NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

October 13, 2015

Members of the Siting Council
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Notice of Exempt Modification
150 Butternut Hollow Rd, Greenwich, CT 06830
Longitude: -73.638854
Latitude: 41.096927
T-Mobile Site#: CT11070B_L700

Members of the Siting Council:

On behalf of T-Mobile, Northeast Site Solutions (NSS) is submitting an exempt modification application to the Connecticut Siting Council for modification of existing equipment at a tower facility located at 150 Butternut Hollow Rd, Greenwich, CT 06830.

The 150 Butternut Hollow Rd Greenwich, CT 0683 facility consists of a 180' Lattice Tower owned and operated by Connecticut State Police. In order to accommodate technological changes and enhance system performance in the State of Connecticut, T-Mobile plans to modify the equipment configurations at many of its existing cell sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and attachments is being sent to the chief elected official of the municipality in which the affected cell site is located.

As part of T-Mobile's L700 Project, T-Mobile desires to upgrade their equipment to meet the new standards of 4G technology. The new equipment will allow customers to download files and browse the internet at a high rate of speed while also allowing their phones to be compatible with the latest 4G technology.

Attached is a summary of the planned modifications, including power density calculations reflecting the change in T-Mobile's operations at the site along with the required fee of $650.

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The changes to the facility do not constitute modifications as defined in Connecticut General Statutes significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

1. The overall height of the structure will be unaffected.

2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound other than the new equipment cabinet.

3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.

4. The changes in radio frequency power density will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, Northeast Site Solutions (NSS) on behalf of T-Mobile, respectfully submits that the proposed changes at the referenced site constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at 860.209.4690 with any questions you may have concerning this matter.

Sincerely,

Denise Sabo
Mobile: 860-209-4690
Fax: 413-521-0558
Office: 199 Brickyard Rd, Farmington, CT 06032
Email: denise@northeastsitesolutions.com

cc: The Honorable Peter J. Tesei, First Selectman, Town of Greenwich
State of Connecticut, Department of Public Safety, Division of State Police

Exhibit A

T-MOBILE NORTHEAST LLC

SITE #: CT11070B

SITE NAME: CONNECTICUT STATE POLICE #2

SITE ADDRESS:
150 BUTTERNUT HOLLOW RD
GREENWICH ,CT 06830
WIRELESS BROADBAND FACILITY
CONSTRUCTION DRAWINGS
(702CC CONFIGURATION)

VICINITY MAP

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CALL BEFORE YOU DIG:

WWW.CBYD.COM

CALL 800 922 4455, OR 811

CALL THREE WORKING DAYS PRIOR TO DIGGING

SAFETY PRECAUTIONS SHALL BE IMPLEMENTED BY CONTRACTOR(S) AT ALL TRENCHING IN ACCORDANCE WITH CURRENT OSHA STANDARDS.

COLOR CODE FOR UTILITY LOCATIONS

ELECTRIC	– RED	SEWER	– GREEN
GAS/OIL	– YELLOW	SURVEY	– PINK
TEL/CATV	– ORANGE	PROPOSED EXCAVATION	– WHITE
WATER	– BLUE	RECLAIMED WATER	– PURPLE

GENERAL NOTES

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES. RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES.
2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONSTRUCT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE T–MOBILE REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF THE CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES, THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXPENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING OF ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.
5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUM OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS AND INSPECTIONS WHICH ARE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY, OR LOCAL GOVERNMENT AUTHORITY.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC., DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
12. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
13. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS, AS WELL AS THE LATEST EDITIONS OF ANY PERTINENT STATE SAFETY REGULATIONS.
14. THE CONTRACTOR SHALL NOTIFY THE T–MOBILE REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE T–MOBILE REPRESENTATIVE.
15. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC., ON THE JOB.
16. THE CONTRACTOR SHALL RETURN ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITION AT THE COMPLETION OF WORK.
17. ATLANTIS GROUP, INC. HAS NOT CONDUCTED A STRUCTURAL ANALYSIS FOR THIS PROJECT AND DOES NOT ASSUME ANY LIABILITY FOR THE ADEQUACY OF THE STRUCTURE AND COMPONENTS.
18. REFER TO STRUCTURAL ANALYSIS DOCUMENT ENTITLED, "DETAILED STRUCTURAL ANALYSIS AND EVALUATION OF AN EXISTING 180' SELF SUPPORTING LATTICE TOWER WITH STACK–N–BOLT SYSTEM AND FOUNDATION FOR PROPOSED ANTENNA ARRANGEMENT" PREPARED BY AECOM, "T–MOBILE SITE ID CT1070B", DATED MARCH 4, 2015.

SITE INFORMATION

SITE NUMBER:	CT11070B
SITE NAME:	CONNECTICUT STATE POLICE #2
SITE ADDRESS:	150 BUTTERNUT HOLLOW RD GREENWICH ,CT 06830
LAT./LONG.:	N 41.096927 / W –73.638854
JURISDICTION:	FAIRFIELD COUNTY
PROPERTY OWNER:	STATE POLICE PAUL ZITO PUBLIC SAFETY DIRECTOR OF TELECOMMUNICATIONS CT DEPARTMENT OF EMERGENCY SERVICES AND PUBLIC PROTECTION DIVISION OF STATE POLICE 1111 COUNTRY CLUB ROAD MIDDLETOWN, CT 06457 860–685–8280 – OFFICE 860–685–8345 – FAX 860–305–5275 – CELL 860–685–8008 24/7 EMERGENCIES

CODE COMPLIANCE

CONNECTICUT STATE BUILDING CODE

2005 CONNECTICUT BUILDING CODE WITH 2013 AMENDMENT
2011 NATIONAL ELECTRICAL CODE

CONSTRUCTION TYPE: 2B USE GROUP: N/A

PROJECT SUB–CONTRACTORS

APPLICANT:	T–MOBILE NORTHEAST, LLC. 35 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 (860) 692–7100
PROJECT MANAGER	LISA LIN ALLEN NORTHEAST SITE SOLUTIONS 54 MAIN STREET STURBRIDGE, MA 01566 (508) 434–5237
ARCHITECT/ENGINEER:	ATLANTIS GROUP INC. 1340 CENTRE STREET SUITE 212 NEWTON CENTER, MA 02459 (617) 965–0789

SHEET INDEX

SHEET	DESCRIPTION
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A–3	EQUIPMENT PLAN AND DETAILS
E–1	GROUNDING DIAGRAM
E–2	GROUNDING DETAILS

T-MOBILE NORTHEAST, LLC
35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
OFFICE: (860) 692-7100
FAX:(860) 692-7159

ATLANTIS GROUP
1340 Centre Street, Suite 212
Newton Center, MA 02459
Office: 617–965–0789
Fax: 617–213–5056

SUBMITTALS

DATE	DESCRIPTION	REVISION
02/16/15	ISSUED FOR REVIEW	A
02/18/15	REVISION	0
02/19/15	REVISION	1
03/05/15	FINAL CD	2

DEPT.	DATE	APP'D	REVISIONS
RFE			
RF MAN.			
ZONING			
OPS			
CONSTR.			
SITE AC.			

PROJECT NO:	CT11070B
DRAWN BY:	FG
CHECKED BY:	SM

STATE OF CONNECTICUT
HOSSEIN VAHEDI
NO. ARI. 11162
LICENSED ARCHITECT

PROFESSIONAL SEAL

SITE NAME
CT11070B
SITE NAME
CONNECTICUT STATE POLICE #2
SITE ADDRESS
150 BUTTERNUT HOLLOW RD
GREENWICH ,CT 06830

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

ELECTRICAL NOTES:

WORK INCLUDED

1. INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, PLANT SERVICES AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE THE ELECTRICAL WORK SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   A. PREPARE AND SUBMIT SHOP DRAWINGS, DIAGRAMS AND ILLUSTRATIONS.
   B. PROCURE ALL NECESSARY PERMITS AND APPROVALS AND PAY ALL REQUIRED FEES AND CHARGES IN CONNECTION WITH THE WORK OF THIS CONTRACT.
   C. SUBMIT AS-BUILT DRAWINGS, OPERATING AND MAINTENANCE INSTRUCTIONS AND MANUALS.
   D. EXECUTE ALL CUTTING, DRILLING, ROUGH AND FINISH PATCHING OF EXISTING OR NEWLY INSTALLED CONSTRUCTION REQUIRED FOR THE WORK OF THIS CONTRACT. FOR SLAB PENETRATIONS THROUGH POST TENSION SLABS, X-RAY EXACT AREA OF PENETRATION PRIOR TO PERFORMING WORK. COORDINATE ALL X-RAY WORK WITH BUILDING ENGINEER.
   E. PROVIDE HANGERS, SUPPORTS, FOUNDATIONS, STRUCTURAL FRAMING SUPPORTS, AND BASES FOR CONDUIT AND EQUIPMENT PROVIDED OR INSTALLED UNDER THE WORK OF HIS CONTRACT. PROVIDE COUNTER FLASHING, SLEEVES AND SEALS FOR FLOOR AND WALL PENETRATIONS.
   F. MAINTAIN ALL EXISTING ELECTRICAL SERVICES IN THE BUILDING AREAS NOT AFFECTED BY THE ALTERATION DURING THE PROGRESS OF THE WORK INCLUDING PROVIDING ALL TEMPORARY JUMPERS, CONDUITS, CAPS, PROTECTIVE DEVICES, CONNECTIONS AND EQUIPMENT REQUIRED. PROVIDE TEMPORARY LIGHT AND POWER FOR CONSTRUCTION PURPOSES.
2. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO CALL FOR AN INSTALLATION THAT IS COMPLETE IN EVERY RESPECT. IT IS NOT THE INTENT TO GIVE EVERY DETAIL ON THE DRAWINGS AND IN THE SPECIFICATIONS. IF AN ITEM OF WORK IS INDICATED IN THE DRAWINGS, IT IS CONSIDERED SUFFICIENT FOR INCLUSION IN THE CONTRACT. FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT USUALLY FURNISHED OR NEEDED TO MAKE A COMPLETE INSTALLATION WHETHER OR NOT SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS.

GENERAL REQUIREMENTS

1. PROVIDE ALL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND LOCAL AND STATE ELECTRICAL CODES.
2. THE ELECTRICAL PLANS ARE DIAGRAMMATIC ONLY. REFER TO THE ARCHITECTURAL PLANS FOR THE EXACT DIMENSIONS OF THE BUILDING.
3. LOAD CALCULATIONS ARE BASED ON EXISTING BUILDING INFORMATION/DRAWINGS PROVIDED TO ENGINEERING. CONTRACTOR IS TO VERIFY ALL EXISTING RATINGS AND LOADS PRIOR TO PURCHASING OF SPECIFIED EQUIPMENT FOR COMPLIANCE TO NEC. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES AND REQUEST FURTHER DIRECTION BY ENGINEER.
4. EXISTING BUILDING EQUIPMENT IS NOTED ON THE DRAWINGS. NEW OR RELOCATED EQUIPMENT IS SHOWN WITH SOLID LINES. FUTURE EQUIPMENT (NOT IN THIS CONTRACT) IS DEPICTED WITH SHADED LINES. REQUEST CLARIFICATION OF DRAWINGS OR OF SPECIFICATIONS PRIOR TO PRICING OR INSTALLATION.
5. GENERAL
   A. AFTER CAREFULLY STUDYING THE DRAWINGS AND SPECIFICATIONS, AND BEFORE SUBMITTING THE PROPOSAL, MAKE A MANDATORY SITE VISIT TO ASCERTAIN CONDITIONS OF THE SITE, AND THE NATURE AND EXACT QUANTITY OF WORK TO BE PERFORMED. NO EXTRA COMPENSATION WILL BE ALLOWED FOR FAILURE TO NOTIFY THE OWNER, IN WRITING, OF ANY DISCREPANCIES THAT MAY HAVE BEEN NOTED BETWEEN THE EXISTING CONDITIONS AND THE DRAWINGS AND SPECIFICATIONS.
   B. VERIFY ALL MEASUREMENTS AT THE SITE AND BE RESPONSIBLE FOR CORRECTNESS OF SAME.
6. QUALITY, WORKMANSHIP, MATERIALS AND SAFETY
   A. PROVIDE NEW MATERIALS AND EQUIPMENT OF A DOMESTIC MANUFACTURER BY THOSE REGULARLY ENGAGED IN THE PRODUCTION AND MANUFACTURE OF SPECIFIED MATERIALS AND EQUIPMENT. WHERE UL, OR OTHER AGENCY, HAS ESTABLISHED STANDARDS FOR MATERIALS, PROVIDE MATERIALS WHICH ARE LISTED AND LABELED ACCORDINGLY. THE COMMERCIALLY STANDARD ITEMS OF EQUIPMENT AND THE SPECIFIC NAMES MENTIONED HEREIN ARE INTENDED FOR THE PROPER FUNCTIONING OF THE WORK.
   B. WORK SHALL BE PERFORMED BY WORKMEN SKILLED IN THE TRADE REQUIRED FOR THE WORK. INSTALL MATERIALS AND EQUIPMENT TO PRESENT A NEAT APPEARANCE WHEN COMPLETED AND IN ACCORDANCE WITH THE APPROVED RECOMMENDATIONS OF THE MANUFACTURER AND IN ACCORDANCE WITH CONTRACT DOCUMENTS.
   C. PROVIDE LABOR, MATERIALS, APPARATUS AND APPLIANCES ESSENTIAL TO THE FUNCTIONING OF THE SYSTEMS DESCRIBED OR INDICATED HEREIN, OR WHICH MAY BE REASONABLY IMPLIED AS ESSENTIAL WHENEVER MENTIONED IN THE CONTRACT DOCUMENT OR NOT.
   D. MAKE WRITTEN REQUESTS FOR SUPPLEMENTARY INSTRUCTIONS TO ARCHITECT/ENGINEER IN CASE OF DOUBT AS TO WORK INTENDED OR IN EVENT OF NEED FOR EXPLANATION THEREOF.
   E. PERFORMANCE AND MATERIAL REQUIREMENTS SCHEDULED OR SPECIFIED ARE MINIMUM STANDARD ACCEPTABLE. THE RIGHT TO JUDGE THE QUALITY OF EQUIPMENT THAT DEVIATES FROM THE CONTRACT DOCUMENT REMAINS SOLELY WITH ARCHITECT/ENGINEER. CONTRACT DOCUMENT OR NOT.

GUARANTEE

1. GUARANTEE MATERIALS, PARTS AND LABOR FOR WORK FOR ONE YEAR FROM THE DATE OF ISSUANCE OF OCCUPANCY PERMIT. DURING THAT PERIOD, MAKE GOOD FAULTS OR IMPERFECTIONS THAT MAY ARISE DUE TO DEFECTS OR OMISSIONS IN MATERIALS OR WORKMANSHIP WITH NO ADDITIONAL COMPENSATION AND AS DIRECTED BY ARCHITECT.

CLEANING

1. REMOVE ALL CONSTRUCTION DEBRIS RESULTING FROM THE WORK.
2. CLEAN EQUIPMENT AND SYSTEMS FOLLOWING THE COMPLETION OF THE PROJECT TO THE SATISFACTION OF THE ENGINEER.

COORDINATION AND SUPERVISION

1. CAREFULLY LAY OUT ALL WORK IN ADVANCE TO AVOID UNNECESSARY CUTTING, CHANNELING, CHASING OR DRILLING OF FLOORS, WALLS, PARTITIONS, CEILINGS OR OTHER SURFACES. WHERE SUCH WORK IS NECESSARY, HOWEVER, PATCH AND REPAIR THE WORK IN AN APPROVED MANNER BY SKILLED MECHANICS AT NO ADDITIONAL COST TO THE OWNER. RENDER FULL COOPERATION TO OTHER TRADES WHERE WORK WILL BE INSTALLED IN CLOSE PROXIMITY TO WORK OF OTHER TRADES. ASSIST IN WORKING OUT SPACE CONDITIONS. IF WORK IS INSTALLED BEFORE COORDINATION WITH OTHER TRADES, OR CAUSES INTERFERENCE, MAKE CHANGES NECESSARY TO CORRECT CONDITIONS WITHOUT EXTRA CHARGE.

SUBMITTALS

1. AS-BUILT DRAWINGS:
   A. UPON COMPLETION OF THE WORK, FURNISH TO THE OWNER "AS-BUILT" DRAWINGS.
2. SERVICE MANUALS:
   A. UPON COMPLETION OF THE WORK, FULLY INSTRUCT T-MOBILE AS TO THE OPERATION AND MAINTENANCE OF ALL MATERIAL, EQUIPMENT AND SYSTEMS.
   B. PROVIDE 3 COMPLETE BOUND SETS OF INSTRUCTIONS FOR OPERATING AND MAINTAINING ALL SYSTEMS AND EQUIPMENT.

CUTTING AND PATCHING

1. PROVIDE ALL CUTTING, DRILLING, ROUGH AND FINISH PATCHING REQUIRED TO COMPLETE THE WORK.
2. OBTAIN OWNER APPROVAL PRIOR TO CUTTING THROUGH FLOORS OR WALLS FOR PIPING OR CONDUIT.

TESTS, INSPECTION AND APPROVAL

1. BEFORE ENERGIZING ANY ELECTRICAL INSTALLATION, INSPECT EACH UNIT IN DETAIL. TIGHTEN ALL BOLTS AND CONNECTIONS (TORQUE-TIGHTEN WHERE REQUIRED) AND DETERMINE THAT ALL COMPONENTS ARE ALIGNED, AND THE EQUIPMENT IS IN SAFE, OPERATIONAL CONDITION.
2. PROVIDE THE COMPLETE ELECTRICAL SYSTEM FREE OF GROUND FAULTS AND SHORT CIRCUITS SUCH THAT THE SYSTEM WILL OPERATE SATISFACTORILY UNDER FULL LOAD CONDITIONS, WITHOUT EXCESSIVE HEATING AT ANY POINT IN THE SYSTEM.

SPECIAL REQUIREMENTS

1. DO NOT LEAVE ANY WORK INCOMPLETE NOR ANY HAZARDOUS SITUATIONS CREATED WHICH WILL AFFECT THE LIFE OR SAFETY OF THE PUBLIC AND/OR BUILDING OCCUPANTS. DO NOT INTERFERE WITH OR CUTOFF ANY OF THE EXISTING SERVICES WITHOUT THE OWNER'S WRITTEN PERMISSION.
2. WHEN NECESSARY TO TEMPORARILY DISCONNECT ANY EXISTING BUILDING UTILITIES AND SERVICE SYSTEMS, INCLUDING FEEDER OR BRANCH CIRCUITING SUPPLYING EXISTING FACILITIES, CONFER WITH THE OWNER AND ARRANGE THE PERIOD OF INTERRUPTION FOR A TIME MUTUALLY AGREED UPON. SHUTDOWN NOTE: SCHEDULE AND NOTIFY OWNER 48 HOURS PRIOR TO SHUTDOWN. ALL SHUTDOWN WORK TO BE SCHEDULED AT A TIME CONVENIENT TO OWNER.

GROUNDING

1. ROUTE ALL GROUNDING CONDUCTORS AS SHOWN ON CONDUIT/GROUNDING RISER.
2. ROUTE 500 KCMIL CU. THHN CONDUCTOR FROM THE MGB LOCATION TO BUILDING STEEL. VERIFY BUILDING STEEL IS EFFECTIVELY GROUNDED PER NEC TO THE MAIN SERVICE GROUNDING ELECTRODE CONDUCTOR (GEC).
3. MAKE ALL GROUND CONNECTIONS FROM MGB TO ELECTRICAL EQUIPMENT WITH 2 HOLE, CRIMP TYPE, BURNDY COMPRESSION TERMINATIONS, SIZED AS REQUIRED.
4. USE 1 HOLE, CRIMP TYPE, BURNDY COMPRESSIONS TERMINATIONS, SIZED AS REQUIRED, AT EQUIPMENT GROUND CONNECTIONS.
5. HIRE AN INDEPENDENT LAB TO PERFORM THE SPECIFIED OHMS TESTING. PROVIDE 4 SETS OF THE CERTIFIED DOCUMENTS TO THE OWNER FOR VERIFICATION PRIOR TO THE PROJECT COMPLETION.

RACEWAYS

1. ALL WIRING TO BE INSTALLED IN CONDUIT SYSTEMS IN ACCORDANCE WITH THE FOLLOWING:
   A. EXTERIOR FEEDERS AND CONTROL, WHERE UNDERGROUND, TO BE IN SCH 40 PVC.
   B. EXTERIOR, ABOVE GROUND POWER CONDUITS TO BE GALVANIZED RIGID STEEL (RGS).
   C. ALL TELECOMMUNICATION CONDUITS, INTERIOR/EXTERIOR, TO BE EMT.
   D. INSTALL PULL ROPES IN ALL NEW EMPTY CONDUITS INSTALLED ON THIS PROJECT.
   E. ALL TELECOM CONDUITS AND PULL BOXES INSTALLED ON THIS PROJECT TO BE LABELED "T-MOBILE". OWNER WILL PROVIDE LABELS FOR CONTRACTOR TO INSTALL.
   F. INTERIOR FEEDERS TO BE INSTALLED IN E.M.T. WITH STEEL COMPRESSION FITTINGS.
   G. MINIMUM SIZE CONDUIT TO BE ¾" TRADE SIZE UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
   H. FINAL CONNECTIONS TO MOTORS AND VIBRATING EQUIPMENT TO BE INSTALLED IN LIQUID-TIGHT FLEXIBLE METAL CONDUIT.
   I. CONDUIT TO BE RUN CONCEALED IN CEILINGS, FINISHED AREAS OR DRYWALL PARTITIONS, UNLESS OTHERWISE NOTED.
   J. THE ROUTING OF CONDUITS INDICATED ON THE DRAWINGS IS DIAGRAMMATIC. BEFORE INSTALLING ANY WORK, EXAMINE THE WORKING LAYOUTS AND SHOP DRAWINGS OF THE OTHER TRADES TO DETERMINE THE EXACT LOCATIONS AND CLEARANCES.
   K. ALL EXTERIOR MOUNTING HARDWARE TO BE GALVANIZED STEEL. COORDINATE WITH BUILDING ENGINEER PRIOR TO ATTACHING TO BUILDING STRUCTURE.

RACEWAYS CONT'D

   L. PENETRATIONS OF WALLS, FLOORS AND ROOFS, FOR THE PASSAGE OF ELECTRICAL RACEWAYS, TO BE PROPERLY SEALED AFTER INSTALLATION OF RACEWAYS SO AS TO MAINTAIN THE STRUCTURAL OR WATERPROOF INTEGRITY OF THE WALL, FLOOR OR ROOF SYSTEM TO BE PENETRATED. SEAL ALL CONDUIT PENETRATIONS THROUGH FIRE OR SMOKE RATED WALLS, CEILINGS OR SMOKE TIGHT CORRIDOR PARTITIONS TO MAINTAIN PROPER RATING OF WALL OR CEILING.
   M. PROVIDE ALL CONDUIT ENDS WITH INSULATED METALLIC GROUNDING BUSHINGS.
   N. CONDUIT TO BE SUPPORTED AT MAXIMUM DISTANCE OF 8'-0", OR AS REQUIRED BY NEC, IN HORIZONTAL AND VERTICAL DIRECTIONS.
   O. PROVIDE STAINLESS STEEL BLANK COVER PLATES FOR ALL JUNCTION BOXES AND/OR OUTLET BOXES NOT USED IN EXPOSED AREAS. PROVIDE ALL OTHER UNUSED BOXES WITH STANDARD STEEL COVER PLATES.
   P. WHERE APPLICABLE, PROVIDE ROOFTOP CONDUIT SUPPORT SYSTEM, CONFORMING TO ROOFTOP WARRANTY REQUIREMENTS, PER BUILDING.

WIRES AND CABLES

1. CONTRACTOR TO COORDINATE WITH EQUIPMENT SUPPLIER AND VENDOR FOR EXACT EQUIPMENT OVER-CURRENT PROTECTION VOLTAGE, WIRE SIZE AND PLUG CONFIGURATION, IF APPLICABLE, PRIOR TO BID.
2. ALL EQUIPMENT/DEVICES TO BE PROVIDED WITH INSULATED GROUND CONDUCTOR.
3. ALL WIRE AND CABLE TO BE 600VOLT, COPPER, WITH THWN/THHN INSULATION, EXCEPT AS NOTED.
4. WIRE FOR POWER AND LIGHTING WILL NOT BE LESS THAN NO. 12AWG. ALL WIRE NO. 8 AND LARGER TO BE STRANDED.
5. CONTROL WIRING IS NOT TO BE LESS THAN NO. 14AWG, FLEXIBLE IN SINGLE CONDUCTORS OR MULTI-CONDUCTOR CABLES. CONTROL WIRING WILL CONSIST OF MULTI-CONDUCTOR CABLES WHEREVER POSSIBLE. CABLES TO BE PROVIDED WITH AN OVERALL FLAME-RETARDANT, EXTRUDED JACKET AND RATED FOR PLENUM USE. ALL CONTROL WIRE TO BE 600VOLT RATED.
6. WIRE PREVIOUSLY PULLED INTO CONDUIT IS CONSIDERED USED AND IS NOT TO BE RE-PULLED.
7. HOME RUNS AND BRANCH CIRCUIT WIRING FOR 20A, 120V CIRCUITS:

LENGTH (FT.)	HOME RUN WIRE SIZE
0 TO 50	NO. 12
51 TO 100	NO. 10
101 TO 150	NO. 8

8. VOLTAGE DROP IS NOT TO EXCEED 3%.
9. MAKE ALL CONNECTIONS WITH UL APPROVED, SOLDERLESS, PRESSURE TYPE INSULATED CONNECTORS: SCOTCHLOK OR AND APPROVED EQUAL.

WIRING DEVICES

1. ALL RECEPTACLES INSTALLED IN THIS PROJECT TO BE GROUNDING TYPE, WITH GROUNDING PIN SLOT CONNECTED TO DEVICE GROUND SCREW FOR GROUND WIRE CONNECTION.

DISCONNECT SWITCHES AND FUSES

1. DISCONNECT SWITCHES TO BE VOLTAGE-RATED TO SUIT THE CHARACTERISTICS OF THE SYSTEM FROM WHICH THEY ARE SUPPLIED.
2. PROVIDE HEAVY-DUTY, METAL-ENCLOSED, EXTERNALLY-OPERATED DISCONNECT SWITCHES, FUSED OR UNFUSED, OF SUCH TYPE AND SIZE AS REQUIRED TO PROPERLY PROTECT OR DISCONNECT THE LOAD FOR WHICH THEY ARE INTENDED.
3. PROVIDE NEMA 1 DISCONNECT SWITCHES FOR INTERIOR INSTALLATION, NEMA 3R FOR EXTERIOR INSTALLATION.
4. DISCONNECT SWITCHES TO BE MANUFACTURED BY:
   A. GENERAL ELECTRIC COMPANY
   B. SQUARE-D
5. PROVIDE RK-1 TYPE FUSES, UNLESS NOTED OTHERWISE.

INSTALLATION

1. INSTALL DISCONNECT SWITCHES WHERE INDICATED ON DRAWINGS.
2. INSTALL FUSES IN FUSIBLE DISCONNECT SWITCHES. FUSES MUST MATCH IN TYPE AND RATING.
3. FUSES TO BE MOUNTED SO THAT THE LABELS SHOWING THEIR RATINGS CAN BE READ WITHOUT REQUIRING FUSE REMOVAL.
4. FURNISH AND DEPOSIT SPARE FUSES AT THE JOB SITE AS FOLLOWS:
   A. THREE SPARES FOR EACH TYPE AND SIZE, IN EXCESS OF 60A, USED FOR INITIAL FUSING.
   B. TEN PERCENT SPARES FOR EACH TYPE AND SIZE, UP TO AND INCLUDING 60A, USED FOR INITIAL FUSING. IN NO CASE WILL LESS THAN THREE FUSES OF ONE PARTICULAR TYPE AND SIZE BE FURNISHED.

GENERAL NOTES:

INTENT

1. THESE SPECIFICATIONS AND CONSTRUCTION DRAWINGS ACCOMPANYING THEM DESCRIBE THE WORK TO BE DONE AND THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION.
2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE FULLY EXPLANATORY AND SUPPLEMENTARY. HOWEVER, SHOULD ANYTHING BE SHOWN, INDICATED, OR SPECIFIED ON ONE AND NOT THE OTHER, IT SHALL BE DONE THE SAME AS IF SHOWN, INDICATED OR SPECIFIED IN BOTH
3. THE INTENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.
4. THE PURPOSE OF THE SPECIFICATIONS IS TO INTERPRET THE INTENT OF THE DRAWINGS AND TO DESIGNATE THE METHOD OF THE PROCEDURE, TYPE AND QUALITY OF MATERIALS REQUIRED TO COMPLETE THE WORK.
5. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT ISSUING A CHANGE ORDER.

CONFLICTS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATIONS OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSION WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE OWNER FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS.
2. THE BIDDER, IF AWARDED THE CONTRACT, WILL NOT BE ALLOWED ANY EXTRA COMPENSATION BY REASON OF ANY MATTER OR THING CONCERNING SUCH BIDDER MIGHT HAVE FULLY INFORMED THEMSELVES PRIOR TO THE BIDDING.
3. NO PLEA OF IGNORANCE OF CONDITIONS THAT EXIST, OR OF DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED, OR OF ANY OTHER RELEVANT MATTER CONCERNING THE WORK TO BE PERFORMED IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL EVERY DETAIL OF ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS GOVERNING THE WORK.

CONTRACTS AND WARRANTIES

1. CONTRACTOR IS RESPONSIBLE FOR APPLICATION AND PAYMENT OF CONTRACTOR LICENSES AND BONDS.
2. SEE MASTER CONTRACTION SERVICES AGREEMENT FOR ADDITIONAL DETAILS.

STORAGE

1. ALL MATERIALS MUST BE STORED IN A LEVEL AND DRY FASHION AND IN A MANNER THAT DOES NOT NECESSARILY OBSTRUCT THE FLOW OF OTHER WORK. ANY STORAGE METHOD MUST MEET ALL RECOMMENDATIONS OF THE ASSOCIATED MANUFACTURER.

CLEANUP

1. THE CONTRACTORS SHALL, AT ALL TIMES, KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THEIR EMPLOYEES AT WORK AND AT THE COMPLETION OF THE WORK. THEY SHALL REMOVE ALL RUBBISH FROM AND ABOUT THE BUILDING AREA, INCLUDING ALL THEIR TOOLS, SCAFFOLDING AND SURPLUS MATERIALS AND SHALL LEAVE THEIR WORK CLEAN AND READY TO USE.
2. EXTERIOR
   A. VISUALLY INSPECT EXTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES AND OTHER FOREIGN MATTER.
   B. REMOVE ALL TRACES OF SPLASHED MATERIALS FROM ADJACENT SURFACES.
   C. IF NECESSARY, TO ACHIEVE A UNIFORM DEGREE OF CLEANLINESS, HOSE DOWN THE EXTERIOR OF THE STRUCTURE.
3. INTERIOR
   A. VISUALLY INSPECT INTERIOR SURFACE AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES AND OTHER FOREIGN MATTER FROM WALLS, FLOOR, AND CEILING.
   B. REMOVE ALL TRACES OF SPLASHED MATERIALS FROM ADJACENT SURFACES.
   C. REMOVE PAINT DROPPINGS, SPOTS, STAINS, AND DIRT FROM FINISHED SURFACES.

CHANGE ORDER PROCEDURE:

1. REFER TO SECTION 17 OF SIGNED MCSA: SEE PROFESSIONAL SERVICE AGREEMENT FOR MCSA.

RELATED DOCUMENTS AND COORDINATION

1. GENERAL CARPENTRY, ELECTRICAL AND ANTENNA DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK, THE CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL COORDINATION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.

SHOP DRAWINGS

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS REQUIRED AND LISTED IN THESE SPECIFICATIONS TO THE OWNER FOR APPROVAL.
2. ALL SHOP DRAWINGS SHALL BE REVIEWED, CHECKED AND CORRECTED BY CONTRACTOR PRIOR TO SUBMITTAL TO THE OWNER.

PRODUCTS AND SUBSTITUTIONS

1. SUBMIT 3 COPIES OF EACH REQUEST FOR SUBSTITUTION. IN EACH REQUEST, IDENTIFY THE PRODUCT OR FABRICATION OR INSTALLATION METHOD TO BE REPLACED BY THE SUBSTITUTION. INCLUDE RELATED SPECIFICATION SECTION AND DRAWING NUMBERS AND COMPLETE DOCUMENTATION SHOWING COMPLIANCE WITH THE REQUIREMENTS FOR SUBSTITUTIONS.
2. SUBMIT ALL NECESSARY PRODUCT DATA AND CUT SHEETS WHICH PROPERLY INDICATE AND DESCRIBE THE ITEMS, PRODUCTS AND MATERIALS BEING INSTALLED. THE CONTRACTOR SHALL, IF DEEMED NECESSARY BY THE OWNER, SUBMIT ACTUAL SAMPLES TO THE OWNER FOR APPROVAL IN LIEU OF CUT SHEETS.

QUALITY ASSURANCE

1. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THESE SHALL INCLUDE, BUT NOT BE LIMITED TO THE APPLICABLE CODES SET FORTH BY THE LOCAL GOVERNING BODY. SEE "CODE COMPLIANCE" T-1.

ADMINISTRATION

1. BEFORE THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR WILL ASSIGN A PROJECT MANAGER WHO WILL ACT AS A SINGLE POINT OF CONTACT FOR ALL PERSONNEL INVOLVED IN THIS PROJECT. THIS PROJECT MANAGER WILL DEVELOP A MASTER SCHEDULE FOR THE PROJECT WHICH WILL BE SUBMITTED TO THE OWNER PRIOR TO THE COMMENCEMENT OF ANY WORK.
2. SUBMIT A BAR TYPE PROGRESS CHART, NOT MORE THAN 3 DAYS AFTER THE DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK ON THE SCHEDULE, INDICATING A TIME BAR FOR EACH MAJOR CATEGORY OR UNIT OF WORK TO BE PERFORMED AT THE SITE, PROPERLY SEQUENCED AND COORDINATED WITH OTHER ELEMENTS OF WORK AND SHOWING COMPLETION OF THE WORK SUFFICIENTLY IN ADVANCE OF THE DATE ESTABLISHED FOR SUBSTANTIAL COMPLETION OF THE WORK.
3. PRIOR TO COMMENCING CONSTRUCTION, THE OWNER SHALL SCHEDULE AN ON-SITE MEETING WITH ALL MAJOR PARTIES. THIS WOULD INCLUDE, BUT NOT LIMITED TO, THE OWNER, PROJECT MANAGER, CONTRACTOR, LAND OWNER REPRESENTATIVE, LOCAL TELEPHONE COMPANY, TOWER ERECTION FOREMAN (IF SUBCONTRACTED).
4. CONTRACTOR SHALL BE EQUIPPED WITH SOME MEANS OF CONSTANT COMMUNICATIONS, SUCH AS A MOBILE PHONE OR A BEEPER. THIS EQUIPMENT WILL NOT BE SUPPLIED BY THE OWNER, NOR WILL WIRELESS SERVICE BE ARRANGED.
5. DURING CONSTRUCTION, CONTRACTOR MUST ENSURE THAT EMPLOYEES AND SUBCONTRACTORS WEAR HARD HATS AT ALL TIMES. CONTRACTOR WILL COMPLY WITH ALL WPCS SAFETY REQUIREMENTS IN THEIR AGREEMENT.
6. PROVIDE WRITTEN DAILY UPDATES ON SITE PROGRESS TO THE OWNER.
7. COMPLETE INVENTORY OF CONSTRUCTION MATERIALS AND EQUIPMENT IS REQUIRED PRIOR TO START OF CONSTRUCTION.
8. NOTIFY THE OWNER/PROJECT MANAGER IN WRITING NO LESS THAN 48 HOURS IN ADVANCE OF CONCRETE POURS, TOWER ERECTIONS, AND EQUIPMENT CABINET PLACEMENTS.

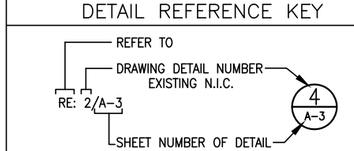
INSURANCE AND BONDS

1. CONTRACTOR, AT THEIR OWN EXPENSE, SHALL CARRY AND MAINTAIN, FOR THE DURATION OF THE PROJECT, ALL INSURANCE, AS REQUIRED AND LISTED, AND SHALL NOT COMMENCE WITH THEIR WORK UNTIL THEY HAVE PRESENTED AN ORIGINAL CERTIFICATE OF INSURANCE STATING ALL COVERAGES TO THE OWNER. REFER TO THE MASTER AGREEMENT FOR REQUIRED INSURANCE LIMITS.
2. THE OWNER SHALL BE NAMED AS AN ADDITIONAL INSURED ON ALL POLICIES.
3. CONTRACTOR MUST PROVIDE PROOF OF INSURANCE.

ARCHITECTURAL SYMBOLS

STORAGE
38
3

DETAIL REFERENCE KEY



ABBREVIATIONS

ADJ	ADJUSTABLE
AGL	ABOVE GROUND LINE
&	AND
APPROX	APPROXIMATE
@	AT
BTS	BASE TRANSMISSION STATION
CAB	CABINET
CLG	CEILING
CONC	CONCRETE
CONT	CONTINUOUS
DIA OR ø	DIAMETER
DWG	DRAWING
EA	EACH
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EGB	EQUIPMENT GROUND BAR
(E)	EXISTING
EXT	EXTERIOR
FF	FINISHED FLOOR
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GRND	GROUND
LG	LONG
MAX	MAXIMUM
MECH	MECHANICAL
MW	MICROWAVE DISH
MFR	MANUFACTURER
MGB	MASTER GROUND BAR
MIN	MINIMUM
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE
(P)	PROPOSED
PCS	PERSONAL COMMUNICATION SYSTEM
PPC	POWER PROTECTION CABINET
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SS	STAINLESS STEEL
STL	STEEL
TOC	TOP OF CONCRETE
TOM	TOP OF MASONRY
TYP	TYPICAL
VIF	VERIFY IN FIELD
UON	UNLESS OTHERWISE NOTED
WWF	WELDED WIRE FABRIC
W/	WITH

T-MOBILE NORTHEAST, LLC
35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
OFFICE: (860) 692-7100
FAX:(860) 692-7159

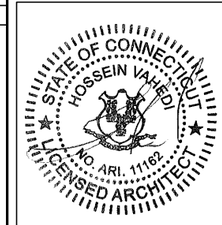
ATLANTIS GROUP
1340 Centre Street, Suite 212
Newton Center, MA 02459
Office: 617-965-0789
Fax: 617-213-5056

SUBMITTALS

DATE	DESCRIPTION	REVISION
02/16/15	ISSUED FOR REVIEW	A
02/18/15	REVISION	0
02/19/15	REVISION	1
03/05/15	FINAL CD	2

DEPT.	DATE	APP'D	REVISIONS
RFE			
RF MAN.			
ZONING			
OPS			
CONSTR.			
SITE AC.			

PROJECT NO:	CT11070B
DRAWN BY:	FG
CHECKED BY:	SM

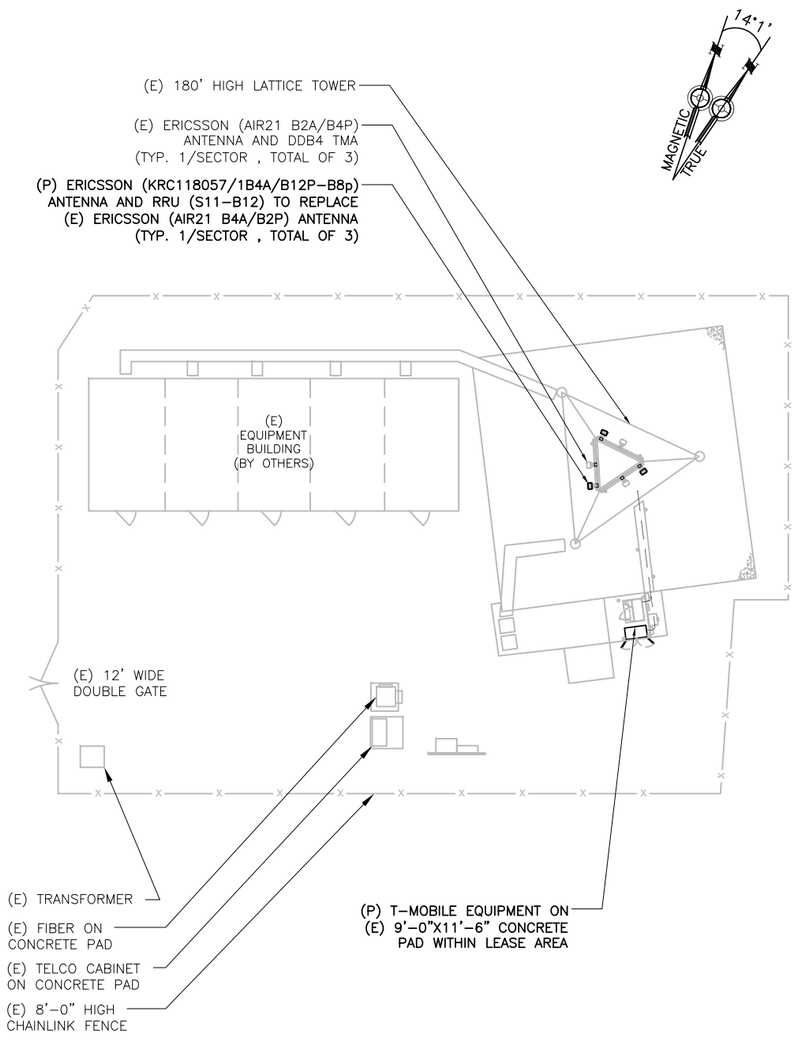


PROFESSIONAL SEAL

SITE NAME
CT11070B
SITE NAME
CONNECTICUT STATE POLICE #2
SITE ADDRESS
150 BUTTERNUT HOLLOW RD
GREENWICH ,CT 06830

SHEET TITLE
GENERAL AND ELECTRICAL NOTES

SHEET NUMBER
N-1



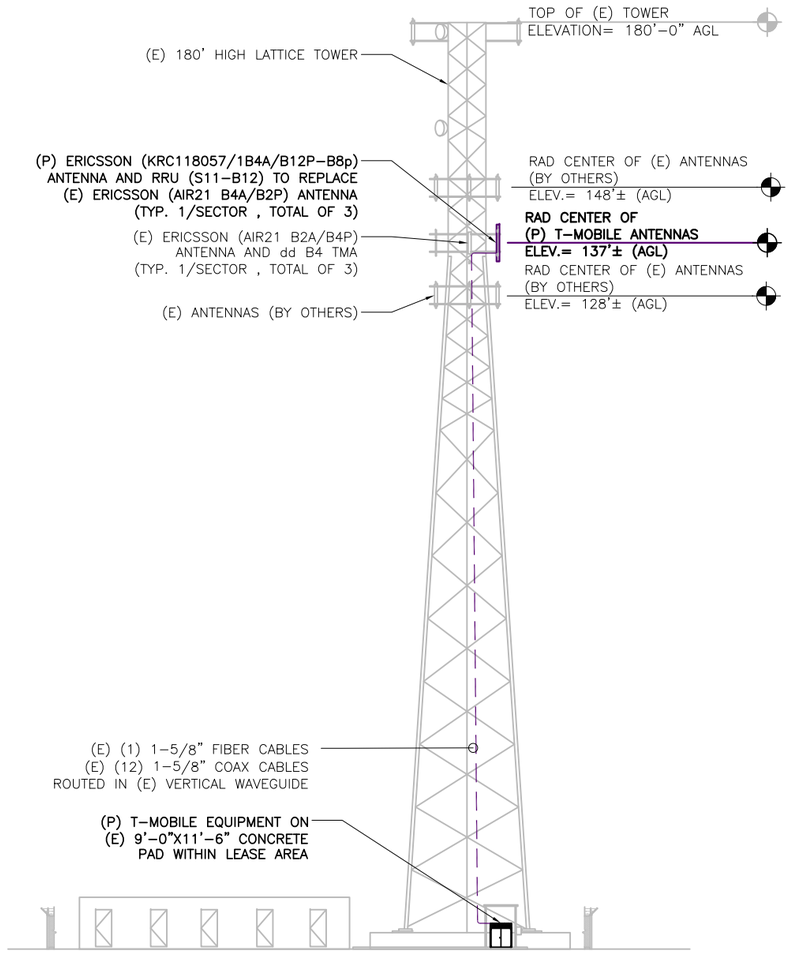
SITE PLAN

1 / A–1

SCALE: 1" = 30'–0" (11x17)
1" = 15'–0" (24x36)

0 30 60 90

SCALE 1"=30' (11x17)
1"=15' (24x36)



ELEVATION VIEW

2 / A–1

SCALE: 1" = 30'–0" (11x17)
1" = 15'–0" (24x36)

0 30 60 90

SCALE 1"=30' (11x17)
1"=15' (24x36)

GENERAL SITE NOTES

1. SITE INFORMATION WAS OBTAINED FROM A FIELD INVESTIGATION PERFORMED BY ATLANTIS GROUP, INC. CONTRACTOR TO FIELD VERIFY DIMENSIONS AS NECESSARY BEFORE CONSTRUCTION.

2. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE SIGNS OF ADVERTISING.

3. THE PROPOSED DEVELOPMENT IS UNMANNED AND THEREFORE DOES NOT REQUIRE A MEANS OF WATER SUPPLY OR SEWAGE DISPOSAL.

4. NO LANDSCAPING WORK IS PROPOSED IN CONJUNCTION WITH THIS DEVELOPMENT OTHER THAN THAT WHICH IS SHOWN.

5. THE PROPOSED DEVELOPMENT DOES NOT INCLUDE OUTDOOR STORAGE OR ANY SOLID WASTE RECEPTACLES.

6. UTILITIES SHOWN ON PLAN ARE TAKEN FROM OWNERS RECORDS AND FIELD LOCATION OF VISIBLE SURFACE FEATURES. THE EXISTENCE, EXTENT AND EXACT HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES HAS NOT BEEN VERIFIED. ANY CONTRACTOR PERFORMING WORK ON THIS SITE MUST CONTACT CALL BEFORE YOU DIG THREE WORKING DAYS PRIOR TO COMMENCING WORK.

7. ALL OBSOLETE OR UNUSED FACILITIES SHALL BE REMOVED WITHIN 12 MONTHS OF CESSATION OF OPERATIONS.

SITE LEGEND

- SITE PROPERTY LINE
- STREET OR ROAD
- CHAIN LINK FENCE
- OPAQUE WOODEN FENCE
- BOARD ON BOARD FENCE
- DECIDUOUS TREES/SHRUBS
- EVERGREEN TREES/SHRUBS
- TREE LINE
- UTILITY POLE
- (E) EXISTING
- (N) NEW
- (P) PROPOSED
- (F) FUTURE
- PROP. LTE ANTENNA
- PROP. UMTS/GSM ANTENNA
- EX. GSM ANTENNA
- EX. UMTS ANTENNA

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BLOOMFIELD, CT 06002
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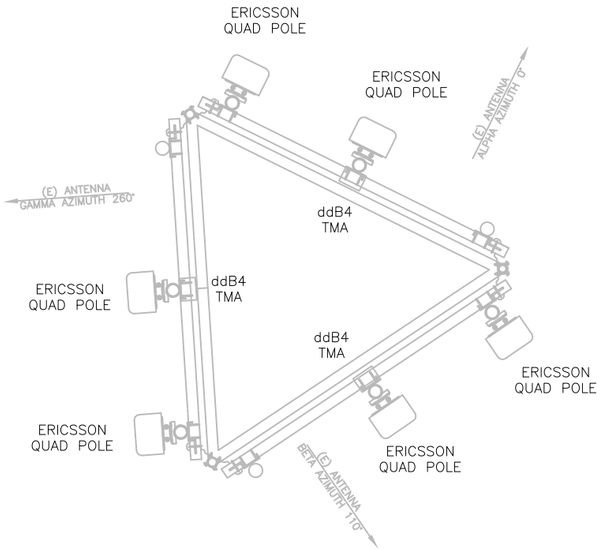
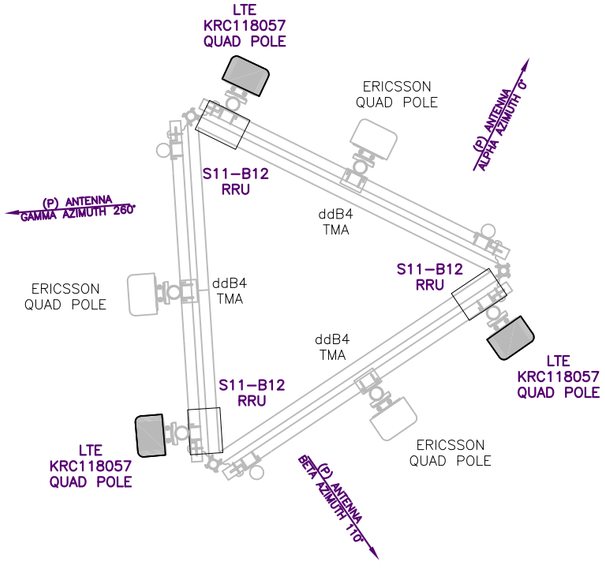
SITE NAME
CONNECTICUT STATE POLICE #2
SITE ADDRESS
150 BUTTERNUT HOLLOW RD
GREENWICH ,CT 06830

SHEET TITLE
PLOT PLAN, SITE PLAN AND ELEVATION

SHEET NUMBER
A-1



EXISTING ANTENNA

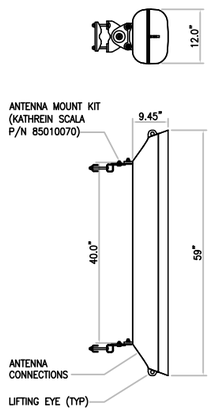


PROPOSED ANTENNA

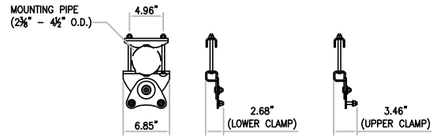
ANTENNA PLAN

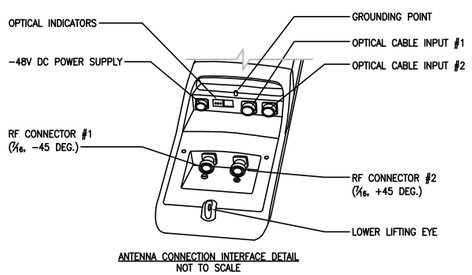
SCALE: N.T.S

1 / A–2



AIR21 "ANTENNA INTEGRATED RADIO"
(PCS & AWS VERSIONS)
WEIGHT: 80LBS (36KG)





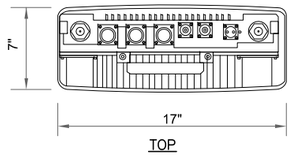
ANTENNA CONNECTION INTERFACE DETAIL
NOT TO SCALE

KRC118057/1B4A/B12P–B8p

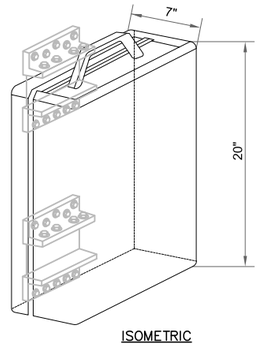
ANTENNA DETAILS

SCALE: N.T.S

2 / A–2



TOP

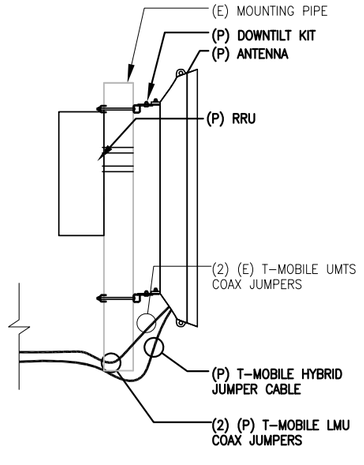


ISOMETRIC

RRUS 11 B12 DETAILS

SCALE: N.T.S

3 / A–2



ANTENNA MOUNTING DETAIL

SCALE: N.T.S

4 / A–2

REFER TO STRUCTURAL ANALYSIS DOCUMENT ENTITLED, "DETAILED STRUCTURAL ANALYSIS AND EVALUATION OF AN EXISTING 180' SELF SUPPORTING LATTICE TOWER WITH STACK–N–BOLT SYSTEM AND FOUNDATION FOR PROPOSED ANTENNA ARRANGEMENT" PREPARED BY AECOM, "T–MOBILE SITE ID CT1070B", DATED MARCH 4, 2015.

T-MOBILE NORTHEAST, LLC
35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
OFFICE: (860) 692-7100
FAX:(860) 692-7159

ATLANTIS GROUP
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RF MAN.			
ZONING			
OPS			
CONSTR.			
SITE AC.			

PROJECT NO:	CT11070B
DRAWN BY:	FG
CHECKED BY:	SM

STATE OF CONNECTICUT
HOSSEIN VAHEDI
NO. ARI. 11162
LICENSED ARCHITECT

PROFESSIONAL SEAL

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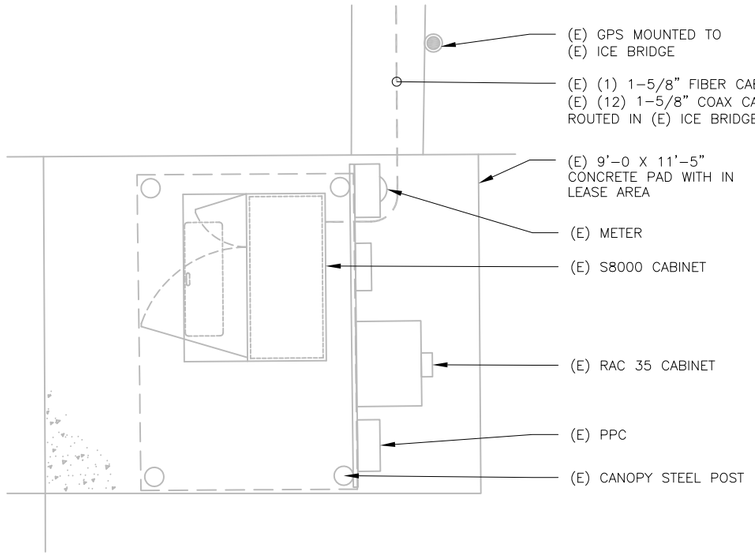
CT11070B
SITE NAME
CONNECTICUT STATE POLICE #2
SITE ADDRESS
150 BUTTERNUT HOLLOW RD
GREENWICH ,CT 06830

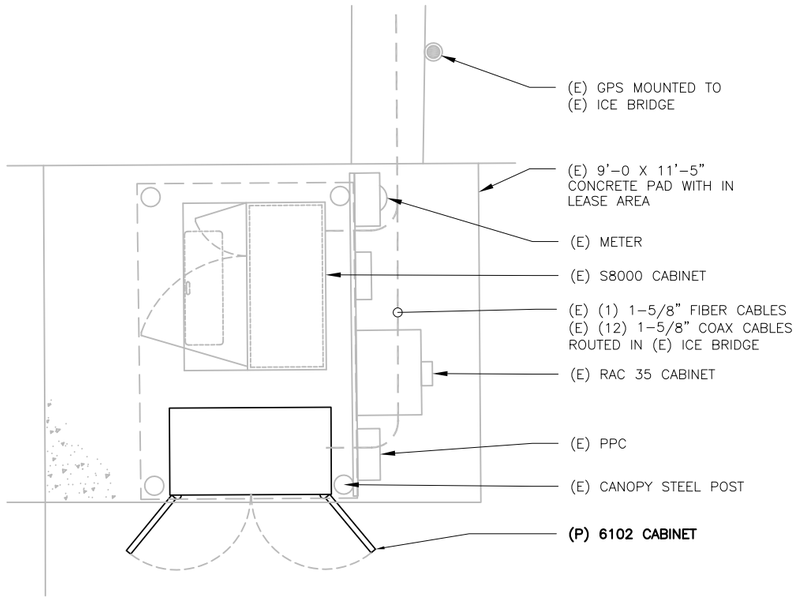
SHEET TITLE
ANTENNA PLAN AND DETAILS

SHEET NUMBER
A-2

REFER TO STRUCTURAL ANALYSIS DOCUMENT ENTITLED, "DETAILED STRUCTURAL ANALYSIS AND EVALUATION OF AN EXISTING 180' SELF SUPPORTING LATTICE TOWER WITH STACK-N-BOLT SYSTEM AND FOUNDATION FOR PROPOSED ANTENNA ARRANGEMENT" PREPARED BY AECOM, "T-MOBILE SITE ID CT1070B", DATED MARCH 4, 2015.



EXISTING EQUIPMENT LAYOUT PLAN



PROPOSED EQUIPMENT LAYOUT PLAN

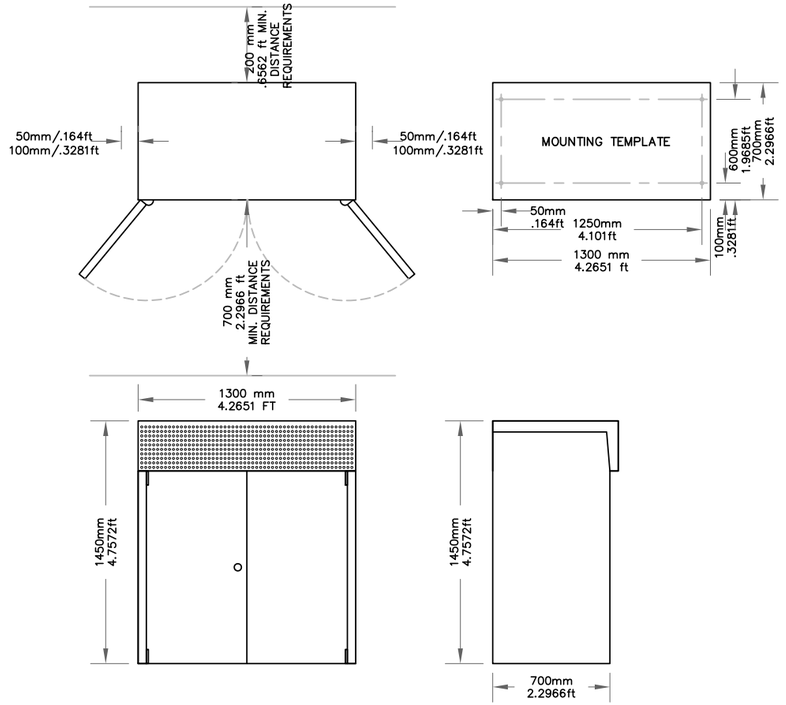
EQUIPMENT PLAN

1 / A-3

SCALE: 1/4" = 1'-0" (11x17)
1/2" = 1'-0" (24x36)

0 4 8 12

SCALE 1/4"=1' (11x17)
1/2"=1' (24x36)



ERICSSON RBS 6102 CABINET

2 / A-3

SCALE: N.T.S

T-MOBILE NORTHEAST, LLC
35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
OFFICE: (860) 692-7100
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ATLANTIS GROUP
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OPS			
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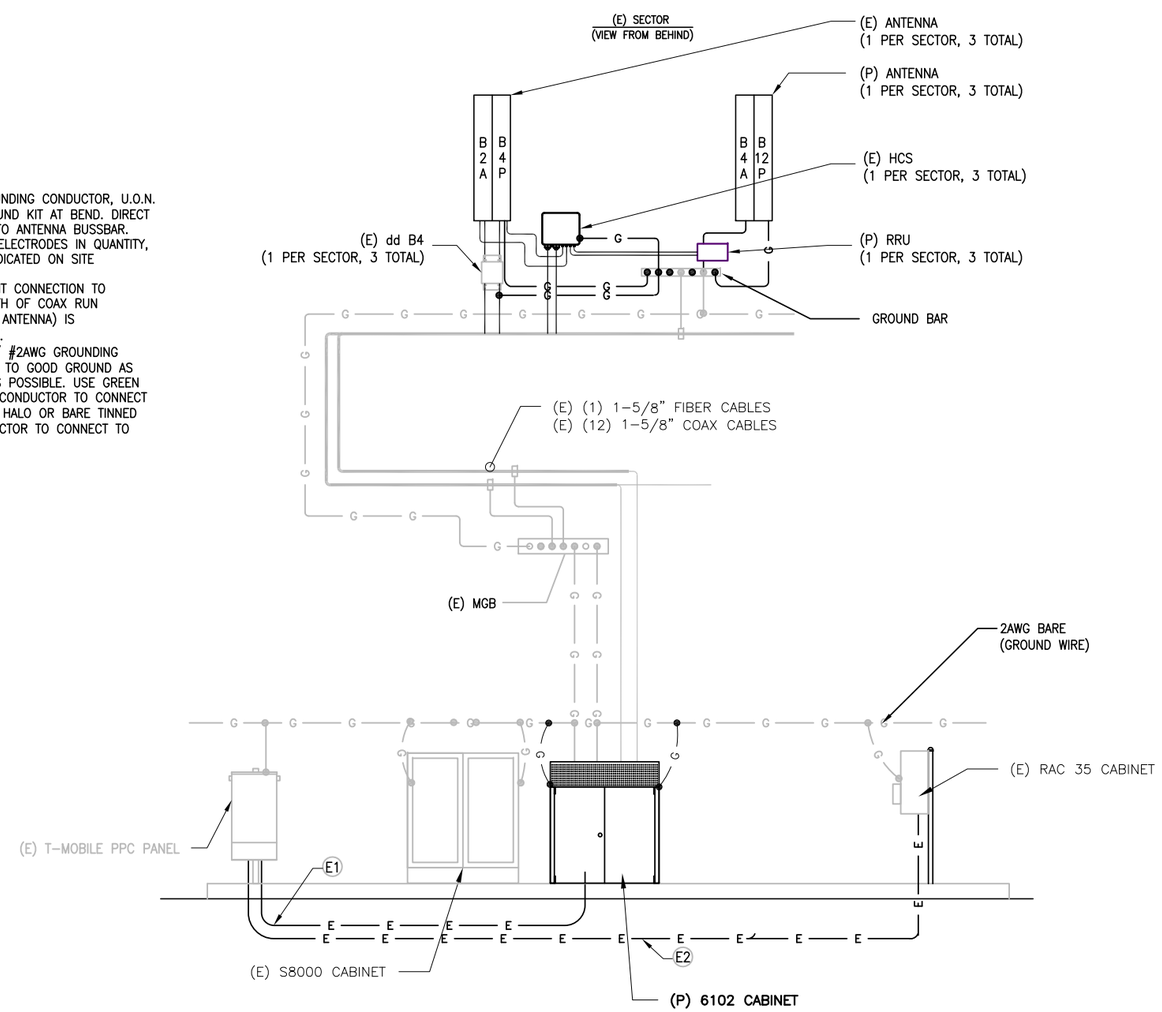
GREENWICH ,CT 06830

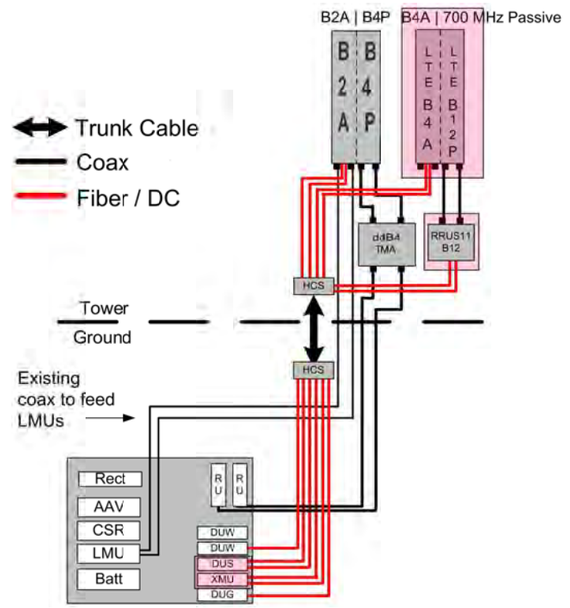
SHEET TITLE
EQUIPMENT PLAN AND DETAILS

SHEET NUMBER
A-3

NOTES:
A. PROVIDE #2AWG GROUNDING CONDUCTOR, U.O.N.
B. DO NOT INSTALL GROUND KIT AT BEND. DIRECT GROUND WIRE DOWN TO ANTENNA BUSSBAR.
C. PROVIDE GROUNDING ELECTRODES IN QUANTITY, TYPE AND SIZE AS INDICATED ON SITE GROUNDING PLAN.
D. ADD COAX GROUND KIT CONNECTION TO BUSSBAR WHEN LENGTH OF COAX RUN (FROM EQUIPMENT TO ANTENNA) IS GREATER THAN 20'-0".
E. GROUND HCS BOX W/ #2AWG GROUNDING CONDUCTOR ATTACHED TO GOOD GROUND AS DIRECT AND SHORT AS POSSIBLE. USE GREEN STRANDED INSULATED CONDUCTOR TO CONNECT TO BUSSBAR/GROUND HALO OR BARE TINNED SOLID COPPER CONDUCTOR TO CONNECT TO GROUND RING.



GROUNDING DIAGRAM
SCALE: N.T.S
1
E-1



TRUNK FIBER NOTES:
1. IN GENERAL THIS CABLE WILL HANDLE SIMILARLY TO ⅞" COAXIAL CABLE, AND SIMILAR INSTALLATION TECHNIQUES APPLY. ALL CABLES ARE INDIVIDUALLY SERIALIZED, BE SURE TO WRITE DOWN THE CABLE SERIAL NUMBER FOR FUTURE REFERENCE.
2. THE TERMINATED FIBER ENDS (THE BROKEN OUT FIBERS PLUS CONNECTORS) HOWEVER ARE FRAGILE, AND THESE MUST BE PROTECTED DURING THE INSTALLATION PROCESS.
3. LEAVE THE PROTECTIVE TUBE AND SOCK AROUND THE FIBER TAILS AND CONNECTORS IN PLACE DURING HOISTING AND SECURING THE CABLE. REMOVE THIS ONLY JUST PRIOR TO MAKING THE FINAL CONNECTIONS TO THE OVP BOX.
4. DO NOT BEND THE FIBER ENDS (IN THE ORANGE FURCATION TUBES) TIGHTER THAN ¾" (19MM) BEND RADIUS, ELSE THERE IS A RISK OF BREAKING THE GLASS FIBERS.
5. BE SURE THAT THE LACE UP ENDS AND FIBER CONNECTORS ARE NOT DAMAGED BY ATTACHMENT OF A HOISTING GRIP OR DURING THE HOISTING PROCESS. ATTACH A HOISTING GRIP ON THE JACKETED CABLE NO LESS THAN 6 INCHES BELOW THE FIBER BREAKOUT POINT. IF A HOISTING GRIP IS NOT EASILY ATTACHED, USE A SIMPLE LINE ATTACHED BELOW THE FIBER BREAK-OUT POINT (I.E. AT THE CABLE OUTER JACKET). PREVENT THE FIBER TAILS (IN PROTECTIVE TUBE) AT THE CABLE END FROM UNDUE MOVEMENT DURING HOISTING BY SECURING THE PROTECTIVE TUBE (WITH OUTER SOCK) TO THE HOISTING LINE.
6. DURING HOISTING ENSURE THAT THERE IS A FREE PATH AND THAT THE CABLE, AND ESPECIALLY THE FIBER ENDS, WILL NOT BE SNAGGED ON TOWER MEMBERS OR OTHER OBSTACLES.
7. INSTALLATION TEMPERATURE RANGE IS -22F TO 158F (-30C TO +70C).
8. MINIMUM CABLE BEND RADII ARE 22.2" (565MM) LOADED (WITH TENSION ON THE CABLE) AND 11.1" (280MM) UNLOADED.
9. MAXIMUM CABLE TENSILE LOAD IS 3560 N (800 LB) SHORT TERM (DURING INSTALLATION) AND 1070 N (240 LB) LONG TERM.
10. COMMSCOPE NON LACE UP GRIP RECOMMENDED FOR MONOPOLE INSTALLATIONS.
11. MAXIMUM HANGER SPACING 3FT (0.9 M).

HYBRID FIBER/POWER JUMPER NOTES:
1. IN GENERAL THIS CABLE WILL HANDLE SIMILARLY TO A ⅜" COAXIAL CABLE.
2. THE TERMINATED FIBER ENDS HOWEVER ARE FRAGILE AND MUST BE PROTECTED DURING INSTALLATION. LEAVE THE PACKAGING AROUND THE FIBER ENDS IN PLACE UNTIL READY TO CONNECT THE JUMPER BETWEEN OVP AND RRU OR BBU.
3. DO NOT BEND THE FIBER BREAKOUT CABLE (BETWEEN THE MAIN CABLE AND THE FIBER CONNECTOR) TIGHTER THAN ¾" (19MM) RADIUS, ELSE THERE IS A RISK OF BREAKING THE GLASS.
4. ATTACH THE MAIN CABLE SECURELY TO THE STRUCTURE OR EQUIPMENT USING HANGERS AND/OR CABLE TIES TO PREVENT STRAIN ON CONNECTIONS FROM MOVEMENT IN WIND OR SNOW/ICE CONDITIONS.
5. ENSURE THE LC FIBER CONNECTORS ARE SEATED FIRMLY IN PANEL IN OVP OR IN EQUIPMENT.
6. INSTALLATION TEMPERATURE RANGE IS -22F TO 158F (-30C TO 70C).
7. MINIMUM CABLE BEND RADII ARE 10.3 INCH (265MM) LOADED (WITH TENSION ON THE CABLE) AND 5.2 INCH (130MM) UNLOADED.
8. MAXIMUM CABLE TENSILE LOAD IS 350 LB (1560N) SHORT TERM (DURING INSTALLATION) AND 105 LB (470N) LONG TERM.
9. STANDARD LENGTHS AVAILABLE ARE 6 FEET, 15 FEET AND 20 FEET

702CC CONFIGURATION
COAX/FIBER PLUMBING DIAGRAM
SCALE: N.T.S
2
E-1

T-MOBILE NORTHEAST, LLC
35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
OFFICE: (860) 692-7100
FAX:(860) 692-7159

ATLANTIS GROUP
1340 Centre Street, Suite 212
Newton Center, MA 02459
Office: 617-965-0789
Fax: 617-213-5056

SUBMITTALS		
DATE	DESCRIPTION	REVISION
02/16/15	ISSUED FOR REVIEW	A
02/18/15	REVISION	0
02/19/15	REVISION	1
03/05/15	FINAL CD	2

DEPT.	DATE	APP'D	REVISIONS
RFE			
RF MAN.			
ZONING			
OPS			
CONSTR.			
SITE AC.			

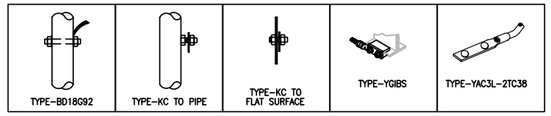
PROJECT NO:	CT11070B
DRAWN BY:	FG
CHECKED BY:	SM

STATE OF CONNECTICUT
HOSSEIN VAHEDI
No. ARI. 11162
LICENSED ARCHITECT
PROFESSIONAL SEAL

SITE NAME
CT11070B
SITE NAME
CONNECTICUT STATE POLICE #2
SITE ADDRESS
150 BUTTERNUT HOLLOW RD
GREENWICH ,CT 06830

SHEET TITLE
GROUNDING DIAGRAM AND POWER ONE LINE DIAGRAM

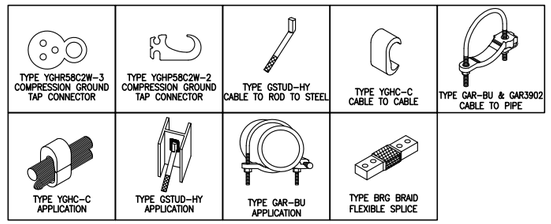
SHEET NUMBER
E-1



BURNDY GROUNDING DETAILS

1 E-2

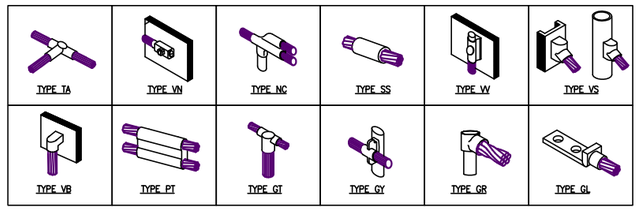
SCALE: N.T.S.



BURNDY GROUNDING PRODUCTS

2 E-2

SCALE: N.T.S.



CADWELD GROUNDING CONNECTION PRODUCTS

3 E-2

SCALE: N.T.S.

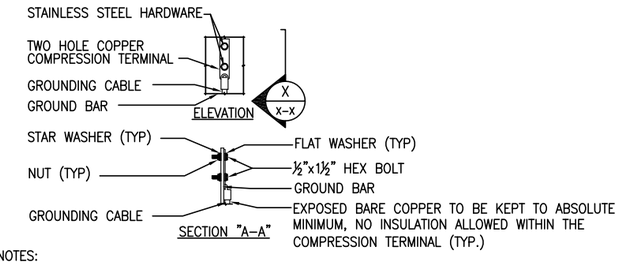
TERMINATION TYPES:
A. MECHANICAL COMPRESSION LUG
B. DOUBLE BARRELL COMPRESSION CONNECTOR
C. EXOTHERMIC TERMINATION
D. BEAM CLAMP

	SOLID #2 TINNED COPPER	#6 GROUND LEAD	#2/0 STRANDED MAIN DOWN CONDUCTOR	MASTER GRND BAR	STRUCTURAL OR TOWER STEEL	BLDG SERVICE ENTR OR GRND RING	GROUND ROD
SOLID #2 TINNED COPPER	B OR C	B OR C		C	A, C, OR D		C
#6 GROUND LEAD	B OR C			A	A, C, OR D		
#2/0 STRANDED GRNDG ELECTRODE CONDUCTOR				A	A, C, OR D	A	
MASTER GROUND BAR	C	A	A				
STRUCTURAL OR TOWER STEEL	A, C, OR D	A, C, OR D	A, C, OR D				
GROUND RING	C		C				C

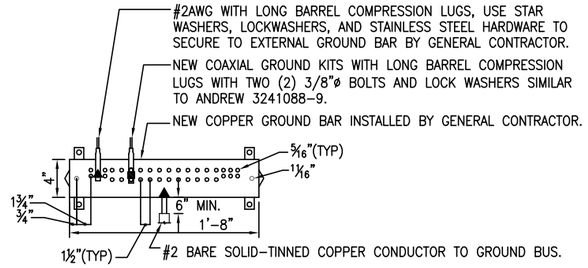
GROUNDING TERMINATION MARTIX

4 E-2

SCALE: N.T.S.



NOTES:
1. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.

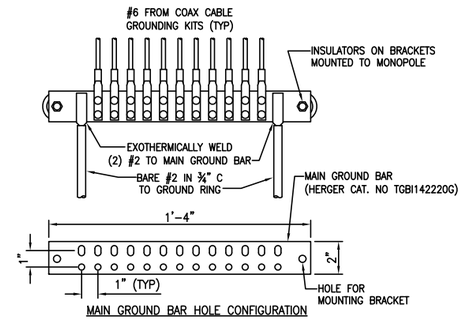


NOTES:
1. ALL HARDWARE STAINLESS STEEL COAT ALL SURFACES WITH KOPR-SHIELD BEFORE MATING.
2. FOR GROUND BOND TO STEEL ONLY: INSERT A TOOTH WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH KOPR-SHIELD.
3. ALL HOLES ARE COUNTERSUNK 1/16".

TYPICAL GROUND BAR CONNECTIONS DETAIL

5 E-2

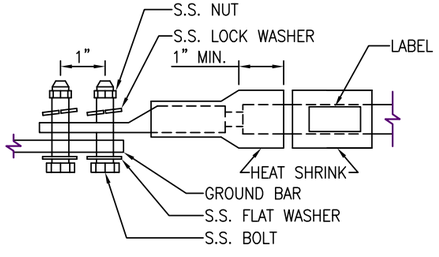
SCALE: N.T.S.



GROUND BAR DETAIL

6 E-2

SCALE: N.T.S.



LUG NOTES:
1. ALL HARDWARE IS 18-8 STAINLESS STEEL, INCLUDING LOCK WASHERS.
2. ALL HARDWARE SHALL BE S.S. ⅜"ø OR LARGER.
3. FOR GROUND BOND TO STEEL ONLY: INSERT A DRAGON TOOTH WASHER BETWEEN LUG AND STEEL. COAT ALL SURFACES WITH ANTI-OXIDIZATION COMPOUND PRIOR TO MATING.

GROUND BAR DETAIL

7 E-2

SCALE: N.T.S.

T-MOBILE NORTHEAST, LLC
35 GRIFFIN ROAD SOUTH
BLOOMFIELD, CT 06002
OFFICE: (860) 692-7100
FAX:(860) 692-7159

ATLANTIS GROUP
1340 Centre Street, Suite 212
Newton Center, MA 02459
Office: 617-965-0789
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DATE	DESCRIPTION	REVISION
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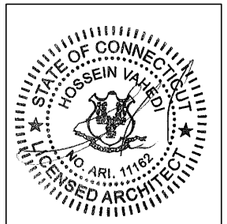
CONSTR.			
SITE AC.			

PROJECT NO:	CT11070B
DRAWN BY:	FG
CHECKED BY:	SM



PROFESSIONAL SEAL

SITE NAME
CT11070B
SITE NAME
CONNECTICUT STATE POLICE #2
SITE ADDRESS
150 BUTTERNUT HOLLOW RD
GREENWICH ,CT 06830

SHEET TITLE
GROUNDING DETAILS

SHEET NUMBER
E-2

Exhibit B

AECOM

Submitted to
Northeast Site Solutions
199 Brickyard Road
Farmington, CT 06032

Submitted by
AECOM
500 Enterprise Drive,
Suite 3B
Rocky Hill, CT 06067
September 17, 2015

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

T-Mobile

Site ID : CT11070B
Site Name: CT State Police_2
Site Address: 150 Butternut Hollow Road
Greenwich, Connecticut
CSP Tower # 74

NSS-036

TABLE OF CONTENTS

1. EXECUTIVE SUMMARY

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

The proposed T-Mobile installation is as follows:

Proposed Antenna and Mount	Carrier	Antenna Center Elevation
Remove: **(3) AIR B4A/B2P Panel Antennas**	**T-Mobile (Existing)**	**@ 137'**
Install: **(3) AIR B4A/B12P Panel Antennas** **(3) Ericsson RRUS-11 RRH Units**	**T-Mobile (Proposed)**	**@ 137'**

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

The tower deflection (sway) is 0.72 degrees and the tower rotation (twist) is 0.02 degrees. **These figures are below the Connecticut State Police Specification of 0.75 degrees for deflection (sway) and (rotation) twist.**

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

This analysis is based on:

1) The tower structure's theoretical capacity not including any assessment of the condition of the tower.
2) Member sizes and tower geometry of the outer tower taken from manufacturers drawings prepared by Rohn Industries, Inc., file number 28325, dated December 28, 1992.
3) Member sizes and tower geometry of the inner tower taken from design calculations and drawings prepared by Towertek Industries Inc., signed and sealed May 9, 2002.
4) Foundation modifications taken from drawings prepared by Walker Engineering Incorporated, Job number 0206-237R2, signed and sealed November 26, 2002.
5) Antenna inventory provided by the Connecticut State Police via email on February 1 2015.
6) Proposed antennas via T-Mobile Radio Frequency Data Sheet (RFDS) form, dated February 5, 2015.
7) Previous structural analysis performed by AECOM on behalf of T-Mobile project number NSS-035, signed and sealed on August 20, 2015.
8) Antenna inventory as specified in section 2 and 6 of this report.

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

If you should have any questions, please call.

Sincerely,

AECOM, contracting as URS Corporation AES,

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

RAS/mcd
Cc: IA, CF/Book – AECOM

2. INTRODUCTION

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

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

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

Antenna Type	*Carrier*	*Mount*	*Centerline Elevation / Leg*	*Cable*
(3) AIR B4A/B12P Panel Antennas (3) Ericsson RRUS-11 RRH Units	**T-Mobile (Proposed)**	**See Below Mount**	**137 / ABC**	**See Below Cables**
(3) AIR B2A/B4P Panel Antennas (3) (AWS) TMA's	T-Mobile (existing)	Face Mounted	137 / ABC	(12) 1-5/8" (1) Fiber Optic Cable
(1) DB-586-Y	NEU-19 (existing)	Leg Mounted	135 / B	(1) 7/8"
(1) Celwave PD1142	CSP – 21 (existing)	*Shared with Above*	135 / B	(1) 7/8"
(1) Kreco CO41AN	NEU – 18 (existing)	3' Stand-off	130 / A	(1) 7/8"
(3) BXA-171063-8BF-EDIN-0 Panel Antennas (AWS) (3) SLCP 2x6014 Panels (700 MHz) (6) Andrew DB844H80-XY Panels (BXA-171063-8BF-EDIN-2 Panel Antennas (PCS) (6) Diplexers (1) Raycap DB-T1-6Z-8AB-0Z Distribution Box (AWS)	Verizon (existing)	(3) Boom Gates (existing)	130 / ABC	(12) 1 5/8" (1) 1-5/8" Fiber Optic Cable
(3) APXVSPP18-C Panel Antennas (6) RRH	Sprint (existing)	Boom Gate (existing)	117 / ABC	(3) Hybriflex Cables
(1) Celwave PD1142	NEU – 17 (existing)	3' Stand-off	115 / A	(1) 7/8"
(1) Celwave PD1142	NEU – 16 (existing)	*Shared with Above*	110 / A	(1) 1-5/8"
(1) Celwave 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) Celwave PD1142	DEP – 54 (existing)	Leg Mounted	80 / C	(1) 7/8"
(1) GPS	Sprint - 69 (existing)	Leg Mounted	62 / B	(1) 1/2"
(1) GPS (TMG-26N)	Verizon - 68 (existing)	Leg Mounted	60 / C	(1) 1/2"

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

Tower Twist & Sway 90 mph concurrent with ice:

Component	*Allowable*	*Actual*
Twist	0.75°	0.02°
Sway		0.72°

Proposed Tower Component Stress vs Capacity Summary

Component	*Component Size*	*Controlling Member*	*Stress (% Capacity)*	*Pass/Fail*
Rohn Diagonal	L2.5x2.5x1/4"	Rohn-DC51	90.44	Pass
Rohn Leg	Modified Pipe 5 STD w/ ¼" bent plate	Rohn-LD3P	82.46	Pass
Rohn Horizontal	L1.75x1.75x3/16	Rohn-H12	9.20	Pass
Interior Tower Diagonal	L5x5x5/8	SNB-DI11	75.06	Pass
Interior Tower Leg	Pipe 8 SCH 80 (Extra Strong)	SNB-LH2P	91.08	Pass
Interior Tower Horizontal	Pipe4x0.494 (Pipe 4 XXS)	SNB-H8dP	6.70	Pass
Tower Connection	A325 Bolt	3/4" Bolt	78.6	Pass
Foundation	36.5' Square	Overturning Moment (F.S. = 2.0 min)	2.06 / 97.28	Pass

Notes:

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

5. CONCLUSIONS

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

The tower deflection (sway) is 0.72 degrees and the tower rotation (twist) is 0.02 degrees. **These figures are below the Connecticut State Police Specification of 0.75 degrees for deflection (sway) and (rotation) twist.**

Limitations/Assumptions:

This report is based on the following:

A. Tower is properly installed and maintained.

B. All members and their geometry are as specified in the original manufacturer drawings and are in good condition.

C. All required members are in place.

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

E. Tower is in plumb condition.

F. All member protective coatings are in good condition.

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

H. Foundations are in good condition without defect and were properly constructed to support original design loads as specified in the original design documents.

AECOM is not responsible for any modifications completed prior to or hereafter in which AECOM 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

AECOM 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 AECOM. AECOM disclaims all liability for any representation, recommendation, or conclusion not expressly stated herein.

