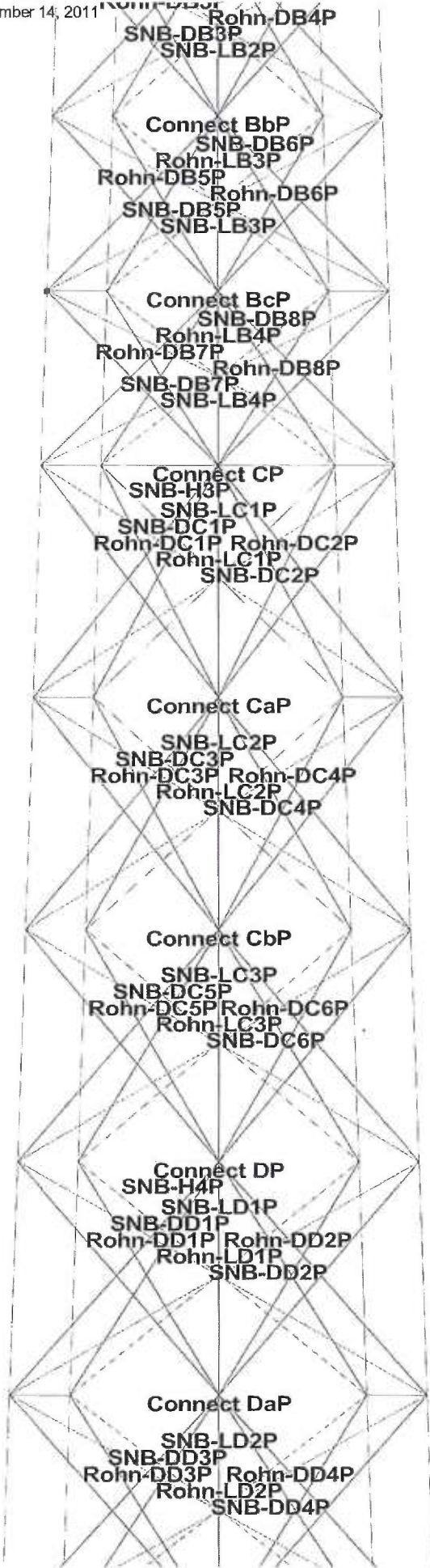


PLS-TOWER MEMBER LOCATIONS

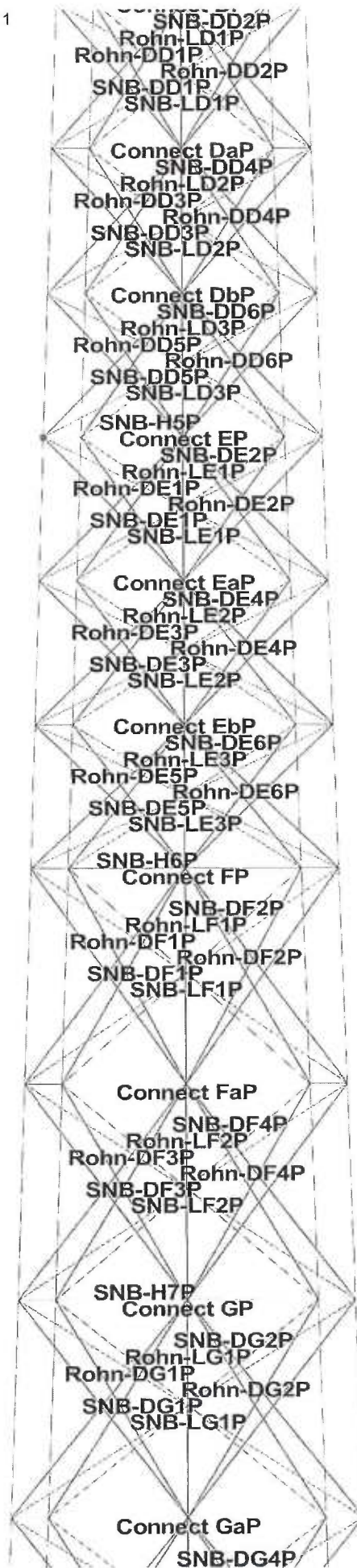
Tower geometry unchanged
from previous analysis



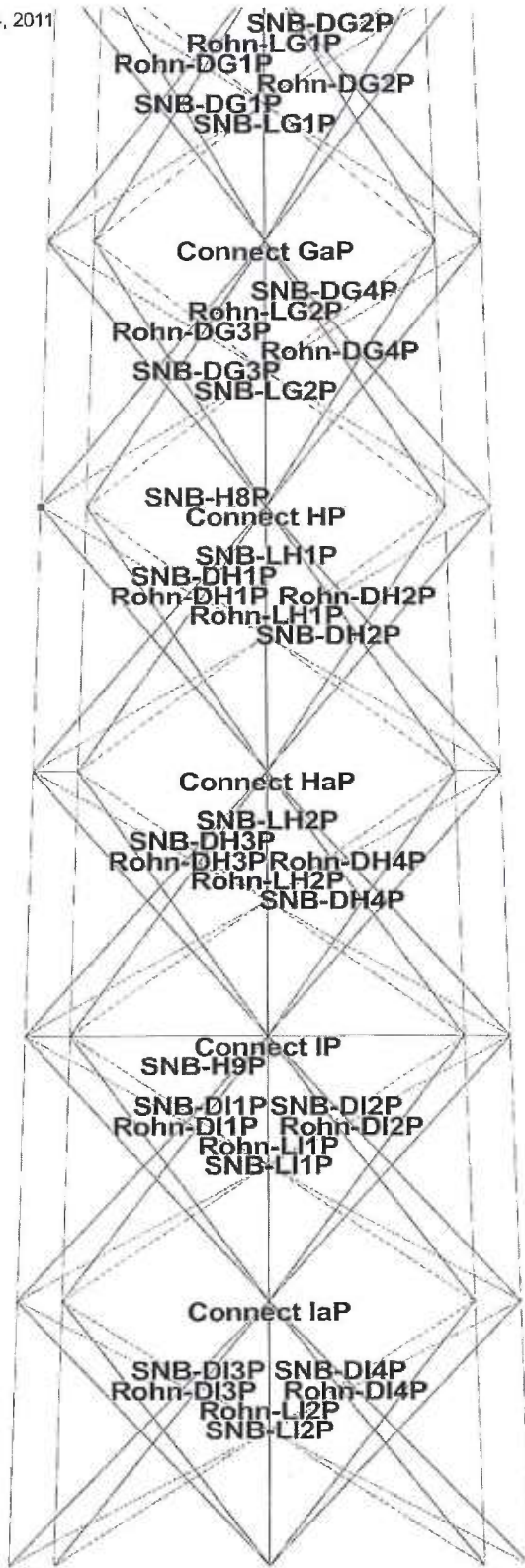
Tower geometry unchanged
from previous analysis



Tower geometry unchanged
from previous analysis



Tower geometry unchanged
from previous analysis



PLS-TOWER DETAILED OUTPUT

Member Label	Material Label	Modulus (ksi)	Yield Stress (ksi)	Ultimate Stress (ksi)	Member Stress All. HYP. 1 (ksi)	Member Stress All. HYP. 2 (ksi)	Member Rupture HYP. 1 (ksi)	Member Rupture HYP. 2 (ksi)	Member Bearing HYP. 1 (ksi)	Member Bearing HYP. 2 (ksi)
Tri-Gen 2	RohAa2	0.75	0.75	0.75	0	0	0	0	0	0
Tri-Gen 2	RohAb1	0.25	0.25	0.25	0	0	0	0	0	0
Tri-Gen 2	RohAb2	0.25	0.25	0.25	0	0	0	0	0	0
Tri-Gen 1	RohBb1	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohBb2	0.75	0.75	0.75	0	0	0	0	0	0
Tri-Gen 1	RohBb3	0.75	0.75	0.75	0	0	0	0	0	0
Tri-Gen 1	RohCa1	0.333	0.333	0.333	0	0	0	0	0	0
Tri-Gen 1	RohCa2	0.333	0.333	0.333	0	0	0	0	0	0
Tri-Gen 1	RohCb1	0.667	0.667	0.667	0	0	0	0	0	0
Tri-Gen 1	RohCb2	0.333	0.333	0.333	0	0	0	0	0	0
Tri-Gen 1	RohDa1	0.333	0.333	0.333	0	0	0	0	0	0
Tri-Gen 1	RohDb1	0.667	0.667	0.667	0	0	0	0	0	0
Tri-Gen 1	RohEa1	0.333	0.333	0.333	0	0	0	0	0	0
Tri-Gen 1	RohEb1	0.667	0.667	0.667	0	0	0	0	0	0
Tri-Gen 1	RohFa1	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohFa2	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohGa2	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohHa2	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohIa2	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohJa2	0.25	0.25	0.25	0	0	0	0	0	0
Tri-Gen 1	RohKa2	0.25	0.25	0.25	0	0	0	0	0	0
Tri-Gen 1	RohLa2	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohMa2	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohNa2	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohPa2	0.75	0.75	0.75	0	0	0	0	0	0
Tri-Gen 1	RohQa2	0.75	0.75	0.75	0	0	0	0	0	0
Tri-Gen 1	RohRa2	0.333	0.333	0.333	0	0	0	0	0	0
Tri-Gen 1	RohSa2	0.667	0.667	0.667	0	0	0	0	0	0
Tri-Gen 1	RohTa2	0.333	0.333	0.333	0	0	0	0	0	0
Tri-Gen 1	RohUa2	0.667	0.667	0.667	0	0	0	0	0	0
Tri-Gen 1	RohVa2	0.333	0.333	0.333	0	0	0	0	0	0
Tri-Gen 1	RohWa2	0.667	0.667	0.667	0	0	0	0	0	0
Tri-Gen 1	RohXa2	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohYa2	0.5	0.5	0.5	0	0	0	0	0	0
Tri-Gen 1	RohZa2	0.5	0.5	0.5	0	0	0	0	0	0

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

Steel Material Properties:

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

Bolt Properties:

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

Number Bolts Used By Type:

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

Angle Properties:

Angle Label	Angle Size	Long Leg	Short Leg	Thick. Leg	Unit Weight	Gross Area	w/t Ratio	Radius of Gyration	Rx	Ry	Rz	Number of Angles	Wind Edge Dist.	Short Edge Dist.	Long Edge Dist.	Optimize Section
(in)	(in)	(in)	(in)	(in)	(lbs/ft)	(in ²)	(in ²)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in)	(in ³)
SAE 5X5X0.625	5	5	0.625	20	5.96	6.2	1.52	0.978	1	1.52	0.978	1	5	2.5	0	1.0000
SAE 4X4X0.625	4	4	0.625	15.7	4.61	4.8	1.2	0.779	1	1.2	0.779	1	4	2	0	1.0000
SAE 4X4X0.5	4	4	0.5	12.8	3.75	6.25	1.22	0.782	1	1.22	0.782	1	4	2	0	1.0000
SAE 4X4X0.25	4	4	0.25	6.6	1.94	13.5	1.25	0.785	1	1.25	0.785	1	4	2	0	1.0000
SAE 3.5X3.5X0.25	3.5	3.5	0.25	5.8	1.69	11.5	1.09	0.694	1	1.09	0.694	1	3.5	1.75	0	1.0000
SAE 3X3X0.5	3	3	0.5	9.4	2.75	4.38	0.898	0.584	1	0.93	0.584	1	3	1.5	0	1.0000
SAE 3X3X0.25	3	3	0.25	4.9	1.44	9.75	0.93	0.592	1	0.93	0.592	1	3	1.5	0	1.0000
SAE 2.5X2.5X0.3125	2.5	2.5	0.3125	5	1.46	6	0.761	0.489	1	0.761	0.489	1	2.5	1.25	0	1.0000
SAE 2.5X2.5X0.25	2.5	2.5	0.25	4.1	1.19	7.75	0.769	0.491	1	0.769	0.491	1	2.5	1.25	0	1.0000
SAE 2.5X2.5X0.1875	2.5	2.5	0.1875	3.07	0.902	10.67	0.778	0.485	1	0.778	0.485	1	2.5	1.25	0	1.0000
SAE 2X2X0.375	2	2	0.375	4.7	1.36	3	0.594	0.388	1	0.594	0.388	1	2	1	0	1.0000
SAE 2X2X0.3125	2	2	0.3125	3.92	1.15	3	0.601	0.39	1	0.601	0.39	1	2	1	0	1.0000
SAE 2X2X0.25	2	2	0.25	3.19	0.94	5	0.609	0.394	1	0.609	0.394	1	2	1	0	1.0000
SAE 2X2X0.1875	2	2	0.1875	2.44	0.71	8	0.617	0.394	1	0.617	0.394	1	2	1	0	1.0000
SAE 1.75X1.75X0.1875	1.75	1.75	0.1875	2.12	0.62	6	0.537	0.383	1	0.537	0.383	1	1.75	0.875	0	1.0000
BIG 0.1X0.1X1	0.1	0.1	1	0	0.800	2.17	9.99	9.99	1	9.99	9.99	1	0.1	0.05	0	1.0000
Pipe Pipe3EH	3.5	2.9	0	10.3	2.83	1	1.14	1.14	1	1.14	1.14	1	0	0	0	0.0000
Pipe Pipe4EH	4.5	3.826	0	15	4.14	1	1.48	1.48	1	1.48	1.48	1	0	0	0	0.0000
Pipe Pipe5SD	5.563	5.047	0	14.6	4.03	1	1.88	1.88	1	1.88	1.88	1	0	0	0	0.0000
Pipe Pipe5EH	5.563	4.813	0	20.8	5.72	1	1.85	1.85	1	1.85	1.85	1	0	0	0	0.0000
Pipe Pipe6EH	6.625	5.761	0	28.6	7.88	1	2.2	2.2	1	2.2	2.2	1	0	0	0	0.0000
Pipe Pipe6EH	6.625	5.8	0	35.78	9.86	1	2.96	2.96	1	2.96	2.96	1	0	0	0	0.0000
Pipe Pipe3.5EH	4	3.464	0	12.5	3.44	1	1.31	1.31	1	1.31	1.31	1	0	0	0	0.0000
Pipe Pipe6EH	6.625	5.96	0	24.38	6.71	1	2.22	2.22	1	2.22	2.22	1	0	0	0	0.0000
Pipe P3-437	3	2.626	0	13	4.2	1	1.09	1.09	1	1.09	1.09	1	0	0	0	0.0000
Pipe P4-424	4	3.412	0	21.4	6.21	1	1.42	1.42	1	1.42	1.42	1	0	0	0	0.0000
Pipe P6-582	6.625	5.5	0	36.6	10.7	1	2.15	2.15	1	2.15	2.15	1	0	0	0	0.0000
Pipe Pipe3EH	3.5	2.9	0	43.39	12.9	1	2.88	2.88	1	2.88	2.88	1	0	0	0	0.0000
Pipe Pipe10XS	10.75	9.75	0	54.74	15.1	1	3.63	3.63	1	3.63	3.63	1	0	0	0	0.0000
Pipe P3-425	3.5	2.65	0	15	4.103	1	1.097	1.097	1	1.097	1.097	1	0	0	0	0.0000

Angle Groups:

Group Label	Description	Group Angle Type	Angle Size	Material Type	Element Type	Group Type	Optimize Group	Allow. Width For Optimize (in)
Rehn-D1	Rehn Diagonal 1	SAE 1.75X1.75X0.1875	A.36	Truss	Other	None	None	0.000
Rehn-D2	Rehn Diagonal 2	SAE 2X2X0.1875	A.36	Truss	Other	None	None	0.000
Rehn-D3	Rehn Diagonal 3	SAE 2.5X2.5X0.1875	A.36	Truss	Other	None	None	0.000
Rehn-D4	Rehn Diagonal 4	SAE 2.5X2.5X0.25	A.36	Truss	Other	None	None	0.000
Rehn-D5	Rehn Diagonal 5	SAE 3X3X0.25	A572-50	Truss	Other	None	None	0.000
Rehn-D6	Rehn Diagonal 6	SAE 3.5X3.5X0.25	A572-50	Truss	Other	None	None	0.000
Rehn-D7	Rehn Diagonal 7	SAE 4X4X0.25	A572-50	Truss	Other	None	None	0.000
Rehn-L1	Rehn Leg 1	Pipe	Pipe3EH	Leg	Leg	None	None	0.000
Rehn-L2	Rehn Leg 2	Pipe	Pipe3.5EH	Leg	Leg	None	None	0.000

Section Label	Joint Defining	Dead Load Drag x Area	Transverse Load Drag x Area	Longitudinal Area Factor	Transverse Area Factor	Longitudinal Area Factor	SAPS Angle	SAPS Round Force
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	A572-50	None	0.000	0.000	0.000
Rohn-L4	Rohn Leg 4	Pipe	Pipe5TD	A572-50	None	0.000	0.000	0.000
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	A572-50	None	0.000	0.000	0.000
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EH	A572-50	None	0.000	0.000	0.000
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	A572-50	None	0.000	0.000	0.000
Rohn-L8	Rohn Leg 8	Pipe	Pipe6EH	A572-50	None	0.000	0.000	0.000
Rohn-H1	Rohn Horizontal 1	SAB	1.75X1.75X0.1875	A.36	Other	0.000	0.000	0.000
SNB-D1	SNB Diagonal 1	SAB	2X2X0.1125	A.36	Other	0.000	0.000	0.000
SNB-D2	SNB Diagonal 2	SAB	2X2X0.1125	A.36	Other	0.000	0.000	0.000
SNB-D3	SNB Diagonal 3	SAB	2.5X2.5X0.3125	A.36	Other	0.000	0.000	0.000
SNB-D4	SNB Diagonal 4	SAB	3X3X0.5	A.36	Other	0.000	0.000	0.000
SNB-D5	SNB Diagonal 5	SAB	4X4X0.5	A.36	Other	0.000	0.000	0.000
SNB-D6	SNB Diagonal 6	SAB	4X4X0.625	A.36	Other	0.000	0.000	0.000
SNB-D7	SNB Diagonal 7	SAB	5X5X0.625	A.36	Other	0.000	0.000	0.000
SNB-L1	SNB Leg 1	Pipe	P3-437	A.36	Leg	0.000	0.000	0.000
SNB-L2	SNB Leg 2	Pipe	P4-494	A.36	Leg	0.000	0.000	0.000
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	A.36	Leg	0.000	0.000	0.000
SNB-L4	SNB Leg 4	Pipe	P6-562	A.36	Leg	0.000	0.000	0.000
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	A.36	Leg	0.000	0.000	0.000
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	A.36	Leg	0.000	0.000	0.000
Connect	Connect Towers	BIG	0.1X0.1X1	A.36	Other	0.000	0.000	0.000
SNB-H1	SNB Horizontal 1	Pipe	P3-425	A.36	Other	0.000	0.000	0.000
SNB-H2	SNB Horizontal 2	Pipe	P4-494	A.36	Other	0.000	0.000	0.000
Rohn-D8	Rohn Diagonal 8	SAB	2X2X0.375	A.36	Other	0.000	0.000	0.000

Aggregate Angle Information:

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

Angle Type	Angle Size	Material Type	Length (ft)	Total Surface Area (ft^2)	Total Weight (lbs)
SAB	1.75X1.75X0.1875	A	36.279.43	162.00	592.39
SAB	2X2X0.1875	A	36.191.38	127.59	466.96
SAB	2X2X0.375	A	36.67.43	44.95	316.92
SAB	2.5X2.5X0.3125	A	36.230.26	191.89	706.91
SAB	3X3X0.5	A	36.253.69	209.58	1031.12
SAB	3X3X0.625	A	36.273.28	273.29	1139.11
SAB	4X4X0.5	A	36.273.28	320.96	1589.91
SAB	4X4X0.625	A	36.273.28	370.61	1819.52
Pipe	Pipe3EH	A572-50	60.05	64.05	618.48
Pipe	Pipe3.5EH	A572-50	60.05	73.70	750.58
Pipe	Pipe4EH	A572-50	60.05	83.32	900.69
Pipe	Pipe5TD	A572-50	60.05	106.18	876.68
Pipe	Pipe5EH	A572-50	60.05	103.84	1248.97
Pipe	Pipe6EH	A572-50	60.05	125.95	1463.93
Pipe	Pipe6EH	A572-50	120.09	247.91	3434.66
Pipe	Pipe6EH	A572-50	60.05	166.38	2148.47
SAB	2X2X0.3125	A	36.165.23	110.15	647.69
SAB	2X2X0.25	A	36.189.16	126.11	603.43
SAB	2.5X2.5X0.3125	A	36.378.99	315.82	1894.94
SAB	3X3X0.5	A	36.219.00	219.00	2058.63
SAB	4X4X0.5	A	36.183.26	244.34	2385.69
SAB	4X4X0.625	A	36.404.26	539.94	6347.75
SAB	5X5X0.625	A	36.222.64	571.07	4852.86
Pipe	P3-437	A	36.60.05	61.31	350.70
Pipe	P4-494	A	36.303.38	405.11	6492.46
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	1085.63

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	Dead Load Drag x Area	Transverse Load Drag x Area	Longitudinal Area Factor	Transverse Area Factor	Longitudinal Area Factor	SAPS Angle	SAPS Round Force
				Af Flat Ar	Round Factor	Transverse Factor	Longitudinal Factor	Area Drag x Area Solid

(F1)

A RohnP 180.000
A RohnA1 175.000
A RohnA1 180.000
A RohnA2 175.000
A RohnA2 190.000
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-AE1 175.000
A SNB-A1 180.000
A SNB-A2 175.000
A SNB-AZ 180.000
A SNB-AAS 175.000
A SNB-AB1 170.000
A SNB-AB2 170.000
A SNB-ABS 170.000
A SNB-Ac1 165.000
A SNB-Ac2 165.000
A SNB-ACS 165.000
A SNB-B1 160.000
A SNB-B2 160.000
A SNB-BP 160.000
B RohnBP 160.000
B RohnB1 155.000
B RohnB1 160.000
B RohnB2 155.000
B RohnB2 160.000
B RohnB3 155.000
B RohnB5 155.000
B RohnB5 150.000
B RohnB5 150.000
B RohnB5 150.000
B RohnBc1 145.000
B RohnBc2 145.000
B RohnBcS 145.000
B RohnC1 140.000
B RohnC2 140.000
B RohnC2 140.000
B RohnC2 140.000
B SNB-BP 160.000
B SNB-B1 155.000
B SNB-B1 160.000
B SNB-B2 155.000
B SNB-B2 160.000
B SNB-B5 155.000
B SNB-B5 150.000
B SNB-B5 150.000
B SNB-B5 150.000
B SNB-Bc1 145.000
B SNB-Bc2 145.000
B SNB-BcS 145.000
B SNB-c1 140.000
B SNB-c2 140.000
B SNB-cP 140.000
C RohnCP 140.000
C RohnCa1 133.340
C RohnC1 140.000
C RohnC2 133.340
C RohnC2 140.000
C RohnC5 133.340
C RohnC5 126.660
C RohnC5 126.660
C RohnC5 126.660
C RohnD1 120.000

C RohnD2 120.000
 C RohnDP 120.000
 C SNB-CP 140.000
 C SNB-Ca1 133.340
 C SNB-C1 140.000
 C SNB-Ca2 133.340
 C SNB-C2 140.000
 C SNB-Ca3 133.340
 C SNB-Cb1 126.660
 C SNB-Cb2 126.660
 C SNB-D1 120.000
 C SNB-D2 120.000
 C SNB-Dp 120.000
 D RohnD1 113.340
 D RohnD2 113.340
 D RohnD3 120.000
 D RohnD4 113.340
 D RohnD5 113.340
 D RohnD6 106.660
 D RohnD7 106.660
 D RohnE1 100.000
 D RohnE2 100.000
 D SNE-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-D3 113.340
 D SNB-D4 106.660
 D SNB-D5 106.660
 D SNE-E1 100.000
 D SNE-E2 100.000
 D SNE-Ep 100.000
 E RohnEa1 93.340
 E RohnE1 100.000
 E RohnEa2 93.340
 E RohnE2 100.000
 E RohnEa3 93.340
 E RohnE1 86.660
 E RohnE2 86.660
 E RohnE3 86.660
 E RohnE4 80.000
 E RohnE5 80.000
 E RohnE6 80.000
 E SNE-Ea1 93.340
 E SNE-Ea2 93.340
 E SNE-E2 100.000
 E SNB-Ea3 93.340
 E SNB-Eb1 86.660
 E SNB-Eb2 86.660
 E SNB-Eb3 86.660
 E SNB-f1 80.000
 E SNB-f2 80.000
 E SNB-f3 80.000
 F RohnF1 70.000
 F RohnF2 80.000
 F RohnF3 70.000
 F RohnF4 80.000
 F RohnG1 60.000
 F RohnG2 60.000
 F RohnG3 60.000
 F SNB-FP 80.000

Section Label	Top Z (ft)	Bottom Z (ft)	Joint Count	Member Count	Top Width (ft)	Bottom Width (ft)	Gross Area (ft ²)	Face Adjust Factor	Face Adjust Load	Dead Load Factor
F SNE-Fa1	70.000									
F SNE-F1	80.000									
F SNE-F2	70.000									
F SNE-F2	80.000									
F SNE-F3	70.000									
F SNE-F3	80.000									
F SNE-G1	60.000									
F SNE-G2	60.000									
F SNE-GP	60.000									
G RohrGP	60.000									
G RohrGa1	50.000									
G RohrGa1	60.000									
G RohrGa2	50.000									
G RohrGa2	60.000									
G RohrGss	50.000									
G RohrH1	40.000									
G RohrH2	40.000									
G RohrHP	40.000									
G SNE-GP	60.000									
G SNE-Ga1	50.000									
G SNE-G1	60.000									
G SNE-Ga2	50.000									
G SNE-G2	60.000									
G SNE-GS	50.000									
G SNE-H1	40.000									
G SNE-H2	40.000									
G SNE-H2	40.000									
G SNE-H2	40.000									
H RohrHP	40.000									
H RohrHa1	30.000									
H RohrH1	40.000									
H RohrHa2	30.000									
H RohrH2	40.000									
H RohrHaS	30.000									
H RohrH1	20.000									
H RohrH2	20.000									
H SNE-HP	40.000									
H SNE-Ha1	30.000									
H SNE-H1	40.000									
H SNE-H2	30.000									
H SNE-H2	40.000									
H SNE-HS	30.000									
H SNE-I1	20.000									
H SNE-I2	20.000									
H SNE-IP	20.000									
I RohrHP	20.000									
I RohrHa1	10.000									
I RohrH1	20.000									
I RohrHa2	10.000									
I RohrH2	20.000									
I RohrHaS	10.000									
I RohrH1	0.000									
I RohrH2	0.000									
I RohrHP	0.000									
I SNE-IP	20.000									
I SNE-I1	10.000									
I SNE-I1	20.000									
I SNE-I2	10.000									
I SNE-I2	20.000									
I SNE-IP	10.000									
I SNE-J1	0.000									
I SNE-J2	0.000									
I SNE-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 Adjust Factor	Face Adjust Load	Dead Load Factor
A	180.000	160.000	30	99	7.50	8.87	163.75	0.9000	0.9000	1.000
B	160.000	140.000	30	87	5.87	10.23	191.05	0.9000	0.9000	1.000
C	140.000	120.000	24	66	10.23	11.60	216.31	0.9000	0.9000	1.000

D 120 000 100 000 24 66 11.60 12 96 245.54 0 9000 0 9000 1 000
 E 100 000 80 000 24 66 12.96 14 32 272.78 0 9000 0 9000 1 000
 F 80 000 60 000 18 45 14 32 15 68 300.04 0 9000 0 9000 1 000
 G 60 000 40 000 18 45 15 68 17 03 327.29 0 9000 0 9000 1 000
 H 40 000 20 000 18 45 17 05 18 41 354.57 0 9000 0 9000 1 000
 I 20 000 0 000 18 39 18.41 19 78 381.92 0 9000 0 9000 1 000

Equipment Library:

Equipment Property Label	Stock Weight Number	Wind Area (ft^2)	Ice Area (ft^2)	EIA Antenna Type	Shape or Drag Diameter Height (ft)
RFS ED1142 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
Rysma MG D3-800FO	Panel 30 0	3.56	0.00	Square	1.00 0.00 0.00
Andrew DB84480-XV	Panel 40 0	3.58	0.00	Square	1.00 0.00 0.00
Powerwave P65-15-XI-2	Panel 70 0	8.54	0.00	Square	1.00 0.00 0.00
Andrew LMX-6514BS-T4M	Panel 60 0	8.51	0.00	Square	1.00 0.00 0.00
12' T-nm	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	Mount 75 0	1.50	0.00	Circle	1.00 0.66 0.00
6' Dish with Radome	Dish 220 0	29.00	0.00	Circle	1.00 0.00 0.00
TWA	Dish 15 0	1.00	0.00	Circle	1.00 0.00 0.00
GIF-940	Grid Dish 120 0	20.00	0.00	Circle	1.00 0.00 0.00
GPS	GPS 20 0	1.00	0.00	Square	1.00 0.00 0.00
Powerwave 7770	Panel 35 0	5.68	0.00	Square	1.00 0.00 0.00
Powerwave P65-16-XII-RR	Panel 65 0	8.40	0.00	Square	1.00 0.00 0.00
Raycap Suxye Suppressor	Other 20 0	1.27	0.00	Circle	1.00 0.00 0.00
Ericsson RRU	Other 80 0	5.45	0.00	Square	1.00 0.00 0.00
9' Omni	Omni 172 0	5.85	0.00	Circle	1.00 0.00 0.00
4' Dipole	Dipole 40 0	2.00	0.00	Circle	1.00 0.00 0.00
5' Dish	Dish 200 0	20.00	0.00	Circle	1.00 0.00 0.00
10x4 6x4 Panel	Panel 20 0	0.50	0.00	Square	1.00 0.00 0.00
DB562-V	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	24.00	0.00	Square	1.00 0.00 0.00
Scala OG19-806 w/ ice	Omni 22 7	1.99	0.00	Circle	1.00 0.00 0.00
Sinclair SC479-IFILDF w/ ice	Omni 89 8	5.54	0.00	Circle	1.00 0.00 0.00
RFS APXVFP18-C w/ ice	Panel 106 5	8.81	0.00	Square	1.00 0.00 0.00
ALU RRR	RRR 56 7	2.44	0.00	Square	1.00 0.00 0.00
ERICSSON AIR B2M/B4P	Panel 124 0	5.40	0.00	Square	1.00 0.00 0.00

Equipment Connectivity:

Equipment Label	Attach Label	Equipment Property Label	EIA Antenna Property Orientation Set	Angle (deg)
Top-A	RohnAP	3' Stand-Off		0.00
Top-B	RohnA1	3' Stand-Off	120.00	
Top-C1	RohnA2	3' Stand-Off	260.00	
Top-C2	RohnA2	3' Stand-Off	220.00	
CSP-67	RohnAP	Dipole	0.00	
NEU-20	RohnA1	9' Omni	120.00	
CSP-8	RohnA1	4' Dipole	120.00	
CSP-3	RohnAP	Sinclair SC479-IFILDF w/ ice	0.00	
CSP-4	RohnA2	Sinclair SC479-IFILDF w/ ice	240.00	
CSP-74	RohnAP	6' Dish with Radome	0.00	
CSP-75	RohnA1	6' Dish with Radome	120.00	
CSP-76	RohnA2	6' Dish with Radome	240.00	
CSP-31	RohnA1	6' Dish with Radome	120.00	
CSP-1	RohnA5	Scala OG19-806 w/ ice	0.00	
CSP-2	RohnA2	Scala OG19-806 w/ ice	240.00	
CSP-73	RohnAP	TWA	0.00	
TOG-7	RohnB5	5' Dish	0.00	
TOG-5	RohnAP	Andrew DB-583 w/ ice	0.00	
TOG-6	RohnA1	DB562-V	120.00	
SPD-9	RohnA1	GIF-940	120.00	
159-A	RohnE1	3' Stand-Off	120.00	

159-B	RohnB2	3' Stand-Off	240.00
STAM-63	RohnB1	10x4 6x4 Panel	120.00
STAM-65	RohnB2	10x4 6x4 Panel	240.00
ATT-A	RohnB3	12' T-Arm	0.00
ATT-B	RohnB1	12' T-Arm	120.00
ATT-C	RohnB2	12' T-Arm	240.00
ATT-A1	RohnB3	Powerwave 7770	0.00
ATT-A2	RohnB3	Powerwave P65-16-XLH-RR	0.00
ATT-A3	RohnB3	Powerwave 7770	0.00
ATT-A4	RohnB3	Ericsson RRU	0.00
ATT-A5	RohnB3	Ericsson RRU	0.00
ATT-A6	RohnB3	TWA	0.00
ATT-A7	RohnB3	TWA	0.00
ATT-A8	RohnB3	TWA	0.00
ATT-A9	RohnB3	TWA	0.00
ATT-A10	RohnB3	TWA	0.00
ATT-B1	RohnB1	Raycap Surge Suppressor	0.00
ATT-B2	RohnB1	Powerwave 7770	120.00
ATT-B3	RohnB1	Powerwave P65-16-XLH-RR	120.00
ATT-B4	RohnB1	Powerwave 7770	120.00
ATT-B5	RohnB1	Ericsson RRU	120.00
ATT-B6	RohnB1	Ericsson RRU	120.00
ATT-B7	RohnB1	TWA	120.00
ATT-B8	RohnB1	TWA	120.00
ATT-B9	RohnB1	TWA	120.00
ATT-C1	RohnB2	Powerwave 7770	240.00
ATT-C2	RohnB2	Powerwave P65-16-XLH-RR	240.00
ATT-C3	RohnB2	Powerwave 7770	240.00
ATT-C4	RohnB2	Ericsson RRU	240.00
ATT-C5	RohnB2	Ericsson RRU	240.00
ATT-C6	RohnB2	TWA	240.00
ATT-C7	RohnB2	TWA	240.00
ATT-C8	RohnB2	TWA	240.00
ATT-C9	RohnB2	TWA	240.00
143-A	RohnB1	3' Stand-Off	120.00
NEU-18	RohnCP	12' Omni	0.00
NEU-16	RohnCZ	6' Omni	240.00
T-Mobile-1	RohnCP	ERICSSON AIR BZA/BSP	0.00
T-Mobile-2	RohnCP	ERICSSON AIR BZA/BSP	0.00
T-Mobile-3	RohnCP	TWA	0.00
T-Mobile-4	RohnC1	ERICSSON AIR BZA/BSP	120.00
T-Mobile-5	RohnC1	ERICSSON AIR BZA/BSP	120.00
T-Mobile-6	RohnC1	TWA	120.00
T-Mobile-7	RohnC2	ERICSSON AIR BZA/BSP	240.00
T-Mobile-8	RohnC2	ERICSSON AIR BZA/BSP	240.00
T-Mobile-9	RohnC2	TWA	240.00
Verizon-A	RohnC3	Boom Gate	0.00
Verizon-B	RohnC3	Boom Gate	120.00
Verizon-C	RohnC3	Boom Gate	240.00
Verizon-1	RohnC3	Powerwave P65-15-XL-2	0.00
Verizon-2	RohnC3	Andrew DB844H80-XY	0.00
Verizon-3	RohnC3	Andrew DB844H80-XY	0.00
Verizon-4	RohnC3	Rysma MG D3-800T0	0.00
Verizon-5	RohnC3	Andrew LNX-6514DS-TM	120.00
Verizon-6	RohnC3	Andrew DB844H80-XY	120.00
Verizon-7	RohnC3	Andrew DB844H80-XY	120.00
Verizon-8	RohnC3	Rysma MG D3-800T0	120.00
Verizon-9	RohnC3	Powerwave P65-15-XL-2	240.00
Verizon-10	RohnC3	Andrew DB844H80-XY	240.00
Verizon-11	RohnC3	Andrew DB844H80-XY	240.00
Verizon-12	RohnC3	Rysma MG D3-800T0	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 APXVSP18-C w/ ice	0.00
Sprint-2	RohnDP	ALU RRR	0.00
Sprint-3	RohnDP	ALU RRR	0.00
Sprint-4	RohnD1	RFS APXVSP18-C w/ ice	120.00
Sprint-5	RohnD1	ALU RRR	120.00
Sprint-6	RohnD1	ALU RRR	120.00
Sprint-7	RohnD2	RFS APXVSP18-C w/ ice	240.00
Sprint-8	RohnD2	ALU RRR	240.00

Item	Material	Quantity	Shape	Width or Diameter	Perimeter	Unit	In Include in
Sprint-9	Alu RRR	240.00					No
115-A	Stand-Off	120.00					No
NEU-17	12' Omni	120.00					No
105-A	Stand-Off	120.00					No
NEU-19	DBS864	120.00					No
85-A	Stand-Off	120.00					No
GPS-53	GPS	240.00					No
GPS-68	GPS	0.00					No
CSP-69	Stand-Off	0.00					No
CSP-70	Stand-Off	0.00					No
CSP-71	Stand-Off	0.00					No
CSP-72	Stand-Off	0.00					No
160	Stand-Off	0.00					No
CSP-66	Stand-Off	0.00					No
DEP-54	Stand-Off	240.00					No
DCP-56	Dipole	120.00					No

Linear Appurtenances:

Description	From	To	Quantity	Shape	Width or Diameter	Perimeter	Unit	In Include in	
1-5/8"	2	180	2	Round	48	0	2.55	Yes	No
1/2"	2	180	3	Round	0	0	0.91	Yes	No
7/8"	2	180	9	Round	0	0	1.52	Yes	No
1-1/4"	2	180	2	Round	0	0	1.91	Yes	No
Full Cable Tray 2-150 (wind only)	2	150	2	Flat	24	0	0	Yes	Yes
Full Cable Tray 150-top	150	180	1	Flat	24	0	0	Yes	Yes
Elliptical	2	180	3	Round	0	0	0	Yes	No
3/8"	2	180	2	Round	0	0	0.65	Yes	No
Optic Fiber Cable	2	180	1	Round	0	0	0.3	Yes	No
DC Cable	2	180	2	Round	0	0	0.3	Yes	No
Hybridflex Cables	2	115	3	Round	0	0	0.37	Yes	No
Fiber Cables	2	137	9	Round	0	0	0.2	Yes	No
1-5/8" (T-Mobile)	2	135	6	Round	0	0	2.55	Yes	No
Hybridflex Cables (T-Mobile)	2	135	1	Round	0	0	0.37	Yes	No

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	5.68	210 00	0.00	-210 52	35 00
ATT-B2	Powerwave P65-16-XLR-RR	150 00 35 80	0.50	6.40	210 00	0.00	-300 74	55 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	-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-XLR-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	1.50	210 00	0.00	-53 19	75 00
143-A	3' Stand-Off	145 00 35 10	0.50	2.40	90 00	0.00	-84 25	170 00
NEU-18	12' Omni	140 00 35 10	0.50	1.60	330 00	0.00	-56 17	160 00
NEU-19	8' Omni	140 00 35 10	0.50	1.40	330 00	0.00	-56 17	160 00
T-Mobile-1	ERICSSON AIR B2A/B4P	140 00 35 10	0.50	5.40	90 00	0.00	-224 66	124 00
T-Mobile-2	ERICSSON AIR B2A/B4P	140 00 35 10	0.50	6.40	90 00	0.00	-224 66	124 00
T-Mobile-3	TMA	140 00 35 10	0.50	6.40	210 00	0.00	-224 66	124 00
T-Mobile-4	ERICSSON AIR B2A/B4P	140 00 35 10	0.50	6.40	210 00	0.00	-224 66	124 00
T-Mobile-5	ERICSSON AIR B2A/B4P	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	6.40	330 00	0.00	-224 66	124 00
T-Mobile-7	ERICSSON AIR B2A/B4P	140 00 35 10	0.50	6.40	330 00	0.00	-224 66	124 00
T-Mobile-8	ERICSSON AIR B2A/B4P	140 00 35 10	0.50	6.40	330 00	0.00	-224 66	124 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	-84 4	69 470 00
Verizon-B	Boom Gate	133 34 34 62	0.50	24.40	210 00	0.00	-84 4	69 470 00
Verizon-C	Boom Gate	133 34 34 62	0.50	24.40	330 00	0.00	-84 4	69 470 00
Verizon-1	Powerwave P65-15-XI-2	133 34 34 62	0.50	8.54	90 00	0.00	-295 64	70 00
Verizon-2	Andrew DB84480-XY	133 34 34 62	0.50	3.58	90 00	0.00	-123 93	40 00
Verizon-3	Andrew DB84480-XY	133 34 34 62	0.50	3.58	90 00	0.00	-123 93	40 00
Verizon-4	Rysma MG H3-80T0	133 34 34 62	0.50	8.52	90 00	0.00	-123 93	40 00
Verizon-5	Andrew LNX-6514D5-140	133 34 34 62	0.50	8.52	210 00	0.00	-123 93	40 00
Verizon-6	Andrew DB84480-XY	133 34 34 62	0.50	3.58	210 00	0.00	-123 93	40 00
Verizon-7	Andrew DB84480-XY	133 34 34 62	0.50	3.58	210 00	0.00	-123 93	40 00
Verizon-8	Rysma MG D3-80T0	133 34 34 62	0.50	3.56	210 00	0.00	-123 93	40 00
Verizon-9	Powerwave P65-15-XI-2	133 34 34 62	0.50	8.54	330 00	0.00	-295 94	106 50
Verizon-10	Andrew DB84480-XY	133 34 34 62	0.50	3.58	330 00	0.00	-123 93	40 00
Verizon-11	Andrew DB84480-XY	133 34 34 62	0.50	3.58	330 00	0.00	-123 93	40 00
Verizon-12	Rysma MG D3-80T0	133 34 34 62	0.50	3.56	330 00	0.00	-123 93	40 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	8.81	90 00	0.00	-335 91	600 00
Sprint-C	RFSP18-C w/ Ice	120 00 33 59	0.50	2.44	90 00	0.00	-123 24	30 00
Sprint-1	ALU RRH	120 00 33 59	0.50	8.81	90 00	0.00	-81 96	66 70
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	8.81	210 00	0.00	-81 96	66 70
Sprint-4	ALU RRH	120 00 33 59	0.50	2.44	210 00	0.00	-81 96	66 70
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	8.81	330 00	0.00	-295 94	106 50
Sprint-7	RFSP18-C w/ Ice	120 00 33 59	0.50	2.44	330 00	0.00	-81 96	66 70
Sprint-8	ALU RRH	120 00 33 59	0.50	2.44	330 00	0.00	-81 96	66 70
Sprint-9	ALU RRH	120 00 33 59	0.50	2.44	330 00	0.00	-81 96	66 70
115-A	3' Stand-Off	113 34 33 05	0.50	1.50	210 00	0.00	-59 57	75 00
105-A	12' Omni	113 34 33 05	0.50	2.40	210 00	0.00	-78 51	170 00
NEU-17	3' Stand-Off	106 66 32 48	0.50	1.50	210 00	0.00	-48 72	75 00
NEU-19	DBS36-Y	123 34 34 62	0.50	0.40	210 00	0.00	-13 85	10 00
85-A	3' Stand-Off	86 66 30 61	0.50	1.50	210 00	0.00	-45 91	75 00
GPS-53	GPS	20 00 23 23	0.50	1.00	330 00	0.00	-23 23	20 00
GPS-68	GPS	60 00 27 56	0.50	1.00	90 00	0.00	-27 56	20 00
CSF-69	Sinclair SC479-HFLDF w/ Ice	160 00 36 47	0.50	6.54	90 00	0.00	-238 51	69 80
CSF-70	Sinclair SC479-HFLDF w/ Ice	160 00 36 47	0.50	6.54	90 00	0.00	-238 51	69 80
CSF-71	Sinclair SC479-HFLDF w/ Ice	160 00 36 47	0.50	6.54	210 00	0.00	-238 51	69 80
CSF-72	Sinclair SC479-HFLDF w/ Ice	160 00 36 47	0.50	1.00	90 00	0.00	-36 47	15 00
CSF-160	3' Stand-Off	160 00 36 47	0.50	1.50	90 00	0.00	-36 47	15 00
CSF-66	RFSP142 w/ Ice	80 00 23 92	0.50	2.80	90 00	0.00	-83 77	21 50
DEP-54	RFSP142 w/ Ice	80 00 23 92	0.50	2.80	330 00	0.00	-83 77	21 50

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 1.78 126.0 7359 0.00 2.00 0.00 1.20 0.00 0.7539 10247
 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 13375
 F 80 00 60 00 70 00 28 80 0.50 109.32 64 42 47 73 300 0 0.58 0.80 1.00 0.74 1.82 135.2 7079 0.00 2.00 0.00 1.20 0.00 0.7079 13911
 G 60 00 40 00 50 00 26 16 0.50 111.79 71 64 52 31 337 3 0.56 0.80 1.00 0.73 1.83 141.7 6799 0.00 2.00 0.00 1.20 0.00 0.6799 15640
 H 40 00 20 00 30 00 23 23 0.50 117.39 72 69 52 25 354 6 0.54 0.80 1.00 0.72 1.86 146.2 6305 0.00 2.00 0.00 1.20 0.00 0.6305 16407
 I 20 00 0 00 10 00 23 23 0.50 118.53 79 21 55 96 361 9 0.52 0.80 1.00 0.71 1.88 150.8 6578 0.00 2.00 0.00 1.20 0.00 0.6578 17713

Equipment Load Case Information for "WT1 0 deg":

Equipment Label	Property Set	Equipment Elevation Above Ground (ft)	Ice Thick. (in)	Ice Area (ft^2)	Total Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Load FEM (lbs)	Antenna Side Load (lbs)	Antenna Moment (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
TOP-A	3' Stand-Off	180.00	37.72	0.50	1.50							56.58	0.00	75.00
TOP-B	3' Stand-Off	180.00	37.72	0.50	1.50							56.58	0.00	75.00
TOP-C1	3' Stand-Off	180.00	37.72	0.50	1.50							56.58	0.00	75.00
TOP-C2	3' Stand-Off	180.00	37.72	0.50	1.50							226.30	0.00	71.00
CSP-67	Dipole	180.00	37.72	0.50	6.00							220.65	0.00	172.00
NEU-20	9' Omni	170.00	37.72	0.50	5.85							74.21	0.00	40.00
CSP-8	4' Dipole	180.00	37.72	0.50	6.54							246.67	0.00	69.80
CSP-3	Sinclair SC479-HFLIDF w/ ice	180.00	37.72	0.50	6.54							1893.80	0.00	220.00
CSP-4	Sinclair SC479-HFLIDF w/ ice	180.00	37.72	0.50	29.00							1893.80	0.00	220.00
CSP-74	6' Dish with Radome	180.00	37.72	0.50	29.00							1083.80	0.00	220.00
CSP-75	6' Dish with Radome	180.00	37.72	0.50	29.00							1083.80	0.00	220.00
CSP-76	6' Dish with Radome	180.00	37.72	0.50	29.00							1083.80	0.00	220.00
CSP-31	6' Dish with Radome	175.00	37.41	0.50	29.00							1083.80	0.00	220.00
CSP-1	Scala CG19-806 w/ ice	175.00	37.41	0.50	1.98							74.08	0.00	22.70
CSP-2	Scala CG19-806 w/ ice	175.00	37.41	0.50	1.98							74.08	0.00	22.70
CSP-73	TMA	180.00	37.72	0.50	1.00							37.72	0.00	15.00
TOG-7	5' Dish	170.00	37.11	0.50	20.00							742.12	0.00	200.00
TOG-5	Andrew DR-883 w/ ice	180.00	37.72	0.50	0.71							26.78	0.00	11.60
TOG-6	DB886-Y	165.00	36.79	0.50	0.40							14.72	0.00	10.00
SPD-9	GLF-940	165.00	36.79	0.50	20.00							735.82	0.00	120.00
159-A	3' Stand-Off	160.00	36.47	0.50	1.50							54.70	0.00	75.00
159-B	3' Stand-Off	160.00	36.47	0.50	1.50							19.23	0.00	20.00
STAM-53	10x4 6x4 Panel	160.00	36.47	0.50	0.50							18.23	0.00	20.00
STAM-55	10x4 6x4 Panel	160.00	36.47	0.50	0.50							358.03	0.00	600.00
ATT-A	12' T-Arm	150.00	35.80	0.50	10.00							358.03	0.00	600.00
ATT-B	12' T-Arm	150.00	35.80	0.50	10.00							358.03	0.00	600.00
ATT-C	12' T-Arm	150.00	35.80	0.50	10.00							358.03	0.00	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88							210.52	0.00	35.00
ATT-A2	Powerwave P65-16-XLR-RR	150.00	35.80	0.50	5.40							300.74	0.00	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88							210.52	0.00	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45							195.12	0.00	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45							195.12	0.00	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-A10	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-A11	Raycap Surge Suppressor	150.00	35.80	0.50	1.27							45.47	0.00	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88							210.52	0.00	35.00
ATT-B2	Powerwave P65-16-XLR-RR	150.00	35.80	0.50	8.40							300.74	0.00	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88							210.52	0.00	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45							195.12	0.00	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45							195.12	0.00	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-B10	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88							210.52	0.00	35.00
ATT-C2	Powerwave P65-16-XLR-RR	150.00	35.80	0.50	8.40							300.74	0.00	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88							210.52	0.00	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45							195.12	0.00	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45							195.12	0.00	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00							35.80	0.00	15.00
143-A	3' Stand-Off	145.00	35.46	0.50	1.50							53.19	0.00	75.00
NEU-18	12' Omni	140.00	35.10	0.50	2.40							84.25	0.00	170.00
NEU-16	8' Omni	140.00	35.10	0.50	1.60							56.17	0.00	160.00