Ongoing and Periodic Inspection and Maintenance:

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

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

6. ANALYSIS DATA

TOWER REINFORCEMENT DRAWINGS SK-1 THROUGH SK-3

GENERAL CONSTRUCTION NOTES

1. ALL WORK SHALL COMPLY WITH THE CONNECTICUT STATE BUILDING AND LIFE SAFETY CODES, SUPPLEMENTS AND AMENDMENTS.
2. CONTRACTOR IS TO REVIEW ALL DRAWINGS AND NOTES IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUB-CONTRACTORS AND ALL RELATED PARTIES. THE SUB-CONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
3. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON DRAWINGS OR WRITTEN IN SPECIFICATIONS.
4. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
5. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION AND ELECTRICAL SUB-CONTRACTORS SHALL PAY FOR THEIR PERMITS.
6. CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS ON SITE AT ALL TIMES AND ENSURE THE DISTRIBUTION OF NEW DRAWINGS TO SUB-CONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. CONTRACTOR SHALL FURNISH 'AS-BUILT' SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
7. INSTALLATION OF THIS WIRELESS COMMUNICATIONS EQUIPMENT SITE REQUIRES WORK IN THE IMMEDIATE VICINITY OF EXISTING OPERATING TELECOMMUNICATION SYSTEMS. THE CONTRACTOR SHALL PROVIDE AND COORDINATE THE METHODS OF PROTECTION WITH THE VARIOUS TELECOMMUNICATION CARRIERS AND THE TOWER OWNER. THERE SHALL BE NO INTERRUPTION OF OPERATION WITHOUT TIMELY COORDINATION WITH AND APPROVAL BY THE VARIOUS COMMUNICATIONS OPERATORS INCLUDING THE CONNECTICUT STATE POLICE.
8. THE REINFORCEMENT OF PORTIONS OF THIS TOWER STRUCTURE WILL AFFECT CRITICAL CONNECTICUT STATE POLICE ANTENNAS.
9. NO MOVEMENT, ALTERATION, OR DISCONNECTION OF CONNECTICUT STATE POLICE ANTENNAS MAY OCCUR WITHOUT THE NOTIFICATION AND APPROVAL OF THE CONNECTICUT STATE POLICE. CONTACT THE NETWORK CONTROL CENTER AT 860-865-8008.
10. TOWER REINFORCING WORK AFFECTING CRITICAL CONNECTICUT STATE POLICE ANTENNAS MAY BE REQUIRED TO BE CONDUCTED AT TIMES AS DETERMINED BY THE REQUIREMENTS OF THE CONNECTICUT STATE POLICE.
11. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB-CONTRACTORS FOR ANY CONDITION PER MFR'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR ARCHITECT.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
13. CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ARCHITECT FOR REVIEW. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTAL TO THE ARCHITECT FOR REVIEW.
14. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA. SUBMIT ANY DISCREPANCIES FROM THE DRAWINGS TO THE ARCHITECT.
15. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURE AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY.
16. CONTRACTOR TO CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 TO VERIFY AND IDENTIFY THE EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES AND OBSTRUCTIONS IDENTIFIED PRIOR TO COMMENCING WORK IN THE CONTRACT AREA.
17. CONTRACTOR SHALL COMPLY WITH OWNER ENVIRONMENTAL ENGINEER ON ALL METHODS AND PROVISIONS FOR ALL EXCAVATION ACTIVITIES INCLUDING SOIL DISPOSAL. ALL BACKFILL MATERIALS TO BE PROVIDED BY THE CONTRACTOR.
18. DIMENSIONS OF EXISTING TOWER ARE BASED ON MANUFACTURER'S DRAWINGS PREPARED BY ROHN INDUSTRIES, INC., DATED DECEMBER 1992, AND ARE NOT GUARANTEED. CONTRACTOR SHALL TAKE FIELD DIMENSIONS AS NECESSARY TO ASSURE PROPER FIT OF ALL FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENT ARE SUBMITTED FOR REVIEW, DIMENSIONS ARE PROVIDED FOR THE ENGINEER'S REFERENCE ONLY.
19. TOWER INVENTORY IS BASED ON INFORMATION OBTAINED BY CONNECTICUT STATE POLICE DATED FEBRUARY 2015.
20. CONTRACTOR TO VERIFY REQUIRED CLEARANCES INCLUDING BUT NOT LIMITED TO EXISTING BUILDINGS, EQUIPMENT PADS AND SHELTERS PRIOR TO COMMENCING WORK.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION. NO MEMBER OF THE TOWER SHALL BE LEFT DISCONNECTED FOR THE NEXT WORKING DAY. THE CONTRACTOR SHALL BE AWARE OF WEATHER AND WIND CONDITIONS AND NOT PERFORM MEMBER REPLACEMENT IN A WIND.

STRUCTURAL NOTES

STRUCTURAL STEEL MATERIAL:

STRUCTURAL STEEL BEAMS, CHANNELS, PLATES..... A36
STRUCTURAL ANGLES:
ANGLE SIZE 2-1/2"x2-1/2"x1/4" AND SMALLER A36
ANGLE SIZE GREATER THAN 2-1/2"x2-1/2"x1/4"..... A 572-Gr. 50
EXISTING TOWER LEG ROHN PIPE ..... A 572-Gr. 50

STRUCTURAL STEEL SHALL CONFORM TO ALL THE REQUIREMENTS OF THE ASTM SPECIFICATION, AS REFERENCED IN THE CODE.

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

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

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

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

CONNECTIONS / FIELD ASSEMBLY:

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

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

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

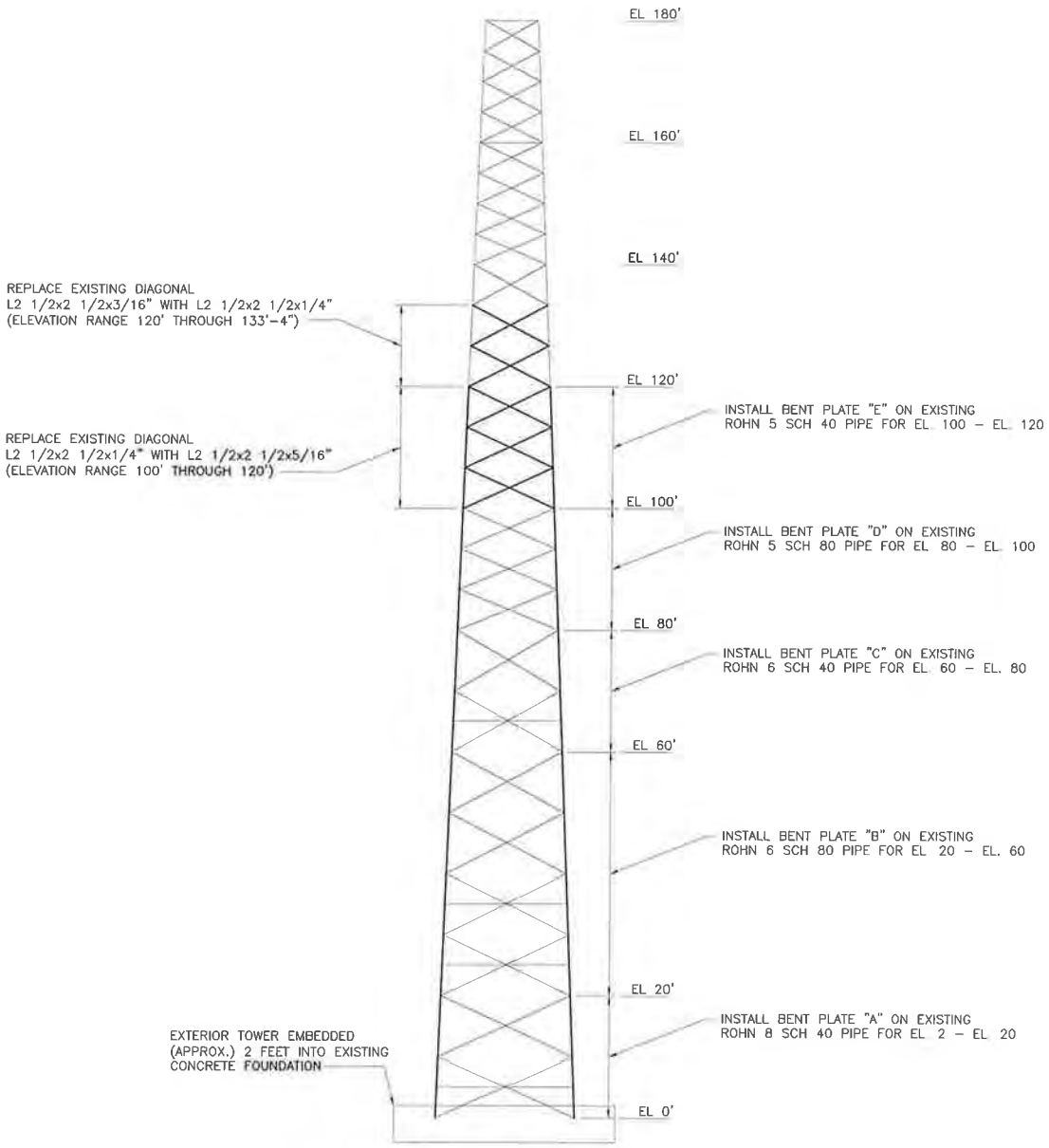
INSPECTIONS:

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

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

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

PROJECT NO.	AECOM 500 ENTERPRISE DRIVE ROCKY HILL, CONNECTICUT (860)-529-8882	··T··Mobile·	Dwg. No. SK-1
Designed by: MCD			
Drawn by: PD			REV. DATE: DESCRIPTION
Checked by: KAB		SITE ADDRESS: BUTTERNUT HOLLOW ROAD GREENWICH, CONNECTICUT 06831	Scale: AS NOTED Date: 09/17/15
Approved by: RAS			Job No. NSS-036 File No. Dwg. 1 of 3



1 / SK-2 **TOWER ELEVATION**
SCALE: 1" = 30'-0"

NOTES:
1. THE EXISTING TOWER STRUCTURE IS COMPRISED OF AN OUTER TOWER AND AN INNER TOWER. THE WORK TO REINFORCE THE EXISTING TOWER STRUCTURE IS REQUIRED ON THE OUTER TOWER ONLY. THE INNER TOWER IS NOT SHOWN FOR CLARITY.
2. REFER TO SK-1 STRUCTURAL NOTES FOR MORE INFORMATION

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

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

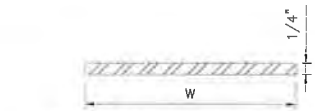
T-Mobile

SITE ADDRESS: BUTTERNUT HOLLOW ROAD
GREENWICH, CONNECTICUT 06831

REV. DATE: DESCRIPTION

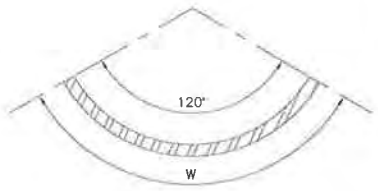
Scale: AS NOTED | Date: 09/17/15
Job No. NSS-036 | File No.

Dwg. No. SK-2
Dwg. 2 of 3



BENT PLATE – BEFORE BEND

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

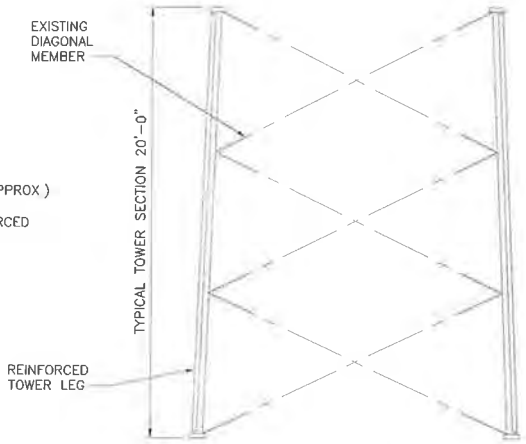


BENT PLATE – AFTER BEND

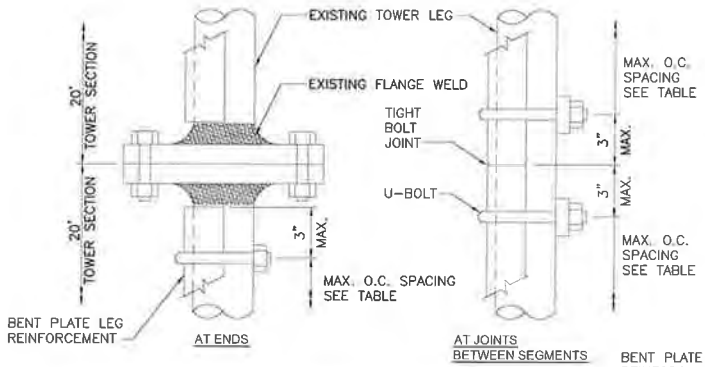
ELEVATION	MINIMUM # CLAMPS / 20' SECTION	MAXIMUM SPACING (IN.)
120 – 100	18 / LEG	13
100 – 80	18 / LEG	13
80 – 60	12 / LEG	19.5
60 – 40	12 / LEG	19.5
40 – 20	12 / LEG	19.5
20 – 0	12 / LEG	19.5

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

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

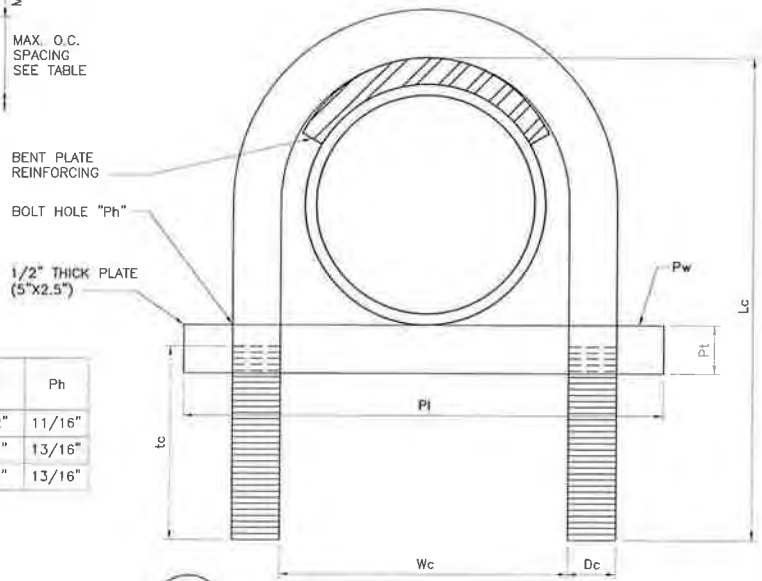


3 / SK-3 LEG REINFORCEMENT AT TOWER SECTION
SCALE: N.T.S.



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

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



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

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

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

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

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

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

T-Mobile

SITE ADDRESS: BUTTERNUT HOLLOW ROAD
GREENWICH, CONNECTICUT 06831

REV.	DATE:	DESCRIPTION

Scale: AS NOTED | Date: 09/17/15
Job No. NSS-036 | File No. | Dwg. 3 of 3

Dwg. No. SK-3

TOWER LEG REINFORCEMENT - CALCULATION DATA

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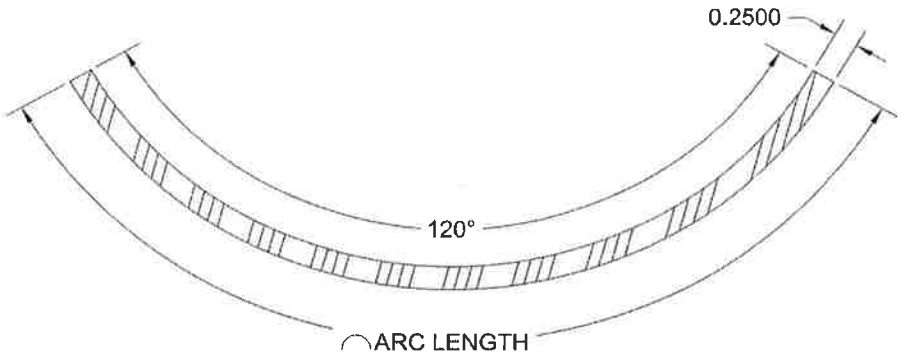
		Checked by		Date	

Properties for 1/4" Bent Plate simulted as 120° cut pipe



PLS Tower Modified Member Description EXP-1 (L8 = P8 SCH 40)

Elevation Range	0' - 20'		
Arc Length of Plate	9.3125 in		
Area of Plate	2.32813 in^2		
Moment of Inertia (I_x) (in^4)	1.0985 in^4	r_x	0.68691 in
Moment of Inertia (I_y) (in^4)	14.0027 in^4	r_y	2.45246 in
Radius of Gyration (lowest value governs)		$r_{gyration}$ =	0.68691 in

PLS Tower Modified Member Description EXP-2 (L7 = P6 SCH 80)

Elevation Range	20' - 60'		
Arc Length of Plate	7.25 in		
Area of Plate	1.8125 in^2		
Moment of Inertia (I_x) (in^4)	0.4926 in^4	r_x	0.52132 in
Moment of Inertia (I_y) (in^4)	6.2451 in^4	r_y	1.85623 in
Radius of Gyration (lowest value governs)		$r_{gyration}$ =	0.52132 in

PLS Tower Modified Member Description EXP-3 (L6 = P6 STD)

Elevation Range	60' - 80'		
Arc Length of Plate	7.25 in		
Area of Plate	1.8125 in^2		
Moment of Inertia (I_x) (in^4)	0.4926 in^4	r_x	0.52132 in
Moment of Inertia (I_y) (in^4)	6.2451 in^4	r_y	1.85623 in
Radius of Gyration (lowest value governs)		$r_{gyration}$ =	0.52132 in

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PLS Tower Modified Member Description EXP-4 (L5 = P5 SCH 80)

Elevation Range	80' - 100'		
Arc Length of Plate	6.125 in		
Area of Plate	1.53125 in^2		
Moment of Inertia (I_x) (in^4)	0.29 in^4	r_x	0.43519 in
Moment of Inertia (I_y) (in^4)	3.6557 in^4	r_y	1.54512 in

Radius of Gyration (lowest value governs) $r_{gyration}$ = 0.43519 in

PLS Tower Modified Member Description EXP-5 (L4 = P5 SCH 40)

Elevation Range	100' - 120'		
Arc Length of Plate	6.125 in		
Area of Plate	1.53125 in^2		
Moment of Inertia (I_x) (in^4)	0.29 in^4	r_x	0.43519 in
Moment of Inertia (I_y) (in^4)	3.6557 in^4	r_y	1.54512 in

Radius of Gyration (lowest value governs) $r_{gyration}$ = 0.43519 in

AECOM

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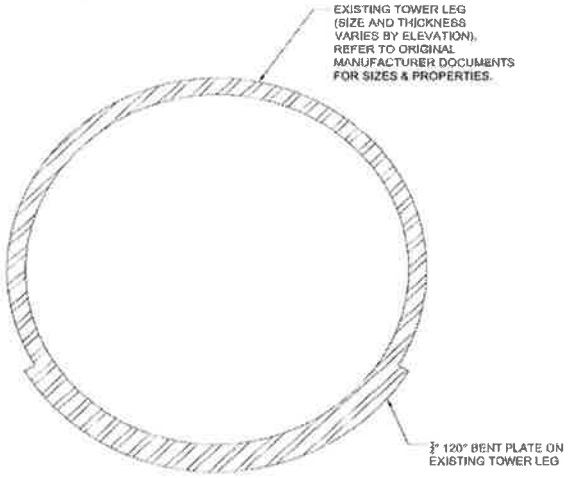
Quantity of Clamps required for MODified Tower legs



Designation of Member MOD P8-STD:

Elevation 0' - 20' Section Height 20 ft

Bent Plate Property

Material	50	ksi				
Area	2.3281	in^2				
I_x (in^4)	1.0985	in^4	rx	0.687 in	$r_{gyration}$ =	0.687 in
I_y (in^4)	14.003	in^4	ry	2.452 in		

Consider Leg Effective Length of = 10 ft = 120 in

* Compare Property of existing leg against the attached bent plate:

Leg Property (ROHN 8 (8 STD))

K = 1
L = 120 in
r_{pipe} = 2.964 in

$\frac{KL}{r}$ = 40.4858

* Use weaker radius of gyration for analysis to determine # clamps per effective length:

Input # Clamps 6 KL/(# clamp -1) / $r_{gyration}$ 34.9393 ----------> OK

 # Clamps Required (with maximum allowable spacing Centerline to Centerline of Clamp (in)):

Total Height 20 ft

clamps per 10 ft = 6
clamps per leg = 12 @ 19.5 in (max)
clamps for Section = 36

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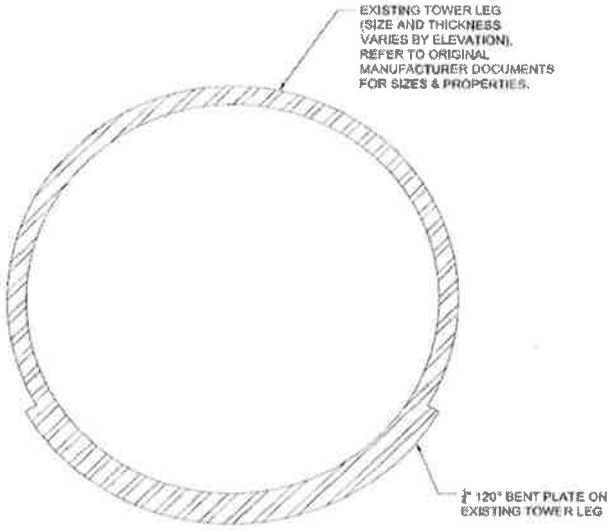
Quantity of Clamps required for MODified Tower legs



Designation of Member MOD P6-SCH80:

Elevation 20' - 60' Section Height 40 ft

Bent Plate Property

Material	50	ksi			
Area	1.8125	in^2			
I_x (in^4)	0.4926	in^4	rx	0.521 in	$r_{gyration}$ = 0.521 in
I_y (in^4)	6.2451	in^4	ry	1.856 in	

Consider Leg Effective Length of = 10 ft = 120 in

* Compare Property of existing leg against the attached bent plate:

Leg Property (ROHN 6 EH (6 SCH 80))

K = 1
L = 120 in
r_{pipe} = 2.190 in

$\frac{KL}{r}$ = 54.7945

* Use weaker radius of gyration for analysis to determine # clamps per effective length:

Input # Clamps 6 KL/(# clamp -1) / $r_{gyration}$ 46.0366 ----------> OK

 # Clamps Required (with maximum allowable spacing Centerline to Centerline of Clamp (in)):

Total Height 40 ft

clamps per 10 ft = 6
clamps per leg = 24 @ 19.5 in (max)
clamps for Section = 72

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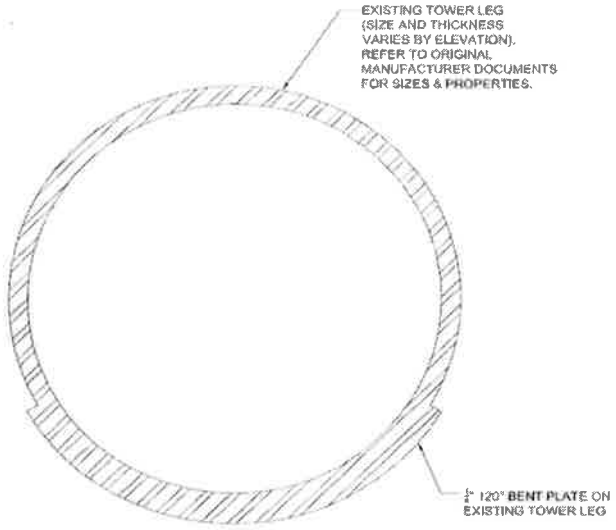
		Checked by		Date	

Quantity of Clamps required for MODified Tower legs



Designation of Member MOD P6-STD:

Elevation 60' - 80' Section Height 20 ft

Bent Plate Property

Material	50	ksi			
Area	1.8125	in^2			
I_x (in^4)	0.4926	in^4	rx	0.521 in	$r_{gyration}$ = 0.521 in
I_y (in^4)	6.2451	in^4	ry	1.856 in	

Consider Leg Effective Length of = 10 ft = 120 in

* Compare Property of existing leg against the attached bent plate:

Leg Property (ROHN 8 (8 STD))

K = 1
L = 120 in
r_{pipe} = 2.250 in

$\frac{KL}{r}$ = 53.3333

* Use weaker radius of gyration for analysis to determine # clamps per effective length:

Input # Clamps 6 KL/(# clamp -1) / $r_{gyration}$ 46.0366 ----------> OK

 # Clamps Required (with maximum allowable spacing Centerline to Centerline of Clamp (in)):

Total Height 20 ft

clamps per 10 ft = 6
clamps per leg = 12 @ 19.5 in (max)

clamps for Section = 36

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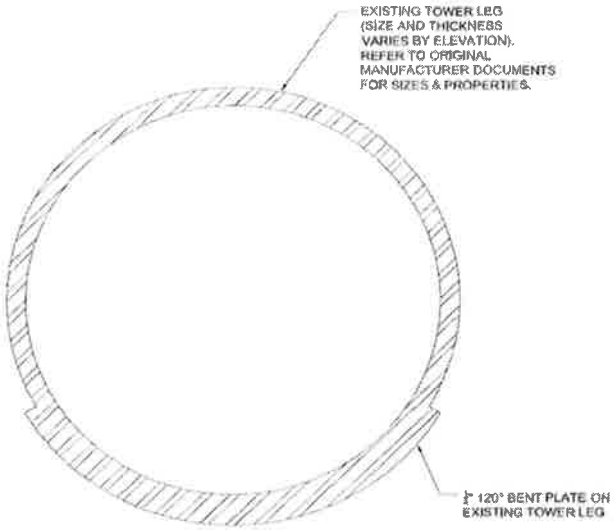
Quantity of Clamps required for MODified Tower legs



Designation of Member MOD P5-SCH80:

Elevation 80' - 100' Section Height 20 ft

Bent Plate Property

Material	50	ksi				
Area	1.5313	in^2				
I_x (in^4)	0.29	in^4	rx	0.435 in	$r_{gyration}$ =	0.435 in
I_y (in^4)	3.6557	in^4	ry	1.545 in		

Consider Leg Effective Length of = 6.66667 ft = 80 in

* Compare Property of existing leg against the attached bent plate:

Leg Property (ROHN 5 EH (5 SCH 80))

K = 1
L = 80 in
r_{pipe} = 1.840 in

$\frac{KL}{r}$ = 43.4783

* Use weaker radius of gyration for analysis to determine # clamps per effective length:

Input # Clamps 6 KL/(# clamp -1) / $r_{gyration}$ 36.7658 ----------> OK

 # Clamps Required (with maximum allowable spacing Centerline to Centerline of Clamp (in)):

Total Height 20 ft

clamps per 6.66667 ft = 6
clamps per leg = 18 @ 13 in (max)
clamps for Section = 54

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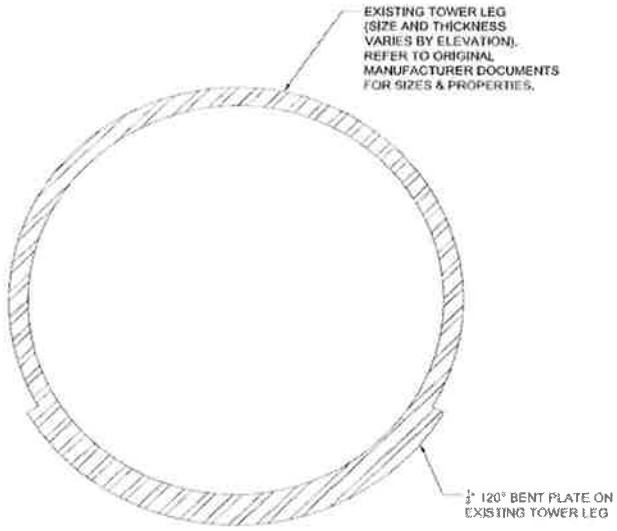
Quantity of Clamps required for MODified Tower legs



Designation of Member MOD P5-STD:

Elevation 100'-120' Section Height 20 ft

Bent Plate Property

Material	50	ksi				
Area	1.5313	in^2				
I_x (in^4)	0.29	in^4	rx	0.435 in	$r_{gyration}$ =	0.435 in
I_y (in^4)	3.6557	in^4	ry	1.545 in		

Consider Leg Effective Length of = 6.66667 ft = 80 in

* Compare Property of existing leg against the attached bent plate:

Leg Property (ROHN 5 (5 SCH 40))

K = 1
L = 80 in
r_{pipe} = 1.880 in

$\frac{KL}{r}$ = 42.5532

* Use weaker radius of gyration for analysis to determine # clamps per effective length:

Input # Clamps 6 KL/(# clamp -1) / $r_{gyration}$ 36.7658 ----------> OK

 # Clamps Required (with maximum allowable spacing Centerline to Centerline of Clamp (in)):

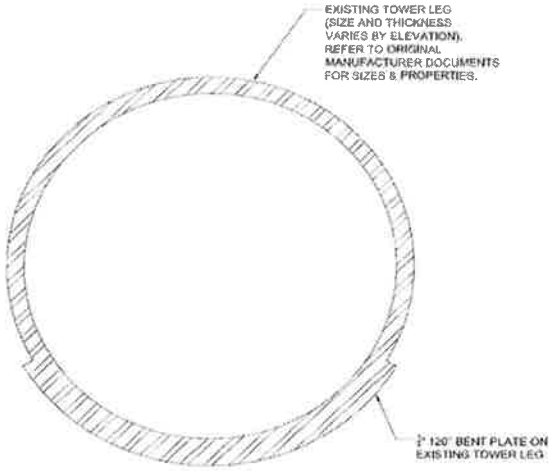
Total Height 20 ft

clamps per 6.66667 ft = 6
clamps per leg = 18 @ 13 in (max)
clamps for Section = 54

AECOM

Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	NSS-035	Page / Sheet	_____ of _____ / _____ of _____
Description	PLS Tower MODification Properties	Computed by	MCD	Date	09/15/15
		Checked by		Date	

Properties for MODified Tower legs in PLS Tower Program



Determination of Member MOD P8-STD:

Existing Leg Property before MODification

Elevation	0' - 20'	
O.D.	8.75	in
thicnkess (t)	0.375	in
I.D.	8	in

Information from: *Above information supplied from ROHN Communcation Tower Designs (10/22/1992)*

Pipe Area	9.8666	in^2
Pipe Weight	33.574	plf
Pipe Inertia	86.679	in^4
Radius of Gyration	2.964	in

Consider the addition of a 120° bent plate attached to existing leg member

Area of Bent Plate	2.3281	in^2
weight of Plate	7.9221	plf
I_x (in^4)	1.0985	in^4
I_y (in^4)	14.003	in^4
rx	0.6869	in
ry	2.4525	in

Total Area	12.1947	in^2
Total Weight	41.4958	plf

Radius of Gyration of Section

I_x (in^4)	114.133	in^4
I_y (in^4)	100.682	in^4
rx	3.05928	in
ry	2.87336	in

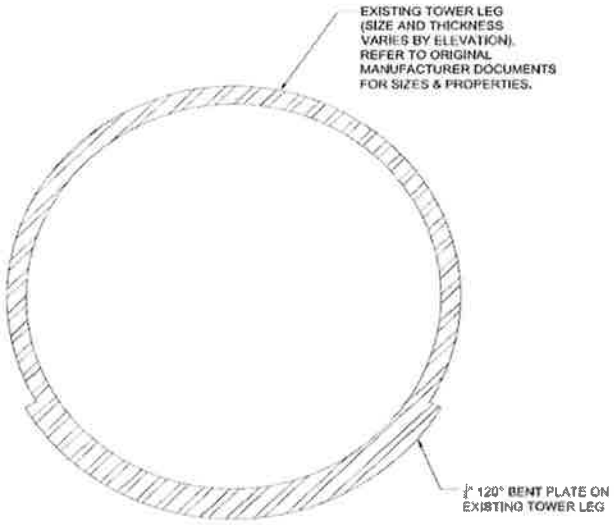
Properties to be used in PLS tower program

Long Leg	8.75	in
Short Leg	7.75	in
Weight	41.496	plf
Gross Area	12.195	in^2
Radius of Gyration	2.8734	in

AECOM

				Page	of
Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	NSS-035	Sheet	of
Description	PLS Tower MODification Properties	Computed by	MCD	Date	09/15/15
		Checked by		Date	

Properties for MODified Tower legs in PLS Tower Program



Determination of Member MOD P6-SCH 80:

Existing Leg Property before MODification

Elevation	20' - 60'	
O.D.	6.625	in
thicnkess (t)	0.432	in
I.D.	5.761	in

Information from: *Above information supplied from ROHN Communcation Tower Designs (10/22/1992)*

Pipe Area	8.4049	in^2
Pipe Weight	28.6	plf
Pipe Inertia	40.491	in^4
Radius of Gyration	2.1949	in

Consider the addition of a 120° bent plate attached to existing leg member

Area of Bent Plate	1.8125	in^2
weight of Plate	6.1675	plf
I_x (in^4)	0.4926	in^4
I_y (in^4)	6.2451	in^4
rx	0.5213	in
ry	1.8562	in

Total Area	10.2174	in^2
Total Weight	34.7677	plf

Radius of Gyration of Section

I_x (in^4)	114.133	in^4
I_y (in^4)	100.682	in^4
rx	3.34221	in
ry	3.1391	in

Properties to be used in PLS tower program

Long Leg	6.625	in
Short Leg	5.511	in
Weight	34.768	plf
Gross Area	10.217	in^2
Radius of Gyration	3.1391	in

AECOM

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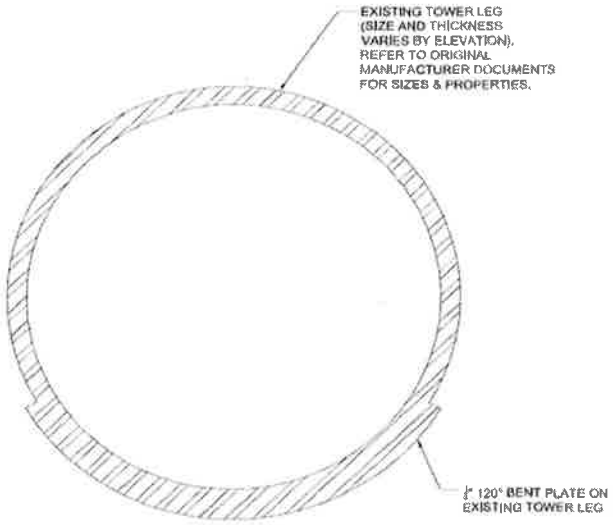
Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	NSS-035	Sheet	of
Description	PLS Tower MODification Properties	Computed by	MCD	Date	09/15/15
		Checked by		Date	

Properties for MODified Tower legs in PLS Tower Program



Determination of Member MOD P6-STD:

Existing Leg Property before MODification

Elevation	60' - 80'	
O.D.	6.625	in
thicnkess (t)	0.3325	in
I.D.	5.96	in

Information from: *Above information supplied from ROHN Communcation Tower Designs (10/22/1992)*

Pipe Area	6.573	in^2
Pipe Weight	22.367	plf
Pipe Inertia	32.624	in^4
Radius of Gyration	2.2278	in

Consider the addition of a 120° bent plate attached to existing leg member

Area of Bent Plate	1.8125	in^2
weight of Plate	6.1675	plf
I_x (in^4)	0.4926	in^4
I_y (in^4)	6.2451	in^4
rx	0.5213	in
ry	1.8562	in

Total Area	8.38552	in^2
Total Weight	28.5341	plf

Radius of Gyration of Section

I_x (in^4)	114.133	in^4
I_y (in^4)	100.682	in^4
rx	3.68927	in
ry	3.46506	in

Properties to be used in PLS tower program

Long Leg	6.625	in
Short Leg	5.71	in
Weight	28.534	plf
Gross Area	8.3855	in^2
Radius of Gyration	3.4651	in

AECOM

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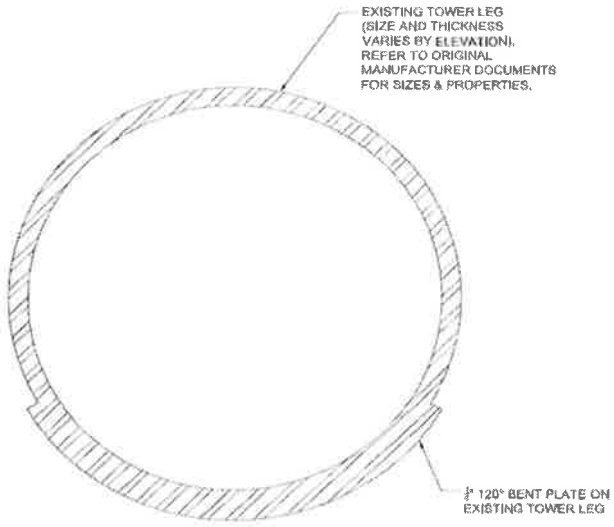
Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	NSS-035	Sheet	of
Description	PLS Tower MODification Properties	Computed by	MCD	Date	09/15/15
		Checked by		Date	

Properties for MODified Tower legs in PLS Tower Program



Determination of Member MOD P5-SCH 80:

Existing Leg Property before MODification

Elevation	80' - 100'	
O.D.	5.5	in
thicnkess (t)	0.375	in
I.D.	4.75	in

Information from: *Above information supplied from ROHN Communcation Tower Designs (10/22/1992)*

Pipe Area	6.0377	in^2
Pipe Weight	20.545	plf
Pipe Inertia	19.929	in^4
Radius of Gyration	1.8168	in

Consider the addition of a 120° bent plate attached to existing leg member

Area of Bent Plate	1.5313	in^2
weight of Plate	5.2105	plf
I_x (in^4)	0.29	in^4
I_y (in^4)	3.6557	in^4
rx	0.4352	in
ry	1.5451	in

Total Area	7.569	in^2
Total Weight	25.7556	plf

Radius of Gyration of Section

I_x (in^4)	114.133	in^4
I_y (in^4)	100.682	in^4
rx	3.88316	in
ry	3.64718	in

Properties to be used in PLS tower program

Long Leg	5.5	in
Short Leg	4.5	in
Weight	25.756	plf
Gross Area	7.569	in^2
Radius of Gyration	3.6472	in

AECOM

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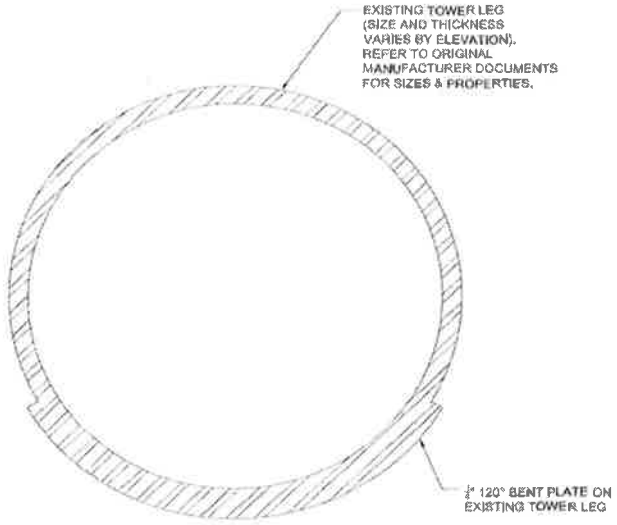
Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	NSS-035	Sheet	of
Description	PLS Tower MODification Properties	Computed by	MCD	Date	09/15/15
		Checked by		Date	

Properties for MODified Tower legs in PLS Tower Program



Determination of Member MOD P5-STD:

Existing Leg Property before MODification

Elevation	100' -120'	
O.D.	5.5	in
thicnkess (t)	0.258	in
I.D.	4.984	in

Information from: *Above information supplied from ROHN Communcation Tower Designs (10/22/1992)*

Pipe Area	4.2488	in^2
Pipe Weight	14.458	plf
Pipe Inertia	14.629	in^4
Radius of Gyration	1.8556	in

Consider the addition of a 120° bent plate attached to existing leg member

Area of Bent Plate	1.5313	in^2
weight of Plate	5.2105	plf
I_x (in^4)	0.29	in^4
I_y (in^4)	3.6557	in^4
rx	0.4352	in
ry	1.5451	in

Total Area	5.78005	in^2
Total Weight	19.6682	plf

Radius of Gyration of Section

I_x (in^4)	114.133	in^4
I_y (in^4)	100.682	in^4
rx	4.44364	in
ry	4.17359	in

Properties to be used in PLS tower program

Long Leg	5.5	in
Short Leg	4.734	in
Weight	19.668	plf
Gross Area	5.7801	in^2
Radius of Gyration	4.1736	in

PLS-TOWER INPUT / OUTPUT SUMMARY

Project Name : NSS-036 / Northeast Site Solutions
Project Notes: Butternut Hollow
Project File : P:\Projects\Telcom\Structurals_By_Location\Connecticut\GreenwichCSP#74\05-604#####-NSS-035R1\nss-035_t_mobile tow
Date run : 3:10:39 PM Thursday, September 17, 2015
by : Tower Version 10 62
Licensed to : URS Connecticut

Successfully performed nonlinear analysis

Unusual number of fixed joints found: 6. Towers normally have from between 1 and 4 fixed joints. ??
Linear appurtenance "1-5/8" @ 180`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 180`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1/2" @ 180`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Ellipitical @ 175`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 175`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Ellipitical @ 170`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 170`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-1/4" @ 165`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 135` (relocated-NEU)" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Ellipitical @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-1/4" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "3/8" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1/2" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ ATT" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Optic Fiber Cable @ ATT" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "DC Cable @ ATT" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 130` (relocated-NEU)" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 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 appurtenance "1-5/8" @ VZW" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Optic Fiber Cable @ VZW" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Hybriflex Cables @ Sprint" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 113`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 80`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1/2" @ 60`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1/2" @ 20`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 110` (relocated-NEU)" 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 28 warnings. ??

Member check option: TIA/EIA 222-F
Connection rupture check: ASCE 10
Crossing diagonal check: ASCE 10 [Alternate Unsupported RLOUT = 1]
Loads from file: p:\projects\telcom\structurals_by_location\connecticut\greenwichcsp#74\05-604#####-nss-035r1\nss-035.eia

*** Analysis Results:

Maximum element usage is 91.08% for Angle "SNB-LH2P" in load case "W+I 0 deg"

Summary of Joint Support Reactions For All Load Cases:

Load Case	Joint Label	Long. Force (kips)	Tran. Force (kips)	Vert. Force (kips)	Shear Force (kips)	Tran. Moment (ft-k)	Long. Moment (ft-k)	Vert. Moment (ft-k)	Bending Moment (ft-k)	Found. Usage %
W+I -90 deg	RohnJP	7.26	1.84	20.23	7.49	-0.13	5.75	0.01	5.75	0.00
W+I -90 deg	SNB-JP	15.29	3.77	19.73	15.74	1.59	10.87	0.08	10.98	0.00
W+I -90 deg	RohnJ1	4.06	8.50	250.86	9.42	2.32	-1.21	0.00	2.62	0.00
W+I -90 deg	RohnJ2	-11.30	21.08	-210.74	23.92	-7.73	-4.44	0.01	8.91	0.00
W+I -90 deg	SNB-J1	5.24	12.86	302.63	13.89	4.10	-1.37	-0.04	4.32	0.00
W+I -90 deg	SNB-J2	-20.54	39.30	-263.36	44.35	-14.83	-9.41	-0.04	17.56	0.00
W+I -60 deg	RohnJP	-2.12	1.50	150.50	2.59	-0.02	3.98	0.01	3.98	0.00
W+I -60 deg	SNB-JP	-1.03	3.16	179.31	3.33	1.42	7.13	0.07	7.27	0.00
W+I -60 deg	RohnJ1	-0.11	2.50	150.39	2.51	3.48	-1.93	-0.00	3.98	0.00
W+I -60 deg	RohnJ2	-13.06	22.47	-240.53	25.99	-8.04	-4.69	0.00	9.31	0.00

W+I -60 deg	SNB-J1	-2.22	2.47	179.23	3.32	6.89	-2.33	-0.07	7.27	0.00
W+I -60 deg	SNB-J2	-23.94	41.48	-299.54	47.89	-15.92	-9.19	0.00	18.39	0.00
W+I 0 deg	RohnJP	-13.44	-0.05	304.41	13.44	0.03	1.85	-0.00	1.85	0.00
W+I 0 deg	SNB-JP	-20.96	-0.00	369.26	20.96	0.00	2.63	-0.00	2.63	0.00
W+I 0 deg	RohnJ1	-10.30	-14.40	-122.00	17.70	6.58	-4.03	-0.00	7.71	0.00
W+I 0 deg	RohnJ2	-10.21	14.45	-122.06	17.69	-6.61	-3.97	-0.00	7.71	0.00
W+I 0 deg	SNB-J1	-19.81	-27.14	-155.11	33.60	13.67	-6.34	-0.07	15.07	0.00
W+I 0 deg	SNB-J2	-19.81	27.14	-155.15	33.60	-13.67	-6.34	0.07	15.07	0.00
W+I 60 deg	RohnJP	-2.11	-1.55	150.50	2.62	0.06	3.98	-0.01	3.98	0.00
W+I 60 deg	SNB-JP	-1.03	-3.16	179.31	3.33	-1.42	7.13	-0.07	7.27	0.00
W+I 60 deg	RohnJ1	-13.11	-22.44	-240.47	25.99	8.02	-4.72	-0.01	9.31	0.00
W+I 60 deg	RohnJ2	-0.07	-2.48	150.33	2.48	-3.50	-1.90	0.00	3.98	0.00
W+I 60 deg	SNB-J1	-23.94	-41.48	-299.49	47.89	15.92	-9.19	-0.00	18.39	0.00
W+I 60 deg	SNB-J2	-2.22	-2.47	179.18	3.32	-6.89	-2.33	0.07	7.27	0.00
W+I 90 deg	RohnJP	7.26	-1.84	20.23	7.49	0.13	5.75	-0.01	5.75	0.00
W+I 90 deg	SNB-JP	15.29	-3.77	19.73	15.74	-1.59	10.87	-0.08	10.98	0.00
W+I 90 deg	RohnJ1	-11.30	-21.08	-210.69	23.92	7.73	-4.44	-0.01	8.91	0.00
W+I 90 deg	RohnJ2	4.06	-8.50	250.80	9.42	-2.32	-1.21	-0.00	2.62	0.00
W+I 90 deg	SNB-J1	-20.54	-39.30	-263.31	44.35	14.83	-9.40	0.04	17.56	0.00
W+I 90 deg	SNB-J2	5.24	-12.86	302.58	13.89	-4.10	-1.37	0.04	4.32	0.00
DL + Ice Only	RohnJP	7.18	-0.00	20.24	7.18	0.00	5.75	0.00	5.75	0.00
DL + Ice Only	SNB-JP	15.22	-0.00	19.71	15.22	0.00	10.87	0.00	10.87	0.00
DL + Ice Only	RohnJ1	-3.59	-6.22	20.13	7.19	4.98	-2.88	-0.00	5.75	0.00
DL + Ice Only	RohnJ2	-3.59	6.22	20.08	7.19	-4.98	-2.88	0.00	5.76	0.00
DL + Ice Only	SNB-J1	-7.61	-13.18	19.62	15.22	9.42	-5.44	-0.00	10.88	0.00
DL + Ice Only	SNB-J2	-7.61	13.18	19.57	15.22	-9.42	-5.44	0.00	10.88	0.00

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

Load Case	Support Joint	Origin Joint	Leg Member	Force In Leg Dir. (kips)	Residual Shear Perpendicular To Leg (kips)	Residual Shear Horizontal To Leg - Res. (kips)	Residual Shear Horizontal To Leg - Long. (kips)	Residual Shear Horizontal To Leg - Tran. (kips)	Total Long. Force (kips)	Total Tran. Force (kips)	Total Vert. Force (kips)
W+I -90 deg	RohnJP	RohnIaS	Rohn-LI2P	19.933	8.258	8.264	-1.839	-8.057	7.26	1.84	20.23
W+I -90 deg	SNB-JP	SNB-IaS	SNB-LI2P	19.110	16.485	16.497	-3.765	-16.062	15.29	3.77	19.73
W+I -90 deg	RohnJ1	RohnIa1	Rohn-LI21	251.034	0.894	0.894	0.079	0.891	4.06	8.50	250.86
W+I -90 deg	RohnJ2	RohnIa2	Rohn-LI22	-211.522	15.589	15.601	-13.872	7.138	-11.30	21.08	-210.74
W+I -90 deg	SNB-J1	SNB-Ia1	SNB-LI21	302.936	2.649	2.650	-2.550	0.718	5.24	12.86	302.63
W+I -90 deg	SNB-J2	SNB-Ia2	SNB-LI22	-264.896	33.972	33.998	-30.330	15.362	-20.54	39.30	-263.36
W+I -60 deg	RohnJP	RohnIaS	Rohn-LI2P	150.463	4.109	4.112	-1.497	-3.830	-2.12	1.50	150.50
W+I -60 deg	SNB-JP	SNB-IaS	SNB-LI2P	179.216	6.800	6.804	-3.162	-6.025	-1.03	3.16	179.31
W+I -60 deg	RohnJ1	RohnIa1	Rohn-LI21	150.351	4.056	4.059	2.640	3.084	-0.11	2.50	150.39
W+I -60 deg	RohnJ2	RohnIa2	Rohn-LI22	-241.369	16.474	16.487	-14.241	8.308	-13.06	22.47	-240.53
W+I -60 deg	SNB-J1	SNB-Ia1	SNB-LI21	179.128	6.795	6.799	3.636	5.745	-2.22	2.47	179.23
W+I -60 deg	SNB-J2	SNB-Ia2	SNB-LI22	-301.194	36.077	36.105	-31.268	18.051	-23.94	41.48	-299.54
W+I 0 deg	RohnJP	RohnIaS	Rohn-LI2P	304.706	1.416	1.418	0.055	1.416	-13.44	-0.05	304.41
W+I 0 deg	SNB-JP	SNB-IaS	SNB-LI2P	369.802	6.424	6.429	0.002	6.429	-20.96	-0.00	369.26
W+I 0 deg	RohnJ1	RohnIa1	Rohn-LI21	-122.602	12.906	12.916	10.223	7.894	-10.30	-14.40	-122.00
W+I 0 deg	RohnJ2	RohnIa2	Rohn-LI22	-122.663	12.890	12.900	-10.278	7.796	-10.21	14.45	-122.06
W+I 0 deg	SNB-J1	SNB-Ia1	SNB-LI21	-156.302	27.522	27.543	21.857	16.760	-19.81	-27.14	-155.11
W+I 0 deg	SNB-J2	SNB-Ia2	SNB-LI22	-156.348	27.519	27.540	-21.855	16.758	-19.81	27.14	-155.15
W+I 60 deg	RohnJP	RohnIaS	Rohn-LI2P	150.466	4.130	4.133	1.553	-3.830	-2.11	-1.55	150.50
W+I 60 deg	SNB-JP	SNB-IaS	SNB-LI2P	179.214	6.801	6.806	3.164	-6.025	-1.03	-3.16	179.31
W+I 60 deg	RohnJ1	RohnIa1	Rohn-LI21	-241.313	16.475	16.488	14.213	8.357	-13.11	-22.44	-240.47
W+I 60 deg	RohnJ2	RohnIa2	Rohn-LI22	150.294	4.037	4.040	-2.666	3.036	-0.07	-2.48	150.33
W+I 60 deg	SNB-J1	SNB-Ia1	SNB-LI21	-301.145	36.078	36.106	31.270	18.052	-23.94	-41.48	-299.49
W+I 60 deg	SNB-J2	SNB-Ia2	SNB-LI22	179.079	6.793	6.797	-3.634	5.744	-2.22	-2.47	179.18
W+I 90 deg	RohnJP	RohnIaS	Rohn-LI2P	19.933	8.258	8.264	1.839	-8.057	7.26	-1.84	20.23
W+I 90 deg	SNB-JP	SNB-IaS	SNB-LI2P	19.110	16.486	16.498	3.767	-16.062	15.29	-3.77	19.73
W+I 90 deg	RohnJ1	RohnIa1	Rohn-LI21	-211.466	15.590	15.602	13.873	7.138	-11.30	-21.08	-210.69
W+I 90 deg	RohnJ2	RohnIa2	Rohn-LI22	250.979	0.894	0.894	-0.078	0.890	4.06	-8.50	250.80
W+I 90 deg	SNB-J1	SNB-Ia1	SNB-LI21	-264.846	33.974	34.000	30.332	15.362	-20.54	-39.30	-263.31
W+I 90 deg	SNB-J2	SNB-Ia2	SNB-LI22	302.885	2.650	2.651	2.552	0.718	5.24	-12.86	302.58
DL + Ice Only	RohnJP	RohnIaS	Rohn-LI2P	19.940	7.976	7.983	0.000	-7.983	7.18	-0.00	20.24
DL + Ice Only	SNB-JP	SNB-IaS	SNB-LI2P	19.094	15.985	15.998	0.001	-15.998	15.22	-0.00	19.71

DL + Ice Only	RohnJ1	RohnIa1	Rohn-LI21	19.835	7.975	7.981	6.912	3.989	-3.59	-6.22	20.13
DL + Ice Only	RohnJ2	RohnIa2	Rohn-LI22	19.780	7.974	7.980	-6.911	3.989	-3.59	6.22	20.08
DL + Ice Only	SNB-J1	SNB-Ia1	SNB-LI21	19.005	15.983	15.995	13.853	7.996	-7.61	-13.18	19.62
DL + Ice Only	SNB-J2	SNB-Ia2	SNB-LI22	18.956	15.981	15.993	-13.851	7.996	-7.61	13.18	19.57

EIA Sections Information:

Section Label	Top Z (ft)	Bottom Z (ft)	Joint Count	Member Count	Top Width (ft)	Bottom Width (ft)	Gross Area (ft^2)	Face Af Adjust Factor	Face Ar Adjust Factor	Dead Load Factor
A	180.000	160.000	36	111	7.50	8.87	163.75	0.9000	0.9000	1.000
B	160.000	140.000	33	93	8.87	10.23	191.05	0.9000	0.9000	1.000
C	140.000	120.000	27	72	10.23	11.60	218.31	0.9000	0.9000	1.000
D	120.000	100.000	27	72	11.60	12.96	245.54	0.9000	0.9000	1.000
E	100.000	80.000	27	72	12.96	14.32	272.78	0.9000	0.9000	1.000
F	80.000	60.000	21	51	14.32	15.68	300.04	0.9000	0.9000	1.000
G	60.000	40.000	21	51	15.68	17.05	327.29	0.9000	0.9000	1.000
H	40.000	20.000	21	51	17.05	18.41	354.57	0.9000	0.9000	1.000
I	20.000	0.000	18	39	18.41	19.78	381.92	0.9000	0.9000	1.000

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

Group Summary (Compression Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Comp. %	Comp. Control Member	Comp. Force (kips)	Comp. Control Load Case	L/R Capacity (kips)	Comp. Conn. Shear Capacity (kips)	Comp. Conn. Bearing Capacity (kips)	RLX	RLY	RLZ	L/R	Length Comp. Member (ft)	Curve No.	No. Of Bolts Comp.
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	36.0	60.37	60.37	Rohn-DA61	-2.567	W+I 0 deg	3.189	16.200	8.156	0.500	0.500	0.500	170.38	9.740	4	1
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	86.74	86.74	Rohn-DB61	-4.423	W+I 0 deg	3.824	16.200	8.156	0.500	0.500	0.500	166.50	10.934	4	1
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	77.36	77.36	Rohn-DC21	-6.148	W+I 0 deg	5.960	16.200	8.156	0.500	0.500	0.500	150.33	12.402	4	1
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	67.98	67.98	Rohn-DE51	-7.808	W+I 90 deg	8.615	16.200	12.187	0.500	0.500	0.500	157.99	15.589	4	1
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	73.73	73.73	Rohn-DG31	-8.756	W+I 90 deg	8.907	16.200	12.187	0.500	0.500	0.500	168.33	19.470	4	1
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	60.63	58.29	Rohn-DI21	-8.750	W+I 0 deg	11.259	16.200	12.187	0.500	0.500	0.500	160.41	21.254	4	1
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	15.30	15.30	Rohn-LA4P	-13.814	W+I 0 deg	67.718	0.000	0.000	1.000	1.000	1.000	52.67	5.004	1	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	34.80	34.80	Rohn-LB4P	-39.879	W+I 0 deg	85.952	0.000	0.000	1.000	1.000	1.000	45.84	5.004	1	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	61.50	61.50	Rohn-LC3P	-80.485	W+I 0 deg	98.153	0.000	0.000	1.000	1.000	1.000	54.04	6.665	1	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	9.20	9.20	Rohn-H12	-0.659	W+I 60 deg	5.372	0.000	0.000	0.500	0.500	0.500	131.28	7.505	4	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	12.21	12.21	SNB-DA82	-2.150	W+I -90 de	13.207	16.200	13.594	0.500	0.500	0.500	111.38	7.240	1	1
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	23.83	23.83	SNB-DB51	-2.944	W+I 90 deg	9.268	16.200	10.875	0.500	0.500	0.500	122.92	8.011	4	1
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	43.15	43.15	SNB-DD62	-6.396	W+I -90 de	11.119	16.200	13.594	0.500	0.500	0.500	140.03	11.412	4	1
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	41.55	41.55	SNB-DE11	-8.976	W+I 90 deg	27.855	16.200	21.750	0.500	0.500	0.500	121.07	11.784	4	1
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	27.51	27.51	SNB-DF22	-8.801	W+I -90 de	41.102	24.000	26.100	0.500	0.500	0.500	115.20	15.014	1	1
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	37.89	36.55	SNB-DH11	-11.697	W+I 90 deg	39.490	24.000	32.625	0.500	0.500	0.500	132.03	17.142	4	1
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	75.06	71.43	SNB-DI11	-22.858	W+I 90 deg	66.757	24.000	32.625	0.500	0.500	0.500	112.06	18.267	1	1
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	12.32	12.32	SNB-LA4P	-12.346	W+I 0 deg	75.146	0.000	0.000	1.000	1.000	1.000	55.09	5.004	1	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	46.47	46.47	SNB-LC3P	-68.406	W+I 0 deg	110.397	0.000	0.000	1.000	1.000	1.000	56.33	6.665	1	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	72.46	72.46	SNB-LD3P	-104.592	W+I 0 deg	108.266	0.000	0.000	1.000	1.000	1.000	43.23	6.665	1	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	77.77	77.77	SNB-LF2P	-197.715	W+I 0 deg	190.683	0.000	0.000	1.000	1.000	1.000	55.86	10.008	1	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	91.08	91.08	SNB-LH2P	-296.167	W+I 0 deg	243.879	0.000	0.000	1.000	1.000	1.000	41.70	10.008	1	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	85.80	85.80	SNB-LI2P	-363.175	W+I 0 deg	317.480	0.000	0.000	1.000	1.000	1.000	33.08	10.008	1	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.04	0.01	Connect E1	-3.207	W+I 60 deg	17203.103	0.000	0.000	1.000	1.000	1.000	2.40	2.000	1	0

SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	1.41	1.20	SNB-H3dP	-1.274 W+I 0 deg	79.736	0.000	0.000	1.000	1.000	1.000	37.01	3.384	1	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	6.70	2.14	SNB-H8dP	-3.138 W+I 0 deg	109.782	0.000	0.000	1.000	1.000	1.000	57.38	6.791	1	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	57.03	57.03	Rohn-DB82	-5.139W+I -90 de	6.759	16.200	16.312	0.500	0.500	0.500	173.34	11.238	4	1
WLAC-1	Wind Lacing 1	SAE	2X2X0.25	36.0	2.42	2.42	SNB-WL-D1P	-0.291W+I 60 deg	9.011	0.000	0.000	1.000	1.000	1.000	124.79	4.066	4	0
WLAC-2	Wind Lacing 2	SAE	2.5X2.5X0.3125	36.0	3.62	3.62	SNB-WL-I1P	-0.313W+I 60 deg	6.485	0.000	0.000	1.000	1.000	1.000	183.36	7.472	4	0
Rohn-D3a	Rohn Diagonal 3a	SAE	2.5X2.5X0.25	36.0	90.44	90.44	Rohn-DC51	-8.265W+I 90 deg	6.854	16.200	10.875	0.500	0.500	0.500	161.02	13.177	4	1
Rohn-D4a	Rohn Diagonal 4a	SAE	2.5X2.5X0.3125	36.0	89.15	89.15	Rohn-DD11	-9.348W+I 90 deg	7.864	16.200	13.594	0.500	0.500	0.500	166.51	13.570	4	1
Rohn-L8a	Rohn Leg 8a	EXP-1	MOD-P8STD	50.0	68.40	68.40	Rohn-LI1P	-285.040 W+I 0 deg	312.544	0.000	0.000	1.000	1.000	1.000	41.84	10.008	1	0
Rohn-L7a	Rohn Leg 7a	EXP-2	MOD-P6SCH80	50.0	75.74	75.74	Rohn-LG2P	-240.810 W+I 0 deg	238.476	0.000	0.000	1.000	1.000	1.000	56.12	10.008	1	0
Rohn-L6a	Rohn Leg 6a	EXP-3	MOD-P6STD	50.0	70.09	70.09	Rohn-LF1P	-183.332 W+I 0 deg	196.191	0.000	0.000	1.000	1.000	1.000	55.74	10.008	1	0
Rohn-L5a	Rohn Leg 5a	EXP-4	MOD-P5SCH80	50.0	65.93	65.93	Rohn-LE3P	-166.261 W+I 0 deg	189.152	0.000	0.000	1.000	1.000	1.000	45.23	6.665	1	0
Rohn-L4a	Rohn Leg 4a	EXP-5	MOD-P5STD	50.0	82.46	82.46	Rohn-LD3P	-129.428 W+I 0 deg	117.722	0.000	0.000	1.000	1.000	1.000	73.81	6.665	1	0
Rohn-D4b	Rohn Diagonal 4b	SAE	2.5X2.5X0.375	50.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-D3b	Rohn Diagonal 3b	SAE	2.5X2.5X0.3125	50.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L3a	Rohn Leg 3a	EXP-6	MOD-P4SCH80	50.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-D2a	Rohn Diagonal 2a	SAE	2X2X0.25	36.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0

Group Summary (Tension Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Tens. %	Tension Control Member	Tension Force (kips)	Tension Control Load Case	Net Section Capacity (kips)	Tens. Conn. Shear Capacity (kips)	Tens. Conn. Bearing Capacity (kips)	Tens. Conn. Rupture Capacity (kips)	Length Tens. Member (ft)	No. Of Bolts Tens.	No. Of Holes	Hole Diameter (in)
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	36.0	60.37	20.64	Rohn-DA72	2.245W+I 90 deg		10.681	16.200	8.156	8.684	10.034	1	1.000	0.6875
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	86.74	39.63	Rohn-DB5P	4.309W+I 60 deg		12.639	16.200	8.156	9.527	10.934	1	1.000	0.6875
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	77.36	51.77	Rohn-DC1P	5.630W+I 60 deg		16.815	16.200	8.156	10.195	12.402	1	1.000	0.6875
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	67.98	45.45	Rohn-DE51	7.385W+I -90 de		30.910	16.200	12.187	15.234	15.589	1	1.000	0.6875
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	73.73	57.95	Rohn-DF42	9.416W+I 90 deg		37.004	16.200	12.187	15.234	18.315	1	1.000	0.6875
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	60.63	60.63	Rohn-DI42	9.852W+I 90 deg		43.098	16.200	12.187	15.234	21.860	1	1.000	0.6875
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	15.30	9.67	Rohn-LA42	10.944W+I -60 de		84.900	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	34.80	22.96	Rohn-LB42	31.596W+I -60 de		103.200	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	61.50	39.24	Rohn-LC31	64.980W+I 60 deg		124.200	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	9.20	5.04	Rohn-H11	0.900 W+I 0 deg		13.392	0.000	0.000	0.000	7.505	0	0.000	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	12.21	11.93	SNB-DA82	2.162W+I 90 deg		20.340	16.200	13.594	15.879	7.240	1	1.000	0.6875
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	23.83	20.89	SNB-DB51	3.029W+I -90 de		16.707	16.200	10.875	12.703	8.011	1	1.000	0.6875
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	43.15	33.81	SNB-DD62	6.129W+I 90 deg		27.082	16.200	13.594	16.992	11.412	1	1.000	0.6875
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	41.55	41.38	SNB-DE11	8.937W+I -90 de		52.336	16.200	21.750	27.187	11.784	1	1.000	0.6875
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	27.51	27.16	SNB-DF22	8.691W+I 90 deg		72.726	24.000	26.100	32.625	15.014	1	1.000	0.8125
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	37.89	37.89	SNB-DH42	12.123W+I 90 deg		89.222	24.000	32.625	40.781	17.700	1	1.000	0.8125
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	75.06	75.06	SNB-DI42	24.017W+I 90 deg		116.410	24.000	32.625	40.781	18.841	1	1.000	0.8125
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	12.32	8.71	SNB-LA42	10.532W+I -60 de		90.720	0.000	0.000	0.000	5.004	0	0.000	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	46.47	32.76	SNB-LC31	58.592W+I 60 deg		134.136	0.000	0.000	0.000	6.665	0	0.000	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	72.46	54.13	SNB-LD32	89.173W+I -60 de		123.552	0.000	0.000	0.000	6.665	0	0.000	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	77.77	53.75	SNB-LF22	165.644W+I -60 de		231.120	0.000	0.000	0.000	10.008	0	0.000	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	91.08	65.40	SNB-LH22	241.099W+I -60 de		276.480	0.000	0.000	0.000	10.008	0	0.000	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	85.80	59.67	SNB-LI22	276.679W+I -60 de		347.759	0.000	0.000	0.000	10.008	0	0.000	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.04	0.04	Connect IP	8.329 W+I 0 deg		17279.973	0.000	0.000	0.000	2.002	0	0.000	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	1.41	1.41	SNB-H4eP	1.662W+I 60 deg		88.668	0.000	0.000	0.000	4.066	0	0.000	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	6.70	6.70	SNB-H9aP	11.988W+I -60 de		134.136	0.000	0.000	0.000	7.472	0	0.000	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	57.03	22.88	Rohn-DB7P	4.943 W+I 0 deg		23.973	16.200	16.312	19.055	11.238	1	1.000	0.6875
WLAC-1	Wind Lacing 1	SAE	2X2X0.25	36.0	2.42	1.31	SNB-WL-D3P	0.355 W+I 0 deg		20.304	0.000	0.000	0.000	4.066	0	0.000	0
WLAC-2	Wind Lacing 2	SAE	2.5X2.5X0.3125	36.0	3.62	1.05	SNB-WL-G3P	0.442 W+I 0 deg		31.536	0.000	0.000	0.000	6.110	0	0.000	0
Rohn-D3a	Rohn Diagonal 3a	SAE	2.5X2.5X0.25	36.0	90.44	54.09	Rohn-DC51	7.842W+I -90 de		22.144	16.200	10.875	13.594	13.177	1	1.000	0.6875
Rohn-D4a	Rohn Diagonal 4a	SAE	2.5X2.5X0.3125	36.0	89.15	49.83	Rohn-DD11	9.031W+I -90 de		27.082	16.200	13.594	16.992	13.570	1	1.000	0.6875
Rohn-L8a	Rohn Leg 8a	EXP-1	MOD-P8STD	50.0	68.40	47.66	Rohn-LI22	233.014W+I -60 de		366.683	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L7a	Rohn Leg 7a	EXP-2	MOD-P6SCH80	50.0	75.74	53.92	Rohn-LH22	220.078W+I -60 de		306.144	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L6a	Rohn Leg 6a	EXP-3	MOD-P6STD	50.0	70.09	49.56	Rohn-LF22	165.964W+I -60 de		251.187	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L5a	Rohn Leg 5a	EXP-4	MOD-P5SCH80	50.0	65.93	45.00	Rohn-LE32	135.772W+I -60 de		226.293	0.000	0.000	0.000	6.665	0	0.000	0

Rohn-L4a	Rohn Leg 4a	EXP-5	MOD-P5STD	50.0	82.46	45.39	Rohn-LD32	105.699W+I -60 de	174.651	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-D4b	Rohn Diagonal 4b	SAE	2.5X2.5X0.375	50.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-D3b	Rohn Diagonal 3b	SAE	2.5X2.5X0.3125	50.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L3a	Rohn Leg 3a	EXP-6	MOD-P4SCH80	50.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-D2a	Rohn Diagonal 2a	SAE	2X2X0.25	36.0	0.00	0.00		0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0

*** Maximum Stress Summary for Each Load Case

Summary of Maximum Usages by Load Case:

Load Case	Maximum Usage %	Element Label	Element Type
W+I -90 deg	90.30	Rohn-DC62	Angle
W+I -60 deg	79.40	Rohn-DC52	Angle
W+I 0 deg	91.08	SNB-LH2P	Angle
W+I 60 deg	80.62	Rohn-DB61	Angle
W+I 90 deg	90.44	Rohn-DC51	Angle
DL + Ice Only	30.56	SNB-DI32	Angle

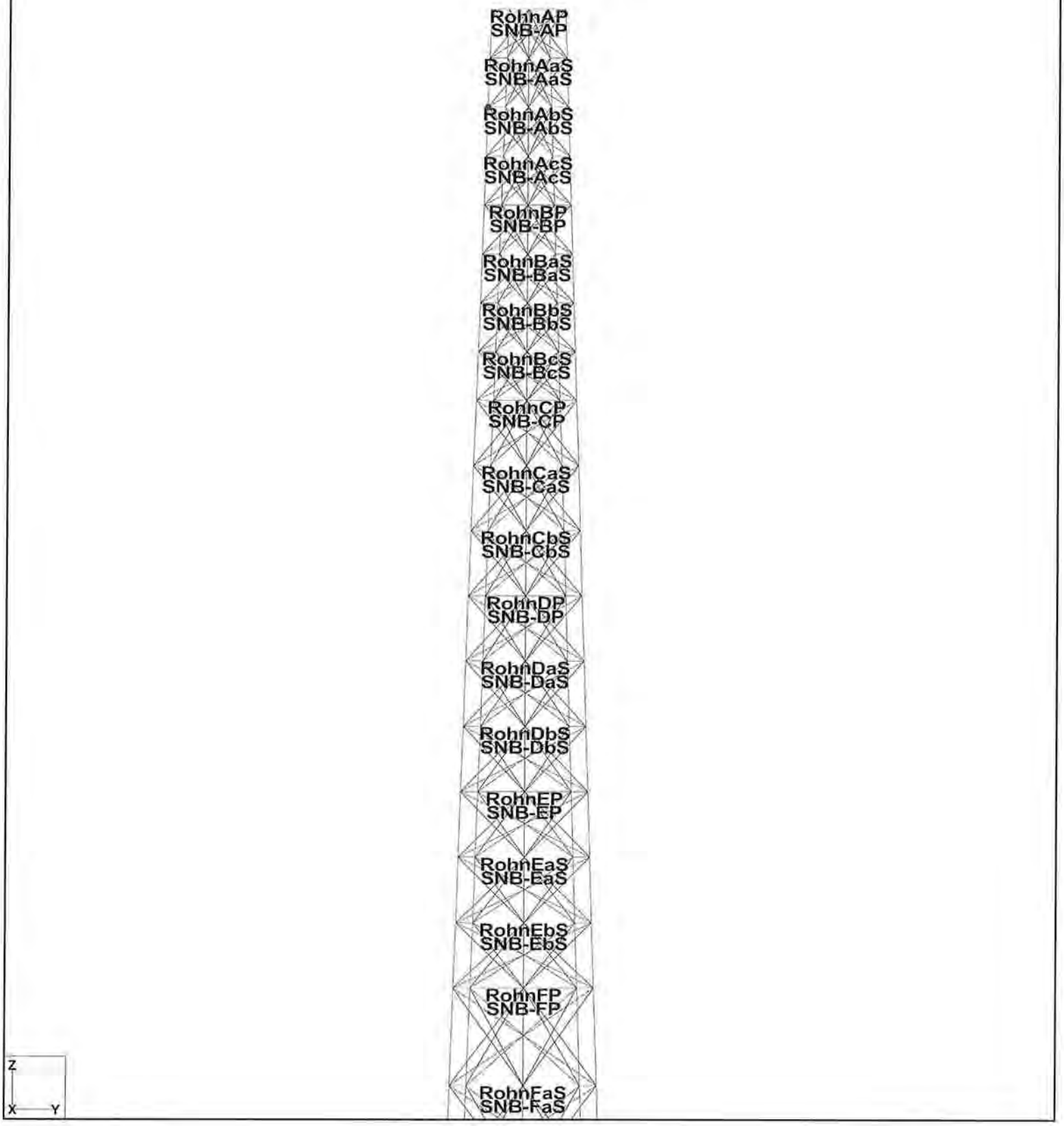
*** Weight of structure (lbs):

Weight of Angles*Section DLF:	65652.0
Weight of Equipment:	13037.5
Total:	78689.5

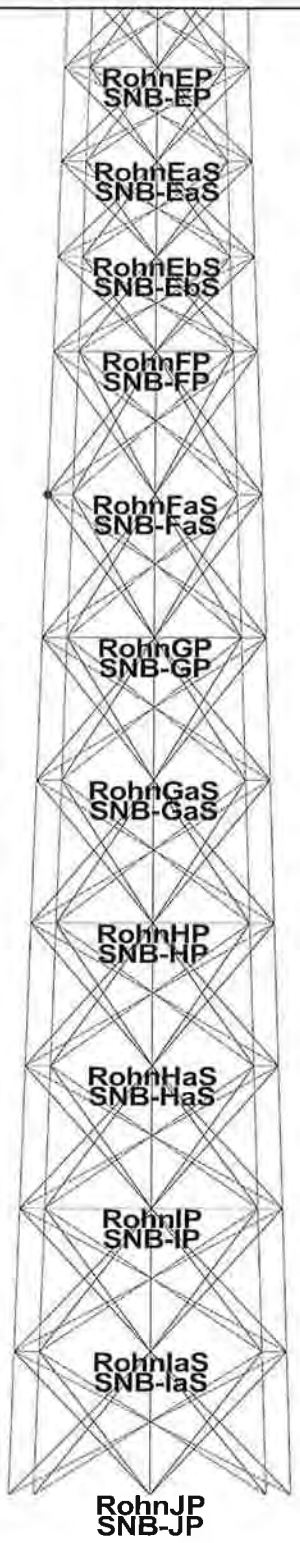
*** End of Report

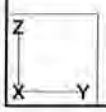
PLS-TOWER NODE LOCATIONS

URS Connecticut, Project - Butternut Hollow Greenwich, CT Tower Version 10.62, Monday, September 14, 2015 Undeformed geometry displayed



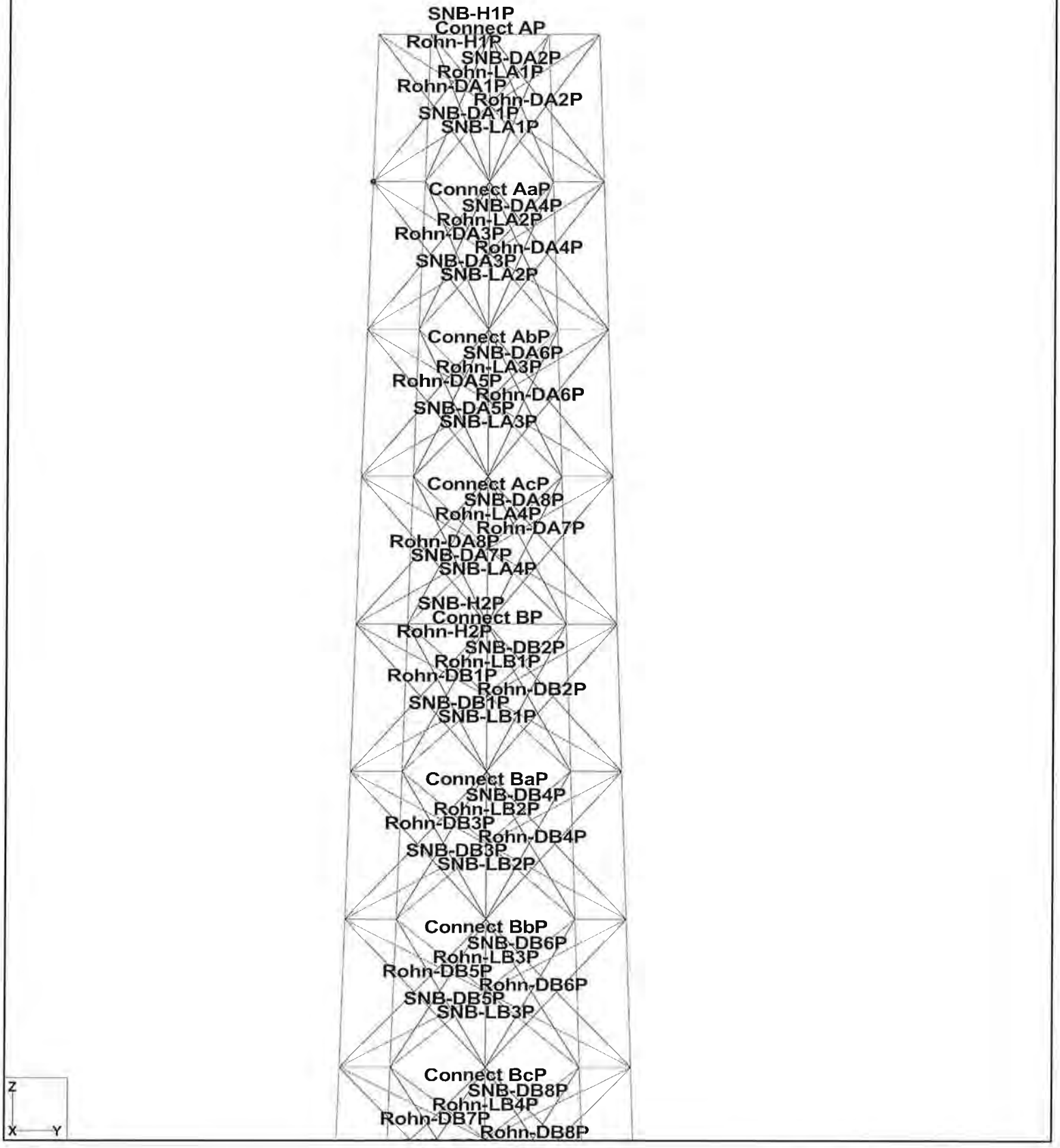
URS Connecticut, Project - Butternut Hollow Greenwich, CT
Tower Version 10.62, Monday, September 14, 2015
Undeformed geometry displayed



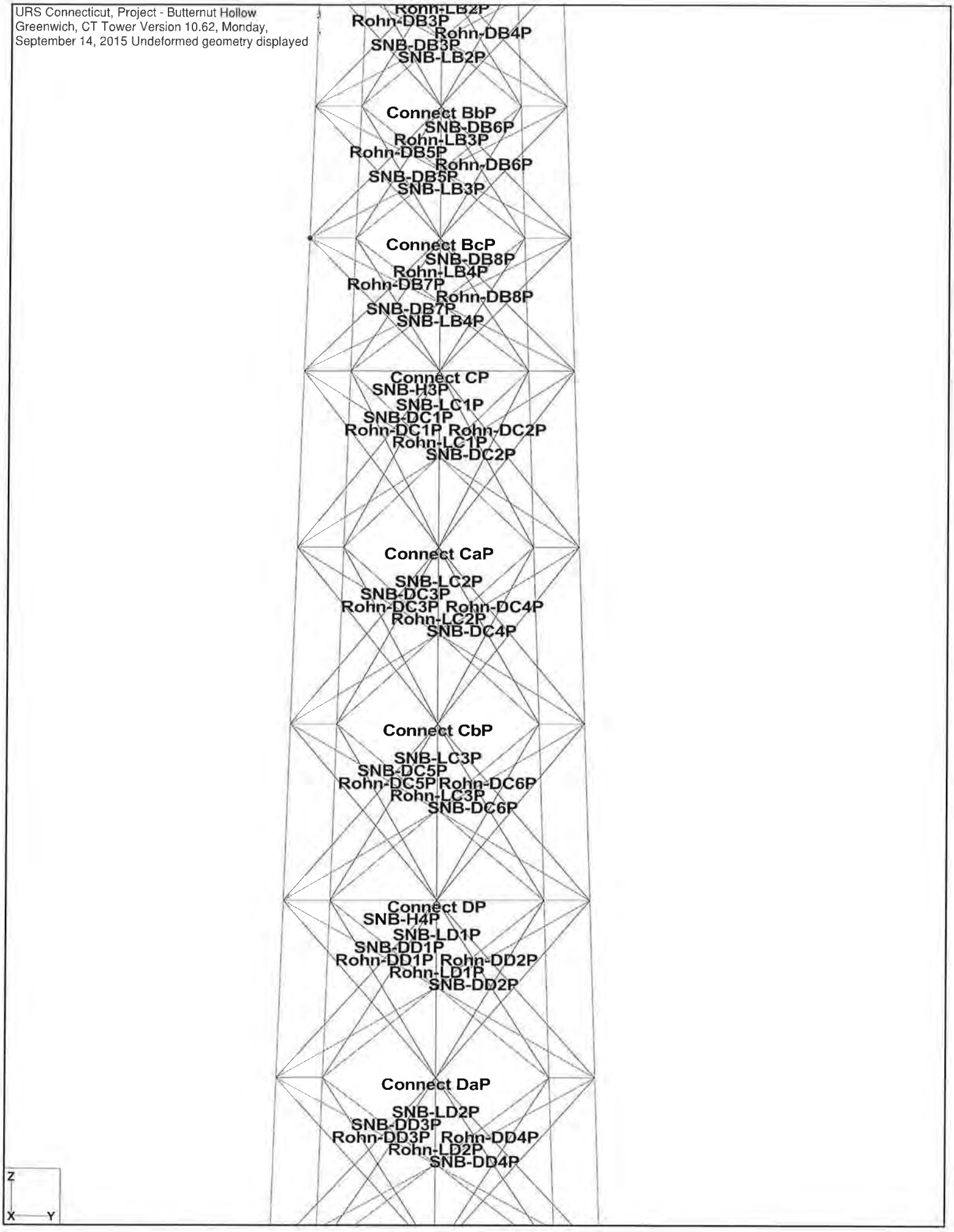


PLS-TOWER MEMBER LOCATIONS

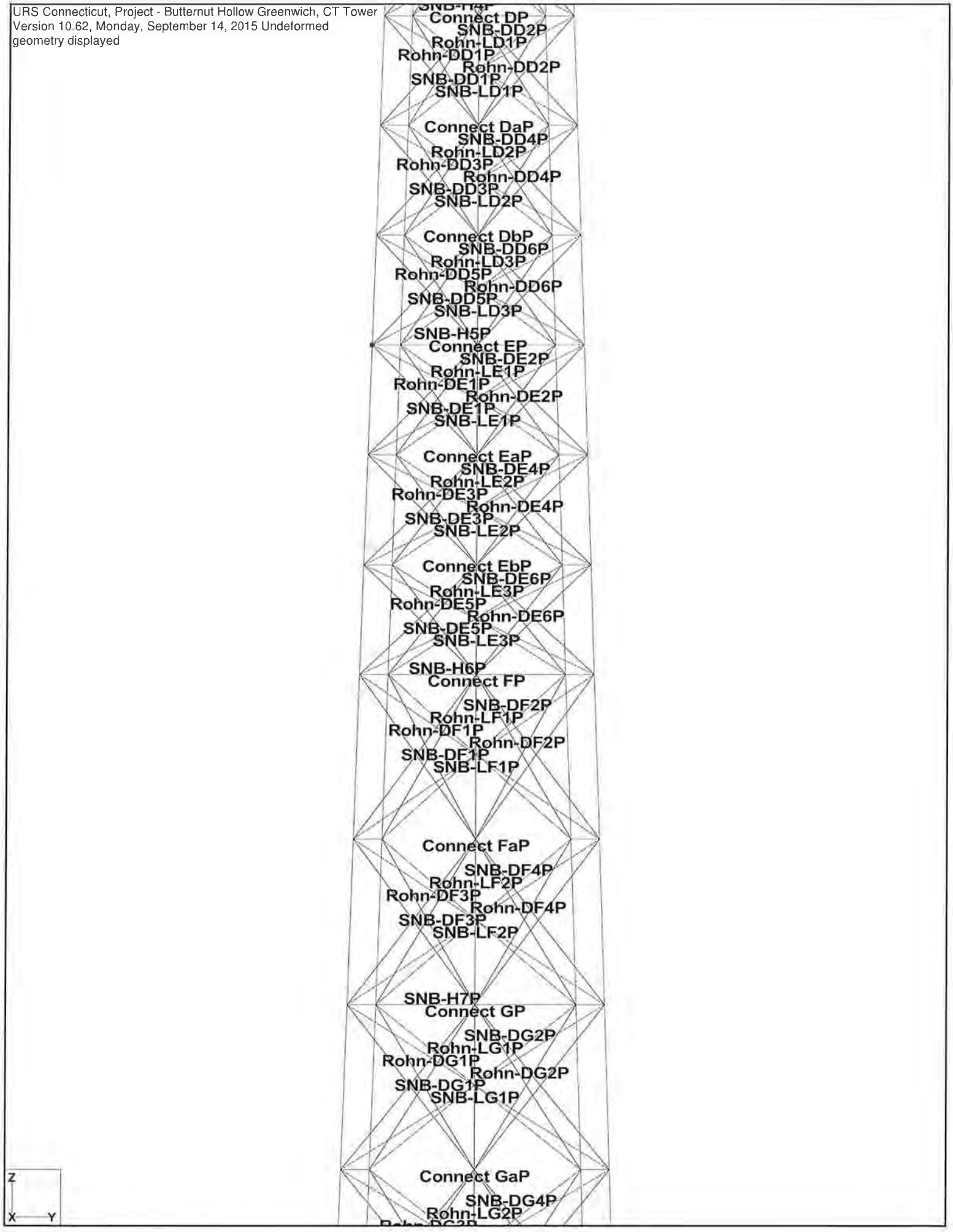
URS Connecticut, Project - Butternut Hollow Greenwich, CT
Tower Version 10.62, Monday, September 14, 2015
Undeformed geometry displayed



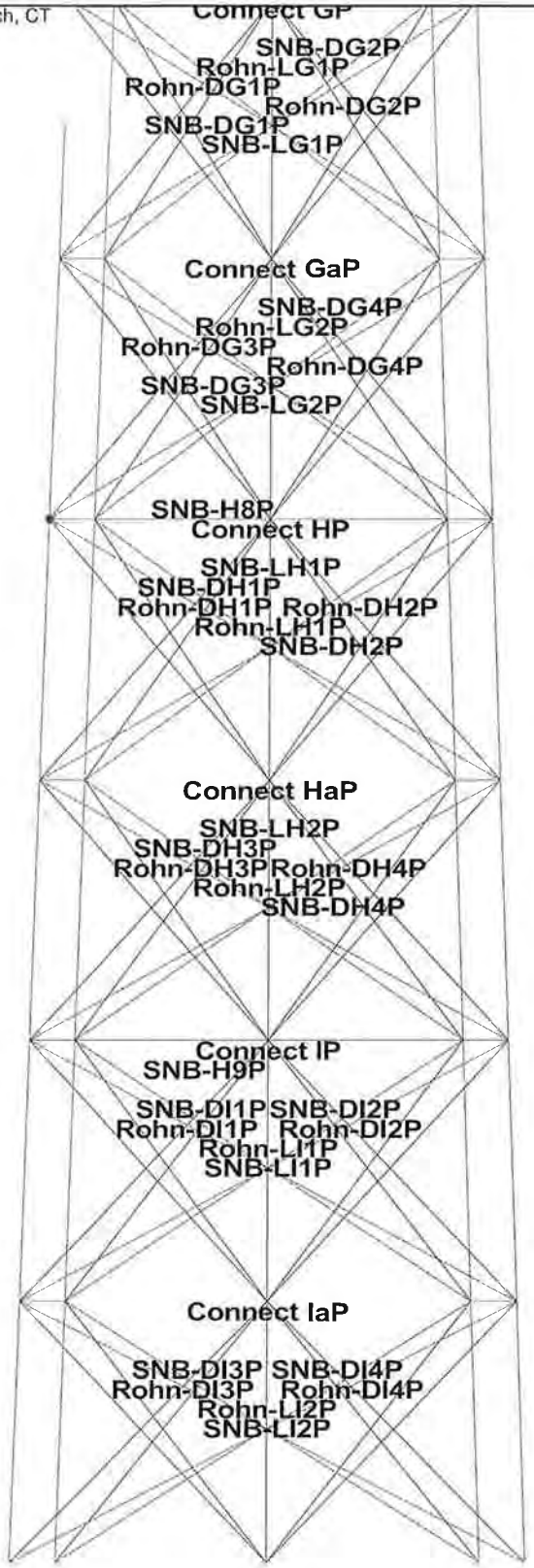
URS Connecticut, Project - Butternut Hollow
Greenwich, CT Tower Version 10.62, Monday,
September 14, 2015 Undeformed geometry displayed

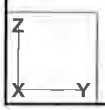


URS Connecticut, Project - Butternut Hollow Greenwich, CT Tower
Version 10.62, Monday, September 14, 2015 Undeformed
geometry displayed



URS Connecticut, Project - Butternut Hollow Greenwich, CT
Tower Version 10.62, Monday, September 14, 2015
Undeformed geometry displayed





PLS-TOWER DETAILED OUTPUT

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

Project Name : NSS-036 / Northeast Site Solutions
Project Notes: Butternut Hollow
Project File : P:\Projects\Telcom\Structurals_By_Location\Connecticut\GreenwichCSP#74\05-604#####-NSS-035R1\nss-035_t_mobile tow
Date run     : 3:10:38 PM Thursday, September 17, 2015
by           : Tower Version 10 62
Licensed to  : URS Connecticut

Successfully performed nonlinear analysis

Unusual number of fixed joints found: 6.  Towers normally have from between 1 and 4 fixed joints. ??
Linear appurtenance "1-5/8" @ 180`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 180`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1/2" @ 180`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Ellipitical @ 175`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 175`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Ellipitical @ 170`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 170`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-1/4" @ 165`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 135` (relocated-NEU)" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Ellipitical @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-1/4" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "3/8" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1/2" @ 160`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ ATT" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Optic Fiber Cable @ ATT" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "DC Cable @ ATT" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 130` (relocated-NEU)" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1-5/8" @ 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 appurtenance "1-5/8" @ VZW" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Optic Fiber Cable @ VZW" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "Hybriflex Cables @ Sprint" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 113`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 80`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1/2" @ 60`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "1/2" @ 20`" is included in the face zone (face solidity ratio for Rev. F), but does not contribute to wind load: this is nonsensical ??
Linear appurtenance "7/8" @ 110` (relocated-NEU)" 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 28 warnings.  ??