Set	Ground (ft)	(psf)	(in)	Area (ft ²)	Angle (deg)	Load FAM (lbs)	Load FSM (lbs)	MM (ft-lbs)	(lbs)	(lbs)
Top-A	3' Stand-Off	180 00 37 72	0 50	1 50	300 00	28 29	49 00	75 00		
Top-B	3' Stand-Off	180 00 37 72	0 50	1 50	60 00	28 29	49 00	75 00		
Top-C1	3' Stand-Off	180 00 37 72	0 50	1 50	200 00	28 29	49 00	75 00		
Top-C2	3' Stand-Off	180 00 37 72	0 50	1 50	160 00	28 29	49 00	75 00		
CSP-67	Dipole	180 00 37 72	0 50	6 00	300 00	113 15	195 98	71 00		
NEU-20	9' Omni	180 00 37 72	0 50	5 85	60 00	110 32	191 08	172 00		
CSP-8	4' Dipole	170 00 37 11	0 50	2 00	60 00	37 11	64 37	46 00		
CSP-3	Sinclair SC479-HFLDP w/ Ice	180 00 37 72	0 50	6 54	300 00	123 34	215 62	69 60		
CSP-4	Sinclair SC479-HFLDP w/ Ice	180 00 37 72	0 50	6 54	300 00	123 34	215 62	69 60		
CSP-74	6' Dish with Radome	180 00 37 72	0 50	29 00	300 00	546 90	947 36	220 00		
CSP-75	6' Dish with Radome	180 00 37 72	0 50	29 00	300 00	546 90	947 36	220 00		
CSP-76	6' Dish with Radome	180 00 37 72	0 50	29 00	300 00	546 90	947 36	220 00		
CSP-31	6' Dish with Radome	175 00 37 41	0 50	29 00	60 00	542 51	938 66	220 00		
CSP-1	Scala OGT9-806 w/ Ice	175 00 37 41	0 50	1 98	300 00	37 04	64 16	22 70		
CSP-2	Scala OGT9-806 w/ Ice	175 00 37 41	0 50	1 98	300 00	37 04	64 16	22 70		
CSP-73	TWA	180 00 37 72	0 50	1 00	300 00	18 86	32 66	15 00		
TGS-7	5' Dish	170 00 37 11	0 50	20 00	300 00	13 39	23 19	11 60		
TGS-5	Andrew DB-393 w/ Ice	180 00 37 72	0 50	0 71	300 00	7 36	12 74	10 00		
TGS-6	DB586-Y	165 00 36 79	0 50	0 40	60 00	27 35	47 37	75 00		
SPD-9	GLF-940	165 00 36 79	0 50	20 00	60 00	27 35	47 37	75 00		
159-A	3' Stand-Off	160 00 36 47	0 50	1 50	60 00	8 12	15 79	20 00		
159-B	3' Stand-Off	160 00 36 47	0 50	1 50	60 00	8 12	15 79	20 00		
STAN-63	10x4 6x4 Panel	160 00 36 47	0 50	0 50	180 00	9 12	15 79	20 00		
STAN-65	10x4 6x4 Panel	160 00 36 47	0 50	0 50	180 00	9 12	15 79	20 00		
ATT-A	12' T-Alm	150 00 35 80	0 50	10 00	300 00	179 01	310 06	600 00		
ATT-B	12' T-Alm	150 00 35 80	0 50	10 00	300 00	179 01	310 06	600 00		
ATT-C	12' T-Alm	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	300 00	105 26	182 32	35 00		
ATT-A2	Powerwave P65-16-XLR-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	Ericsson RRU	150 00 35 80	0 50	5 45	300 00	97 56	168 98	80 00		
ATT-A7	TWA	150 00 35 80	0 50	1 00	300 00	17 90	31 01	15 00		
ATT-A8	TWA	150 00 35 80	0 50	1 00	300 00	17 90	31 01	15 00		
ATT-A9	TWA	150 00 35 80	0 50	1 00	300 00	17 90	31 01	15 00		
ATT-A10	TWA	150 00 35 80	0 50	1 00	300 00	17 90	31 01	15 00		
ATT-B1	Raycap Surge Suppressor	150 00 35 80	0 50	1 27	300 00	22 73	39 38	20 00		
ATT-B2	Powerwave 7770	150 00 35 80	0 50	5 88	60 00	105 26	182 32	35 00		
ATT-B3	Powerwave P65-16-XLR-RR	150 00 35 80	0 50	8 40	60 00	150 37	260 45	65 00		
ATT-B4	Powerwave 7770	150 00 35 80	0 50	5 88	60 00	105 26	182 32	35 00		
ATT-B5	Ericsson RRU	150 00 35 80	0 50	5 45	60 00	97 56	168 98	80 00		
ATT-B6	Ericsson RRU	150 00 35 80	0 50	5 45	60 00	97 56	168 98	80 00		
ATT-B7	Ericsson RRU	150 00 35 80	0 50	5 45	60 00	97 56	168 98	80 00		
ATT-B8	TWA	150 00 35 80	0 50	1 00	60 00	17 90	31 01	15 00		
ATT-B9	TWA	150 00 35 80	0 50	1 00	60 00	17 90	31 01	15 00		
ATT-C1	TWA	150 00 35 80	0 50	1 00	60 00	17 90	31 01	15 00		
ATT-C2	Powerwave 7770	150 00 35 80	0 50	5 88	180 00	105 26	182 32	35 00		
ATT-C3	Powerwave P65-16-XLR-RR	150 00 35 80	0 50	8 40	180 00	150 37	260 45	65 00		
ATT-C4	Powerwave 7770	150 00 35 80	0 50	5 88	180 00	105 26	182 32	35 00		
ATT-C5	Ericsson RRU	150 00 35 80	0 50	5 45	180 00	97 56	168 98	80 00		
ATT-C6	Ericsson RRU	150 00 35 80	0 50	5 45	180 00	97 56	168 98	80 00		
ATT-C7	TWA	150 00 35 80	0 50	1 00	180 00	17 90	31 01	15 00		
ATT-C8	TWA	150 00 35 80	0 50	1 00	180 00	17 90	31 01	15 00		
ATT-C9	TWA	150 00 35 80	0 50	1 00	180 00	17 90	31 01	15 00		
1A3-A	3' Stand-Off	145 00 35 46	0 50	1 50	60 00	26 59	46 06	75 00		
1A3-B	12' Omni	140 00 35 10	0 50	2 40	300 00	42 12	72 99	170 00		
NEU-16	8' Omni	140 00 35 10	0 50	1 60	300 00	28 08	49 64	160 00		
T-Mobile-1	ERICSSON AIR B2A/B4P	140 00 35 10	0 50	6 40	300 00	112 33	194 57	124 00		
T-Mobile-2	ERICSSON AIR B2A/B4P	140 00 35 10	0 50	6 40	300 00	112 33	194 57	124 00		
T-Mobile-3	TWA	140 00 35 10	0 50	1 00	300 00	17 55	30 40	15 00		
T-Mobile-4	ERICSSON AIR B2A/B4P	140 00 35 10	0 50	6 40	300 00	112 33	194 57	124 00		
T-Mobile-5	ERICSSON AIR B2A/B4P	140 00 35 10	0 50	6 40	300 00	112 33	194 57	124 00		
T-Mobile-6	TWA	140 00 35 10	0 50	1 00	60 00	17 55	30 40	15 00		
T-Mobile-7	ERICSSON AIR B2A/B4P	140 00 35 10	0 50	6 40	300 00	112 33	194 57	124 00		
T-Mobile-8	ERICSSON AIR B2A/B4P	140 00 35 10	0 50	6 40	300 00	112 33	194 57	124 00		
T-Mobile-9	ERICSSON AIR B2A/B4P	140 00 35 10	0 50	6 40	300 00	112 33	194 57	124 00		
Verizon-A	TWA	133 34 34 62	0 50	24 40	300 00	422 34	731 52	470 00		
Verizon-B	Beam Gate	133 34 34 62	0 50	24 40	300 00	422 34	731 52	470 00		

Equipment Label	Room Gate	133	34	34	62	0	50	24	40	180	60															
Section Label	Z of Top (ft)	Ave. Elev. (ft)	Elev. Above (ft)	qzch (psf)	Ice Thick. (in)	AF (ft^2)	AR (ft^2)	RR (ft^2)	Face (ft^2)	Face (ft^2)	Face (ft^2)	Face (ft^2)	DR	RR	CF	AE (ft^2)	WF (lbs)	NotF AAF (ft^2)	NotF CAF (ft^2)	NotF AAR (ft^2)	NotF CAR (ft^2)	NotF CAR (ft^2)	NotF CAR (ft^2)	WA (lbs)	Wind Weight (lbs)	Total Weight (lbs)
Verizon-1	Powerwave P65-15-XL-2	133	34	34	62	0	50	24	40	180	60															
Verizon-2	Andrew DB84H80-XY	133	34	34	62	0	50	5	54	300	00															
Verizon-3	Andrew DB84H80-XY	133	34	34	62	0	50	3	58	300	00															
Verizon-4	Ryema MG D3-80T0	133	34	34	62	0	50	3	56	300	00															
Verizon-5	Andrew LNK-6514DS-TM	133	34	34	62	0	50	8	51	60	00															
Verizon-6	Andrew DB84H80-XY	133	34	34	62	0	50	3	58	60	00															
Verizon-7	Andrew DB84H80-XY	133	34	34	62	0	50	3	58	60	00															
Verizon-8	Ryema MG D3-80T0	133	34	34	62	0	50	3	56	60	00															
Verizon-9	Powerwave P65-15-XL-2	133	34	34	62	0	50	8	54	180	00															
Verizon-10	Andrew DB84H80-XY	133	34	34	62	0	50	3	58	180	00															
Verizon-11	Andrew DB84H80-XY	133	34	34	62	0	50	3	56	180	00															
Verizon-12	Ryema MG D3-80T0	133	34	34	62	0	50	10	00	300	00															
Sprint-A	12' T-Arm	120	00	33	59	0	50	10	00	60	00															
Sprint-B	12' T-Arm	120	00	33	59	0	50	10	00	180	00															
Sprint-C	12' T-Arm	120	00	33	59	0	50	8	81	300	00															
Sprint-1	RFS APXVSP18-C w/ ice	120	00	33	59	0	50	2	44	300	00															
Sprint-2	ALU RRH	120	00	33	59	0	50	2	44	300	00															
Sprint-3	ALU RRH	120	00	33	59	0	50	2	44	300	00															
Sprint-4	RFS APXVSP18-C w/ ice	120	00	33	59	0	50	6	81	60	00															
Sprint-5	ALU RRH	120	00	33	59	0	50	2	44	60	00															
Sprint-6	ALU RRH	120	00	33	59	0	50	2	44	60	00															
Sprint-7	ALU RRH	120	00	33	59	0	50	2	44	180	00															
Sprint-8	ALU RRH	120	00	33	59	0	50	2	44	180	00															
Sprint-9	ALU RRH	120	00	33	59	0	50	2	44	180	00															
115-A	3' Stand-Off	113	34	33	05	0	50	2	40	60	00															
105-A	12' Omni	106	66	32	48	0	50	1	50	60	00															
NEU-19	DB886-Y	133	34	34	62	0	50	4	60	60	00															
85-A	3' Stand-Off	86	66	30	61	0	50	1	50	60	00															
GPS-53	GPS	20	00	23	23	0	50	1	00	180	00															
GPS-68	GPS	60	00	27	56	0	50	1	00	300	00															
CSP-59	Sinclair SC479-HELDF w/ ice	160	00	36	47	0	50	6	54	300	00															
CSP-70	Sinclair SC479-HELDF w/ ice	160	00	36	47	0	50	6	54	300	00															
CSP-71	Sinclair SC479-HELDF w/ ice	160	00	36	47	0	50	6	54	60	00															
CSP-72	3' Stand-Off	160	00	36	47	0	50	1	00	300	00															
CSP-66	RFS PD1142 w/ ice	80	00	29	92	0	50	2	80	300	00															
DEP-54	RFS PD1142 w/ ice	80	00	29	92	0	50	2	80	180	00															
DOP-56	Dipole	80	00	29	92	0	50	6	00	60	00															

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

Section Label	Z of Top (ft)	Ave. Elev. (ft)	Elev. Above (ft)	qzch (psf)	Ice Thick. (in)	AF (ft^2)	AR (ft^2)	RR (ft^2)	Face (ft^2)	Face (ft^2)	Face (ft^2)	Face (ft^2)	DR	RR	CF	AE (ft^2)	WF (lbs)	NotF AAF (ft^2)	NotF CAF (ft^2)	NotF AAR (ft^2)	NotF CAR (ft^2)	NotF CAR (ft^2)	NotF CAR (ft^2)	WA (lbs)	Wind Weight (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	7782
B	160	00	140	00	150	00	35	80	0	50	76	52	48	36	38	20	191	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	8422	
C	140	00	120	00	130	00	34	37	0	50	97	73	49	33	40	11	218	3	0	68	0	80	1	00	0	80	1	118	1	7222	0	00	2	00	0	00	1	20	0	00	0	7222	9316	
D	120	00	100	00	110	00	32	77	0	50	100	24	58	43	45	80	245	5	0	65	0	80	1	00	0	78	1	78	126	7	7359	0	00	2	00	0	00	1	20	0	00	0	7359	10247
E	100	00	80	00	90	00	30	94	0	50	104	01	63	28	48	90	272	8	0	63	0	80	1	00	0	74	1	79	136	2	7532	0	00	2	00	0	00	1	20	0	00	0	7532	13375
F	80	00	60	00	70	00	28	80	0	50	109	32	64	42	47	73	300	0	58	0	80	1	00	0	74	1	82	135	2	7079	0	00	2	00	0	00	1	20	0	00	0	7079	13911	
G	60	00	40	00	50	00	26	16	0	50	111	79	71	64	52	31	327	3	0	56	0	80	1	00	0	71	1	83	141	7	6799	0	00	2	00	0	00	1	20	0	00	0	6799	15640
H	40	00	20	00	30	00	23	23	0	50	117	39	72	89	52	25	354	6	0	54	0	80	1	00	0	72	1	86	146	2	6305	0	00	2	00	0	00	1	20	0	00	0	6305	16407
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	17713

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

Equipment Label	Equipment Property	Elevation Above Ground (ft)	qzch (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Load FPM (lbs)	Antenna Side Load FPM (lbs)	Antenna Moment (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)		
TOP-A	3' Stand-Off	180	00	37	72	0	50	1	50	270	00	0	00	56	58	75	00
TOP-B	3' Stand-Off	180	00	37	72	0	50	1	50	30	00	0	00	56	58	75	00
TOP-C1	3' Stand-Off	180	00	37	72	0	50	1	50	170	00	0	00	56	58	75	00
TOP-C2	3' Stand-Off	180	00	37	72	0	50	1	50	130	00	0	00	56	58	75	00
CSP-57	Dipole	180	00	37	72	0	50	6	00	270	00	0	00	226	30	71	00
NEU-20	9' Omni	180	00	37	72	0	50	5	85	30	00	0	00	220	65	172	00
CSP-8	4' Dipole	170	00	37	11	0	50	2	00	30	00	0	00	74	21	40	00
CSP-3	Sinclair SC479-HELDF w/ ice	180	00	37	72	0	50	6	54	270	00	0	00	246	57	69	80

CSP-4	Sinclair	SCM79-HFLDF w/ Ice	180.00	37.72	0.50	6.54	150.00	0.00	246.67	69.80
CSP-74		6' Dish with Radome	180.00	37.72	0.50	29.00	270.00	0.00	1093.80	220.00
CSP-75		6' Dish with Radome	180.00	37.72	0.50	29.00	30.00	0.00	1093.80	220.00
CSP-76		6' Dish with Radome	180.00	37.72	0.50	29.00	150.00	0.00	1093.80	220.00
CSP-31		Scala OGT9-806 w/ Ice	175.00	37.41	0.50	1.98	270.00	0.00	74.08	22.70
CSP-1		Scala OGT9-806 w/ Ice	175.00	37.41	0.50	1.98	150.00	0.00	74.08	22.70
CSP-73		5' Dish	180.00	37.72	0.50	1.00	270.00	0.00	37.72	15.00
TOG-7		Andrew DB-583 w/ Ice	180.00	37.72	0.50	0.71	270.00	0.00	762.12	200.00
TOG-5		DB586-Y	165.00	36.75	0.50	0.40	30.00	0.00	54.72	10.00
TOG-6		GLS-340	165.00	36.75	0.50	20.00	30.00	0.00	75.82	12.00
SEP-9		3' Stand-Off	160.00	36.47	0.50	1.50	30.00	0.00	54.70	12.00
139-A		3' Stand-Off	160.00	36.47	0.50	1.50	150.00	0.00	54.70	12.00
139-B		10x4.6x4 Panel	160.00	36.47	0.50	0.50	30.00	0.00	18.23	20.00
SPAN-63		10x4.6x4 Panel	160.00	36.47	0.50	0.50	150.00	0.00	18.23	20.00
SPAN-65		12' T-Arm	150.00	35.80	0.50	10.00	270.00	0.00	358.03	600.00
ATT-A		12' T-Arm	150.00	35.80	0.50	10.00	30.00	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	5.68	270.00	0.00	210.52	35.00
ATT-A4		Ericsson RRU	150.00	35.80	0.50	5.45	270.00	0.00	195.12	80.00
ATT-A5		Ericsson RRU	150.00	35.80	0.50	5.45	270.00	0.00	195.12	80.00
ATT-A6		TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A7		TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A8		TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A9		TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A10		Raycap Surge Suppressor	150.00	35.80	0.50	1.27	270.00	0.00	45.47	20.00
ATT-B1		Powerwave 7770	150.00	35.80	0.50	5.88	30.00	0.00	210.52	35.00
ATT-B2		Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	30.00	0.00	300.74	65.00
ATT-B3		Powerwave 7770	150.00	35.80	0.50	5.88	30.00	0.00	210.52	35.00
ATT-B4		Ericsson RRU	150.00	35.80	0.50	5.45	30.00	0.00	195.12	80.00
ATT-B5		Ericsson RRU	150.00	35.80	0.50	5.45	30.00	0.00	195.12	80.00
ATT-B6		TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-B7		TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-B8		TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-B9		TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-C1		Powerwave 7770	150.00	35.80	0.50	5.88	150.00	0.00	210.52	35.00
ATT-C2		Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	150.00	0.00	300.74	65.00
ATT-C3		Powerwave 7770	150.00	35.80	0.50	5.88	150.00	0.00	210.52	35.00
ATT-C4		Ericsson RRU	150.00	35.80	0.50	5.45	150.00	0.00	195.12	80.00
ATT-C5		Ericsson RRU	150.00	35.80	0.50	5.45	150.00	0.00	195.12	80.00
ATT-C6		TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C7		TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C8		TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C9		TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
143-A		3' Stand-Off	145.00	35.46	0.50	1.50	30.00	0.00	53.19	75.00
NEU-18		12' Omni	140.00	35.10	0.50	2.40	270.00	0.00	84.25	170.00
NEU-16		8' Omni	140.00	35.10	0.50	1.60	150.00	0.00	56.17	160.00
T-Mobile-1		ERICSSON AIR B2A/B4P	140.00	35.10	0.50	6.40	270.00	0.00	224.66	124.00
T-Mobile-2		ERICSSON AIR B2A/B4P	140.00	35.10	0.50	6.40	270.00	0.00	224.66	124.00
T-Mobile-3		TMA	140.00	35.10	0.50	1.00	270.00	0.00	35.10	15.00
T-Mobile-4		ERICSSON AIR B2A/B4P	140.00	35.10	0.50	6.40	30.00	0.00	224.66	124.00
T-Mobile-5		ERICSSON AIR B2A/B4P	140.00	35.10	0.50	6.40	30.00	0.00	224.66	124.00
T-Mobile-6		TMA	140.00	35.10	0.50	1.00	30.00	0.00	35.10	15.00
T-Mobile-7		ERICSSON AIR B2A/B4P	140.00	35.10	0.50	6.40	150.00	0.00	224.66	124.00
T-Mobile-8		ERICSSON AIR B2A/B4P	140.00	35.10	0.50	6.40	150.00	0.00	224.66	124.00
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	150.00	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		Powerwave P65-15-XI-2	133.34	34.62	0.50	8.54	270.00	0.00	258.66	70.00
Verizon-2		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	270.00	0.00	123.93	40.00
Verizon-3		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	270.00	0.00	123.93	40.00
Verizon-4		Rysma MS D3-800T0	133.34	34.62	0.50	3.56	270.00	0.00	123.24	30.00
Verizon-5		Andrew LRX-65-4DS-T4M	133.34	34.62	0.50	8.51	30.00	0.00	294.60	60.00
Verizon-6		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	30.00	0.00	123.93	40.00
Verizon-7		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	30.00	0.00	123.93	40.00
Verizon-8		Rysma MS D3-800T0	133.34	34.62	0.50	3.56	30.00	0.00	123.24	30.00
Verizon-9		Powerwave P65-15-XI-2	133.34	34.62	0.50	8.54	150.00	0.00	295.64	70.00
Verizon-10		Andrew DB844H80-XY	133.34	34.62	0.50	3.58	150.00	0.00	123.93	40.00

SPD-9	GLP-940	165.00	0.00	0.50	20.00	120.00	0.00	0.00	120.00
159-A	3' Stand-Off	160.00	0.00	0.50	1.50	120.00	0.00	0.00	75.00
159-B	3' Stand-Off	160.00	0.00	0.50	1.50	240.00	0.00	0.00	75.00
STRM-83	10x4 6x4 Panel	160.00	0.00	0.50	0.50	120.00	0.00	0.00	20.00
STRM-85	10x4 6x4 Panel	160.00	0.00	0.50	0.50	240.00	0.00	0.00	20.00
ATT-A	12' T-Arm	150.00	0.00	0.50	10.00	0.00	0.00	0.00	600.00
ATT-B	12' T-Arm	150.00	0.00	0.50	10.00	120.00	0.00	0.00	600.00
ATT-C	12' T-Arm	150.00	0.00	0.50	10.00	240.00	0.00	0.00	600.00
ATT-A1	Powerwave 7770	150.00	0.00	0.50	5.88	0.00	0.00	0.00	35.00
ATT-A2	Powerwave P65-16-XLR-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-XLR-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	3.45	120.00	0.00	0.00	15.00
ATT-B7	TMA	150.00	0.00	0.50	3.45	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-XLR-RR	150.00	0.00	0.50	8.40	240.00	0.00	0.00	65.00
ATT-C3	Powerwave 7770	150.00	0.00	0.50	5.88	240.00	0.00	0.00	35.00
ATT-C4	Ericsson RRU	150.00	0.00	0.50	5.45	240.00	0.00	0.00	80.00
ATT-C5	Ericsson RRU	150.00	0.00	0.50	5.45	240.00	0.00	0.00	80.00
ATT-C6	TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00
ATT-C7	TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00
ATT-C8	TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00
ATT-C9	TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00
143-A	3' Stand-Off	145.00	0.00	0.50	1.50	120.00	0.00	0.00	75.00
NEU-15	12' Omni	140.00	0.00	0.50	2.40	0.00	0.00	0.00	160.00
NEU-16	8' Omni	140.00	0.00	0.50	1.60	240.00	0.00	0.00	160.00
T-Mobile-1	ERICSSON AIR B2A/B4P	140.00	0.00	0.50	6.40	0.00	0.00	0.00	124.00
T-Mobile-2	ERICSSON AIR B2A/B4P	140.00	0.00	0.50	6.40	0.00	0.00	0.00	124.00
T-Mobile-3	TMA	140.00	0.00	0.50	1.00	0.00	0.00	0.00	15.00
T-Mobile-4	ERICSSON AIR B2A/B4P	140.00	0.00	0.50	6.40	120.00	0.00	0.00	124.00
T-Mobile-5	ERICSSON AIR B2A/B4P	140.00	0.00	0.50	6.40	120.00	0.00	0.00	124.00
T-Mobile-6	TMA	140.00	0.00	0.50	1.00	0.00	0.00	0.00	15.00
T-Mobile-7	ERICSSON AIR B2A/B4P	140.00	0.00	0.50	6.40	240.00	0.00	0.00	124.00
T-Mobile-8	ERICSSON AIR B2A/B4P	140.00	0.00	0.50	6.40	240.00	0.00	0.00	124.00
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	Powerwave P65-15-XL-2	133.34	0.00	0.50	6.54	0.00	0.00	0.00	70.00
Verizon-2	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	0.00	0.00	0.00	40.00
Verizon-3	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	0.00	0.00	0.00	40.00
Verizon-4	Rysma MG D3-800T0	133.34	0.00	0.50	3.56	0.00	0.00	0.00	30.00
Verizon-5	Andrew DMX-6514DS-14M	133.34	0.00	0.50	6.51	120.00	0.00	0.00	40.00
Verizon-6	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	120.00	0.00	0.00	40.00
Verizon-7	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	120.00	0.00	0.00	40.00
Verizon-8	Rysma MG D3-800T0	133.34	0.00	0.50	3.56	120.00	0.00	0.00	30.00
Verizon-9	Powerwave P65-15-XL-2	133.34	0.00	0.50	8.54	240.00	0.00	0.00	70.00
Verizon-10	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	240.00	0.00	0.00	40.00
Verizon-11	Andrew DB844H80-XY	133.34	0.00	0.50	3.58	240.00	0.00	0.00	40.00
Verizon-12	Rysma MG D3-800T0	133.34	0.00	0.50	3.56	240.00	0.00	0.00	30.00
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 APXVSP18-C w/ Ice	120.00	0.00	0.50	8.81	0.00	0.00	0.00	106.50
Sprint-2	ALJ RBH	120.00	0.00	0.50	2.44	0.00	0.00	0.00	66.70
Sprint-3	ALJ RBH	120.00	0.00	0.50	2.44	0.00	0.00	0.00	66.70
Sprint-4	RFS APXVSP18-C w/ Ice	120.00	0.00	0.50	8.81	120.00	0.00	0.00	106.50
Sprint-5	ALJ RBH	120.00	0.00	0.50	2.44	120.00	0.00	0.00	66.70
Sprint-6	ALJ RBH	120.00	0.00	0.50	2.44	120.00	0.00	0.00	66.70

*** Analysis Results:

Maximum element usage is 99.18% for Angle "SNB-LH2P" in load case "W+I 0 deg"
 Angle forces For All load Cases:
 Positive for tension - negative for compression

Group Label	Max. Usage %	Max. Tens. (kips)	Max. Comp. (kips)	IC 1 (kips)	IC 2 (kips)	IC 3 (kips)	IC 4 (kips)	IC 5 (kips)	IC 6 (kips)
Rohn-D1	25.31	1.445	-1.216	-1.216	-0.610	0.892	1.445	1.480	-0.019
Rohn-D11	40.99	1.900	-1.970	1.900	1.804	0.314	-1.970	-1.970	-0.035
Rohn-D12	33.79	0.821	-1.624	-0.853	-1.509	-1.624	-0.074	0.821	-0.016
Rohn-D2	21.97	1.469	-1.056	1.000	1.469	1.239	-0.300	-0.056	-0.030
Rohn-D21	41.67	0.858	-2.003	0.858	-0.222	-2.003	1.756	0.917	-0.030
Rohn-D22	28.77	1.428	-1.383	-1.383	-0.922	0.517	1.428	1.361	-0.010
Rohn-D3	24.15	1.870	-1.091	1.870	-0.015	1.870	1.794	1.026	-0.033
Rohn-D31	45.43	1.995	-2.053	1.995	1.995	0.604	-1.446	-2.053	-0.051
Rohn-D32	35.67	0.895	-1.612	-0.655	-1.309	-1.612	-0.250	0.895	-0.028
Rohn-D4	26.57	1.694	-1.200	1.110	1.694	1.514	-0.468	-1.200	-0.046
Rohn-D41	51.43	0.336	-2.324	0.336	-0.818	-2.324	1.468	-0.423	-0.043
Rohn-D42	39.80	1.798	-1.798	-1.798	-1.628	0.193	1.404	1.750	-0.024
Rohn-D5	38.44	2.364	-1.635	-1.635	-0.450	2.364	2.364	1.590	-0.025
Rohn-D51	48.70	1.893	-2.071	1.893	1.876	0.316	-1.603	-2.071	-0.038
Rohn-D52	35.45	0.861	-1.507	-1.001	-1.507	0.417	0.169	0.961	-0.018
Rohn-D6	34.95	1.884	-1.486	1.414	1.884	1.393	-0.608	-1.486	-0.039
Rohn-D61	51.27	1.033	-2.180	1.033	-0.141	-2.180	-1.973	-1.094	-0.030
Rohn-D62	47.16	1.979	-2.005	-2.005	-1.769	0.164	1.612	1.979	-0.013
Rohn-D7	30.67	1.614	-1.229	1.136	1.614	1.355	-0.404	-1.229	-0.047
Rohn-D71	46.75	0.896	-3.075	0.896	-0.697	-3.075	-2.299	-0.974	-0.040
Rohn-D72	76.77	1.818	-1.874	-1.874	-1.722	0.272	1.414	1.818	-0.027
Rohn-D8	29.97	2.078	-1.201	-1.201	-0.017	2.078	1.964	1.128	-0.036
Rohn-D81	58.83	2.434	-2.397	2.301	2.434	0.906	-1.582	-2.397	-0.051
Rohn-D82	43.06	1.066	-1.725	-1.116	-1.725	-1.686	0.134	1.066	-0.027
Rohn-D9	32.24	3.506	-1.526	0.391	3.506	2.941	1.485	-0.030	-0.030
Rohn-D91	52.60	2.899	-3.004	2.899	2.896	0.318	-2.442	-3.004	-0.042
Rohn-D92	43.94	1.953	-2.623	-1.974	-2.623	-2.648	0.735	1.953	-0.024
Rohn-D93	26.63	2.315	-1.524	1.464	2.315	2.279	-0.421	-1.524	-0.042
Rohn-D94	57.05	1.945	-3.258	1.945	-0.149	-3.258	-3.258	-2.007	-0.033
Rohn-D95	52.84	2.828	-3.018	-2.995	-3.018	-0.948	2.026	2.928	-0.022
Rohn-D96	40.42	2.945	-2.180	-2.180	-0.676	2.502	2.945	2.064	-0.059
Rohn-D97	45.53	2.658	-2.455	2.353	2.658	1.318	-1.404	-2.455	-0.049
Rohn-D98	42.24	0.726	-2.278	-2.191	-2.056	2.367	-0.422	0.726	-0.044
Rohn-D99	40.62	2.367	-2.191	2.056	2.367	1.353	-1.262	-2.191	-0.058
Rohn-D991	63.54	0.720	-3.427	0.720	-0.993	-3.427	-2.279	-0.817	-0.050
Rohn-D992	45.32	2.369	-2.444	-2.444	-1.966	0.179	2.095	2.369	-0.043
Rohn-D993	56.87	4.529	-2.900	-2.900	-2.348	4.468	4.529	2.782	-0.068
Rohn-D994	59.13	4.401	-4.545	4.401	4.210	0.820	-3.441	-4.545	-0.072
Rohn-D995	27.075	3.963	-2.889	-2.760	3.963	3.368	-0.024	2.075	-0.061
Rohn-D996	56.66	2.076	-4.972	2.076	-0.576	-4.972	-4.255	-2.689	-0.073
Rohn-D997	97.50	4.401	-4.972	4.524	-3.961	-4.972	4.255	-2.231	-0.067
Rohn-D998	58.73	4.401	-2.374	-2.374	0.483	5.187	4.331	2.198	-0.086
Rohn-D999	26.34	5.187	-2.374	-2.374	0.483	5.187	4.331	2.198	-0.086
Rohn-D9991	54.83	4.734	-4.941	4.734	4.093	0.097	-4.123	-4.941	-0.080
Rohn-D9992	48.99	2.938	-4.415	-3.061	-4.415	-3.964	0.716	2.938	-0.081
Rohn-D9993	26.73	4.118	-2.409	2.223	3.819	4.118	-0.082	-2.409	-0.091
Rohn-D9994	55.91	2.920	-5.038	2.920	0.168	5.038	-4.909	-3.049	-0.084
Rohn-D9995	54.56	4.721	-4.917	-4.917	-4.653	1.014	3.520	4.721	-0.082
Rohn-D9996	56.92	5.687	-4.524	-4.524	-1.763	4.407	5.687	4.184	-0.174
Rohn-D9997	67.35	5.335	-5.352	5.327	5.335	2.056	-3.491	-5.352	-0.176
Rohn-D9998	61.93	1.193	-5.397	-1.557	-5.397	-1.193	1.193	-0.168	-0.168
Rohn-D9999	56.90	5.133	-4.522	4.176	5.133	3.314	-2.313	-4.522	-0.177
Rohn-D99991	91.30	1.221	-6.461	1.221	-1.950	-6.461	-4.321	-1.592	-0.172
Rohn-D99992	67.59	5.058	-5.371	-5.371	-4.032	1.007	4.836	5.058	-0.169
Rohn-D99993	55.49	6.035	-3.462	3.462	0.084	6.035	5.746	3.393	-0.043
Rohn-D99994	82.46	6.025	-6.154	6.025	5.476	0.648	-4.903	-6.154	-0.048
Rohn-D99995	31.07	5.241	-5.304	-5.304	-5.197	-5.304	0.217	-3.129	-0.039
Rohn-D99996	48.19	3.411	-3.462	3.411	0.314	3.411	-6.382	-3.462	-0.046
Rohn-D99997	84.97	2.111	-6.127	3.111	-6.127	-6.382	-5.712	-3.193	-0.044
Rohn-D99998	82.10	6.011	-6.127	-6.127	-5.391	4.948	6.011	-0.040	-0.040
Rohn-D99999	51.88	5.642	-3.511	-3.511	-0.284	5.642	3.319	-3.511	-0.189

Rohn-D3	84 87	5 591	-5 974	5 591	5 078	0 587	-4 736	-5 974	-0 180
Rohn-DC51	2 758	-5 293	-3 079	-5 004	-5 293	-0 026	2 758	-0 168	
Rohn-DC52	4 898	-3 530	3 188	4 896	4 656	-0 794	-3 530	-0 174	
Rohn-DC53	2 751	-6 249	2 751	-0 506	-6 249	-5 491	-3 030	-0 178	
Rohn-DC54	5 824	-5 982	-5 982	-0 594	-0 594	6 819	-0 166		
Rohn-DA	6 509	-4 681	-4 681	0 897	0 897	6 509	4 151	-0 274	
Rohn-DA1	6 563	-7 773	6 563	6 257	1 027	-5 587	-7 273	-0 254	
Rohn-DA2	78 20	-6 738	-6 738	-6 504	-6 738	-0 713	-2 711	-0 275	
Rohn-DA3	54 41	-4 669	4 121	6 032	5 306	-1 438	4 169	-0 283	
Rohn-DA4	78 19	-7 707	7 707	-1 192	-1 192	6 312	-5 235	-0 291	
Rohn-DD1	89 45	-7 204	-7 204	0 344	0 344	5 789	6 643	-0 270	
Rohn-DD2	83 61	-3 222	-3 222	0 475	0 475	5 889	6 643	-0 270	
Rohn-DD3	47 25	-6 850	-6 850	6 443	6 443	5 875	-6 788	-0 012	
Rohn-DD4	83 58	-5 868	-3 863	5 714	0 126	5 875	-6 788	-0 038	
Rohn-DD5	72 25	-3 235	-3 235	5 416	5 416	0 005	-3 235	-0 021	
Rohn-DD6	40 86	-5 825	-3 194	5 416	5 416	0 005	-3 235	-0 021	
Rohn-DD7	82 08	-6 666	-6 666	0 167	-6 666	6 361	-3 852	-0 034	
Rohn-DD8	82 52	-6 702	-6 702	-6 084	-6 084	5 200	6 650	-0 010	
Rohn-DD9	55 35	-4 254	-4 254	0 811	0 811	5 942	3 768	-0 251	
Rohn-DD10	87 36	-6 714	-6 714	6 100	5 734	1 013	-6 714	-0 274	
Rohn-DD11	80 98	-6 216	-2 962	-5 283	-6 216	-0 636	2 471	-0 258	
Rohn-DD12	2 471	-4 267	3 754	5 456	4 852	-1 306	-4 267	-0 264	
Rohn-DD13	55 92	-7 183	2 857	-1 126	-7 183	-5 172	-2 976	-0 272	
Rohn-DD14	93 47	-6 693	-6 693	-5 566	-6 693	0 937	5 251	-0 248	
Rohn-DD15	37 09	-3 599	-3 599	-0 706	4 894	4 888	3 038	-0 282	
Rohn-DD16	30 22	-5 636	-5 008	4 691	0 784	-4 292	-5 636	-0 305	
Rohn-DD17	44 06	-5 214	-2 597	-4 851	-5 214	0 537	2 022	-0 288	
Rohn-DD18	40 76	-3 612	-3 612	4 422	3 978	-1 173	-3 612	-0 285	
Rohn-DD19	28 24	-6 137	2 004	-1 007	-6 137	4 913	-2 608	-0 302	
Rohn-DD20	43 85	-5 610	-5 610	4 720	4 101	4 260	5 034	-0 278	
Rohn-DD21	47 98	-2 637	-2 637	0 807	6 497	5 102	2 510	-0 090	
Rohn-DD22	39 98	-5 887	-5 887	4 915	5 887	-5 484	-6 302	-0 111	
Rohn-DD23	52 08	-5 636	-5 636	-5 636	-5 636	0 968	3 765	-0 098	
Rohn-DD24	46 57	-2 649	-2 649	4 651	4 651	5 606	3 355	-0 104	
Rohn-DD25	34 50	-6 083	-6 083	0 524	-6 083	3 976	-6 083	-0 108	
Rohn-DD26	50 27	-6 279	-6 279	-5 892	-1 267	4 499	6 005	-0 088	
Rohn-DD27	11 89	-4 375	-4 375	0 714	6 327	6 152	3 773	-0 270	
Rohn-DD28	38 94	-6 779	-6 779	6 019	0 759	-5 598	-7 189	-0 287	
Rohn-DD29	62 59	-6 647	-6 647	-7 116	-6 647	-0 538	2 822	-0 275	
Rohn-DD30	57 95	-4 359	3 740	5 475	-4 359	-1 324	-4 359	-0 279	
Rohn-DD31	65 83	-7 561	2 808	-1 005	-7 561	-6 174	-3 392	-0 286	
Rohn-DD32	82 06	-7 128	-7 128	-5 968	-7 128	5 572	6 352	-0 258	
Rohn-DD33	50 81	-4 403	-4 403	0 163	8 256	0 220	-4 403	-0 274	
Rohn-DD34	62 62	-8 950	8 212	7 113	0 082	-7 463	-8 950	-0 291	
Rohn-DD35	44 20	-7 751	-7 751	-7 589	-7 751	0 292	4 268	-0 279	
Rohn-DD36	44 90	-4 417	4 017	6 738	7 296	-0 326	-4 417	-0 284	
Rohn-DD37	61 20	-8 746	4 236	0 230	-8 746	8 073	-4 864	-0 288	
Rohn-DD38	62 35	-8 911	-8 911	-7 821	-8 911	6 617	8 208	-0 271	
Rohn-DD39	46 23	-5 075	-5 075	0 945	7 511	7 172	4 436	-0 262	
Rohn-DD40	7 511	-8 412	7 783	7 026	0 945	-6 508	-8 412	-0 274	
Rohn-DD41	59 01	-7 919	-7 919	-6 603	-7 919	0 633	3 351	-0 265	
Rohn-DD42	62 68	-5 081	-5 081	4 224	6 698	6 572	-1 209	-0 270	
Rohn-DD43	59 01	-3 354	-3 354	-1 090	-3 354	0 945	5 081	-0 270	
Rohn-DD44	55 89	-8 842	-8 842	3 354	-8 842	7 075	-3 753	-0 272	
Rohn-DD45	62 64	-3 407	-3 407	0 955	0 955	6 593	7 806	-0 259	
Rohn-DD46	43 27	-6 532	-6 532	-0 529	7 047	6 754	4 120	-0 306	
Rohn-DD47	81 92	-7 064	7 313	6 819	0 636	-6 166	-8 064	-0 314	
Rohn-DD48	53 16	-7 338	-3 940	-6 376	-7 338	-0 395	3 203	-0 307	
Rohn-DD49	38 88	-4 538	4 114	6 318	6 176	-0 970	-4 538	-0 311	
Rohn-DD50	55 10	-8 214	3 201	0 840	-8 214	-7 013	-3 943	-0 312	
Rohn-DD51	63 81	-8 051	-8 051	-6 896	0 217	6 193	7 320	-0 303	
Rohn-DD52	42 28	-4 089	-4 089	-0 205	6 870	6 050	3 531	-0 214	
Rohn-DD53	61 98	-6 760	-6 760	5 823	0 445	-5 841	-7 360	-0 221	
Rohn-DD54	56 99	-3 668	-3 668	-5 957	-6 768	-0 089	3 369	-0 215	
Rohn-DD55	37 16	-4 095	-4 095	5 634	6 038	-0 626	-4 095	-0 219	
Rohn-DD56	63 95	-7 594	3 367	0 504	-7 594	6 372	-3 612	-0 219	
Rohn-DD57	61 93	-7 354	-7 354	-6 243	-7 354	5 524	6 813	-0 212	
Rohn-DD58	41 53	-4 799	-4 799	0 782	6 749	6 260	3 566	-0 724	
Rohn-DD59	52 57	-8 543	6 951	6 139	0 025	-7 047	-8 543	-0 730	
Rohn-DD60	47 83	-2 954	-7 773	-4 551	-7 773	-0 667	-2 954	-0 725	
Rohn-DD61	36 71	-4 800	-4 800	5 866	5 965	-1 176	-4 800	-0 728	
Rohn-DD62	52 69	-2 950	-2 950	1 965	-2 950	-7 546	-4 556	-0 728	
Rohn-DD63	52 51	-8 533	-8 533	-7 425	-0 791	6 955	-8 533	-0 723	
Rohn-DD64	41 69	-3 882	-3 882	-0 155	6 774	4 012	0 122	-0 122	

Rohn-D7	6.866	-6.816	6.866	6.162	1.119	-5.174	-6.816	0.117
Rohn-D8	3.327	-2.462	-2.462	-5.286	-6.462	-0.051	3.327	0.120
Rohn-D9	6.022	-3.492	4.114	5.901	6.022	-0.540	-3.492	0.118
Rohn-D10	3.324	-7.202	3.324	-7.202	-7.202	-5.655	-7.202	0.118
Rohn-D11	6.878	-6.817	-6.817	-5.546	5.601	6.878	0.123	0.123
Rohn-D12	2.262	-7.174	-7.174	-4.145	1.998	2.262	-3.458	0.123
Rohn-D13	6.245	-9.434	-9.434	-2.158	-7.197	-9.434	-3.462	0.123
Rohn-D14	0.000	-9.195	-5.855	-6.853	-9.195	-4.057	-1.219	-3.459
Rohn-D15	1.920	-7.175	0.392	1.910	1.224	-4.439	-7.175	-3.461
Rohn-D16	0.000	-9.687	-1.414	-4.400	-9.687	-6.405	-5.866	-3.461
Rohn-D17	2.466	-9.437	-9.437	-6.301	-2.868	1.825	-3.461	-3.458
Rohn-D18	8.975	0.000	1.481	4.998	8.975	8.251	6.499	3.874
Rohn-D19	8.768	-1.291	6.766	6.158	4.361	-0.203	-1.291	3.871
Rohn-D20	6.558	-0.741	1.391	-0.391	-0.741	4.132	6.558	3.873
Rohn-D21	8.310	0.000	6.497	7.919	8.310	3.764	1.279	3.872
Rohn-D22	6.554	-1.409	6.554	3.854	-1.409	-0.623	1.390	3.872
Rohn-D23	8.768	-1.285	-1.285	-0.529	3.704	7.826	8.768	3.875
Rohn-D24	0.000	-1.858	-0.580	-1.166	-1.323	-0.766	-0.685	-0.685
Rohn-D25	1.085	-2.212	-2.212	-1.571	0.217	1.085	0.870	-0.691
Rohn-D26	0.647	-1.969	0.541	0.447	-0.073	-1.417	-1.869	-0.685
Rohn-D27	0.000	-5.909	-0.866	-3.379	-5.909	-3.399	-1.004	-0.960
Rohn-D28	5.88	-5.307	-5.307	-3.492	1.434	3.730	3.102	-1.137
Rohn-D29	3.710	-5.041	3.143	3.110	1.453	-3.304	-5.041	-0.975
Rohn-D30	0.000	-10.214	-1.768	-5.414	-10.214	-6.658	-1.415	-1.426
Rohn-D31	6.865	-8.668	-8.668	-5.151	2.564	5.902	-1.431	-1.431
Rohn-D32	7.058	-8.532	6.054	3.129	3.129	-3.394	-6.532	-1.270
Rohn-D33	0.000	-14.031	-1.577	-7.115	-14.031	-7.620	-1.690	-1.669
Rohn-D34	10.562	-12.527	-12.527	-7.918	4.664	10.562	9.036	-1.795
Rohn-D35	10.490	-12.053	9.037	10.490	4.727	-7.588	-12.053	-1.542
Rohn-D36	0.000	-19.963	-2.412	-10.791	-19.963	-10.775	-2.383	-2.436
Rohn-D37	14.312	-17.105	-17.105	-10.813	6.341	14.312	12.236	-2.485
Rohn-D38	14.612	-16.846	12.529	14.612	6.677	-10.517	-16.846	-2.204
Rohn-D39	0.000	-24.622	-2.650	-13.063	-24.622	-13.066	-2.638	-2.694
Rohn-D40	18.169	-21.017	-21.017	-13.145	8.293	18.169	15.632	-2.750
Rohn-D41	18.431	-20.772	15.893	18.431	8.596	-12.870	-20.772	-2.484
Rohn-D42	0.000	-32.126	-3.861	-17.216	-32.126	-17.237	-3.865	-3.930
Rohn-D43	22.849	-27.372	-27.372	-17.266	10.243	22.849	9.666	-3.966
Rohn-D44	23.080	-27.137	19.841	23.080	10.522	-17.006	-27.137	-3.719
Rohn-D45	0.000	-40.589	-4.136	-21.361	-40.589	-21.367	-4.121	-4.191
Rohn-D46	30.286	-34.832	-34.832	-21.489	14.019	30.286	26.099	-4.303
Rohn-D47	30.580	-34.230	26.930	30.580	14.377	-21.154	-34.230	-3.994
Rohn-D48	0.000	-48.631	-5.104	-26.152	-48.631	-26.154	-5.080	-5.177
Rohn-D49	37.053	-42.055	-42.055	-26.085	17.322	37.053	31.966	-5.122
Rohn-D50	37.200	-41.940	32.128	-41.940	17.532	-25.925	-41.940	-4.985
Rohn-D51	0.000	-63.001	-6.295	-32.928	-63.001	-32.929	-6.277	-6.352
Rohn-D52	47.227	-53.161	-53.161	-32.913	22.186	47.227	40.811	-6.298
Rohn-D53	47.331	-53.037	40.822	47.331	22.363	-32.759	-53.037	-6.171
Rohn-D54	0.000	-74.679	-6.535	-38.527	-74.679	-38.546	-6.520	-6.609
Rohn-D55	57.596	-62.776	-62.776	-38.473	27.629	57.596	49.919	-6.548
Rohn-D56	57.713	-62.686	50.033	57.713	27.820	-38.336	-62.686	-6.439
Rohn-D57	0.000	-87.818	-8.070	-45.431	-87.818	-45.471	-8.077	-8.166
Rohn-D58	66.851	-73.824	-73.824	-45.391	31.921	66.851	57.917	-8.085
Rohn-D59	66.858	-73.732	57.971	66.858	32.057	-45.270	-73.732	-8.005
Rohn-D60	0.000	-101.451	-8.759	-52.111	-101.451	-52.167	-8.779	-8.851
Rohn-D61	77.973	-85.321	-85.321	-52.300	37.439	77.973	67.533	-8.989
Rohn-D62	78.219	-85.015	67.891	78.219	37.839	-51.968	-85.015	-8.700
Rohn-D63	0.000	-112.724	-8.692	-57.420	-112.724	-57.453	-8.690	-8.985
Rohn-D64	87.839	-94.539	-94.539	-57.422	42.798	87.839	76.319	-9.293
Rohn-D65	88.184	-94.428	76.644	88.184	42.143	-57.287	-94.428	-9.293
Rohn-D66	0.000	-123.924	-9.349	-63.050	-123.924	-63.082	-9.346	-10.034
Rohn-D67	96.196	-103.762	-103.762	-63.224	46.994	96.196	83.582	-10.188
Rohn-D68	96.462	-103.895	-103.895	-63.224	46.982	47.277	-62.906	-103.485
Rohn-D69	0.000	-134.834	-10.711	-68.473	-134.834	-68.505	-10.706	-10.772
Rohn-D70	59.33	-112.767	-112.767	-68.625	51.337	104.858	91.247	-10.901
Rohn-D71	105.112	-112.619	91.590	105.112	51.671	-68.336	-112.619	-10.646
Rohn-D72	0.000	-145.414	-11.083	-73.415	-145.414	-73.466	-11.103	-11.184
Rohn-D73	113.485	-121.356	-121.356	-73.641	55.914	113.485	98.866	-11.367
Rohn-D74	0.000	-161.615	-12.442	-81.533	-161.615	-81.576	-12.454	-12.461
Rohn-D75	125.855	-134.698	-134.698	-81.781	62.072	125.855	109.685	-12.672
Rohn-D76	126.164	-134.373	110.000	126.164	62.454	-81.427	-134.373	-12.349
Rohn-D77	0.000	-179.392	-13.225	-89.977	-179.392	-89.999	-13.215	-13.262

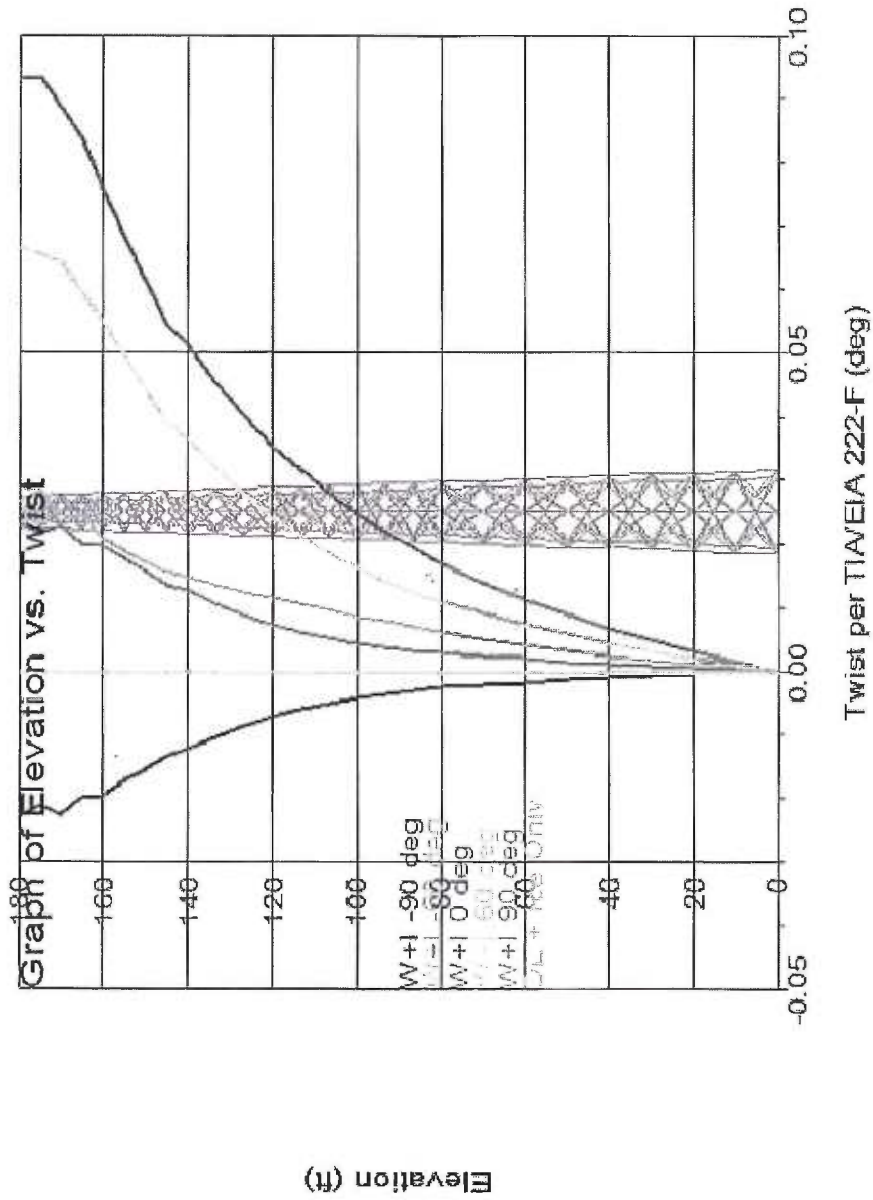
Rohn-L6	140.298	-145.068	-149.068	-90.175	69.763	140.288	122.453	-13.453
Rohn-L7	140.602	-146.784	122.753	140.602	70.132	-89.852	-148.784	-13.158
Rohn-L8	0.000	-197.428	-18.879	-98.913	-197.228	-98.940	-14.680	-14.681
Rohn-L9	153.307	-163.654	-163.654	-99.085	76.265	153.307	133.851	-15.049
Rohn-L10	153.579	-163.384	134.124	153.579	76.595	-98.786	-163.384	-14.775
Rohn-L11	0.000	-212.979	-15.853	-106.505	-212.979	-106.526	-15.852	-15.865
Rohn-L12	165.526	-176.423	-176.423	-106.671	82.683	165.526	144.674	-16.013
Rohn-L13	165.826	-176.169	174.934	165.826	82.893	-106.391	-176.169	-15.755
Rohn-L14	0.000	-228.501	-17.443	-114.150	-228.501	-114.171	-17.165	-17.165
Rohn-L15	177.006	-188.037	-189.037	-114.304	88.327	177.006	154.739	-17.285
Rohn-L16	177.250	-188.793	154.983	177.250	88.813	-114.040	-188.793	-17.040
Rohn-L17	0.000	-243.774	-18.922	-121.951	-243.774	-121.964	-18.919	-18.898
Rohn-L18	187.326	-201.846	-201.846	-122.097	93.528	187.326	163.785	-19.033
Rohn-L19	187.566	-201.315	163.994	187.566	93.803	-121.846	-201.315	-18.797
Rohn-L20	0.000	-253.854	-17.401	-125.565	-253.854	-125.576	-17.398	-17.420
Rohn-L21	198.970	-209.220	-209.220	-125.705	100.779	198.970	174.328	-17.549
Rohn-L22	61.80	-209.016	174.540	199.183	101.021	-125.484	-209.016	-17.341
Rohn-L23	0.000	-271.757	-25.279	-137.923	-271.757	-137.938	-25.283	-25.210
Rohn-L24	200.289	-225.056	-225.056	-136.058	98.033	200.289	174.666	-25.335
Rohn-L25	200.490	-224.853	174.849	200.490	98.259	-137.844	-224.853	-25.133
Rohn-L26	0.804	-0.885	-0.885	-0.839	-0.196	0.613	0.804	-0.040
Rohn-L27	0.550	-0.321	-0.321	0.221	0.109	0.550	0.421	-0.151
Rohn-L28	0.962	-1.121	-1.121	0.614	-0.984	-1.121	-1.027	-0.030
Rohn-L29	0.448	-0.514	-0.514	-0.463	-0.370	0.448	-0.027	-0.027
Rohn-L30	0.477	-0.475	-0.475	0.221	0.140	0.477	0.358	-0.057
Rohn-L31	0.349	-0.161	0.349	0.349	0.333	0.140	-0.160	-0.350
Rohn-L32	0.877	-0.778	0.877	0.761	0.060	-0.665	0.012	-0.161
Rohn-L33	0.664	-0.865	-0.865	-0.619	-0.865	-0.629	0.272	0.684
Rohn-L34	0.712	0.000	0.000	0.076	0.394	0.712	0.361	0.023
Rohn-L35	0.440	-0.898	-0.898	-0.427	-0.822	-0.898	-0.545	0.047
Rohn-L36	1.303	-0.777	-0.777	0.226	0.140	1.303	0.886	0.022
Rohn-L37	1.403	-0.854	-0.854	-0.196	-0.196	-0.196	-0.196	0.136
Rohn-L38	0.441	-1.377	-1.377	1.441	1.198	-0.031	-1.220	-1.377
Rohn-L39	0.465	-0.878	-0.878	-0.443	-0.810	-0.878	-0.465	0.011
Rohn-L40	1.109	-0.715	0.772	1.109	0.954	-0.161	-0.715	0.031
Rohn-L41	0.782	-1.091	-1.091	0.782	0.214	-0.933	-1.091	-0.740
Rohn-L42	1.428	-1.410	-1.410	-1.134	0.188	1.428	1.311	0.027
Rohn-L43	1.886	-0.654	-0.654	1.886	1.896	-1.158	-0.727	0.037
Rohn-L44	1.396	-1.396	-1.396	1.664	1.664	-1.158	-1.396	0.050
Rohn-L45	1.835	-1.526	-1.526	-1.407	-1.526	-0.026	0.833	-0.031
Rohn-L46	1.835	-0.846	0.940	1.835	1.835	0.146	-0.846	0.047
Rohn-L47	0.748	-1.286	0.748	0.012	-1.286	-1.193	-0.555	0.042
Rohn-L48	1.675	-1.618	-1.618	-1.485	-0.166	1.337	1.675	0.029
Rohn-L49	1.486	-0.910	-0.910	-0.109	1.446	1.486	0.960	0.022
Rohn-L50	2.462	-2.412	-2.412	2.153	0.131	-2.019	-2.412	0.029
Rohn-L51	1.167	-1.965	-1.965	-1.131	-1.865	-1.861	0.117	0.017
Rohn-L52	1.662	-0.874	0.943	1.570	1.662	0.035	-0.874	0.032
Rohn-L53	1.355	-2.192	-2.192	1.355	1.355	-2.180	-2.180	0.032
Rohn-L54	1.898	-1.876	-1.876	-1.503	0.232	1.726	1.898	0.014
Rohn-L55	2.195	-0.779	-0.779	0.357	2.195	1.757	0.894	0.052
Rohn-L56	2.211	-2.124	2.211	1.792	-0.115	-1.865	-2.124	0.056
Rohn-L57	1.391	-1.987	-1.987	-1.987	-1.877	0.309	1.391	0.049
Rohn-L58	2.219	-0.784	0.912	1.776	2.219	0.370	-0.784	0.058
Rohn-L59	1.364	-1.959	-1.959	1.364	0.278	-1.864	-1.959	0.051
Rohn-L60	2.187	-2.115	-2.115	-1.698	-0.155	1.760	2.187	0.049
Rohn-L61	1.655	-1.655	-1.655	0.641	2.177	2.592	1.593	0.036
Rohn-L62	-2.394	3.061	3.061	2.602	0.027	-2.358	2.592	0.031
Rohn-L63	-2.677	-1.514	-1.514	-2.584	2.677	0.071	1.536	0.026
Rohn-L64	-1.463	1.525	1.525	1.584	2.761	0.041	-1.463	0.032
Rohn-L65	1.561	-2.680	-2.680	0.065	-2.680	-2.549	-1.535	0.027
Rohn-L66	3.061	-2.999	-2.999	-2.999	0.021	-2.503	3.061	0.028
Rohn-L67	2.707	-1.635	-1.635	-0.171	2.643	2.707	1.746	0.061
Rohn-L68	2.995	-2.877	-2.877	2.995	2.677	0.338	-2.877	0.060
Rohn-L69	1.308	-2.749	-2.749	-1.188	-2.218	-2.749	-1.188	0.060
Rohn-L70	2.716	-1.651	1.764	2.716	2.640	-0.162	-1.651	0.062
Rohn-L71	1.296	-2.745	-2.745	-0.199	-2.745	-2.306	-1.180	0.058
Rohn-L72	3.004	-2.883	-2.883	-2.883	0.310	2.677	3.004	0.061
Rohn-L73	2.418	-1.331	-1.331	0.018	2.418	2.418	1.554	0.038
Rohn-L74	2.795	-2.651	-2.651	2.795	2.471	0.270	-2.651	0.091
Rohn-L75	2.377	-1.173	-1.173	-2.166	2.377	0.041	-1.173	0.096
Rohn-L76	-1.300	1.521	1.521	2.388	2.418	0.016	-1.300	0.096