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

Joints Geometry:

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

URS Connecticut - nss-035_t_mobile                                                    Page 1/126
```

RohnJP	Tri-Symmetry	11.42	0	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
SNB-AP	Tri-Symmetry	2.333	0	180	Free	Free	Free	Free	Free	Free
SNB-BP	Tri-Symmetry	3.121	0	160	Free	Free	Free	Free	Free	Free
SNB-CP	Tri-Symmetry	3.908	0	140	Free	Free	Free	Free	Free	Free
SNB-DP	Tri-Symmetry	4.695	0	120	Free	Free	Free	Free	Free	Free
SNB-EP	Tri-Symmetry	5.481	0	100	Free	Free	Free	Free	Free	Free
SNB-FP	Tri-Symmetry	6.268	0	80	Free	Free	Free	Free	Free	Free
SNB-GP	Tri-Symmetry	7.055	0	60	Free	Free	Free	Free	Free	Free
SNB-HP	Tri-Symmetry	7.841	0	40	Free	Free	Free	Free	Free	Free
SNB-IP	Tri-Symmetry	8.628	0	20	Free	Free	Free	Free	Free	Free
SNB-JP	Tri-Symmetry	9.415	0	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
RohnA1	Tri-Gen 1	-2.167	-3.752	180	Free	Free	Free	Free	Free	Free
RohnA2	Tri-Gen 2	-2.167	3.752	180	Free	Free	Free	Free	Free	Free
RohnB1	Tri-Gen 1	-2.561	-4.435	160	Free	Free	Free	Free	Free	Free
RohnB2	Tri-Gen 2	-2.561	4.435	160	Free	Free	Free	Free	Free	Free
RohnC1	Tri-Gen 1	-2.954	-5.117	140	Free	Free	Free	Free	Free	Free
RohnC2	Tri-Gen 2	-2.954	5.117	140	Free	Free	Free	Free	Free	Free
RohnD1	Tri-Gen 1	-3.348	-5.798	120	Free	Free	Free	Free	Free	Free
RohnD2	Tri-Gen 2	-3.348	5.798	120	Free	Free	Free	Free	Free	Free
RohnE1	Tri-Gen 1	-3.741	-6.479	100	Free	Free	Free	Free	Free	Free
RohnE2	Tri-Gen 2	-3.741	6.479	100	Free	Free	Free	Free	Free	Free
RohnF1	Tri-Gen 1	-4.134	-7.16	80	Free	Free	Free	Free	Free	Free
RohnF2	Tri-Gen 2	-4.134	7.16	80	Free	Free	Free	Free	Free	Free
RohnG1	Tri-Gen 1	-4.527	-7.842	60	Free	Free	Free	Free	Free	Free
RohnG2	Tri-Gen 2	-4.527	7.842	60	Free	Free	Free	Free	Free	Free
RohnH1	Tri-Gen 1	-4.921	-8.523	40	Free	Free	Free	Free	Free	Free
RohnH2	Tri-Gen 2	-4.921	8.523	40	Free	Free	Free	Free	Free	Free
RohnI1	Tri-Gen 1	-5.315	-9.206	20	Free	Free	Free	Free	Free	Free
RohnI2	Tri-Gen 2	-5.315	9.206	20	Free	Free	Free	Free	Free	Free
RohnJ1	Tri-Gen 1	-5.71	-9.89	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
RohnJ2	Tri-Gen 2	-5.71	9.89	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
SNB-A1	Tri-Gen 1	-1.167	-2.02	180	Free	Free	Free	Free	Free	Free
SNB-A2	Tri-Gen 2	-1.167	2.02	180	Free	Free	Free	Free	Free	Free
SNB-B1	Tri-Gen 1	-1.561	-2.703	160	Free	Free	Free	Free	Free	Free
SNB-B2	Tri-Gen 2	-1.561	2.703	160	Free	Free	Free	Free	Free	Free
SNB-C1	Tri-Gen 1	-1.954	-3.384	140	Free	Free	Free	Free	Free	Free
SNB-C2	Tri-Gen 2	-1.954	3.384	140	Free	Free	Free	Free	Free	Free
SNB-D1	Tri-Gen 1	-2.348	-4.066	120	Free	Free	Free	Free	Free	Free
SNB-D2	Tri-Gen 2	-2.348	4.066	120	Free	Free	Free	Free	Free	Free
SNB-E1	Tri-Gen 1	-2.74	-4.747	100	Free	Free	Free	Free	Free	Free
SNB-E2	Tri-Gen 2	-2.74	4.747	100	Free	Free	Free	Free	Free	Free
SNB-F1	Tri-Gen 1	-3.134	-5.428	80	Free	Free	Free	Free	Free	Free
SNB-F2	Tri-Gen 2	-3.134	5.428	80	Free	Free	Free	Free	Free	Free
SNB-G1	Tri-Gen 1	-3.528	-6.11	60	Free	Free	Free	Free	Free	Free
SNB-G2	Tri-Gen 2	-3.528	6.11	60	Free	Free	Free	Free	Free	Free
SNB-H1	Tri-Gen 1	-3.921	-6.791	40	Free	Free	Free	Free	Free	Free
SNB-H2	Tri-Gen 2	-3.921	6.791	40	Free	Free	Free	Free	Free	Free
SNB-I1	Tri-Gen 1	-4.314	-7.472	20	Free	Free	Free	Free	Free	Free
SNB-I2	Tri-Gen 2	-4.314	7.472	20	Free	Free	Free	Free	Free	Free
SNB-J1	Tri-Gen 1	-4.708	-8.154	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
SNB-J2	Tri-Gen 2	-4.708	8.154	0	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed

Secondary Joints:

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

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

RohnCb2	Tri-Gen	2	RohnCP	RohnDP	0.667	0	Free	Free	Free	Free	Free	Free
RohnDa1	Tri-Gen	1	RohnDP	RohnEP	0.333	0	Free	Free	Free	Free	Free	Free
RohnDa2	Tri-Gen	2	RohnDP	RohnEP	0.333	0	Free	Free	Free	Free	Free	Free
RohnDb1	Tri-Gen	1	RohnDP	RohnEP	0.667	0	Free	Free	Free	Free	Free	Free
RohnDb2	Tri-Gen	2	RohnDP	RohnEP	0.667	0	Free	Free	Free	Free	Free	Free
RohnEa1	Tri-Gen	1	RohnEP	RohnFP	0.333	0	Free	Free	Free	Free	Free	Free
RohnEa2	Tri-Gen	2	RohnEP	RohnFP	0.333	0	Free	Free	Free	Free	Free	Free
RohnEb1	Tri-Gen	1	RohnEP	RohnFP	0.667	0	Free	Free	Free	Free	Free	Free
RohnEb2	Tri-Gen	2	RohnEP	RohnFP	0.667	0	Free	Free	Free	Free	Free	Free
RohnFa1	Tri-Gen	1	RohnFP	RohnGP	0.5	0	Free	Free	Free	Free	Free	Free
RohnFa2	Tri-Gen	2	RohnFP	RohnGP	0.5	0	Free	Free	Free	Free	Free	Free
RohnGa1	Tri-Gen	1	RohnGP	RohnHP	0.5	0	Free	Free	Free	Free	Free	Free
RohnGa2	Tri-Gen	2	RohnGP	RohnHP	0.5	0	Free	Free	Free	Free	Free	Free
RohnHa1	Tri-Gen	1	RohnHP	RohnIP	0.5	0	Free	Free	Free	Free	Free	Free
RohnHa2	Tri-Gen	2	RohnHP	RohnIP	0.5	0	Free	Free	Free	Free	Free	Free
RohnIa1	Tri-Gen	1	RohnIP	RohnJP	0.5	0	Free	Free	Free	Free	Free	Free
RohnIa2	Tri-Gen	2	RohnIP	RohnJP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Aa1	Tri-Gen	1	SNB-AP	SNB-BP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Aa2	Tri-Gen	2	SNB-AP	SNB-BP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Ab1	Tri-Gen	1	SNB-AP	SNB-BP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ab2	Tri-Gen	2	SNB-AP	SNB-BP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ac1	Tri-Gen	1	SNB-AP	SNB-BP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Ac2	Tri-Gen	2	SNB-AP	SNB-BP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Ba1	Tri-Gen	1	SNB-BP	SNB-CP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Ba2	Tri-Gen	2	SNB-BP	SNB-CP	0.25	0	Free	Free	Free	Free	Free	Free
SNB-Bb1	Tri-Gen	1	SNB-BP	SNB-CP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Bb2	Tri-Gen	2	SNB-BP	SNB-CP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Bc1	Tri-Gen	1	SNB-BP	SNB-CP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Bc2	Tri-Gen	2	SNB-BP	SNB-CP	0.75	0	Free	Free	Free	Free	Free	Free
SNB-Ca1	Tri-Gen	1	SNB-CP	SNB-DP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Ca2	Tri-Gen	2	SNB-CP	SNB-DP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Cb1	Tri-Gen	1	SNB-CP	SNB-DP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Cb2	Tri-Gen	2	SNB-CP	SNB-DP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Da1	Tri-Gen	1	SNB-DP	SNB-EP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Da2	Tri-Gen	2	SNB-DP	SNB-EP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Db1	Tri-Gen	1	SNB-DP	SNB-EP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Db2	Tri-Gen	2	SNB-DP	SNB-EP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Ea1	Tri-Gen	1	SNB-EP	SNB-FP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Ea2	Tri-Gen	2	SNB-EP	SNB-FP	0.333	0	Free	Free	Free	Free	Free	Free
SNB-Eb1	Tri-Gen	1	SNB-EP	SNB-FP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Eb2	Tri-Gen	2	SNB-EP	SNB-FP	0.667	0	Free	Free	Free	Free	Free	Free
SNB-Fa1	Tri-Gen	1	SNB-FP	SNB-GP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Fa2	Tri-Gen	2	SNB-FP	SNB-GP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ga1	Tri-Gen	1	SNB-GP	SNB-HP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ga2	Tri-Gen	2	SNB-GP	SNB-HP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ha1	Tri-Gen	1	SNB-HP	SNB-IP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ha2	Tri-Gen	2	SNB-HP	SNB-IP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ia1	Tri-Gen	1	SNB-IP	SNB-JP	0.5	0	Free	Free	Free	Free	Free	Free
SNB-Ia2	Tri-Gen	2	SNB-IP	SNB-JP	0.5	0	Free	Free	Free	Free	Free	Free

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

Steel Material Properties:

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

Bolt Properties:

Bolt	Bolt	Hole	Ultimate	Default	Default	Shear	Shear

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

Number Bolts Used By Type:

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

Angle Properties:

Angle Type	Angle Size	Long Leg (in)	Short Leg (in)	Thick. (in)	Unit Weight (lbs/ft)	Gross Area (in^2)	w/t Ratio	Radius of Gyration Rx (in)	Radius of Gyration Ry (in)	Radius of Gyration Rz (in)	Number of Angles	Wind Width (in)	Short Edge Dist. (in)	Long Edge Dist. (in)	Optimize Cost Factor	Section Modulus (in^3)
SAE	5X5X0.625	5	5	0.625	20	5.86	6.2	1.52	1.52	0.978	1	5	2.5	0	1.0000	0
SAE	4X4X0.625	4	4	0.625	15.7	4.61	4.8	1.2	1.2	0.779	1	4	2	0	1.0000	0
SAE	4X4X0.5	4	4	0.5	12.8	3.75	6.25	1.22	1.22	0.782	1	4	2	0	1.0000	0
SAE	4X4X0.25	4	4	0.25	6.6	1.94	13.5	1.25	1.25	0.795	1	4	2	0	1.0000	0
SAE	3.5X3.5X0.25	3.5	3.5	0.25	5.8	1.69	11.5	1.09	1.09	0.694	1	3.5	1.75	0	1.0000	0
SAE	3X3X0.5	3	3	0.5	9.4	2.75	4.38	0.898	0.898	0.584	1	3	1.5	0	1.0000	0
SAE	3X3X0.25	3	3	0.25	4.9	1.44	9.75	0.93	0.93	0.592	1	3	1.5	0	1.0000	0
SAE	2.5X2.5X0.375	2.5	2.5	0.375	5.9	1.73	4.83	0.753	0.753	0.487	1	2.5	1.25	0	1.0000	0
SAE	2.5X2.5X0.3125	2.5	2.5	0.3125	5	1.46	6	0.761	0.761	0.489	1	2.5	1.25	0	1.0000	0
SAE	2.5X2.5X0.25	2.5	2.5	0.25	4.1	1.19	7.75	0.769	0.769	0.491	1	2.5	1.25	0	1.0000	0
SAE	2.5X2.5X0.1875	2.5	2.5	0.1875	3.07	0.902	10.67	0.778	0.778	0.495	1	2.5	1.25	0	1.0000	0
SAE	2X2X0.375	2	2	0.375	4.7	1.36	3	0.594	0.594	0.389	1	2	1	0	1.0000	0
SAE	2X2X0.3125	2	2	0.3125	3.92	1.15	3.8	0.601	0.601	0.39	1	2	1	0	1.0000	0
SAE	2X2X0.25	2	2	0.25	3.19	0.94	5	0.609	0.609	0.391	1	2	1	0	1.0000	0
SAE	2X2X0.1875	2	2	0.1875	2.44	0.71	8	0.617	0.617	0.394	1	2	1	0	1.0000	0
SAE	1.75X1.75X0.1875	1.75	1.75	0.1875	2.12	0.62	6	0.537	0.537	0.343	1	1.75	0.875	0	1.0000	0
BIG	0.1X0.1X1	0.1	0.1	1	0	800	2.17	9.99	9.99	9.99	1	0.1	0.05	0	1.0000	0
Pipe	Pipe3EH	3.5	2.9	0	10.3	2.83	1	1.14	1.14	1.14	1	0	0	0	0.0000	0
Pipe	Pipe4EH	4.5	3.826	0	15	4.14	1	1.48	1.48	1.48	1	0	0	0	0.0000	0
Pipe	Pipe5STD	5.563	5.047	0	14.6	4.03	1	1.88	1.88	1.88	1	0	0	0	0.0000	0
Pipe	Pipe5EH	5.563	4.813	0	20.8	5.72	1	1.85	1.85	1.85	1	0	0	0	0.0000	0
Pipe	Pipe6EH	6.625	5.761	0	28.6	7.88	1	2.2	2.2	2.2	1	0	0	0	0.0000	0
Pipe	Pipe8EHS	8.625	8	0	35.78	9.86	1	2.96	2.96	2.96	1	0	0	0	0.0000	0
Pipe	Pipe3.5EH	4	3.364	0	12.5	3.44	1	1.31	1.31	1.31	1	0	0	0	0.0000	0
Pipe	Pipe6EHS	6.625	5.96	0	24.38	6.71	1	2.22	2.22	2.22	1	0	0	0	0.0000	0
Pipe	P3-437	3.5	2.626	0	15	4.2	1	1.09	1.09	1.09	1	0	0	0	0.0000	0
Pipe	P4-494	4.5	3.512	0	21.4	6.21	1	1.42	1.42	1.42	1	0	0	0	0.0000	0
Pipe	P6-562	6.625	5.5	0	36.6	10.7	1	2.15	2.15	2.15	1	0	0	0	0.0000	0
Pipe	Pipe8XS	8.625	7.625	0	43.39	12.8	1	2.88	2.88	2.88	1	0	0	0	0.0000	0
Pipe	Pipe10XS	10.75	9.75	0	54.74	16.1	1	3.63	3.63	3.63	1	0	0	0	0.0000	0
Pipe	P3-425	3.5	2.65	0	15	4.105	1	1.097	1.097	1.097	1	0	0	0	0.0000	0
EXP-1	MOD-P8STD	8.625	7.625	0	41.59	12.22	1	2.87	2.87	2.87	1	0	0	0	0.0000	0
EXP-2	MOD-P6SCH80	6.63	5.761	0	34.72	10.2	1	2.14	2.14	2.14	1	0	0	0	0.0000	0
EXP-3	MOD-P6STD	6.63	6.065	0	28.49	8.373	1	2.155	2.155	2.155	1	0	0	0	0.0000	0
EXP-4	MOD-P5SCH80	5.563	4.813	0	25.67	7.543	1	1.768	1.768	1.768	1	0	0	0	0.0000	0
EXP-5	MOD-P5STD	5.563	5.047	0	19.09	5.822	1	1.804	1.084	1.084	1	0	0	0	0.0000	0
EXP-6	MOD-P4SCH80	4.5	3.826	0	24.11	7.085	1	1.441	1.441	1.441	1	0	0	0	0.0000	0

Angle Groups:

Group Label	Group Description	Angle Type	Angle Size	Material Type	Element Type	Group Type	Optimize Group	Allow. Add. Angle Width For Optimize

								(in)
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	A 36	Truss	Other	None	0.000
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	A 36	Truss	Other	None	0.000
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	A 36	Truss	Other	None	0.000
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	A 36	Truss	Other	None	0.000
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	A572-50	Truss	Other	None	0.000
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	A572-50	Truss	Other	None	0.000
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	A572-50	Truss	Other	None	0.000
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	A572-50	Beam	Leg	None	0.000
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	A572-50	Beam	Leg	None	0.000
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	A572-50	Beam	Leg	None	0.000
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	A572-50	Beam	Leg	None	0.000
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	A572-50	Beam	Leg	None	0.000
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	A572-50	Beam	Leg	None	0.000
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	A572-50	Beam	Leg	None	0.000
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	A572-50	Beam	Leg	None	0.000
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	A 36	Beam	Other	None	0.000
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	A 36	Truss	Other	None	0.000
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	A 36	Truss	Other	None	0.000
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	A 36	Truss	Other	None	0.000
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	A 36	Truss	Other	None	0.000
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	A 36	Truss	Other	None	0.000
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	A 36	Truss	Other	None	0.000
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	A 36	Truss	Other	None	0.000
SNB-L1	SNB Leg 1	Pipe	P3-437	A 36	Beam	Leg	None	0.000
SNB-L2	SNB Leg 2	Pipe	P4-494	A 36	Beam	Leg	None	0.000
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	A 36	Beam	Leg	None	0.000
SNB-L4	SNB Leg 4	Pipe	P6-562	A 36	Beam	Leg	None	0.000
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	A 36	Beam	Leg	None	0.000
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	A 36	Beam	Leg	None	0.000
Connect	Connect Towers	BIG	0.1X0.1X1	A 36		Other	None	0.000
SNB-H1	SNB Horizontal 1	Pipe	P3-425	A 36	Beam	Other	None	0.000
SNB-H2	SNB Horizontal 2	Pipe	P4-494	A 36	Beam	Other	None	0.000
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	A 36	Truss	Other	None	0.000
WLAC-1	Wind Lacing 1	SAE	2X2X0.25	A 36	Truss	Redundant	None	0.000
WLAC-2	Wind Lacing 2	SAE	2.5X2.5X0.3125	A 36	Truss	Redundant	None	0.000
Rohn-D3a	Rohn Diagonal 3a	SAE	2.5X2.5X0.25	A 36	Truss	Other	None	0.000
Rohn-D4a	Rohn Diagonal 4a	SAE	2.5X2.5X0.3125	A 36	Truss	Other	None	0.000
Rohn-L8a	Rohn Leg 8a	EXP-1	MOD-P8STD	A572-50	Beam	Leg	None	0.000
Rohn-L7a	Rohn Leg 7a	EXP-2	MOD-P6SCH80	A572-50	Beam	Leg	None	0.000
Rohn-L6a	Rohn Leg 6a	EXP-3	MOD-P6STD	A572-50	Beam	Leg	None	0.000
Rohn-L5a	Rohn Leg 5a	EXP-4	MOD-P5SCH80	A572-50	Beam	Leg	None	0.000
Rohn-L4a	Rohn Leg 4a	EXP-5	MOD-P5STD	A572-50	Beam	Leg	None	0.000
Rohn-D4b	Rohn Diagonal 4b	SAE	2.5X2.5X0.375	A572-50	Truss	Other	None	0.000
Rohn-D3b	Rohn Diagonal 3b	SAE	2.5X2.5X0.3125	A572-50	Truss	Other	None	0.000
Rohn-L3a	Rohn Leg 3a	EXP-6	MOD-P4SCH80	A572-50	Beam	Leg	None	0.000
Rohn-D2a	Rohn Diagonal 2a	SAE	2X2X0.25	A 36	Truss	Other	None	0.000

Aggregate Angle Information:

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

Angle Type	Angle Size	Material Type	Total Length (ft)	Total Surface Area (ft^2)	Total Weight (lbs)
SAE	1.75X1.75X0.1875	A 36	279.43	163.00	592.39
SAE	2X2X0.1875	A 36	191.38	127.59	466.96
SAE	2X2X0.375	A 36	67.43	44.95	316.92
SAE	2.5X2.5X0.1875	A 36	74.41	62.01	228.45
SAE	2.5X2.5X0.25	A 36	155.85	129.87	638.98
SAE	2.5X2.5X0.3125	A 36	722.12	601.77	3610.61
SAE	3X3X0.25	A572-50	273.29	273.29	1339.11

SAE	3.5X3.5X0.25	A572-50	446.54	520.96	2589.91
SAE	4X4X0.25	A572-50	502.96	670.61	3319.52
Pipe	Pipe3EH	A572-50	60.05	64.05	618.48
Pipe	Pipe3.5EH	A572-50	60.05	73.70	750.58
Pipe	Pipe4EH	A572-50	60.05	83.32	900.69
EXP-5	MOD-P5STD	A572-50	60.05	106.18	1146.28
EXP-4	MOD-P5SCH80	A572-50	60.05	103.84	1541.21
EXP-3	MOD-P6STD	A572-50	60.05	127.05	1711.00
EXP-2	MOD-P6SCH80	A572-50	120.09	248.01	4170.19
EXP-1	MOD-P8STD	A572-50	60.05	162.63	2497.45
SAE	2X2X0.3125	A 36	165.23	110.15	647.69
SAE	2X2X0.25	A 36	225.69	150.46	719.94
SAE	3X3X0.5	A 36	219.00	219.00	2058.63
SAE	4X4X0.5	A 36	183.26	244.34	2345.69
SAE	4X4X0.625	A 36	404.95	539.94	6357.75
SAE	5X5X0.625	A 36	222.64	371.07	4452.86
Pipe	P3-437	A 36	60.05	61.31	900.70
Pipe	P4-494	A 36	303.38	405.11	6492.26
Pipe	Pipe5EH	A 36	60.05	103.84	1248.96
Pipe	P6-562	A 36	120.09	242.69	4395.40
Pipe	Pipe8XS	A 36	120.09	325.25	5210.82
Pipe	Pipe10XS	A 36	60.05	205.16	3286.94
BIG	0.1X0.1X1	A 36	150.03	5.00	0.00
Pipe	P3-425	A 36	73.04	74.87	1095.63

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

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

Angle Member Connectivity:

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

Rohn-DA52	Rohn-D1	Tri-Gen 2	RohnAb2	RohnAcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA6P	Rohn-D1	Tri-Symmetry	RohnAbS	RohnAc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA61	Rohn-D1	Tri-Gen 1	RohnAb1	RohnAcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA62	Rohn-D1	Tri-Gen 2	RohnAb2	RohnAc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA7P	Rohn-D1	Tri-Symmetry	RohnAcS	RohnB2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA71	Rohn-D1	Tri-Gen 1	RohnAc1	RohnBP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA72	Rohn-D1	Tri-Gen 2	RohnAc2	RohnB1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA8P	Rohn-D1	Tri-Symmetry	RohnAcS	RohnB1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA81	Rohn-D1	Tri-Gen 1	RohnAc1	RohnB2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DA82	Rohn-D1	Tri-Gen 2	RohnAc2	RohnBP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB1P	Rohn-D2	Tri-Symmetry	RohnBP	RohnBa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB11	Rohn-D2	Tri-Gen 1	RohnB1	RohnBa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB12	Rohn-D2	Tri-Gen 2	RohnB2	RohnBaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB2P	Rohn-D2	Tri-Symmetry	RohnBP	RohnBa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB21	Rohn-D2	Tri-Gen 1	RohnB1	RohnBaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB22	Rohn-D2	Tri-Gen 2	RohnB2	RohnBa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB3P	Rohn-D2	Tri-Symmetry	RohnBaS	RohnBb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB31	Rohn-D2	Tri-Gen 1	RohnBa1	RohnBb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB32	Rohn-D2	Tri-Gen 2	RohnBa2	RohnBbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB4P	Rohn-D2	Tri-Symmetry	RohnBaS	RohnBb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB41	Rohn-D2	Tri-Gen 1	RohnBa1	RohnBbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB42	Rohn-D2	Tri-Gen 2	RohnBa2	RohnBb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB5P	Rohn-D2	Tri-Symmetry	RohnBbS	RohnBc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB51	Rohn-D2	Tri-Gen 1	RohnBb1	RohnBc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB52	Rohn-D2	Tri-Gen 2	RohnBb2	RohnBcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB6P	Rohn-D2	Tri-Symmetry	RohnBbS	RohnBc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB61	Rohn-D2	Tri-Gen 1	RohnBb1	RohnBcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB62	Rohn-D2	Tri-Gen 2	RohnBb2	RohnBc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB7P	Rohn-D8	Tri-Symmetry	RohnBcS	RohnC1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB71	Rohn-D8	Tri-Gen 1	RohnBc1	RohnC2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB72	Rohn-D8	Tri-Gen 2	RohnBc2	RohnCP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB8P	Rohn-D8	Tri-Symmetry	RohnBcS	RohnC2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB81	Rohn-D8	Tri-Gen 1	RohnBc1	RohnCP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DB82	Rohn-D8	Tri-Gen 2	RohnBc2	RohnC1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC1P	Rohn-D3	Tri-Symmetry	RohnCP	RohnCa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC11	Rohn-D3	Tri-Gen 1	RohnC1	RohnCa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC12	Rohn-D3	Tri-Gen 2	RohnC2	RohnCaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC2P	Rohn-D3	Tri-Symmetry	RohnCP	RohnCa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC21	Rohn-D3	Tri-Gen 1	RohnC1	RohnCaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC22	Rohn-D3	Tri-Gen 2	RohnC2	RohnCa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC3P	Rohn-D3a	Tri-Symmetry	RohnCaS	RohnCb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC31	Rohn-D3a	Tri-Gen 1	RohnCa1	RohnCb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC32	Rohn-D3a	Tri-Gen 2	RohnCa2	RohnCbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC4P	Rohn-D3a	Tri-Symmetry	RohnCaS	RohnCb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC41	Rohn-D3a	Tri-Gen 1	RohnCa1	RohnCbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC42	Rohn-D3a	Tri-Gen 2	RohnCa2	RohnCb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC5P	Rohn-D3a	Tri-Symmetry	RohnCbS	RohnD1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC51	Rohn-D3a	Tri-Gen 1	RohnCb1	RohnD2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC52	Rohn-D3a	Tri-Gen 2	RohnCb2	RohnDP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC6P	Rohn-D3a	Tri-Symmetry	RohnCbS	RohnD2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC61	Rohn-D3a	Tri-Gen 1	RohnCb1	RohnDP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DC62	Rohn-D3a	Tri-Gen 2	RohnCb2	RohnD1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD1P	Rohn-D4a	Tri-Symmetry	RohnDP	RohnDa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD11	Rohn-D4a	Tri-Gen 1	RohnD1	RohnDa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD12	Rohn-D4a	Tri-Gen 2	RohnD2	RohnDaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD2P	Rohn-D4a	Tri-Symmetry	RohnDP	RohnDa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD21	Rohn-D4a	Tri-Gen 1	RohnD1	RohnDaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD22	Rohn-D4a	Tri-Gen 2	RohnD2	RohnDa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD3P	Rohn-D4a	Tri-Symmetry	RohnDaS	RohnDb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD31	Rohn-D4a	Tri-Gen 1	RohnDa1	RohnDb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD32	Rohn-D4a	Tri-Gen 2	RohnDa2	RohnDbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD4P	Rohn-D4a	Tri-Symmetry	RohnDaS	RohnDb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD41	Rohn-D4a	Tri-Gen 1	RohnDa1	RohnDbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD42	Rohn-D4a	Tri-Gen 2	RohnDa2	RohnDb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD5P	Rohn-D4a	Tri-Symmetry	RohnDbS	RohnE1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD51	Rohn-D4a	Tri-Gen 1	RohnDb1	RohnE2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0

Rohn-DD52	Rohn-D4a	Tri-Gen 2	RohnDb2	RohnEP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD6P	Rohn-D4a	Tri-Symmetry	RohnDbS	RohnE2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD61	Rohn-D4a	Tri-Gen 1	RohnDb1	RohnEP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DD62	Rohn-D4a	Tri-Gen 2	RohnDb2	RohnE1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE1P	Rohn-D5	Tri-Symmetry	RohnEP	RohnEa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE11	Rohn-D5	Tri-Gen 1	RohnE1	RohnEa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE12	Rohn-D5	Tri-Gen 2	RohnE2	RohnEaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE2P	Rohn-D5	Tri-Symmetry	RohnEP	RohnEa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE21	Rohn-D5	Tri-Gen 1	RohnE1	RohnEaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE22	Rohn-D5	Tri-Gen 2	RohnE2	RohnEa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE3P	Rohn-D5	Tri-Symmetry	RohnEaS	RohnEb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE31	Rohn-D5	Tri-Gen 1	RohnEa1	RohnEb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE32	Rohn-D5	Tri-Gen 2	RohnEa2	RohnEbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE4P	Rohn-D5	Tri-Symmetry	RohnEaS	RohnEb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE41	Rohn-D5	Tri-Gen 1	RohnEa1	RohnEbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE42	Rohn-D5	Tri-Gen 2	RohnEa2	RohnEb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE5P	Rohn-D5	Tri-Symmetry	RohnEbS	RohnF1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE51	Rohn-D5	Tri-Gen 1	RohnEb1	RohnF2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE52	Rohn-D5	Tri-Gen 2	RohnEb2	RohnFP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE6P	Rohn-D5	Tri-Symmetry	RohnEbS	RohnF2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE61	Rohn-D5	Tri-Gen 1	RohnEb1	RohnFP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DE62	Rohn-D5	Tri-Gen 2	RohnEb2	RohnF1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF1P	Rohn-D6	Tri-Symmetry	RohnFP	RohnFa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF11	Rohn-D6	Tri-Gen 1	RohnF1	RohnFa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF12	Rohn-D6	Tri-Gen 2	RohnF2	RohnFaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF2P	Rohn-D6	Tri-Symmetry	RohnFP	RohnFa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF21	Rohn-D6	Tri-Gen 1	RohnF1	RohnFaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF22	Rohn-D6	Tri-Gen 2	RohnF2	RohnFa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF3P	Rohn-D6	Tri-Symmetry	RohnFaS	RohnG1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF31	Rohn-D6	Tri-Gen 1	RohnFa1	RohnG2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF32	Rohn-D6	Tri-Gen 2	RohnFa2	RohnGP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF4P	Rohn-D6	Tri-Symmetry	RohnFaS	RohnG2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF41	Rohn-D6	Tri-Gen 1	RohnFa1	RohnGP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DF42	Rohn-D6	Tri-Gen 2	RohnFa2	RohnG1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG1P	Rohn-D6	Tri-Symmetry	RohnGP	RohnGa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG11	Rohn-D6	Tri-Gen 1	RohnG1	RohnGa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG12	Rohn-D6	Tri-Gen 2	RohnG2	RohnGaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG2P	Rohn-D6	Tri-Symmetry	RohnGP	RohnGa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG21	Rohn-D6	Tri-Gen 1	RohnG1	RohnGaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG22	Rohn-D6	Tri-Gen 2	RohnG2	RohnGa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG3P	Rohn-D6	Tri-Symmetry	RohnGaS	RohnH1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG31	Rohn-D6	Tri-Gen 1	RohnGa1	RohnH2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG32	Rohn-D6	Tri-Gen 2	RohnGa2	RohnHP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG4P	Rohn-D6	Tri-Symmetry	RohnGaS	RohnH2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG41	Rohn-D6	Tri-Gen 1	RohnGa1	RohnHP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DG42	Rohn-D6	Tri-Gen 2	RohnGa2	RohnH1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH1P	Rohn-D7	Tri-Symmetry	RohnHP	RohnHa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH11	Rohn-D7	Tri-Gen 1	RohnH1	RohnHa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH12	Rohn-D7	Tri-Gen 2	RohnH2	RohnHaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH2P	Rohn-D7	Tri-Symmetry	RohnHP	RohnHa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH21	Rohn-D7	Tri-Gen 1	RohnH1	RohnHaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH22	Rohn-D7	Tri-Gen 2	RohnH2	RohnHa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH3P	Rohn-D7	Tri-Symmetry	RohnHaS	RohnI1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH31	Rohn-D7	Tri-Gen 1	RohnHa1	RohnI2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH32	Rohn-D7	Tri-Gen 2	RohnHa2	RohnIP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH4P	Rohn-D7	Tri-Symmetry	RohnHaS	RohnI2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH41	Rohn-D7	Tri-Gen 1	RohnHa1	RohnIP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DH42	Rohn-D7	Tri-Gen 2	RohnHa2	RohnI1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI1P	Rohn-D7	Tri-Symmetry	RohnIP	RohnIa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI11	Rohn-D7	Tri-Gen 1	RohnI1	RohnIa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI12	Rohn-D7	Tri-Gen 2	RohnI2	RohnIaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI2P	Rohn-D7	Tri-Symmetry	RohnIP	RohnIa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI21	Rohn-D7	Tri-Gen 1	RohnI1	RohnIaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI22	Rohn-D7	Tri-Gen 2	RohnI2	RohnIa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI3P	Rohn-D7	Tri-Symmetry	RohnIaS	RohnJ1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI31	Rohn-D7	Tri-Gen 1	RohnIa1	RohnJ2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0

Rohn-DI32	Rohn-D7	Tri-Gen 2	RohnIa2	RohnJP	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI4P	Rohn-D7	Tri-Symmetry	RohnIaS	RohnJ2	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI41	Rohn-D7	Tri-Gen 1	RohnIa1	RohnJP	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-DI42	Rohn-D7	Tri-Gen 2	RohnIa2	RohnJ1	1	4	0.5	0.5	0.5	5/8 A325-N	1	1	1	Long only	0	0	0	0	0
Rohn-LA1P	Rohn-L1	Tri-Symmetry	RohnAP	RohnAaS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA11	Rohn-L1	Tri-Gen 1	RohnA1	RohnAa1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA12	Rohn-L1	Tri-Gen 2	RohnA2	RohnAa2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA2P	Rohn-L1	Tri-Symmetry	RohnAaS	RohnAbS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA21	Rohn-L1	Tri-Gen 1	RohnAa1	RohnAb1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA22	Rohn-L1	Tri-Gen 2	RohnAa2	RohnAb2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA3P	Rohn-L1	Tri-Symmetry	RohnAbS	RohnAcS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA31	Rohn-L1	Tri-Gen 1	RohnAb1	RohnAc1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA32	Rohn-L1	Tri-Gen 2	RohnAb2	RohnAc2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA4P	Rohn-L1	Tri-Symmetry	RohnAcS	RohnBP	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA41	Rohn-L1	Tri-Gen 1	RohnAc1	RohnB1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LA42	Rohn-L1	Tri-Gen 2	RohnAc2	RohnB2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB1P	Rohn-L2	Tri-Symmetry	RohnBP	RohnBaS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB11	Rohn-L2	Tri-Gen 1	RohnB1	RohnBa1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB12	Rohn-L2	Tri-Gen 2	RohnB2	RohnBa2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB2P	Rohn-L2	Tri-Symmetry	RohnBaS	RohnBbS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB21	Rohn-L2	Tri-Gen 1	RohnBa1	RohnBb1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB22	Rohn-L2	Tri-Gen 2	RohnBa2	RohnBb2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB3P	Rohn-L2	Tri-Symmetry	RohnBbS	RohnBcS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB31	Rohn-L2	Tri-Gen 1	RohnBb1	RohnBc1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB32	Rohn-L2	Tri-Gen 2	RohnBb2	RohnBc2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB4P	Rohn-L2	Tri-Symmetry	RohnBcS	RohnCP	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB41	Rohn-L2	Tri-Gen 1	RohnBc1	RohnC1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LB42	Rohn-L2	Tri-Gen 2	RohnBc2	RohnC2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LC1P	Rohn-L3	Tri-Symmetry	RohnCP	RohnCaS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LC11	Rohn-L3	Tri-Gen 1	RohnC1	RohnCa1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LC12	Rohn-L3	Tri-Gen 2	RohnC2	RohnCa2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LC2P	Rohn-L3	Tri-Symmetry	RohnCaS	RohnCbS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LC21	Rohn-L3	Tri-Gen 1	RohnCa1	RohnCb1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LC22	Rohn-L3	Tri-Gen 2	RohnCa2	RohnCb2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LC3P	Rohn-L3	Tri-Symmetry	RohnCbS	RohnDP	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LC31	Rohn-L3	Tri-Gen 1	RohnCb1	RohnD1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LC32	Rohn-L3	Tri-Gen 2	RohnCb2	RohnD2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LD1P	Rohn-L4a	Tri-Symmetry	RohnDP	RohnDaS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LD11	Rohn-L4a	Tri-Gen 1	RohnD1	RohnDa1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LD12	Rohn-L4a	Tri-Gen 2	RohnD2	RohnDa2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LD2P	Rohn-L4a	Tri-Symmetry	RohnDaS	RohnDbS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LD21	Rohn-L4a	Tri-Gen 1	RohnDa1	RohnDb1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LD22	Rohn-L4a	Tri-Gen 2	RohnDa2	RohnDb2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LD3P	Rohn-L4a	Tri-Symmetry	RohnDbS	RohnEP	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LD31	Rohn-L4a	Tri-Gen 1	RohnDb1	RohnE1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LD32	Rohn-L4a	Tri-Gen 2	RohnDb2	RohnE2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LE1P	Rohn-L5a	Tri-Symmetry	RohnEP	RohnEaS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LE11	Rohn-L5a	Tri-Gen 1	RohnE1	RohnEa1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LE12	Rohn-L5a	Tri-Gen 2	RohnE2	RohnEa2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LE2P	Rohn-L5a	Tri-Symmetry	RohnEaS	RohnEbS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LE21	Rohn-L5a	Tri-Gen 1	RohnEa1	RohnEb1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LE22	Rohn-L5a	Tri-Gen 2	RohnEa2	RohnEb2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LE3P	Rohn-L5a	Tri-Symmetry	RohnEbS	RohnFP	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LE31	Rohn-L5a	Tri-Gen 1	RohnEb1	RohnF1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LE32	Rohn-L5a	Tri-Gen 2	RohnEb2	RohnF2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LF1P	Rohn-L6a	Tri-Symmetry	RohnFP	RohnFaS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LF11	Rohn-L6a	Tri-Gen 1	RohnF1	RohnFa1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LF12	Rohn-L6a	Tri-Gen 2	RohnF2	RohnFa2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LF2P	Rohn-L6a	Tri-Symmetry	RohnFaS	RohnGP	1	4	0.5	0.5	0.5		0	0	0		0	0	0	0	0
Rohn-LF21	Rohn-L6a	Tri-Gen 1	RohnFa1	RohnG1	1	4	0.5	0.5	0.5		0	0	0		0	0	0	0	0
Rohn-LF22	Rohn-L6a	Tri-Gen 2	RohnFa2	RohnG2	1	4	0.5	0.5	0.5		0	0	0		0	0	0	0	0
Rohn-LG1P	Rohn-L7a	Tri-Symmetry	RohnGP	RohnGaS	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LG11	Rohn-L7a	Tri-Gen 1	RohnG1	RohnGa1	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LG12	Rohn-L7a	Tri-Gen 2	RohnG2	RohnGa2	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LG2P	Rohn-L7a	Tri-Symmetry	RohnGaS	RohnHP	1	4	1	1	1		0	0	0		0	0	0	0	0
Rohn-LG21	Rohn-L7a	Tri-Gen 1	RohnGa1	RohnH1	1	4	1	1	1		0	0	0		0	0	0	0	0

Rohn-LG22	Rohn-L7a	Tri-Gen 2	RohnGa2	RohnH2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LH1P	Rohn-L7a	Tri-Symmetry	RohnHP	RohnHaS	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LH11	Rohn-L7a	Tri-Gen 1	RohnH1	RohnHa1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LH12	Rohn-L7a	Tri-Gen 2	RohnH2	RohnHa2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LH2P	Rohn-L7a	Tri-Symmetry	RohnHaS	RohnIP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LH21	Rohn-L7a	Tri-Gen 1	RohnHa1	RohnI1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LH22	Rohn-L7a	Tri-Gen 2	RohnHa2	RohnI2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LI1P	Rohn-L8a	Tri-Symmetry	RohnIP	RohnIaS	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI11	Rohn-L8a	Tri-Gen 1	RohnI1	RohnIa1	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI12	Rohn-L8a	Tri-Gen 2	RohnI2	RohnIa2	1	4	1	1	1			0	0	0		0	0	0	0	0
Rohn-LI2P	Rohn-L8a	Tri-Symmetry	RohnIaS	RohnJP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LI21	Rohn-L8a	Tri-Gen 1	RohnIa1	RohnJ1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-LI22	Rohn-L8a	Tri-Gen 2	RohnIa2	RohnJ2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H1P	Rohn-H1	Tri-Symmetry	RohnAP	RohnA1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H11	Rohn-H1	Tri-Gen 1	RohnA1	RohnA2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H12	Rohn-H1	Tri-Gen 2	RohnA2	RohnAP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H2P	Rohn-H1	Tri-Symmetry	RohnBP	RohnB1	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H21	Rohn-H1	Tri-Gen 1	RohnB1	RohnB2	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
Rohn-H22	Rohn-H1	Tri-Gen 2	RohnB2	RohnBP	1	4	0.5	0.5	0.5			0	0	0		0	0	0	0	0
SNB-DA1P	SNB-D1	Tri-Symmetry	SNB-AP	SNB-Aa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA11	SNB-D1	Tri-Gen 1	SNB-A1	SNB-Aa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA12	SNB-D1	Tri-Gen 2	SNB-A2	SNB-AaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA2P	SNB-D1	Tri-Symmetry	SNB-AP	SNB-Aa2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA21	SNB-D1	Tri-Gen 1	SNB-A1	SNB-AaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA22	SNB-D1	Tri-Gen 2	SNB-A2	SNB-Aa1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA3P	SNB-D1	Tri-Symmetry	SNB-AaS	SNB-Ab1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA31	SNB-D1	Tri-Gen 1	SNB-Aa1	SNB-Ab2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA32	SNB-D1	Tri-Gen 2	SNB-Aa2	SNB-AbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA4P	SNB-D1	Tri-Symmetry	SNB-AaS	SNB-Ab2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA41	SNB-D1	Tri-Gen 1	SNB-Aa1	SNB-AbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA42	SNB-D1	Tri-Gen 2	SNB-Aa2	SNB-Ab1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA5P	SNB-D1	Tri-Symmetry	SNB-AbS	SNB-Ac1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA51	SNB-D1	Tri-Gen 1	SNB-Ab1	SNB-Ac2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA52	SNB-D1	Tri-Gen 2	SNB-Ab2	SNB-AcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA6P	SNB-D1	Tri-Symmetry	SNB-AbS	SNB-Ac2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA61	SNB-D1	Tri-Gen 1	SNB-Ab1	SNB-AcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA62	SNB-D1	Tri-Gen 2	SNB-Ab2	SNB-Ac1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA7P	SNB-D1	Tri-Symmetry	SNB-AcS	SNB-B1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA71	SNB-D1	Tri-Gen 1	SNB-Ac1	SNB-B2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA72	SNB-D1	Tri-Gen 2	SNB-Ac2	SNB-BP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA8P	SNB-D1	Tri-Symmetry	SNB-AcS	SNB-B2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA81	SNB-D1	Tri-Gen 1	SNB-Ac1	SNB-BP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DA82	SNB-D1	Tri-Gen 2	SNB-Ac2	SNB-B1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB1P	SNB-D2	Tri-Symmetry	SNB-BP	SNB-Ba1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB11	SNB-D2	Tri-Gen 1	SNB-B1	SNB-Ba2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB12	SNB-D2	Tri-Gen 2	SNB-B2	SNB-BaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB2P	SNB-D2	Tri-Symmetry	SNB-BP	SNB-Ba2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB21	SNB-D2	Tri-Gen 1	SNB-B1	SNB-BaS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB22	SNB-D2	Tri-Gen 2	SNB-B2	SNB-Ba1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB3P	SNB-D2	Tri-Symmetry	SNB-BaS	SNB-Bb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB31	SNB-D2	Tri-Gen 1	SNB-Ba1	SNB-Bb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB32	SNB-D2	Tri-Gen 2	SNB-Ba2	SNB-BbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB4P	SNB-D2	Tri-Symmetry	SNB-BaS	SNB-Bb2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB41	SNB-D2	Tri-Gen 1	SNB-Ba1	SNB-BbS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB42	SNB-D2	Tri-Gen 2	SNB-Ba2	SNB-Bb1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB5P	SNB-D2	Tri-Symmetry	SNB-BbS	SNB-Bc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB51	SNB-D2	Tri-Gen 1	SNB-Bb1	SNB-Bc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB52	SNB-D2	Tri-Gen 2	SNB-Bb2	SNB-BcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB6P	SNB-D2	Tri-Symmetry	SNB-BbS	SNB-Bc2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB61	SNB-D2	Tri-Gen 1	SNB-Bb1	SNB-BcS	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB62	SNB-D2	Tri-Gen 2	SNB-Bb2	SNB-Bc1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB7P	SNB-D2	Tri-Symmetry	SNB-BcS	SNB-C1	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB71	SNB-D2	Tri-Gen 1	SNB-Bc1	SNB-C2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB72	SNB-D2	Tri-Gen 2	SNB-Bc2	SNB-CP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB8P	SNB-D2	Tri-Symmetry	SNB-BcS	SNB-C2	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DB81	SNB-D2	Tri-Gen 1	SNB-Bc1	SNB-CP	1	4	0.5	0.5	0.5	5/8	A325-N	1	1	1	Long only	0	0	0	0	0

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

SNB-DF42	SNB-D5	Tri-Gen 2	SNB-Fa2	SNB-G1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG1P	SNB-D6	Tri-Symmetry	SNB-GP	SNB-Ga1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG11	SNB-D6	Tri-Gen 1	SNB-G1	SNB-Ga2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG12	SNB-D6	Tri-Gen 2	SNB-G2	SNB-GaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG2P	SNB-D6	Tri-Symmetry	SNB-GP	SNB-Ga2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG21	SNB-D6	Tri-Gen 1	SNB-G1	SNB-GaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG22	SNB-D6	Tri-Gen 2	SNB-G2	SNB-Ga1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG3P	SNB-D6	Tri-Symmetry	SNB-GaS	SNB-H1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG31	SNB-D6	Tri-Gen 1	SNB-Ga1	SNB-H2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG32	SNB-D6	Tri-Gen 2	SNB-Ga2	SNB-HP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG4P	SNB-D6	Tri-Symmetry	SNB-GaS	SNB-H2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG41	SNB-D6	Tri-Gen 1	SNB-Ga1	SNB-HP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DG42	SNB-D6	Tri-Gen 2	SNB-Ga2	SNB-H1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH1P	SNB-D6	Tri-Symmetry	SNB-HP	SNB-Ha1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH11	SNB-D6	Tri-Gen 1	SNB-H1	SNB-Ha2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH12	SNB-D6	Tri-Gen 2	SNB-H2	SNB-HaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH2P	SNB-D6	Tri-Symmetry	SNB-HP	SNB-Ha2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH21	SNB-D6	Tri-Gen 1	SNB-H1	SNB-HaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH22	SNB-D6	Tri-Gen 2	SNB-H2	SNB-Ha1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH3P	SNB-D6	Tri-Symmetry	SNB-HaS	SNB-I1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH31	SNB-D6	Tri-Gen 1	SNB-Ha1	SNB-I2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH32	SNB-D6	Tri-Gen 2	SNB-Ha2	SNB-IP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH4P	SNB-D6	Tri-Symmetry	SNB-HaS	SNB-I2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH41	SNB-D6	Tri-Gen 1	SNB-Ha1	SNB-IP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DH42	SNB-D6	Tri-Gen 2	SNB-Ha2	SNB-I1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI1P	SNB-D7	Tri-Symmetry	SNB-IP	SNB-Ia1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI11	SNB-D7	Tri-Gen 1	SNB-I1	SNB-Ia2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI12	SNB-D7	Tri-Gen 2	SNB-I2	SNB-IaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI2P	SNB-D7	Tri-Symmetry	SNB-IP	SNB-Ia2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI21	SNB-D7	Tri-Gen 1	SNB-I1	SNB-IaS	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI22	SNB-D7	Tri-Gen 2	SNB-I2	SNB-Ia1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI3P	SNB-D7	Tri-Symmetry	SNB-IaS	SNB-J1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI31	SNB-D7	Tri-Gen 1	SNB-Ia1	SNB-J2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI32	SNB-D7	Tri-Gen 2	SNB-Ia2	SNB-JP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI4P	SNB-D7	Tri-Symmetry	SNB-IaS	SNB-J2	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI41	SNB-D7	Tri-Gen 1	SNB-Ia1	SNB-JP	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-DI42	SNB-D7	Tri-Gen 2	SNB-Ia2	SNB-J1	1	4	0.5	0.5	0.5	3/4	A325-N	1	1	1	Long only	0	0	0	0	0
SNB-LA1P	SNB-L1	Tri-Symmetry	SNB-AP	SNB-AaS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA11	SNB-L1	Tri-Gen 1	SNB-A1	SNB-Aa1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA12	SNB-L1	Tri-Gen 2	SNB-A2	SNB-Aa2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA2P	SNB-L1	Tri-Symmetry	SNB-AaS	SNB-AbS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA21	SNB-L1	Tri-Gen 1	SNB-Aa1	SNB-Ab1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA22	SNB-L1	Tri-Gen 2	SNB-Aa2	SNB-Ab2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA3P	SNB-L1	Tri-Symmetry	SNB-AbS	SNB-AcS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA31	SNB-L1	Tri-Gen 1	SNB-Ab1	SNB-Ac1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA32	SNB-L1	Tri-Gen 2	SNB-Ab2	SNB-Ac2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA4P	SNB-L1	Tri-Symmetry	SNB-AcS	SNB-BP	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA41	SNB-L1	Tri-Gen 1	SNB-Ac1	SNB-B1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LA42	SNB-L1	Tri-Gen 2	SNB-Ac2	SNB-B2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB1P	SNB-L2	Tri-Symmetry	SNB-BP	SNB-BaS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB11	SNB-L2	Tri-Gen 1	SNB-B1	SNB-Ba1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB12	SNB-L2	Tri-Gen 2	SNB-B2	SNB-Ba2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB2P	SNB-L2	Tri-Symmetry	SNB-BaS	SNB-BbS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB21	SNB-L2	Tri-Gen 1	SNB-Ba1	SNB-Bb1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB22	SNB-L2	Tri-Gen 2	SNB-Ba2	SNB-Bb2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB3P	SNB-L2	Tri-Symmetry	SNB-BbS	SNB-BcS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB31	SNB-L2	Tri-Gen 1	SNB-Bb1	SNB-Bc1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB32	SNB-L2	Tri-Gen 2	SNB-Bb2	SNB-Bc2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB4P	SNB-L2	Tri-Symmetry	SNB-BcS	SNB-CP	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB41	SNB-L2	Tri-Gen 1	SNB-Bc1	SNB-C1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LB42	SNB-L2	Tri-Gen 2	SNB-Bc2	SNB-C2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC1P	SNB-L2	Tri-Symmetry	SNB-CP	SNB-CaS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC11	SNB-L2	Tri-Gen 1	SNB-C1	SNB-Ca1	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC12	SNB-L2	Tri-Gen 2	SNB-C2	SNB-Ca2	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC2P	SNB-L2	Tri-Symmetry	SNB-CaS	SNB-CbS	1	4	1	1	1			0	0	0		0	0	0	0	0
SNB-LC21	SNB-L2	Tri-Gen 1	SNB-Ca1	SNB-Cb1	1	4	1	1	1			0	0	0		0	0	0	0	0

SNB-LC22	SNB-L2	Tri-Gen 2	SNB-Ca2	SNB-Cb2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LC3P	SNB-L2	Tri-Symmetry	SNB-CbS	SNB-DP	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LC31	SNB-L2	Tri-Gen 1	SNB-Cb1	SNB-D1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LC32	SNB-L2	Tri-Gen 2	SNB-Cb2	SNB-D2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LD1P	SNB-L3	Tri-Symmetry	SNB-DP	SNB-DaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LD11	SNB-L3	Tri-Gen 1	SNB-D1	SNB-Da1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LD12	SNB-L3	Tri-Gen 2	SNB-D2	SNB-Da2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LD2P	SNB-L3	Tri-Symmetry	SNB-DaS	SNB-DbS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LD21	SNB-L3	Tri-Gen 1	SNB-Da1	SNB-Db1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LD22	SNB-L3	Tri-Gen 2	SNB-Da2	SNB-Db2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LD3P	SNB-L3	Tri-Symmetry	SNB-DbS	SNB-EP	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LD31	SNB-L3	Tri-Gen 1	SNB-Db1	SNB-E1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LD32	SNB-L3	Tri-Gen 2	SNB-Db2	SNB-E2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LE1P	SNB-L4	Tri-Symmetry	SNB-EP	SNB-EaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LE11	SNB-L4	Tri-Gen 1	SNB-E1	SNB-Ea1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LE12	SNB-L4	Tri-Gen 2	SNB-E2	SNB-Ea2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LE2P	SNB-L4	Tri-Symmetry	SNB-EaS	SNB-EbS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LE21	SNB-L4	Tri-Gen 1	SNB-Ea1	SNB-Eb1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LE22	SNB-L4	Tri-Gen 2	SNB-Ea2	SNB-Eb2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LE3P	SNB-L4	Tri-Symmetry	SNB-EbS	SNB-FP	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LE31	SNB-L4	Tri-Gen 1	SNB-Eb1	SNB-F1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LE32	SNB-L4	Tri-Gen 2	SNB-Eb2	SNB-F2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LF1P	SNB-L4	Tri-Symmetry	SNB-FP	SNB-FaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LF11	SNB-L4	Tri-Gen 1	SNB-F1	SNB-Fa1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LF12	SNB-L4	Tri-Gen 2	SNB-F2	SNB-Fa2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LF2P	SNB-L4	Tri-Symmetry	SNB-FaS	SNB-GP	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LF21	SNB-L4	Tri-Gen 1	SNB-Fa1	SNB-G1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LF22	SNB-L4	Tri-Gen 2	SNB-Fa2	SNB-G2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LG1P	SNB-L5	Tri-Symmetry	SNB-GP	SNB-GaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LG11	SNB-L5	Tri-Gen 1	SNB-G1	SNB-Ga1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LG12	SNB-L5	Tri-Gen 2	SNB-G2	SNB-Ga2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LG2P	SNB-L5	Tri-Symmetry	SNB-GaS	SNB-HP	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LG21	SNB-L5	Tri-Gen 1	SNB-Ga1	SNB-H1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LG22	SNB-L5	Tri-Gen 2	SNB-Ga2	SNB-H2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LH1P	SNB-L5	Tri-Symmetry	SNB-HP	SNB-HaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LH11	SNB-L5	Tri-Gen 1	SNB-H1	SNB-Ha1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LH12	SNB-L5	Tri-Gen 2	SNB-H2	SNB-Ha2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LH2P	SNB-L5	Tri-Symmetry	SNB-HaS	SNB-IP	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LH21	SNB-L5	Tri-Gen 1	SNB-Ha1	SNB-I1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LH22	SNB-L5	Tri-Gen 2	SNB-Ha2	SNB-I2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LI1P	SNB-L6	Tri-Symmetry	SNB-IP	SNB-IaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LI11	SNB-L6	Tri-Gen 1	SNB-I1	SNB-Ia1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LI12	SNB-L6	Tri-Gen 2	SNB-I2	SNB-Ia2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LI2P	SNB-L6	Tri-Symmetry	SNB-IaS	SNB-JP	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LI21	SNB-L6	Tri-Gen 1	SNB-Ia1	SNB-J1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
SNB-LI22	SNB-L6	Tri-Gen 2	SNB-Ia2	SNB-J2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect AP	Connect	Tri-Symmetry	RohnAP	SNB-AP	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect A1	Connect	Tri-Gen 1	RohnA1	SNB-A1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect A2	Connect	Tri-Gen 2	RohnA2	SNB-A2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect AaP	Connect	Tri-Symmetry	RohnAaS	SNB-AaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect Aa1	Connect	Tri-Gen 1	RohnAa1	SNB-Aa1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect Aa2	Connect	Tri-Gen 2	RohnAa2	SNB-Aa2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect AbP	Connect	Tri-Symmetry	RohnAbS	SNB-AbS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect Ab1	Connect	Tri-Gen 1	RohnAb1	SNB-Ab1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect Ab2	Connect	Tri-Gen 2	RohnAb2	SNB-Ab2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect AcP	Connect	Tri-Symmetry	RohnAcS	SNB-AcS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect Ac1	Connect	Tri-Gen 1	RohnAc1	SNB-Ac1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect Ac2	Connect	Tri-Gen 2	RohnAc2	SNB-Ac2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect BP	Connect	Tri-Symmetry	RohnBP	SNB-BP	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect B1	Connect	Tri-Gen 1	RohnB1	SNB-B1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect B2	Connect	Tri-Gen 2	RohnB2	SNB-B2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect BaP	Connect	Tri-Symmetry	RohnBaS	SNB-BaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect Ba1	Connect	Tri-Gen 1	RohnBa1	SNB-Ba1	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect Ba2	Connect	Tri-Gen 2	RohnBa2	SNB-Ba2	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect BbP	Connect	Tri-Symmetry	RohnBbS	SNB-BbS	1	4	1	1	1	0	0	0	0	0	0	0	0	0
Connect Bb1	Connect	Tri-Gen 1	RohnBb1	SNB-Bb1	1	4	1	1	1	0	0	0	0	0	0	0	0	0

Connect Bb2	Connect	Tri-Gen 2	RohnBb2	SNB-Bb2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect BcP	Connect	Tri-Symmetry	RohnBcS	SNB-BcS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Bc1	Connect	Tri-Gen 1	RohnBc1	SNB-Bc1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Bc2	Connect	Tri-Gen 2	RohnBc2	SNB-Bc2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect CP	Connect	Tri-Symmetry	RohnCP	SNB-CP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect C1	Connect	Tri-Gen 1	RohnC1	SNB-C1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect C2	Connect	Tri-Gen 2	RohnC2	SNB-C2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect CaP	Connect	Tri-Symmetry	RohnCaS	SNB-CaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Ca1	Connect	Tri-Gen 1	RohnCa1	SNB-Ca1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Ca2	Connect	Tri-Gen 2	RohnCa2	SNB-Ca2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect CbP	Connect	Tri-Symmetry	RohnCbS	SNB-CbS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Cb1	Connect	Tri-Gen 1	RohnCb1	SNB-Cb1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Cb2	Connect	Tri-Gen 2	RohnCb2	SNB-Cb2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect DP	Connect	Tri-Symmetry	RohnDP	SNB-DP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect D1	Connect	Tri-Gen 1	RohnD1	SNB-D1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect D2	Connect	Tri-Gen 2	RohnD2	SNB-D2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect DaP	Connect	Tri-Symmetry	RohnDaS	SNB-DaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Da1	Connect	Tri-Gen 1	RohnDa1	SNB-Da1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Da2	Connect	Tri-Gen 2	RohnDa2	SNB-Da2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect DbP	Connect	Tri-Symmetry	RohnDbS	SNB-DbS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Db1	Connect	Tri-Gen 1	RohnDb1	SNB-Db1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Db2	Connect	Tri-Gen 2	RohnDb2	SNB-Db2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect EP	Connect	Tri-Symmetry	RohnEP	SNB-EP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect E1	Connect	Tri-Gen 1	RohnE1	SNB-E1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect E2	Connect	Tri-Gen 2	RohnE2	SNB-E2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect EaP	Connect	Tri-Symmetry	RohnEaS	SNB-EaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Ea1	Connect	Tri-Gen 1	RohnEa1	SNB-Ea1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Ea2	Connect	Tri-Gen 2	RohnEa2	SNB-Ea2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect EbP	Connect	Tri-Symmetry	RohnEbS	SNB-EbS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Eb1	Connect	Tri-Gen 1	RohnEb1	SNB-Eb1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Eb2	Connect	Tri-Gen 2	RohnEb2	SNB-Eb2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect FP	Connect	Tri-Symmetry	RohnFP	SNB-FP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect F1	Connect	Tri-Gen 1	RohnF1	SNB-F1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect F2	Connect	Tri-Gen 2	RohnF2	SNB-F2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect FaP	Connect	Tri-Symmetry	RohnFaS	SNB-FaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Fa1	Connect	Tri-Gen 1	RohnFa1	SNB-Fa1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Fa2	Connect	Tri-Gen 2	RohnFa2	SNB-Fa2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect GP	Connect	Tri-Symmetry	RohnGP	SNB-GP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect G1	Connect	Tri-Gen 1	RohnG1	SNB-G1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect G2	Connect	Tri-Gen 2	RohnG2	SNB-G2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect GaP	Connect	Tri-Symmetry	RohnGaS	SNB-GaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Ga1	Connect	Tri-Gen 1	RohnGa1	SNB-Ga1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Ga2	Connect	Tri-Gen 2	RohnGa2	SNB-Ga2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect HP	Connect	Tri-Symmetry	RohnHP	SNB-HP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect H1	Connect	Tri-Gen 1	RohnH1	SNB-H1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect H2	Connect	Tri-Gen 2	RohnH2	SNB-H2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect HaP	Connect	Tri-Symmetry	RohnHaS	SNB-HaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Ha1	Connect	Tri-Gen 1	RohnHa1	SNB-Ha1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Ha2	Connect	Tri-Gen 2	RohnHa2	SNB-Ha2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect IP	Connect	Tri-Symmetry	RohnIP	SNB-IP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect I1	Connect	Tri-Gen 1	RohnI1	SNB-I1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect I2	Connect	Tri-Gen 2	RohnI2	SNB-I2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect IaP	Connect	Tri-Symmetry	RohnIaS	SNB-IaS	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Ia1	Connect	Tri-Gen 1	RohnIa1	SNB-Ia1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
Connect Ia2	Connect	Tri-Gen 2	RohnIa2	SNB-Ia2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H1aP	SNB-H1	None	SNB-AP	SNB-WL-A1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H1bP	SNB-H1	None	SNB-WL-A1S	SNB-A1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H1cP	SNB-H1	None	SNB-A1	SNB-WL-A2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H1dP	SNB-H1	None	SNB-WL-A2S	SNB-A2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H1eP	SNB-H1	None	SNB-A2	SNB-WL-A3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H1fP	SNB-H1	None	SNB-WL-A3S	SNB-AP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H2aP	SNB-H1	None	SNB-BP	SNB-WL-B1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H2bP	SNB-H1	None	SNB-WL-B1S	SNB-B1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H2cP	SNB-H1	None	SNB-B1	SNB-WL-B2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H2dP	SNB-H1	None	SNB-WL-B2S	SNB-B2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H2eP	SNB-H1	None	SNB-B2	SNB-WL-B3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0

SNB-H2fP	SNB-H1	None	SNB-WL-B3S	SNB-BP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H3aP	SNB-H1	None	SNB-CP	SNB-WL-C1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H3bP	SNB-H1	None	SNB-WL-C1S	SNB-C1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H3cP	SNB-H1	None	SNB-C1	SNB-WL-C2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H3dP	SNB-H1	None	SNB-WL-C2S	SNB-C2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H3eP	SNB-H1	None	SNB-C2	SNB-WL-C3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H3fP	SNB-H1	None	SNB-WL-C3S	SNB-CP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H4aP	SNB-H1	None	SNB-DP	SNB-WL-D1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H4bP	SNB-H1	None	SNB-WL-D1S	SNB-D1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H4cP	SNB-H1	None	SNB-D1	SNB-WL-D2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H4dP	SNB-H1	None	SNB-WL-D2S	SNB-D2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H4eP	SNB-H1	None	SNB-D2	SNB-WL-D3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H4fP	SNB-H1	None	SNB-WL-D3S	SNB-DP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H5aP	SNB-H2	None	SNB-EP	SNB-WL-E1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H5bP	SNB-H2	None	SNB-WL-E1S	SNB-E1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H5cP	SNB-H2	None	SNB-E1	SNB-WL-E2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H5dP	SNB-H2	None	SNB-WL-E2S	SNB-E2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H5eP	SNB-H2	None	SNB-E2	SNB-WL-E3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H5fP	SNB-H2	None	SNB-WL-E3S	SNB-EP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H6aP	SNB-H2	None	SNB-FP	SNB-WL-F1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H6bP	SNB-H2	None	SNB-WL-F1S	SNB-F1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H6cP	SNB-H2	None	SNB-F1	SNB-WL-F2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H6dP	SNB-H2	None	SNB-WL-F2S	SNB-F2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H6eP	SNB-H2	None	SNB-F2	SNB-WL-F3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H6fP	SNB-H2	None	SNB-WL-F3S	SNB-FP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H7aP	SNB-H2	None	SNB-GP	SNB-WL-G1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H7bP	SNB-H2	None	SNB-WL-G1S	SNB-G1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H7cP	SNB-H2	None	SNB-G1	SNB-WL-G2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H7dP	SNB-H2	None	SNB-WL-G2S	SNB-G2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H7eP	SNB-H2	None	SNB-G2	SNB-WL-G3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H7fP	SNB-H2	None	SNB-WL-G3S	SNB-GP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H8aP	SNB-H2	None	SNB-HP	SNB-WL-H1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H8bP	SNB-H2	None	SNB-WL-H1S	SNB-H1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H8cP	SNB-H2	None	SNB-H1	SNB-WL-H2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H8dP	SNB-H2	None	SNB-WL-H2S	SNB-H2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H8eP	SNB-H2	None	SNB-H2	SNB-WL-H3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H8fP	SNB-H2	None	SNB-WL-H3S	SNB-HP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H9aP	SNB-H2	None	SNB-IP	SNB-WL-I1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H9bP	SNB-H2	None	SNB-WL-I1S	SNB-I1	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H9cP	SNB-H2	None	SNB-I1	SNB-WL-I2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H9dP	SNB-H2	None	SNB-WL-I2S	SNB-I2	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H9eP	SNB-H2	None	SNB-I2	SNB-WL-I3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-H9fP	SNB-H2	None	SNB-WL-I3S	SNB-IP	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-A1P	WLAC-1	None	SNB-WL-A1S	SNB-WL-A2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-A2P	WLAC-1	None	SNB-WL-A2S	SNB-WL-A3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-A3P	WLAC-1	None	SNB-WL-A3S	SNB-WL-A1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-B1P	WLAC-1	None	SNB-WL-B1S	SNB-WL-B2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-B2P	WLAC-1	None	SNB-WL-B2S	SNB-WL-B3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-B3P	WLAC-1	None	SNB-WL-B3S	SNB-WL-B1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-C1P	WLAC-1	None	SNB-WL-C1S	SNB-WL-C2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-C2P	WLAC-1	None	SNB-WL-C2S	SNB-WL-C3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-C3P	WLAC-1	None	SNB-WL-C3S	SNB-WL-C1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-D1P	WLAC-1	None	SNB-WL-D1S	SNB-WL-D2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-D2P	WLAC-1	None	SNB-WL-D2S	SNB-WL-D3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-D3P	WLAC-1	None	SNB-WL-D3S	SNB-WL-D1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-E1P	WLAC-2	None	SNB-WL-E1S	SNB-WL-E2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-E2P	WLAC-2	None	SNB-WL-E2S	SNB-WL-E3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-E3P	WLAC-2	None	SNB-WL-E3S	SNB-WL-E1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-F1P	WLAC-2	None	SNB-WL-F1S	SNB-WL-F2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-F2P	WLAC-2	None	SNB-WL-F2S	SNB-WL-F3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-F3P	WLAC-2	None	SNB-WL-F3S	SNB-WL-F1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-G1P	WLAC-2	None	SNB-WL-G1S	SNB-WL-G2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-G2P	WLAC-2	None	SNB-WL-G2S	SNB-WL-G3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-G3P	WLAC-2	None	SNB-WL-G3S	SNB-WL-G1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-H1P	WLAC-2	None	SNB-WL-H1S	SNB-WL-H2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0
SNB-WL-H2P	WLAC-2	None	SNB-WL-H2S	SNB-WL-H3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	0

SNB-WL-H3P	WLAC-2	None	SNB-WL-H3S	SNB-WL-H1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-I1P	WLAC-2	None	SNB-WL-I1S	SNB-WL-I2S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-I2P	WLAC-2	None	SNB-WL-I2S	SNB-WL-I3S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	
SNB-WL-I3P	WLAC-2	None	SNB-WL-I3S	SNB-WL-I1S	1	4	1	1	1	0	0	0	0	0	0	0	0	0	

Member Capacities and Overrides:

Member Label	Group Label	Design Comp. Capacity (kips)	Comp. Control Criterion	Design Tension Capacity (kips)	Tension Control Criterion	L/r	Length (ft)	L/r Comp. Capacity (kips)	Connection Shear Capacity (kips)	Connection Bearing Capacity (kips)	Net Section Tension Capacity (kips)	Rupture Tension Capacity (kips)	RTE End Dist. Tension Capacity (kips)	RTE Edge Dist. Tension Capacity (kips)	Override Comp. Capacity (kips)	Override Comp. Control Criterion	Override Tension Capacity (kips)	Override Tension Control Criterion	Override Face Member ship	Warnings or Errors
Rohn-DA1P	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA11	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA12	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA2P	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA21	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA22	Rohn-D1	3.605	L/r	8.156	Bearing	160	9.16	3.605	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA3P	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA31	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA32	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA4P	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA41	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA42	Rohn-D1	3.389	L/r	8.156	Bearing	165	9.45	3.389	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA5P	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA51	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA52	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA6P	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA61	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA62	Rohn-D1	3.189	L/r	8.156	Bearing	170	9.74	3.189	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA7P	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA71	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA72	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA8P	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA81	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DA82	Rohn-D1	3.005	L/r	8.156	Bearing	176	10.03	3.005	16.200	8.156	10.681	8.684	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB1P	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB11	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB12	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB2P	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB21	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB22	Rohn-D2	4.283	L/r	8.156	Bearing	157	10.33	4.283	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB3P	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB31	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB32	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB4P	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB41	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB42	Rohn-D2	4.045	L/r	8.156	Bearing	162	10.63	4.045	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB5P	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB51	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB52	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB6P	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB61	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB62	Rohn-D2	3.824	L/r	8.156	Bearing	167	10.93	3.824	16.200	8.156	12.639	9.527	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB7P	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB71	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB72	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB8P	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB81	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000		0.000		Automatic	
Rohn-DB82	Rohn-D8	6.759	L/r	16.200	Shear	173	11.24	6.759	16.200	16.312	23.973	19.055	0.000	0.000	0.000		0.000		Automatic	
Rohn-DC1P	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000		0.000		Automatic	

Rohn-DC11	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC12	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC2P	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC21	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC22	Rohn-D3	5.960	L/r	8.156	Bearing	150	12.40	5.960	16.200	8.156	16.815	10.195	0.000	0.000	0.000	0.000	Automatic
Rohn-DC3P	Rohn-D3a	7.266	L/r	10.875	Bearing	156	12.80	7.266	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC31	Rohn-D3a	7.266	L/r	10.875	Bearing	156	12.80	7.266	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC32	Rohn-D3a	7.266	L/r	10.875	Bearing	156	12.80	7.266	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC4P	Rohn-D3a	7.266	L/r	10.875	Bearing	156	12.80	7.266	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC41	Rohn-D3a	7.266	L/r	10.875	Bearing	156	12.80	7.266	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC42	Rohn-D3a	7.266	L/r	10.875	Bearing	156	12.80	7.266	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC5P	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC51	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC52	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC6P	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC61	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DC62	Rohn-D3a	6.854	L/r	10.875	Bearing	161	13.18	6.854	16.200	10.875	22.144	13.594	0.000	0.000	0.000	0.000	Automatic
Rohn-DD1P	Rohn-D4a	7.864	L/r	13.594	Bearing	167	13.57	7.864	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD11	Rohn-D4a	7.864	L/r	13.594	Bearing	167	13.57	7.864	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD12	Rohn-D4a	7.864	L/r	13.594	Bearing	167	13.57	7.864	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD2P	Rohn-D4a	7.864	L/r	13.594	Bearing	167	13.57	7.864	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD21	Rohn-D4a	7.864	L/r	13.594	Bearing	167	13.57	7.864	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD22	Rohn-D4a	7.864	L/r	13.594	Bearing	167	13.57	7.864	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD3P	Rohn-D4a	7.413	L/r	13.594	Bearing	171	13.98	7.413	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD31	Rohn-D4a	7.413	L/r	13.594	Bearing	171	13.98	7.413	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD32	Rohn-D4a	7.413	L/r	13.594	Bearing	171	13.98	7.413	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD4P	Rohn-D4a	7.413	L/r	13.594	Bearing	171	13.98	7.413	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD41	Rohn-D4a	7.413	L/r	13.594	Bearing	171	13.98	7.413	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD42	Rohn-D4a	7.413	L/r	13.594	Bearing	171	13.98	7.413	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD5P	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD51	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD52	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD6P	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD61	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DD62	Rohn-D4a	7.015	L/r	13.594	Bearing	176	14.37	7.015	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
Rohn-DE1P	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE11	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE12	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE2P	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE21	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE22	Rohn-D5	9.594	L/r	12.187	Bearing	150	14.77	9.594	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE3P	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE31	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE32	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE4P	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE41	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE42	Rohn-D5	9.076	L/r	12.187	Bearing	154	15.19	9.076	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE5P	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE51	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE52	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE6P	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE61	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DE62	Rohn-D5	8.615	L/r	12.187	Bearing	158	15.59	8.615	16.200	12.187	30.910	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF1P	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF11	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF12	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF2P	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF21	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF22	Rohn-D6	10.719	L/r	12.187	Bearing	153	17.75	10.719	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF3P	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF31	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF32	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF4P	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF41	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DF42	Rohn-D6	10.065	L/r	12.187	Bearing	158	18.32	10.065	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic
Rohn-DG1P	Rohn-D6	9.463	L/r	12.187	Bearing	163	18.89	9.463	16.200	12.187	37.004	15.234	0.000	0.000	0.000	0.000	Automatic

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

Rohn-LC31	Rohn-L3	98.153	L/r	124.200	Net Sect	54	6.67	98.153	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LC32	Rohn-L3	98.153	L/r	124.200	Net Sect	54	6.67	98.153	0.000	0.000	124.200	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD1P	Rohn-L4a	117.722	L/r	174.651	Net Sect	74	6.67	117.722	0.000	0.000	174.651	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD11	Rohn-L4a	117.722	L/r	174.651	Net Sect	74	6.67	117.722	0.000	0.000	174.651	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD12	Rohn-L4a	117.722	L/r	174.651	Net Sect	74	6.67	117.722	0.000	0.000	174.651	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD2P	Rohn-L4a	117.476	L/r	174.651	Net Sect	74	6.69	117.476	0.000	0.000	174.651	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD21	Rohn-L4a	117.476	L/r	174.651	Net Sect	74	6.69	117.476	0.000	0.000	174.651	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD22	Rohn-L4a	117.476	L/r	174.651	Net Sect	74	6.69	117.476	0.000	0.000	174.651	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD3P	Rohn-L4a	117.722	L/r	174.651	Net Sect	74	6.67	117.722	0.000	0.000	174.651	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD31	Rohn-L4a	117.722	L/r	174.651	Net Sect	74	6.67	117.722	0.000	0.000	174.651	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LD32	Rohn-L4a	117.722	L/r	174.651	Net Sect	74	6.67	117.722	0.000	0.000	174.651	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE1P	Rohn-L5a	189.152	L/r	226.293	Net Sect	45	6.67	189.152	0.000	0.000	226.293	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE11	Rohn-L5a	189.152	L/r	226.293	Net Sect	45	6.67	189.152	0.000	0.000	226.293	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE12	Rohn-L5a	189.152	L/r	226.293	Net Sect	45	6.67	189.152	0.000	0.000	226.293	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE2P	Rohn-L5a	188.999	L/r	226.293	Net Sect	45	6.69	188.999	0.000	0.000	226.293	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE21	Rohn-L5a	188.999	L/r	226.293	Net Sect	45	6.69	188.999	0.000	0.000	226.293	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE22	Rohn-L5a	188.999	L/r	226.293	Net Sect	45	6.69	188.999	0.000	0.000	226.293	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE3P	Rohn-L5a	189.152	L/r	226.293	Net Sect	45	6.67	189.152	0.000	0.000	226.293	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE31	Rohn-L5a	189.152	L/r	226.293	Net Sect	45	6.67	189.152	0.000	0.000	226.293	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LE32	Rohn-L5a	189.152	L/r	226.293	Net Sect	45	6.67	189.152	0.000	0.000	226.293	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF1P	Rohn-L6a	196.191	L/r	251.187	Net Sect	56	10.01	196.191	0.000	0.000	251.187	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF11	Rohn-L6a	196.191	L/r	251.187	Net Sect	56	10.01	196.191	0.000	0.000	251.187	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF12	Rohn-L6a	196.191	L/r	251.187	Net Sect	56	10.01	196.191	0.000	0.000	251.187	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF2P	Rohn-L6a	229.520	L/r	251.187	Net Sect	28	10.01	229.520	0.000	0.000	251.187	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF21	Rohn-L6a	229.520	L/r	251.187	Net Sect	28	10.01	229.520	0.000	0.000	251.187	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LF22	Rohn-L6a	229.520	L/r	251.187	Net Sect	28	10.01	229.520	0.000	0.000	251.187	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG1P	Rohn-L7a	238.476	L/r	306.144	Net Sect	56	10.01	238.476	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG11	Rohn-L7a	238.476	L/r	306.144	Net Sect	56	10.01	238.476	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG12	Rohn-L7a	238.476	L/r	306.144	Net Sect	56	10.01	238.476	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG2P	Rohn-L7a	238.476	L/r	306.144	Net Sect	56	10.01	238.476	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG21	Rohn-L7a	238.476	L/r	306.144	Net Sect	56	10.01	238.476	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LG22	Rohn-L7a	238.476	L/r	306.144	Net Sect	56	10.01	238.476	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH1P	Rohn-L7a	279.503	L/r	306.144	Net Sect	28	10.01	279.503	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH11	Rohn-L7a	279.503	L/r	306.144	Net Sect	28	10.01	279.503	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH12	Rohn-L7a	279.503	L/r	306.144	Net Sect	28	10.01	279.503	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH2P	Rohn-L7a	279.503	L/r	306.144	Net Sect	28	10.01	279.503	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH21	Rohn-L7a	279.503	L/r	306.144	Net Sect	28	10.01	279.503	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LH22	Rohn-L7a	279.503	L/r	306.144	Net Sect	28	10.01	279.503	0.000	0.000	306.144	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI1P	Rohn-L8a	312.544	L/r	366.683	Net Sect	42	10.01	312.544	0.000	0.000	366.683	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI11	Rohn-L8a	312.544	L/r	366.683	Net Sect	42	10.01	312.544	0.000	0.000	366.683	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI12	Rohn-L8a	312.544	L/r	366.683	Net Sect	42	10.01	312.544	0.000	0.000	366.683	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI2P	Rohn-L8a	344.701	L/r	366.683	Net Sect	21	10.01	344.701	0.000	0.000	366.683	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI21	Rohn-L8a	344.701	L/r	366.683	Net Sect	21	10.01	344.701	0.000	0.000	366.683	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-LI22	Rohn-L8a	344.701	L/r	366.683	Net Sect	21	10.01	344.701	0.000	0.000	366.683	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H1P	Rohn-H1	5.372	L/r	13.392	Net Sect	131	7.50	5.372	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H11	Rohn-H1	5.372	L/r	13.392	Net Sect	131	7.50	5.372	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H12	Rohn-H1	5.372	L/r	13.392	Net Sect	131	7.50	5.372	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H2P	Rohn-H1	3.846	L/r	13.392	Net Sect	155	8.87	3.846	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H21	Rohn-H1	3.846	L/r	13.392	Net Sect	155	8.87	3.846	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
Rohn-H22	Rohn-H1	3.846	L/r	13.392	Net Sect	155	8.87	3.846	0.000	0.000	13.392	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-DA1P	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA11	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA12	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA2P	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA21	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA22	SNB-D1	13.594	Bearing	13.594	Bearing	101	6.54	14.839	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA3P	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA31	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA32	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA4P	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA41	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA42	SNB-D1	13.594	Bearing	13.594	Bearing	104	6.76	14.328	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA5P	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA51	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA52	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA6P	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic

SNB-DA61	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA62	SNB-D1	13.594	Bearing	13.594	Bearing	108	7.00	13.784	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA7P	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA71	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA72	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA8P	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA81	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DA82	SNB-D1	13.207	L/r	13.594	Bearing	111	7.24	13.207	16.200	13.594	20.340	15.879	0.000	0.000	0.000	0.000	Automatic
SNB-DB1P	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB11	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB12	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB2P	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB21	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB22	SNB-D2	10.337	L/r	10.875	Bearing	115	7.49	10.337	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB3P	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB31	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB32	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB4P	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB41	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB42	SNB-D2	9.815	L/r	10.875	Bearing	119	7.75	9.815	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB5P	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB51	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB52	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB6P	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB61	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB62	SNB-D2	9.268	L/r	10.875	Bearing	123	8.01	9.268	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB7P	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB71	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB72	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB8P	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB81	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DB82	SNB-D2	8.696	L/r	10.875	Bearing	127	8.28	8.696	16.200	10.875	16.707	12.703	0.000	0.000	0.000	0.000	Automatic