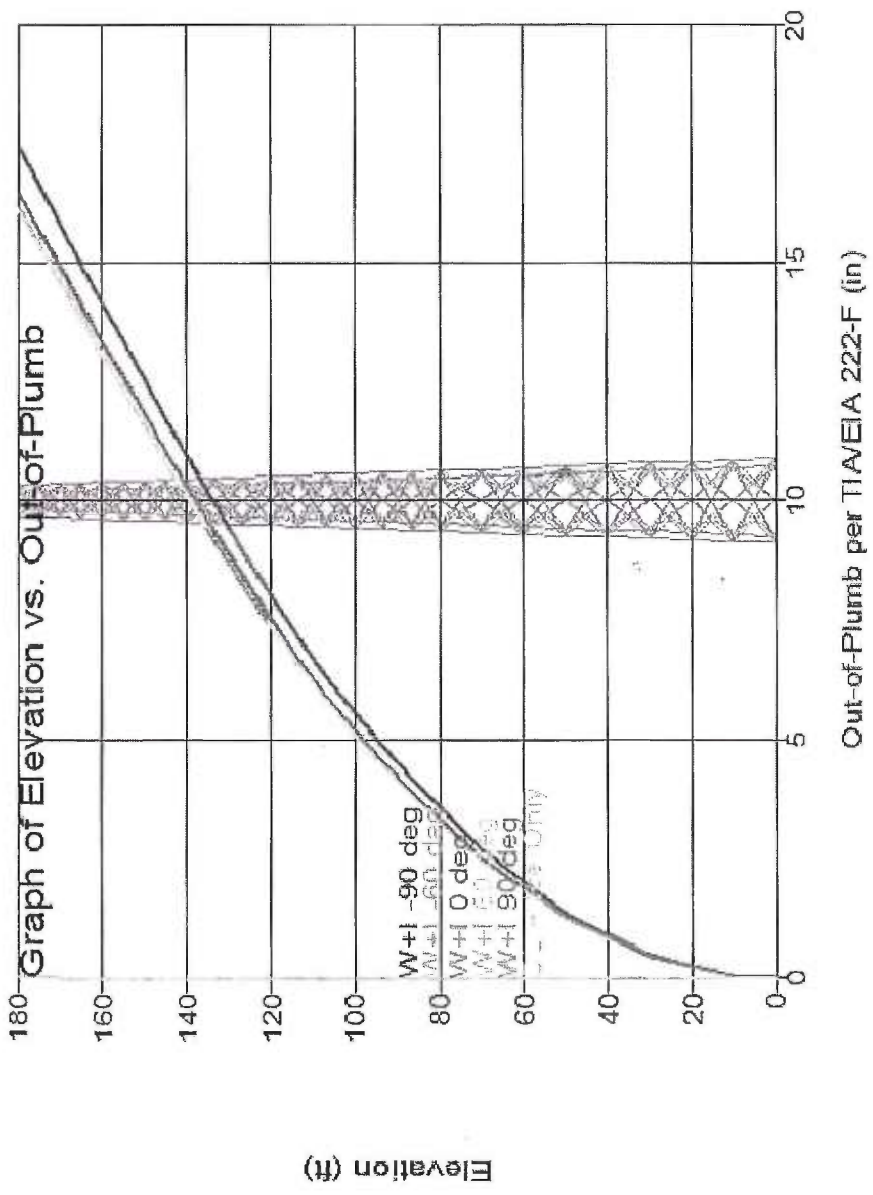
SNB-D2	1.380	-2.438	1.380	0.073	-2.438	-2.438	-1.196	0.091
SNB-DB2	2.761	-2.603	-2.603	-2.132	-2.603	2.459	2.761	0.097
SNB-DC1P	4.214	-2.916	-2.916	-0.662	3.869	4.214	2.820	-0.044
SNB-DB3	4.685	-4.569	4.569	4.228	0.674	-3.656	4.685	0.043
SNB-DC11	1.736	-1.607	-1.607	-3.892	-4.638	-0.672	-1.736	-0.040
SNB-DB4	4.231	-2.931	-2.931	2.840	4.231	3.868	-0.670	-0.041
SNB-DC2P	1.706	-4.645	4.645	-0.705	-4.645	-3.671	-1.788	-0.046
SNB-DB5	4.594	-4.674	-4.674	-3.861	0.643	4.206	4.584	-0.039
SNB-DC3P	5.955	-1.788	-1.788	1.207	5.955	4.629	2.258	0.233
SNB-DB6	5.952	-5.542	5.542	4.624	-0.746	-5.156	-5.542	0.231
SNB-DC31	3.952	-3.153	-3.153	-5.153	-4.499	1.226	3.952	0.230
SNB-DB7	1.785	-2.247	-2.247	4.597	5.936	1.210	-1.785	0.227
SNB-DC4P	3.960	-5.157	5.157	2.118	-4.613	-5.157	-3.494	0.234
SNB-DB8	5.941	-5.529	-5.529	-5.148	0.755	5.613	5.941	0.232
SNB-DC41	3.827	-3.827	-3.827	-0.890	5.025	5.589	3.816	-0.002
SNB-DB9	6.028	-5.986	5.986	6.028	5.576	-4.691	-6.047	0.009
SNB-DC51	2.233	-2.215	-2.215	-4.687	-0.990	-0.890	-2.233	0.006
SNB-DB10	5.575	-3.817	-3.817	3.814	5.575	5.007	-0.890	0.002
SNB-DC6P	2.244	-5.995	5.995	2.244	-0.876	-4.696	-2.220	0.008
SNB-DB11	6.032	-6.063	6.063	-4.711	0.974	5.579	6.032	0.003
SNB-DC7P	-8.324	-8.927	8.927	-1.389	5.256	6.228	4.456	-0.037
SNB-DB12	6.578	-6.648	6.648	6.578	6.882	1.484	-6.648	-0.016
SNB-DC8P	2.071	-6.820	6.820	-4.975	-6.820	-1.378	-2.071	-0.023
SNB-DB13	6.266	-4.540	-4.540	4.894	6.266	5.273	-1.384	-0.055
SNB-DC9P	2.067	-6.836	6.836	2.067	-1.393	-4.966	-2.119	-0.016
SNB-DB14	6.530	-6.635	6.635	-4.967	1.432	6.222	6.530	-0.034
SNB-DC10P	7.319	-2.028	-2.028	1.617	7.319	5.536	2.659	0.310
SNB-DB15	7.222	-6.689	6.689	7.222	5.554	-1.008	-6.266	0.325
SNB-DC11P	4.910	-6.250	6.250	-5.388	1.628	4.910	0.317	0.315
SNB-DB16	7.300	-6.202	-6.202	2.664	5.528	7.300	1.615	-0.022
SNB-DC12P	4.945	-6.271	6.271	4.945	1.644	-5.403	-6.271	0.328
SNB-DB17	4.187	-6.685	6.685	-6.685	-6.265	4.187	7.187	0.309
SNB-DC13P	36.98	-4.707	-4.707	-1.186	6.023	6.703	4.651	-0.021
SNB-DB18	7.197	-7.298	7.298	7.197	6.701	-1.299	-5.569	-0.019
SNB-DC14P	2.585	-7.359	7.359	-2.573	-5.581	-1.180	-2.585	-0.009
SNB-DB19	6.689	-4.701	-4.701	4.655	6.689	6.003	-1.189	-0.011
SNB-DC15P	7.201	-7.357	7.357	-1.175	-7.357	-5.582	-2.573	-0.007
SNB-DB20	4.828	-7.327	7.327	-5.602	1.282	6.693	7.201	0.018
SNB-DC16P	2.591	-6.295	6.295	-1.912	7.468	8.758	6.286	-0.021
SNB-DB21	9.206	-6.295	-6.295	6.744	1.995	-6.886	-9.229	-0.006
SNB-DC17P	2.923	-9.502	9.502	-6.905	-9.502	-1.891	-2.923	-0.010
SNB-DB22	4.3.99	-6.279	-6.279	8.733	7.454	-1.907	-6.279	-0.011
SNB-DC18P	4.0.43	-9.523	9.523	-1.904	-9.523	-6.908	-2.997	-0.008
SNB-DB23	4.9.195	-8.243	-8.243	6.918	1.968	8.727	9.195	-0.019
SNB-DC19P	8.709	-2.786	-2.786	2.786	1.563	8.709	6.842	0.384
SNB-DB24	8.678	-5.031	-5.031	8.678	6.846	-0.780	-7.276	0.392
SNB-DC20P	5.585	-7.287	7.287	-4.785	-7.287	-6.783	1.564	5.585
SNB-DB25	8.691	-2.791	-2.791	3.565	6.839	8.691	1.551	0.385
SNB-DC21P	5.593	-7.289	7.289	5.593	6.793	-7.289	-4.781	0.394
SNB-DB26	8.671	-8.042	8.042	-7.300	-0.814	6.830	8.671	0.384
SNB-DC22P	7.239	-5.249	-5.249	1.609	6.162	7.239	5.275	-0.005
SNB-DB27	22.82	-7.800	-7.800	7.255	1.828	-5.662	-7.690	0.001
SNB-DC23P	2.366	-8.006	8.006	-2.365	-8.006	-1.511	2.366	0.004
SNB-DB28	2.356	-5.283	5.283	5.302	7.256	6.154	-1.658	0.001
SNB-DC24P	2.363	-7.665	7.665	-1.621	-7.665	-5.977	-2.363	0.001
SNB-DB29	25.08	-8.026	-8.026	1.791	7.242	7.567	-0.002	-0.002
SNB-DC25P	24.02	-7.137	7.137	-0.388	8.443	7.552	4.727	0.255
SNB-DB30	8.493	-4.137	-4.137	7.680	0.373	-7.306	-8.766	0.258
SNB-DC26P	26.39	-8.766	8.766	8.954	7.295	-8.086	4.739	0.260
SNB-DB31	27.98	-9.086	-9.086	-4.123	-7.295	8.086	0.377	0.258
SNB-DC27P	25.27	-8.405	8.405	4.124	7.627	0.361	-4.124	0.258
SNB-DB32	26.27	-8.114	-8.114	4.756	0.377	-8.114	-7.323	0.257
SNB-DC28P	25.36	-8.772	8.772	-7.315	-8.114	-0.364	7.639	0.257
SNB-DB33	27.99	-4.235	-4.235	0.396	8.733	7.935	4.926	0.299
SNB-DC29P	28.97	-9.999	9.999	9.212	7.928	-0.453	-7.497	0.297
SNB-DB34	26.09	-8.349	-8.349	-4.246	-7.506	0.397	4.889	0.300
SNB-DC30P	27.20	-4.246	4.246	7.956	8.702	-4.246	-4.246	0.298
SNB-DB35	26.13	-8.884	8.884	0.387	-8.361	-7.509	-4.243	0.298
SNB-DC31P	29.01	-9.006	9.006	-7.518	0.421	7.923	9.284	0.300
SNB-DB36	30.84	-4.998	-4.998	0.319	9.869	8.772	5.315	0.127
SNB-DC32P	32.73	-10.491	10.491	10.387	8.762	-8.770	-10.491	0.123
SNB-DB37	30.43	-5.061	-5.061	-8.772	-9.738	0.319	5.474	0.128
SNB-DC33P	30.76	-4.998	4.998	5.353	8.758	-4.998	-4.998	0.126

SNB-D6	30.52	5.470	-9.768	5.470	0.303	-9.768	-8.789	-5.086	0.123
SNB-D621	32.77	10.372	-10.486	-8.775	-0.175	8.756	10.372	0.123	0.123
SNB-D622	32.77	10.372	-10.486	-8.775	-0.175	8.756	10.372	0.123	0.123
SNB-D623	32.74	10.476	-4.917	0.579	10.476	9.406	5.817	0.383	0.383
SNB-D624	34.52	11.045	-11.045	9.399	0.463	9.399	8.916	0.377	0.377
SNB-D625	30.85	5.898	-9.871	-9.819	-9.871	0.561	5.898	0.382	0.382
SNB-D626	32.64	10.445	-4.923	9.391	10.445	0.560	4.923	0.376	0.376
SNB-D627	30.92	5.895	-9.895	0.568	-9.895	9.930	5.039	0.319	0.319
SNB-D628	34.55	11.054	-10.656	-8.823	8.445	9.396	11.054	0.384	0.384
SNB-D629	29.21	9.345	-6.182	-6.182	-6.182	9.260	4.722	-0.764	-0.764
SNB-D630	37.01	9.882	-11.844	0.882	8.253	-9.986	-11.844	-0.710	-0.710
SNB-D631	34.81	4.717	-11.140	-6.106	-9.993	-11.140	-0.649	4.717	-0.763
SNB-D632	29.13	9.320	-6.185	4.727	8.249	9.320	6.185	-0.767	-0.767
SNB-D633	34.91	4.710	-11.171	4.710	-0.666	-11.171	-9.997	-6.109	-0.768
SNB-D634	36.98	9.887	-11.835	-11.835	-9.989	-0.602	8.246	-0.762	-0.762
SNB-D635	38.18	12.217	-4.136	-4.136	1.774	12.217	10.716	6.830	1.276
SNB-D636	39.38	12.600	-10.518	12.600	10.700	1.084	-8.755	1.269	1.269
SNB-D637	29.92	7.410	-9.573	-4.771	-8.750	-9.573	1.776	7.410	1.275
SNB-D638	38.08	12.185	-4.136	6.820	10.694	12.185	1.760	4.136	1.271
SNB-D639	30.01	7.410	-9.603	7.410	1.761	-9.603	-8.768	4.136	1.271
SNB-D640	39.40	12.609	-10.510	-10.510	-8.755	1.074	10.700	12.609	1.277
SNB-D641	50.74	2.913	-16.236	-16.236	-9.505	2.913	1.459	-2.992	-9.623
SNB-D642	72.28	3.548	-23.129	3.548	1.853	-9.616	-20.947	-23.129	-9.629
SNB-D643	69.67	0.000	-22.295	-16.336	-20.947	-22.295	-9.496	-2.867	-9.652
SNB-D644	60.76	2.885	-16.342	-2.892	1.849	2.885	-9.524	-16.282	-9.656
SNB-D645	69.77	0.000	-22.326	-22.326	-9.524	-22.326	-20.958	-16.335	-9.658
SNB-D646	72.26	3.558	-23.121	-23.121	-20.953	1.448	3.558	-9.620	-9.620
SNB-D647	67.37	21.559	0.000	1.729	8.816	21.559	19.840	15.252	8.438
SNB-D648	66.96	22.066	-5.669	22.066	19.829	8.431	-3.409	-5.669	8.431
SNB-D649	48.91	15.651	-4.742	1.419	-3.403	-4.742	8.820	15.651	8.437
SNB-D650	67.28	21.529	0.000	15.246	19.824	21.529	9.799	1.725	8.433
SNB-D651	48.90	15.648	-4.775	15.648	8.801	-4.775	3.418	1.415	8.433
SNB-D652	68.98	22.072	-5.657	-5.657	-3.407	8.822	19.825	22.072	8.440
SNB-D653	1.06	0.000	-1.059	-0.493	-0.827	-1.059	-0.544	-0.151	-0.323
SNB-D654	1.42	0.939	-1.419	-1.419	-0.237	0.326	0.939	0.756	-0.336
SNB-D655	0.98	0.618	-0.985	0.391	0.618	0.328	-0.580	-0.300	-0.300
SNB-D656	3.96	0.000	-3.968	-3.968	-2.326	-3.968	-2.128	-0.430	-0.558
SNB-D657	3.31	2.518	-3.321	-3.321	2.187	0.935	2.518	2.148	-0.496
SNB-D658	8.27	0.000	-8.236	2.685	1.172	-6.227	-3.222	-0.496	-0.496
SNB-D659	6.84	5.904	-6.857	-6.857	-4.460	-6.236	-4.401	-0.854	-0.854
SNB-D660	6.91	6.205	-6.823	5.327	6.205	2.550	5.904	-0.922	-0.922
SNB-D661	12.63	0.000	-12.653	-12.653	-6.726	-12.653	-6.823	-0.751	-0.751
SNB-D662	11.36	10.597	-11.379	-11.379	-6.882	4.955	10.597	9.112	-1.150
SNB-D663	10.78	10.372	-10.804	9.899	10.372	5.012	-6.528	-10.804	-0.963
SNB-D664	12.03	0.000	-18.937	-1.654	-9.904	-18.937	-9.965	-1.709	-1.687
SNB-D665	10.17	14.846	-16.228	-16.228	-10.014	6.813	14.846	12.600	-1.737
SNB-D666	16.08	0.000	-16.000	12.969	15.002	7.073	-9.817	-16.000	-1.527
SNB-D667	13.62	20.218	-21.427	-21.427	-13.021	-25.307	-13.048	-1.929	-1.941
SNB-D668	13.48	20.418	-21.427	17.694	20.418	9.916	12.837	-21.207	-1.767
SNB-D669	20.55	0.000	-32.345	-2.241	-16.498	-32.345	-16.505	-2.239	-2.265
SNB-D670	17.33	26.178	-27.270	-27.270	-16.504	12.744	26.178	22.709	-2.306
SNB-D671	17.19	26.595	-27.058	23.920	26.595	12.962	-16.594	-27.058	-2.083
SNB-D672	24.77	0.000	-28.974	-2.568	-19.782	-28.974	-19.814	-2.589	-2.589
SNB-D673	20.75	31.911	-22.894	-22.894	-19.856	15.820	31.911	27.720	-2.622
SNB-D674	20.75	32.079	-22.659	27.894	32.079	15.800	-19.643	-32.659	-2.406
SNB-D675	27.37	0.000	-47.890	-3.055	-24.206	-47.890	-24.236	-3.078	-3.088
SNB-D676	27.37	39.254	-40.283	-40.283	-24.253	39.254	34.134	-3.113	-3.113
SNB-D677	27.23	39.830	-40.075	34.313	39.830	19.520	-24.055	-40.075	-2.908
SNB-D678	42.59	0.000	-62.629	-3.818	-31.505	-62.629	-31.515	-3.816	-3.844
SNB-D679	35.72	51.570	-52.531	-52.531	-31.528	25.576	51.570	44.896	-3.870
SNB-D680	35.58	51.765	-52.329	45.086	51.765	25.780	-31.329	-52.329	-3.665
SNB-D681	51.30	0.000	-75.506	-3.888	-37.544	-75.506	-37.559	-3.898	-3.923
SNB-D682	42.90	63.402	-63.141	-63.141	-37.581	31.890	63.402	55.316	-3.960
SNB-D683	42.76	63.597	-62.942	55.513	63.597	32.090	-37.383	-62.942	-3.754
SNB-D684	62.77	0.000	-90.612	-4.663	-44.986	-90.612	-44.983	-4.651	-4.692
SNB-D685	52.46	75.974	-75.723	-75.723	-45.055	38.283	75.974	66.318	-4.755
SNB-D686	52.29	76.171	-75.480	68.513	76.171	38.504	-44.817	-75.480	-4.529
SNB-D687	75.14	0.000	-108.397	-5.517	-53.705	-108.397	-53.691	-5.493	-5.524
SNB-D688	62.71	99.887	-90.470	-90.470	-63.799	45.901	90.887	78.378	-5.622
SNB-D689	62.52	91.132	-90.200	79.616	91.132	46.166	-53.628	-90.200	-5.361
SNB-D690	84.78	0.000	-122.376	-5.521	-60.141	-122.376	-60.149	-5.523	-5.543

SNB-LD31	70.58	103.653	-101.885	-101.885	-60.267	52.812	103.653	90.665	-5.668
SNB-LD32	70.39	103.933	-101.613	90.943	103.933	53.100	-59.990	-101.613	-5.386
SNB-LD33	50.71	0.000	-140.404	-6.466	-68.933	-140.404	-68.933	-6.466	-6.521
SNB-LD34	42.17	118.300	-116.767	-116.767	60.342	118.300	103.519	-6.669	-6.367
SNB-LD35	42.06	118.593	-116.468	103.813	118.593	60.342	-62.792	-116.468	-6.367
SNB-LD36	56.27	0.000	-161.282	-7.495	-79.089	-161.282	-79.089	-7.495	-7.513
SNB-LD37	48.40	135.611	-133.953	-133.953	69.277	135.611	118.718	-7.683	-7.359
SNB-LD38	48.28	135.923	-133.623	135.923	69.598	135.923	-78.940	-133.623	-7.359
SNB-LD39	63.51	0.000	-175.844	-7.641	-85.792	-175.844	-85.792	-7.641	-7.820
SNB-LD40	63.43	148.579	-145.742	-145.742	85.868	148.579	130.212	-7.820	-7.492
SNB-LD41	52.51	148.591	-145.411	130.528	148.591	85.868	-85.631	-145.411	-7.492
SNB-LD42	71.46	0.000	-196.931	-9.366	-96.327	-196.931	-96.327	-9.366	-9.311
SNB-LD43	64.15	168.678	-163.088	-163.088	96.515	168.678	164.578	-163.088	-9.500
SNB-LD44	64.02	165.009	-162.759	184.629	165.009	84.736	-96.181	-162.759	-9.188
SNB-LD45	86.43	0.000	-219.747	-10.169	-107.080	-219.747	-107.080	-10.169	-10.125
SNB-LD46	71.43	183.760	-181.596	-181.596	107.282	183.760	163.175	-181.596	-10.317
SNB-LD47	71.30	184.087	-181.265	184.087	107.582	184.087	-106.851	-181.265	-9.985
SNB-LD48	75.18	0.000	-244.458	-11.601	-118.975	-244.458	-118.975	-11.601	-11.540
SNB-LD49	62.02	203.270	-201.654	-201.654	119.172	203.270	203.270	-201.654	-11.729
SNB-LD50	61.92	203.568	-201.331	178.708	203.568	105.129	-118.847	-201.331	-11.406
SNB-LD51	83.07	0.000	-270.114	-12.775	-131.142	-270.114	-131.142	-12.775	-12.896
SNB-LD52	68.40	224.060	-222.399	-222.399	131.329	224.060	224.060	-222.399	-12.896
SNB-LD53	68.30	224.389	-222.087	197.103	224.389	115.673	-131.014	-222.087	-12.584
SNB-LD54	90.64	0.000	-284.732	-13.232	-142.401	-284.732	-142.401	-13.232	-13.143
SNB-LD55	74.46	245.285	-241.807	-241.807	142.579	245.285	245.285	-241.807	-13.020
SNB-LD56	74.36	245.580	-241.486	245.580	142.878	245.580	-142.878	-241.486	-12.790
SNB-LD57	99.18	0.000	-322.483	-16.484	-156.590	-322.483	-156.590	-16.484	-16.358
SNB-LD58	81.46	263.906	-261.863	-261.863	156.761	263.906	263.906	-261.863	-16.273
SNB-LD59	81.37	264.189	-262.193	264.189	156.815	264.189	-156.815	-262.193	-16.273
SNB-LD60	79.95	0.000	-338.413	-6.363	-158.032	-338.413	-158.032	-6.363	-6.303
SNB-LD61	65.06	297.048	-295.408	-295.408	158.193	297.048	297.048	-295.408	-6.462
SNB-LD62	65.00	297.317	-295.137	262.577	297.317	159.896	-157.924	-295.137	-6.193
SNB-LD63	65.00	308.766	-306.911	-306.911	190.939	308.766	190.939	-306.911	-26.796
SNB-LD64	75.13	301.286	-318.015	-318.015	191.030	301.286	301.286	-318.015	-26.947
SNB-LD65	75.07	301.542	-317.757	264.441	301.542	153.866	-190.836	-317.757	-26.693
Connect A1	0.00	0.874	0.000	0.068	0.464	0.874	0.498	0.075	0.069
Connect A2	0.00	0.232	-0.061	0.232	0.207	0.133	-0.038	0.085	0.085
Connect A3	0.00	0.532	-0.481	-0.430	0.451	-0.093	0.390	0.532	0.049
Connect A4	0.00	0.825	-0.028	0.028	0.081	0.285	0.188	0.080	0.080
Connect A5	0.01	1.203	-1.130	1.203	0.917	-0.368	-1.130	-1.060	0.073
Connect A6	0.00	0.596	-0.446	-0.446	-0.375	0.105	0.266	-0.219	0.075
Connect A7	0.00	1.135	-0.219	0.380	0.846	1.135	0.562	0.172	0.081
Connect A8	0.00	0.172	-0.023	-0.010	-0.023	0.060	0.152	0.029	0.082
Connect A9	0.00	0.255	-0.433	0.091	-0.336	-0.433	-0.029	0.255	0.083
Connect A10	0.00	0.195	0.000	0.166	0.053	0.178	0.195	0.164	0.088
Connect A11	0.00	0.895	-0.861	0.995	0.713	-0.211	-0.861	-0.838	0.082
Connect A12	0.00	0.527	-0.356	-0.356	-0.281	0.146	0.501	0.527	0.087
Connect A13	0.00	0.430	0.000	0.213	0.230	0.224	0.096	0.021	0.125
Connect A14	0.00	0.771	-0.378	-0.378	-0.135	0.550	0.771	0.632	0.124
Connect A15	0.01	1.181	0.000	0.108	0.621	1.181	-0.085	-0.255	0.131
Connect A16	0.01	1.153	-1.052	1.153	0.755	-0.395	-1.052	-0.939	0.114
Connect A17	0.00	1.142	-1.030	-1.030	-0.358	0.776	1.142	0.119	0.119
Connect A18	0.00	0.358	0.000	0.131	0.075	0.002	0.069	0.104	0.131
Connect A19	0.00	0.558	-0.061	-0.061	0.005	0.259	0.333	0.330	0.130
Connect A20	0.00	0.329	-0.042	0.329	0.232	0.017	-0.042	0.135	0.135
Connect A21	0.00	0.670	-0.427	-0.427	-0.074	-0.427	-0.016	0.275	0.226
Connect A22	0.00	0.670	-0.196	-0.196	0.021	0.545	0.670	0.651	0.221
Connect A23	0.01	2.224	0.000	0.226	1.225	0.622	0.033	-0.237	0.227
Connect A24	0.01	1.742	-1.212	1.742	1.119	-0.478	-1.212	-1.029	0.344
Connect A25	0.01	1.829	-1.343	-1.343	-0.343	0.557	1.168	1.829	0.347
Connect A26	0.01	1.947	0.000	0.258	1.055	1.947	-1.104	-1.004	0.269
Connect A27	0.01	1.733	-1.407	1.733	1.125	-0.550	-1.407	-1.209	0.274
Connect A28	0.01	1.704	-1.376	-1.376	-0.376	0.538	1.121	1.704	0.271
Connect A29	0.00	0.889	0.000	0.295	0.601	0.889	0.612	0.300	0.306
Connect A30	0.00	0.809	-0.281	-0.281	-0.207	0.607	-0.281	-0.198	0.317
Connect A31	0.00	0.892	0.000	0.607	0.794	0.992	0.773	0.579	0.616
Connect A32	0.00	0.892	0.000	0.892	0.771	0.462	0.305	0.335	0.630
Connect A33	0.00	0.913	0.000	0.279	0.228	0.413	0.778	0.913	0.613
Connect A34	0.00	1.074	0.000	0.422	0.738	1.074	0.758	0.436	0.433

Connect	Connect Dd1	0.00	1.041	-0.290	1.041	0.784	0.080	-0.290	-0.198	0.432
Connect	Connect Dd2	0.00	0.974	-0.209	-0.127	-0.209	0.124	0.152	0.974	0.434
Connect	Connect Dd3	0.00	1.460	0.000	0.433	0.752	1.460	0.729	0.394	0.427
Connect	Connect Dd4	0.00	0.982	-0.209	0.982	0.734	0.061	-0.209	-0.147	0.424
Connect	Connect Dd5	0.00	0.981	-0.218	-0.140	-0.218	0.051	0.721	0.981	0.421
Connect	Connect E1	0.02	3.596	0.000	0.799	2.154	3.696	2.155	0.793	0.813
Connect	Connect E2	0.01	3.183	-1.961	3.183	2.155	0.669	-1.961	-1.637	0.814
Connect	Connect E3	0.00	3.174	-1.960	-1.631	-1.960	-0.660	2.157	3.174	0.811
Connect	Connect E4	0.00	0.579	-0.665	0.342	-0.048	-0.665	-0.048	0.534	0.579
Connect	Connect E5	0.01	1.808	-0.491	-0.491	-0.056	1.200	1.808	1.641	0.576
Connect	Connect E6	0.01	1.802	-0.481	1.642	1.802	1.193	-0.481	-0.582	0.582
Connect	Connect E7	0.01	0.633	-0.422	0.633	0.063	-0.643	0.634	0.599	0.573
Connect	Connect E8	0.01	1.584	-0.422	-0.422	0.043	1.167	1.584	1.475	0.567
Connect	Connect E9	0.01	1.590	-0.425	1.492	1.590	1.166	-0.425	-0.574	0.574
Connect	Connect E10	0.00	0.786	0.000	0.638	0.432	0.258	0.432	0.635	0.786
Connect	Connect E11	0.01	1.283	0.000	0.381	0.462	0.940	1.283	1.191	0.782
Connect	Connect E12	0.01	1.363	0.000	1.263	1.363	0.985	0.428	0.314	0.785
Connect	Connect E13	0.01	1.422	0.000	0.301	1.192	1.422	1.666	0.666	0.751
Connect	Connect E14	0.01	1.311	-0.137	0.311	-0.137	0.822	-0.137	0.023	0.756
Connect	Connect E15	0.01	1.334	0.000	0.525	1.336	2.693	1.411	0.539	0.778
Connect	Connect E16	0.01	2.693	-0.859	2.154	1.390	-0.241	-0.659	-0.357	0.775
Connect	Connect E17	0.01	2.152	-0.644	-0.555	-0.644	-0.223	1.395	2.152	0.779
Connect	Connect E18	0.01	1.696	0.000	0.926	1.696	1.698	1.350	0.923	0.740
Connect	Connect E19	0.01	1.579	-0.557	1.579	1.359	0.227	-0.557	-0.356	0.738
Connect	Connect E20	0.01	1.583	-0.560	-0.356	-0.560	0.225	1.362	1.583	0.741
Connect	Connect H1	0.01	1.354	0.000	1.050	1.026	1.193	1.026	1.049	1.354
Connect	Connect H2	0.01	1.778	0.000	1.126	1.024	1.302	1.779	1.645	1.355
Connect	Connect H3	0.01	2.362	0.000	1.045	1.778	1.304	1.027	1.129	1.355
Connect	Connect H4	0.01	2.123	-0.956	2.123	1.714	2.362	1.724	1.050	0.848
Connect	Connect H5	0.01	2.120	-0.955	-0.693	-0.956	0.056	-0.956	-0.700	0.847
Connect	Connect H6	0.04	8.115	0.000	4.860	6.229	8.115	6.226	4.857	5.136
Connect	Connect H7	0.03	7.409	0.000	7.409	6.227	3.505	2.709	2.857	5.134
Connect	Connect H8	0.03	7.431	0.000	2.867	2.865	3.985	6.241	7.431	5.136
Connect	Connect H9	0.00	0.785	-0.937	-0.849	-0.078	0.785	-0.937	-0.839	-0.937
Connect	Connect H10	0.01	0.462	-2.747	0.462	-0.079	-1.841	-2.747	-2.358	-0.936
Connect	Connect H11	0.01	0.458	-2.737	-2.510	-2.737	-1.841	0.077	0.458	-0.937
Connect	Connect H12	0.01	0.474	-0.301	-0.301	-0.071	0.393	0.474	0.324	0.011
Connect	Connect H13	0.27	0.318	-0.281	-0.281	-0.197	0.145	0.318	0.302	0.008
Connect	Connect H14	0.17	0.196	-0.157	0.162	-0.196	0.133	-0.061	-0.157	0.002
Connect	Connect H15	0.59	0.569	-0.642	-0.642	-0.451	0.223	0.669	0.633	0.004
Connect	Connect H16	0.41	0.490	-0.212	-0.212	0.034	0.490	0.449	0.252	0.006
Connect	Connect H17	0.56	0.605	-0.617	0.605	0.510	-0.028	-0.617	-0.617	0.004
Connect	Connect H18	0.73	0.868	-0.483	0.742	0.868	0.613	-0.483	-0.483	0.145
Connect	Connect H19	0.64	0.203	-0.678	0.112	-0.277	-0.678	-0.200	0.203	0.144
Connect	Connect H20	0.72	0.949	-0.499	-0.499	-0.193	0.455	0.949	0.746	0.141
Connect	Connect H21	1.56	1.850	-0.974	1.662	1.850	1.167	-0.974	-0.361	0.361
Connect	Connect H22	1.22	0.367	-1.255	0.328	-0.422	-1.255	-0.387	0.367	0.356
Connect	Connect H23	1.56	1.843	-0.992	-0.992	-0.415	1.843	1.664	1.664	0.352
Connect	Connect H24	1.20	3.406	-2.139	3.046	3.046	1.689	-1.042	-2.139	0.470
Connect	Connect H25	1.88	0.467	-2.664	0.429	-1.032	-2.664	-1.047	0.431	0.487
Connect	Connect H26	1.90	3.404	-2.143	-2.143	-1.044	1.969	3.404	3.057	0.464
Connect	Connect H27	1.90	0.848	-0.589	0.814	0.948	0.648	-0.162	-0.589	0.227
Connect	Connect H28	0.47	0.339	-0.791	0.339	-0.136	-0.791	0.167	0.302	0.224
Connect	Connect H29	0.51	0.339	-0.584	-0.584	-0.151	0.661	0.594	0.801	0.222
Connect	Connect H30	0.47	0.844	-0.584	-0.584	-0.106	0.173	-0.033	0.088	0.222
Connect	Connect H31	0.18	0.173	-0.264	-0.158	-0.264	-0.106	0.173	-0.033	0.088
Connect	Connect H32	0.15	0.869	-0.155	0.269	0.175	-0.155	0.166	0.258	0.088
Connect	Connect H33	0.17	0.174	-0.257	-0.037	0.174	0.115	-0.257	-0.154	0.088
Connect	Connect H34	0.80	1.424	0.000	0.362	0.476	0.644	1.424	1.359	1.082
Connect	Connect H35	0.80	1.425	0.000	1.297	1.423	1.304	1.425	1.298	1.082
Connect	Connect H36	0.80	1.425	0.000	1.358	1.425	1.045	0.176	0.363	1.082
Connect	Connect H37	5.70	10.198	0.000	9.935	9.823	10.198	10.177	9.918	10.130
Connect	Connect H38	5.77	10.324	0.000	10.312	10.172	9.748	10.324	10.182	10.130
Connect	Connect H39	5.70	10.193	0.000	9.914	10.172	10.193	9.824	9.939	10.131





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

Elevation (ft)	Twist (deg)	Out of Plumb (in)
0.00	0.00	0.00
10.00	-0.06	0.34
20.00	-0.00	0.07
30.00	-0.00	0.11
40.00	-0.00	0.18
50.00	-0.00	0.21
60.00	-0.00	0.28
70.00	-0.00	0.31
80.00	-0.00	0.36
86.66	-0.00	0.41
93.34	-0.00	0.45
100.00	-0.00	0.48

106.66	-0.01	0.52	5.91
113.34	-0.01	0.57	6.70
120.00	-0.01	0.60	7.55
126.66	-0.01	0.64	8.43
133.34	-0.01	0.67	9.37
140.00	-0.01	0.69	10.34
145.00	-0.01	0.69	11.05
150.00	-0.02	0.74	11.84
155.00	-0.02	0.71	12.57
160.00	-0.02	0.74	13.36
165.00	-0.02	0.74	14.12
170.00	-0.02	0.75	14.92
175.00	-0.02	0.74	15.69
180.00	-0.02	0.75	16.48

Twist and Out-of-Plumb for "W#1 -60 deg":

Elevation		Twist		Sway		Out of Plumb	
(ft)	(deg)	(deg)	(deg)	(ft)	(ft)	(deg)	(in)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.02				
20.00	0.00	0.07	0.23				
30.00	0.00	0.11	0.42				
40.00	0.00	0.18	0.63				
50.00	0.00	0.21	1.23				
60.00	0.00	0.27	1.84				
70.00	0.01	0.30	2.44				
80.00	0.01	0.37	3.25				
86.66	0.01	0.40	3.80				
93.34	0.01	0.44	4.42				
100.00	0.01	0.47	5.08				
106.66	0.01	0.51	5.78				
113.34	0.01	0.55	6.54				
120.00	0.01	0.59	7.38				
126.66	0.01	0.62	8.25				
133.34	0.01	0.66	9.18				
140.00	0.01	0.68	10.13				
145.00	0.02	0.68	10.82				
150.00	0.02	0.72	11.60				
155.00	0.02	0.70	12.31				
160.00	0.02	0.73	13.08				
165.00	0.02	0.73	13.84				
170.00	0.02	0.73	14.61				
175.00	0.03	0.73	15.38				
180.00	0.03	0.74	16.15				

Twist and Out-of-Plumb for "W#1 0 deg":

Elevation		Twist		Sway		Out of Plumb	
(ft)	(deg)	(deg)	(deg)	(ft)	(ft)	(deg)	(in)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.03				
20.00	0.00	0.08	0.25				
30.00	0.00	0.12	0.46				
40.00	0.01	0.19	0.91				
50.00	0.01	0.23	1.35				
60.00	0.01	0.30	2.01				
70.00	0.01	0.33	2.67				
80.00	0.02	0.40	3.55				
86.66	0.02	0.44	4.15				
93.34	0.02	0.48	4.82				
100.00	0.02	0.51	5.53				
106.66	0.03	0.55	6.29				
113.34	0.03	0.60	7.11				
120.00	0.04	0.64	8.03				
126.66	0.04	0.67	8.96				

133.34	0.05	0.71	9.96
140.00	0.05	0.73	10.98
145.00	0.05	0.73	11.73
150.00	0.06	0.78	12.56
155.00	0.07	0.76	13.34
160.00	0.08	0.78	14.16
165.00	0.08	0.78	14.98
170.00	0.09	0.78	15.80
175.00	0.09	0.78	16.62
180.00	0.09	0.78	17.46

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

Elevation	Twist	Sway	Out of Plumb
(ft)	(deg)	(deg)	(in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.02
20.00	0.00	0.07	0.23
30.00	0.00	0.11	0.42
40.00	0.00	0.16	0.83
50.00	0.01	0.21	1.23
60.00	0.01	0.27	1.84
70.00	0.01	0.30	2.84
80.00	0.01	0.37	3.25
93.34	0.01	0.44	4.41
100.00	0.02	0.47	5.07
106.66	0.02	0.51	5.77
113.34	0.02	0.55	6.55
120.00	0.02	0.59	7.38
126.66	0.03	0.62	8.24
133.34	0.03	0.66	9.16
140.00	0.04	0.67	10.11
145.00	0.04	0.67	10.80
150.00	0.04	0.72	11.58
155.00	0.05	0.70	12.30
160.00	0.06	0.73	13.06
165.00	0.06	0.72	13.81
170.00	0.06	0.74	14.59
175.00	0.07	0.73	15.35
180.00	0.07	0.74	16.13

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

Elevation	Twist	Sway	Out of Plumb
(ft)	(deg)	(deg)	(in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.03
20.00	0.00	0.07	0.23
30.00	0.00	0.11	0.43
40.00	0.00	0.16	0.85
50.00	0.00	0.21	1.26
60.00	0.00	0.26	1.86
70.00	0.00	0.31	2.50
80.00	0.00	0.36	3.32
86.66	0.00	0.41	3.88
93.34	0.00	0.45	4.51
100.00	0.00	0.48	5.19
106.66	0.01	0.52	5.90
113.34	0.01	0.56	6.69
120.00	0.01	0.60	7.54
126.66	0.01	0.63	8.42
133.34	0.01	0.67	9.36
140.00	0.01	0.69	10.33
145.00	0.01	0.69	11.03
150.00	0.02	0.74	11.82

155.00 0.02 0.71 12.55
 160.00 0.02 0.74 13.33
 165.00 0.02 0.73 14.10
 170.00 0.02 0.73 14.89
 175.00 0.02 0.74 15.66
 180.00 0.02 0.75 16.45

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

Elevation	Twist	Sway	Out of Plumb
(ft)	(deg)	(deg)	(in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.00
20.00	0.00	-0.01	0.00
30.00	0.00	0.00	0.00
40.00	0.00	-0.00	0.00
50.00	0.00	-0.00	0.00
60.00	0.00	0.00	0.00
70.00	0.00	-0.00	0.00
80.00	0.00	0.00	0.00
86.66	0.00	-0.00	0.00
93.34	0.00	-0.00	0.00
100.00	-0.00	-0.00	0.00
106.66	-0.00	-0.00	0.00
113.34	-0.00	-0.00	0.00
120.00	-0.00	0.00	0.01
126.66	-0.00	-0.00	0.01
133.34	-0.00	-0.00	0.01
140.00	-0.00	0.00	0.01
145.00	-0.00	-0.00	0.01
150.00	-0.00	0.00	0.01
155.00	-0.00	-0.00	0.01
160.00	-0.00	0.00	0.01
165.00	-0.00	-0.00	0.01
170.00	-0.00	0.00	0.01
175.00	-0.00	-0.00	0.02
180.00	-0.00	0.00	0.02

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	-0.008847	-1.375	-0.06763	0.0000	0.0000	0.0000	4.332	-1.375	179.9
RohNB	-0.001376	-1.115	-0.07788	0.0000	0.0000	0.0000	5.12	-1.115	159.9
RohNCP	-0.001846	-0.8631	-0.06784	0.0000	0.0000	0.0000	5.907	-0.8631	139.9
RohNDP	-0.002272	-0.6301	-0.05769	0.0000	0.0000	0.0000	6.693	-0.6301	119.9
RohNEP	-0.002675	-0.4332	-0.04744	0.0000	0.0000	0.0000	7.478	-0.4332	99.95
RohNFP	-0.003079	-0.2774	-0.03776	0.0000	0.0000	0.0000	8.265	-0.2774	79.96
RohNRP	-0.003463	-0.1574	-0.02828	0.0000	0.0000	0.0000	9.052	-0.1574	59.97
RohNRP	-0.003774	-0.07105	-0.01894	0.0000	0.0000	0.0000	9.837	-0.07105	39.98
RohNP	-0.003666	-0.01947	-0.009468	0.0000	0.0000	0.0000	10.62	-0.01947	19.99
RohNP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	-9.527e-005	-1.373	-0.08183	0.0000	0.0000	0.0000	2.333	-1.373	179.9
SNB-BP	-0.005871	-1.113	-0.07221	0.0000	0.0000	0.0000	3.12	-1.113	159.9
SNB-CP	-0.001068	-0.8611	-0.0626	0.0000	0.0000	0.0000	3.907	-0.8611	139.9
SNB-DP	-0.001467	-0.6296	-0.05306	0.0000	0.0000	0.0000	4.694	-0.6296	119.9
SNB-EP	-0.001891	-0.433	-0.04366	0.0000	0.0000	0.0000	5.479	-0.433	99.95
SNB-FP	-0.002297	-0.2773	-0.03479	0.0000	0.0000	0.0000	6.266	-0.2773	79.97
SNB-GP	-0.002682	-0.1566	-0.02599	0.0000	0.0000	0.0000	7.052	-0.1566	59.97
SNB-HP	-0.002993	-0.07062	-0.01735	0.0000	0.0000	0.0000	7.838	-0.07062	39.98
SNB-IP	-0.002885	-0.01872	-0.008654	0.0000	0.0000	0.0000	8.625	-0.01872	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohNA1	0.0003199	-1.371	-0.1359	0.0000	0.0000	0.0000	-2.166	-5.123	179.9
RohNA2	0.002891	-1.374	-0.03925	0.0000	0.0000	0.0000	-2.164	2.378	180
RohNB1	0.002404	-1.11	-0.1335	0.0000	0.0000	0.0000	-2.56	-5.545	159.9
RohNB2	0.002999	-1.114	-0.02201	0.0000	0.0000	0.0000	-2.558	3.321	160
RohNC1	0.0008383	-0.8583	-0.1277	0.0000	0.0000	0.0000	-2.954	-5.976	139.9
RohNC2	0.002381	-0.863	-0.007781	0.0000	0.0000	0.0000	-2.952	4.254	140
RohND1	0.0056938	-0.6266	-0.1176	0.0000	0.0000	0.0000	-3.347	-6.425	119.9
RohND2	0.003549	-0.6317	0.002394	0.0000	0.0000	0.0000	-3.345	5.166	120
RohNE1	0.003607	-0.43	-0.1011	0.0000	0.0000	0.0000	-3.74	-6.909	99.95
RohNE2	0.002397	-0.4355	-0.006284	0.0000	0.0000	0.0000	-3.738	6.043	100
RohNF1	0.001327	-0.2741	-0.08438	0.0000	0.0000	0.0000	-4.133	-7.434	79.92
RohNF2	0.00228	-0.2799	-0.009955	0.0000	0.0000	0.0000	-4.132	6.88	80.01
RohNG1	0.001875	-0.1535	-0.06573	0.0000	0.0000	0.0000	-4.526	-7.995	59.93
RohNG2	0.001956	-0.1597	-0.009955	0.0000	0.0000	0.0000	-4.526	7.682	60.01
RohNH1	0.001979	-0.06727	-0.04576	0.0000	0.0000	0.0000	-4.919	-8.59	39.95
RohNH2	0.002041	-0.07382	-0.007946	0.0000	0.0000	0.0000	-4.918	8.449	40.01
RohNI1	0.002116	-0.01571	-0.02254	0.0000	0.0000	0.0000	-5.313	-9.222	19.98
RohNI2	0.001697	-0.02198	0.003626	0.0000	0.0000	0.0000	-5.313	9.184	20
RohNJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohNJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	0.031267	-1.372	-0.1081	0.0000	0.0000	0.0000	-1.165	-3.393	179.9
SNB-A2	0.001271	-1.374	-0.05547	0.0000	0.0000	0.0000	-1.165	0.6483	179.9
SNB-B1	0.001244	-1.112	-0.1066	0.0000	0.0000	0.0000	-1.559	-3.814	159.9
SNB-B2	0.001229	-1.114	-0.03778	0.0000	0.0000	0.0000	-1.559	1.589	160
SNB-C1	0.001193	-0.8555	-0.1103	0.0000	0.0000	0.0000	-1.953	-4.244	139.9
SNB-C2	0.001251	-0.8627	-0.02208	0.0000	0.0000	0.0000	-1.953	2.522	140
SNB-D1	0.001179	-0.6279	-0.09999	0.0000	0.0000	0.0000	-2.346	-4.694	119.9
SNB-D2	0.001299	-0.6315	-0.01005	0.0000	0.0000	0.0000	-2.346	3.434	120
SNB-E1	0.001208	-0.4312	-0.08312	0.0000	0.0000	0.0000	-2.739	-5.178	99.92
SNB-E2	0.001337	-0.4352	-0.004132	0.0000	0.0000	0.0000	-2.739	4.312	100
SNB-F1	0.001337	-0.2795	-0.07149	0.0000	0.0000	0.0000	-3.133	-5.703	79.93
SNB-F2	0.001396	-0.2795	0.01988	0.0000	0.0000	0.0000	-3.133	5.149	80
SNB-G1	0.001456	-0.1542	-0.05632	0.0000	0.0000	0.0000	-3.526	-6.264	59.94
SNB-G2	0.001459	-0.1591	0.004389	0.0000	0.0000	0.0000	-3.526	5.951	60
SNB-H1	0.001565	-0.06794	-0.03982	0.0000	0.0000	0.0000	-3.919	-6.858	39.96
SNB-H2	0.001527	-0.07321	0.00517	0.0000	0.0000	0.0000	-3.919	6.717	40.01
SNB-I1	0.001456	-0.01623	-0.02002	0.0000	0.0000	0.0000	-4.313	-7.488	19.98
SNB-I2	0.001459	-0.02122	0.002734	0.0000	0.0000	0.0000	-4.313	7.451	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohNA5	-0.0006765	-1.308	-0.06521	0.0000	0.0000	0.0000	4.528	-1.308	174.9
RohNA6	-0.001137	-1.245	-0.06828	0.0000	0.0000	0.0000	4.726	-1.245	169.9
RohNA8	-0.001196	-1.179	-0.08332	0.0000	0.0000	0.0000	4.923	-1.179	164.9
RohNA9	-0.001424	-1.049	-0.07537	0.0000	0.0000	0.0000	5.317	-1.049	154.9

RohnBBS	-0.001633	-0.9883	-0.07282	0.0000	0.0000	0.0000	0.0000	5.513	-0.9883	149.9
RohnECS	-0.001637	-0.9219	-0.07034	0.0000	0.0000	0.0000	0.0000	5.71	-0.9219	144.9
RohnCAS	-0.001696	-0.7624	-0.06447	0.0000	0.0000	0.0000	0.0000	6.169	-0.7624	133.3
RohnCBS	-0.002023	-0.7035	-0.06105	0.0000	0.0000	0.0000	0.0000	6.421	-0.7035	126.6
RohnDBS	-0.002276	-0.5591	-0.05435	0.0000	0.0000	0.0000	0.0000	6.954	-0.5591	113.3
RohnHBS	-0.002399	-0.4920	-0.05051	0.0000	0.0000	0.0000	0.0000	7.217	-0.4920	106.6
RohnRAS	-0.00273	-0.377	-0.04421	0.0000	0.0000	0.0000	0.0000	7.74	-0.377	93.3
RohnRBS	-0.002836	-0.3245	-0.04097	0.0000	0.0000	0.0000	0.0000	8.003	-0.3245	86.62
RohnFAS	-0.002891	-0.2686	-0.03297	0.0000	0.0000	0.0000	0.0000	8.459	-0.2686	83.97
RohnGAS	-0.003205	-0.1956	-0.02358	0.0000	0.0000	0.0000	0.0000	9.445	-0.1956	49.98
RohnHAS	-0.003849	-0.03959	-0.01422	0.0000	0.0000	0.0000	0.0000	10.23	-0.03959	24.99
RohnIAS	-0.004239	-0.002339	-0.005036	0.0000	0.0000	0.0000	0.0000	11.02	-0.002339	9.995
RohnLAS	-0.004876	-1.308	-0.07943	0.0000	0.0000	0.0000	0.0000	2.53	-1.308	174.9
RohnMAS	-0.005348	-1.177	-0.07461	0.0000	0.0000	0.0000	0.0000	2.727	-1.177	164.9
RohnNAS	-0.006364	-1.048	-0.06979	0.0000	0.0000	0.0000	0.0000	3.317	-1.048	154.9
RohnOAS	-0.006843	-0.9853	-0.06474	0.0000	0.0000	0.0000	0.0000	3.514	-0.9853	149.9
RohnPAS	-0.007404	-0.922	-0.05939	0.0000	0.0000	0.0000	0.0000	3.71	-0.922	144.9
RohnQAS	-0.007804	-0.7026	-0.0562	0.0000	0.0000	0.0000	0.0000	4.169	-0.7026	133.3
RohnRAS	-0.008149	-0.558	-0.04989	0.0000	0.0000	0.0000	0.0000	4.352	-0.558	113.3
RohnSAS	-0.008491	-0.4918	-0.04673	0.0000	0.0000	0.0000	0.0000	4.521	-0.4918	106.6
RohnTAS	-0.008836	-0.3768	-0.03771	0.0000	0.0000	0.0000	0.0000	5.741	-0.3768	93.3
RohnUAS	-0.009177	-0.3244	-0.03469	0.0000	0.0000	0.0000	0.0000	6.004	-0.3244	86.62
RohnVAS	-0.009522	-0.208	-0.03034	0.0000	0.0000	0.0000	0.0000	6.659	-0.208	69.97
RohnWAS	-0.010536	-0.1557	-0.02454	0.0000	0.0000	0.0000	0.0000	7.445	-0.1557	49.98
RohnXAS	-0.011208	-0.1305	-0.01803	0.0000	0.0000	0.0000	0.0000	8.231	-0.1305	29.99
RohnYAS	-0.01173	-1.305	-0.04696	0.0000	0.0000	0.0000	0.0000	9.016	-1.305	174.9
RohnZAS	-0.002073	-1.309	-0.03467	0.0000	0.0000	0.0000	0.0000	-2.265	-1.309	174.9
RohnAA1	0.002478	-1.24	-0.1351	0.0000	0.0000	0.0000	0.0000	-2.363	-1.24	175
RohnAB1	0.002847	-1.244	-0.03206	0.0000	0.0000	0.0000	0.0000	-2.462	-1.244	170
RohnAC1	705e-005	-1.175	-0.1344	0.0000	0.0000	0.0000	0.0000	-2.462	-1.175	170
RohnAD1	0.003551	-1.178	-0.02603	0.0000	0.0000	0.0000	0.0000	-2.488	-1.178	165
RohnAE1	-0.0003679	-1.046	-0.1325	0.0000	0.0000	0.0000	0.0000	-2.659	-1.046	154.9
RohnAF1	0.003538	-1.05	-0.01809	0.0000	0.0000	0.0000	0.0000	-2.659	-1.05	155
RohnAG1	0.00108	-0.9925	-0.1312	0.0000	0.0000	0.0000	0.0000	-2.756	-0.9925	149.9
RohnAH1	0.002185	-0.987	-0.01857	0.0000	0.0000	0.0000	0.0000	-2.756	-0.987	150
RohnAI1	-0.006478	-0.9393	-0.1296	0.0000	0.0000	0.0000	0.0000	-2.856	-0.9393	144.9
RohnAJ1	0.003611	-0.9237	-0.01087	0.0000	0.0000	0.0000	0.0000	-2.856	-0.9237	145
RohnAK1	0.0004376	-0.7886	-0.125	0.0000	0.0000	0.0000	0.0000	-3.085	-0.7886	133.2
RohnAL1	0.002698	-0.7833	-0.00378	0.0000	0.0000	0.0000	0.0000	-3.214	-0.7833	126.5
RohnAM1	9.02e-008	-0.7008	-0.1216	0.0000	0.0000	0.0000	0.0000	-3.478	-0.7008	113.2
RohnAN1	0.0002947	-0.5567	-0.1128	0.0000	0.0000	0.0000	0.0000	-3.478	-0.5567	106.7
RohnAO1	0.0023947	-0.5567	-0.004433	0.0000	0.0000	0.0000	0.0000	-3.475	-0.5567	113.2
RohnAP1	0.002879	-0.4909	-0.1073	0.0000	0.0000	0.0000	0.0000	-3.609	-0.4909	106.6
RohnAQ1	0.0001354	-0.496	-0.005711	0.0000	0.0000	0.0000	0.0000	-3.607	-0.496	106.7
RohnAR1	0.003021	-0.3746	-0.09595	0.0000	0.0000	0.0000	0.0000	-3.871	-0.3746	93.24
RohnAS1	0.0005926	-0.3801	-0.007622	0.0000	0.0000	0.0000	0.0000	-3.862	-0.3801	83.24
RohnAT1	0.002755	-0.3225	-0.09037	0.0000	0.0000	0.0000	0.0000	-4.003	-0.3225	82.35
RohnAU1	0.0004523	-0.3281	-0.008513	0.0000	0.0000	0.0000	0.0000	-4.003	-0.3281	86.57
RohnAV1	0.002859	-0.3281	-0.008513	0.0000	0.0000	0.0000	0.0000	-4.003	-0.3281	86.57
RohnAW1	-0.001244	-0.2096	-0.07548	0.0000	0.0000	0.0000	0.0000	-4.332	-0.2096	86.67
RohnAX1	0.004304	-0.1512	-0.009576	0.0000	0.0000	0.0000	0.0000	-4.325	-0.1512	69.92
RohnAY1	-0.001005	-0.1063	-0.05609	0.0000	0.0000	0.0000	0.0000	-4.725	-0.1063	70.01
RohnAZ1	0.004265	-0.1023	-0.008958	0.0000	0.0000	0.0000	0.0000	-4.722	-0.1023	49.94
RohnBA1	-0.006857	-0.03675	-0.003675	0.0000	0.0000	0.0000	0.0000	-4.722	-0.03675	50.01
RohnBB1	0.00445	-0.003675	-0.003675	0.0000	0.0000	0.0000	0.0000	-5.119	-0.003675	50.01
RohnBC1	0.005078	-0.1109	0.001731	0.0000	0.0000	0.0000	0.0000	-5.113	-0.1109	29.97
RohnBD1	0.001079	-1.307	-0.0118	0.0000	0.0000	0.0000	0.0000	-5.512	-1.307	30.01
RohnBE1	0.001416	-1.241	-0.05088	0.0000	0.0000	0.0000	0.0000	-1.264	-1.241	9.988
RohnBF1	0.001327	-1.241	-0.04636	0.0000	0.0000	0.0000	0.0000	-1.264	-1.241	174.9
RohnBG1	0.001073	-1.176	-0.04636	0.0000	0.0000	0.0000	0.0000	-1.362	-1.176	169.9
RohnBH1	0.0009302	-1.176	-0.04199	0.0000	0.0000	0.0000	0.0000	-1.362	-1.176	170
RohnBI1	0.0008473	-1.048	-0.0336	0.0000	0.0000	0.0000	0.0000	-1.461	-1.048	164.9
RohnBJ1	0.001541	-1.05	-0.0336	0.0000	0.0000	0.0000	0.0000	-1.461	-1.05	165
RohnBK1	0.0013	-0.9837	-0.1051	0.0000	0.0000	0.0000	0.0000	-1.458	-0.9837	158.8
RohnBL1	0.001165	-0.9866	-0.02956	0.0000	0.0000	0.0000	0.0000	-1.756	-0.9866	149.9
RohnBM1	0.000854	-0.9211	-0.1023	0.0000	0.0000	0.0000	0.0000	-1.756	-0.9211	150
RohnBN1	0.001489	-0.9239	-0.02572	0.0000	0.0000	0.0000	0.0000	-1.854	-0.9239	144.9

Joint Support Reactions for Load Case "W1-90 deg":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Comp. Usage %	Uplift Usage %	Result. Force (kips)	Usage %	X-M. Moment (ft-k)	Y-M. Moment (ft-k)	Z-M. Moment (ft-k)	Max. Usage %
RohrJP	5.14	0.0	2.63	0.0	0.0	0.0	22.61	0.0	0.0	0.0	0.0	0.0
RohrJP	11.54	0.0	6.28	0.0	0.0	0.0	18.82	0.0	0.0	0.0	0.0	0.0
RohrJ1	3.50	0.0	8.64	0.0	0.0	0.0	225.87	0.0	0.0	0.0	0.0	0.0
RohrJ2	8.59	0.0	17.29	0.0	0.0	0.0	180.70	0.0	0.0	0.0	0.0	0.0
RohrJ2	5.07	0.0	15.24	0.0	0.0	0.0	321.24	0.0	0.0	0.0	0.0	0.0
RohrJ2	-16.67	0.0	34.96	0.0	0.0	0.0	-283.04	0.0	0.0	0.0	0.0	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "W1-90 deg":

Joint Label	X External Load (kips)	X External Usage %	Y External Load (kips)	Y External Usage %	Z External Load (kips)	Z External Usage %	Uplift Load (kips)	Uplift Usage %	Result. Force (kips)	Usage %	X-M. Moment (ft-k)	Y-M. Moment (ft-k)	Z-M. Moment (ft-k)	Max. Usage %
RohrAP	0.0000	0.0000	-1.8634	0.0000	0.0000	0.0000	1.8634	0.0000	0.7218	0.0000	-1.3754	-0.0876	0.0000	0.0000
RohrBP	0.0000	0.0000	-0.9631	0.0000	0.0000	0.0000	0.9631	0.0000	0.7697	0.0014	-1.1449	-0.0779	0.0000	0.0000
RohrCP	0.0000	0.0000	-1.1014	0.0000	0.0000	0.0000	1.1014	0.0000	1.0119	0.0018	-0.8631	-0.0678	0.0000	0.0000
RohrDP	0.0000	0.0000	-1.4280	0.0000	0.0000	0.0000	1.4280	0.0000	1.6550	0.0023	-0.6301	-0.0577	0.0000	0.0000
RohrEP	0.0000	0.0000	-0.8452	0.0000	0.0000	0.0000	0.8452	0.0000	0.9842	0.0027	-0.4332	-0.0474	0.0000	0.0000
RohrFP	0.0000	0.0000	-0.8193	0.0000	0.0000	0.0000	0.8193	0.0000	1.3216	0.0031	-0.2774	-0.0378	0.0000	0.0000
RohrGP	0.0000	0.0000	-1.6648	0.0000	0.0000	0.0000	1.6648	0.0000	1.6618	0.0035	-0.1574	-0.0283	0.0000	0.0000
RohrHP	0.0000	0.0000	-0.7570	0.0000	0.0000	0.0000	0.7570	0.0000	1.7804	0.0038	-0.0710	-0.0189	0.0000	0.0000
RohrJP	0.0000	0.0000	-0.7442	0.0000	0.0000	0.0000	0.7442	0.0000	1.8955	0.0037	-0.0495	-0.0095	0.0000	0.0000
RohrKP	0.0000	0.0000	-0.9840	0.0000	0.0000	0.0000	0.9840	0.0000	-21.6268	0.0003	0.0000	0.0000	0.0000	0.0000
RohrLP	0.0000	0.0000	-0.1755	0.0000	0.0000	0.0000	0.1755	0.0000	0.2594	0.0001	-1.3732	-0.0618	0.0000	0.0000
RohrMP	0.0000	0.0000	-0.3949	0.0000	0.0000	0.0000	0.3949	0.0000	0.5401	0.0005	-1.1429	-0.0722	0.0000	0.0000
RohrNP	0.0000	0.0000	-0.5327	0.0000	0.0000	0.0000	0.5327	0.0000	0.6569	0.0011	-0.8611	-0.0626	0.0000	0.0000
RohrOP	0.0000	0.0000	-0.6322	0.0000	0.0000	0.0000	0.6322	0.0000	0.8151	0.0015	-0.6296	-0.0531	0.0000	0.0000
RohrPP	0.0000	0.0000	-0.6452	0.0000	0.0000	0.0000	0.6452	0.0000	0.9442	0.0019	-0.4330	-0.0437	0.0000	0.0000
RohrQP	0.0000	0.0000	-0.7356	0.0000	0.0000	0.0000	0.7356	0.0000	1.3301	0.0023	-0.2773	-0.0348	0.0000	0.0000
RohrRP	0.0000	0.0000	-0.8218	0.0000	0.0000	0.0000	0.8218	0.0000	1.6418	0.0027	-0.1566	-0.0260	0.0000	0.0000
RohrSP	0.0000	0.0000	-0.7570	0.0000	0.0000	0.0000	0.7570	0.0000	1.7804	0.0030	-0.0706	-0.0173	0.0000	0.0000
RohrTP	0.0000	0.0000	-0.7442	0.0000	0.0000	0.0000	0.7442	0.0000	1.8955	0.0029	-0.0487	-0.0087	0.0000	0.0000
RohrUP	0.0000	0.0000	-0.3798	0.0000	0.0000	0.0000	0.3798	0.0000	-17.8366	0.0000	0.0000	0.0000	0.0000	0.0000
RohrVP	0.0000	0.0000	-1.5465	0.0000	0.0000	0.0000	1.5465	0.0000	0.7264	0.0003	-1.3706	-0.1359	0.0000	0.0000
RohrWP	0.0000	0.0000	-0.7043	0.0000	0.0000	0.0000	0.7043	0.0000	0.6992	0.0029	-1.3742	-0.0392	0.0000	0.0000
RohrXP	0.0000	0.0000	-0.4678	0.0000	0.0000	0.0000	0.4678	0.0000	0.7049	0.0002	-1.1099	-0.1335	0.0000	0.0000
RohrYP	0.0000	0.0000	-1.0172	0.0000	0.0000	0.0000	1.0172	0.0000	0.6351	0.0030	-1.1141	-0.0220	0.0000	0.0000
RohrZP	0.0000	0.0000	-1.0733	0.0000	0.0000	0.0000	1.0733	0.0000	1.0919	0.0008	-0.8563	-0.1277	0.0000	0.0000
RohrAP	0.0000	0.0000	-1.4280	0.0000	0.0000	0.0000	1.4280	0.0000	1.6550	0.0025	-0.6266	-0.1176	0.0000	0.0000
RohrBP	0.0000	0.0000	-0.6452	0.0000	0.0000	0.0000	0.6452	0.0000	0.9842	0.0010	-0.4300	-0.1011	0.0000	0.0000
RohrCP	0.0000	0.0000	-0.9842	0.0000	0.0000	0.0000	0.9842	0.0000	1.9842	0.0024	-0.4355	-0.0063	0.0000	0.0000
RohrDP	0.0000	0.0000	-1.4011	0.0000	0.0000	0.0000	1.4011	0.0000	1.4011	0.0013	-0.2741	-0.0844	0.0000	0.0000

RohrF2	0.0000	-0.8193	-1.3516	0.0000	0.8193	1.3516	0.0023	-0.2799	0.0090
RohrG1	0.0000	-0.8018	-1.6418	0.0000	0.8018	1.6418	0.0019	-0.1535	0.0657
RohrG2	0.0000	-0.8018	-1.6418	0.0000	0.8018	1.6418	0.0020	-0.1597	0.0093
RohrH1	0.0000	-0.7570	-1.7804	0.0000	0.7570	1.7804	0.0020	-0.0738	0.0458
RohrH2	0.0000	-0.7570	-1.7804	0.0000	0.7570	1.7804	0.0020	-0.0738	0.0079
RohrI1	0.0000	-0.7442	-1.8955	0.0000	0.7442	1.8955	0.0021	-0.0457	0.0225
RohrI2	0.0000	-0.7442	-1.8955	0.0000	0.7442	1.8955	0.0017	-0.0220	0.0036
RohrJ1	0.0000	-0.3798	-0.9840	-3.4989	-8.2577	-22.8626	0.0000	0.0000	0.0000
RohrJ2	0.0000	-0.3798	-0.9840	8.5913	-16.9081	18.1623	0.0000	0.0000	0.0000
SNB-A1	0.0000	-0.1755	-0.2594	-0.0000	0.1755	0.2594	0.0013	-1.3722	-0.1083
SNB-A2	0.0000	-0.1755	-0.2594	-0.0000	0.1755	0.2594	0.0013	-1.3742	-0.0555
SNB-B1	0.0000	-0.3949	-0.5401	-0.0000	0.3949	0.5401	0.0042	-1.1116	-0.1066
SNB-B2	0.0000	-0.3949	-0.5401	-0.0000	0.3949	0.5401	0.0042	-1.1141	-0.0378
SNB-C1	0.0000	-0.5327	-0.6689	-0.0000	0.5327	0.6689	0.0012	-0.8595	-0.1030
SNB-C2	0.0000	-0.5327	-0.6689	-0.0000	0.5327	0.6689	0.0013	-0.8627	-0.0221
SNB-D1	0.0000	-0.6322	-0.8151	-0.0000	0.6322	0.8151	0.0012	-0.6279	-0.0960
SNB-D2	0.0000	-0.6322	-0.8151	-0.0000	0.6322	0.8151	0.0013	-0.6215	-0.0101
SNB-E1	0.0000	-0.6452	-0.9842	-0.0000	0.6452	0.9842	0.0012	-0.4312	-0.0831
SNB-E2	0.0000	-0.6452	-0.9842	-0.0000	0.6452	0.9842	0.0014	-0.4352	-0.0041
SNB-F1	0.0000	-1.3301	-1.3301	-0.0000	0.7356	1.3301	0.0013	-0.2751	-0.0715
SNB-F2	0.0000	-1.3301	-1.3301	-0.0000	0.7356	1.3301	0.0014	-0.2795	0.0020
SNB-G1	0.0000	-0.8018	-1.6418	-0.0000	0.8018	1.6418	0.0015	-0.1542	-0.0563
SNB-G2	0.0000	-0.8018	-1.6418	-0.0000	0.8018	1.6418	0.0015	-0.1591	-0.0044
SNB-H1	0.0000	-0.7570	-1.7804	-0.0000	0.7570	1.7804	0.0016	-0.0679	-0.0398
SNB-H2	0.0000	-0.7570	-1.7804	-0.0000	0.7570	1.7804	0.0015	-0.0732	0.0052
SNB-I1	0.0000	-0.7442	-1.8955	-0.0000	0.7442	1.8955	0.0015	-0.0162	-0.0200
SNB-I2	0.0000	-0.7442	-1.8955	-0.0000	0.7442	1.8955	0.0015	-0.0212	0.0027
SNB-J1	0.0000	-0.3798	-0.9840	-5.0732	-14.8550	-31.9361	0.0000	0.0000	0.0000
SNB-J2	0.0000	-0.3798	-0.9840	16.6688	-34.5821	28.4195	0.0000	0.0000	0.0000
RohrAAS	0.0000	-0.2496	-0.2821	0.0000	0.2496	0.2821	-0.0010	-1.3092	-0.0852
RohrABS	0.0000	-0.2496	-0.2821	0.0000	0.2496	0.2821	-0.0011	-1.2450	-0.0828
RohrACS	0.0000	-0.1755	-0.2594	0.0000	0.1755	0.2594	-0.0012	-1.1786	-0.0803
RohrBAS	0.0000	-0.2194	-0.2807	-0.0000	0.2194	0.2807	-0.0014	-1.0493	-0.0754
RohrBBS	0.0000	-1.8781	-1.2557	-0.0000	0.8781	1.2557	-0.0016	-0.9883	-0.0729
RohrBBS	0.0000	-0.2194	-0.2807	-0.0000	0.2194	0.2807	-0.0016	-0.9219	-0.0703
RohrCAS	0.0000	-1.8248	-1.0382	-0.0000	0.8248	1.0382	-0.0019	-0.7824	-0.0645
RohrCAS	0.0000	-0.3134	-0.3882	-0.0000	0.3134	0.3882	-0.0020	-0.7035	-0.0610
RohrDAS	0.0000	-0.3188	-0.4270	-0.0000	0.3188	0.4270	-0.0023	-0.5591	-0.0542
RohrDAS	0.0000	-0.3188	-0.4270	-0.0000	0.3188	0.4270	-0.0024	-0.4829	-0.0506
RohrEAS	0.0000	-0.3264	-0.5573	0.0000	0.3264	0.5573	-0.0027	-0.3770	-0.0442
RohrEAS	0.0000	-0.3264	-0.5573	0.0000	0.3264	0.5573	-0.0026	-0.3245	-0.0410
RohrFAS	0.0000	-0.4092	-0.7725	-0.0000	0.4092	0.7725	-0.0029	-0.2686	-0.0330
RohrFAS	0.0000	-0.4092	-0.7725	-0.0000	0.4092	0.7725	-0.0029	-0.2686	-0.0330
RohrGAS	0.0000	-0.3526	-0.8689	0.0000	0.3526	0.8689	-0.0033	-0.1856	-0.0236
RohrHAS	0.0000	-0.3643	-0.9115	-0.0000	0.3643	0.9115	-0.0038	-0.0359	-0.0142
RohrIAS	0.0000	-0.3798	-0.9840	-0.0000	0.3798	0.9840	-0.0062	-0.0222	-0.0050
SNB-AAS	0.0000	-0.1755	-0.2594	0.0000	0.1755	0.2594	-0.0002	-1.3077	-0.0794
SNB-ABS	0.0000	-0.1755	-0.2594	0.0000	0.1755	0.2594	-0.0003	-1.2428	-0.0770
SNB-ACS	0.0000	-0.1755	-0.2594	-0.0000	0.1755	0.2594	-0.0004	-1.1770	-0.0746
SNB-BAS	0.0000	-0.2194	-0.2807	0.0000	0.2194	0.2807	-0.0005	-1.0482	-0.0698
SNB-BBS	0.0000	-0.2194	-0.2807	-0.0000	0.2194	0.2807	-0.0008	-0.9853	-0.0674
SNB-BBS	0.0000	-0.2194	-0.2807	-0.0000	0.2194	0.2807	-0.0008	-0.9220	-0.0650
SNB-CAS	0.0000	-0.3134	-0.3882	-0.0000	0.3134	0.3882	-0.0011	-0.7804	-0.0594
SNB-CAS	0.0000	-0.3134	-0.3882	-0.0000	0.3134	0.3882	-0.0012	-0.7026	-0.0562
SNB-DAS	0.0000	-0.3188	-0.4270	0.0000	0.3188	0.4270	-0.0015	-0.5890	-0.0499
SNB-DAS	0.0000	-0.3188	-0.4270	0.0000	0.3188	0.4270	-0.0016	-0.4918	-0.0467
SNB-EAS	0.0000	-0.3264	-0.5573	-0.0000	0.3264	0.5573	-0.0019	-0.3768	-0.0407
SNB-EAS	0.0000	-0.3264	-0.5573	-0.0000	0.3264	0.5573	-0.0021	-0.3244	-0.0377
SNB-FAS	0.0000	-0.4092	-0.7725	0.0000	0.4092	0.7725	-0.0021	-0.2680	-0.0303
SNB-FAS	0.0000	-0.4092	-0.7725	0.0000	0.4092	0.7725	-0.0021	-0.2680	-0.0303
SNB-GAS	0.0000	-0.3526	-0.8689	0.0000	0.3526	0.8689	-0.0025	-0.1855	-0.0216
SNB-HAS	0.0000	-0.3643	-0.9115	-0.0000	0.3643	0.9115	-0.0021	-0.0357	-0.0130
SNB-IAS	0.0000	-0.3798	-0.9840	0.0000	0.3798	0.9840	-0.0004	-0.0017	-0.0047
RohrAa1	0.0000	-1.2605	-0.4794	0.0000	1.2605	0.4794	0.0002	-1.3054	-0.1356
RohrAa2	0.0000	-0.2496	-0.2821	0.0000	0.2496	0.2821	0.0005	-1.3086	-0.0347
RohrAa1	0.0000	-0.2496	-0.2821	0.0000	0.2496	0.2821	0.0002	-1.2437	-0.0303
RohrAa2	0.0000	-0.2496	-0.2821	0.0000	0.2496	0.2821	0.0002	-1.2437	-0.0303
RohrAa1	0.0000	-0.1755	-0.2594	0.0000	0.1755	0.2594	0.0000	-1.1748	-0.1344
RohrAa2	0.0000	-0.1755	-0.2594	0.0000	0.1755	0.2594	0.0000	-1.1748	-0.1344
RohrBa1	0.0000	-0.2194	-0.2807	0.0000	0.2194	0.2807	0.0000	-1.0457	-0.1325
RohrBa2	0.0000	-0.2194	-0.2807	0.0000	0.2194	0.2807	0.0000	-1.0457	-0.1325
RohrBa1	0.0000	-1.8248	-1.2357	0.0000	1.8248	1.2357	0.0011	-0.9825	-0.1312
RohrBa2	0.0000	-1.8248	-1.2357	0.0000	1.8248	1.2357	0.0011	-0.9825	-0.1312
RohrBb1	0.0000	-0.8018	-1.6418	-0.0000	0.8018	1.6418	0.0005	-0.1593	-0.1296
RohrBb2	0.0000	-0.8018	-1.6418	-0.0000	0.8018	1.6418	0.0005	-0.1593	-0.1296

RohnC2	0.0000	-0.2194	-0.2807	0.0000	0.2194	0.2407	0.0036	-0.9237	-0.0109
RohnC1	0.0000	-1.8376	-1.0382	0.0000	1.8376	1.0382	0.0004	-0.7786	-0.1250
RohnC2	0.0000	-1.8248	-1.0382	0.0000	1.8248	1.0382	0.0027	-0.7833	-0.0038
RohnC1	0.0000	-0.3134	-0.3882	0.0000	0.3134	0.3882	0.0000	-0.7008	-0.1216
RohnC2	0.0000	-0.3134	-0.3882	0.0000	0.3134	0.3882	0.0031	-0.7056	-0.0004
RohnD1	0.0000	-0.4477	-0.4720	0.0000	0.4477	0.4720	0.0003	-0.5567	-0.1128
RohnD2	0.0000	-0.3188	-0.4270	0.0000	0.3188	0.4270	0.0029	-0.5617	-0.0044
RohnD1	0.0000	-0.3675	-0.5020	0.0000	0.3675	0.5020	0.0001	-0.4909	-0.1073
RohnD2	0.0000	-0.3188	-0.4270	0.0000	0.3188	0.4270	0.0030	-0.4960	-0.0057
RohnE1	0.0000	-0.3264	-0.5573	0.0000	0.3264	0.5573	0.0006	-0.3746	-0.0960
RohnE2	0.0000	-0.3264	-0.5573	0.0000	0.3264	0.5573	0.0028	-0.3801	-0.0076
RohnE1	0.0000	-0.3723	-0.6233	0.0000	0.3723	0.6233	0.0005	-0.3225	-0.0904
RohnE2	0.0000	-0.3264	-0.5573	0.0000	0.3264	0.5573	0.0029	-0.3281	-0.0085
RohnF1	0.0000	-0.4092	-0.4092	0.0000	0.4092	0.4092	0.0043	-0.2096	-0.0755
RohnF2	0.0000	-0.4092	-0.7729	0.0000	0.4092	0.7729	0.0010	-0.2152	-0.0096
RohnG1	0.0000	-0.3926	-0.8689	0.0000	0.3926	0.8689	-0.0010	-0.1063	-0.0561
RohnG2	0.0000	-0.3926	-0.8689	0.0000	0.3926	0.8689	0.0043	-0.1125	-0.0090
RohnH1	0.0000	-0.3643	-0.9115	0.0000	0.3643	0.9115	-0.0009	-0.0367	-0.0345
RohnH2	0.0000	-0.3643	-0.9115	0.0000	0.3643	0.9115	0.0045	-0.0437	-0.0061
RohnI1	0.0000	-0.3798	-0.9840	0.0000	0.3798	0.9840	0.0008	-0.0003	-0.0118
RohnI2	0.0000	-0.3798	-0.9840	0.0000	0.3798	0.9840	0.0031	-0.0111	-0.0017
RohnJ1	0.0000	-0.3798	-0.9840	0.0000	0.3798	0.9840	0.0011	-1.3070	-0.1079
RohnJ2	0.0000	-0.3798	-0.9840	0.0000	0.3798	0.9840	0.0014	-1.3088	-0.0809
SNB-AA1	0.0000	-0.1755	-0.2594	0.0000	0.1755	0.2594	0.0014	-1.2413	-0.1076
SNB-AA2	0.0000	-0.1755	-0.2594	0.0000	0.1755	0.2594	0.0011	-1.2438	-0.0464
SNB-AB1	0.0000	-0.1755	-0.2594	0.0000	0.1755	0.2594	0.0009	-1.1764	-0.1072
SNB-AB2	0.0000	-0.1755	-0.2594	0.0000	0.1755	0.2594	0.0015	-1.1785	-0.0420
SNB-AC1	0.0000	-0.2194	-0.2807	0.0000	0.2194	0.2807	0.0008	-1.0475	-0.1059
SNB-AC2	0.0000	-0.2194	-0.2807	0.0000	0.2194	0.2807	0.0015	-1.0501	-0.0336
SNB-BA1	0.0000	-0.2194	-0.2807	0.0000	0.2194	0.2807	0.0013	-0.9837	-0.1031
SNB-BA2	0.0000	-0.2194	-0.2807	0.0000	0.2194	0.2807	0.0009	-0.9211	-0.1042
SNB-BE1	0.0000	-0.2194	-0.2807	0.0000	0.2194	0.2807	0.0015	-0.9239	-0.0257
SNB-BE2	0.0000	-0.2194	-0.2807	0.0000	0.2194	0.2807	0.0006	-0.7797	-0.1012
SNB-CA1	0.0000	-0.3134	-0.3882	0.0000	0.3134	0.3882	0.0017	-0.7829	-0.0176
SNB-CA2	0.0000	-0.3134	-0.3882	0.0000	0.3134	0.3882	0.0005	-0.7821	-0.0958
SNB-CB1	0.0000	-0.3134	-0.3882	0.0000	0.3134	0.3882	0.0019	-0.7054	-0.0135
SNB-CB2	0.0000	-0.3134	-0.3882	0.0000	0.3134	0.3882	0.0019	-0.5577	-0.0923
SNB-D1	0.0000	-0.3188	-0.4270	0.0000	0.3188	0.4270	0.0003	-0.5577	-0.0923
SNB-D2	0.0000	-0.3188	-0.4270	0.0000	0.3188	0.4270	0.0020	-0.5612	-0.0074
SNB-D1	0.0000	-0.3188	-0.4270	0.0000	0.3188	0.4270	0.0001	-0.4918	-0.0990
SNB-D2	0.0000	-0.3188	-0.4270	0.0000	0.3188	0.4270	0.0023	-0.4955	-0.0054
SNB-EA1	0.0000	-0.3264	-0.5573	0.0000	0.3264	0.5573	0.0007	-0.3797	-0.0797
SNB-EA2	0.0000	-0.3264	-0.5573	0.0000	0.3264	0.5573	0.0018	-0.3797	-0.0016
SNB-EB1	0.0000	-0.3264	-0.5573	0.0000	0.3264	0.5573	0.0020	-0.3277	-0.0004
SNB-EB2	0.0000	-0.3264	-0.5573	0.0000	0.3264	0.5573	0.0014	-0.2104	-0.0643
SNB-F1	0.0000	-0.4092	-0.7729	0.0000	0.4092	0.7729	0.0038	-0.2146	-0.0036
SNB-F2	0.0000	-0.4092	-0.7729	0.0000	0.4092	0.7729	0.0011	-0.1072	-0.0484
SNB-G1	0.0000	-0.3926	-0.8689	0.0000	0.3926	0.8689	0.0037	-0.1118	-0.0051
SNB-G2	0.0000	-0.3926	-0.8689	0.0000	0.3926	0.8689	0.0011	-0.0375	-0.0303
SNB-H1	0.0000	-0.3643	-0.9115	0.0000	0.3643	0.9115	0.0042	-0.0430	-0.0043
SNB-H2	0.0000	-0.3643	-0.9115	0.0000	0.3643	0.9115	0.0004	-0.0009	-0.0107
SNB-I1	0.0000	-0.3798	-0.9840	0.0000	0.3798	0.9840	0.0043	-0.0103	-0.0013
SNB-I2	0.0000	-0.3798	-0.9840	0.0000	0.3798	0.9840	0.0043	-0.0103	-0.0013

Equilibrium Joint Positions and Rotations for Load Case "WtI -60 deg":

Joint Label	X-Disp (ft)	Y-Disp (ft)	Z-Disp (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohmAP	0.6706	-1.164	-0.1146	0.0000	0.0000	0.0000	5.004	-1.164	179.9
RohmBP	0.5426	-0.9427	-0.1091	0.0000	0.0000	0.0000	5.664	-0.9427	159.9
RohmCP	0.4189	-0.7295	-0.1013	0.0000	0.0000	0.0000	6.328	-0.7295	139.9
RohmDP	0.3053	-0.532	-0.09148	0.0000	0.0000	0.0000	7	-0.532	119.9
RohmEP	0.2088	-0.3654	-0.07768	0.0000	0.0000	0.0000	7.69	-0.3654	99.92
RohmFP	0.1322	-0.2337	-0.06405	0.0000	0.0000	0.0000	8.4	-0.2337	79.94
RohmGP	0.07253	-0.1324	-0.0494	0.0000	0.0000	0.0000	9.128	-0.1324	59.95
RohmHP	0.03063	-0.0596	-0.03407	0.0000	0.0000	0.0000	9.872	-0.0596	39.97
RohmIP	0.005458	-0.01624	-0.01684	0.0000	0.0000	0.0000	10.64	-0.01624	19.98
RohmJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
RohmKP	0	0	0	0.0000	0.0000	0.0000	12.20	0	0
RohmLP	0	0	0	0.0000	0.0000	0.0000	13.00	0	0
RohmMP	0	0	0	0.0000	0.0000	0.0000	13.80	0	0
RohmNP	0	0	0	0.0000	0.0000	0.0000	14.60	0	0
RohmOP	0	0	0	0.0000	0.0000	0.0000	15.40	0	0
RohmPP	0	0	0	0.0000	0.0000	0.0000	16.20	0	0
RohmQP	0	0	0	0.0000	0.0000	0.0000	17.00	0	0
RohmRP	0	0	0	0.0000	0.0000	0.0000	17.80	0	0
RohmSP	0	0	0	0.0000	0.0000	0.0000	18.60	0	0
RohmTP	0	0	0	0.0000	0.0000	0.0000	19.40	0	0
RohmUP	0	0	0	0.0000	0.0000	0.0000	20.20	0	0
RohmVP	0	0	0	0.0000	0.0000	0.0000	21.00	0	0
RohmWP	0	0	0	0.0000	0.0000	0.0000	21.80	0	0
RohmXP	0	0	0	0.0000	0.0000	0.0000	22.60	0	0
RohmYP	0	0	0	0.0000	0.0000	0.0000	23.40	0	0
RohmZP	0	0	0	0.0000	0.0000	0.0000	24.20	0	0
RohmAP	0.6751	-1.165	-0.1148	0.0000	0.0000	0.0000	-1.491	-4.918	179.9
RohmBP	0.5475	-0.9436	-0.1092	0.0000	0.0000	0.0000	-1.495	2.584	180
RohmCP	0.4242	-0.7294	-0.1016	0.0000	0.0000	0.0000	-2.013	-5.378	159.9
RohmDP	0.31	-0.532	-0.09159	0.0000	0.0000	0.0000	-2.53	3.487	160
RohmEP	0.217	-0.3646	-0.07726	0.0000	0.0000	0.0000	-3.038	-5.847	139.9
RohmFP	0.134	-0.2348	-0.06431	0.0000	0.0000	0.0000	-3.527	4.384	140
RohmGP	0.07372	-0.1326	-0.04931	0.0000	0.0000	0.0000	-4.01	-5.33	119.9
RohmHP	0.03141	-0.05972	-0.03402	0.0000	0.0000	0.0000	-4.488	5.261	120
RohmIP	0.006239	-0.01582	-0.01506	0.0000	0.0000	0.0000	-4.972	-6.844	99.92
RohmJP	0	0	0	0.0000	0.0000	0.0000	-5.457	6.108	100
RohmKP	0	0	0	0.0000	0.0000	0.0000	-5.94	-7.393	79.94
RohmLP	0	0	0	0.0000	0.0000	0.0000	-6.428	6.922	60.02
RohmMP	0	0	0	0.0000	0.0000	0.0000	-6.912	-7.972	59.95
RohmNP	0	0	0	0.0000	0.0000	0.0000	-7.397	7.706	60.01
RohmOP	0	0	0	0.0000	0.0000	0.0000	-7.884	-8.579	59.97
RohmPP	0	0	0	0.0000	0.0000	0.0000	-8.372	8.459	40.01
RohmQP	0	0	0	0.0000	0.0000	0.0000	-8.86	-9.219	19.98
RohmRP	0	0	0	0.0000	0.0000	0.0000	-9.344	9.187	20.01
RohmSP	0	0	0	0.0000	0.0000	0.0000	-9.828	-9.889	0
RohmTP	0	0	0	0.0000	0.0000	0.0000	-10.312	9.89	0
RohmUP	0	0	0	0.0000	0.0000	0.0000	-10.796	-10.855	179.9
RohmVP	0	0	0	0.0000	0.0000	0.0000	-11.28	0.8535	179.9
RohmWP	0	0	0	0.0000	0.0000	0.0000	-11.76	-1.646	159.9
RohmXP	0	0	0	0.0000	0.0000	0.0000	-12.24	1.757	160
RohmYP	0	0	0	0.0000	0.0000	0.0000	-12.72	-4.114	139.9
RohmZP	0	0	0	0.0000	0.0000	0.0000	-13.2	2.652	140
RohmAP	0.6728	-1.165	-0.09647	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohmBP	0.5429	-0.9434	-0.09148	0.0000	0.0000	0.0000	-6.193	3.185	179.9
RohmCP	0.4242	-0.7294	-0.08142	0.0000	0.0000	0.0000	-6.676	-4.937	0
RohmDP	0.31	-0.532	-0.07129	0.0000	0.0000	0.0000	-7.159	0.8535	179.9
RohmEP	0.217	-0.3646	-0.06131	0.0000	0.0000	0.0000	-7.642	-1.015	1
RohmFP	0.134	-0.2348	-0.05131	0.0000	0.0000	0.0000	-8.125	1.757	160
RohmGP	0.07372	-0.1326	-0.04132	0.0000	0.0000	0.0000	-8.608	-4.114	139.9
RohmHP	0.03141	-0.05972	-0.03132	0.0000	0.0000	0.0000	-9.091	2.652	140
RohmIP	0.006239	-0.01582	-0.02132	0.0000	0.0000	0.0000	-9.574	-4.938	119.9
RohmJP	0	0	0	0.0000	0.0000	0.0000	-10.057	3.55	120
RohmKP	0	0	0	0.0000	0.0000	0.0000	-10.54	-5.112	99.93
RohmLP	0	0	0	0.0000	0.0000	0.0000	-11.02	4.378	100
RohmMP	0	0	0	0.0000	0.0000	0.0000	-11.5	-5.661	79.94
RohmNP	0	0	0	0.0000	0.0000	0.0000	-12.0	5.191	80.01
RohmOP	0	0	0	0.0000	0.0000	0.0000	-12.5	-6.24	59.96
RohmPP	0	0	0	0.0000	0.0000	0.0000	-13.0	5.975	60.01
RohmQP	0	0	0	0.0000	0.0000	0.0000	-13.5	-6.848	39.97
RohmRP	0	0	0	0.0000	0.0000	0.0000	-14.0	6.728	40.01
RohmSP	0	0	0	0.0000	0.0000	0.0000	-14.5	-7.485	19.98
RohmTP	0	0	0	0.0000	0.0000	0.0000	-15.0	7.485	19.98
RohmUP	0	0	0	0.0000	0.0000	0.0000	-15.5	-7.485	19.98
RohmVP	0	0	0	0.0000	0.0000	0.0000	-16.0	7.485	19.98
RohmWP	0	0	0	0.0000	0.0000	0.0000	-16.5	-7.485	19.98
RohmXP	0	0	0	0.0000	0.0000	0.0000	-17.0	7.485	19.98
RohmYP	0	0	0	0.0000	0.0000	0.0000	-17.5	-7.485	19.98
RohmZP	0	0	0	0.0000	0.0000	0.0000	-18.0	7.485	19.98
RohmAP	0.6385	-1.108	-0.1134	0.0000	0.0000	0.0000	-4.708	8.154	0
RohmBP	0.5064	-0.853	-0.1121	0.0000	0.0000	0.0000	-5.168	-1.108	174.9
RohmCP	0.3744	-0.606	-0.1107	0.0000	0.0000	0.0000	-5.628	1.053	169.9
RohmDP	0.2423	-0.359	-0.1093	0.0000	0.0000	0.0000	-6.088	-0.9968	164.9
RohmEP	0.1103	-0.112	-0.1075	0.0000	0.0000	0.0000	-6.548	0.8572	154.9

RohnB5S	0.4798	-0.8356	-0.1037	0.0000	0.0000	0.0000	0.0000	5.995	-0.8356	149.9
RohnB5S	0.4492	-0.7794	-0.1037	0.0000	0.0000	0.0000	0.0000	6.161	-0.7794	144.9
RohnC5S	0.38	-0.6611	-0.0856	0.0000	0.0000	0.0000	0.0000	6.551	-0.6611	133.2
RohnC5S	0.3419	-0.5942	-0.0857	0.0000	0.0000	0.0000	0.0000	6.775	-0.5942	126.6
RohnD5S	0.2711	-0.4719	-0.0677	0.0000	0.0000	0.0000	0.0000	7.228	-0.4719	113.3
RohnD5S	0.2388	-0.4158	-0.0624	0.0000	0.0000	0.0000	0.0000	7.458	-0.4158	106.6
RohnE5S	0.1818	-0.3179	-0.0733	0.0000	0.0000	0.0000	0.0000	7.925	-0.3179	93.27
RohnE5S	0.1562	-0.2735	-0.0688	0.0000	0.0000	0.0000	0.0000	8.162	-0.2735	86.59
RohnF5S	0.1015	-0.1754	-0.0565	0.0000	0.0000	0.0000	0.0000	8.763	-0.1754	69.94
RohnG5S	0.05077	-0.08844	-0.04161	0.0000	0.0000	0.0000	0.0000	9.499	-0.08844	49.96
RohnH5S	0.0465	-0.02822	-0.02567	0.0000	0.0000	0.0000	0.0000	10.25	-0.02822	29.97
RohnI5S	0.02801	-0.00364	-0.008847	0.0000	0.0000	0.0000	0.0000	11.02	-0.00364	9.991
RohnA5S	0.6393	-1.111	-0.0923	0.0000	0.0000	0.0000	0.0000	3.169	-1.111	174.9
RohnA5S	0.6073	-1.055	-0.09411	0.0000	0.0000	0.0000	0.0000	3.334	-1.055	169.9
RohnB5S	0.5121	-0.8894	-0.09242	0.0000	0.0000	0.0000	0.0000	3.499	-0.8894	164.9
RohnB5S	0.4807	-0.8316	-0.09005	0.0000	0.0000	0.0000	0.0000	3.995	-0.8316	154.9
RohnC5S	0.4501	-0.7822	-0.08859	0.0000	0.0000	0.0000	0.0000	4.161	-0.7822	144.9
RohnC5S	0.4208	-0.7357	-0.0874	0.0000	0.0000	0.0000	0.0000	4.551	-0.7357	133.3
RohnD5S	0.3428	-0.5957	-0.08016	0.0000	0.0000	0.0000	0.0000	4.776	-0.5957	126.6
RohnD5S	0.272	-0.4729	-0.07384	0.0000	0.0000	0.0000	0.0000	5.229	-0.4729	113.3
RohnE5S	0.2387	-0.4167	-0.06999	0.0000	0.0000	0.0000	0.0000	5.459	-0.4167	106.6
RohnF5S	0.1826	-0.3192	-0.06266	0.0000	0.0000	0.0000	0.0000	5.926	-0.3192	93.28
RohnF5S	0.157	-0.2747	-0.05945	0.0000	0.0000	0.0000	0.0000	6.163	-0.2747	86.6
RohnG5S	0.1023	-0.176	-0.04947	0.0000	0.0000	0.0000	0.0000	6.764	-0.176	69.96
RohnG5S	0.05456	-0.06801	-0.03673	0.0000	0.0000	0.0000	0.0000	7.5	-0.06801	49.96
RohnH5S	0.01728	-0.03007	-0.02277	0.0000	0.0000	0.0000	0.0000	8.252	-0.03007	29.98
RohnI5S	-0.002019	0.01409	-0.00868	0.0000	0.0000	0.0000	0.0000	9.019	-0.00868	9.992
RohnA1	0.6433	-1.11	-0.1136	0.0000	0.0000	0.0000	0.0000	-1.622	-5.033	174.9
RohnA2	0.6298	-1.113	-0.02773	0.0000	0.0000	0.0000	0.0000	-1.625	2.81	175
RohnA1	0.6109	-1.058	-0.1123	0.0000	0.0000	0.0000	0.0000	-1.753	-5.148	169.9
RohnA2	0.6072	-1.058	-0.02307	0.0000	0.0000	0.0000	0.0000	-1.756	3.036	170
RohnA1	0.5791	-0.9988	-0.1108	0.0000	0.0000	0.0000	0.0000	-1.883	-5.263	164.9
RohnA2	0.5751	-1.002	-0.01883	0.0000	0.0000	0.0000	0.0000	-1.886	3.262	165
RohnB1	0.5149	-0.8986	-0.1076	0.0000	0.0000	0.0000	0.0000	-2.144	-5.494	154.9
RohnB2	0.5131	-0.8931	-0.01034	0.0000	0.0000	0.0000	0.0000	-2.146	3.712	155
RohnB1	0.4858	-0.8354	-0.1058	0.0000	0.0000	0.0000	0.0000	-2.272	-5.642	149.9
RohnB2	0.4819	-0.839	-0.006455	0.0000	0.0000	0.0000	0.0000	-2.276	3.937	150
RohnB1	0.4523	-0.7808	-0.1038	0.0000	0.0000	0.0000	0.0000	-2.404	-5.727	144.9
RohnB2	0.4514	-0.7858	-0.022869	0.0000	0.0000	0.0000	0.0000	-2.405	4.161	145
RohnC1	0.3845	-0.6614	-0.09845	0.0000	0.0000	0.0000	0.0000	-2.701	-6.005	138.2
RohnC2	0.3824	-0.666	0.004344	0.0000	0.0000	0.0000	0.0000	-2.703	4.678	133.3
RohnC1	0.3435	-0.5949	-0.09526	0.0000	0.0000	0.0000	0.0000	-2.871	-6.166	126.6
RohnC2	0.3446	-0.6002	0.00773	0.0000	0.0000	0.0000	0.0000	-2.872	4.971	126.7
RohnD1	0.275	-0.4778	-0.08737	0.0000	0.0000	0.0000	0.0000	-3.203	-6.497	113.3
RohnD2	0.2741	-0.4778	0.01221	0.0000	0.0000	0.0000	0.0000	-3.204	5.547	113.4
RohnD1	0.2424	-0.4162	-0.08272	0.0000	0.0000	0.0000	0.0000	-3.367	-6.668	106.6
RohnD2	0.2421	-0.4221	0.01318	0.0000	0.0000	0.0000	0.0000	-3.368	5.833	106.7
RohnE1	0.186	-0.3175	-0.07346	0.0000	0.0000	0.0000	0.0000	-3.686	-7.023	93.27
RohnE2	0.1854	-0.3235	-0.01443	0.0000	0.0000	0.0000	0.0000	-3.686	6.382	93.35
RohnE1	0.1602	-0.2731	-0.05889	0.0000	0.0000	0.0000	0.0000	-3.843	-7.206	86.59
RohnE2	0.1601	-0.2794	0.01499	0.0000	0.0000	0.0000	0.0000	-3.843	6.658	86.67
RohnF1	0.1024	-0.1764	-0.05699	0.0000	0.0000	0.0000	0.0000	-4.228	-7.678	69.94
RohnF2	0.1055	-0.1843	-0.01511	0.0000	0.0000	0.0000	0.0000	-4.225	7.317	70.02
RohnG1	0.05205	-0.08874	-0.01194	0.0000	0.0000	0.0000	0.0000	-4.672	-8.274	49.96
RohnG2	0.05544	-0.09712	0.01346	0.0000	0.0000	0.0000	0.0000	-4.669	8.085	50.01
RohnH1	0.01809	-0.02851	-0.02568	0.0000	0.0000	0.0000	0.0000	-5.1	-8.894	29.97
RohnH2	0.02208	-0.03887	0.008697	0.0000	0.0000	0.0000	0.0000	-5.096	8.825	30.01
RohnI1	0.002999	0.0015	-0.008851	0.0000	0.0000	0.0000	0.0000	-5.51	-9.546	9.991
RohnI2	0.00636	-0.01122	0.002588	0.0000	0.0000	0.0000	0.0000	-5.506	9.537	10
RohnA1	0.6427	-1.111	-0.39533	0.0000	0.0000	0.0000	0.0000	-3.301	174.9	
RohnA2	0.6411	-1.111	-0.04604	0.0000	0.0000	0.0000	0.0000	-3.301	175	
RohnB1	0.6888	-1.054	-0.09415	0.0000	0.0000	0.0000	0.0000	-3.415	169.9	
RohnB2	0.6088	-1.056	-0.04206	0.0000	0.0000	0.0000	0.0000	-3.415	170	
RohnC1	0.5772	-0.9984	-0.09286	0.0000	0.0000	0.0000	0.0000	-3.531	164.9	
RohnC2	0.5134	-0.9886	-0.09009	0.0000	0.0000	0.0000	0.0000	-3.762	154.9	
RohnD1	0.5132	-0.8915	-0.08262	0.0000	0.0000	0.0000	0.0000	-1.145	3.982	155
RohnD2	0.4829	-0.8547	-0.08665	0.0000	0.0000	0.0000	0.0000	-1.145	-3.878	149.9
RohnE1	0.4829	-0.8374	-0.02438	0.0000	0.0000	0.0000	0.0000	-1.274	-2.206	150
RohnE2	0.4516	-0.8113	-0.08704	0.0000	0.0000	0.0000	0.0000	-1.404	-3.995	144.9
RohnF1	0.4523	-0.7843	-0.02037	0.0000	0.0000	0.0000	0.0000	-1.403	2.43	145