SNB-DC1P	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC11	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC12	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC2P	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC21	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC22	SNB-D3	13.594	Bearing	13.594	Bearing	119	9.66	15.319	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC3P	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC31	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC32	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC4P	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC41	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC42	SNB-D3	13.594	Bearing	13.594	Bearing	123	10.01	14.423	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC5P	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC51	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC52	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC6P	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC61	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DC62	SNB-D3	13.552	L/r	13.594	Bearing	127	10.34	13.552	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD1P	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD11	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD12	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD2P	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD21	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD22	SNB-D3	12.677	L/r	13.594	Bearing	131	10.69	12.677	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD3P	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD31	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD32	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD4P	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD41	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD42	SNB-D3	11.841	L/r	13.594	Bearing	136	11.06	11.841	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD5P	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD51	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD52	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD6P	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic

SNB-DD61	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DD62	SNB-D3	11.119	L/r	13.594	Bearing	140	11.41	11.119	16.200	13.594	27.082	16.992	0.000	0.000	0.000	0.000	Automatic
SNB-DE1P	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE11	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE12	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE2P	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE21	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE22	SNB-D4	16.200	Shear	16.200	Shear	121	11.78	27.855	16.200	21.750	52.336	27.187	0.000	0.000	0.000	0.000	Automatic
SNB-DE3P	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE31	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE32	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE4P	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE41	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE42	SNB-D4	24.000	Shear	24.000	Shear	125	12.17	26.251	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE5P	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE51	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE52	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE6P	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE61	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DE62	SNB-D4	24.000	Shear	24.000	Shear	129	12.54	24.724	24.000	26.100	50.976	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF1P	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF11	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF12	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF2P	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF21	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF22	SNB-D5	24.000	Shear	24.000	Shear	115	15.01	41.102	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF3P	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF31	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF32	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF4P	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF41	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DF42	SNB-D5	24.000	Shear	24.000	Shear	119	15.53	39.016	24.000	26.100	72.726	32.625	0.000	0.000	0.000	0.000	Automatic
SNB-DG1P	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG11	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG12	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG2P	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG21	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG22	SNB-D6	24.000	Shear	24.000	Shear	124	16.06	44.952	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG3P	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG31	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG32	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG4P	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG41	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DG42	SNB-D6	24.000	Shear	24.000	Shear	128	16.59	42.144	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH1P	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH11	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH12	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH2P	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH21	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH22	SNB-D6	24.000	Shear	24.000	Shear	132	17.14	39.490	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH3P	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH31	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH32	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH4P	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH41	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DH42	SNB-D6	24.000	Shear	24.000	Shear	136	17.70	37.040	24.000	32.625	89.222	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI1P	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI11	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI12	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI2P	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI21	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI22	SNB-D7	24.000	Shear	24.000	Shear	112	18.27	66.757	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI3P	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI31	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI32	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI4P	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic

SNB-DI41	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-DI42	SNB-D7	24.000	Shear	24.000	Shear	116	18.84	63.911	24.000	32.625	116.410	40.781	0.000	0.000	0.000	0.000	Automatic
SNB-LA1P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA11	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA12	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA2P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA21	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA22	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA3P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA31	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA32	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA4P	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA41	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LA42	SNB-L1	75.146	L/r	90.720	Net Sect	55	5.00	75.146	0.000	0.000	90.720	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB1P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB11	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB12	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB2P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB21	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB22	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB3P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB31	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB32	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB4P	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB41	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LB42	SNB-L2	118.023	L/r	134.136	Net Sect	42	5.00	118.023	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC1P	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC11	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC12	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC2P	SNB-L2	110.299	L/r	134.136	Net Sect	56	6.69	110.299	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC21	SNB-L2	110.299	L/r	134.136	Net Sect	56	6.69	110.299	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC22	SNB-L2	110.299	L/r	134.136	Net Sect	56	6.69	110.299	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC3P	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC31	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LC32	SNB-L2	110.397	L/r	134.136	Net Sect	56	6.67	110.397	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD1P	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD11	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD12	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD2P	SNB-L3	108.204	L/r	123.552	Net Sect	43	6.69	108.204	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD21	SNB-L3	108.204	L/r	123.552	Net Sect	43	6.69	108.204	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD22	SNB-L3	108.204	L/r	123.552	Net Sect	43	6.69	108.204	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD3P	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD31	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LD32	SNB-L3	108.266	L/r	123.552	Net Sect	43	6.67	108.266	0.000	0.000	123.552	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE1P	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE11	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE12	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE2P	SNB-L4	207.585	L/r	231.120	Net Sect	37	6.69	207.585	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE21	SNB-L4	207.585	L/r	231.120	Net Sect	37	6.69	207.585	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE22	SNB-L4	207.585	L/r	231.120	Net Sect	37	6.69	207.585	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE3P	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE31	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LE32	SNB-L4	207.677	L/r	231.120	Net Sect	37	6.67	207.677	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF1P	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF11	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF12	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF2P	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF21	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LF22	SNB-L4	190.683	L/r	231.120	Net Sect	56	10.01	190.683	0.000	0.000	231.120	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG1P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG11	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG12	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG2P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG21	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LG22	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH1P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic

SNB-LH11	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH12	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH2P	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH21	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LH22	SNB-L5	243.879	L/r	276.480	Net Sect	42	10.01	243.879	0.000	0.000	276.480	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI1P	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI11	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI12	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI2P	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI21	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-LI22	SNB-L6	317.480	L/r	347.759	Net Sect	33	10.01	317.480	0.000	0.000	347.759	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect A1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect A2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Aa1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Aa2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AbP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ab1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ab2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect AcP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ac1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ac2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect B1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect B2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BaP	Connect	17203.093	L/r	17279.973	Net Sect	2	2.00	17203.093	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ba1	Connect	17203.093	L/r	17279.973	Net Sect	2	2.00	17203.093	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ba2	Connect	17203.093	L/r	17279.973	Net Sect	2	2.00	17203.093	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BbP	Connect	17203.083	L/r	17279.973	Net Sect	2	2.00	17203.083	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bb1	Connect	17203.083	L/r	17279.973	Net Sect	2	2.00	17203.083	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bb2	Connect	17203.083	L/r	17279.973	Net Sect	2	2.00	17203.083	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect BcP	Connect	17203.073	L/r	17279.973	Net Sect	2	2.00	17203.073	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bc1	Connect	17203.073	L/r	17279.973	Net Sect	2	2.00	17203.073	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Bc2	Connect	17203.073	L/r	17279.973	Net Sect	2	2.00	17203.073	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect CP	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect C1	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect C2	Connect	17203.063	L/r	17279.973	Net Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect CaP	Connect	17203.076	L/r	17279.973	Net Sect	2	2.00	17203.076	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ca1	Connect	17203.076	L/r	17279.973	Net Sect	2	2.00	17203.076	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ca2	Connect	17203.076	L/r	17279.973	Net Sect	2	2.00	17203.076	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect CbP	Connect	17203.089	L/r	17279.973	Net Sect	2	2.00	17203.089	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Cb1	Connect	17203.089	L/r	17279.973	Net Sect	2	2.00	17203.089	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Cb2	Connect	17203.089	L/r	17279.973	Net Sect	2	2.00	17203.089	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect DP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect D1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect D2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect DaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Da1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Da2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect DbP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Db1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Db2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect EP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect E1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect E2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect EaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ea1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ea2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect EbP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Eb1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Eb2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect FP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect F1	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect F2	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect FaP	Connect	17203.103	L/r	17279.973	Net Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic

Connect Fa1	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Fa2	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect GP	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect G1	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect G2	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect GaP	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ga1	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ga2	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect HP	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect H1	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect H2	Connect	17203.103	L/r	17279.973	Net	Sect	2	2.00	17203.103	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect HaP	Connect	17203.063	L/r	17279.973	Net	Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ha1	Connect	17203.063	L/r	17279.973	Net	Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ha2	Connect	17203.063	L/r	17279.973	Net	Sect	2	2.00	17203.063	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect IP	Connect	17203.023	L/r	17279.973	Net	Sect	2	2.00	17203.023	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect I1	Connect	17203.023	L/r	17279.973	Net	Sect	2	2.00	17203.023	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect I2	Connect	17203.023	L/r	17279.973	Net	Sect	2	2.00	17203.023	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect IaP	Connect	17202.963	L/r	17279.973	Net	Sect	2	2.00	17202.963	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ia1	Connect	17202.963	L/r	17279.973	Net	Sect	2	2.00	17202.963	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
Connect Ia2	Connect	17202.963	L/r	17279.973	Net	Sect	2	2.00	17202.963	0.000	0.000	17279.973	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1aP	SNB-H1	84.029	L/r	88.668	Net	Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1bP	SNB-H1	84.029	L/r	88.668	Net	Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1cP	SNB-H1	84.029	L/r	88.668	Net	Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1dP	SNB-H1	84.029	L/r	88.668	Net	Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1eP	SNB-H1	84.029	L/r	88.668	Net	Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H1fP	SNB-H1	84.029	L/r	88.668	Net	Sect	22	2.02	84.029	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2aP	SNB-H1	81.989	L/r	88.668	Net	Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2bP	SNB-H1	81.989	L/r	88.668	Net	Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2cP	SNB-H1	81.989	L/r	88.668	Net	Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2dP	SNB-H1	81.989	L/r	88.668	Net	Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2eP	SNB-H1	81.989	L/r	88.668	Net	Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H2fP	SNB-H1	81.989	L/r	88.668	Net	Sect	30	2.70	81.989	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3aP	SNB-H1	79.736	L/r	88.668	Net	Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3bP	SNB-H1	79.736	L/r	88.668	Net	Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3cP	SNB-H1	79.736	L/r	88.668	Net	Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3dP	SNB-H1	79.736	L/r	88.668	Net	Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3eP	SNB-H1	79.736	L/r	88.668	Net	Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H3fP	SNB-H1	79.736	L/r	88.668	Net	Sect	37	3.38	79.736	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4aP	SNB-H1	77.281	L/r	88.668	Net	Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4bP	SNB-H1	77.281	L/r	88.668	Net	Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4cP	SNB-H1	77.281	L/r	88.668	Net	Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4dP	SNB-H1	77.281	L/r	88.668	Net	Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4eP	SNB-H1	77.281	L/r	88.668	Net	Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H4fP	SNB-H1	77.281	L/r	88.668	Net	Sect	44	4.07	77.281	0.000	0.000	88.668	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5aP	SNB-H2	119.111	L/r	134.136	Net	Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5bP	SNB-H2	119.111	L/r	134.136	Net	Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5cP	SNB-H2	119.111	L/r	134.136	Net	Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5dP	SNB-H2	119.111	L/r	134.136	Net	Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5eP	SNB-H2	119.111	L/r	134.136	Net	Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H5fP	SNB-H2	119.111	L/r	134.136	Net	Sect	40	4.75	119.111	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6aP	SNB-H2	116.171	L/r	134.136	Net	Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6bP	SNB-H2	116.171	L/r	134.136	Net	Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6cP	SNB-H2	116.171	L/r	134.136	Net	Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6dP	SNB-H2	116.171	L/r	134.136	Net	Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6eP	SNB-H2	116.171	L/r	134.136	Net	Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H6fP	SNB-H2	116.171	L/r	134.136	Net	Sect	46	5.43	116.171	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7aP	SNB-H2	113.058	L/r	134.136	Net	Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7bP	SNB-H2	113.058	L/r	134.136	Net	Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7cP	SNB-H2	113.058	L/r	134.136	Net	Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7dP	SNB-H2	113.058	L/r	134.136	Net	Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7eP	SNB-H2	113.058	L/r	134.136	Net	Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H7fP	SNB-H2	113.058	L/r	134.136	Net	Sect	52	6.11	113.058	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8aP	SNB-H2	109.782	L/r	134.136	Net	Sect	57	6.79	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8bP	SNB-H2	109.782	L/r	134.136	Net	Sect	57	6.79	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8cP	SNB-H2	109.782	L/r	134.136	Net	Sect	57	6.79	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic
SNB-H8dP	SNB-H2	109.782	L/r	134.136	Net	Sect	57	6.79	109.782	0.000	0.000	134.136	0.000	0.000	0.000	0.000	0.000	Automatic

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

The model contains 612 angle members.

Section Joint Information:

Section Label	Joint Label	Joint Elevation (ft)
A	RohnAP	180.000
A	RohnAa1	175.000
A	RohnA1	180.000
A	RohnAa2	175.000
A	RohnA2	180.000
A	RohnAaS	175.000
A	RohnAb1	170.000
A	RohnAb2	170.000
A	RohnAbS	170.000
A	RohnAc1	165.000
A	RohnAc2	165.000
A	RohnAcS	165.000
A	RohnB2	160.000
A	RohnBP	160.000
A	RohnB1	160.000
A	SNB-AP	180.000
A	SNB-Aa1	175.000
A	SNB-A1	180.000
A	SNB-Aa2	175.000
A	SNB-A2	180.000
A	SNB-AaS	175.000
A	SNB-Ab1	170.000

A	SNB-Ab2	170.000
A	SNB-AbS	170.000
A	SNB-Ac1	165.000
A	SNB-Ac2	165.000
A	SNB-AcS	165.000
A	SNB-B1	160.000
A	SNB-B2	160.000
A	SNB-BP	160.000
A	SNB-WL-A1S	180.000
A	SNB-WL-A2S	180.000
A	SNB-WL-A3S	180.000
A	SNB-WL-B1S	160.000
A	SNB-WL-B2S	160.000
A	SNB-WL-B3S	160.000
B	RohnBP	160.000
B	RohnBa1	155.000
B	RohnB1	160.000
B	RohnBa2	155.000
B	RohnB2	160.000
B	RohnBaS	155.000
B	RohnBb1	150.000
B	RohnBb2	150.000
B	RohnBbS	150.000
B	RohnBc1	145.000
B	RohnBc2	145.000
B	RohnBcS	145.000
B	RohnC1	140.000
B	RohnC2	140.000
B	RohnCP	140.000
B	SNB-BP	160.000
B	SNB-Ba1	155.000
B	SNB-B1	160.000
B	SNB-Ba2	155.000
B	SNB-B2	160.000
B	SNB-BaS	155.000
B	SNB-Bb1	150.000
B	SNB-Bb2	150.000
B	SNB-BbS	150.000
B	SNB-Bc1	145.000
B	SNB-Bc2	145.000
B	SNB-BcS	145.000
B	SNB-C1	140.000
B	SNB-C2	140.000
B	SNB-CP	140.000
B	SNB-WL-C1S	140.000
B	SNB-WL-C2S	140.000
B	SNB-WL-C3S	140.000
C	RohnCP	140.000
C	RohnCa1	133.340
C	RohnC1	140.000
C	RohnCa2	133.340
C	RohnC2	140.000
C	RohnCaS	133.340
C	RohnCb1	126.660
C	RohnCb2	126.660
C	RohnCbS	126.660
C	RohnD1	120.000
C	RohnD2	120.000
C	RohnDP	120.000
C	SNB-CP	140.000
C	SNB-Ca1	133.340
C	SNB-C1	140.000
C	SNB-Ca2	133.340
C	SNB-C2	140.000
C	SNB-CaS	133.340
C	SNB-Cb1	126.660

C	SNB-Cb2	126.660
C	SNB-CbS	126.660
C	SNB-D1	120.000
C	SNB-D2	120.000
C	SNB-DP	120.000
C	SNB-WL-D1S	120.000
C	SNB-WL-D2S	120.000
C	SNB-WL-D3S	120.000
D	RohnDP	120.000
D	RohnDa1	113.340
D	RohnD1	120.000
D	RohnDa2	113.340
D	RohnD2	120.000
D	RohnDaS	113.340
D	RohnDb1	106.660
D	RohnDb2	106.660
D	RohnDbS	106.660
D	RohnE1	100.000
D	RohnE2	100.000
D	RohnEP	100.000
D	SNB-DP	120.000
D	SNB-Da1	113.340
D	SNB-D1	120.000
D	SNB-Da2	113.340
D	SNB-D2	120.000
D	SNB-DaS	113.340
D	SNB-Db1	106.660
D	SNB-Db2	106.660
D	SNB-DbS	106.660
D	SNB-E1	100.000
D	SNB-E2	100.000
D	SNB-EP	100.000
D	SNB-WL-E1S	100.000
D	SNB-WL-E2S	100.000
D	SNB-WL-E3S	100.000
E	RohnEP	100.000
E	RohnEa1	93.340
E	RohnE1	100.000
E	RohnEa2	93.340
E	RohnE2	100.000
E	RohnEaS	93.340
E	RohnEb1	86.660
E	RohnEb2	86.660
E	RohnEbS	86.660
E	RohnF1	80.000
E	RohnF2	80.000
E	RohnFP	80.000
E	SNB-EP	100.000
E	SNB-Ea1	93.340
E	SNB-E1	100.000
E	SNB-Ea2	93.340
E	SNB-E2	100.000
E	SNB-EaS	93.340
E	SNB-Eb1	86.660
E	SNB-Eb2	86.660
E	SNB-EbS	86.660
E	SNB-F1	80.000
E	SNB-F2	80.000
E	SNB-FP	80.000
E	SNB-WL-F1S	80.000
E	SNB-WL-F2S	80.000
E	SNB-WL-F3S	80.000
F	RohnFP	80.000
F	RohnFa1	70.000
F	RohnF1	80.000
F	RohnFa2	70.000

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F      RohnF2    80.000
F     RohnFaS    70.000
F      RohnG1    60.000
F      RohnG2    60.000
F      RohnGP    60.000
F      SNB-FP    80.000
F     SNB-Fa1    70.000
F      SNB-F1    80.000
F     SNB-Fa2    70.000
F      SNB-F2    80.000
F     SNB-FaS    70.000
F      SNB-G1    60.000
F      SNB-G2    60.000
F      SNB-GP    60.000
F SNB-WL-G1S    60.000
F SNB-WL-G2S    60.000
F SNB-WL-G3S    60.000
G      RohnGP    60.000
G     RohnGa1    50.000
G      RohnG1    60.000
G     RohnGa2    50.000
G      RohnG2    60.000
G     RohnGaS    50.000
G      RohnH1    40.000
G      RohnH2    40.000
G      RohnHP    40.000
G      SNB-GP    60.000
G     SNB-Ga1    50.000
G      SNB-G1    60.000
G     SNB-Ga2    50.000
G      SNB-G2    60.000
G     SNB-GaS    50.000
G      SNB-H1    40.000
G      SNB-H2    40.000
G      SNB-HP    40.000
G SNB-WL-H1S    40.000
G SNB-WL-H2S    40.000
G SNB-WL-H3S    40.000
H      RohnHP    40.000
H     RohnHa1    30.000
H      RohnH1    40.000
H     RohnHa2    30.000
H      RohnH2    40.000
H     RohnHaS    30.000
H      RohnI1    20.000
H      RohnI2    20.000
H      RohnIP    20.000
H      SNB-HP    40.000
H     SNB-Ha1    30.000
H      SNB-H1    40.000
H     SNB-Ha2    30.000
H      SNB-H2    40.000
H     SNB-HaS    30.000
H      SNB-I1    20.000
H      SNB-I2    20.000
H      SNB-IP    20.000
H SNB-WL-I1S    20.000
H SNB-WL-I2S    20.000
H SNB-WL-I3S    20.000
I      RohnIP    20.000
I     RohnIa1    10.000
I      RohnI1    20.000
I     RohnIa2    10.000
I      RohnI2    20.000
I     RohnIaS    10.000
I      RohnJ1     0.000
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I	RohnJ2	0.000
I	RohnJP	0.000
I	SNB-IP	20.000
I	SNB-Ia1	10.000
I	SNB-I1	20.000
I	SNB-Ia2	10.000
I	SNB-I2	20.000
I	SNB-IaS	10.000
I	SNB-J1	0.000
I	SNB-J2	0.000
I	SNB-JP	0.000

EIA Sections Information:

Section Label	Top Z (ft)	Bottom Z (ft)	Joint Count	Member Count	Top Width (ft)	Bottom Width (ft)	Gross Area (ft^2)	Face Af Adjust Factor	Face Ar Adjust Factor	Dead Load Factor
A	180.000	160.000	36	111	7.50	8.87	163.75	0.9000	0.9000	1.000
B	160.000	140.000	33	93	8.87	10.23	191.05	0.9000	0.9000	1.000
C	140.000	120.000	27	72	10.23	11.60	218.31	0.9000	0.9000	1.000
D	120.000	100.000	27	72	11.60	12.96	245.54	0.9000	0.9000	1.000
E	100.000	80.000	27	72	12.96	14.32	272.78	0.9000	0.9000	1.000
F	80.000	60.000	21	51	14.32	15.68	300.04	0.9000	0.9000	1.000
G	60.000	40.000	21	51	15.68	17.05	327.29	0.9000	0.9000	1.000
H	40.000	20.000	21	51	17.05	18.41	354.57	0.9000	0.9000	1.000
I	20.000	0.000	18	39	18.41	19.78	381.92	0.9000	0.9000	1.000

Equipment Library:

Equipment Property Label	Stock Number	Weight (lbs)	Wind Area (ft^2)	Ice Area (ft^2)	Shape or EIA Antenna Type	Drag Coef.	Diameter (ft)	Height (ft)
RFS PD1142 w/ ice	Omni	21.5	2.80	0.00	Circle	1.00	0.00	0.00
Andrew DB-583 w/ ice	Omni	11.6	0.71	0.00	Circle	1.00	0.00	0.00
Andrew DB844H80-XY	Panel	40.0	3.58	0.00	Square	1.00	0.00	0.00
12` T-Arm	Mount	600.0	10.00	0.00	Square	1.00	0.00	0.00
3` Stand-Off	Mount	75.0	1.50	0.00	Square	1.00	0.00	0.00
Dipole	Dipole	71.0	6.00	0.00	Circle	1.00	0.00	0.00
6` Dish with Radome	Dish	220.0	29.00	0.00	Circle	1.00	0.00	0.00
TMA	TMA	15.0	1.00	0.00	Square	1.00	0.00	0.00
GLF-940 Grid Dish	Grid Dish	120.0	20.00	0.00	Circle	1.00	0.00	0.00
GPS	GPS	20.0	1.00	0.00	Circle	1.00	0.00	0.00
Powerwave 7770	Panel	35.0	5.88	0.00	Square	1.00	0.00	0.00
Powerwave P65-16-XLH-RR	Panel	65.0	8.40	0.00	Square	1.00	0.00	0.00
Raycap Surge Suppressor	Other	20.0	1.27	0.00	Circle	1.00	0.00	0.00
Ericsson RRU	Other	80.0	5.45	0.00	Square	1.00	0.00	0.00
10x4.6x4 Panel	Panel	20.0	0.50	0.00	Square	1.00	0.00	0.00
DB586-Y	Omni	10.0	0.40	0.00	Circle	1.00	0.00	0.00
8` Omni	Omni	160.0	1.60	0.00	Circle	1.00	0.00	0.00
12` Omni	Omni	170.0	2.40	0.00	Circle	1.00	0.00	0.00
Boom Gate	Mount	470.0	24.40	0.00	Square	1.00	0.00	0.00
Scala OGT9-806 w/ ice	Omni	22.7	1.98	0.00	Circle	1.00	0.00	0.00
Sinclair SC479-HF1LDF w/ ice	Omni	69.8	6.54	0.00	Circle	1.00	0.00	0.00
RFS APXVSPP18-C w/ ice	Panel	106.5	8.81	0.00	Square	1.00	0.00	0.00
ALU RRH	RRH	66.7	2.44	0.00	Square	1.00	0.00	0.00
6` Stand-Off	Mount	150.0	3.00	0.00	Square	1.00	0.00	0.00
Amphenol BXA-171063-8BF-EDIN-X	Panel	36.0	3.23	0.00	Square	1.00	0.00	0.00
Swedcom SLCP 2x6014	Panel	70.5	7.65	0.00	Square	1.00	0.00	0.00
Diplexer	Panel	10.0	0.50	0.00	Square	1.00	0.00	0.00
Raycap DB-T1-6Z-8AB-0Z Dist. Box	Panel	73.0	5.75	0.00	Square	1.00	0.00	0.00
Ericsson AIR B2A/B4P	Panel	124.0	6.40	0.00	Square	1.00	0.00	0.00
Decibel PD-420 2 bay - Dipole	Dipole	24.7	2.48	0.00	Square	1.00	0.00	0.00
Ericsson B4A/B12P Panel	Panel	269.0	12.63	0.00	Square	1.00	0.00	0.00

RRHU-11	RRH Unit	RRH	83.0	3.23	0.00			Square	1.00	0.00	0.00

Equipment Connectivity:

Equipment Label	Attach Label	Equipment Property Set	EIA Antenna Orientation Angle (deg)
Top-A	RohnAP	6` Stand-Off	0.00
Top-B	RohnA1	6` Stand-Off	120.00
Top-C1	RohnA2	6` Stand-Off	260.00
Top-C2	RohnA2	6` Stand-Off	220.00
CSP-3	RohnA2	Sinclair SC479-HF1LDF w/ ice	240.00
CSP-75	RohnAP	6` Dish with Radome	0.00
CSP-76	RohnA1	6` Dish with Radome	120.00
CSP-77	RohnA2	6` Dish with Radome	240.00
CSP-1	RohnA1	Scala OGT9-806 w/ ice	120.00
CSP-74	RohnA1	TMA	120.00
TOG-5	RohnAP	Andrew DB-583 w/ ice	0.00
NEU-55	RohnA2	Decibel PD-420 2 bay - Dipole	240.00
NEU-20	RohnA1	Decibel PD-420 2 bay - Dipole	120.00
CSP-67	RohnAa1	Sinclair SC479-HF1LDF w/ ice	0.00
CSP-31	RohnAaS	6` Dish with Radome	0.00
TOG-6	RohnAaS	DB586-Y	0.00
TOG-7	RohnAb1	6` Dish with Radome	120.00
CSP-4	RohnAc2	Sinclair SC479-HF1LDF w/ ice	240.00
CSP-2	RohnAc2	Scala OGT9-806 w/ ice	120.00
STAM-63	RohnAcS	10x4.6x4 Panel	0.00
SPD-9	RohnBP	GLF-940	0.00
159-A	RohnBP	3` Stand-Off	0.00
159-B	RohnB1	3` Stand-Off	120.00
STAM-65	RohnBP	10x4.6x4 Panel	0.00
CSP-70	RohnBP	Sinclair SC479-HF1LDF w/ ice	0.00
CSP-71	RohnB1	Sinclair SC479-HF1LDF w/ ice	120.00
CSP-72	RohnB2	Sinclair SC479-HF1LDF w/ ice	240.00
CSP-73	RohnB2	TMA	240.00
160	RohnBP	3` Stand-Off	0.00
STAM-64	RohnBP	TMA	0.00
ATT-A	RohnBbS	12` T-Arm	0.00
ATT-B	RohnBb1	12` T-Arm	120.00
ATT-C	RohnBb2	12` T-Arm	240.00
ATT-A1	RohnBbS	Powerwave 7770	0.00
ATT-A2	RohnBbS	Powerwave P65-16-XLH-RR	0.00
ATT-A3	RohnBbS	Powerwave 7770	0.00
ATT-A4	RohnBbS	Ericsson RRU	0.00
ATT-A5	RohnBbS	Ericsson RRU	0.00
ATT-A6	RohnBbS	TMA	0.00
ATT-A7	RohnBbS	TMA	0.00
ATT-A8	RohnBbS	TMA	0.00
ATT-A9	RohnBbS	TMA	0.00
ATT-A10	RohnBbS	Raycap Surge Suppressor	0.00
ATT-B1	RohnBb1	Powerwave 7770	120.00
ATT-B2	RohnBb1	Powerwave P65-16-XLH-RR	120.00
ATT-B3	RohnBb1	Powerwave 7770	120.00
ATT-B4	RohnBb1	Ericsson RRU	120.00
ATT-B5	RohnBb1	Ericsson RRU	120.00
ATT-B6	RohnBb1	TMA	120.00
ATT-B7	RohnBb1	TMA	120.00
ATT-B8	RohnBb1	TMA	120.00
ATT-B9	RohnBb1	TMA	120.00
ATT-C1	RohnBb2	Powerwave 7770	240.00
ATT-C2	RohnBb2	Powerwave P65-16-XLH-RR	240.00
ATT-C3	RohnBb2	Powerwave 7770	240.00
ATT-C4	RohnBb2	Ericsson RRU	240.00
ATT-C5	RohnBb2	Ericsson RRU	240.00

ATT-C6	RohnBb2		TMA	240.00
ATT-C7	RohnBb2		TMA	240.00
ATT-C8	RohnBb2		TMA	240.00
ATT-C9	RohnBb2		TMA	240.00
143-A	RohnBcS		3` Stand-Off	0.00
CSP-21	RohnC1		8` Omni	120.00
Sprint-A	RohnDP		12` T-Arm	0.00
Sprint-B	RohnD1		12` T-Arm	120.00
Sprint-C	RohnD2		12` T-Arm	240.00
Sprint-1	RohnDP	RFS APXVSPP18-C w/ ice		0.00
Sprint-2	RohnDP		ALU RRH	0.00
Sprint-3	RohnDP		ALU RRH	0.00
Sprint-4	RohnD1	RFS APXVSPP18-C w/ ice		120.00
Sprint-5	RohnD1		ALU RRH	120.00
Sprint-6	RohnD1		ALU RRH	120.00
Sprint-7	RohnD2	RFS APXVSPP18-C w/ ice		240.00
Sprint-8	RohnD2		ALU RRH	240.00
Sprint-9	RohnD2		ALU RRH	240.00
115-A	RohnDaS		3` Stand-Off	0.00
NEU-17	RohnDaS		12` Omni	0.00
85-A	RohnEbS		3` Stand-Off	0.00
CSP-66	RohnFP	RFS PD1142 w/ ice		0.00
DOT-56	RohnF1		Dipole	120.00
DEP-54	RohnF2	RFS PD1142 w/ ice		240.00
GPS-68	RohnG2		GPS	240.00
GPS-69	RohnG1		GPS	120.00
GPS-53	RohnIP		GPS	0.00
NEU-19	RohnCa1		DB586-Y	120.00
NEU-19-B	RohnCa1		TMA	120.00
NEU-18	RohnCbS		12` Omni	0.00
NEU-16	RohnDa1		8` Omni	120.00
Verizon-D1	RohnCaS		Diplexer	0.00
Verizon-D2	RohnCaS		Diplexer	0.00
Verizon-D3	RohnCa1		Diplexer	120.00
Verizon-D4	RohnCa1		Diplexer	120.00
Verizon-D5	RohnCa2		Diplexer	240.00
Verizon-D6	RohnCa2		Diplexer	240.00
Verizon-A	RohnCaS		Boom Gate	0.00
Verizon-B	RohnCa1		Boom Gate	120.00
Verizon-C	RohnCa2		Boom Gate	240.00
Verizon-1_700	RohnCaS	Swedcom SLCP 2x6014		0.00
Verizon-2_850	RohnCaS	Andrew DB844H80-XY		0.00
Verizon-3_850	RohnCaS	Andrew DB844H80-XY		0.00
Verizon-4_LTE	RohnCaS	Amphenol BXA-171063-8BF-EDIN-X		0.00
Verizon-5_PCS	RohnCaS	Amphenol BXA-171063-8BF-EDIN-X		0.00
Verizon-6_700	RohnCa1	Swedcom SLCP 2x6014		120.00
Verizon-7_850	RohnCa1	Andrew DB844H80-XY		120.00
Verizon-8_850	RohnCa1	Andrew DB844H80-XY		120.00
Verizon-9_LTE	RohnCa1	Amphenol BXA-171063-8BF-EDIN-X		120.00
Verizon-10_PCS	RohnCa1	Amphenol BXA-171063-8BF-EDIN-X		120.00
Verizon-11_700	RohnCa2	Swedcom SLCP 2x6014		240.00
Verizon-12_850	RohnCa2	Andrew DB844H80-XY		240.00
Verizon-13_850	RohnCa2	Andrew DB844H80-XY		240.00
Verizon-14_LTE	RohnCa2	Amphenol BXA-171063-8BF-EDIN-X		240.00
Verizon-15_PCS	RohnCa2	Amphenol BXA-171063-8BF-EDIN-X		240.00
Verizon-16_AWS	RohnCaS		ALU RRH	0.00
Verizon-17_AWS	RohnCa1		ALU RRH	120.00
Verizon-18_AWS	RohnCa2		ALU RRH	240.00
Verizon-22_AWS	RohnCa2	Raycap DB-T1-6Z-8AB-0Z Dist. Box		240.00
T-Mobile-1	RohnCP	Ericsson AIR B2A/B4P		0.00
T-Mobile-2	RohnCP	Ericsson B4A/B12P Panel		0.00
T-Mobile-3	RohnCP		TMA	0.00
T-Mobile-4	RohnC1	Ericsson AIR B2A/B4P		120.00
T-Mobile-5	RohnC1	Ericsson B4A/B12P Panel		120.00
T-Mobile-6	RohnC1		TMA	120.00
T-Mobile-7	RohnC2	Ericsson AIR B2A/B4P		240.00

T-Mobile-8	RohnC2	Ericsson B4A/B12P Panel	240.00
T-Mobile-9	RohnC2	TMA	240.00
T-Mobile-10	RohnC2	RRHU-11 RRH Unit	0.00
T-Mobile-11	RohnC2	RRHU-11 RRH Unit	120.00
T-Mobile-12	RohnC2	RRHU-11 RRH Unit	240.00

Linear Appurtenances:

Description	From (ft)	To (ft)	Quantity	Shape	Width or Diameter (in)	Perimeter (in)	Unit Weight (lbs/ft)	In Face Zone	Include in Wind Load
Full Cable Tray 2-150 (wind only)	2	150	2	Flat	24	0	0	Yes	Yes
Full Cable Tray 150-top (wind only)	150	180	1	Flat	24	0	0	Yes	Yes
1-5/8" @ 180`	2	180	3	Round	0	0	2.55	Yes	No
7/8" @ 180`	2	180	2	Round	0	0	1.52	Yes	No
1/2" @ 180`	2	180	1	Round	0	0	0.91	Yes	No
Ellipitical @ 175`	2	175	1	Round	0	0	2	Yes	No
1-5/8" @ 175`	2	175	2	Round	0	0	2.55	Yes	No
Ellipitical @ 170`	2	170	1	Round	0	0	2	Yes	No
7/8" @ 170`	2	170	1	Round	0	0	1.52	Yes	No
1-1/4" @ 165`	2	165	1	Round	0	0	1.91	Yes	No
7/8" @ 135` (relocated-NEU)	2	135	2	Round	0	0	1.52	Yes	No
Ellipitical @ 160`	2	160	1	Round	0	0	2	Yes	No
1-1/4" @ 160`	2	160	1	Round	0	0	1.91	Yes	No
3/8" @ 160`	2	160	1	Round	0	0	0.65	Yes	No
1-5/8" @ 160`	2	160	3	Round	0	0	2.55	Yes	No
1/2" @ 160`	2	160	1	Round	0	0	0.91	Yes	No
1-5/8" @ ATT	2	150	12	Round	0	0	2.55	Yes	No
Optic Fiber Cable @ ATT	2	150	1	Round	0	0	0.3	Yes	No
DC Cable @ ATT	2	150	2	Round	0	0	0.3	Yes	No
7/8" @ 130` (relocated-NEU)	2	130	1	Round	0	0	1.52	Yes	No
1-5/8" @ T-Mobile	2	140	13	Round	0	0	2.55	Yes	No
1-5/8" @ VZW	2	133.333	12	Round	0	0	2.55	Yes	No
Optic Fiber Cable @ VZW	2	133	1	Round	0	0	0.3	Yes	No
Hybriflex Cables @ Sprint	2	120	3	Round	0	0	0.37	Yes	No
7/8" @ 113`	2	113	1	Round	0	0	1.52	Yes	No
7/8" @ 80`	2	80	3	Round	0	0	1.52	Yes	No
1/2" @ 60`	2	60	2	Round	0	0	0.91	Yes	No
1/2" @ 20`	2	20	1	Round	0	0	0.91	Yes	No
7/8" @ 110` (relocated-NEU)	2	110	1	Round	0	0	1.52	Yes	No

*** Loads Data

Loads from file: p:\projects\telcom\structurals_by_location\connecticut\greenwichcsp#74\05-604#####-nss-035r1\nss-035.eia

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

EIA Rev. F Load Cases:

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

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

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	6` Stand-Off	180.00	37.72	0.50	3.00	90.00							0.00	-113.15	150.00
Top-B	6` Stand-Off	180.00	37.72	0.50	3.00	210.00							0.00	-113.15	150.00
Top-C1	6` Stand-Off	180.00	37.72	0.50	3.00	350.00							0.00	-113.15	150.00
Top-C2	6` Stand-Off	180.00	37.72	0.50	3.00	310.00							0.00	-113.15	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	330.00							0.00	-246.67	69.80
CSP-75	6` Dish with Radome	180.00	37.72	0.50	29.00	90.00							0.00	-1093.80	220.00
CSP-76	6` Dish with Radome	180.00	37.72	0.50	29.00	210.00							0.00	-1093.80	220.00
CSP-77	6` Dish with Radome	180.00	37.72	0.50	29.00	330.00							0.00	-1093.80	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	37.72	0.50	1.98	210.00							0.00	-74.68	22.70
CSP-74	TMA	180.00	37.72	0.50	1.00	210.00							0.00	-37.72	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	90.00							0.00	-26.78	11.60
NEU-55	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	330.00							0.00	-93.69	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	210.00							0.00	-93.69	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	37.41	0.50	6.54	90.00							0.00	-244.69	69.80
CSP-31	6` Dish with Radome	175.00	37.41	0.50	29.00	90.00							0.00	-1085.03	220.00
TOG-6	DB586-Y	175.00	37.41	0.50	0.40	90.00							0.00	-14.97	10.00
TOG-7	6` Dish with Radome	170.00	37.11	0.50	29.00	210.00							0.00	-1076.08	220.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	36.79	0.50	6.54	330.00							0.00	-240.61	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	36.79	0.50	1.98	210.00							0.00	-72.85	22.70
STAM-63	10x4.6x4 Panel	165.00	36.79	0.50	0.50	90.00							0.00	-18.40	20.00
SPD-9	GLF-940	160.00	36.47	0.50	20.00	90.00							0.00	-729.38	120.00
159-A	3` Stand-Off	160.00	36.47	0.50	1.50	90.00							0.00	-54.70	75.00
159-B	3` Stand-Off	160.00	36.47	0.50	1.50	210.00							0.00	-54.70	75.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	90.00							0.00	-18.23	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	90.00							0.00	-238.51	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	210.00							0.00	-238.51	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	330.00							0.00	-238.51	69.80
CSP-73	TMA	160.00	36.47	0.50	1.00	330.00							0.00	-36.47	15.00

160	3` Stand-Off	160.00	36.47	0.50	1.50	90.00	0.00	-54.70	75.00
STAM-64	TMA	160.00	36.47	0.50	1.00	90.00	0.00	-36.47	15.00
ATT-A	12` T-Arm	150.00	35.80	0.50	10.00	90.00	0.00	-358.03	600.00
ATT-B	12` T-Arm	150.00	35.80	0.50	10.00	210.00	0.00	-358.03	600.00
ATT-C	12` T-Arm	150.00	35.80	0.50	10.00	330.00	0.00	-358.03	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	90.00	0.00	-210.52	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	90.00	0.00	-300.74	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	90.00	0.00	-210.52	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	90.00	0.00	-195.12	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	90.00	0.00	-195.12	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	90.00	0.00	-35.80	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	90.00	0.00	-35.80	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	90.00	0.00	-35.80	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	90.00	0.00	-35.80	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	90.00	0.00	-45.47	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	210.00	0.00	-210.52	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	210.00	0.00	-300.74	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	210.00	0.00	-210.52	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	210.00	0.00	-195.12	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	210.00	0.00	-195.12	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	210.00	0.00	-35.80	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	330.00	0.00	-210.52	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	330.00	0.00	-300.74	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	330.00	0.00	-210.52	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	330.00	0.00	-195.12	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	330.00	0.00	-195.12	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	330.00	0.00	-35.80	15.00
143-A	3` Stand-Off	145.00	35.46	0.50	1.50	90.00	0.00	-53.19	75.00
CSP-21	8` Omni	140.00	35.10	0.50	1.60	210.00	0.00	-56.17	160.00
Sprint-A	12` T-Arm	120.00	33.59	0.50	10.00	90.00	0.00	-335.91	600.00
Sprint-B	12` T-Arm	120.00	33.59	0.50	10.00	210.00	0.00	-335.91	600.00
Sprint-C	12` T-Arm	120.00	33.59	0.50	10.00	330.00	0.00	-335.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	90.00	0.00	-295.94	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	90.00	0.00	-81.96	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	90.00	0.00	-81.96	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	210.00	0.00	-295.94	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	210.00	0.00	-81.96	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	210.00	0.00	-81.96	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	330.00	0.00	-295.94	106.50
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	330.00	0.00	-81.96	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	330.00	0.00	-81.96	66.70
115-A	3` Stand-Off	113.34	33.05	0.50	1.50	90.00	0.00	-49.57	75.00
NEU-17	12` Omni	113.34	33.05	0.50	2.40	90.00	0.00	-79.31	170.00