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

Label	X (kips)	Y (kips)	Z (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Usage %	X-M. Moment (ft-k)	Y-M. Moment (ft-k)	Z-M. Moment (ft-k)	Max. Usage %
RohnJP	-2.91	0.210	0.0	0.0	0.0	137.17	0.0	0.0	0.0	0.0	0.0
RohnJP	0.9285	-1.6082	-0.7238	-0.9285	0.0	82.15	1.6082	0.7238	0.9285	0.0	0.0
RohnJP	0.4743	-0.9215	-0.7697	-0.4743	0.0	82.15	0.9215	0.7697	0.4743	0.0	0.0
RohnJP	0.5404	-0.9560	-1.1059	-0.5404	0.0	336.0	1.1059	0.5404	0.9560	0.0	0.0
RohnJP	0.7017	-1.2153	-1.6550	-0.7017	0.0	215.3	1.6550	0.7017	1.2153	0.0	0.0
RohnJP	0.3102	-0.5373	-0.9842	-0.3102	0.0	537.3	0.9842	0.3102	0.5373	0.0	0.0
RohnJP	0.3954	-0.6849	-1.3516	-0.3954	0.0	684.9	1.3516	0.3954	0.6849	0.0	0.0
RohnJP	0.3993	-0.6916	-1.6618	-0.3993	0.0	691.6	1.6618	0.3993	0.6916	0.0	0.0
RohnJP	0.3640	-0.6305	-1.7804	-0.3640	0.0	630.5	1.7804	0.3640	0.6305	0.0	0.0
RohnJP	0.3579	-0.6199	-1.8955	-0.3579	0.0	619.9	1.8955	0.3579	0.6199	0.0	0.0
RohnJP	0.1827	-0.3165	-0.9840	-0.1827	0.0	272.67	1.7878	0.1827	0.3165	0.0	0.0
RohnJP	0.0846	-0.1465	-0.2594	-0.0846	0.0	146.5	0.2594	0.0846	0.1465	0.0	0.0
RohnJP	0.1902	-0.3495	-0.5401	-0.1902	0.0	329.5	0.5401	0.1902	0.3495	0.0	0.0
RohnJP	0.2561	-0.4435	-0.6689	-0.2561	0.0	443.5	0.6689	0.2561	0.4435	0.0	0.0
RohnJP	0.3038	-0.5262	-0.8151	-0.3038	0.0	526.2	0.8151	0.3038	0.5262	0.0	0.0
RohnJP	0.3102	-0.5373	-0.9842	-0.3102	0.0	537.3	0.9842	0.3102	0.5373	0.0	0.0
RohnJP	0.3536	-0.6124	-1.3301	-0.3536	0.0	612.4	1.3301	0.3536	0.6124	0.0	0.0
RohnJP	0.3555	-0.6677	-1.6418	-0.3555	0.0	667.7	1.6418	0.3555	0.6677	0.0	0.0
RohnJP	0.3830	-0.6505	-1.7804	-0.3830	0.0	650.5	1.7804	0.3830	0.6505	0.0	0.0
RohnJP	0.3579	-0.6199	-1.8955	-0.3579	0.0	619.9	1.8955	0.3579	0.6199	0.0	0.0
RohnJP	0.1627	-0.3165	-0.9840	-0.1627	0.0	316.5	1.7878	0.1627	0.3165	0.0	0.0
RohnJP	0.7701	-1.3339	-0.7264	-0.7701	0.0	333.9	0.7264	0.7701	1.3339	0.0	0.0
RohnJP	0.8114	-0.6992	-0.5114	-0.8114	0.0	405.4	0.6992	0.8114	0.5114	0.0	0.0
RohnJP	0.3959	-0.5992	-0.7049	-0.3959	0.0	345.9	0.5992	0.3959	0.7049	0.0	0.0
RohnJP	0.2267	-0.3351	-0.2267	-0.2267	0.0	335.1	0.3351	0.2267	0.2267	0.0	0.0
RohnJP	0.4983	-0.8631	-0.9319	-0.4983	0.0	498.3	0.8631	0.9319	0.4983	0.0	0.0
RohnJP	0.5264	-0.9117	-1.0919	-0.5264	0.0	526.4	0.9117	0.5264	0.9117	0.0	0.0
RohnJP	0.7017	-1.2153	-1.6550	-0.7017	0.0	701.7	1.6550	0.7017	1.2153	0.0	0.0
RohnJP	0.7017	-1.2153	-1.6550	-0.7017	0.0	701.7	1.6550	0.7017	1.2153	0.0	0.0
RohnJP	0.3102	-0.5373	-0.9842	-0.3102	0.0	537.3	0.9842	0.3102	0.5373	0.0	0.0
RohnJP	0.3102	-0.5373	-0.9842	-0.3102	0.0	537.3	0.9842	0.3102	0.5373	0.0	0.0
RohnJP	0.4433	-0.7678	-1.4011	-0.4433	0.0	443.3	0.7678	1.4011	0.4433	0.0	0.0

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

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)	Max. Usage %
RohnJP	0.9285	-1.6082	-0.7238	0.9285	1.6082	0.7238	0.6706	-1.1641	-0.1146	0.0
RohnJP	0.4743	-0.9215	-0.7697	0.4743	0.9215	0.7697	0.5426	-0.9437	-0.1091	0.0
RohnJP	0.5404	-0.9560	-1.1059	0.5404	0.9560	1.1059	0.4189	-0.7255	-0.1015	0.0
RohnJP	0.7017	-1.2153	-1.6550	0.7017	1.2153	1.6550	0.3053	-0.5320	-0.0915	0.0
RohnJP	0.3102	-0.5373	-0.9842	0.3102	0.5373	0.9842	0.2088	-0.3654	-0.0777	0.0
RohnJP	0.3954	-0.6849	-1.3516	0.3954	0.6849	1.3516	0.1322	-0.2337	-0.0641	0.0
RohnJP	0.3993	-0.6916	-1.6618	0.3993	0.6916	1.6618	0.0729	-0.1324	-0.0494	0.0
RohnJP	0.3640	-0.6305	-1.7804	0.3640	0.6305	1.7804	0.0306	-0.0596	-0.0341	0.0
RohnJP	0.3579	-0.6199	-1.8955	0.3579	0.6199	1.8955	0.0055	-0.0162	-0.0166	0.0
RohnJP	0.1827	-0.3165	-0.9840	0.1827	0.3165	0.9840	0.0000	0.0000	0.0000	0.0
RohnJP	0.0846	-0.1465	-0.2594	0.0846	0.1465	0.2594	0.0000	0.0000	0.0000	0.0
RohnJP	0.1902	-0.3495	-0.5401	0.1902	0.3495	0.5401	0.0000	0.0000	0.0000	0.0
RohnJP	0.2561	-0.4435	-0.6689	0.2561	0.4435	0.6689	0.0000	0.0000	0.0000	0.0
RohnJP	0.3038	-0.5262	-0.8151	0.3038	0.5262	0.8151	0.0000	0.0000	0.0000	0.0
RohnJP	0.3102	-0.5373	-0.9842	0.3102	0.5373	0.9842	0.0000	0.0000	0.0000	0.0
RohnJP	0.3536	-0.6124	-1.3301	0.3536	0.6124	1.3301	0.0000	0.0000	0.0000	0.0
RohnJP	0.3555	-0.6677	-1.6418	0.3555	0.6677	1.6418	0.0000	0.0000	0.0000	0.0
RohnJP	0.3830	-0.6505	-1.7804	0.3830	0.6505	1.7804	0.0000	0.0000	0.0000	0.0
RohnJP	0.3579	-0.6199	-1.8955	0.3579	0.6199	1.8955	0.0000	0.0000	0.0000	0.0
RohnJP	0.1627	-0.3165	-0.9840	0.1627	0.3165	0.9840	0.0000	0.0000	0.0000	0.0
RohnJP	0.7701	-1.3339	-0.7264	0.7701	1.3339	0.7264	0.0000	0.0000	0.0000	0.0
RohnJP	0.8114	-0.6992	-0.5114	0.8114	0.6992	0.5114	0.0000	0.0000	0.0000	0.0
RohnJP	0.3959	-0.5992	-0.7049	0.3959	0.5992	0.7049	0.0000	0.0000	0.0000	0.0
RohnJP	0.2267	-0.3351	-0.2267	0.2267	0.3351	0.2267	0.0000	0.0000	0.0000	0.0
RohnJP	0.4983	-0.8631	-0.9319	0.4983	0.8631	0.9319	0.0000	0.0000	0.0000	0.0
RohnJP	0.5264	-0.9117	-1.0919	0.5264	0.9117	1.0919	0.0000	0.0000	0.0000	0.0
RohnJP	0.7017	-1.2153	-1.6550	0.7017	1.2153	1.6550	0.0000	0.0000	0.0000	0.0
RohnJP	0.7017	-1.2153	-1.6550	0.7017	1.2153	1.6550	0.0000	0.0000	0.0000	0.0
RohnJP	0.3102	-0.5373	-0.9842	0.3102	0.5373	0.9842	0.0000	0.0000	0.0000	0.0
RohnJP	0.3102	-0.5373	-0.9842	0.3102	0.5373	0.9842	0.0000	0.0000	0.0000	0.0
RohnJP	0.4433	-0.7678	-1.4011	0.4433	0.7678	1.4011	0.0000	0.0000	0.0000	0.0

RohnE2	0	3854	-0	6649	-1	3516	-0	3954	0	6849	1	3516	0	1364	-0	2362	0	0151
RohnG1	0	3855	-1	6418	-1	6418	-0	3855	0	6677	1	6418	0	0792	-0	1300	-0	0494
RohnG2	0	3856	-0	6677	-1	6418	-0	3855	0	6677	1	6418	0	0778	-0	1360	0	0141
RohnH1	0	3857	-0	6677	-1	7804	-0	3640	0	6305	1	7804	0	0370	-0	0567	-0	0341
RohnH2	0	3858	-0	6305	-1	7804	-0	3640	0	6305	1	7804	0	0360	-0	0632	0	0114
RohnI1	0	3859	-0	6199	-1	8955	-0	3579	0	6199	1	8955	0	0117	-0	0131	-0	0166
RohnI2	0	3860	-0	6199	-1	8955	-0	3579	0	6199	1	8955	0	0108	-0	0191	-0	0053
RohnJ1	0	3861	-0	6400	-1	9155	-0	3645	0	6400	1	9155	0	0000	0	0000	0	0000
RohnJ2	0	3862	-0	6400	-1	9155	-0	3645	0	6400	1	9155	0	0000	0	0000	0	0000
RohnA1	0	3863	-0	6271	-1	8246	-0	3446	0	6271	1	8246	0	0728	-1	1651	-0	0365
RohnA2	0	3864	-0	3446	-1	8246	-0	3446	0	3446	1	8246	0	0594	0	0728	-1	1651
RohnB1	0	3865	-0	1465	-0	2594	-0	0846	0	1465	0	2594	0	5401	0	5453	-0	9434
RohnB2	0	3866	-0	1465	-0	2594	-0	0846	0	1465	0	2594	0	5401	0	5453	-0	9434
RohnC1	0	3867	-0	3295	-0	5401	-0	1902	0	3295	0	5401	0	5455	-0	9458	-0	0330
RohnC2	0	3868	-0	3295	-0	5401	-0	1902	0	3295	0	5401	0	5455	-0	9458	-0	0330
RohnD1	0	3869	-0	4435	-0	6689	-0	2561	0	4435	0	6689	0	4220	-0	7291	-0	0854
RohnD2	0	3870	-0	4435	-0	6689	-0	2561	0	4435	0	6689	0	4220	-0	7291	-0	0854
RohnE1	0	3871	-0	5462	-0	8151	-0	3038	0	5462	0	8151	0	3087	-0	5322	-0	0773
RohnE2	0	3872	-0	5462	-0	8151	-0	3038	0	5462	0	8151	0	3087	-0	5322	-0	0773
RohnF1	0	3873	-0	5373	-0	9842	-0	3102	0	5373	0	9842	0	2127	-0	3651	-0	0659
RohnF2	0	3874	-0	5373	-0	9842	-0	3102	0	5373	0	9842	0	2127	-0	3651	-0	0659
RohnG1	0	3875	-0	6124	-1	3301	-0	3536	0	6124	1	3301	0	1367	-0	2327	-0	0555
RohnG2	0	3876	-0	6124	-1	3301	-0	3536	0	6124	1	3301	0	1367	-0	2327	-0	0555
RohnH1	0	3877	-1	6418	-0	6124	-0	3855	0	6418	0	6124	0	0779	-0	1302	-0	0431
RohnH2	0	3878	-1	6418	-0	6124	-0	3855	0	6418	0	6124	0	0779	-0	1302	-0	0431
RohnI1	0	3879	-1	6418	-0	6124	-0	3855	0	6418	0	6124	0	0779	-0	1302	-0	0431
RohnI2	0	3880	-1	6418	-0	6124	-0	3855	0	6418	0	6124	0	0779	-0	1302	-0	0431
RohnJ1	0	3881	-0	6505	-1	7804	-0	3640	0	6505	1	7804	0	0360	-0	0571	-0	0300
RohnJ2	0	3882	-0	6505	-1	7804	-0	3640	0	6505	1	7804	0	0360	-0	0571	-0	0300
RohnA1	0	3883	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnA2	0	3884	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnB1	0	3885	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnB2	0	3886	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnC1	0	3887	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnC2	0	3888	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnD1	0	3889	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnD2	0	3890	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnE1	0	3891	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnE2	0	3892	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnF1	0	3893	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnF2	0	3894	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnG1	0	3895	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnG2	0	3896	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnH1	0	3897	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnH2	0	3898	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnI1	0	3899	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnI2	0	3900	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnJ1	0	3901	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnJ2	0	3902	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnA1	0	3903	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnA2	0	3904	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnB1	0	3905	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnB2	0	3906	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnC1	0	3907	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnC2	0	3908	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnD1	0	3909	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnD2	0	3910	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnE1	0	3911	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnE2	0	3912	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnF1	0	3913	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnF2	0	3914	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnG1	0	3915	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnG2	0	3916	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnH1	0	3917	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnH2	0	3918	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnI1	0	3919	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnI2	0	3920	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnJ1	0	3921	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnJ2	0	3922	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnA1	0	3923	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnA2	0	3924	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnB1	0	3925	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnB2	0	3926	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnC1	0	3927	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnC2	0	3928	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnD1	0	3929	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnD2	0	3930	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnE1	0	3931	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnE2	0	3932	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnF1	0	3933	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnF2	0	3934	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnG1	0	3935	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnG2	0	3936	-1	8955	-0	3579	-0	3579	0	8955	0	3579	0	0106	-0	0133	-0	0151
RohnH1	0	3937	-1	8955	-0	3579	-0											

RohnBc2	0.1056	-0.1829	-0.2807	-0.1056	0.1829	0.2807	0.4514	-0.7858	0.0029
RohnCa1	0.9126	-1.0382	-0.9126	-0.9126	1.5807	1.0382	0.3845	-0.6814	0.0987
RohnCz2	0.6062	-1.0382	-0.5062	-0.5062	1.5696	1.0382	0.3824	-0.6860	0.0043
RohnCbl	0.1505	-0.2606	-0.3882	-0.1505	0.2606	0.3882	0.3455	-0.5849	0.0953
RohnCa1	0.1505	-0.3882	-0.1505	-0.1505	0.2606	0.3882	0.3456	-0.6022	0.0077
RohnDa1	0.2178	-0.3772	-0.6720	-0.2178	0.3772	0.6720	0.2750	-0.4723	0.0874
RohnDa2	0.4533	-0.2656	-0.4270	-0.1533	0.2656	0.4270	0.2741	-0.4778	0.0122
RohnDbl	0.1777	-0.3077	-0.5020	-0.1777	0.3077	0.5020	0.2424	-0.4162	0.0827
RohnDc2	0.4533	-0.2656	-0.4270	-0.1533	0.2656	0.4270	0.2421	-0.4221	0.0132
RohnEa1	0.4569	-0.2718	-0.5573	-0.1569	0.2718	0.5573	0.1860	-0.3175	0.0735
RohnEa2	0.4569	-0.2718	-0.5573	-0.1569	0.2718	0.5573	0.1854	-0.3235	0.0144
RohnEb1	0.1799	-0.3115	-0.6323	-0.1799	0.3115	0.6323	0.1602	-0.2731	0.0689
RohnEb2	0.1569	-0.2718	-0.5573	-0.1569	0.2718	0.5573	0.1601	-0.2794	0.0150
RohnFa1	0.1966	-0.3406	-0.7729	-0.1966	0.3406	0.7729	0.1024	-0.1764	0.0570
RohnFa2	0.1966	-0.3406	-0.7729	-0.1966	0.3406	0.7729	0.1025	-0.1843	0.0151
RohnGa1	0.1889	-0.3271	-0.8689	-0.1889	0.3271	0.8689	0.0521	-0.0887	0.0419
RohnGa2	0.1889	-0.3271	-0.8689	-0.1889	0.3271	0.8689	0.0554	-0.0871	0.0132
RohnHa1	0.1751	-0.3033	-0.9115	-0.1751	0.3033	0.9115	0.0181	-0.0295	0.0257
RohnHa2	0.1751	-0.3033	-0.9115	-0.1751	0.3033	0.9115	0.0231	-0.0389	0.0087
RohnIa1	0.1827	-0.3165	-0.9840	-0.1827	0.3165	0.9840	0.0030	0.0015	0.0089
RohnIa2	0.1827	-0.3165	-0.9840	-0.1827	0.3165	0.9840	0.0084	-0.0112	0.0026
RohnIa3	0.1827	-0.3165	-0.9840	-0.1827	0.3165	0.9840	0.0084	-0.0112	0.0026
RohnIa4	0.1827	-0.3165	-0.9840	-0.1827	0.3165	0.9840	0.0084	-0.0112	0.0026
RohnAa1	0.0846	-0.1465	-0.2594	-0.0846	0.1465	0.2594	0.6407	-1.1096	-0.0953
RohnAa2	0.0846	-0.1465	-0.2594	-0.0846	0.1465	0.2594	0.6411	-1.1114	-0.0468
RohnAb1	0.0846	-0.1465	-0.2594	-0.0846	0.1465	0.2594	0.6088	-1.0537	-0.0942
RohnAb2	0.0846	-0.1465	-0.2594	-0.0846	0.1465	0.2594	0.6088	-1.0560	0.0421
RohnAc1	0.0846	-0.1465	-0.2594	-0.0846	0.1465	0.2594	0.5766	-0.9884	0.0929
RohnAc2	0.0846	-0.1465	-0.2594	-0.0846	0.1465	0.2594	0.5772	-1.0006	0.0374
RohnBa1	0.1056	-0.1829	-0.2807	-0.1056	0.1829	0.2807	0.5134	-0.8888	0.0901
RohnBa2	0.1056	-0.1829	-0.2807	-0.1056	0.1829	0.2807	0.5142	-0.8915	0.0286
RohnBb1	0.1056	-0.1829	-0.2807	-0.1056	0.1829	0.2807	0.4829	-0.8347	0.0886
RohnBb2	0.1056	-0.1829	-0.2807	-0.1056	0.1829	0.2807	0.4829	-0.8374	0.0244
RohnBc1	0.1056	-0.1829	-0.2807	-0.1056	0.1829	0.2807	0.4516	-0.7813	0.0870
RohnBc2	0.1056	-0.1829	-0.2807	-0.1056	0.1829	0.2807	0.4523	-0.7843	0.0204
RohnCa1	0.1505	-0.2606	-0.3882	-0.1505	0.2606	0.3882	0.3822	-0.6610	0.0829
RohnCa2	0.1505	-0.2606	-0.3882	-0.1505	0.2606	0.3882	0.3833	-0.6646	0.0119
RohnCb1	0.1505	-0.2606	-0.3882	-0.1505	0.2606	0.3882	0.3400	-0.5950	0.0802
RohnCb2	0.1505	-0.2606	-0.3882	-0.1505	0.2606	0.3882	0.3454	-0.5988	0.0078
RohnDc1	0.1533	-0.2656	-0.4270	-0.1533	0.2656	0.4270	0.2732	-0.4722	0.0739
RohnDc2	0.1533	-0.2656	-0.4270	-0.1533	0.2656	0.4270	0.2748	-0.4765	0.0017
RohnDd1	0.1533	-0.2656	-0.4270	-0.1533	0.2656	0.4270	0.2407	-0.4162	0.0700
RohnDd2	0.1533	-0.2656	-0.4270	-0.1533	0.2656	0.4270	0.2427	-0.4208	0.0001
RohnEa1	0.1569	-0.2718	-0.5573	-0.1569	0.2718	0.5573	0.1849	-0.3179	0.0627
RohnEa2	0.1569	-0.2718	-0.5573	-0.1569	0.2718	0.5573	0.1859	-0.3223	0.0035
RohnEb1	0.1569	-0.2718	-0.5573	-0.1569	0.2718	0.5573	0.1605	-0.2783	0.0054
RohnEb2	0.1569	-0.2718	-0.5573	-0.1569	0.2718	0.5573	0.1605	-0.2783	0.0054
RohnFa1	0.1966	-0.3406	-0.7729	-0.1966	0.3406	0.7729	0.1012	-0.1767	0.0495
RohnFa2	0.1966	-0.3406	-0.7729	-0.1966	0.3406	0.7729	0.1057	-0.1833	0.0080
RohnGa1	0.1889	-0.3271	-0.8689	-0.1889	0.3271	0.8689	0.0513	-0.0892	0.0368
RohnGa2	0.1889	-0.3271	-0.8689	-0.1889	0.3271	0.8689	0.0555	-0.0962	0.0086
RohnHa1	0.1751	-0.3033	-0.9115	-0.1751	0.3033	0.9115	0.0174	-0.0300	0.0228
RohnHa2	0.1751	-0.3033	-0.9115	-0.1751	0.3033	0.9115	0.0220	-0.0380	0.0065
RohnIa1	0.1827	-0.3165	-0.9840	-0.1827	0.3165	0.9840	0.0022	0.0010	0.0081
RohnIa2	0.1827	-0.3165	-0.9840	-0.1827	0.3165	0.9840	0.0051	-0.0105	0.0021

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	1.452	0.005702	-0.1472	0.0000	0.0000	0.0000	5.785	0.005702	179.9
RohnBP	1.178	0.005793	-0.1463	0.0000	0.0000	0.0000	6.299	0.005793	159.9
RohnCP	0.914	0.004592	-0.1434	0.0000	0.0000	0.0000	6.82	0.004592	139.9
RohnDP	0.6665	0.003652	-0.1313	0.0000	0.0000	0.0000	7.362	0.003652	119.9
RohnEP	0.4581	0.002929	-0.1133	0.0000	0.0000	0.0000	7.939	0.002929	99.89
RohnFP	0.2924	0.002256	-0.09506	0.0000	0.0000	0.0000	8.56	0.002256	79.9
RohnGP	0.1637	0.001706	-0.07436	0.0000	0.0000	0.0000	9.219	0.001706	59.93
RohnHP	0.0747	0.001104	-0.05198	0.0000	0.0000	0.0000	9.913	0.001104	39.95
RohnIP	0.01644	0.0005651	-0.02558	0.0000	0.0000	0.0000	10.65	0.0005651	19.97
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
RohnKP	0	0	0	0.0000	0.0000	0.0000	12.19	0	0
RohnLP	0	0	0	0.0000	0.0000	0.0000	12.96	0	0
RohnMP	0	0	0	0.0000	0.0000	0.0000	13.73	0	0
RohnNP	0	0	0	0.0000	0.0000	0.0000	14.50	0	0
RohnOP	0	0	0	0.0000	0.0000	0.0000	15.27	0	0
RohnQP	0	0	0	0.0000	0.0000	0.0000	16.04	0	0
RohnRP	0	0	0	0.0000	0.0000	0.0000	16.81	0	0
RohnSP	0	0	0	0.0000	0.0000	0.0000	17.58	0	0
RohnTP	0	0	0	0.0000	0.0000	0.0000	18.35	0	0
RohnUP	0	0	0	0.0000	0.0000	0.0000	19.12	0	0
RohnVP	0	0	0	0.0000	0.0000	0.0000	19.89	0	0
RohnWP	0	0	0	0.0000	0.0000	0.0000	20.66	0	0
RohnXP	0	0	0	0.0000	0.0000	0.0000	21.43	0	0
RohnYP	0	0	0	0.0000	0.0000	0.0000	22.20	0	0
RohnZP	0	0	0	0.0000	0.0000	0.0000	22.97	0	0
RohnA1	1.462	-0.003558	-0.05911	0.0000	0.0000	0.0000	-0.7047	-3.756	179.9
RohnA2	1.45	-0.006244	-0.05881	0.0000	0.0000	0.0000	-0.7168	3.746	179.9
RohnB1	1.187	-0.002702	-0.0446	0.0000	0.0000	0.0000	-1.373	-4.438	160
RohnB2	1.175	-0.006099	-0.04427	0.0000	0.0000	0.0000	-1.385	4.429	160
RohnC1	0.9207	-0.001649	-0.03174	0.0000	0.0000	0.0000	-2.034	-5.119	140
RohnC2	0.9115	-0.005026	-0.03149	0.0000	0.0000	0.0000	-2.043	5.112	140
RohnD1	0.6742	-0.005008	-0.02136	0.0000	0.0000	0.0000	-2.673	-5.793	120
RohnD2	0.6611	-0.008008	-0.02119	0.0000	0.0000	0.0000	-2.68	5.793	120
RohnE1	0.4598	-0.004638	-0.01478	0.0000	0.0000	0.0000	-3.218	-6.478	99.99
RohnE2	0.4593	-0.001578	-0.00462	0.0000	0.0000	0.0000	-3.281	6.474	99.99
RohnF1	0.2993	-0.002219	-0.00924	0.0000	0.0000	0.0000	-3.835	-7.156	79.99
RohnF2	0.2951	-0.00433	-0.009128	0.0000	0.0000	0.0000	-3.829	7.156	79.99
RohnG1	0.171	-0.001909	-0.005283	0.0000	0.0000	0.0000	-4.356	-7.845	59.99
RohnG2	0.1679	-0.003847	-0.005211	0.0000	0.0000	0.0000	-4.36	7.838	59.99
RohnH1	0.0786	0.002609	-0.002425	0.0000	0.0000	0.0000	-4.842	-8.52	40
RohnH2	0.07664	-0.003797	-0.002382	0.0000	0.0000	0.0000	-4.844	8.519	40
RohnI1	0.0229	0.002622	-0.001409	0.0000	0.0000	0.0000	-5.292	-9.203	20
RohnI2	0.02192	-0.003395	-0.001392	0.0000	0.0000	0.0000	-5.293	9.203	20
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
RohnK1	1.455	-0.0006484	-0.06661	0.0000	0.0000	0.0000	0.2887	-2.021	179.9
RohnK2	1.455	-0.002219	-0.06653	0.0000	0.0000	0.0000	0.2886	2.018	179.9
RohnL1	1.181	-0.0138-0.046	-0.0513	0.0000	0.0000	0.0000	-0.3797	-2.703	159.9
RohnL2	1.181	-0.002084	-0.0513	0.0000	0.0000	0.0000	-0.3797	2.701	159.9
RohnM1	0.9151	-0.0006046	-0.03856	0.0000	0.0000	0.0000	-1.039	-3.384	140
RohnM2	0.9151	-0.002073	-0.03827	0.0000	0.0000	0.0000	-1.039	3.382	140
RohnN1	0.6706	-0.001137	-0.0271	0.0000	0.0000	0.0000	-1.677	-4.064	120
RohnN2	0.6705	-0.002119	-0.02702	0.0000	0.0000	0.0000	-1.677	4.064	120
RohnO1	0.4624	-0.001622	-0.01964	0.0000	0.0000	0.0000	-2.278	-4.745	99.98
RohnO2	0.4624	-0.002221	-0.01957	0.0000	0.0000	0.0000	-2.278	4.744	99.98
RohnP1	0.2971	-0.001969	-0.01233	0.0000	0.0000	0.0000	-2.837	-5.426	79.99
RohnP2	0.2971	-0.002312	-0.01228	0.0000	0.0000	0.0000	-2.837	5.426	79.99
RohnQ1	0.1688	-0.002301	-0.007326	0.0000	0.0000	0.0000	-3.359	-6.108	59.99
RohnQ2	0.1688	-0.002475	-0.007349	0.0000	0.0000	0.0000	-3.359	6.107	59.99
RohnR1	0.07711	0.002563	-0.003474	0.0000	0.0000	0.0000	-3.843	-6.788	40
RohnR2	0.07709	-0.002563	-0.003474	0.0000	0.0000	0.0000	-3.843	6.788	40
RohnS1	0.02154	0.002501	-0.001632	0.0000	0.0000	0.0000	-4.292	-7.47	20
RohnS2	0.02153	-0.002518	-0.001621	0.0000	0.0000	0.0000	-4.292	7.47	20
RohnT1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
RohnT2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnU1	1.382	0.005765	-0.1473	0.0000	0.0000	0.0000	5.983	0.005755	174.9
RohnU2	1.115	0.006231	-0.1473	0.0000	0.0000	0.0000	6.042	0.006331	169.9
RohnV1	1.246	0.00285	-0.1469	0.0000	0.0000	0.0000	6.11	0.00285	164.9
RohnV2	1.11	0.005401	-0.1456	0.0000	0.0000	0.0000	6.428	0.005401	154.9

RohrA55	1.043	0.00502	-0.1446	0.0000	0.0000	0.0000	0.0000	6.558	0.00502	149.9
RohrA56	0.9766	0.00463	-0.1432	0.0000	0.0000	0.0000	0.0000	6.689	0.00463	149.9
RohrA57	0.8274	0.00261	-0.1386	0.0000	0.0000	0.0000	0.0000	6.998	0.00261	133.2
RohrA58	0.7454	0.003965	-0.1354	0.0000	0.0000	0.0000	0.0000	7.179	0.003965	126.5
RohrA59	0.5927	0.003425	-0.1261	0.0000	0.0000	0.0000	0.0000	7.549	0.003425	113.2
RohrA60	0.5231	0.003214	-0.1201	0.0000	0.0000	0.0000	0.0000	7.742	0.003214	106.5
RohrA61	0.3996	0.00273	-0.1078	0.0000	0.0000	0.0000	0.0000	8.143	0.00273	93.23
RohrA62	0.3443	0.002508	-0.1017	0.0000	0.0000	0.0000	0.0000	8.335	0.002508	86.56
RohrA63	0.2252	0.002005	-0.08526	0.0000	0.0000	0.0000	0.0000	8.887	0.002005	69.91
RohrA64	0.1151	0.001415	-0.0636	0.0000	0.0000	0.0000	0.0000	9.563	0.001415	49.94
RohrA65	0.04083	0.0008383	-0.03923	0.0000	0.0000	0.0000	0.0000	10.28	0.0008383	29.96
RohrA66	0.001238	0.0002852	-0.01337	0.0000	0.0000	0.0000	0.0000	11.03	0.0002852	9.987
SNB-A55	1.388	-0.001836	-0.1149	0.0000	0.0000	0.0000	0.0000	3.914	-0.001836	174.9
SNB-A56	1.316	-0.001032	-0.115	0.0000	0.0000	0.0000	0.0000	4.643	-0.001032	169.9
SNB-A57	1.247	-0.001121	-0.115	0.0000	0.0000	0.0000	0.0000	4.171	-0.001121	164.9
SNB-A58	1.111	-0.000864	-0.1144	0.0000	0.0000	0.0000	0.0000	4.429	-0.000864	154.9
SNB-A59	1.044	-0.0007857	-0.114	0.0000	0.0000	0.0000	0.0000	4.558	-0.0007857	149.9
SNB-A60	0.9776	-0.000735	-0.1133	0.0000	0.0000	0.0000	0.0000	4.689	-0.000735	144.9
SNB-A61	0.8284	-0.0005729	-0.1108	0.0000	0.0000	0.0000	0.0000	4.998	-0.0005729	133.2
SNB-A62	0.7464	-0.0004925	-0.1086	0.0000	0.0000	0.0000	0.0000	5.179	-0.0004925	126.6
SNB-A63	0.5936	-0.0003585	-0.1021	0.0000	0.0000	0.0000	0.0000	5.555	-0.0003585	113.2
SNB-A64	0.524	-0.0002922	-0.09747	0.0000	0.0000	0.0000	0.0000	5.743	-0.0002922	106.6
SNB-A65	0.4005	-0.0002052	-0.08862	0.0000	0.0000	0.0000	0.0000	6.144	-0.0002052	93.25
SNB-A66	0.3451	-0.0001658	-0.08448	0.0000	0.0000	0.0000	0.0000	6.351	-0.0001658	86.58
SNB-A67	0.2261	-0.000105	-0.0721	0.0000	0.0000	0.0000	0.0000	6.968	-0.000105	69.93
SNB-A68	0.1159	-2.999e-005	-0.05464	0.0000	0.0000	0.0000	0.0000	7.564	-2.999e-005	49.95
SNB-A69	0.04161	-1.786e-006	-0.03437	0.0000	0.0000	0.0000	0.0000	8.276	-1.786e-006	29.97
SNB-A70	0.00202	3.895e-006	-0.01212	0.0000	0.0000	0.0000	0.0000	9.024	3.895e-006	9.988
RohrA71	1.394	-0.002635	-0.05535	0.0000	0.0000	0.0000	0.0000	-0.8714	-3.927	174.9
RohrA72	1.38	-0.002435	-0.05501	0.0000	0.0000	0.0000	0.0000	-0.8845	3.917	174.9
RohrA73	1.324	-0.003174	-0.05165	0.0000	0.0000	0.0000	0.0000	-1.04	-4.087	169.9
RohrA74	1.311	-0.003511	-0.05132	0.0000	0.0000	0.0000	0.0000	-1.052	4.087	169.9
RohrA75	1.236	-0.003977	-0.04808	0.0000	0.0000	0.0000	0.0000	-1.206	-4.267	165
RohrA76	1.243	-0.004601	-0.04773	0.0000	0.0000	0.0000	0.0000	-1.219	4.268	165
RohrA77	1.118	-0.004867	-0.04116	0.0000	0.0000	0.0000	0.0000	-1.541	-4.667	155
RohrA78	1.107	-0.006331	-0.04086	0.0000	0.0000	0.0000	0.0000	-1.552	4.559	155
RohrA79	1.053	-0.003591	-0.03788	0.0000	0.0000	0.0000	0.0000	-1.765	-4.779	150
RohrA80	1.043	-0.004991	-0.03759	0.0000	0.0000	0.0000	0.0000	-1.715	4.771	150
RohrA81	0.9837	-0.0007742	-0.03466	0.0000	0.0000	0.0000	0.0000	-1.872	-4.948	145
RohrA82	0.9743	-0.006217	-0.03439	0.0000	0.0000	0.0000	0.0000	-1.882	4.941	145
RohrA83	0.8355	-0.00091	-0.02791	0.0000	0.0000	0.0000	0.0000	-2.225	-5.345	133.3
RohrA84	0.827	-0.00527	-0.02767	0.0000	0.0000	0.0000	0.0000	-2.258	5.349	133.3
RohrA85	0.7523	-1.608e-007	-0.02442	0.0000	0.0000	0.0000	0.0000	-2.464	-5.571	126.6
RohrA86	0.7445	-0.005587	-0.02419	0.0000	0.0000	0.0000	0.0000	-2.472	5.566	126.6
RohrA87	0.5993	0.0005706	-0.0187	0.0000	0.0000	0.0000	0.0000	-2.879	-6.024	113.3
RohrA88	0.5926	-0.005222	-0.0185	0.0000	0.0000	0.0000	0.0000	-2.886	6.019	113.3
RohrA89	0.5291	0.001124	-0.01651	0.0000	0.0000	0.0000	0.0000	-3.081	-6.251	106.6
RohrA90	0.5225	-0.006338	-0.01633	0.0000	0.0000	0.0000	0.0000	-3.087	6.247	106.6
RohrA91	0.4057	0.001507	-0.01265	0.0000	0.0000	0.0000	0.0000	-3.486	-6.704	93.33
RohrA92	0.4006	-0.004942	-0.01251	0.0000	0.0000	0.0000	0.0000	-3.471	6.701	93.33
RohrA93	0.35	0.004909	-0.0108	0.0000	0.0000	0.0000	0.0000	-3.655	-6.931	86.65
RohrA94	0.3453	-0.005305	-0.01067	0.0000	0.0000	0.0000	0.0000	-3.658	6.926	86.65
RohrA95	0.2274	0.004008	-0.006938	0.0000	0.0000	0.0000	0.0000	-4.103	-7.497	69.99
RohrA96	0.2238	-0.006634	-0.006846	0.0000	0.0000	0.0000	0.0000	-4.107	7.495	69.99
RohrA97	0.1172	0.004638	-0.003611	0.0000	0.0000	0.0000	0.0000	-4.607	-8.178	50
RohrA98	0.1147	-0.006195	-0.003554	0.0000	0.0000	0.0000	0.0000	-4.609	8.176	50
RohrA99	0.04282	0.006594	-0.001731	0.0000	0.0000	0.0000	0.0000	-5.075	-8.859	30
RohrA100	0.04135	-0.006471	-0.001701	0.0000	0.0000	0.0000	0.0000	-5.076	8.859	30
RohrA101	0.007079	0.007308	-0.0008672	0.0000	0.0000	0.0000	0.0000	-5.505	-9.541	9.999
RohrA102	0.006587	-0.007599	-0.0008593	0.0000	0.0000	0.0000	0.0000	-5.506	9.54	9.999
SNB-A71	1.386	-0.0004118	-0.06285	0.0000	0.0000	0.0000	0.0000	0.1214	-2.191	174.9
SNB-A72	1.386	-0.002183	-0.06275	0.0000	0.0000	0.0000	0.0000	0.1212	2.189	174.9
SNB-A73	1.317	-0.003172	-0.05911	0.0000	0.0000	0.0000	0.0000	-0.04612	-2.362	169.9
SNB-A74	1.249	-0.002141	-0.05902	0.0000	0.0000	0.0000	0.0000	-0.04605	2.36	169.9
SNB-A75	1.249	4.6e-005	-0.05545	0.0000	0.0000	0.0000	0.0000	-0.2132	-2.532	164.9
SNB-A76	1.149	-0.002244	-0.05535	0.0000	0.0000	0.0000	0.0000	-0.2134	2.53	164.9
SNB-A77	1.113	0.0004109	-0.04835	0.0000	0.0000	0.0000	0.0000	-0.546	-2.873	155
SNB-A78	1.113	-0.002316	-0.04825	0.0000	0.0000	0.0000	0.0000	-0.5461	2.873	155
SNB-A79	1.046	0.002829	-0.0449	0.0000	0.0000	0.0000	0.0000	-0.7111	-3.043	150
SNB-A80	1.046	-0.002032	-0.04481	0.0000	0.0000	0.0000	0.0000	-0.7112	3.042	150
SNB-A81	0.9796	0.0006551	-0.04157	0.0000	0.0000	0.0000	0.0000	-0.876	-3.213	145
SNB-A82	0.9795	-0.002225	-0.04147	0.0000	0.0000	0.0000	0.0000	-0.8761	3.212	145

Joint Support Reactions for Load Case "W1 0 deg":

Joint Label	X Force (kips)	X Usage %	Y Force (kips)	Y Usage %	Z Comp. Force (kips)	Z Usage %	Uplift Result	Result Usage %	X Moment (ft-k)	X Usage %	Y Moment (ft-k)	Y Usage %	Z Moment (ft-k)	Z Usage %
SNB-Ca1	0.8302	0.001236	-0.03428	0.0000	0.0000	0.0000	0.0000	0.0000	-1.255	-3.61	133.3	3.609	133.3	3.609
SNB-Ca2	-0.002526	-0.03419	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1.255	-3.609	133.3	3.609	133.3	3.609
SNB-Cb1	0.748	0.001557	-0.03051	0.0000	0.0000	0.0000	0.0000	0.0000	-1.468	-3.837	126.6	3.836	126.6	3.836
SNB-Cb2	0.748	0.001557	-0.03042	0.0000	0.0000	0.0000	0.0000	0.0000	-1.468	-3.836	126.6	3.836	126.6	3.836
SNB-Da1	0.5953	0.001992	-0.02416	0.0000	0.0000	0.0000	0.0000	0.0000	-1.883	-4.291	113.3	4.291	113.3	4.291
SNB-Da2	0.5952	0.002826	-0.02408	0.0000	0.0000	0.0000	0.0000	0.0000	-1.883	-4.291	113.3	4.291	113.3	4.291
SNB-Db1	0.5252	0.002419	-0.02168	0.0000	0.0000	0.0000	0.0000	0.0000	-2.084	-4.518	106.6	4.517	106.6	4.517
SNB-Db2	0.5252	0.002419	-0.02168	0.0000	0.0000	0.0000	0.0000	0.0000	-2.084	-4.517	106.6	4.517	106.6	4.517
SNB-Ea1	0.403	0.003162	-0.01622	0.0000	0.0000	0.0000	0.0000	0.0000	-2.468	-4.971	93.32	4.971	93.32	4.971
SNB-Ea2	0.402	0.002668	-0.01686	0.0000	0.0000	0.0000	0.0000	0.0000	-2.468	-4.971	93.32	4.971	93.32	4.971
SNB-Eb1	0.3475	0.002475	-0.01469	0.0000	0.0000	0.0000	0.0000	0.0000	-2.655	-5.199	86.65	5.199	86.65	5.199
SNB-Eb2	0.3474	0.002895	-0.01443	0.0000	0.0000	0.0000	0.0000	0.0000	-2.656	-5.198	86.65	5.198	86.65	5.198
SNB-Fa1	0.2249	0.004542	-0.009556	0.0000	0.0000	0.0000	0.0000	0.0000	-3.106	-5.764	69.99	5.764	69.99	5.764
SNB-Fa2	0.2249	0.004793	-0.009509	0.0000	0.0000	0.0000	0.0000	0.0000	-3.106	-5.764	69.99	5.764	69.99	5.764
SNB-Ga1	0.1155	0.007474	-0.005181	0.0000	0.0000	0.0000	0.0000	0.0000	-3.608	-6.445	49.99	6.445	49.99	6.445
SNB-Ga2	0.1155	0.004856	-0.005149	0.0000	0.0000	0.0000	0.0000	0.0000	-3.609	-6.445	49.99	6.445	49.99	6.445
SNB-Ha1	0.04151	0.005446	-0.002368	0.0000	0.0000	0.0000	0.0000	0.0000	-4.076	-7.126	30	7.126	30	7.126
SNB-Ha2	0.0415	0.005484	-0.002335	0.0000	0.0000	0.0000	0.0000	0.0000	-4.076	-7.126	30	7.126	30	7.126
SNB-Ia1	0.006006	0.007024	-0.000954	0.0000	0.0000	0.0000	0.0000	0.0000	-4.505	-7.806	9.999	7.806	9.999	7.806
SNB-Ia2	0.006004	-0.007029	-0.0009502	0.0000	0.0000	0.0000	0.0000	0.0000	-4.505	-7.806	9.999	7.806	9.999	7.806

Joint Displacements, Loads and Member Forces on Joints for Load Case "W1 0 deg":

Joint Label	X External Load (kips)	X External Usage %	Y External Load (kips)	Y External Usage %	Z External Load (kips)	Z External Usage %	X Member Force (kips)	X Member Usage %	Y Member Force (kips)	Y Member Usage %	Z Member Force (kips)	Z Member Usage %	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnJP	-12.80	0.0	-0.28	0.0	0.273	81.0	0.0	-0.00	0.0	-0.00	0.0	0.0	-0.00	0.0	0.0
RohnJP	1.0064	0.0000	-0.7697	-1.0064	0.0000	0.0000	0.7218	1.4524	0.0057	-0.1472	0.7697	1.775	0.0058	-0.1463	0.7697
RohnCP	1.631	0.0000	-1.1019	-1.1019	0.0000	0.0000	1.019	9.114	0.0046	-0.1414	1.631	3.665	0.0037	-0.1313	1.631
RohnDP	1.5019	0.0000	-1.6550	-1.5019	0.0000	0.0000	1.6550	6.665	0.0037	-0.1313	1.5019	4.481	0.0029	-0.1133	1.5019
RohnEP	0.7195	0.0000	-0.9842	-0.7195	0.0000	0.0000	1.3516	0.2924	0.0023	-0.0951	1.3516	0.1637	0.0017	-0.0744	1.3516
RohnFP	0.9047	0.0000	-1.3516	-0.9047	0.0000	0.0000	1.6618	0.1637	0.0011	-0.0744	1.6618	0.1637	0.0011	-0.0744	1.6618
RohnGP	0.8439	0.0000	-1.7804	-0.8439	0.0000	0.0000	1.8955	0.0164	0.0006	-0.0256	1.8955	0.0164	0.0006	-0.0256	1.8955
RohnHP	0.8295	0.0000	-1.8955	-0.8295	0.0000	0.0000	2.2839	-0.0000	0.0000	0.0000	2.2839	-0.0000	0.0000	0.0000	2.2839
RohnJP	0.4229	0.0000	-0.9840	1.2376	0.0000	0.0000	0.2594	1.4335	0.0014	-0.1146	0.4229	1.1786	0.0010	-0.1146	0.4229
SNB-AP	0.1945	0.0000	-0.2594	-0.1945	0.0000	0.0000	0.5401	1.1786	0.0010	-0.1146	0.5401	1.1786	0.0010	-0.1146	0.5401
SNB-BP	0.5944	0.0000	-0.6689	-0.5944	0.0000	0.0000	0.6689	9.124	0.0007	-0.1124	0.6689	6.675	0.0004	-0.1058	0.6689
SNB-CP	0.7061	0.0000	-0.8151	-0.7061	0.0000	0.0000	0.8151	6.675	0.0003	-0.0922	0.7061	4.590	0.0003	-0.0922	0.7061
SNB-DP	0.7195	0.0000	-0.9842	-0.7195	0.0000	0.0000	0.9842	4.590	0.0001	-0.0739	0.7195	2.972	0.0001	-0.0739	0.7195
SNB-EP	0.8432	0.0000	-1.3301	-0.8432	0.0000	0.0000	1.3301	1.645	0.0001	-0.0433	1.3301	0.1645	0.0001	-0.0433	1.3301
SNB-FP	0.8439	0.0000	-1.7804	-0.8439	0.0000	0.0000	1.8955	0.0172	0.0000	-0.0257	1.8955	0.0172	0.0000	-0.0257	1.8955
SNB-IP	0.8295	0.0000	-1.8955	-0.8295	0.0000	0.0000	2.2839	-0.0000	0.0000	0.0000	2.2839	-0.0000	0.0000	0.0000	2.2839
SNB-JP	0.4229	0.0000	-0.9840	1.2376	0.0000	0.0000	0.2594	1.4335	0.0014	-0.1146	0.4229	1.1786	0.0010	-0.1146	0.4229
RohnA1	1.5655	0.0000	-0.7264	-1.5655	0.0000	0.0000	0.7264	1.4618	0.0036	-0.0591	1.5655	3.536	0.0027	-0.0588	1.5655
RohnA2	1.6481	0.0000	-0.6992	-1.6481	0.0000	0.0000	0.6992	1.497	0.0053	-0.0466	1.6481	3.536	0.0027	-0.0466	1.6481
RohnB1	0.7497	0.0000	-0.7049	-0.7497	0.0000	0.0000	0.7049	1.871	0.0027	-0.0448	0.7497	1.754	0.0021	-0.0443	0.7497
RohnB2	0.5112	0.0000	-0.6351	-0.5112	0.0000	0.0000	0.6351	1.754	0.0016	-0.0317	0.5112	0.9115	0.0010	-0.0315	0.5112
RohnC1	1.0788	0.0000	-0.9319	-1.0788	0.0000	0.0000	0.9319	9.207	0.0016	-0.0317	1.0788	6.674	0.0010	-0.0317	1.0788
RohnD1	1.1350	0.0000	-1.0919	-1.1350	0.0000	0.0000	1.0919	9.115	0.0000	-0.0214	1.1350	6.674	0.0000	-0.0214	1.1350
RohnD2	1.5019	0.0000	-1.6550	-1.5019	0.0000	0.0000	1.6550	6.671	0.0050	-0.0214	1.5019	4.481	0.0009	-0.0214	1.5019
RohnE1	0.7195	0.0000	-0.9842	-0.7195	0.0000	0.0000	0.9842	4.598	0.0000	-0.0448	0.7195	2.972	0.0000	-0.0448	0.7195
RohnE2	0.7195	0.0000	-0.9842	-0.7195	0.0000	0.0000	0.9842	4.598	0.0000	-0.0448	0.7195	2.972	0.0000	-0.0448	0.7195
RohnF1	1.0005	0.0000	-1.4011	-1.0005	0.0000	0.0000	1.4011	2.993	0.0016	-0.0092	1.0005	1.645	0.0001	-0.0092	1.0005

RehrBc2	0.2437	0.0000	-0.2437	-0.0000	0.2807	-0.2437	-0.0000	0.2807	0.9743	-0.0062	-0.0344
RehrCa1	1.8749	0.0000	-1.8749	0.0000	-1.0382	1.8749	0.0000	1.0382	0.6355	-0.0009	-0.0279
RehrCa2	1.8621	0.0000	-1.8621	0.0000	-1.0382	1.8621	0.0000	1.0382	0.6270	-0.0052	-0.0277
RehrCb1	0.3507	0.0000	-0.3507	0.0000	-0.3682	0.3507	0.0000	0.3682	0.7523	-0.0000	-0.0244
RehrCb2	0.3507	0.0000	-0.3507	0.0000	-0.3682	0.3507	0.0000	0.3682	0.7445	-0.0056	-0.0242
RehrDa1	0.4843	0.0000	-0.4843	0.0000	-0.6720	0.4843	0.0000	0.6720	0.5993	0.0096	-0.0187
RehrDa2	0.3554	0.0000	-0.3554	0.0000	-0.4270	0.3554	0.0000	0.4270	0.5926	-0.0052	-0.0185
RehrDb1	0.4041	0.0000	-0.4041	0.0000	-0.5020	0.4041	0.0000	0.5020	0.5291	0.0011	-0.0165
RehrDb2	0.3554	0.0000	-0.3554	0.0000	-0.4270	0.3554	0.0000	0.4270	0.5275	-0.0053	-0.0163
RehrEb1	0.3641	0.0000	-0.3641	0.0000	-0.5573	0.3641	0.0000	0.5573	0.4057	0.0013	-0.0126
RehrEb2	0.3641	0.0000	-0.3641	0.0000	-0.5573	0.3641	0.0000	0.5573	0.4006	-0.0049	-0.0125
RehrEd1	0.4100	0.0000	-0.4100	0.0000	-0.6323	0.4100	0.0000	0.6323	0.3500	0.0019	-0.0108
RehrEd2	0.3641	0.0000	-0.3641	0.0000	-0.5573	0.3641	0.0000	0.5573	0.3453	-0.0050	-0.0107
RehrFa1	0.4569	0.0000	-0.4569	0.0000	-0.7729	0.4569	0.0000	0.7729	0.2274	0.0090	-0.0069
RehrFa2	0.4569	0.0000	-0.4569	0.0000	-0.7729	0.4569	0.0000	0.7729	0.2238	-0.0063	-0.0068
RehrGa1	0.4373	0.0000	-0.4373	0.0000	-0.8689	0.4373	0.0000	0.8689	0.1172	0.0046	-0.0036
RehrGa2	0.4065	0.0000	-0.4065	0.0000	-0.8689	0.4065	0.0000	0.8689	0.1147	-0.0062	-0.0036
RehrHa1	0.4065	0.0000	-0.4065	0.0000	-0.9115	0.4065	0.0000	0.9115	0.0428	0.0056	-0.0017
RehrHa2	0.4229	0.0000	-0.4229	0.0000	-0.9115	0.4229	0.0000	0.9115	0.0413	-0.0065	-0.0017
RehrIa1	0.4229	0.0000	-0.4229	0.0000	-0.9840	0.4229	0.0000	0.9840	0.0071	0.0073	-0.0009
RehrIa2	0.4229	0.0000	-0.4229	0.0000	-0.9840	0.4229	0.0000	0.9840	0.0066	-0.0076	-0.0009
SNB-Aa1	0.1945	0.0000	-0.1945	0.0000	-0.2594	0.1945	0.0000	0.2594	1.3864	-0.0004	-0.0628
SNB-Aa2	0.1945	0.0000	-0.1945	0.0000	-0.2594	0.1945	0.0000	0.2594	1.3862	-0.0022	-0.0628
SNB-Ab1	0.1945	0.0000	-0.1945	0.0000	-0.2594	0.1945	0.0000	0.2594	1.3174	-0.0003	-0.0591
SNB-Ab2	0.1945	0.0000	-0.1945	0.0000	-0.2594	0.1945	0.0000	0.2594	1.3174	-0.0021	-0.0591
SNB-Ac1	0.1945	0.0000	-0.1945	0.0000	-0.2594	0.1945	0.0000	0.2594	1.2486	0.0000	-0.0594
SNB-Ac2	0.1945	0.0000	-0.1945	0.0000	-0.2594	0.1945	0.0000	0.2594	1.2486	-0.0022	-0.0594
SNB-Ba1	0.2437	0.0000	-0.2437	0.0000	-0.2807	0.2437	0.0000	0.2807	1.1129	0.0009	-0.0483
SNB-Ba2	0.2437	0.0000	-0.2437	0.0000	-0.2807	0.2437	0.0000	0.2807	1.0462	0.0003	-0.0483
SNB-Bb1	0.2437	0.0000	-0.2437	0.0000	-0.2807	0.2437	0.0000	0.2807	1.0461	-0.0020	-0.0448
SNB-Bb2	0.2437	0.0000	-0.2437	0.0000	-0.2807	0.2437	0.0000	0.2807	0.9796	0.0007	-0.0416
SNB-Bc1	0.2437	0.0000	-0.2437	0.0000	-0.2807	0.2437	0.0000	0.2807	0.9795	-0.0022	-0.0415
SNB-Bc2	0.2437	0.0000	-0.2437	0.0000	-0.2807	0.2437	0.0000	0.2807	0.9795	-0.0022	-0.0415
SNB-Ca1	0.3507	0.0000	-0.3507	0.0000	-0.3882	0.3507	0.0000	0.3882	0.8302	0.0012	-0.0343
SNB-Ca2	0.3507	0.0000	-0.3507	0.0000	-0.3882	0.3507	0.0000	0.3882	0.8301	-0.0025	-0.0342
SNB-Cb1	0.3507	0.0000	-0.3507	0.0000	-0.3882	0.3507	0.0000	0.3882	0.7480	0.0016	-0.0305
SNB-Cb2	0.3507	0.0000	-0.3507	0.0000	-0.3882	0.3507	0.0000	0.3882	0.7480	-0.0027	-0.0304
SNB-Da1	0.3554	0.0000	-0.3554	0.0000	-0.4270	0.3554	0.0000	0.4270	0.5953	0.0020	-0.0242
SNB-Da2	0.3554	0.0000	-0.3554	0.0000	-0.4270	0.3554	0.0000	0.4270	0.5952	-0.0028	-0.0241
SNB-Db1	0.3554	0.0000	-0.3554	0.0000	-0.4270	0.3554	0.0000	0.4270	0.5952	0.0024	-0.0217
SNB-Db2	0.3554	0.0000	-0.3554	0.0000	-0.4270	0.3554	0.0000	0.4270	0.5952	-0.0024	-0.0217
SNB-Ea1	0.3641	0.0000	-0.3641	0.0000	-0.5573	0.3641	0.0000	0.5573	0.4030	0.0022	-0.0169
SNB-Ea2	0.3641	0.0000	-0.3641	0.0000	-0.5573	0.3641	0.0000	0.5573	0.4030	-0.0027	-0.0169
SNB-Ed1	0.3641	0.0000	-0.3641	0.0000	-0.5573	0.3641	0.0000	0.5573	0.3475	0.0025	-0.0145
SNB-Ed2	0.3641	0.0000	-0.3641	0.0000	-0.5573	0.3641	0.0000	0.5573	0.3474	-0.0029	-0.0144
SNB-Fa1	0.4569	0.0000	-0.4569	0.0000	-0.7729	0.4569	0.0000	0.7729	0.2249	0.0045	-0.0096
SNB-Fa2	0.4569	0.0000	-0.4569	0.0000	-0.7729	0.4569	0.0000	0.7729	0.2249	-0.0048	-0.0095
SNB-Ga1	0.4373	0.0000	-0.4373	0.0000	-0.8689	0.4373	0.0000	0.8689	0.1155	0.0047	-0.0052
SNB-Ga2	0.4373	0.0000	-0.4373	0.0000	-0.8689	0.4373	0.0000	0.8689	0.1155	-0.0049	-0.0051
SNB-Ha1	0.4065	0.0000	-0.4065	0.0000	-0.9115	0.4065	0.0000	0.9115	0.0415	0.0054	-0.0024
SNB-Ha2	0.4065	0.0000	-0.4065	0.0000	-0.9115	0.4065	0.0000	0.9115	0.0415	-0.0055	-0.0023
SNB-Ia1	0.4229	0.0000	-0.4229	0.0000	-0.9840	0.4229	0.0000	0.9840	0.0060	0.0070	-0.0010
SNB-Ia2	0.4229	0.0000	-0.4229	0.0000	-0.9840	0.4229	0.0000	0.9840	0.0060	-0.0070	-0.0010

*** Analysis Results for Load Case No. 4 "WtI 60 deg" - Number of iterations in SABS 12

Equilibrium Joint Positions and Rotations for Load Case "WtI 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	0.16706	1.1268	-0.11477	0.0000	0.0000	0.0000	5.004	1.168	179.9
RohnBP	0.5426	0.9475	-0.1032	0.0000	0.0000	0.0000	5.664	0.9875	159.9
RohnCP	0.4489	0.7334	-0.1016	0.0000	0.0000	0.0000	6.328	0.7334	139.9
RohnDP	0.3053	0.5352	-0.09151	0.0000	0.0000	0.0000	7	0.5352	119.9
RohnEP	0.2048	0.3681	-0.0777	0.0000	0.0000	0.0000	7.69	0.3681	99.92
RohnFP	0.1322	0.2358	-0.06407	0.0000	0.0000	0.0000	8.4	0.2358	79.94
RohnGP	0.07293	0.134	-0.04941	0.0000	0.0000	0.0000	9.128	0.134	59.95
RohnHP	0.03063	0.06068	-0.03407	0.0000	0.0000	0.0000	9.872	0.06068	39.97
RohnIP	0.005457	0.0168	-0.01584	0.0000	0.0000	0.0000	10.64	0.0168	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
RohnKP	0.6715	1.1163	-0.09639	0.0000	0.0000	0.0000	3.004	1.163	179.9
RohnLP	0.5435	0.9425	-0.09143	0.0000	0.0000	0.0000	3.655	0.9425	159.9
RohnMP	0.4188	0.729	-0.08532	0.0000	0.0000	0.0000	4.328	0.729	139.9
RohnNP	0.3061	0.5329	-0.07724	0.0000	0.0000	0.0000	5.001	0.5329	119.9
RohnOP	0.2096	0.3664	-0.0639	0.0000	0.0000	0.0000	5.691	0.3664	99.93
RohnPP	0.133	0.2345	-0.05349	0.0000	0.0000	0.0000	6.401	0.2345	79.94
RohnQP	0.07372	0.1324	-0.0431	0.0000	0.0000	0.0000	7.129	0.1324	59.96
RohnRP	0.03141	0.05967	-0.03002	0.0000	0.0000	0.0000	7.872	0.05967	39.97
RohnSP	0.006238	0.01582	-0.01506	0.0000	0.0000	0.0000	8.634	0.01582	19.98
RohnTP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnU1	0.6778	1.1162	-0.03267	0.0000	0.0000	0.0000	-1.489	-2.59	180
RohnV1	0.6692	1.1159	-0.1145	0.0000	0.0000	0.0000	-1.497	4.912	179.9
RohnW1	0.501	0.9421	-0.01457	0.0000	0.0000	0.0000	-2.01	-3.493	160
RohnX1	0.5116	0.9582	-0.109	0.0000	0.0000	0.0000	-2.019	5.373	159.9
RohnY1	0.4259	0.7296	-0.0001654	0.0000	0.0000	0.0000	-2.529	4.388	140
RohnZ1	0.4197	0.7254	-0.1014	0.0000	0.0000	0.0000	-2.535	5.843	139.9
RohnA2	0.3118	0.5342	-0.01026	0.0000	0.0000	0.0000	-3.036	5.264	120
RohnB2	0.3064	0.529	-0.0919	0.0000	0.0000	0.0000	-3.041	6.327	119.9
RohnC2	0.2452	0.3682	-0.03326	0.0000	0.0000	0.0000	-3.525	6.411	100
RohnD2	0.2109	0.3626	-0.07765	0.0000	0.0000	0.0000	-3.553	6.841	98.82
RohnE2	0.1385	0.2367	-0.04498	0.0000	0.0000	0.0000	-3.995	6.824	80.01
RohnF2	0.1355	0.2308	-0.06402	0.0000	0.0000	0.0000	-3.998	7.391	79.94
RohnG2	0.07829	0.135	-0.03407	0.0000	0.0000	0.0000	-4.448	7.707	60.01
RohnH2	0.07766	0.129	-0.04938	0.0000	0.0000	0.0000	-4.45	7.971	59.85
RohnI2	0.03698	0.06258	-0.01138	0.0000	0.0000	0.0000	-4.884	8.46	40.01
RohnJ2	0.03699	0.05612	-0.03405	0.0000	0.0000	0.0000	-4.885	8.579	39.87
RohnK2	0.01128	0.0188	-0.005294	0.0000	0.0000	0.0000	-5.304	9.187	20.01
RohnL2	0.012	0.01277	-0.01683	0.0000	0.0000	0.0000	-5.304	9.219	19.98
RohnM2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
RohnN2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
RohnO2	0.673	1.164	-0.05173	0.0000	0.0000	0.0000	-0.4935	-0.8564	179.9
RohnP2	0.6728	1.162	-0.08633	0.0000	0.0000	0.0000	-0.4937	3.183	179.9
RohnQ2	0.5455	0.9436	-0.03308	0.0000	0.0000	0.0000	-1.015	3.759	160
RohnR2	0.5453	0.9414	-0.07217	0.0000	0.0000	0.0000	-1.015	3.864	159.9
RohnS2	0.4223	0.7307	-0.04866	0.0000	0.0000	0.0000	-1.532	4.654	140
RohnT2	0.422	0.7277	-0.06527	0.0000	0.0000	0.0000	-1.532	4.112	139.9
RohnU2	0.309	0.5348	-0.094374	0.0000	0.0000	0.0000	-2.038	4.551	120
RohnV2	0.3087	0.5313	-0.0772	0.0000	0.0000	0.0000	-2.039	4.597	119.9
RohnW2	0.2129	0.3666	-0.030322	0.0000	0.0000	0.0000	-2.528	4.378	100
RohnX2	0.2126	0.3646	-0.06587	0.0000	0.0000	0.0000	-2.528	5.111	99.93
RohnY2	0.1368	0.2368	-0.06743	0.0000	0.0000	0.0000	-2.997	5.191	80.01
RohnZ2	0.1366	0.2324	-0.06587	0.0000	0.0000	0.0000	-2.997	5.661	79.94
RohnA3	0.07792	0.1349	-0.008288	0.0000	0.0000	0.0000	-3.45	5.975	60.01
RohnB3	0.07785	0.13	-0.04308	0.0000	0.0000	0.0000	-3.45	6.24	59.96
RohnC3	0.03597	0.06226	-0.008042	0.0000	0.0000	0.0000	-3.685	6.728	40.01
RohnD3	0.03598	0.05702	-0.03001	0.0000	0.0000	0.0000	-3.685	6.848	39.97
RohnE3	0.01057	0.0183	-0.004179	0.0000	0.0000	0.0000	-4.303	7.454	20
RohnF3	0.01058	0.01331	-0.01506	0.0000	0.0000	0.0000	-4.303	7.485	19.98
RohnG3	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnH3	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnI3	0.6385	1.112	-0.1135	0.0000	0.0000	0.0000	5.159	1.112	174.9
RohnJ3	0.6065	1.058	-0.1122	0.0000	0.0000	0.0000	5.333	1.055	169.9
RohnK3	0.5745	1.002	-0.1108	0.0000	0.0000	0.0000	5.896	1.002	164.9
RohnL3	0.5113	0.8917	-0.1075	0.0000	0.0000	0.0000	5.829	0.8917	154.9

SNB-Case	0.3833	0.6533	-0.01199	0.0000	0.0000	0.0000	0.0000	-1.702	-2.948	133.3
SNB-Ca1	0.3833	0.6533	-0.01199	0.0000	0.0000	0.0000	0.0000	-1.702	-2.948	133.3
SNB-Ca2	0.3821	0.6598	-0.08284	0.0000	0.0000	0.0000	0.0000	-1.703	4.271	133.3
SNB-Cb1	0.3454	0.5877	-0.007884	0.0000	0.0000	0.0000	0.0000	-1.871	-3.241	126.7
SNB-Cb2	0.344	0.5939	-0.08013	0.0000	0.0000	0.0000	0.0000	-1.873	4.433	126.6
SNB-Da1	0.2748	0.4757	-0.001791	0.0000	0.0000	0.0000	0.0000	-2.204	-3.817	113.3
SNB-Da2	0.2732	0.4714	-0.07377	0.0000	0.0000	0.0000	0.0000	-2.205	4.764	113.3
SNB-Db1	0.2427	0.4201	-1.699e-005	0.0000	0.0000	0.0000	0.0000	-2.367	-4.1	106.7
SNB-Db2	0.2406	0.4155	-0.06995	0.0000	0.0000	0.0000	0.0000	-2.369	4.935	106.6
SNB-Ea1	0.1859	0.3218	-0.03423	0.0000	0.0000	0.0000	0.0000	-2.686	-4.652	93.34
SNB-Ea2	0.1849	0.3174	-0.06263	0.0000	0.0000	0.0000	0.0000	-2.687	5.291	93.28
SNB-Eb1	0.1605	0.2779	-0.09553	0.0000	0.0000	0.0000	0.0000	-2.842	-4.353	86.67
SNB-Eb2	0.1594	0.2731	-0.05913	0.0000	0.0000	0.0000	0.0000	-2.844	5.474	86.6
SNB-Fa1	0.1057	0.183	0.00797	0.0000	0.0000	0.0000	0.0000	-3.225	-5.586	70.01
SNB-Fa2	0.1011	0.1764	-0.04945	0.0000	0.0000	0.0000	0.0000	-3.223	5.945	69.95
SNB-Ga1	0.0555	0.09607	0.008571	0.0000	0.0000	0.0000	0.0000	-3.669	-6.354	50.01
SNB-Ga2	0.05126	0.08908	-0.03672	0.0000	0.0000	0.0000	0.0000	-3.673	6.539	49.96
SNB-Ha1	0.02196	0.03601	0.006472	0.0000	0.0000	0.0000	0.0000	-4.095	-7.093	30.01
SNB-Ha2	0.01739	0.02998	-0.02277	0.0000	0.0000	0.0000	0.0000	-4.1	7.161	29.98
SNB-Id1	0.006058	0.01049	0.002072	0.0000	0.0000	0.0000	0.0000	-4.505	-7.802	10
SNB-Id2	0.00223	-0.001045	-0.008078	0.0000	0.0000	0.0000	0.0000	-4.509	7.812	9.992

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

Joint Label	X Force Usage (kips)	Y Force Usage (kips)	Z Comp. Usage (kips)	Uplift Usage (%)	Result. Force Usage (kips)	Usage Moment (ft-k)	X-Moment Usage (ft-k)	Y-Moment Usage (ft-k)	Z-Moment Usage (ft-k)	Max. Usage (%)
RohnJP	-2.91	0.0	-2.39	0.0	137.15	0.0	-0.00	0.0	-0.00	0.0
SNB-JP	-3.74	0.0	-3.56	0.0	186.90	0.0	-0.00	0.0	-0.00	0.0
RohnJ1	-10.65	0.0	-10.08	0.0	206.49	0.0	-0.00	0.0	-0.00	0.0
RohnJ2	-0.30	0.0	-0.33	0.0	37.09	0.0	-0.00	0.0	-0.00	0.0
SNB-J1	-20.96	0.0	-36.28	0.0	321.10	0.0	-0.00	0.0	-0.00	0.0
SNB-J2	-2.76	0.0	-5.92	0.0	188.61	0.0	-0.00	0.0	-0.00	0.0

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

Joint Label	External Load (kips)	External Load (kips)	External Load (kips)	Member Force (kips)	Member Force (kips)	Member Force (kips)	Member Displacement (ft)	Member Displacement (ft)	Member Displacement (ft)	Max. Usage (%)
RohnAP	0.9265	1.6082	-0.7218	-0.9285	-1.6082	0.7218	0.6706	1.1684	-0.1147	0.0
RohnBP	0.4743	0.8215	-0.7697	-0.4743	-0.8215	0.7697	0.5426	0.8975	-0.1092	0.0
RohnCP	0.5404	0.9560	-1.1049	-0.5404	-0.9560	1.1049	0.4189	0.7334	-0.1016	0.0
RohnDP	0.7017	1.2453	-1.6550	-0.7017	-1.2453	1.6550	0.3053	0.5352	-0.0915	0.0
RohnEP	0.3402	0.5773	-0.9942	-0.3402	-0.5773	0.9942	0.2088	0.3681	-0.0777	0.0
RohnFP	0.3954	0.6849	-1.3516	-0.3954	-0.6849	1.3516	0.1322	0.2358	-0.0641	0.0
RohnGP	0.3993	0.6916	-1.6618	-0.3993	-0.6916	1.6618	0.0729	0.1340	-0.0494	0.0
RohnHP	0.3640	0.6305	-1.7804	-0.3640	-0.6305	1.7804	0.0306	0.0467	-0.0341	0.0
RohnIP	0.3579	0.6139	-1.8955	-0.3579	-0.6139	1.8955	0.0055	0.0168	-0.0168	0.0
RohnJP	0.1827	0.3165	-0.9840	-0.1827	-0.3165	0.9840	0.0000	0.0000	0.0000	0.0
SNB-AP	0.0846	0.1465	-0.2594	-0.0846	-0.1465	0.2594	0.6715	1.1431	-0.0964	0.0
SNB-BP	0.1902	0.3295	-0.5401	-0.1902	-0.3295	0.5401	0.5435	0.9425	-0.0914	0.0
SNB-CP	0.2561	0.4435	-0.6689	-0.2561	-0.4435	0.6689	0.4198	0.7290	-0.0853	0.0
SNB-DP	0.3035	0.5262	-0.8151	-0.3035	-0.5262	0.8151	0.3061	0.5329	-0.0772	0.0
SNB-EP	0.3102	0.5373	-0.9842	-0.3102	-0.5373	0.9842	0.2096	0.3664	-0.0659	0.0
SNB-FP	0.3536	0.6124	-1.3301	-0.3536	-0.6124	1.3301	0.1330	0.2345	-0.0555	0.0
SNB-GP	0.3865	0.6577	-1.6418	-0.3865	-0.6577	1.6418	0.0737	0.1324	-0.0433	0.0
SNB-HP	0.3840	0.6505	-1.7804	-0.3840	-0.6505	1.7804	0.0314	0.0477	-0.0300	0.0
SNB-IP	0.3579	0.6139	-1.8955	-0.3579	-0.6139	1.8955	0.0062	0.0138	-0.0131	0.0
SNB-JP	0.1827	0.3165	-0.9840	-0.1827	-0.3165	0.9840	0.0000	0.0000	0.0000	0.0
RohnA1	0.7701	1.3339	-0.7701	0.7701	1.3339	-0.7701	0.6778	1.1623	-0.0327	0.0
RohnA2	0.8114	1.4054	-0.6992	-0.8114	-1.4054	0.6992	0.6692	1.1591	-0.1145	0.0
RohnA3	0.3459	0.5992	-0.7049	-0.3459	-0.5992	0.7049	0.5501	0.9421	-0.0146	0.0
RohnB2	0.2267	0.3826	-0.6351	-0.2267	-0.3826	0.6351	0.5416	0.9382	-0.1090	0.0
RohnC1	0.4983	0.8631	-0.9319	-0.4983	-0.8631	0.9319	0.4259	0.7296	0.0002	0.0
RohnC2	0.5264	0.9117	-1.0919	-0.5264	-0.9117	1.0919	0.4197	0.7254	-0.1014	0.0
RohnD1	0.7017	1.2153	-1.6550	-0.7017	-1.2153	1.6550	0.3118	0.5342	0.0103	0.0
RohnD2	0.7017	1.2153	-1.6550	-0.7017	-1.2153	1.6550	0.3064	0.5290	-0.0914	0.0
RohnE1	0.3102	0.5373	-0.9842	-0.3102	-0.5373	0.9842	0.2152	0.3682	0.0133	0.0
RohnE2	0.3102	0.5373	-0.9842	-0.3102	-0.5373	0.9842	0.2109	0.3626	-0.0776	0.0
RohnF1	0.4433	0.7678	-1.4011	-0.4433	-0.7678	1.4011	0.1385	0.2467	0.0150	0.0

RohrN2	0.3954	0.6849	-1.3516	-0.3954	-0.6849	1.3516	0.1355	0.2308	-0.0640
RohrN1	-1.6418	-0.6677	-0.6677	-0.6677	-0.6677	1.6418	0.0793	0.1350	0.0141
RohrN2	0.3855	0.6677	-0.3855	-0.3855	-0.6677	1.6418	0.0777	0.1290	-0.0424
RohrN1	-1.6418	-0.6677	-0.6677	-0.6677	-0.6677	1.6418	0.0777	0.1290	-0.0424
RohrN2	0.3640	0.6305	-0.3640	-0.3640	-0.6305	1.7804	0.0370	0.0626	0.0114
RohrN1	-1.7804	-0.6305	-0.6305	-0.6305	-0.6305	1.7804	0.0360	0.0561	0.0341
RohrN2	0.3572	0.6199	-0.3572	-0.3572	-0.6199	1.8955	0.0113	0.0188	0.0055
RohrN1	-1.8955	-0.6199	-0.6199	-0.6199	-0.6199	1.8955	0.0112	0.0128	-0.0166
RohrN2	0.3490	0.6100	-0.3490	-0.3490	-0.6100	2.0747	0.0000	0.0000	0.0000
RohrN1	-2.0747	-0.6100	-0.6100	-0.6100	-0.6100	2.0747	0.0000	0.0000	0.0000
RohrN2	0.3416	0.6000	-0.3416	-0.3416	-0.6000	2.2594	0.6730	1.1641	0.0517
RohrN1	-2.2594	-0.6000	-0.6000	-0.6000	-0.6000	2.2594	0.6728	1.1623	0.0963
RohrN2	0.3342	0.5896	-0.3342	-0.3342	-0.5896	2.4441	0.5455	0.9438	0.0311
RohrN1	-2.4441	-0.5896	-0.5896	-0.5896	-0.5896	2.4441	0.5455	0.9438	0.0311
RohrN2	0.3268	0.5792	-0.3268	-0.3268	-0.5792	2.6289	0.4223	0.7307	0.0167
RohrN1	-2.6289	-0.5792	-0.5792	-0.5792	-0.5792	2.6289	0.4223	0.7307	0.0167
RohrN2	0.3194	0.5688	-0.3194	-0.3194	-0.5688	2.8137	0.3090	0.5348	0.0044
RohrN1	-2.8137	-0.5688	-0.5688	-0.5688	-0.5688	2.8137	0.3090	0.5348	0.0044
RohrN2	0.3120	0.5584	-0.3120	-0.3120	-0.5584	3.0000	0.1929	0.3686	0.0010
RohrN1	-3.0000	-0.5584	-0.5584	-0.5584	-0.5584	3.0000	0.1929	0.3686	0.0010
RohrN2	0.3046	0.5480	-0.3046	-0.3046	-0.5480	3.1858	0.0842	0.2126	0.0659
RohrN1	-3.1858	-0.5480	-0.5480	-0.5480	-0.5480	3.1858	0.0842	0.2126	0.0659
RohrN2	0.2972	0.5376	-0.2972	-0.2972	-0.5376	3.3716	0.0000	0.0000	0.0000
RohrN1	-3.3716	-0.5376	-0.5376	-0.5376	-0.5376	3.3716	0.0000	0.0000	0.0000
RohrN2	0.2898	0.5272	-0.2898	-0.2898	-0.5272	3.5574	0.0000	0.0000	0.0000
RohrN1	-3.5574	-0.5272	-0.5272	-0.5272	-0.5272	3.5574	0.0000	0.0000	0.0000
RohrN2	0.2824	0.5168	-0.2824	-0.2824	-0.5168	3.7432	0.0000	0.0000	0.0000
RohrN1	-3.7432	-0.5168	-0.5168	-0.5168	-0.5168	3.7432	0.0000	0.0000	0.0000
RohrN2	0.2750	0.5064	-0.2750	-0.2750	-0.5064	3.9290	0.0000	0.0000	0.0000
RohrN1	-3.9290	-0.5064	-0.5064	-0.5064	-0.5064	3.9290	0.0000	0.0000	0.0000
RohrN2	0.2676	0.4960	-0.2676	-0.2676	-0.4960	4.1148	0.0000	0.0000	0.0000
RohrN1	-4.1148	-0.4960	-0.4960	-0.4960	-0.4960	4.1148	0.0000	0.0000	0.0000
RohrN2	0.2602	0.4856	-0.2602	-0.2602	-0.4856	4.3006	0.0000	0.0000	0.0000
RohrN1	-4.3006	-0.4856	-0.4856	-0.4856	-0.4856	4.3006	0.0000	0.0000	0.0000
RohrN2	0.2528	0.4752	-0.2528	-0.2528	-0.4752	4.4864	0.0000	0.0000	0.0000
RohrN1	-4.4864	-0.4752	-0.4752	-0.4752	-0.4752	4.4864	0.0000	0.0000	0.0000
RohrN2	0.2454	0.4648	-0.2454	-0.2454	-0.4648	4.6722	0.0000	0.0000	0.0000
RohrN1	-4.6722	-0.4648	-0.4648	-0.4648	-0.4648	4.6722	0.0000	0.0000	0.0000
RohrN2	0.2380	0.4544	-0.2380	-0.2380	-0.4544	4.8580	0.0000	0.0000	0.0000
RohrN1	-4.8580	-0.4544	-0.4544	-0.4544	-0.4544	4.8580	0.0000	0.0000	0.0000
RohrN2	0.2306	0.4440	-0.2306	-0.2306	-0.4440	5.0438	0.0000	0.0000	0.0000
RohrN1	-5.0438	-0.4440	-0.4440	-0.4440	-0.4440	5.0438	0.0000	0.0000	0.0000
RohrN2	0.2232	0.4336	-0.2232	-0.2232	-0.4336	5.2296	0.0000	0.0000	0.0000
RohrN1	-5.2296	-0.4336	-0.4336	-0.4336	-0.4336	5.2296	0.0000	0.0000	0.0000
RohrN2	0.2158	0.4232	-0.2158	-0.2158	-0.4232	5.4154	0.0000	0.0000	0.0000
RohrN1	-5.4154	-0.4232	-0.4232	-0.4232	-0.4232	5.4154	0.0000	0.0000	0.0000
RohrN2	0.2084	0.4128	-0.2084	-0.2084	-0.4128	5.6012	0.0000	0.0000	0.0000
RohrN1	-5.6012	-0.4128	-0.4128	-0.4128	-0.4128	5.6012	0.0000	0.0000	0.0000
RohrN2	0.2010	0.4024	-0.2010	-0.2010	-0.4024	5.7870	0.0000	0.0000	0.0000
RohrN1	-5.7870	-0.4024	-0.4024	-0.4024	-0.4024	5.7870	0.0000	0.0000	0.0000
RohrN2	0.1936	0.3920	-0.1936	-0.1936	-0.3920	5.9728	0.0000	0.0000	0.0000
RohrN1	-5.9728	-0.3920	-0.3920	-0.3920	-0.3920	5.9728	0.0000	0.0000	0.0000
RohrN2	0.1862	0.3816	-0.1862	-0.1862	-0.3816	6.1586	0.0000	0.0000	0.0000
RohrN1	-6.1586	-0.3816	-0.3816	-0.3816	-0.3816	6.1586	0.0000	0.0000	0.0000
RohrN2	0.1788	0.3712	-0.1788	-0.1788	-0.3712	6.3444	0.0000	0.0000	0.0000
RohrN1	-6.3444	-0.3712	-0.3712	-0.3712	-0.3712	6.3444	0.0000	0.0000	0.0000
RohrN2	0.1714	0.3608	-0.1714	-0.1714	-0.3608	6.5302	0.0000	0.0000	0.0000
RohrN1	-6.5302	-0.3608	-0.3608	-0.3608	-0.3608	6.5302	0.0000	0.0000	0.0000
RohrN2	0.1640	0.3504	-0.1640	-0.1640	-0.3504	6.7160	0.0000	0.0000	0.0000
RohrN1	-6.7160	-0.3504	-0.3504	-0.3504	-0.3504	6.7160	0.0000	0.0000	0.0000
RohrN2	0.1566	0.3400	-0.1566	-0.1566	-0.3400	6.9018	0.0000	0.0000	0.0000
RohrN1	-6.9018	-0.3400	-0.3400	-0.3400	-0.3400	6.9018	0.0000	0.0000	0.0000
RohrN2	0.1492	0.3296	-0.1492	-0.1492	-0.3296	7.0876	0.0000	0.0000	0.0000
RohrN1	-7.0876	-0.3296	-0.3296	-0.3296	-0.3296	7.0876	0.0000	0.0000	0.0000
RohrN2	0.1418	0.3192	-0.1418	-0.1418	-0.3192	7.2734	0.0000	0.0000	0.0000
RohrN1	-7.2734	-0.3192	-0.3192	-0.3192	-0.3192	7.2734	0.0000	0.0000	0.0000
RohrN2	0.1344	0.3088	-0.1344	-0.1344	-0.3088	7.4592	0.0000	0.0000	0.0000
RohrN1	-7.4592	-0.3088	-0.3088	-0.3088	-0.3088	7.4592	0.0000	0.0000	0.0000
RohrN2	0.1270	0.2984	-0.1270	-0.1270	-0.2984	7.6450	0.0000	0.0000	0.0000
RohrN1	-7.6450	-0.2984	-0.2984	-0.2984	-0.2984	7.6450	0.0000	0.0000	0.0000
RohrN2	0.1196	0.2880	-0.1196	-0.1196	-0.2880	7.8308	0.0000	0.0000	0.0000
RohrN1	-7.8308	-0.2880	-0.2880	-0.2880	-0.2880	7.8308	0.0000	0.0000	0.0000
RohrN2	0.1122	0.2776	-0.1122	-0.1122	-0.2776	8.0166	0.0000	0.0000	0.0000
RohrN1	-8.0166	-0.2776	-0.2776	-0.2776	-0.2776	8.0166	0.0000	0.0000	0.0000
RohrN2	0.1048	0.2672	-0.1048	-0.1048	-0.2672	8.2024	0.0000	0.0000	0.0000
RohrN1	-8.2024	-0.2672	-0.2672	-0.2672	-0.2672	8.2024	0.0000	0.0000	0.0000
RohrN2	0.0974	0.2568	-0.0974	-0.0974	-0.2568	8.3882	0.0000	0.0000	0.0000
RohrN1	-8.3882	-0.2568	-0.2568	-0.2568	-0.2568	8.3882	0.0000	0.0000	0.0000
RohrN2	0.0900	0.2464	-0.0900	-0.0900	-0.2464	8.5740	0.0000	0.0000	0.0000
RohrN1	-8.5740	-0.2464	-0.2464	-0.2464	-0.2464	8.5740	0.0000	0.0000	0.0000
RohrN2	0.0826	0.2360	-0.0826	-0.0826	-0.2360	8.7598	0.0000	0.0000	0.0000
RohrN1	-8.7598	-0.2360	-0.2360	-0.2360	-0.2360	8.7598	0.0000	0.0000	0.0000
RohrN2	0.0752	0.2256	-0.0752	-0.0752	-0.2256	8.9456	0.0000	0.0000	0.0000
RohrN1	-8.9456	-0.2256	-0.2256	-0.2256	-0.2256	8.9456	0.0000	0.0000	0.0000
RohrN2	0.0678	0.2152	-0.0678	-0.0678	-0.2152	9.1314	0.0000	0.0000	0.0000
RohrN1	-9.1314	-0.2152	-0.2152	-0.2152	-0.2152	9.1314	0.0000	0.0000	0.0000
RohrN2	0.0604	0.2048	-0.0604	-0.0604	-0.2048	9.3172	0.0000	0.0000	0.0000
RohrN1	-9.3172	-0.2048	-0.2048	-0.2048	-0.2048	9.3172	0.0000	0.0000	0.0000
RohrN2	0.0530	0.1944	-0.0530	-0.0530	-0.1944	9.5030	0.0000	0.0000	0.0000
RohrN1	-9.5030	-0.1944	-0.1944	-0.1944	-0.1944	9.5030	0.0000	0.0000	0.0000
RohrN2	0.0456	0.1840	-0.0456	-0.0456	-0.1840	9.6888	0.0000	0.0000	0.0000
RohrN1	-9.6888	-0.1840	-0.1840	-0.1840	-0.1840	9.6888	0.0000	0.0000	0.0000
RohrN2	0.0382	0.1736	-0.0382	-0.0382	-0.1736	9.8746	0.0000	0.0000	0.0000
RohrN1	-9.8746	-0.1736	-0.1736	-0.1736	-0.1736	9.8746	0.0000	0.0000	0.0000
RohrN2	0.0308	0.1632	-0.0308	-0.0308	-0.1632	10.0604	0.0000	0.0000	0.0000
RohrN1	-10.0604	-0.1632	-0.1632	-0.1632	-0.1632	10.0604	0.0000	0.0000	0.0000
RohrN2	0.0234	0.1528	-0.0234	-0.0234	-0.1528	10.2462	0.0000	0.0000	0.0000
RohrN1	-10.2462	-0.1528	-0.1528	-0.1528	-0.1528	10.2462	0.0000	0.0000	0.0000
RohrN2	0.0160	0.1424	-0.0160	-0.0160	-0.1424	10.4320	0.0000	0.0000	0.0000
RohrN1	-10.4320	-0.1424	-0.1424	-0.1424	-0.1424	10.4320	0.0000	0.0000	0.0000
RohrN2	0.0086	0.1320	-0.0086	-0.0086	-0.1320	10.6178	0.0000	0.0000	0.0000
RohrN1	-10.6178	-0.1320	-0.1320	-0.1320	-0.1320	10.6178	0.0000	0.0000	0.0000
RohrN2	0.0012	0.1216	-0.0012	-0.0012	-0.1216	10.8036	0.0000	0.0000	0.0000
RohrN1	-10.8036	-0.1216	-0.1216	-0.1216	-0.1216	10.8036	0.0000	0.0000	0.0000
RohrN2	-0.0062	0.1112	0.0062	0.0062	0.1112	10.9894	0.0000	0.0000	0.0000
RohrN1	10.9894	0.1112	0.1112	0.1112	0.1112	10.9894	0.0000	0.0000	0.0000
RohrN2	-0.0136	0.1008	0.0136	0.0136	0.1008	11.1752	0.0000	0.0000	0.0000
RohrN1	-11.1752	0.1008	0.1008	0.1008	0.1008	11.1752	0.0000	0.0000	0.0000
RohrN2	-0.0210	0.0904	0.0210	0.0210	0.0904	11.3610	0.0000	0.0000	0.0000
Roh									

RohnB02	0.1829	-0.2807	-0.1056	-0.1829	0.2807	0.4476	0.7765	-0.1036
RohnC01	1.5807	-1.0382	-0.9126	-1.5806	1.0382	0.3867	0.5823	0.0042
RohnC02	5.696	-1.0382	-0.9062	-1.5696	1.0382	0.3802	0.6577	-0.0985
RohnC01	0.1505	-0.3882	-0.1505	-0.2606	0.3882	0.3485	0.5969	0.0076
RohnC02	0.2606	-0.3882	-0.1505	-0.2606	0.3882	0.3416	0.5916	-0.0951
RohnD01	0.2178	-0.6720	-0.2178	-0.3772	0.6720	0.2774	0.4751	0.0121
RohnD02	0.1533	-0.4270	-0.1533	-0.2656	0.4270	0.2716	0.4696	0.0872
RohnD01	0.3077	-0.5020	-0.1777	-0.3077	0.5020	0.2451	0.4196	0.0131
RohnD02	0.2856	-0.4270	-0.1533	-0.2656	0.4270	0.2394	0.4138	-0.0626
RohnE01	0.2718	-0.5573	-0.1569	-0.2718	0.5573	0.1880	0.3216	0.0143
RohnE02	0.1569	-0.5573	-0.1569	-0.2718	0.5573	0.1834	0.3156	0.0733
RohnF01	0.1799	-0.6353	-0.1799	-0.3115	0.6353	0.1624	0.2777	0.0149
RohnF02	0.2718	-0.5573	-0.1569	-0.2718	0.5573	0.1578	0.2714	0.0688
RohnF01	0.1966	-0.7729	-0.1966	-0.3406	0.7729	0.1073	0.1830	0.0150
RohnF02	0.3406	-0.7729	-0.1966	-0.3406	0.7729	0.1006	0.1752	-0.0569
RohnG01	0.4889	-0.8689	-0.1889	-0.3271	0.8689	0.0567	0.0963	0.0131
RohnG02	0.3271	-0.8689	-0.1889	-0.3271	0.8689	0.0508	0.0879	0.0419
RohnH01	0.3033	-0.9115	-0.1731	-0.3033	0.9115	0.0228	0.0384	0.0087
RohnH02	0.1751	-0.9115	-0.1731	-0.3033	0.9115	0.0174	0.0291	0.0237
RohnI01	0.1827	-0.9840	-0.1827	-0.3165	0.9840	0.0028	0.0111	0.0026
RohnI02	0.3165	-0.9840	-0.1827	-0.3165	0.9840	0.0028	0.0111	0.0026
RohnJ01	0.1465	-0.2594	-0.0846	-0.1465	0.2594	0.6412	1.1090	0.0469
RohnJ02	0.0846	-0.2594	-0.0846	-0.1465	0.2594	0.6407	1.1068	0.0952
RohnK01	0.1465	-0.2594	-0.0846	-0.1465	0.2594	0.6089	1.0534	0.0421
RohnK02	0.0846	-0.2594	-0.0846	-0.1465	0.2594	0.6093	1.0515	-0.0940
RohnL01	0.1465	-0.2594	-0.0846	-0.1465	0.2594	0.5773	0.9866	-0.0375
RohnL02	0.0846	-0.2594	-0.0846	-0.1465	0.2594	0.5768	0.9961	-0.0927
RohnM01	0.1829	-0.2807	-0.1056	-0.1829	0.2807	0.5142	0.8977	0.0287
RohnM02	0.1056	-0.2807	-0.1056	-0.1829	0.2807	0.5134	0.8969	-0.0900
RohnN01	0.1829	-0.2807	-0.1056	-0.1829	0.2807	0.4820	0.8357	0.0245
RohnN02	0.1056	-0.2807	-0.1056	-0.1829	0.2807	0.4829	0.8330	-0.0885
RohnO01	0.1056	-0.2807	-0.1056	-0.1829	0.2807	0.4524	0.7827	-0.0205
RohnO02	0.1829	-0.2807	-0.1056	-0.1829	0.2807	0.4516	0.7798	0.0869
RohnP01	0.1505	-0.3882	-0.1505	-0.2606	0.3882	0.3833	0.6633	0.0120
RohnP02	0.2606	-0.3882	-0.1505	-0.2606	0.3882	0.3821	0.6598	0.0828
RohnQ01	0.1505	-0.3882	-0.1505	-0.2606	0.3882	0.3454	0.5977	-0.0079
RohnQ02	0.2606	-0.3882	-0.1505	-0.2606	0.3882	0.3440	0.5939	0.0801
RohnR01	0.1533	-0.4270	-0.1533	-0.2656	0.4270	0.2748	0.4757	-0.0018
RohnR02	0.2656	-0.4270	-0.1533	-0.2656	0.4270	0.2732	0.4714	-0.0738
RohnS01	0.1533	-0.4270	-0.1533	-0.2656	0.4270	0.2472	0.4501	-0.0000
RohnS02	0.2656	-0.4270	-0.1533	-0.2656	0.4270	0.2406	0.4155	-0.0700
RohnT01	0.1569	-0.5573	-0.1569	-0.2718	0.5573	0.1859	0.3216	0.0034
RohnT02	0.1569	-0.5573	-0.1569	-0.2718	0.5573	0.1849	0.3174	-0.0626
RohnU01	0.1369	-0.5573	-0.1569	-0.2718	0.5573	0.1605	0.2779	0.0053
RohnU02	0.1369	-0.5573	-0.1569	-0.2718	0.5573	0.1591	0.2731	-0.0591
RohnV01	0.1966	-0.7729	-0.1966	-0.3406	0.7729	0.1057	0.1830	0.0080
RohnV02	0.3406	-0.7729	-0.1966	-0.3406	0.7729	0.1011	0.1764	0.0494
RohnW01	0.4889	-0.8689	-0.1889	-0.3271	0.8689	0.0555	0.0961	0.0086
RohnW02	0.3271	-0.8689	-0.1889	-0.3271	0.8689	0.0513	0.0891	-0.0367
RohnX01	0.1751	-0.9115	-0.1751	-0.3033	0.9115	0.0220	0.0380	0.0065
RohnX02	0.1751	-0.9115	-0.1751	-0.3033	0.9115	0.0174	0.0300	-0.0228
RohnY01	0.1827	-0.9840	-0.1827	-0.3165	0.9840	0.0061	0.0105	0.0021
RohnY02	0.3165	-0.9840	-0.1827	-0.3165	0.9840	0.0022	-0.0010	-0.0081

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)
RohmAP	-0.0008431	1.373	-0.08763	0.0000	0.0000	0.0000	4.332	1.373	1791.9
RohmBE	-0.001364	1.113	-0.07785	0.0000	0.0000	0.0000	5.12	1.113	159.9
RohmCF	-0.001846	0.8617	-0.06783	0.0000	0.0000	0.0000	5.907	0.8617	139.9
RohmDF	-0.002273	0.6291	-0.05768	0.0000	0.0000	0.0000	6.693	0.6291	119.9
RohmEE	-0.002674	0.4327	-0.04744	0.0000	0.0000	0.0000	7.478	0.4327	99.95
RohmFE	-0.003077	0.277	-0.03776	0.0000	0.0000	0.0000	8.265	0.277	79.96
RohmGF	-0.003462	0.1573	-0.02828	0.0000	0.0000	0.0000	9.052	0.1573	59.97
RohmHE	-0.003774	0.07999	-0.01894	0.0000	0.0000	0.0000	9.837	0.07999	39.98
RohmJF	-0.003666	0.01946	-0.009468	0.0000	0.0000	0.0000	10.63	0.01946	19.99
RohmJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
RohmNE	-5.34956	-0.05	-0.08176	0.0000	0.0000	0.0000	2.333	1.37	179.9
RohmPE	-0.0005749	1.111	-0.07219	0.0000	0.0000	0.0000	3.12	1.111	159.9
RohmRF	-0.001058	0.8597	-0.06258	0.0000	0.0000	0.0000	3.907	0.8597	139.9
RohmSF	-0.001487	0.6287	-0.05305	0.0000	0.0000	0.0000	4.694	0.6287	119.9
RohmTE	-0.001891	0.4325	-0.04356	0.0000	0.0000	0.0000	5.479	0.4325	99.96
RohmUF	-0.002295	0.277	-0.03479	0.0000	0.0000	0.0000	6.266	0.277	79.97
RohmVF	-0.002681	0.1565	-0.02598	0.0000	0.0000	0.0000	7.052	0.1565	59.97
RohmWF	-0.002993	0.07956	-0.01735	0.0000	0.0000	0.0000	7.838	0.07956	39.98
RohmXF	-0.002886	0.01871	-0.008654	0.0000	0.0000	0.0000	8.625	0.01871	19.99
RohmXF	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohmX1	0.002058	1.371	-0.03835	0.0000	0.0000	0.0000	-2.163	-2.361	180
RohmX2	0.004699	1.368	-0.1356	0.0000	0.0000	0.0000	-2.166	5.12	179.9
RohmX3	0.00305	1.112	-0.02215	0.0000	0.0000	0.0000	-2.557	-3.323	160
RohmX4	0.002823	1.108	-0.1333	0.0000	0.0000	0.0000	-2.56	5.343	159.9
RohmX5	0.002426	0.8615	-0.06790	0.0000	0.0000	0.0000	-2.952	-4.256	140
RohmX6	0.008797	0.6508	-0.1275	0.0000	0.0000	0.0000	-2.954	5.974	139.9
RohmX7	0.002569	0.4308	-0.002272	0.0000	0.0000	0.0000	-3.345	5.167	120
RohmX8	0.000705	0.29257	-0.1175	0.0000	0.0000	0.0000	-3.347	6.424	119.9
RohmX9	0.002397	0.1565	0.006182	0.0000	0.0000	0.0000	-3.738	6.044	100
RohmX10	0.002473	0.07956	-0.1401	0.0000	0.0000	0.0000	-3.74	6.908	89.9
RohmX11	0.002459	0.2736	0.008876	0.0000	0.0000	0.0000	-4.132	6.881	80.01
RohmX12	0.001593	0.2738	-0.0843	0.0000	0.0000	0.0000	-4.133	7.434	78.2
RohmX13	0.001954	0.1596	0.009202	0.0000	0.0000	0.0000	-4.526	7.662	60.01
RohmX14	0.001837	0.1533	-0.06567	0.0000	0.0000	0.0000	-4.918	7.395	59.93
RohmX15	0.002042	0.07376	0.007912	0.0000	0.0000	0.0000	-4.918	8.449	40.01
RohmX16	0.001978	0.06721	-0.04573	0.0000	0.0000	0.0000	-5.313	8.59	39.95
RohmX17	0.001704	0.02196	0.003612	0.0000	0.0000	0.0000	-5.313	9.184	20
RohmX18	0.002122	0.0157	-0.02852	0.0000	0.0000	0.0000	-5.313	9.222	19.98
RohmX19	0	0	0	0.0000	0.0000	0.0000	-5.71	9.889	0
RohmX20	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
RohmX21	0.001312	1.371	-0.05349	0.0000	0.0000	0.0000	-1.165	-0.6491	179.9
RohmX22	0.00131	1.369	-0.1438	0.0000	0.0000	0.0000	-1.165	3.39	179.9
RohmX23	0.001244	1.112	-0.03785	0.0000	0.0000	0.0000	-1.559	-1.591	160
RohmX24	0.001262	1.111	-0.1064	0.0000	0.0000	0.0000	-1.559	3.812	159.9
RohmX25	0.001251	0.8613	-0.02215	0.0000	0.0000	0.0000	-1.953	-2.523	140
RohmX26	0.001185	0.6582	-0.1029	0.0000	0.0000	0.0000	-1.953	4.243	139.9
RohmX27	0.001198	0.4306	-0.01812	0.0000	0.0000	0.0000	-2.346	-3.435	120
RohmX28	0.001179	0.2736	-0.00959	0.0000	0.0000	0.0000	-2.346	4.693	119.9
RohmX29	0.001379	0.1596	-0.004394	0.0000	0.0000	0.0000	-2.739	4.312	100
RohmX30	0.001379	0.1596	-0.08305	0.0000	0.0000	0.0000	-2.739	5.177	99.92
RohmX31	0.001398	0.2792	0.002936	0.0000	0.0000	0.0000	-3.133	5.149	80
RohmX32	0.001374	0.2748	-0.07144	0.0000	0.0000	0.0000	-3.133	5.703	79.93
RohmX33	0.001459	0.1589	0.004351	0.0000	0.0000	0.0000	-3.526	6.951	60
RohmX34	0.001456	0.154	-0.05628	0.0000	0.0000	0.0000	-3.526	6.364	59.94
RohmX35	0.001427	0.07315	0.005145	0.0000	0.0000	0.0000	-3.919	6.717	40.01
RohmX36	0.001465	0.07888	-0.03879	0.0000	0.0000	0.0000	-3.919	6.858	39.96
RohmX37	0.001459	0.02122	0.002723	0.0000	0.0000	0.0000	-4.313	7.451	20
RohmX38	0.001455	0.01622	-0.02001	0.0000	0.0000	0.0000	-4.313	7.488	19.98
RohmX39	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohmX40	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohmX41	-0.0009374	1.307	-0.0852	0.0000	0.0000	0.0000	4.529	1.307	174.9
RohmX42	-0.001099	1.243	-0.08278	0.0000	0.0000	0.0000	4.726	1.243	169.9
RohmX43	-0.001179	1.176	-0.0803	0.0000	0.0000	0.0000	4.923	1.176	164.9
RohmX44	-0.001406	1.047	-0.07535	0.0000	0.0000	0.0000	5.317	1.047	154.9

RohrBBS	-0.001626	0.9866	0.0000	0.0000	0.0000	0.0000	0.0000	5.513	0.9866	149.9
RohrBBS	-0.001821	0.9204	0.0000	0.0000	0.0000	0.0000	0.0000	5.771	0.9204	144.9
RohrBBS	-0.001889	0.7811	0.0000	0.0000	0.0000	0.0000	0.0000	6.169	0.7811	133.3
RohrCDS	-0.002021	0.7024	0.0000	0.0000	0.0000	0.0000	0.0000	6.431	0.7024	126.6
RohrDSS	-0.002399	0.5583	0.0000	0.0000	0.0000	0.0000	0.0000	6.954	0.5583	113.5
RohrDSS	-0.002437	0.4222	0.0000	0.0000	0.0000	0.0000	0.0000	7.217	0.4222	106.6
RohrEAS	-0.002837	0.3242	0.0000	0.0000	0.0000	0.0000	0.0000	7.774	0.3242	93.3
RohrEAS	-0.002892	0.2084	0.0000	0.0000	0.0000	0.0000	0.0000	8.003	0.2084	86.62
RohrGAS	-0.003305	0.1055	0.0000	0.0000	0.0000	0.0000	0.0000	8.659	0.1055	49.98
RohrGAS	-0.003848	0.03592	0.0000	0.0000	0.0000	0.0000	0.0000	9.445	0.03592	29.99
RohrIAS	-0.004152	0.002241	0.0000	0.0000	0.0000	0.0000	0.0000	11.02	0.002241	9.995
RohrIAS	-0.0041485	1.305	0.0000	0.0000	0.0000	0.0000	0.0000	2.53	1.305	174.9
RohrAS	-0.0031095	1.124	0.0000	0.0000	0.0000	0.0000	0.0000	2.727	1.124	169.9
RohrAS	-0.0033095	1.175	0.0000	0.0000	0.0000	0.0000	0.0000	2.924	1.175	164.9
RohrAS	-0.0036184	1.046	0.0000	0.0000	0.0000	0.0000	0.0000	3.317	1.046	154.9
RohrBBS	-0.0008564	0.9836	0.0000	0.0000	0.0000	0.0000	0.0000	3.514	0.9836	149.9
RohrBBS	-0.0008339	0.9205	0.0000	0.0000	0.0000	0.0000	0.0000	3.771	0.9205	144.9
RohrCBS	-0.001102	0.7791	0.0000	0.0000	0.0000	0.0000	0.0000	4.165	0.7791	133.2
RohrCBS	-0.001235	0.7015	0.0000	0.0000	0.0000	0.0000	0.0000	4.432	0.7015	126.6
RohrDSS	-0.001439	0.5572	0.0000	0.0000	0.0000	0.0000	0.0000	4.955	0.5572	113.3
RohrDSS	-0.001635	0.4211	0.0000	0.0000	0.0000	0.0000	0.0000	5.218	0.4211	106.6
RohrEAS	-0.001946	0.3242	0.0000	0.0000	0.0000	0.0000	0.0000	5.741	0.3242	93.3
RohrEAS	-0.002055	0.2084	0.0000	0.0000	0.0000	0.0000	0.0000	6.004	0.2084	86.62
RohrFAS	-0.002111	0.1052	0.0000	0.0000	0.0000	0.0000	0.0000	6.653	0.1052	49.98
RohrFAS	-0.002524	0.03566	0.0000	0.0000	0.0000	0.0000	0.0000	7.445	0.03566	29.99
RohrHAS	-0.003068	0.001732	0.0000	0.0000	0.0000	0.0000	0.0000	9.016	0.001732	9.995
RohrHAS	-0.003371	0.001732	0.0000	0.0000	0.0000	0.0000	0.0000	2.262	-2.617	175
RohrA1	-0.003111	1.306	0.0000	0.0000	0.0000	0.0000	0.0000	-2.265	5.225	174.9
RohrA2	-0.0011709	1.302	0.0000	0.0000	0.0000	0.0000	0.0000	-2.336	2.853	170
RohrA1	-0.003172	1.241	0.0000	0.0000	0.0000	0.0000	0.0000	-2.363	5.331	169.9
RohrA2	-0.0064745	1.237	0.0000	0.0000	0.0000	0.0000	0.0000	-2.459	3.088	145
RohrA2	-0.0032258	1.177	0.0000	0.0000	0.0000	0.0000	0.0000	-2.482	5.437	161.9
RohrA1	-0.0033205	1.172	0.0000	0.0000	0.0000	0.0000	0.0000	-2.485	-3.457	135.5
RohrA1	-0.003533	1.048	0.0000	0.0000	0.0000	0.0000	0.0000	-2.659	5.649	154.5
RohrB1	-0.0001787	1.044	0.0000	0.0000	0.0000	0.0000	0.0000	-2.755	-3.791	150
RohrB1	-0.002223	0.9853	0.0000	0.0000	0.0000	0.0000	0.0000	-2.756	4.025	145
RohrB1	-0.001111	0.9809	0.0000	0.0000	0.0000	0.0000	0.0000	-2.852	5.864	144.9
RohrB1	-0.00359	0.9222	0.0000	0.0000	0.0000	0.0000	0.0000	-2.857	4.562	133.3
RohrB2	-0.0005043	0.9177	0.0000	0.0000	0.0000	0.0000	0.0000	-3.083	6.421	133.2
RohrC1	-0.00269	0.782	0.0000	0.0000	0.0000	0.0000	0.0000	-3.085	4.867	126.7
RohrC2	0.0004205	0.7773	0.0000	0.0000	0.0000	0.0000	0.0000	-3.214	6.271	126.5
RohrC1	0.003114	0.7046	0.0000	0.0000	0.0000	0.0000	0.0000	-3.476	5.464	113.3
RohrC2	1.8828-006	0.6997	0.0000	0.0000	0.0000	0.0000	0.0000	-3.476	6.581	113.2
RohrD1	0.00285	0.5609	0.0000	0.0000	0.0000	0.0000	0.0000	-3.478	5.757	106.7
RohrD2	0.0026206	0.5558	0.0000	0.0000	0.0000	0.0000	0.0000	-3.607	-5.757	106.7
RohrD1	0.003023	0.4953	0.0000	0.0000	0.0000	0.0000	0.0000	-3.609	6.742	106.6
RohrD2	0.0001398	0.4902	0.0000	0.0000	0.0000	0.0000	0.0000	-3.669	-6.326	93.35
RohrE1	0.002757	0.3796	0.0000	0.0000	0.0000	0.0000	0.0000	-3.871	7.00	93.24
RohrE2	0.0008856	0.3742	0.0000	0.0000	0.0000	0.0000	0.0000	-4.006	6.06	86.7
RohrE1	0.002858	0.3277	0.0000	0.0000	0.0000	0.0000	0.0000	-4.326	7.553	86.57
RohrE2	0.0004506	0.3221	0.0000	0.0000	0.0000	0.0000	0.0000	-4.332	-7.486	70.01
RohrF1	0.0004308	0.215	0.0000	0.0000	0.0000	0.0000	0.0000	-4.72	8.07	50.01
RohrF2	-0.001232	0.2094	0.0000	0.0000	0.0000	0.0000	0.0000	-4.725	8.288	49.94
RohrG1	0.004263	0.1124	0.0000	0.0000	0.0000	0.0000	0.0000	-5.113	8.321	30.01
RohrG2	-0.001001	0.1062	0.0000	0.0000	0.0000	0.0000	0.0000	-5.119	8.901	29.97
RohrH1	0.004346	0.04365	0.0000	0.0000	0.0000	0.0000	0.0000	-5.507	9.548	9.988
RohrH2	-0.0008587	0.03671	0.0000	0.0000	0.0000	0.0000	0.0000	-5.512	0.8846	174.9
RohrI1	0.005074	0.01109	0.0000	0.0000	0.0000	0.0000	0.0000	-1.362	-1.12	170
RohrI2	0.0009244	0.002866	0.0000	0.0000	0.0000	0.0000	0.0000	-1.362	3.601	169.9
SNB-A1	0.001439	1.306	0.0000	0.0000	0.0000	0.0000	0.0000	-1.46	1.356	165
SNB-A2	0.001106	1.241	0.0000	0.0000	0.0000	0.0000	0.0000	-1.461	3.706	164.9
SNB-A1	0.001206	1.241	0.0000	0.0000	0.0000	0.0000	0.0000	-1.558	3.959	164.9
SNB-A2	0.001463	1.048	0.0000	0.0000	0.0000	0.0000	0.0000	-1.558	-1.825	155
SNB-A1	0.001516	1.177	0.0000	0.0000	0.0000	0.0000	0.0000	-1.558	3.959	164.9
SNB-A2	0.0009258	1.048	0.0000	0.0000	0.0000	0.0000	0.0000	-1.558	-2.052	150
SNB-B1	0.001539	1.048	0.0000	0.0000	0.0000	0.0000	0.0000	-1.558	4.026	149.9
SNB-B2	0.0008119	0.9845	0.0000	0.0000	0.0000	0.0000	0.0000	-1.756	-2.252	145
SNB-B1	0.001327	0.9821	0.0000	0.0000	0.0000	0.0000	0.0000	-1.954	4.134	144.9
SNB-B2	0.001487	0.9224	0.0000	0.0000	0.0000	0.0000	0.0000	-1.955	4.134	144.9
SNB-Bc1	0.0005567	0.9196	0.0000	0.0000	0.0000	0.0000	0.0000	-1.955		

Label	X (kips)	Y (kips)	Z (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Usage %	X-Moment (ft-k)	Y-Moment (ft-k)	Z-Moment (ft-k)	Max. Usage %
SNB-Ca1	0.00173	0.7816	-0.01763	0.0000	0.0000	0.0000	-2.083	-2.83	133.3	0.0	0.0
SNB-Ca2	0.0006147	0.7785	-0.1011	0.0000	0.0000	0.0000	-2.084	4.39	133.2	0.0	0.0
SNB-Cb1	0.001879	0.7043	-0.01361	0.0000	0.0000	0.0000	-2.215	-3.135	126.6	0.0	0.0
SNB-Cb2	0.0004607	0.7011	-0.0987	0.0000	0.0000	0.0000	-2.216	4.54	126.6	0.0	0.0
SNB-Da1	0.002021	0.5604	-0.007447	0.0000	0.0000	0.0000	-2.476	-3.732	113.3	0.0	0.0
SNB-Da2	0.0003412	0.5569	-0.09226	0.0000	0.0000	0.0000	-2.478	4.85	113.2	0.0	0.0
SNB-Db1	0.002292	0.4948	-0.005488	0.0000	0.0000	0.0000	-2.607	-4.925	106.7	0.0	0.0
SNB-Db2	8.265e-005	0.4912	-0.08793	0.0000	0.0000	0.0000	-2.61	5.011	106.6	0.0	0.0
SNB-Ea1	0.001869	0.3793	-0.011709	0.0000	0.0000	0.0000	-2.87	-4.594	93.34	0.0	0.0
SNB-Ea2	0.0007456	0.3752	-0.07959	0.0000	0.0000	0.0000	-2.871	5.343	93.26	0.0	0.0
SNB-Eb1	0.0020005	0.3273	-0.003098	0.0000	0.0000	0.0000	-3.001	-4.874	86.66	0.0	0.0
SNB-Eb2	0.0005523	0.3231	-0.07568	0.0000	0.0000	0.0000	-3.002	5.524	86.58	0.0	0.0
SNB-Fa1	0.0003822	0.2543	-0.003559	0.0000	0.0000	0.0000	-3.327	-5.555	70	0.0	0.0
SNB-Fa2	-0.001428	0.2102	-0.06422	0.0000	0.0000	0.0000	-3.332	5.979	69.94	0.0	0.0
SNB-Ga1	0.003745	0.1117	-0.005117	0.0000	0.0000	0.0000	-3.72	-6.338	50.01	0.0	0.0
SNB-Ga2	-0.001129	0.1071	-0.04838	0.0000	0.0000	0.0000	-3.725	6.557	49.95	0.0	0.0
SNB-Ha1	0.004164	0.04297	-0.00455	0.0000	0.0000	0.0000	-4.113	-7.086	30	0.0	0.0
SNB-Ha2	-0.001124	0.03747	-0.0303	0.0000	0.0000	0.0000	-4.118	7.169	29.97	0.0	0.0
SNB-Ia1	0.004895	0.01029	0.001307	0.0000	0.0000	0.0000	-4.506	-7.803	10	0.0	0.0
SNB-Ia2	0.0004238	0.0009101	-0.0107	0.0000	0.0000	0.0000	-4.51	7.814	9.989	0.0	0.0

Joint Support Reactions for Load Case "W1 90 deg":

Label	X (kips)	Y (kips)	Z (kips)	Comp. Usage %	Uplift Usage %	Result. Force (kips)	Usage %	X-Moment (ft-k)	Y-Moment (ft-k)	Z-Moment (ft-k)	Max. Usage %
RohnJP	5.14	0.0	-2.63	0.0	0.0	23.34	0.0	-0.00	0.0	-0.00	0.0
SNB-JP	11.54	0.0	-6.28	0.0	0.0	22.95	0.0	-0.00	0.0	-0.00	0.0
RohnJ1	-8.59	0.0	-17.28	0.0	0.0	161.53	0.0	-0.00	0.0	-0.00	0.0
RohnJ2	3.50	0.0	-8.64	0.0	0.0	225.66	0.0	-0.00	0.0	-0.00	0.0
SNB-J1	-16.67	0.0	-34.96	0.0	0.0	282.75	0.0	-0.00	0.0	-0.00	0.0
SNB-J2	5.07	0.0	-15.24	0.0	0.0	320.99	0.0	-0.00	0.0	-0.00	0.0

Joint Displacements, Loads and Member Forces on Joints for Load Case "W1 90 deg":

Label	X (kips)	Y (kips)	Z (kips)	Member Force (kips)	Member Force (kips)	Member Force (kips)	Disp. (ft)	Disp. (ft)	Disp. (ft)
RohnAP	0.0000	1.8634	-0.7218	0.0000	-1.8634	0.7218	-0.0008	1.3726	-0.0876
RohnBP	0.0000	0.9651	-0.7697	0.0000	-0.9651	0.7697	-0.0014	1.1129	-0.0779
RohnCP	1.1014	-1.1019	-1.1019	-0.0000	-1.1014	1.1019	-0.0018	0.8617	-0.0678
RohnDP	0.0000	4.280	-1.6550	-0.0000	-1.4280	1.6550	-0.0023	0.6291	-0.0577
RohnEP	0.0000	0.9842	-0.9842	-0.0000	-0.9842	0.9842	-0.0027	0.4327	-0.0474
RohnFP	0.0000	0.8193	-1.3516	-0.0000	-0.8193	1.3516	-0.0031	0.2770	-0.0378
RohnGP	0.0000	0.8294	-1.6618	0.0000	-0.8294	1.6618	-0.0035	0.1573	-0.0283
RohnHP	0.0000	0.7570	-1.7804	0.0000	-0.7570	1.7804	-0.0038	0.0710	-0.0189
RohnJP	0.0000	0.7442	-1.8955	0.0000	-0.7442	1.8955	-0.0037	0.0195	-0.0095
SNB-AP	0.0000	0.1755	-0.2594	-0.0000	-0.1755	0.2594	-0.0001	3.704	-0.0618
SNB-BP	0.0000	0.3949	-0.5401	-0.0000	-0.3949	0.5401	-0.0005	1.109	-0.0722
SNB-CP	0.0000	0.5327	-0.6689	-0.0000	-0.5327	0.6689	-0.0011	0.8597	-0.0626
SNB-DP	0.0000	0.6322	-0.8151	-0.0000	-0.6322	0.8151	-0.0015	0.6287	-0.0531
SNB-EP	0.0000	0.6452	-0.9842	-0.0000	-0.6452	0.9842	-0.0019	0.4325	-0.0437
SNB-FP	0.0000	0.7356	-1.3301	-0.0000	-0.7356	1.3301	-0.0023	0.2770	-0.0348
SNB-GP	0.0000	0.8216	-1.6418	-0.0000	-0.8216	1.6418	-0.0027	0.1565	-0.0260
SNB-HP	0.0000	0.7570	-1.7804	-0.0000	-0.7570	1.7804	-0.0030	0.0706	-0.0173
SNB-IP	0.0000	0.7442	-1.8955	-0.0000	-0.7442	1.8955	-0.0030	0.0167	-0.0087
SNB-JP	0.0000	1.5465	-0.9840	-11.5443	5.9023	-17.8342	0.0000	0.0000	0.0000
RohnA1	0.0000	0.3799	-0.7264	0.0000	-1.5465	0.7264	0.0031	3.713	-0.0399
RohnA2	0.0000	0.6291	-0.6291	0.0000	-1.6291	0.6291	0.0005	1.3679	-0.1356
RohnB1	0.0000	0.7063	-0.7049	0.0000	-0.7063	0.7049	0.0031	1.121	-0.0222
RohnB2	0.0000	0.4678	-0.6351	0.0000	-0.4678	0.6351	0.0003	1.079	-0.1333
RohnC1	0.0000	1.0172	-0.9319	0.0000	-1.0172	0.9319	0.0009	0.8615	-0.0079
RohnC2	0.0000	1.0733	-1.0919	0.0000	-1.0733	1.0919	0.0009	0.8569	-0.1275
RohnD1	0.0000	1.4280	-1.4280	0.0000	-1.4280	1.4280	0.0000	0.6308	0.0023
RohnD2	0.0000	1.6550	-1.6550	0.0000	-1.6550	1.6550	0.0000	0.6257	-0.1175
RohnE1	0.0000	0.6452	-0.9842	0.0000	-0.6452	0.9842	0.0024	0.4350	0.0062
RohnE2	0.0000	0.6452	-0.9842	0.0000	-0.6452	0.9842	0.0010	0.4295	-0.1010
RohnF1	0.0000	0.9151	-1.4011	0.0000	-0.9151	1.4011	0.0023	0.2796	0.0089

RohrFZ	0	0.000	0	0.0193	-1	1.3516	0	0.0600	-0	0.6193	1	3516	0	0.0013	0	2738	-0	0.0842
RohrG1	0	0.000	0	0.6018	-1	1.6418	0	0.0600	-0	0.8018	1	6418	0	0.0020	0	1596	-0	0.0092
RohrG2	0	0.000	0	0.8018	-0	0.0000	0	0.0000	-0	0.0000	0	0.0000	0	0.0019	0	1533	-0	0.6657
RohrH1	0	0.000	0	0.7570	-1	1.7804	0	0.0600	-0	0.7570	1	7804	0	0.0030	0	0.738	-0	0.0079
RohrH2	0	0.000	0	0.7570	-1	1.7804	0	0.0600	-0	0.7570	1	7804	0	0.0030	0	0.738	-0	0.0079
RohrI1	0	0.000	0	0.7442	-1	1.8955	0	0.0000	-0	0.7442	1	8955	0	0.0017	0	0.220	-0	0.0036
RohrI2	0	0.000	0	0.7442	-1	1.8955	0	0.0000	-0	0.7442	1	8955	0	0.0017	0	0.220	-0	0.0036
RohrJ1	0	0.000	0	0.3798	-0	0.9840	8	5.8889	16	9018	181	4812	0	0.0000	0	0.0000	0	0.0000
RohrJ2	0	0.000	0	0.3798	-0	0.9840	8	5.8889	16	9018	181	4812	0	0.0000	0	0.0000	0	0.0000
RohrA1	0	0.000	0	1.7555	-0	2.2594	-0	0.0000	-0	1.7555	0	2594	0	0.0013	1	3714	-0	0.0555
RohrA2	0	0.000	0	1.7555	-0	2.2594	-0	0.0000	-0	1.7555	0	2594	0	0.0013	1	3714	-0	0.0555
RohrB1	0	0.000	0	0.3949	-0	0.5401	-0	0.0000	-0	0.3949	0	5401	0	0.0012	1	1121	-0	0.0378
RohrB2	0	0.000	0	0.3949	-0	0.5401	-0	0.0000	-0	0.3949	0	5401	0	0.0012	1	1121	-0	0.0378
RohrC1	0	0.000	0	0.4327	-0	0.6689	-0	0.0000	-0	0.4327	0	6689	0	0.0013	0	8613	-0	0.2222
RohrC2	0	0.000	0	0.4327	-0	0.6689	-0	0.0000	-0	0.4327	0	6689	0	0.0013	0	8613	-0	0.2222
RohrD1	0	0.000	0	0.6322	-0	0.8151	-0	0.0000	-0	0.6322	0	8151	0	0.0013	0	8582	-0	0.1029
RohrD2	0	0.000	0	0.6322	-0	0.8151	-0	0.0000	-0	0.6322	0	8151	0	0.0013	0	8582	-0	0.1029
RohrE1	0	0.000	0	0.6452	-0	0.9842	-0	0.0000	-0	0.6452	0	9842	0	0.0014	0	4346	-0	0.0042
RohrE2	0	0.000	0	0.6452	-0	0.9842	-0	0.0000	-0	0.6452	0	9842	0	0.0014	0	4346	-0	0.0042
RohrF1	0	0.000	0	0.7356	-1	1.3501	-0	0.0000	-0	0.7356	1	3501	0	0.0014	0	2792	-0	0.0919
RohrF2	0	0.000	0	0.7356	-1	1.3501	-0	0.0000	-0	0.7356	1	3501	0	0.0014	0	2792	-0	0.0919
RohrG1	0	0.000	0	0.8018	-1	1.6418	-0	0.0000	-0	0.8018	1	6418	0	0.0015	0	1589	-0	0.0044
RohrG2	0	0.000	0	0.8018	-1	1.6418	-0	0.0000	-0	0.8018	1	6418	0	0.0015	0	1589	-0	0.0044
RohrH1	0	0.000	0	0.7570	-1	1.7804	-0	0.0000	-0	0.7570	1	7804	0	0.0015	0	1540	-0	0.0563
RohrH2	0	0.000	0	0.7570	-1	1.7804	-0	0.0000	-0	0.7570	1	7804	0	0.0015	0	1540	-0	0.0563
RohrI1	0	0.000	0	0.7442	-1	1.8955	-0	0.0000	-0	0.7442	1	8955	0	0.0015	0	1679	-0	0.0398
RohrI2	0	0.000	0	0.7442	-1	1.8955	-0	0.0000	-0	0.7442	1	8955	0	0.0015	0	1679	-0	0.0398
RohrJ1	0	0.000	0	0.3798	-0	0.9840	16	6665	34	5810	283	7717	0	0.0000	0	0.0000	0	0.0000
RohrJ2	0	0.000	0	0.3798	-0	0.9840	16	6665	34	5810	283	7717	0	0.0000	0	0.0000	0	0.0000
RohrA1	0	0.000	0	0.2496	-0	0.2821	-0	0.0000	-0	0.2496	0	2821	-0	0.0009	1	3067	-0	0.0852
RohrA2	0	0.000	0	0.2496	-0	0.2821	-0	0.0000	-0	0.2496	0	2821	-0	0.0009	1	3067	-0	0.0852
RohrB1	0	0.000	0	0.1755	-0	0.2594	-0	0.0000	-0	0.1755	0	2594	-0	0.0012	1	1765	-0	0.0803
RohrB2	0	0.000	0	0.1755	-0	0.2594	-0	0.0000	-0	0.1755	0	2594	-0	0.0012	1	1765	-0	0.0803
RohrC1	0	0.000	0	1.8781	-1	2.857	-0	0.0000	-0	1.8781	1	2557	-0	0.0016	0	9856	-0	0.0729
RohrC2	0	0.000	0	1.8781	-1	2.857	-0	0.0000	-0	1.8781	1	2557	-0	0.0016	0	9856	-0	0.0729
RohrD1	0	0.000	0	0.2194	-0	0.2807	-0	0.0000	-0	0.2194	0	2807	-0	0.0016	0	9204	-0	0.0703
RohrD2	0	0.000	0	0.2194	-0	0.2807	-0	0.0000	-0	0.2194	0	2807	-0	0.0016	0	9204	-0	0.0703
RohrE1	0	0.000	0	1.8248	-1	0.382	-0	0.0000	-0	1.8248	1	0382	-0	0.0019	0	7631	-0	0.0645
RohrE2	0	0.000	0	1.8248	-1	0.382	-0	0.0000	-0	1.8248	1	0382	-0	0.0019	0	7631	-0	0.0645
RohrF1	0	0.000	0	0.3134	-0	0.3862	-0	0.0000	-0	0.3134	0	3862	-0	0.0020	0	7024	-0	0.0640
RohrF2	0	0.000	0	0.3134	-0	0.3862	-0	0.0000	-0	0.3134	0	3862	-0	0.0020	0	7024	-0	0.0640
RohrG1	0	0.000	0	0.3188	-0	0.4270	-0	0.0000	-0	0.3188	0	4270	-0	0.0023	0	5853	-0	0.0542
RohrG2	0	0.000	0	0.3188	-0	0.4270	-0	0.0000	-0	0.3188	0	4270	-0	0.0023	0	5853	-0	0.0542
RohrH1	0	0.000	0	0.3264	-0	0.5573	-0	0.0000	-0	0.3264	0	5573	-0	0.0027	0	3785	-0	0.0442
RohrH2	0	0.000	0	0.3264	-0	0.5573	-0	0.0000	-0	0.3264	0	5573	-0	0.0027	0	3785	-0	0.0442
RohrI1	0	0.000	0	0.4092	-0	0.7129	-0	0.0000	-0	0.4092	0	7129	-0	0.0029	0	2084	-0	0.0330
RohrI2	0	0.000	0	0.4092	-0	0.7129	-0	0.0000	-0	0.4092	0	7129	-0	0.0029	0	2084	-0	0.0330
RohrJ1	0	0.000	0	0.3643	-0	0.8689	-0	0.0000	-0	0.3643	0	8689	-0	0.0033	0	1055	-0	0.0236
RohrJ2	0	0.000	0	0.3643	-0	0.8689	-0	0.0000	-0	0.3643	0	8689	-0	0.0033	0	1055	-0	0.0236
RohrK1	0	0.000	0	0.3798	-0	0.9840	-0	0.0000	-0	0.3798	0	9840	-0	0.0038	0	0.0359	-0	0.0142
RohrK2	0	0.000	0	0.3798	-0	0.9840	-0	0.0000	-0	0.3798	0	9840	-0	0.0038	0	0.0359	-0	0.0142
RohrL1	0	0.000	0	0.1755	-0	0.2594	-0	0.0000	-0	0.1755	0	2594	-0	0.0001	1	3051	-0	0.0794
RohrL2	0	0.000	0	0.1755	-0	0.2594	-0	0.0000	-0	0.1755	0	2594	-0	0.0001	1	3051	-0	0.0794
RohrM1	0	0.000	0	0.2194	-0	0.2807	-0	0.0000	-0	0.2194	0	2807	-0	0.0004	1	1748	-0	0.0746
RohrM2	0	0.000	0	0.2194	-0	0.2807	-0	0.0000	-0	0.2194	0	2807	-0	0.0004	1	1748	-0	0.0746
RohrN1	0	0.000	0	0.2194	-0	0.2807	-0	0.0000	-0	0.2194	0	2807	-0	0.0008	0	9836	-0	0.0674
RohrN2	0	0.000	0	0.2194	-0	0.2807	-0	0.0000	-0	0.2194	0	2807	-0	0.0008	0	9836	-0	0.0674
RohrO1	0	0.000	0	0.3134	-0	0.3862	-0	0.0000	-0	0.3134	0	3862	-0	0.0013	0	7793	-0	0.0504
RohrO2	0	0.000	0	0.3134	-0	0.3862	-0	0.0000	-0	0.3134	0	3862	-0	0.0013	0	7793	-0	0.0504
RohrP1	0	0.000	0	0.3188	-0	0.4270	-0	0.0000	-0	0.3188	0	4270	-0	0.0016	0	5572	-0	0.0499
RohrP2	0	0.000	0	0.3188	-0	0.4270	-0	0.0000	-0	0.3188	0	4270	-0	0.0016	0	5572	-0	0.0499
RohrQ1	0	0.000	0	0.3264	-0	0.5573	-0	0.0000	-0	0.3264	0	5573	-0	0.0019	0	3764	-0	0.0407
RohrQ2	0	0.000	0	0.3264	-0	0.5573	-0	0.0000	-0	0.3264	0	5573	-0	0.0019	0	3764	-0	0.0407
RohrR1	0	0.000	0	0.4092	-0	0.7129	-0	0.0000	-0	0.4092	0	7129	-0	0.0021	0	3240	-0	0.0377
RohrR2	0	0.000	0	0.4092	-0	0.7129	-0	0.0000	-0	0.4092	0	7129	-0	0.0021	0	3240	-0	0.0377
RohrS1	0	0.000	0	0.3643	-0	0.8689	-0	0.0000	-0	0.3643	0	8689	-0	0.0025	0	1052	-0	0.0216
RohrS2	0	0.000	0	0.3643	-0	0.8689	-0	0.0000	-0	0.3643	0	8689	-0	0.0025	0	1052	-0	0.0216
RohrT1	0	0.000	0	0.3798	-0	0.9840	-0	0.0000	-0	0.3798	0	9840	-0	0.0024	0	0.0017	-0	0.0047
RohrT2	0	0.000	0	0.3798	-0	0.9840	-0	0.0000	-0	0.3798	0	9840	-0	0.0024	0	0.0017	-0	0.0047
RohrU1	0	0.000	0	2.6053	-0	2.2605	-0	0.0000	-0	2.6053	0	2605	-0	0.0031	1	3065	-0	0.0348
RohrU2	0	0.000	0	2.2605	-0	2.2605	-0	0.0000	-0	2.2605	0	2605	-0	0.0031	1	3065	-0	0.0348
RohrV1	0	0.000	0	0.2496	-0	0.2496	-0	0.0000	-0	0.2496	0	2496	-0	0.0002	1	3024	-0	0.1354
RohrV2	0	0.000	0	0.2496	-0	0.2496	-0	0.0000	-0	0.2496	0	2496	-0	0.0002	1	3024	-0	0.1354
RohrW1	0	0.000	0	0.2594	-0	0.2594	-0	0.0000	-0	0.2594	0	2594	-0	0.0005	1	2375	-0	0.1349
RohrW2	0	0.000	0	0.2594	-0	0.2594	-0	0.0000	-0	0.2594	0	2594	-0	0.0005	1	2375	-0	0.1349
RohrX1	0	0.000	0	0.1755	-0	0.1755	-0	0.0000	-0	0.1755	0	1755	-0	0.0003	1	1765	-0	0.0262
RohrX2	0</																	

RohnBc2	0.0000	0.2194	-0.2807	0.0000	-0.2194	0.2807	-0.0005	0.9177	-0.1295
RohnCg1	0.0000	0.8376	-1.0382	0.0000	-1.8376	0.0382	0.0027	0.7820	-0.0039
RohnCg2	0.0000	1.8248	-1.0382	0.0000	-1.8246	0.0004	0.0094	0.7773	-0.1248
RohnCg3	0.0000	0.3134	-0.3882	0.0000	-0.3134	0.3882	0.0031	0.7046	-0.0005
RohnCg4	0.0000	0.1134	-0.3882	0.0000	-0.1134	0.3882	0.0000	0.6997	-0.1315
RohnDg1	0.0000	0.4477	-0.4720	0.0000	-0.4477	0.6720	0.0028	0.5669	-0.0043
RohnDg2	0.0000	0.3186	-0.4720	0.0000	-0.3186	0.4270	0.0003	0.5558	-0.1127
RohnDg3	0.0000	0.3675	-0.3675	0.0000	-0.3675	0.5020	0.0030	0.4953	-0.0056
RohnDg4	0.0000	0.3188	-0.4270	0.0000	-0.3188	0.4270	0.0001	0.4902	-0.1071
RohnEg1	0.0000	0.3264	-0.5573	0.0000	-0.3264	0.5573	0.0028	0.3786	-0.0075
RohnEg2	0.0000	0.3264	-0.5573	0.0000	-0.3264	0.5573	0.0006	0.3742	-0.0959
RohnEg3	0.0000	0.3723	-0.6323	0.0000	-0.3723	0.6323	0.0029	0.3277	-0.0084
RohnEg4	0.0000	0.3264	-0.5573	0.0000	-0.3264	0.5573	0.0005	0.3221	-0.0903
RohnFg1	0.0000	0.4092	-0.7729	0.0000	-0.4092	0.7729	-0.0012	0.2094	-0.0754
RohnFg2	0.0000	0.3926	-0.8689	0.0000	-0.3926	0.8689	-0.0043	0.1124	-0.0089
RohnGg1	0.0000	0.3926	-0.8689	0.0000	-0.3926	0.8689	-0.0010	0.1062	-0.0560
RohnHg1	0.0000	0.3643	-0.9115	0.0000	-0.3643	0.9115	0.0045	0.0436	-0.0061
RohnHg2	0.0000	0.3798	-0.9840	0.0000	-0.3798	0.9840	0.0051	0.0111	-0.0017
RohnIg1	0.0000	0.3798	-0.9840	0.0000	-0.3798	0.9840	0.0009	0.0003	-0.0118
RohnIg2	0.0000	0.1755	-0.2594	0.0000	-0.1755	0.2594	0.0014	1.3065	-0.0599
RohnKg1	0.0000	0.1755	-0.2594	0.0000	-0.1755	0.2594	0.0012	1.2412	-0.0464
RohnKg2	0.0000	0.1755	-0.2594	0.0000	-0.1755	0.2594	0.0015	1.2392	-0.1075
RohnKg3	0.0000	0.1755	-0.2594	0.0000	-0.1755	0.2594	0.0015	1.1765	-0.0420
RohnKg4	0.0000	0.1755	-0.2594	0.0000	-0.1755	0.2594	0.0009	1.1741	-0.1070
RohnBg1	0.0000	0.2194	-0.2807	0.0000	-0.2194	0.2807	0.0015	0.0483	-0.0337
RohnBg2	0.0000	0.2194	-0.2807	0.0000	-0.2194	0.2807	0.0009	1.0457	-0.1058
RohnBg3	0.0000	0.2194	-0.2807	0.0000	-0.2194	0.2807	0.0012	0.9849	-0.0296
RohnBg4	0.0000	0.2194	-0.2807	0.0000	-0.2194	0.2807	0.0013	0.9821	-0.1050
RohnBg5	0.0000	0.2194	-0.2807	0.0000	-0.2194	0.2807	0.0015	0.9224	-0.0258
RohnBg6	0.0000	0.2194	-0.2807	0.0000	-0.2194	0.2807	0.0009	0.9196	-0.1041
RohnBg7	0.0000	0.3134	-0.3882	0.0000	-0.3134	0.3882	0.0017	0.7816	-0.0176
RohnBg8	0.0000	0.3134	-0.3882	0.0000	-0.3134	0.3882	0.0006	0.7785	-0.1011
RohnBg9	0.0000	0.3134	-0.3882	0.0000	-0.3134	0.3882	0.0019	0.7033	-0.0136
RohnBg10	0.0000	0.3134	-0.3882	0.0000	-0.3134	0.3882	0.0005	0.7011	-0.0387
RohnBg11	0.0000	0.3188	-0.4270	0.0000	-0.3188	0.4270	0.0029	0.5604	-0.0074
RohnBg12	0.0000	0.3188	-0.4270	0.0000	-0.3188	0.4270	0.0003	0.5569	-0.0823
RohnBg13	0.0000	0.3188	-0.4270	0.0000	-0.3188	0.4270	0.0023	0.4948	-0.0055
RohnBg14	0.0000	0.3188	-0.4270	0.0000	-0.3188	0.4270	0.0001	0.4912	-0.0879
RohnBg15	0.0000	0.3264	-0.5573	0.0000	-0.3264	0.5573	0.0018	0.3793	-0.0017
RohnBg16	0.0000	0.3264	-0.5573	0.0000	-0.3264	0.5573	0.0007	0.3752	-0.0796
RohnBg17	0.0000	0.3264	-0.5573	0.0000	-0.3264	0.5573	0.0020	0.3273	-0.0003
RohnBg18	0.0000	0.4092	-0.7729	0.0000	-0.4092	0.7729	0.0006	0.3231	-0.0757
RohnBg19	0.0000	0.4092	-0.7729	0.0000	-0.4092	0.7729	-0.0014	0.2102	-0.0642
RohnBg20	0.0000	0.3926	-0.8689	0.0000	-0.3926	0.8689	0.0037	0.1117	-0.0051
RohnBg21	0.0000	0.3926	-0.8689	0.0000	-0.3926	0.8689	-0.0011	0.1071	-0.0484
RohnBg22	0.0000	0.3643	-0.9115	0.0000	-0.3643	0.9115	0.0042	0.0430	-0.0043
RohnBg23	0.0000	0.3643	-0.9115	0.0000	-0.3643	0.9115	-0.0011	0.0375	-0.0303
RohnBg24	0.0000	0.3798	-0.9840	0.0000	-0.3798	0.9840	0.0049	0.0103	-0.0013
RohnBg25	0.0000	0.3798	-0.9840	0.0000	-0.3798	0.9840	0.0004	0.0003	-0.0107

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)
RehnpP	-0.001614	-0.00143	-0.00065	0.0000	0.0000	0.0000	4.331	-0.00143	179.9
RehnpE	-0.001989	-0.001035	-0.07276	0.0000	0.0000	0.0000	5.119	-0.001035	159.9
RehnpC	-0.002335	-0.000703	-0.06433	0.0000	0.0000	0.0000	5.907	-0.000703	139.9
RehnpB	-0.002642	-0.000467	-0.05549	0.0000	0.0000	0.0000	6.692	-0.000467	119.9
RehnpD	-0.002935	-0.000291	-0.04622	0.0000	0.0000	0.0000	7.478	-0.000291	99.95
RehnpF	-0.003235	-0.000158	-0.03712	0.0000	0.0000	0.0000	8.265	-0.000158	79.96
RehnpG	-0.003537	-0.000005	-0.02799	0.0000	0.0000	0.0000	9.051	-0.000005	59.97
RehnpH	-0.003794	-0.000005	-0.01885	0.0000	0.0000	0.0000	9.837	-0.000005	39.98
RehnpI	-0.003666	-0.000006	-0.009451	0.0000	0.0000	0.0000	10.63	-0.000006	19.99
RehnpJ	0.000000	0.000000	0.000000	0.0000	0.0000	0.0000	11.42	0.000000	0.000000
RehnpK	-0.0008256	-0.001427	-0.07497	0.0000	0.0000	0.0000	2.332	-0.001427	179.9
RehnpL	-0.001201	-0.001016	-0.06706	0.0000	0.0000	0.0000	3.12	-0.001016	159.9
RehnpM	-0.001548	-0.000704	-0.05903	0.0000	0.0000	0.0000	3.906	-0.000704	139.9
RehnpN	-0.001857	-0.000465	-0.05083	0.0000	0.0000	0.0000	4.693	-0.000465	119.9
RehnpO	-0.002152	-0.000282	-0.04239	0.0000	0.0000	0.0000	5.479	-0.000282	99.96
RehnpP	-0.002459	-0.000154	-0.03413	0.0000	0.0000	0.0000	6.266	-0.000154	79.97
RehnpQ	-0.002756	-0.000005	-0.02577	0.0000	0.0000	0.0000	7.052	-0.000005	59.97
RehnpR	-0.003014	-0.000005	-0.01725	0.0000	0.0000	0.0000	7.838	-0.000005	39.98
RehnpS	-0.002688	-0.000006	-0.008636	0.0000	0.0000	0.0000	8.625	-0.000006	19.99
RehnpT	0.000000	0.000000	0.000000	0.0000	0.0000	0.0000	9.415	0.000000	0.000000
RehnpU	0.0009341	0.0002898	-0.08091	0.0000	0.0000	0.0000	-2.166	0.0002898	-3.752
RehnpV	0.001018	0.0007207	-0.07282	0.0000	0.0000	0.0000	-2.559	0.0007207	-4.434
RehnpW	0.001123	0.001293	-0.06435	0.0000	0.0000	0.0000	-2.953	0.001293	-5.116
RehnpX	0.001126	0.002702	-0.06421	0.0000	0.0000	0.0000	-2.953	0.002702	-5.115
RehnpY	0.00126	0.001788	-0.05356	0.0000	0.0000	0.0000	-3.346	0.001788	-5.796
RehnpZ	0.001259	0.00272	-0.05543	0.0000	0.0000	0.0000	-3.346	0.00272	-5.795
Rehnp1	0.001424	0.002325	-0.04627	0.0000	0.0000	0.0000	-3.739	0.002325	-6.477
Rehnp2	0.001424	0.002799	-0.04616	0.0000	0.0000	0.0000	-3.739	0.002799	-6.476
Rehnp3	0.001592	0.002628	-0.03717	0.0000	0.0000	0.0000	-4.132	0.002628	-7.158
Rehnp4	0.001593	0.002946	-0.03709	0.0000	0.0000	0.0000	-4.132	0.002946	-7.157
Rehnp5	0.001756	0.002976	-0.02693	0.0000	0.0000	0.0000	-4.526	0.002976	-7.839
Rehnp6	0.001756	0.003134	-0.02797	0.0000	0.0000	0.0000	-4.526	0.003134	-7.839
Rehnp7	0.001892	0.003253	-0.01887	0.0000	0.0000	0.0000	-4.919	0.003253	-8.519
Rehnp8	0.001892	0.003313	-0.01883	0.0000	0.0000	0.0000	-4.919	0.003313	-8.519
Rehnp9	0.001829	0.003175	-0.009459	0.0000	0.0000	0.0000	-5.313	0.003175	-9.203
Rehnp10	0.001829	0.003175	-0.009445	0.0000	0.0000	0.0000	-5.313	0.003175	-9.203
Rehnp11	0.000000	0.000000	0.000000	0.0000	0.0000	0.0000	-5.71	0.000000	-9.889
Rehnp12	0.0005387	-0.0006396	-0.075	0.0000	0.0000	0.0000	-5.71	0.0005387	-9.889
Rehnp13	0.0053389	-0.002215	-0.07492	0.0000	0.0000	0.0000	-1.166	0.0053389	-2.021
Rehnp14	0.006238	0.002609	-0.0671	0.0000	0.0000	0.0000	-1.56	0.006238	2.018
Rehnp15	0.006238	0.002609	-0.0671	0.0000	0.0000	0.0000	-1.56	0.006238	2.018
Rehnp16	0.007311	0.0007311	-0.05907	0.0000	0.0000	0.0000	-1.953	0.007311	2.701
Rehnp17	0.007311	0.0007311	-0.05907	0.0000	0.0000	0.0000	-1.953	0.007311	2.701
Rehnp18	0.008682	0.001104	-0.05087	0.0000	0.0000	0.0000	-2.347	0.008682	3.384
Rehnp19	0.008682	0.001104	-0.05087	0.0000	0.0000	0.0000	-2.347	0.008682	3.382
Rehnp20	0.001033	0.001556	-0.04643	0.0000	0.0000	0.0000	-2.739	0.001033	4.064
Rehnp21	0.001033	0.001556	-0.04643	0.0000	0.0000	0.0000	-2.739	0.001033	4.064
Rehnp22	0.001201	0.002199	-0.03416	0.0000	0.0000	0.0000	-3.133	0.001201	4.745
Rehnp23	0.001201	0.002199	-0.03416	0.0000	0.0000	0.0000	-3.133	0.001201	4.745
Rehnp24	0.001365	0.002591	-0.02573	0.0000	0.0000	0.0000	-3.526	0.001365	5.426
Rehnp25	0.001365	0.002591	-0.02573	0.0000	0.0000	0.0000	-3.526	0.001365	5.426
Rehnp26	0.001502	0.002577	-0.01726	0.0000	0.0000	0.0000	-3.919	0.001502	6.107
Rehnp27	0.001502	0.002577	-0.01726	0.0000	0.0000	0.0000	-3.919	0.001502	6.107
Rehnp28	0.001439	0.002488	-0.008642	0.0000	0.0000	0.0000	-4.313	0.001439	6.788
Rehnp29	0.001439	0.002488	-0.008642	0.0000	0.0000	0.0000	-4.313	0.001439	6.788
Rehnp30	0.000000	0.000000	0.000000	0.0000	0.0000	0.0000	-4.708	0.000000	-7.47
Rehnp31	0.000000	0.000000	0.000000	0.0000	0.0000	0.0000	-4.708	0.000000	-7.47
Rehnp32	-0.001675	-0.001315	-0.07885	0.0000	0.0000	0.0000	4.528	-0.001315	8.154
Rehnp33	-0.001802	-0.001209	-0.07685	0.0000	0.0000	0.0000	4.725	-0.001209	8.154
Rehnp34	-0.001842	-0.001106	-0.07481	0.0000	0.0000	0.0000	4.922	-0.001106	8.154
Rehnp35	-0.002008	-0.0009249	-0.07069	0.0000	0.0000	0.0000	5.316	-0.0009249	8.154

RohnB5S	-0.002179	-0.0008472	-0.06861	0.0000	0.0000	0.0000	0.0000	5.513	-0.0008472	149.9
RohnB5E	-0.002158	-0.0007715	-0.06646	0.0000	0.0000	0.0000	0.0000	5.71	-0.0007715	144.9
RohnCAS	-0.002341	-0.0006193	-0.06141	0.0000	0.0000	0.0000	0.0000	6.168	-0.0006193	133.3
RohnC5S	-0.002423	-0.0005383	-0.05845	0.0000	0.0000	0.0000	0.0000	6.431	-0.0005383	126.6
RohnD5S	-0.002602	-0.0003957	-0.05242	0.0000	0.0000	0.0000	0.0000	6.954	-0.0003957	113.3
RohnE5S	-0.002689	-0.0003309	-0.04633	0.0000	0.0000	0.0000	0.0000	7.217	-0.0003309	106.6
RohnE5E	-0.0027345	-0.0002345	-0.0432	0.0000	0.0000	0.0000	0.0000	7.74	-0.0002345	93.3
RohnE5B	-0.003036	-0.0001937	-0.04016	0.0000	0.0000	0.0000	0.0000	8.003	-0.0001937	86.62
RohnF5S	-0.003023	-0.0001067	-0.03256	0.0000	0.0000	0.0000	0.0000	8.658	-0.0001067	69.97
RohnG5S	-0.003377	-4.898e-005	-0.02343	0.0000	0.0000	0.0000	0.0000	9.445	-4.898e-005	49.96
RohnH5S	-0.003884	-1.186e-005	-0.01419	0.0000	0.0000	0.0000	0.0000	10.23	-1.186e-005	29.99
RohnI5S	-0.004162	8.313e-007	-0.005034	0.0000	0.0000	0.0000	0.0000	11.02	8.313e-007	9.995
RohnA5S	-0.0008869	-0.001316	-0.07301	0.0000	0.0000	0.0000	0.0000	2.529	-0.001316	174.9
RohnA5E	-0.001014	-0.001209	-0.07104	0.0000	0.0000	0.0000	0.0000	2.726	-0.001209	169.9
RohnA5B	-0.001054	-0.001106	-0.06905	0.0000	0.0000	0.0000	0.0000	2.923	-0.001106	164.9
RohnB5S	-0.00122	-0.000927	-0.06506	0.0000	0.0000	0.0000	0.0000	3.317	-0.000927	154.9
RohnB5E	-0.001391	-0.0008493	-0.06306	0.0000	0.0000	0.0000	0.0000	3.513	-0.0008493	149.9
RohnB5B	-0.001371	-0.0007722	-0.06105	0.0000	0.0000	0.0000	0.0000	3.71	-0.0007722	144.9
RohnC5S	-0.001555	-0.0006167	-0.05631	0.0000	0.0000	0.0000	0.0000	4.169	-0.0006167	133.3
RohnC5E	-0.001644	-0.0005368	-0.05357	0.0000	0.0000	0.0000	0.0000	4.631	-0.0005368	126.6
RohnD5S	-0.001817	-0.0003942	-0.04804	0.0000	0.0000	0.0000	0.0000	4.955	-0.0003942	113.3
RohnD5E	-0.001906	-0.0003324	-0.04521	0.0000	0.0000	0.0000	0.0000	5.217	-0.0003324	106.6
RohnE5S	-0.002169	-0.0002351	-0.03965	0.0000	0.0000	0.0000	0.0000	5.741	-0.0002351	93.3
RohnE5E	-0.002253	-0.0001942	-0.03689	0.0000	0.0000	0.0000	0.0000	6.004	-0.0001942	86.62
RohnF5S	-0.002241	-0.0001097	-0.02991	0.0000	0.0000	0.0000	0.0000	6.659	-0.0001097	69.97
RohnG5S	-0.002396	-4.734e-005	-0.02148	0.0000	0.0000	0.0000	0.0000	7.445	-4.734e-005	49.98
RohnH5S	-0.003103	-1.222e-005	-0.01299	0.0000	0.0000	0.0000	0.0000	8.231	-1.222e-005	29.99
RohnH5E	-0.00338	7.1e-007	-0.004693	0.0000	0.0000	0.0000	0.0000	9.016	7.1e-007	9.995
RohnI5S	-0.0009372	0.0001918	-0.07892	0.0000	0.0000	0.0000	0.0000	-2.264	-3.923	174.9
RohnI5E	-0.0009391	0.0002825	-0.07874	0.0000	0.0000	0.0000	0.0000	-2.363	-4.093	169.9
RohnA51	0.0009741	0.0003916	-0.07691	0.0000	0.0000	0.0000	0.0000	-2.363	4.091	169.9
RohnA52	0.0009975	-0.002811	-0.07673	0.0000	0.0000	0.0000	0.0000	-2.461	4.264	164.9
RohnA51	0.000965	0.0005149	-0.07487	0.0000	0.0000	0.0000	0.0000	-2.461	4.262	164.9
RohnA52	0.0009685	-0.002732	-0.07469	0.0000	0.0000	0.0000	0.0000	-2.461	4.605	154.9
RohnB51	0.001003	0.0006126	-0.07074	0.0000	0.0000	0.0000	0.0000	-2.658	4.603	154.9
RohnB52	0.001007	-0.0003287	-0.07058	0.0000	0.0000	0.0000	0.0000	-2.658	4.775	149.9
RohnB51	0.001073	-0.001193	-0.06666	0.0000	0.0000	0.0000	0.0000	-2.756	4.773	149.9
RohnB52	0.001074	-0.002176	-0.06951	0.0000	0.0000	0.0000	0.0000	-2.756	4.946	144.9
RohnC51	0.001047	-0.001078	-0.06651	0.0000	0.0000	0.0000	0.0000	-2.855	4.944	144.9
RohnC52	0.00105	-0.002626	-0.06436	0.0000	0.0000	0.0000	0.0000	-2.855	5.343	133.3
RohnC51	0.001115	0.001379	-0.06147	0.0000	0.0000	0.0000	0.0000	-3.084	5.341	133.3
RohnC52	0.001115	-0.002618	-0.06133	0.0000	0.0000	0.0000	0.0000	-3.084	5.569	126.6
RohnD51	0.001154	0.001154	-0.05852	0.0000	0.0000	0.0000	0.0000	-3.215	5.569	126.6
RohnD52	0.001155	-0.00261	-0.05838	0.0000	0.0000	0.0000	0.0000	-3.215	6.023	113.3
RohnD51	0.001244	0.001825	-0.0525	0.0000	0.0000	0.0000	0.0000	-3.477	6.022	113.3
RohnD52	0.001245	-0.002619	-0.05237	0.0000	0.0000	0.0000	0.0000	-3.477	6.249	106.6
RohnE51	0.001299	0.001966	-0.04938	0.0000	0.0000	0.0000	0.0000	-3.608	6.249	106.6
RohnE52	0.001299	-0.002625	-0.04926	0.0000	0.0000	0.0000	0.0000	-3.608	6.703	93.3
RohnE51	0.001438	0.002288	-0.04376	0.0000	0.0000	0.0000	0.0000	-3.87	6.703	93.3
RohnE52	0.001486	-0.002711	-0.04316	0.0000	0.0000	0.0000	0.0000	-3.87	6.931	86.62
RohnE51	0.001486	0.002415	-0.04023	0.0000	0.0000	0.0000	0.0000	-4.001	6.931	86.62
RohnE52	0.001488	-0.002587	-0.04012	0.0000	0.0000	0.0000	0.0000	-4.001	7.499	69.97
RohnF51	0.001491	0.002493	-0.0326	0.0000	0.0000	0.0000	0.0000	-4.329	7.498	69.97
RohnF52	0.001497	-0.002172	-0.03254	0.0000	0.0000	0.0000	0.0000	-4.329	8.179	49.96
RohnG51	0.001678	0.002869	-0.02346	0.0000	0.0000	0.0000	0.0000	-4.722	8.179	49.96
RohnG52	0.001682	-0.00297	-0.02341	0.0000	0.0000	0.0000	0.0000	-4.722	8.861	29.99
RohnH51	0.001938	0.003347	-0.01421	0.0000	0.0000	0.0000	0.0000	-5.116	8.861	29.99
RohnH52	0.001941	-0.003377	-0.01418	0.0000	0.0000	0.0000	0.0000	-5.116	9.543	9.995
RohnI51	0.00308	0.005335	-0.005031	0.0000	0.0000	0.0000	0.0000	-5.509	9.543	9.995
RohnI52	0.003082	-0.005337	-0.005031	0.0000	0.0000	0.0000	0.0000	-5.509	2.192	174.9
RohnA51	0.0005417	-0.0004903	-0.07301	0.0000	0.0000	0.0000	0.0000	-1.264	2.189	174.9
RohnA52	0.0005429	-0.003143	-0.07295	0.0000	0.0000	0.0000	0.0000	-1.264	2.362	169.9
RohnB51	0.0005719	-0.0002908	-0.07107	0.0000	0.0000	0.0000	0.0000	-1.363	2.362	169.9
RohnB52	0.0005719	-0.002129	-0.07098	0.0000	0.0000	0.0000	0.0000	-1.363	2.36	169.9
RohnC51	0.0005713	-0.0002605	-0.06909	0.0000	0.0000	0.0000	0.0000	-1.461	2.53	164.9
RohnC52	0.0005745	-0.0001998	-0.06899	0.0000	0.0000	0.0000	0.0000	-1.461	2.873	154.9
RohnD51	0.0006105	0.0001285	-0.0651	0.0000	0.0000	0.0000	0.0000	-1.658	2.871	154.9
RohnD52	0.0006131	-0.001988	-0.065	0.0000	0.0000	0.0000	0.0000	-1.658	3.043	149.9
RohnE51	0.0006801	0.0003471	-0.0631	0.0000	0.0000	0.0000	0.0000	-1.757	3.042	149.9
RohnE52	0.0006804	-0.002044	-0.0631	0.0000	0.0000	0.0000	0.0000	-1.757	3.214	144.9
RohnF51	0.0006553	0.0003965	-0.06108	0.0000	0.0000	0.0000	0.0000	-1.855	3.212	144.9
RohnF52	0.0006553	-0.001944	-0.06099	0.0000	0.0000	0.0000	0.0000	-1.855		

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

Label	X (kips)	Y (kips)	Z Comp. Usage %	Uplift Result	Force (kips)	Result Usage %	X-Moment (ft-k)	Y-Moment (ft-k)	Z-Moment (ft-k)	Max. Usage %
SNB-Ca1	0.0007216	0.0006973	-0.05635	0	0.000	0.000	0.000	-2.084	-3.611	133.3
SNB-Ca2	0.0007242	-0.05626	0.000	0	0.000	0.000	-2.084	3.609	133.3	0.0
SNB-Cb1	0.0007607	-0.05361	0.000	0	0.000	0.000	-2.216	-3.838	126.6	0.0
SNB-Cb2	0.0007637	-0.05352	0.000	0	0.000	0.000	-2.216	3.837	126.6	0.0
SNB-Da1	0.000851	0.001146	-0.04808	0	0.000	0.000	-2.478	-4.292	113.3	0.0
SNB-Da2	0.0008536	-0.001939	-0.04808	0	0.000	0.000	-2.478	4.291	113.3	0.0
SNB-Db1	0.0009015	0.001287	-0.04525	0	0.000	0.000	-2.609	-4.516	106.6	0.0
SNB-Db2	0.0009045	-0.001957	-0.04517	0	0.000	0.000	-2.609	4.516	106.6	0.0
SNB-Ea1	0.001046	0.001662	-0.03969	0	0.000	0.000	-2.87	-4.972	93.3	0.0
SNB-Ea2	0.001048	-0.002093	-0.03963	0	0.000	0.000	-2.87	4.972	93.3	0.0
SNB-Eb1	0.001095	0.001738	-0.03692	0	0.000	0.000	-3.002	-5.199	86.62	0.0
SNB-Eb2	0.001097	-0.002129	-0.03686	0	0.000	0.000	-3.002	5.199	86.62	0.0
SNB-Fa1	0.0011	0.001816	-0.02394	0	0.000	0.000	-3.33	-5.767	69.97	0.0
SNB-Fa2	0.001105	-0.002094	-0.02399	0	0.000	0.000	-3.33	5.767	69.97	0.0
SNB-Ga1	0.001288	0.002192	-0.0215	0	0.000	0.000	-3.723	-6.448	49.98	0.0
SNB-Ga2	0.001292	-0.002294	-0.02147	0	0.000	0.000	-3.723	6.448	49.98	0.0
SNB-Ha1	0.001548	0.002671	-0.013	0	0.000	0.000	-4.116	-7.129	29.99	0.0
SNB-Ha2	0.001551	-0.002701	-0.01298	0	0.000	0.000	-4.116	7.129	29.99	0.0
SNB-Ia1	0.002689	0.004658	-0.004696	0	0.000	0.000	-4.508	-7.808	9.995	0.0
SNB-Ia2	0.002691	-0.004665	-0.004691	0	0.000	0.000	-4.508	7.808	9.995	0.0

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

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)	
RchmJF	4.99	0.0	-0.00	0.0	22.63	0.0	0.0	23.17	0.0	-0.00
RchmJP	11.40	0.0	-0.00	0.0	18.81	0.0	0.0	21.99	0.0	-0.00
RchmJ1	-2.99	0.0	-4.32	0.0	22.75	0.0	0.0	23.29	0.0	-0.00
RchmJ2	-2.50	0.0	4.32	0.0	22.56	0.0	0.0	23.10	0.0	-0.00
SNB-V1	-5.70	0.0	-9.88	0.0	18.95	0.0	0.0	22.12	0.0	-0.00
SNB-V2	-5.70	0.0	9.87	0.0	18.71	0.0	0.0	21.91	0.0	-0.00

Joint X External Z External X Member Y Member Z Member Force Usage Moment (ft-k) X-Moment (ft-k) Y-Moment (ft-k) Z-Moment (ft-k) Max. Usage %

Label	X (kips)	Y (kips)	Z (kips)	X (kips)	Y (kips)	Z (kips)	X (ft-k)	Y (ft-k)	Z (ft-k)	Max. Usage %
RchmBP	0.0000	0.0000	-0.7218	0.0000	-0.0000	0.7218	-0.0016	-0.0014	-0.0508	0.0
RchmBP	0.0000	0.0000	-0.7697	0.0000	-0.0000	0.7697	-0.0020	-0.0019	-0.0728	0.0
RchmCP	0.0000	-1.1019	0.0000	-0.0000	0.0000	1.1019	-0.0023	-0.0007	-0.0643	0.0
RchmDP	0.0000	-1.6550	0.0000	-0.0000	0.0000	1.6550	-0.0026	-0.0005	-0.0555	0.0
RchmEP	0.0000	-0.9842	0.0000	-0.0000	0.0000	0.9842	-0.0029	-0.0003	-0.0462	0.0
RchmFP	0.0000	-1.3516	0.0000	-0.0000	0.0000	1.3516	-0.0032	-0.0002	-0.0371	0.0
RchmGP	0.0000	-1.6618	0.0000	-0.0000	0.0000	1.6618	-0.0035	-0.0001	-0.0280	0.0
RchmHP	0.0000	-1.7804	0.0000	-0.0000	0.0000	1.7804	-0.0038	-0.0000	-0.0188	0.0
RchmIP	0.0000	-1.8955	0.0000	-0.0000	0.0000	1.8955	-0.0037	-0.0000	-0.0095	0.0
RchmJP	0.0000	-0.9840	-4.9887	0.0000	-0.0000	4.9887	-0.0008	-0.0000	0.0000	0.0
SNB-AP	0.0000	-0.2594	0.0000	-0.0000	0.0000	0.2594	-0.0008	-0.0014	-0.0750	0.0
SNB-BP	0.0000	-0.5401	0.0000	-0.0000	0.0000	0.5401	-0.0012	-0.0010	-0.0671	0.0
SNB-CP	0.0000	-0.6689	0.0000	-0.0000	0.0000	0.6689	-0.0015	-0.0007	-0.0590	0.0
SNB-DP	0.0000	-0.8151	0.0000	-0.0000	0.0000	0.8151	-0.0019	-0.0005	-0.0508	0.0
SNB-EP	0.0000	-0.9842	0.0000	-0.0000	0.0000	0.9842	-0.0022	-0.0003	-0.0424	0.0
SNB-FP	0.0000	-1.3301	0.0000	-0.0000	0.0000	1.3301	-0.0025	-0.0002	-0.0341	0.0
SNB-GP	0.0000	-1.6418	0.0000	-0.0000	0.0000	1.6418	-0.0028	-0.0001	-0.0257	0.0
SNB-HP	0.0000	-1.7804	0.0000	-0.0000	0.0000	1.7804	-0.0030	-0.0000	-0.0172	0.0
SNB-IP	0.0000	-1.8955	0.0000	-0.0000	0.0000	1.8955	-0.0030	-0.0000	-0.0086	0.0
SNB-JP	0.0000	-0.9840	-11.4926	0.0017	-0.0000	11.4926	-0.0000	0.0000	0.0000	0.0
RchmK1	0.0000	-0.7264	0.0000	-0.0000	0.0000	0.7264	-0.0009	0.0000	0.0000	0.0
RchmK2	0.0000	-0.6992	0.0000	-0.0000	0.0000	0.6992	-0.0009	-0.0009	-0.0807	0.0
RchmK3	0.0000	-0.7049	0.0000	-0.0000	0.0000	0.7049	-0.0010	0.0007	-0.0728	0.0
RchmK4	0.0000	-0.6351	0.0000	-0.0000	0.0000	0.6351	-0.0010	-0.0008	-0.0726	0.0
RchmK5	0.0000	-0.9319	0.0000	-0.0000	0.0000	0.9319	-0.0011	-0.0013	-0.0644	0.0
RchmK6	0.0000	-1.0919	0.0000	-0.0000	0.0000	1.0919	-0.0011	-0.0007	-0.0542	0.0
RchmK7	0.0000	-1.6550	0.0000	-0.0000	0.0000	1.6550	-0.0013	-0.0018	-0.0556	0.0
RchmK8	0.0000	-1.6550	0.0000	-0.0000	0.0000	1.6550	-0.0013	-0.0007	-0.0554	0.0
RchmK9	0.0000	-0.9842	0.0000	-0.0000	0.0000	0.9842	-0.0014	-0.0022	-0.0463	0.0
RchmK0	0.0000	-0.9842	0.0000	-0.0000	0.0000	0.9842	-0.0014	-0.0008	-0.0462	0.0
RchmK1	0.0000	-1.4011	0.0000	-0.0000	0.0000	1.4011	-0.0016	-0.0026	-0.0372	0.0

RohnBc2	0.0000	0.0000	-0.2807	0.0000	-0.0000	0.2807	0.0010	-0.0026	-0.0664
RohnCa1	0.0000	0.0000	-1.0382	0.0000	-0.0000	1.0382	0.0011	0.0014	-0.0615
RohnCa2	0.0000	0.0000	-1.0382	0.0000	-0.0000	1.0382	0.0011	-0.0026	-0.0613
RohnCl1	0.0000	0.0000	-0.3882	0.0000	-0.0000	0.3882	0.0012	0.0015	-0.0565
RohnCl2	0.0000	0.0000	-0.3882	0.0000	-0.0000	0.3882	0.0012	-0.0026	-0.0584
RohnDa1	0.0000	0.0000	-0.6720	0.0000	-0.0000	0.6720	0.0012	0.0018	-0.0525
RohnDa2	0.0000	0.0000	-0.4270	0.0000	-0.0000	0.4270	0.0012	-0.0026	-0.0524
RohnDb1	0.0000	0.0000	-0.5020	0.0000	-0.0000	0.5020	0.0013	0.0020	-0.0494
RohnDb2	0.0000	0.0000	-0.4270	0.0000	-0.0000	0.4270	0.0013	-0.0026	-0.0493
RohnEa1	0.0000	0.0000	-0.5573	0.0000	-0.0000	0.5573	0.0014	0.0023	-0.0433
RohnEa2	0.0000	0.0000	-0.5573	0.0000	-0.0000	0.5573	0.0014	-0.0028	-0.0432
RohnEb1	0.0000	0.0000	-0.6323	0.0000	-0.0000	0.6323	0.0015	0.0024	-0.0402
RohnEb2	0.0000	0.0000	-0.6323	0.0000	-0.0000	0.6323	0.0015	-0.0028	-0.0401
RohnFa1	0.0000	0.0000	-0.5573	0.0000	-0.0000	0.5573	0.0015	0.0025	-0.0326
RohnFa2	0.0000	0.0000	-0.7729	0.0000	-0.0000	0.7729	0.0015	-0.0027	-0.0325
RohnGa2	0.0000	0.0000	-0.8689	0.0000	-0.0000	0.8689	0.0017	0.0029	-0.0235
RohnGa1	0.0000	0.0000	-0.8689	0.0000	-0.0000	0.8689	0.0017	-0.0030	-0.0234
RohnHa1	0.0000	0.0000	-0.9115	0.0000	-0.0000	0.9115	0.0019	0.0034	-0.0142
RohnHa2	0.0000	0.0000	-0.9115	0.0000	-0.0000	0.9115	0.0019	-0.0034	-0.0142
RohnI11	0.0000	0.0000	-0.9840	0.0000	-0.0000	0.9840	0.0031	0.0053	-0.0050
RohnI12	0.0000	0.0000	-0.9840	0.0000	-0.0000	0.9840	0.0031	-0.0053	-0.0050
RohnPa1	0.0000	0.0000	-0.2594	0.0000	-0.0000	0.2594	0.0005	-0.0005	-0.0730
RohnPa2	0.0000	0.0000	-0.2594	0.0000	-0.0000	0.2594	0.0005	0.0005	-0.0730
RohnPb1	0.0000	0.0000	-0.2594	0.0000	-0.0000	0.2594	0.0006	-0.0003	-0.0711
RohnPb2	0.0000	0.0000	-0.2594	0.0000	-0.0000	0.2594	0.0006	0.0003	-0.0711
RohnPc1	0.0000	0.0000	-0.2594	0.0000	-0.0000	0.2594	0.0006	-0.0021	-0.0691
RohnPc2	0.0000	0.0000	-0.2594	0.0000	-0.0000	0.2594	0.0006	0.0021	-0.0691
RohnPd1	0.0000	0.0000	-0.2594	0.0000	-0.0000	0.2594	0.0006	-0.0021	-0.0651
RohnPd2	0.0000	0.0000	-0.2594	0.0000	-0.0000	0.2594	0.0006	0.0021	-0.0651
RohnPe1	0.0000	0.0000	-0.2807	0.0000	-0.0000	0.2807	0.0007	0.0003	-0.0631
RohnPe2	0.0000	0.0000	-0.2807	0.0000	-0.0000	0.2807	0.0007	-0.0003	-0.0631
RohnBb1	0.0000	0.0000	-0.2807	0.0000	-0.0000	0.2807	0.0007	0.0004	-0.0611
RohnBb2	0.0000	0.0000	-0.2807	0.0000	-0.0000	0.2807	0.0007	-0.0004	-0.0611
RohnBc1	0.0000	0.0000	-0.2807	0.0000	-0.0000	0.2807	0.0007	0.0019	-0.0610
RohnBc2	0.0000	0.0000	-0.2807	0.0000	-0.0000	0.2807	0.0007	-0.0019	-0.0610
RohnCa1	0.0000	0.0000	-0.3882	0.0000	-0.0000	0.3882	0.0007	0.0019	-0.0563
RohnCa2	0.0000	0.0000	-0.3882	0.0000	-0.0000	0.3882	0.0008	0.0009	-0.0536
RohnCb1	0.0000	0.0000	-0.3882	0.0000	-0.0000	0.3882	0.0008	-0.0019	-0.0535
RohnCb2	0.0000	0.0000	-0.3882	0.0000	-0.0000	0.3882	0.0009	0.0011	-0.0481
RohnDa1	0.0000	0.0000	-0.4270	0.0000	-0.0000	0.4270	0.0009	-0.0018	-0.0480
RohnDa2	0.0000	0.0000	-0.4270	0.0000	-0.0000	0.4270	0.0009	0.0018	-0.0482
RohnDb1	0.0000	0.0000	-0.4270	0.0000	-0.0000	0.4270	0.0009	-0.0020	-0.0452
RohnDb2	0.0000	0.0000	-0.4270	0.0000	-0.0000	0.4270	0.0009	0.0020	-0.0452
RohnEa1	0.0000	0.0000	-0.5573	0.0000	-0.0000	0.5573	0.0010	0.0016	-0.0397
RohnEa2	0.0000	0.0000	-0.5573	0.0000	-0.0000	0.5573	0.0010	-0.0021	-0.0396
RohnEb1	0.0000	0.0000	-0.5573	0.0000	-0.0000	0.5573	0.0011	0.0017	-0.0369
RohnEb2	0.0000	0.0000	-0.5573	0.0000	-0.0000	0.5573	0.0011	-0.0021	-0.0369
RohnFa1	0.0000	0.0000	-0.7729	0.0000	-0.0000	0.7729	0.0011	0.0018	-0.0299
RohnFa2	0.0000	0.0000	-0.7729	0.0000	-0.0000	0.7729	0.0011	-0.0020	-0.0299
RohnGa1	0.0000	0.0000	-0.8689	0.0000	-0.0000	0.8689	0.0013	0.0022	-0.0215
RohnGa2	0.0000	0.0000	-0.8689	0.0000	-0.0000	0.8689	0.0013	-0.0023	-0.0215
RohnHa1	0.0000	0.0000	-0.9115	0.0000	-0.0000	0.9115	0.0015	0.0027	-0.0130
RohnHa2	0.0000	0.0000	-0.9115	0.0000	-0.0000	0.9115	0.0016	-0.0027	-0.0130
RohnI11	0.0000	0.0000	-0.9840	0.0000	-0.0000	0.9840	0.0027	0.0047	-0.0047
RohnI12	0.0000	0.0000	-0.9840	0.0000	-0.0000	0.9840	0.0027	-0.0047	-0.0047

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

Group Summary (Compression Portion):

Group Label	Group Desc.	Angle Type	Steel Strength	Max Usage	Max In	Comp. Member	Comp. Force	Comp. Control	Comp. Load Case	I/R Comp. Capacity	Comp. Shear Capacity	Comp. Conn. Capacity	RLX Capacity	RLZ Capacity	I/R Length Member	Curve No.	No. Bolts	Comp.
			(ksi)	%	%		(kips)			(kips)	(kips)	(kips)	(kips)	(kips)	(ft)			
Rohn-D1	Rohn Diagonal 1	SAE 1.75X1.75X0.1875	36.0	76.75	76.75	Rohn-DA71	-3.0	715	W+I 0 deg	3.005	16.200	6.156	0.500	0.500	175.53	10	034	1
Rohn-D2	Rohn Diagonal 2	SAE 2.2X2X0.1875	36.0	97.50	97.50	Rohn-DB61	-4.8	975	W+I 0 deg	3.824	16.200	8.156	0.500	0.500	186.50	10	934	4
Rohn-D3	Rohn Diagonal 3	SAE 2.5X2.5X0.1875	36.0	88.77	88.77	Rohn-DC61	-6.2	887	W+I 0 deg	5.764	16.200	8.156	0.500	0.500	159.72	13	177	4
Rohn-D4	Rohn Diagonal 4	SAE 2.5X2.5X0.25	36.0	93.47	93.47	Rohn-DD61	-7.1	934	W+I 0 deg	5.764	16.200	10.875	0.500	0.500	175.58	14	368	4
Rohn-D5	Rohn Diagonal 5	SAE 3X3X0.25	50.0	65.83	65.83	Rohn-DE61	-7.8	658	W+I 0 deg	8.615	16.200	12.187	0.500	0.500	157.99	15	569	4
Rohn-D6	Rohn Diagonal 6	SAE 3.5X3.5X0.25	50.0	65.89	65.89	Rohn-DF61	-8.8	658	W+I 0 deg	10.655	16.200	12.187	0.500	0.500	158.34	18	315	4
Rohn-D7	Rohn Diagonal 7	SAE 4X4X0.25	50.0	65.86	65.86	Rohn-DI21	-9.8	658	W+I 0 deg	11.259	16.200	12.187	0.500	0.500	160.41	21	254	4
Rohn-L1	Rohn Leg 1	Pipe 3.5X3.5	50.0	15.54	15.54	Rohn-LA4P	-1.4	331	W+I 0 deg	67.718	0.000	0.000	1.000	1.000	52.67	5	004	1
Rohn-L2	Rohn Leg 2	Pipe 3.5X3.5	50.0	35.42	35.42	Rohn-LB4P	-4.0	589	W+I 0 deg	85.952	0.000	0.000	1.000	1.000	45.84	5	004	1
Rohn-L3	Rohn Leg 3	Pipe 3.5X3.5	50.0	57.06	57.06	Rohn-LC3P	-7.4	679	W+I 0 deg	98.153	0.000	0.000	1.000	1.000	42.54	6	665	1
Rohn-L4	Rohn Leg 4	Pipe 3.5X3.5	50.0	82.37	82.37	Rohn-LD3P	-11.2	724	W+I 0 deg	102.644	0.000	0.000	1.000	1.000	42.54	6	665	1
Rohn-L5	Rohn Leg 5	Pipe 3.5X3.5	50.0	75.16	75.16	Rohn-LE3P	-14.5	414	W+I 0 deg	145.117	0.000	0.000	1.000	1.000	43.23	6	665	1
Rohn-L6	Rohn Leg 6	Pipe 3.5X3.5	50.0	84.61	84.61	Rohn-LF2P	-19.2	392	W+I 0 deg	159.625	0.000	0.000	1.000	1.000	43.23	6	665	1
Rohn-L7	Rohn Leg 7	Pipe 3.5X3.5	50.0	98.23	98.23	Rohn-LH2P	-24.3	774	W+I 0 deg	186.144	0.000	0.000	1.000	1.000	54.10	10	008	1
Rohn-L8	Rohn Leg 8	Pipe 3.5X3.5	50.0	80.27	80.27	Rohn-LI2P	-21.7	757	W+I 0 deg	253.910	0.000	0.000	1.000	1.000	54.10	10	008	1
Rohn-H1	Rohn Horizontal 1	SAE 1.75X1.75X0.1875	36.0	15.66	15.66	Rohn-HI12	-1.1	124	W+I 60 deg	5.372	0.000	0.000	1.000	1.000	40.57	10	008	1
Rohn-H2	Rohn Horizontal 2	SAE 2X2X0.3125	36.0	13.70	13.70	Rohn-DA71	-2.4	424	W+I 90 deg	13.207	16.200	13.594	0.500	0.500	111.38	7	240	1
Rohn-D1	Rohn Diagonal 1	SAE 2.2X2X0.3125	36.0	23.33	23.33	Rohn-DB61	-2.7	859	W+I 0 deg	9.268	16.200	13.594	0.500	0.500	122.92	8	011	4
Rohn-D2	Rohn Diagonal 2	SAE 2.5X2.5X0.3125	36.0	49.64	49.64	Rohn-DE21	-9.0	855	W+I 0 deg	27.855	16.200	21.750	0.500	0.500	140.03	11	412	4
Rohn-D3	Rohn Diagonal 3	SAE 3X3X0.5	36.0	44.09	44.09	Rohn-DF42	-9.0	668	W+I 0 deg	39.016	24.000	26.100	0.500	0.500	119.15	15	529	4
Rohn-D4	Rohn Diagonal 4	SAE 4X4X0.5	36.0	39.40	37.01	Rohn-DH11	-11.8	444	W+I 90 deg	59.490	24.000	32.625	0.500	0.500	132.03	17	142	4
Rohn-D5	Rohn Diagonal 5	SAE 5X5X0.625	36.0	72.28	72.28	Rohn-DI11	-23.1	294	W+I 90 deg	66.757	24.000	32.625	0.500	0.500	132.03	17	142	4
Rohn-L1	Rohn Leg 1	Pipe 4.5X4.5	36.0	12.63	12.63	Rohn-LA4P	-12.6	506	W+I 0 deg	75.146	0.000	0.000	1.000	1.000	55.02	5	004	1
Rohn-L2	Rohn Leg 2	Pipe 4.5X4.5	36.0	31.30	31.30	Rohn-LB4P	-17.2	376	W+I 0 deg	110.197	0.000	0.000	1.000	1.000	55.02	5	004	1
Rohn-L3	Rohn Leg 3	Pipe 4.5X4.5	36.0	84.78	84.78	Rohn-LD3P	-12.2	376	W+I 0 deg	108.266	0.000	0.000	1.000	1.000	43.23	6	665	1
Rohn-L4	Rohn Leg 4	Pipe 4.5X4.5	36.0	86.43	86.43	Rohn-LF2P	-21.9	747	W+I 0 deg	130.683	0.000	0.000	1.000	1.000	43.23	6	665	1
Rohn-L5	Rohn Leg 5	Pipe 4.5X4.5	36.0	99.18	99.18	Rohn-LH2P	-32.2	483	W+I 0 deg	243.879	0.000	0.000	1.000	1.000	41.70	10	008	1
Rohn-L6	Rohn Leg 6	Pipe 4.5X4.5	36.0	91.37	91.37	Rohn-LI2P	-36.6	766	W+I 0 deg	317.840	0.000	0.000	1.000	1.000	33.08	10	008	1
Connect	Connect Towers	RIG 0.1X0.1X1	36.0	0.04	0.04	Connect Iat	-2.7	474	W+I 60 deg	17202.963	0.000	0.000	1.000	1.000	2.41	2	004	1
Rohn-H1	Rohn Horizontal 1	Pipe 3.5X3.5	50.0	1.56	1.22	Rohn-HI11	-1.2	655	W+I 0 deg	77.281	0.000	0.000	1.000	1.000	44.46	13	12	1
Rohn-H2	Rohn Horizontal 2	Pipe 4.5X4.5	36.0	5.77	1.68	Rohn-HI51	-2.6	541	W+I 0 deg	119.111	0.000	0.000	1.000	1.000	40.11	9	493	1
Rohn-D6	Rohn Diagonal 6	SAE 2X2X0.375	36.0	55.91	55.91	Rohn-DB81	-5.0	638	W+I 0 deg	6.759	16.200	16.312	0.500	0.500	173.34	11	238	4

Group Summary (Tension Portion):

Group Label	Group Desc.	Angle Type	Steel Strength	Max Usage	Max In	Tension Member	Tension Force	Tension Control	Tension Load Case	Net Tens. Capacity	Comp. Shear Capacity	Comp. Tens. Capacity	Conn. Rupture Capacity	Conn. Tens. Capacity	Length Member	No. Of Holes	Role Diameter
			(ksi)	%	%		(kips)			(kips)	(kips)	(kips)	(kips)	(ft)		(in)	
Rohn-D1	Rohn Diagonal 1	SAE 1.75X1.75X0.1875	36.0	76.75	22.38	Rohn-DA81	2.4	434	W+I -60 de	10.681	16.200	8.156	8.684	10.634	1	1.000	0.5875
Rohn-D2	Rohn Diagonal 2	SAE 2.2X2X0.1875	36.0	97.50	41.65	Rohn-DB5P	4.5	949	W+I 60 deg	12.639	16.200	8.156	9.327	10.934	1	1.000	0.6875
Rohn-D3	Rohn Diagonal 3	SAE 2.5X2.5X0.1875	36.0	88.77	55.49	Rohn-DC3P	6.0	855	W+I 0 deg	16.813	16.200	10.875	10.195	12.798	1	1.000	0.6875
Rohn-D4	Rohn Diagonal 4	SAE 2.5X2.5X0.25	36.0	93.47	47.25	Rohn-DD3P	6.2	855	W+I 0 deg	22.144	16.200	10.875	13.594	13.977	1	1.000	0.6875
Rohn-D5	Rohn Diagonal 5	SAE 3X3X0.25	50.0	65.83	40.72	Rohn-DE51	6.8	658	W+I -90 de	50.910	16.200	12.187	15.234	15.389	1	1.000	0.6875
Rohn-D6	Rohn Diagonal 6	SAE 3.5X3.5X0.25	50.0	65.89	50.81	Rohn-DF5P	8.2	658	W+I 0 deg	37.004	16.200	12.187	15.234	17.748	1	1.000	0.6875
Rohn-D7	Rohn Diagonal 7	SAE 4X4X0.25	50.0	65.86	53.23	Rohn-DI3P	8.9	658	W+I 0 deg	43.098	16.200	12.187	15.234	21.860	1	1.000	0.6875
Rohn-L1	Rohn Leg 1	Pipe 3.5X3.5	50.0	15.54	9.33	Rohn-LA41	10.5	628	W+I 60 deg	84.900	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L2	Rohn Leg 2	Pipe 3.5X3.5	50.0	35.42	22.22	Rohn-LB41	30.5	548	W+I -60 de	103.200	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L3	Rohn Leg 3	Pipe 3.5X3.5	50.0	57.06	34.85	Rohn-LC32	57.7	138	W+I -60 de	124.200	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L4	Rohn Leg 4	Pipe 3.5X3.5	50.0	82.37	54.68	Rohn-LD32	88.1	144	W+I -60 de	120.900	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L5	Rohn Leg 5	Pipe 3.5X3.5	50.0	75.16	49.72	Rohn-LE32	113.7	60	W+I -60 de	171.600	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L6	Rohn Leg 6	Pipe 3.5X3.5	50.0	84.61	52.39	Rohn-LF22	140.6	62	W+I -60 de	201.300	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L7	Rohn Leg 7	Pipe 3.5X3.5	50.0	98.23	59.51	Rohn-LH22	187.5	66	W+I -60 de	236.400	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L8	Rohn Leg 8	Pipe 3.5X3.5	50.0	80.27	50.84	Rohn-LI22	200.4	90	W+I -60 de	295.800	0.000	0.000	0.000	6.665	0	0.000	0

Case	Usage %	Maximum	Element	Label	Type
Rohn-H1	56.0	13.70	13.58	Rohn-H12	0 962W+I -90 de
SNB-D1	36.0	23.33	21.11	SNB-DA71	2.462W+I -90 de
SNB-D2	36.0	49.64	40.38	SNB-DB31	2.061W+I -90 de
SNB-D3	36.0	44.09	42.62	SNB-DD3P	7 319 W+I 0 deg
SNB-D4	36.0	29.01	29.01	SNB-DE11	9.206W+I -90 de
SNB-D5	36.0	39.40	39.40	SNB-DE42	9.284W+I 90 deg
SNB-D6	36.0	72.28	68.92	SNB-DH42	12.609W+I 90 deg
SNB-D7	36.0	12.63	8.76	SNB-DI42	22.072W+I 90 deg
SNB-D8	36.0	51.30	35.56	SNB-LA41	10.597W+I 60 deg
SNB-D9	36.0	84.78	63.09	SNB-LC22	63.597W+I -60 de
SNB-L1	36.0	86.43	59.74	SNB-LD32	103.933W+I -60 de
SNB-L2	36.0	99.18	71.67	SNB-LF22	184.087W+I -60 de
SNB-L3	36.0	91.37	65.03	SNB-LH22	284.189W+I -60 de
SNB-L4	36.0	0.04	0.04	SNB-LI22	301.542W+I -60 de
SNB-L5	36.0	1.56	1.56	Connect IP	8 115 W+I 0 deg
SNB-L6	36.0	5.77	5.77	SNB-H42	1 850W+I -60 de
SNB-H1	58.0	55.91	24.01	Rohn-DB7P	5.187 W+I 0 deg
SNB-H2					
SNB-H3					
SNB-H4					
SNB-H5					
SNB-H6					
SNB-H7					
SNB-H8					
SNB-H9					
SNB-H10					
SNB-H11					
SNB-H12					
SNB-H13					
SNB-H14					
SNB-H15					
SNB-H16					
SNB-H17					
SNB-H18					
SNB-H19					
SNB-H20					
SNB-H21					
SNB-H22					
SNB-H23					
SNB-H24					
SNB-H25					
SNB-H26					
SNB-H27					
SNB-H28					
SNB-H29					
SNB-H30					
SNB-H31					
SNB-H32					
SNB-H33					
SNB-H34					
SNB-H35					
SNB-H36					
SNB-H37					
SNB-H38					
SNB-H39					
SNB-H40					
SNB-H41					
SNB-H42					
SNB-H43					
SNB-H44					
SNB-H45					
SNB-H46					
SNB-H47					
SNB-H48					
SNB-H49					
SNB-H50					
SNB-H51					
SNB-H52					
SNB-H53					
SNB-H54					
SNB-H55					
SNB-H56					
SNB-H57					
SNB-H58					
SNB-H59					
SNB-H60					
SNB-H61					
SNB-H62					
SNB-H63					
SNB-H64					
SNB-H65					
SNB-H66					
SNB-H67					
SNB-H68					
SNB-H69					
SNB-H70					
SNB-H71					
SNB-H72					
SNB-H73					
SNB-H74					
SNB-H75					
SNB-H76					
SNB-H77					
SNB-H78					
SNB-H79					
SNB-H80					
SNB-H81					
SNB-H82					
SNB-H83					
SNB-H84					
SNB-H85					
SNB-H86					
SNB-H87					
SNB-H88					
SNB-H89					
SNB-H90					
SNB-H91					
SNB-H92					
SNB-H93					
SNB-H94					
SNB-H95					
SNB-H96					
SNB-H97					
SNB-H98					
SNB-H99					
SNB-H100					

*** 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	88.73	Rohn-DB62	Angle
W+I -60 deg	77.67	Rohn-DB62	Angle
W+I 0 deg	99.18	SNB-LH2P	Angle
W+I 60 deg	83.45	Rohn-DB61	Angle
W+I 90 deg	89.13	Rohn-DB51	Angle
DL * Ice Only	30.09	SNB-D111	Angle

*** Weight of structure (lbs): 62797 0
 Weight of Angles*Section DfF: 11591.7
 Weight of Equipment: 74388.7
 Total:

*** End of Report

CONNECTION BETWEEN TOWERS EVALUATION

Bolt Diameter	$\text{Dia}_{\text{bolt}} := \frac{3}{4} \text{ in}$	
Bolt Shear Capacity	$\text{Capacity}_{\text{bolt}} := 5.3 \text{ kip}$	Per AISC 9th Edition p. 4-5 for 3/4" A325 slip critical bolt
Shear Plane Area	$\text{Area}_{\text{plate}} := \frac{3}{8} \text{ in} \left(\frac{3}{4} \text{ in} + 1 \text{ in} \right)$	$\text{Area}_{\text{plate}} = 0.6563 \text{ in}^2$
Yield Strength of Plate	$\text{Fy}_{\text{plate}} := 36 \text{ ksi}$	
Plate Capacity	$\text{Capacity}_{\text{plate}} := \text{Area}_{\text{plate}} \cdot \text{Fy}_{\text{plate}}$	$\text{Capacity}_{\text{plate}} = 23.625 \text{ kip}$
U-Bolt Size	$\text{Dia}_{\text{ubolt}} := \frac{1}{2} \text{ in}$	
U-Bolt Area	$\text{Area}_{\text{ubolt}} := 2 \cdot \pi \left(\frac{\text{Dia}_{\text{ubolt}}}{2} \right)^2$	$\text{Area}_{\text{ubolt}} = 0.3927 \text{ in}^2$
	$\text{Fy}_{\text{ubolt}} := 58 \text{ ksi}$	
	$\text{Capacity}_{\text{ubolt}} := \text{Area}_{\text{ubolt}} \cdot \text{Fy}_{\text{ubolt}}$	$\text{Capacity}_{\text{ubolt}} = 22.7765 \text{ kip}$
Connection Capacity	$\text{Capacity}_{\text{connection}} := \min(\text{Capacity}_{\text{bolt}}, \text{Capacity}_{\text{plate}}, \text{Capacity}_{\text{ubolt}})$	
	$\text{Capacity}_{\text{connection}} = 5.3 \text{ kip}$	
Max Connection Spacing	$\text{Spacing} := 5 \text{ ft}$	
Connection Capacity per Foot	$\text{Capacity}_{\text{LF}} := \frac{\text{Capacity}_{\text{connection}}}{\text{Spacing}}$	$\text{Capacity}_{\text{LF}} = 1.06 \frac{\text{kip}}{\text{ft}}$
Max Connection Force	$\text{F}_{\text{max}} := 8.1 \text{ kip}$	
Connection Spacing in PLS-Tower	$\text{Spacing}_{\text{PLS.Tower}} := 10 \text{ ft}$	
Connection Force per Foot	$\text{Force}_{\text{LF}} := \frac{\text{F}_{\text{max}}}{\text{Spacing}_{\text{PLS.Tower}}}$	$\text{Force}_{\text{LF}} = 0.81 \cdot \text{kip}$
Percent Capacity	$\text{Percent}_{\text{capacity}} := \frac{\text{Force}_{\text{LF}}}{\text{Capacity}_{\text{LF}}}$	$\text{Percent}_{\text{capacity}} = 76.4\%$

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

FOUNDATION EVALUATION



From PLS-Tower Output Summary

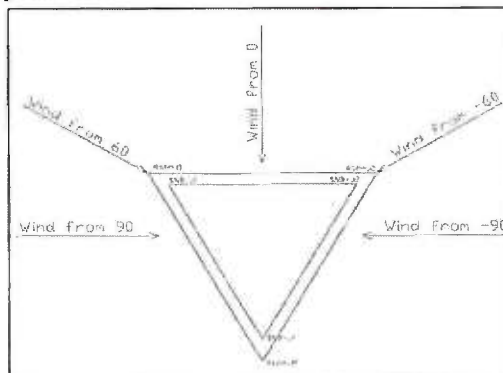
Summary of Joint Support Reactions For All Load Cases:

Load Case	Joint Label	Long. Force (kips)	Tran. Force (kips)	Vert. Force (kips)	Shear Force (kips)	Tran. Moment (ft-k)	Long. Moment (ft-k)	Vert. Moment (ft-k)	Bending Moment (ft-k)	Found. Usage %
W+I -90 deg	RohnJP	5.14	2.63	22.61	5.78	0	0	0	0	0
W+I -90 deg	SNB-JP	11.54	6.28	18.82	13.14	0	0	0	0	0
W+I -90 deg	RohnJ1	3.5	8.64	225.87	9.32	0	0	0	0	0
W+I -90 deg	RohnJ2	-8.59	17.29	-180.7	19.3	0	0	0	0	0
W+I -90 deg	SNB-J1	5.07	15.24	320.84	16.06	0	0	0	0	0
W+I -90 deg	SNB-J2	-16.67	34.96	-283.04	38.73	0	0	0	0	0
W+I -60 deg	RohnJP	-2.91	2.1	137.17	3.59	0	0	0	0	0
W+I -60 deg	SNB-JP	-3.74	5.35	188.91	6.53	0	0	0	0	0
W+I -60 deg	RohnJ1	-0.55	3.68	137.3	3.72	0	0	0	0	0
W+I -60 deg	RohnJ2	-10.4	18.23	-206.69	20.99	0	0	0	0	0
W+I -60 deg	SNB-J1	-2.77	5.92	189.06	6.53	0	0	0	0	0
W+I -60 deg	SNB-J2	-20.95	36.29	-321.35	41.9	0	0	0	0	0
W+I 0 deg	RohnJP	-12.8	-0.28	273.51	12.8	0	0	0	0	0
W+I 0 deg	SNB-JP	-22.6	-0.01	392.51	22.6	0	0	0	0	0
W+I 0 deg	RohnJ1	-9.33	-10.78	-102.76	14.26	0	0	0	0	0
W+I 0 deg	RohnJ2	-8.83	11.07	-102.99	14.16	0	0	0	0	0
W+I 0 deg	SNB-J1	-19.33	-21.79	-167.81	29.13	0	0	0	0	0
W+I 0 deg	SNB-J2	-19.31	21.79	-168.05	29.12	0	0	0	0	0
W+I 60 deg	RohnJP	-2.91	-2.39	137.18	3.76	0	0	0	0	0
W+I 60 deg	SNB-JP	-3.74	-5.36	188.9	6.54	0	0	0	0	0
W+I 60 deg	RohnJ1	-10.65	-18.08	-206.49	20.98	0	0	0	0	0
W+I 60 deg	RohnJ2	-0.3	-3.53	137.09	3.55	0	0	0	0	0
W+I 60 deg	SNB-J1	-20.96	-36.28	-321.1	41.9	0	0	0	0	0
W+I 60 deg	SNB-J2	-2.76	-5.92	188.81	6.53	0	0	0	0	0
W+I 90 deg	RohnJP	5.14	-2.63	22.61	5.78	0	0	0	0	0
W+I 90 deg	SNB-JP	11.54	-6.28	18.82	13.14	0	0	0	0	0
W+I 90 deg	RohnJ1	-8.59	-17.28	-180.5	19.3	0	0	0	0	0
W+I 90 deg	RohnJ2	3.5	-8.64	225.67	9.32	0	0	0	0	0
W+I 90 deg	SNB-J1	-16.67	-34.96	-282.79	38.73	0	0	0	0	0
W+I 90 deg	SNB-J2	5.07	-15.24	320.59	16.06	0	0	0	0	0
DL + Ice Only	RohnJP	4.99	0	22.55	4.99	0	0	0	0	0
DL + Ice Only	SNB-JP	11.4	0	18.72	11.4	0	0	0	0	0
DL + Ice Only	RohnJ1	-2.5	-4.32	22.67	4.99	0	0	0	0	0
DL + Ice Only	RohnJ2	-2.5	4.33	22.47	4.99	0	0	0	0	0
DL + Ice Only	SNB-J1	-5.7	-9.88	18.87	11.41	0	0	0	0	0
DL + Ice Only	SNB-J2	-5.7	9.88	18.62	11.4	0	0	0	0	0

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	0.06	0.00	0.00	10326.9	5.78	102.3
W+I -90 deg	SNB-JP	0.1	0.00	0.00		13.14	
W+I -90 deg	RohnJ1	203.2	11.42	2320.54		9.32	
W+I -90 deg	RohnJ2	-203.17	-11.42	2320.20		19.30	
W+I -90 deg	SNB-J1	301.97	9.42	2844.56		16.06	
W+I -90 deg	SNB-J2	-301.66	-9.42	2841.64		38.73	
W+I -60 deg	RohnJP	114.62	6.60	756.49	10083.9	3.59	83.3
W+I -60 deg	SNB-JP	170.19	5.44	925.83		6.53	
W+I -60 deg	RohnJ1	114.63	6.60	756.56		3.72	
W+I -60 deg	RohnJ2	-229.16	-13.18	3020.33		20.99	
W+I -60 deg	SNB-J1	170.19	5.44	925.83		6.53	
W+I -60 deg	SNB-J2	-339.97	-10.88	3698.87		41.90	
W+I 0 deg	RohnJP	250.96	13.18	3307.65	11061.4	12.80	122.1
W+I 0 deg	SNB-JP	373.79	10.88	4066.84		22.60	
W+I 0 deg	RohnJ1	-125.43	-6.60	827.84		14.26	
W+I 0 deg	RohnJ2	-125.46	-6.60	828.04		14.16	
W+I 0 deg	SNB-J1	-186.68	-5.44	1015.54		29.13	
W+I 0 deg	SNB-J2	-186.67	-5.44	1015.48		29.12	
W+I 60 deg	RohnJP	114.63	6.60	756.56	10083.9	3.76	83.3
W+I 60 deg	SNB-JP	170.18	5.44	925.78		6.54	
W+I 60 deg	RohnJ1	-229.16	-13.18	3020.33		20.98	
W+I 60 deg	RohnJ2	114.62	6.60	756.49		3.55	
W+I 60 deg	SNB-J1	-339.97	-10.88	3698.87		41.90	
W+I 60 deg	SNB-J2	170.19	5.44	925.83		6.53	
W+I 90 deg	RohnJP	0.06	0.00	0.00	10326.9	5.78	102.3
W+I 90 deg	SNB-JP	0.1	0.00	0.00		13.14	
W+I 90 deg	RohnJ1	-203.17	-11.42	2320.20		19.30	
W+I 90 deg	RohnJ2	203.2	11.42	2320.54		9.32	
W+I 90 deg	SNB-J1	-301.66	-9.42	2841.64		38.73	
W+I 90 deg	SNB-J2	301.97	9.42	2844.56		16.06	

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

Dimensions taken from CAD drawing





Job 180' ROHN SSV Tower w/ SNB Reinf. - Greenwich Project No. HPC-059 (Rev 1) Page 1 of 4
 Description Foundation Analysis Computed by MCD Date 04/15/13
 Checked by _____ Date _____

PIER AND MAT FOUNDATION ANALYSIS - 3 PIERS

TOWER FORCES:

Moment Caused by Tower $M_t := 11061.4 \text{ kip-ft}$
 Shear at Base of Tower $S_t := 122.1 \text{ kip}$
 Height of Tower $H_t := 180 \text{ ft}$
 Width of Tower at Base $W_t := 22.833 \text{ ft}$
 Weight of Tower $WT_t := 119.1 \text{ kip}$

FOOTING DIMENSIONS:

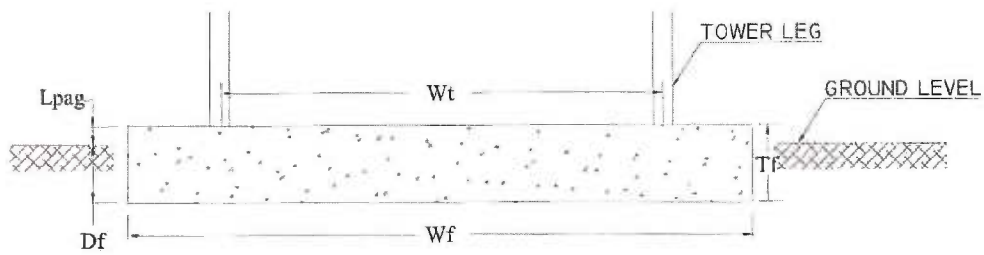
Width of Footing $W_f := 36.5 \text{ ft}$
 Overall Depth of Footing $D_f := 3.5 \text{ ft}$
 Thickness of Footing $T_f := 6.0 \text{ ft}$

MATERIAL PROPERTIES:

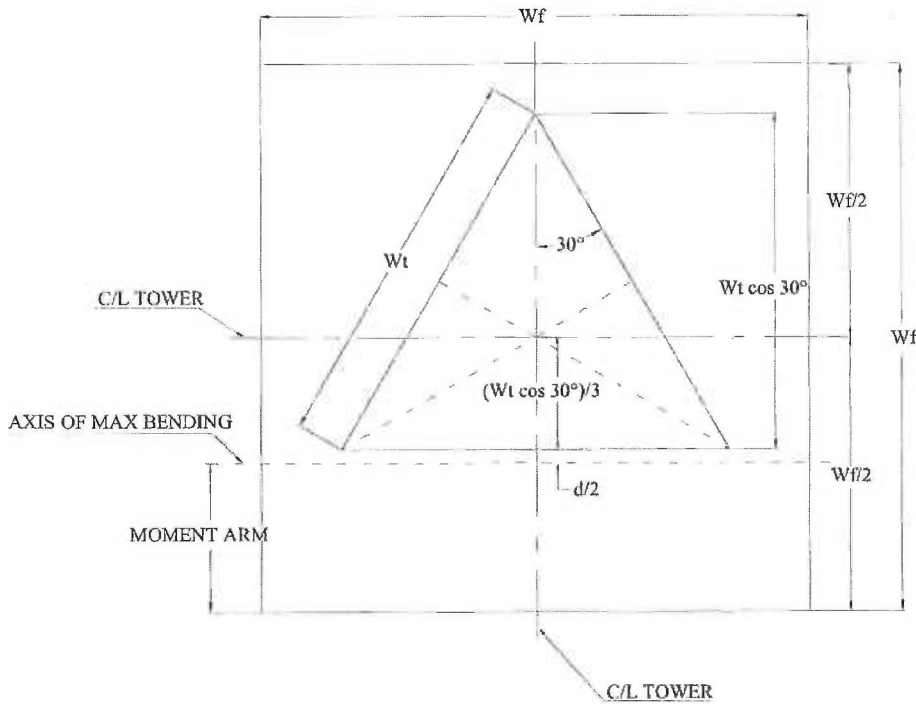
Compressive Strength of Concrete $f_c := 3000 \text{ psi}$ Unit Weight of Soil $\gamma_s := 130 \text{ pcf}$
 Yield Strength of Steel Reinforcement $f_y := 60000 \text{ psi}$ Unit Weight of Concrete $\gamma_c := 150 \text{ pcf}$
 Internal Friction Angle of Soil $\phi_s := 36 \text{ deg}$ Depth to Neglect $n := 0 \text{ ft}$
 Allowable Bearing Capacity $q_s := 4000 \text{ psf}$ Cohesion of Clay Type Soil $c_c := 0 \text{ ksf}$
 Note: Use 0 for Sandy Soil
 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 $Pos_{tower} := 2$
 2=Not Offset

FOUNDATION OVERVIEW



ELEVATION



PLAN

STABILITY OF FOOTING

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

Passive Pressure:

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

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

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

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

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

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

Ultimate Shear: $A_{pp} := W_f \cdot T_{pp} \quad A_{pp} = 127.75 \text{ ft}^2$
 $S_u := P_{ave} \cdot A_{pp} \quad S_u = 111.9465 \text{ kip}$

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

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

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

Distance to center of Tower Leg from Edge of Footing: $X_{t1} := \frac{W_f}{2} - \frac{W_f \cdot \cos(30 \text{ deg})}{2} \quad X_{t2} := \frac{W_f}{2} - \frac{W_f \cdot \cos(30 \text{ deg})}{3}$

$X_t := \text{if}(\text{Pos}_{tower} = 1, X_{t1}, X_{t2}) \quad X_t = 11.6587 \text{ ft}$

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

$X_{off} := \text{if}(\text{Pos}_{tower} = 1, X_{off1}, X_{off2}) \quad X_{off} = 0 \text{ ft}$

Resisting Moment: $M_r := (WT_c + WT_{s1}) \cdot \frac{W_f}{2} + WT_t \left(\frac{W_f}{2} - X_{off} \right) + S_u \cdot \frac{T_{pp}}{3} + WT_{s2} \cdot \left(W_f + \frac{T_{pp} \cdot \tan(\phi_s)}{3} \right)$
 $M_r = 24975.003 \text{ kip} \cdot \text{ft}$

Overturning Moment: $M_{ot} := M_t + S_t \cdot (T_f) + WT_t \cdot X_{off} \quad M_{ot} = 11794 \text{ kip} \cdot \text{ft}$

Factor of Safety: $FS := \frac{M_r}{M_{ot}} \quad FS = 2.12$

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

Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	HPC-059 (Rev 1)	Sheet	4 of 4
Description	Foundation Analysis	Computed by	MCD	Date	04/15/13
		Checked by		Date	

BEARING PRESSURE CHECK:

Pressure Applied:

$$\text{LOAD}_{\text{tot}} := \text{WT}_c + \text{WT}_{s1} + \text{WT}_t \quad \text{LOAD}_{\text{tot}} = 1318.125 \cdot \text{kip}$$

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

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

$$P_{\text{max}} := \frac{\text{LOAD}_{\text{tot}}}{A_{\text{mat}}} + \frac{M_{\text{ot}}}{S} \quad P_{\text{max}} = 2.4446 \cdot \text{ksf}$$

$$P_{\text{min}} := \frac{\text{LOAD}_{\text{tot}}}{A_{\text{mat}}} - \frac{M_{\text{ot}}}{S} \quad P_{\text{min}} = -0.4658 \cdot \text{ksf}$$

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

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

Distance to Resultant of Pressure Distribution:

$$X_p := \frac{P_{\text{max}}}{P_{\text{max}} - P_{\text{min}}} \cdot \frac{1}{3} \quad X_p = 10.2193 \cdot \text{ft}$$

Distance to Kern:

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

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

Eccentricity:

$$e := \frac{M_{\text{ot}}}{\text{LOAD}_{\text{tot}}} \quad e = 8.9476$$

Adjusted Soil Pressure:

$$q_a := \frac{2 \cdot \text{LOAD}_{\text{tot}}}{3 \cdot W_f \left(\frac{W_f}{2} - e \right)} \quad q_a = 2.5881 \cdot \text{ksf}$$

Revised Maximum:

$$q_{\text{max}} := \text{if}(X_p < X_k, q_a, P_{\text{max}}) \quad q_{\text{max}} = 2.5881 \cdot \text{kip}$$

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

EXHIBIT C

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

T-Mobile Existing Facility

Site ID: CT11070B

CT State Police 2
150 Butter Hollow Road
Greenwich, CT 06830

October 15, 2014

EBI Project Number: 62132823

October 15, 2014

T-Mobile USA
Attn: Jason Overbey, RF Manager
35 Griffin Road South
Bloomfield, CT 06002

Re: Emissions Values for Site: **CT11070B - CT State Police 2**

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **150 Butter Hollow Road, Greenwich, CT**, for the purpose of determining whether the emissions from the Proposed T-Mobile Antenna Installation located on this property are within specified federal limits.

All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The number of $\mu\text{W}/\text{cm}^2$ calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). The general population exposure limit for the cellular band is $567 \mu\text{W}/\text{cm}^2$, and the general population exposure limit for the PCS band is $1000 \mu\text{W}/\text{cm}^2$. Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

CALCULATIONS

Calculations were done for the proposed T-Mobile Wireless antenna facility located at 150 Butter Hollow Road, Greenwich, CT, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since T-Mobile is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, the actual antenna pattern gain value in the direction of the sample area was used. For this report the sample point is a 6 foot person standing at the base of the tower

For all calculations, all equipment was calculated using the following assumptions:

- 1) 2 GSM channels (1940.000 MHz—to 1950.000 MHz) were considered for each sector of the proposed installation.
- 2) 2 UMTS channels (2110.000 MHz to 2120.000 MHz / 2140.000 MHz to 2145.000 MHz) were considered for each sector of the proposed installation
- 3) 2 LTE channels (2110.000 MHz to 2120.000 MHz / 2140.000 MHz to 2145.000 MHz) were considered for each sector of the proposed installation
- 4) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
- 5) For the following calculations the sample point was the top of a six foot person standing at the base of the tower. The actual gain in this direction was used per the manufactures supplied specifications.
- 6) The antenna used in this modeling is the Ericsson AIR21 for LTE, UMTS and GSM. This is based on feedback from the carrier with regards to anticipated antenna selection. This antenna has a 15.6 dBd gain value at its main lobe. Actual antenna gain values were used for all calculations as per the manufacturers specifications

- 7) The antenna mounting height centerline of the proposed antennas is **137 feet** above ground level (AGL)
- 8) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

All calculation were done with respect to uncontrolled / general public threshold limits

Site ID	CT110708 - CT State Police 2
Site Address	150 Butter Hollow Road, Greenwich, CT 06830
Site Type	Self Support Tower

Sector 1																
Antenna Number	Antenna Make	Antenna Model	Status	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBD)	Antenna Height (ft)	Antenna analysis height	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
1a	Ericsson	AIR21 B4A/B2P	Active	AWS - 2100 MHz	LTE	60	2	120	-3.95	137	131	0	0	48.326044	1.012383	0.10%
1b	Ericsson	AIR21 B4A/B2P	Not Used					0	-3.95	137	131	0	0	0	0	0.00%
2a	Ericsson	AIR21 B2A / B4P	Active	PCS - 1950 MHz	GSM / UMTS	30	2	60	-3.95	137	131	0	0	24.163022	0.506191	0.05%
2b	Ericsson	AIR21 B2A / B4P	Passive	AWS - 2100 MHz	UMTS	30	2	60	-3.95	137	131	0	0	24.163022	0.506191	0.05%
Sector total Power Density Value:													0.20%			

Sector 2																
Antenna Number	Antenna Make	Antenna Model	Status	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBD)	Antenna Height (ft)	Antenna analysis height	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
1a	Ericsson	AIR21 B4A/B2P	Active	AWS - 2100 MHz	LTE	60	2	120	-3.95	137	131	0	0	48.326044	1.012383	0.10%
1b	Ericsson	AIR21 B4A/B2P	Not Used					0	-3.95	137	131	0	0	0	0	0.00%
2a	Ericsson	AIR21 B2A / B4P	Active	PCS - 1950 MHz	GSM / UMTS	30	2	60	-3.95	137	131	0	0	24.163022	0.506191	0.05%
2b	Ericsson	AIR21 B2A / B4P	Passive	AWS - 2100 MHz	UMTS	30	2	60	-3.95	137	131	0	0	24.163022	0.506191	0.05%
Sector total Power Density Value:													0.20%			

Sector 3																
Antenna Number	Antenna Make	Antenna Model	Status	Frequency Band	Technology	Power Out Per Channel (Watts)	Number of Channels	Composite Power	Antenna Gain in direction of sample point (dBD)	Antenna Height (ft)	Antenna analysis height	Cable Loss (dB)	Additional Loss	ERP	Power Density Value	Power Density Percentage
1a	Ericsson	AIR21 B4A/B2P	Active	AWS - 2100 MHz	LTE	60	2	120	-3.95	137	131	0	0	48.326044	1.012383	0.10%
1b	Ericsson	AIR21 B4A/B2P	Not Used					0	-3.95	137	131	0	0	0	0	0.00%
2a	Ericsson	AIR21 B2A / B4P	Active	PCS - 1950 MHz	GSM / UMTS	30	2	60	-3.95	137	131	0	0	24.163022	0.506191	0.05%
2b	Ericsson	AIR21 B2A / B4P	Passive	AWS - 2100 MHz	UMTS	30	2	60	-3.95	137	131	0	0	24.163022	0.506191	0.05%
Sector total Power Density Value:													0.20%			

Site Composite MPE %	
Carrier	MPE %
T-Mobile	0.61%
Sprint	5.45%
Nextel	4.60%
State Police Greenwich	3.91%
DOT	2.42%
NIU	0.55%
AT&T	9.38%
Verizon Wireless	13.06%
Verizon Wireless	24.04%
Total Site MPE %	64.02%

Summary

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

The anticipated Maximum Composite contributions from the T-Mobile facility are **0.61% (0.20% from each sector)** of the allowable FCC established general public limit considering all three sectors simultaneously.

The anticipated composite MPE value for this site assuming all carriers present is **64.02%** of the allowable FCC established general public limit. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were within the allowable 100% threshold standard per the federal government.



Scott Heffernan
RF Engineering Director

EBI Consulting
21 B Street
Burlington, MA 01803