85-A	3` Stand-Off	86.66	30.61	0.50	1.50	90.00	0.00	-45.91	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	90.00	0.00	-83.77	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	210.00	0.00	-179.50	71.00
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	330.00	0.00	-83.77	21.50
GPS-68	GPS	60.00	27.56	0.50	1.00	330.00	0.00	-27.56	20.00
GPS-69	GPS	60.00	27.56	0.50	1.00	210.00	0.00	-27.56	20.00
GPS-53	GPS	20.00	23.23	0.50	1.00	90.00	0.00	-23.23	20.00
NEU-19	DB586-Y	133.34	34.62	0.50	0.40	210.00	0.00	-13.85	10.00
NEU-19-B	TMA	133.34	34.62	0.50	1.00	210.00	0.00	-34.62	15.00
NEU-18	12` Omni	126.66	34.11	0.50	2.40	90.00	0.00	-81.87	170.00
NEU-16	8` Omni	113.34	33.05	0.50	1.60	210.00	0.00	-52.88	160.00
Verizon-D1	Diplexer	133.34	34.62	0.50	0.50	90.00	0.00	-17.31	10.00
Verizon-D2	Diplexer	133.34	34.62	0.50	0.50	90.00	0.00	-17.31	10.00
Verizon-D3	Diplexer	133.34	34.62	0.50	0.50	210.00	0.00	-17.31	10.00
Verizon-D4	Diplexer	133.34	34.62	0.50	0.50	210.00	0.00	-17.31	10.00
Verizon-D5	Diplexer	133.34	34.62	0.50	0.50	330.00	0.00	-17.31	10.00
Verizon-D6	Diplexer	133.34	34.62	0.50	0.50	330.00	0.00	-17.31	10.00

Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	90.00	0.00	-844.69	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	210.00	0.00	-844.69	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	330.00	0.00	-844.69	470.00
Verizon-1_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	90.00	0.00	-264.83	70.50
Verizon-2_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	90.00	0.00	-123.93	40.00
Verizon-3_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	90.00	0.00	-123.93	40.00
Verizon-4_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	90.00	0.00	-111.82	36.00
Verizon-5_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	90.00	0.00	-111.82	36.00
Verizon-6_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	210.00	0.00	-264.83	70.50
Verizon-7_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	210.00	0.00	-123.93	40.00
Verizon-8_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	210.00	0.00	-123.93	40.00
Verizon-9_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	210.00	0.00	-111.82	36.00
Verizon-10_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	210.00	0.00	-111.82	36.00
Verizon-11_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	330.00	0.00	-264.83	70.50
Verizon-12_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	330.00	0.00	-123.93	40.00
Verizon-13_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	330.00	0.00	-123.93	40.00
Verizon-14_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	330.00	0.00	-111.82	36.00
Verizon-15_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	330.00	0.00	-111.82	36.00
Verizon-16_AWS	ALU RRH	133.34	34.62	0.50	2.44	90.00	0.00	-84.47	66.70
Verizon-17_AWS	ALU RRH	133.34	34.62	0.50	2.44	210.00	0.00	-84.47	66.70
Verizon-18_AWS	ALU RRH	133.34	34.62	0.50	2.44	330.00	0.00	-84.47	66.70
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z Dist. Box	133.34	34.62	0.50	5.75	330.00	0.00	-199.06	73.00
T-Mobile-1	Ericsson AIR B2A/B4P	140.00	35.10	0.50	6.40	90.00	0.00	-224.66	124.00
T-Mobile-2	Ericsson B4A/B12P Panel	140.00	35.10	0.50	12.63	90.00	0.00	-443.40	269.00
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	90.00	0.00	-35.10	15.00
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 B4A/B12P Panel	140.00	35.10	0.50	12.63	210.00	0.00	-443.40	269.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	210.00	0.00	-35.10	15.00
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 B4A/B12P Panel	140.00	35.10	0.50	12.63	330.00	0.00	-443.40	269.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	330.00	0.00	-35.10	15.00
T-Mobile-10	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	90.00	0.00	-113.39	83.00
T-Mobile-11	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	210.00	0.00	-113.39	83.00
T-Mobile-12	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	330.00	0.00	-113.39	83.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.85	1.00	0.75	1.81	78.5	5266	0.00	2.00	0.00	1.20	0.00	0	5266	4851
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.85	1.00	0.79	1.78	103.2	6581	0.00	2.00	0.00	1.20	0.00	0	6581	6251
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.85	1.00	0.80	1.78	123.2	7521	0.00	2.00	0.00	1.20	0.00	0	7521	8612
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.85	1.00	0.78	1.78	131.0	7652	0.00	2.00	0.00	1.20	0.00	0	7652	10139
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	0.85	1.00	0.77	1.79	141.6	7833	0.00	2.00	0.00	1.20	0.00	0	7833	13099
F	80.00	60.00	70.00	28.80	0.50	109.32	64.43	47.75	300.0	0.58	0.85	1.00	0.74	1.82	140.7	7366	0.00	2.00	0.00	1.20	0.00	0	7366	13715
G	60.00	40.00	50.00	26.16	0.50	111.79	71.66	52.33	327.3	0.56	0.85	1.00	0.73	1.83	147.3	7068	0.00	2.00	0.00	1.20	0.00	0	7068	15628
H	40.00	20.00	30.00	23.23	0.50	117.39	72.90	52.26	354.6	0.54	0.85	1.00	0.72	1.86	152.0	6558	0.00	2.00	0.00	1.20	0.00	0	6558	16409
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	0.85	1.00	0.71	1.88	156.7	6837	0.00	2.00	0.00	1.20	0.00	0	6837	17608

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

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	6` Stand-Off	180.00	37.72	0.50	3.00	60.00							56.58	-97.99	150.00
Top-B	6` Stand-Off	180.00	37.72	0.50	3.00	180.00							56.58	-97.99	150.00
Top-C1	6` Stand-Off	180.00	37.72	0.50	3.00	320.00							56.58	-97.99	150.00
Top-C2	6` Stand-Off	180.00	37.72	0.50	3.00	280.00							56.58	-97.99	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	300.00							123.34	-213.62	69.80
CSP-75	6` Dish with Radome	180.00	37.72	0.50	29.00	60.00							546.90	-947.26	220.00
CSP-76	6` Dish with Radome	180.00	37.72	0.50	29.00	180.00							546.90	-947.26	220.00

CSP-77	6` Dish with Radome	180.00	37.72	0.50	29.00	300.00	546.90	-947.26	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	37.72	0.50	1.98	180.00	37.34	-64.67	22.70
CSP-74	TMA	180.00	37.72	0.50	1.00	180.00	18.86	-32.66	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	60.00	13.39	-23.19	11.60
NEU-55	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	300.00	46.84	-81.14	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	180.00	46.84	-81.14	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	37.41	0.50	6.54	60.00	122.35	-211.91	69.80
CSP-31	6` Dish with Radome	175.00	37.41	0.50	29.00	60.00	542.51	-939.66	220.00
TOG-6	DB586-Y	175.00	37.41	0.50	0.40	60.00	7.48	-12.96	10.00
TOG-7	6` Dish with Radome	170.00	37.11	0.50	29.00	180.00	538.04	-931.91	220.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	36.79	0.50	6.54	300.00	120.31	-208.38	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	36.79	0.50	1.98	180.00	36.42	-63.09	22.70
STAM-63	10x4.6x4 Panel	165.00	36.79	0.50	0.50	60.00	9.20	-15.93	20.00
SPD-9	GLF-940	160.00	36.47	0.50	20.00	60.00	364.69	-631.66	120.00
159-A	3` Stand-Off	160.00	36.47	0.50	1.50	60.00	27.35	-47.37	75.00
159-B	3` Stand-Off	160.00	36.47	0.50	1.50	180.00	27.35	-47.37	75.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	60.00	9.12	-15.79	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	60.00	119.25	-206.55	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	180.00	119.25	-206.55	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	300.00	119.25	-206.55	69.80
CSP-73	TMA	160.00	36.47	0.50	1.00	300.00	18.23	-31.58	15.00
160	3` Stand-Off	160.00	36.47	0.50	1.50	60.00	27.35	-47.37	75.00
STAM-64	TMA	160.00	36.47	0.50	1.00	60.00	18.23	-31.58	15.00
ATT-A	12` T-Arm	150.00	35.80	0.50	10.00	60.00	179.01	-310.06	600.00
ATT-B	12` T-Arm	150.00	35.80	0.50	10.00	180.00	179.01	-310.06	600.00
ATT-C	12` T-Arm	150.00	35.80	0.50	10.00	300.00	179.01	-310.06	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	60.00	105.26	-182.32	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	60.00	150.37	-260.45	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	60.00	105.26	-182.32	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	60.00	97.56	-168.98	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	60.00	97.56	-168.98	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	60.00	17.90	-31.01	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	60.00	17.90	-31.01	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	60.00	17.90	-31.01	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	60.00	17.90	-31.01	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	60.00	22.73	-39.38	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	180.00	105.26	-182.32	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	180.00	150.37	-260.45	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	180.00	105.26	-182.32	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	180.00	97.56	-168.98	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	180.00	97.56	-168.98	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	180.00	17.90	-31.01	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	180.00	17.90	-31.01	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	180.00	17.90	-31.01	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	180.00	17.90	-31.01	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	300.00	105.26	-182.32	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	300.00	150.37	-260.45	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	300.00	105.26	-182.32	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	300.00	97.56	-168.98	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	300.00	97.56	-168.98	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	300.00	17.90	-31.01	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	300.00	17.90	-31.01	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	300.00	17.90	-31.01	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	300.00	17.90	-31.01	15.00
143-A	3` Stand-Off	145.00	35.46	0.50	1.50	60.00	26.59	-46.06	75.00
CSP-21	8` Omni	140.00	35.10	0.50	1.60	180.00	28.08	-48.64	160.00
Sprint-A	12` T-Arm	120.00	33.59	0.50	10.00	60.00	167.96	-290.91	600.00
Sprint-B	12` T-Arm	120.00	33.59	0.50	10.00	180.00	167.96	-290.91	600.00
Sprint-C	12` T-Arm	120.00	33.59	0.50	10.00	300.00	167.96	-290.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	60.00	147.97	-256.29	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	60.00	40.98	-70.98	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	60.00	40.98	-70.98	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	180.00	147.97	-256.29	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	180.00	40.98	-70.98	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	180.00	40.98	-70.98	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	300.00	147.97	-256.29	106.50

Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	300.00	40.98	-70.98	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	300.00	40.98	-70.98	66.70
115-A	3` Stand-Off	113.34	33.05	0.50	1.50	60.00	24.79	-42.93	75.00
NEU-17	12` Omni	113.34	33.05	0.50	2.40	60.00	39.66	-68.69	170.00
85-A	3` Stand-Off	86.66	30.61	0.50	1.50	60.00	22.96	-39.76	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	60.00	41.88	-72.54	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	180.00	89.75	-155.45	71.00
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	300.00	41.88	-72.54	21.50
GPS-68	GPS	60.00	27.56	0.50	1.00	300.00	13.78	-23.86	20.00
GPS-69	GPS	60.00	27.56	0.50	1.00	180.00	13.78	-23.86	20.00
GPS-53	GPS	20.00	23.23	0.50	1.00	60.00	11.61	-20.12	20.00
NEU-19	DB586-Y	133.34	34.62	0.50	0.40	180.00	6.92	-11.99	10.00
NEU-19-B	TMA	133.34	34.62	0.50	1.00	180.00	17.31	-29.98	15.00
NEU-18	12` Omni	126.66	34.11	0.50	2.40	60.00	40.94	-70.90	170.00
NEU-16	8` Omni	113.34	33.05	0.50	1.60	180.00	26.44	-45.79	160.00
Verizon-D1	Diplexer	133.34	34.62	0.50	0.50	60.00	8.65	-14.99	10.00
Verizon-D2	Diplexer	133.34	34.62	0.50	0.50	60.00	8.65	-14.99	10.00
Verizon-D3	Diplexer	133.34	34.62	0.50	0.50	180.00	8.65	-14.99	10.00
Verizon-D4	Diplexer	133.34	34.62	0.50	0.50	180.00	8.65	-14.99	10.00
Verizon-D5	Diplexer	133.34	34.62	0.50	0.50	300.00	8.65	-14.99	10.00
Verizon-D6	Diplexer	133.34	34.62	0.50	0.50	300.00	8.65	-14.99	10.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	60.00	422.34	-731.52	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	180.00	422.34	-731.52	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	300.00	422.34	-731.52	470.00
Verizon-1_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	60.00	132.42	-229.35	70.50
Verizon-2_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00	61.97	-107.33	40.00
Verizon-3_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00	61.97	-107.33	40.00
Verizon-4_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	60.00	55.91	-96.84	36.00
Verizon-5_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	60.00	55.91	-96.84	36.00
Verizon-6_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	180.00	132.42	-229.35	70.50
Verizon-7_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00	61.97	-107.33	40.00
Verizon-8_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00	61.97	-107.33	40.00
Verizon-9_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	180.00	55.91	-96.84	36.00
Verizon-10_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	180.00	55.91	-96.84	36.00
Verizon-11_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	300.00	132.42	-229.35	70.50
Verizon-12_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00	61.97	-107.33	40.00
Verizon-13_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00	61.97	-107.33	40.00
Verizon-14_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	300.00	55.91	-96.84	36.00
Verizon-15_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	300.00	55.91	-96.84	36.00
Verizon-16_AWS	ALU RRH	133.34	34.62	0.50	2.44	60.00	42.23	-73.15	66.70
Verizon-17_AWS	ALU RRH	133.34	34.62	0.50	2.44	180.00	42.23	-73.15	66.70
Verizon-18_AWS	ALU RRH	133.34	34.62	0.50	2.44	300.00	42.23	-73.15	66.70
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z Dist. Box	133.34	34.62	0.50	5.75	300.00	99.53	-172.39	73.00
T-Mobile-1	Ericsson AIR B2A/B4P	140.00	35.10	0.50	6.40	60.00	112.33	-194.57	124.00
T-Mobile-2	Ericsson B4A/B12P Panel	140.00	35.10	0.50	12.63	60.00	221.70	-384.00	269.00
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	60.00	17.55	-30.40	15.00
T-Mobile-4	Ericsson AIR B2A/B4P	140.00	35.10	0.50	6.40	180.00	112.33	-194.57	124.00
T-Mobile-5	Ericsson B4A/B12P Panel	140.00	35.10	0.50	12.63	180.00	221.70	-384.00	269.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	180.00	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 B4A/B12P Panel	140.00	35.10	0.50	12.63	300.00	221.70	-384.00	269.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	300.00	17.55	-30.40	15.00
T-Mobile-10	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	60.00	56.70	-98.20	83.00
T-Mobile-11	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	180.00	56.70	-98.20	83.00
T-Mobile-12	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	300.00	56.70	-98.20	83.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.80	1.00	0.75	1.81	75.6	5076	0.00	2.00	0.00	1.20	0.00	0	5076	4851
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.80	1.00	0.79	1.78	99.4	6337	0.00	2.00	0.00	1.20	0.00	0	6337	6251
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.80	1.00	0.80	1.78	118.3	7222	0.00	2.00	0.00	1.20	0.00	0	7222	8612
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.80	1.00	0.78	1.78	126.0	7359	0.00	2.00	0.00	1.20	0.00	0	7359	10139

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	13099
F	80.00	60.00	70.00	28.80	0.50	109.32	64.43	47.75	300.0	0.58	0.80	1.00	0.74	1.82	135.2	7080	0.00	2.00	0.00	1.20	0.00	0	7080	13715
G	60.00	40.00	50.00	26.16	0.50	111.79	71.66	52.33	327.3	0.56	0.80	1.00	0.73	1.83	141.8	6800	0.00	2.00	0.00	1.20	0.00	0	6800	15628
H	40.00	20.00	30.00	23.23	0.50	117.39	72.90	52.26	354.6	0.54	0.80	1.00	0.72	1.86	146.2	6305	0.00	2.00	0.00	1.20	0.00	0	6305	16409
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	17608

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

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	6` Stand-Off	180.00	37.72	0.50	3.00	0.00							113.15	0.00	150.00
Top-B	6` Stand-Off	180.00	37.72	0.50	3.00	120.00							113.15	0.00	150.00
Top-C1	6` Stand-Off	180.00	37.72	0.50	3.00	260.00							113.15	0.00	150.00
Top-C2	6` Stand-Off	180.00	37.72	0.50	3.00	220.00							113.15	0.00	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	240.00							246.67	0.00	69.80
CSP-75	6' Dish with Radome	180.00	37.72	0.50	29.00	0.00							1093.80	0.00	220.00
CSP-76	6` Dish with Radome	180.00	37.72	0.50	29.00	120.00							1093.80	0.00	220.00
CSP-77	6` Dish with Radome	180.00	37.72	0.50	29.00	240.00							1093.80	0.00	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	37.72	0.50	1.98	120.00							74.68	0.00	22.70
CSP-74	TMA	180.00	37.72	0.50	1.00	120.00							37.72	0.00	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	0.00							26.78	0.00	11.60
NEU-55	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	240.00							93.69	0.00	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	120.00							93.69	0.00	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	37.41	0.50	6.54	0.00							244.69	0.00	69.80
CSP-31	6` Dish with Radome	175.00	37.41	0.50	29.00	0.00							1085.03	0.00	220.00
TOG-6	DB586-Y	175.00	37.41	0.50	0.40	0.00							14.97	0.00	10.00
TOG-7	6` Dish with Radome	170.00	37.11	0.50	29.00	120.00							1076.08	0.00	220.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	36.79	0.50	6.54	240.00							240.61	0.00	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	36.79	0.50	1.98	120.00							72.85	0.00	22.70
STAM-63	10x4.6x4 Panel	165.00	36.79	0.50	0.50	0.00							18.40	0.00	20.00
SPD-9	GLF-940	160.00	36.47	0.50	20.00	0.00							729.38	0.00	120.00
159-A	3` Stand-Off	160.00	36.47	0.50	1.50	0.00							54.70	0.00	75.00
159-B	3` Stand-Off	160.00	36.47	0.50	1.50	120.00							54.70	0.00	75.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	0.00							18.23	0.00	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	0.00							238.51	0.00	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	120.00							238.51	0.00	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	240.00							238.51	0.00	69.80
CSP-73	TMA	160.00	36.47	0.50	1.00	240.00							36.47	0.00	15.00
160	3` Stand-Off	160.00	36.47	0.50	1.50	0.00							54.70	0.00	75.00
STAM-64	TMA	160.00	36.47	0.50	1.00	0.00							36.47	0.00	15.00
ATT-A	12` T-Arm	150.00	35.80	0.50	10.00	0.00							358.03	0.00	600.00
ATT-B	12` T-Arm	150.00	35.80	0.50	10.00	120.00							358.03	0.00	600.00
ATT-C	12` T-Arm	150.00	35.80	0.50	10.00	240.00							358.03	0.00	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	0.00							210.52	0.00	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	0.00							300.74	0.00	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	0.00							210.52	0.00	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	0.00							195.12	0.00	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	0.00							195.12	0.00	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	0.00							35.80	0.00	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	0.00							35.80	0.00	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	0.00							35.80	0.00	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	0.00							35.80	0.00	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	0.00							45.47	0.00	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	120.00							210.52	0.00	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	120.00							300.74	0.00	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	120.00							210.52	0.00	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	120.00							195.12	0.00	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	120.00							195.12	0.00	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	120.00							35.80	0.00	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	120.00							35.80	0.00	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	120.00							35.80	0.00	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	120.00							35.80	0.00	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	240.00							210.52	0.00	35.00

ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	240.00	300.74	0.00	65.00		
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	240.00	210.52	0.00	35.00		
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	240.00	195.12	0.00	80.00		
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	240.00	195.12	0.00	80.00		
ATT-C6	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00		
ATT-C7	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00		
ATT-C8	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00		
ATT-C9	TMA	150.00	35.80	0.50	1.00	240.00	35.80	0.00	15.00		
143-A	3' Stand-Off	145.00	35.46	0.50	1.50	0.00	53.19	0.00	75.00		
CSP-21	8` Omni	140.00	35.10	0.50	1.60	120.00	56.17	0.00	160.00		
Sprint-A	12` T-Arm	120.00	33.59	0.50	10.00	0.00	335.91	0.00	600.00		
Sprint-B	12' T-Arm	120.00	33.59	0.50	10.00	120.00	335.91	0.00	600.00		
Sprint-C	12` T-Arm	120.00	33.59	0.50	10.00	240.00	335.91	0.00	600.00		
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	0.00	295.94	0.00	106.50		
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	0.00	81.96	0.00	66.70		
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	0.00	81.96	0.00	66.70		
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	120.00	295.94	0.00	106.50		
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	120.00	81.96	0.00	66.70		
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	120.00	81.96	0.00	66.70		
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	240.00	295.94	0.00	106.50		
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	240.00	81.96	0.00	66.70		
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	240.00	81.96	0.00	66.70		
115-A	3` Stand-Off	113.34	33.05	0.50	1.50	0.00	49.57	0.00	75.00		
NEU-17	12` Omni	113.34	33.05	0.50	2.40	0.00	79.31	0.00	170.00		
85-A	3` Stand-Off	86.66	30.61	0.50	1.50	0.00	45.91	0.00	75.00		
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	0.00	83.77	0.00	21.50		
DOT-56	Dipole	80.00	29.92	0.50	6.00	120.00	179.50	0.00	71.00		
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	240.00	83.77	0.00	21.50		
GPS-68	GPS	60.00	27.56	0.50	1.00	240.00	27.56	0.00	20.00		
GPS-69	GPS	60.00	27.56	0.50	1.00	120.00	27.56	0.00	20.00		
GPS-53	GPS	20.00	23.23	0.50	1.00	0.00	23.23	0.00	20.00		
NEU-19	DB586-Y	133.34	34.62	0.50	0.40	120.00	13.85	0.00	10.00		
NEU-19-B	TMA	133.34	34.62	0.50	1.00	120.00	34.62	0.00	15.00		
NEU-18	12` Omni	126.66	34.11	0.50	2.40	0.00	81.87	0.00	170.00		
NEU-16	8` Omni	113.34	33.05	0.50	1.60	120.00	52.88	0.00	160.00		
Verizon-D1	Diplexer	133.34	34.62	0.50	0.50	0.00	17.31	0.00	10.00		
Verizon-D2	Diplexer	133.34	34.62	0.50	0.50	0.00	17.31	0.00	10.00		
Verizon-D3	Diplexer	133.34	34.62	0.50	0.50	120.00	17.31	0.00	10.00		
Verizon-D4	Diplexer	133.34	34.62	0.50	0.50	120.00	17.31	0.00	10.00		
Verizon-D5	Diplexer	133.34	34.62	0.50	0.50	240.00	17.31	0.00	10.00		
Verizon-D6	Diplexer	133.34	34.62	0.50	0.50	240.00	17.31	0.00	10.00		
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	0.00	844.69	0.00	470.00		
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	120.00	844.69	0.00	470.00		
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	240.00	844.69	0.00	470.00		
Verizon-1_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	0.00	264.83	0.00	70.50		
Verizon-2_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	0.00	123.93	0.00	40.00		
Verizon-3_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	0.00	123.93	0.00	40.00		
Verizon-4_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	0.00	111.82	0.00	36.00		
Verizon-5_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	0.00	111.82	0.00	36.00		
Verizon-6_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	120.00	264.83	0.00	70.50		
Verizon-7_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	120.00	123.93	0.00	40.00		
Verizon-8_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	120.00	123.93	0.00	40.00		
Verizon-9_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	120.00	111.82	0.00	36.00		
Verizon-10_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	120.00	111.82	0.00	36.00		
Verizon-11_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	240.00	264.83	0.00	70.50		
Verizon-12_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	240.00	123.93	0.00	40.00		
Verizon-13_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	240.00	123.93	0.00	40.00		
Verizon-14_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	240.00	111.82	0.00	36.00		
Verizon-15_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	240.00	111.82	0.00	36.00		
Verizon-16_AWS	ALU RRH	133.34	34.62	0.50	2.44	0.00	84.47	0.00	66.70		
Verizon-17_AWS	ALU RRH	133.34	34.62	0.50	2.44	120.00	84.47	0.00	66.70		
Verizon-18_AWS	ALU RRH	133.34	34.62	0.50	2.44	240.00	84.47	0.00	66.70		
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z Dist. Box	133.34	34.62	0.50	5.75	240.00	199.06	0.00	73.00		
T-Mobile-1	Ericsson AIR B2A/B4P	140.00	35.10	0.50	6.40	0.00	224.66	0.00	124.00		
T-Mobile-2	Ericsson B4A/B12P Panel	140.00	35.10	0.50	12.63	0.00	443.40	0.00	269.00		
T-Mobile-3	TMA	140.00	35.10	0.50	1.00	0.00	35.10	0.00	15.00		

T-Mobile-4	Ericsson AIR B2A/B4P	140.00	35.10	0.50	6.40	120.00																	224.66	0.00	124.00
T-Mobile-5	Ericsson B4A/B12P Panel	140.00	35.10	0.50	12.63	120.00																	443.40	0.00	269.00
T-Mobile-6	TMA	140.00	35.10	0.50	1.00	120.00																	35.10	0.00	15.00
T-Mobile-7	Ericsson AIR B2A/B4P	140.00	35.10	0.50	6.40	240.00																	224.66	0.00	124.00
T-Mobile-8	Ericsson B4A/B12P Panel	140.00	35.10	0.50	12.63	240.00																	443.40	0.00	269.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	240.00																	35.10	0.00	15.00
T-Mobile-10	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	0.00																	113.39	0.00	83.00
T-Mobile-11	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	120.00																	113.39	0.00	83.00
T-Mobile-12	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	240.00																	113.39	0.00	83.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	1.00	1.00	0.75	1.81	87.0	5835	0.00	2.00	0.00	1.20	0.00	0	5835	4851
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	1.00	1.00	0.79	1.78	114.7	7312	0.00	2.00	0.00	1.20	0.00	0	7312	6251
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	1.00	1.00	0.80	1.78	137.8	8416	0.00	2.00	0.00	1.20	0.00	0	8416	8612
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	1.00	1.00	0.78	1.78	146.0	8530	0.00	2.00	0.00	1.20	0.00	0	8530	10139
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	1.00	1.00	0.77	1.79	158.0	8738	0.00	2.00	0.00	1.20	0.00	0	8738	13099
F	80.00	60.00	70.00	28.80	0.50	109.32	64.43	47.75	300.0	0.58	1.00	1.00	0.74	1.82	157.1	8225	0.00	2.00	0.00	1.20	0.00	0	8225	13715
G	60.00	40.00	50.00	26.16	0.50	111.79	71.66	52.33	327.3	0.56	1.00	1.00	0.73	1.83	164.1	7872	0.00	2.00	0.00	1.20	0.00	0	7872	15628
H	40.00	20.00	30.00	23.23	0.50	117.39	72.90	52.26	354.6	0.54	1.00	1.00	0.72	1.86	169.7	7318	0.00	2.00	0.00	1.20	0.00	0	7318	16409
I	20.00	0.00	10.00	23.23	0.50	118.53	79.21	55.98	381.9	0.52	1.00	1.00	0.71	1.88	174.5	7613	0.00	2.00	0.00	1.20	0.00	0	7613	17608

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

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	6` Stand-Off	180.00	37.72	0.50	3.00	300.00							56.58	97.99	150.00
Top-B	6` Stand-Off	180.00	37.72	0.50	3.00	60.00							56.58	97.99	150.00
Top-C1	6` Stand-Off	180.00	37.72	0.50	3.00	200.00							56.58	97.99	150.00
Top-C2	6` Stand-Off	180.00	37.72	0.50	3.00	160.00							56.58	97.99	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	180.00							123.34	213.62	69.80
CSP-75	6` Dish with Radome	180.00	37.72	0.50	29.00	300.00							546.90	947.26	220.00
CSP-76	6` Dish with Radome	180.00	37.72	0.50	29.00	60.00							546.90	947.26	220.00
CSP-77	6` Dish with Radome	180.00	37.72	0.50	29.00	180.00							546.90	947.26	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	37.72	0.50	1.98	60.00							37.34	64.67	22.70
CSP-74	TMA	180.00	37.72	0.50	1.00	60.00							18.86	32.66	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	300.00							13.39	23.19	11.60
NEU-55	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	180.00							46.84	81.14	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	60.00							46.84	81.14	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	37.41	0.50	6.54	300.00							122.35	211.91	69.80
CSP-31	6` Dish with Radome	175.00	37.41	0.50	29.00	300.00							542.51	939.66	220.00
TOG-6	DB586-Y	175.00	37.41	0.50	0.40	300.00							7.48	12.96	10.00
TOG-7	6` Dish with Radome	170.00	37.11	0.50	29.00	60.00							538.04	931.91	220.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	36.79	0.50	6.54	180.00							120.31	208.38	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	36.79	0.50	1.98	60.00							36.42	63.09	22.70
STAM-63	10x4.6x4 Panel	165.00	36.79	0.50	0.50	300.00							9.20	15.93	20.00
SPD-9	GLF-940	160.00	36.47	0.50	20.00	300.00							364.69	631.66	120.00
159-A	3` Stand-Off	160.00	36.47	0.50	1.50	300.00							27.35	47.37	75.00
159-B	3` Stand-Off	160.00	36.47	0.50	1.50	60.00							27.35	47.37	75.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	300.00							9.12	15.79	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	300.00							119.25	206.55	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	60.00							119.25	206.55	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	180.00							119.25	206.55	69.80
CSP-73	TMA	160.00	36.47	0.50	1.00	180.00							18.23	31.58	15.00
160	3` Stand-Off	160.00	36.47	0.50	1.50	300.00							27.35	47.37	75.00
STAM-64	TMA	160.00	36.47	0.50	1.00	300.00							18.23	31.58	15.00
ATT-A	12` T-Arm	150.00	35.80	0.50	10.00	300.00							179.01	310.06	600.00
ATT-B	12` T-Arm	150.00	35.80	0.50	10.00	60.00							179.01	310.06	600.00

ATT-C	12` T-Arm	150.00	35.80	0.50	10.00	180.00	179.01	310.06	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	300.00	105.26	182.32	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	300.00	150.37	260.45	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	300.00	105.26	182.32	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	300.00	97.56	168.98	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	300.00	97.56	168.98	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	300.00	17.90	31.01	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	300.00	22.73	39.38	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	60.00	105.26	182.32	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	60.00	150.37	260.45	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	60.00	105.26	182.32	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	60.00	97.56	168.98	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	60.00	97.56	168.98	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	60.00	17.90	31.01	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	180.00	105.26	182.32	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	180.00	150.37	260.45	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	180.00	105.26	182.32	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	180.00	97.56	168.98	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	180.00	97.56	168.98	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	180.00	17.90	31.01	15.00
143-A	3` Stand-Off	145.00	35.46	0.50	1.50	300.00	26.59	46.06	75.00
CSP-21	8` Omni	140.00	35.10	0.50	1.60	60.00	28.08	48.64	160.00
Sprint-A	12` T-Arm	120.00	33.59	0.50	10.00	300.00	167.96	290.91	600.00
Sprint-B	12` T-Arm	120.00	33.59	0.50	10.00	60.00	167.96	290.91	600.00
Sprint-C	12` T-Arm	120.00	33.59	0.50	10.00	180.00	167.96	290.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	300.00	147.97	256.29	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	300.00	40.98	70.98	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	300.00	40.98	70.98	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	60.00	147.97	256.29	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	60.00	40.98	70.98	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	60.00	40.98	70.98	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	180.00	147.97	256.29	106.50
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	180.00	40.98	70.98	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	180.00	40.98	70.98	66.70
115-A	3` Stand-Off	113.34	33.05	0.50	1.50	300.00	24.79	42.93	75.00
NEU-17	12` Omni	113.34	33.05	0.50	2.40	300.00	39.66	68.69	170.00
85-A	3` Stand-Off	86.66	30.61	0.50	1.50	300.00	22.96	39.76	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	300.00	41.88	72.54	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	60.00	89.75	155.45	71.00
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	180.00	41.88	72.54	21.50
GPS-68	GPS	60.00	27.56	0.50	1.00	180.00	13.78	23.86	20.00
GPS-69	GPS	60.00	27.56	0.50	1.00	60.00	13.78	23.86	20.00
GPS-53	GPS	20.00	23.23	0.50	1.00	300.00	11.61	20.12	20.00
NEU-19	DB586-Y	133.34	34.62	0.50	0.40	60.00	6.92	11.99	10.00
NEU-19-B	TMA	133.34	34.62	0.50	1.00	60.00	17.31	29.98	15.00
NEU-18	12` Omni	126.66	34.11	0.50	2.40	300.00	40.94	70.90	170.00
NEU-16	8` Omni	113.34	33.05	0.50	1.60	60.00	26.44	45.79	160.00
Verizon-D1	Diplexer	133.34	34.62	0.50	0.50	300.00	8.65	14.99	10.00
Verizon-D2	Diplexer	133.34	34.62	0.50	0.50	300.00	8.65	14.99	10.00
Verizon-D3	Diplexer	133.34	34.62	0.50	0.50	60.00	8.65	14.99	10.00
Verizon-D4	Diplexer	133.34	34.62	0.50	0.50	60.00	8.65	14.99	10.00
Verizon-D5	Diplexer	133.34	34.62	0.50	0.50	180.00	8.65	14.99	10.00
Verizon-D6	Diplexer	133.34	34.62	0.50	0.50	180.00	8.65	14.99	10.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	300.00	422.34	731.52	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	60.00	422.34	731.52	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	180.00	422.34	731.52	470.00
Verizon-1_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	300.00	132.42	229.35	70.50

Verizon-2_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00	61.97	107.33	40.00
Verizon-3_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	300.00	61.97	107.33	40.00
Verizon-4_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	300.00	55.91	96.84	36.00
Verizon-5_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	300.00	55.91	96.84	36.00
Verizon-6_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	60.00	132.42	229.35	70.50
Verizon-7_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00	61.97	107.33	40.00
Verizon-8_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	60.00	61.97	107.33	40.00
Verizon-9_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	60.00	55.91	96.84	36.00
Verizon-10_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	60.00	55.91	96.84	36.00
Verizon-11_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	180.00	132.42	229.35	70.50
Verizon-12_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00	61.97	107.33	40.00
Verizon-13_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	180.00	61.97	107.33	40.00
Verizon-14_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	180.00	55.91	96.84	36.00
Verizon-15_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	180.00	55.91	96.84	36.00
Verizon-16_AWS	ALU RRH	133.34	34.62	0.50	2.44	300.00	42.23	73.15	66.70
Verizon-17_AWS	ALU RRH	133.34	34.62	0.50	2.44	60.00	42.23	73.15	66.70
Verizon-18_AWS	ALU RRH	133.34	34.62	0.50	2.44	180.00	42.23	73.15	66.70
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z Dist. Box	133.34	34.62	0.50	5.75	180.00	99.53	172.39	73.00
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 B4A/B12P Panel	140.00	35.10	0.50	12.63	300.00	221.70	384.00	269.00
T-Mobile-3	TMA	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	60.00	112.33	194.57	124.00
T-Mobile-5	Ericsson B4A/B12P Panel	140.00	35.10	0.50	12.63	60.00	221.70	384.00	269.00
T-Mobile-6	TMA	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	180.00	112.33	194.57	124.00
T-Mobile-8	Ericsson B4A/B12P Panel	140.00	35.10	0.50	12.63	180.00	221.70	384.00	269.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	180.00	17.55	30.40	15.00
T-Mobile-10	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	300.00	56.70	98.20	83.00
T-Mobile-11	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	60.00	56.70	98.20	83.00
T-Mobile-12	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	180.00	56.70	98.20	83.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.80	1.00	0.75	1.81	75.6	5076	0.00	2.00	0.00	1.20	0.00	0	5076	4851
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.80	1.00	0.79	1.78	99.4	6337	0.00	2.00	0.00	1.20	0.00	0	6337	6251
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.80	1.00	0.80	1.78	118.3	7222	0.00	2.00	0.00	1.20	0.00	0	7222	8612
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.80	1.00	0.78	1.78	126.0	7359	0.00	2.00	0.00	1.20	0.00	0	7359	10139
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	13099
F	80.00	60.00	70.00	28.80	0.50	109.32	64.43	47.75	300.0	0.58	0.80	1.00	0.74	1.82	135.2	7080	0.00	2.00	0.00	1.20	0.00	0	7080	13715
G	60.00	40.00	50.00	26.16	0.50	111.79	71.66	52.33	327.3	0.56	0.80	1.00	0.73	1.83	141.8	6800	0.00	2.00	0.00	1.20	0.00	0	6800	15628
H	40.00	20.00	30.00	23.23	0.50	117.39	72.90	52.26	354.6	0.54	0.80	1.00	0.72	1.86	146.2	6305	0.00	2.00	0.00	1.20	0.00	0	6305	16409
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	17608

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

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	6` Stand-Off	180.00	37.72	0.50	3.00	270.00							0.00	113.15	150.00
Top-B	6` Stand-Off	180.00	37.72	0.50	3.00	30.00							0.00	113.15	150.00
Top-C1	6` Stand-Off	180.00	37.72	0.50	3.00	170.00							0.00	113.15	150.00
Top-C2	6` Stand-Off	180.00	37.72	0.50	3.00	130.00							0.00	113.15	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	37.72	0.50	6.54	150.00							0.00	246.67	69.80
CSP-75	6` Dish with Radome	180.00	37.72	0.50	29.00	270.00							0.00	1093.80	220.00
CSP-76	6` Dish with Radome	180.00	37.72	0.50	29.00	30.00							0.00	1093.80	220.00
CSP-77	6` Dish with Radome	180.00	37.72	0.50	29.00	150.00							0.00	1093.80	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	37.72	0.50	1.98	30.00							0.00	74.68	22.70
CSP-74	TMA	180.00	37.72	0.50	1.00	30.00							0.00	37.72	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	37.72	0.50	0.71	270.00							0.00	26.78	11.60

NEU-55	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	150.00	0.00	93.69	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	37.72	0.50	2.48	30.00	0.00	93.69	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	37.41	0.50	6.54	270.00	0.00	244.69	69.80
CSP-31	6` Dish with Radome	175.00	37.41	0.50	29.00	270.00	0.00	1085.03	220.00
TOG-6	DB586-Y	175.00	37.41	0.50	0.40	270.00	0.00	14.97	10.00
TOG-7	6` Dish with Radome	170.00	37.11	0.50	29.00	30.00	0.00	1076.08	220.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	36.79	0.50	6.54	150.00	0.00	240.61	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	36.79	0.50	1.98	30.00	0.00	72.85	22.70
STAM-63	10x4.6x4 Panel	165.00	36.79	0.50	0.50	270.00	0.00	18.40	20.00
SPD-9	GLF-940	160.00	36.47	0.50	20.00	270.00	0.00	729.38	120.00
159-A	3` Stand-Off	160.00	36.47	0.50	1.50	270.00	0.00	54.70	75.00
159-B	3` Stand-Off	160.00	36.47	0.50	1.50	30.00	0.00	54.70	75.00
STAM-65	10x4.6x4 Panel	160.00	36.47	0.50	0.50	270.00	0.00	18.23	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	270.00	0.00	238.51	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	30.00	0.00	238.51	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	36.47	0.50	6.54	150.00	0.00	238.51	69.80
CSP-73	TMA	160.00	36.47	0.50	1.00	150.00	0.00	36.47	15.00
160	3` Stand-Off	160.00	36.47	0.50	1.50	270.00	0.00	54.70	75.00
STAM-64	TMA	160.00	36.47	0.50	1.00	270.00	0.00	36.47	15.00
ATT-A	12` T-Arm	150.00	35.80	0.50	10.00	270.00	0.00	358.03	600.00
ATT-B	12` T-Arm	150.00	35.80	0.50	10.00	30.00	0.00	358.03	600.00
ATT-C	12` T-Arm	150.00	35.80	0.50	10.00	150.00	0.00	358.03	600.00
ATT-A1	Powerwave 7770	150.00	35.80	0.50	5.88	270.00	0.00	210.52	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	270.00	0.00	300.74	65.00
ATT-A3	Powerwave 7770	150.00	35.80	0.50	5.88	270.00	0.00	210.52	35.00
ATT-A4	Ericsson RRU	150.00	35.80	0.50	5.45	270.00	0.00	195.12	80.00
ATT-A5	Ericsson RRU	150.00	35.80	0.50	5.45	270.00	0.00	195.12	80.00
ATT-A6	TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A7	TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A8	TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A9	TMA	150.00	35.80	0.50	1.00	270.00	0.00	35.80	15.00
ATT-A10	Raycap Surge Suppressor	150.00	35.80	0.50	1.27	270.00	0.00	45.47	20.00
ATT-B1	Powerwave 7770	150.00	35.80	0.50	5.88	30.00	0.00	210.52	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	30.00	0.00	300.74	65.00
ATT-B3	Powerwave 7770	150.00	35.80	0.50	5.88	30.00	0.00	210.52	35.00
ATT-B4	Ericsson RRU	150.00	35.80	0.50	5.45	30.00	0.00	195.12	80.00
ATT-B5	Ericsson RRU	150.00	35.80	0.50	5.45	30.00	0.00	195.12	80.00
ATT-B6	TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-B7	TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-B8	TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-B9	TMA	150.00	35.80	0.50	1.00	30.00	0.00	35.80	15.00
ATT-C1	Powerwave 7770	150.00	35.80	0.50	5.88	150.00	0.00	210.52	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	35.80	0.50	8.40	150.00	0.00	300.74	65.00
ATT-C3	Powerwave 7770	150.00	35.80	0.50	5.88	150.00	0.00	210.52	35.00
ATT-C4	Ericsson RRU	150.00	35.80	0.50	5.45	150.00	0.00	195.12	80.00
ATT-C5	Ericsson RRU	150.00	35.80	0.50	5.45	150.00	0.00	195.12	80.00
ATT-C6	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C7	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C8	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
ATT-C9	TMA	150.00	35.80	0.50	1.00	150.00	0.00	35.80	15.00
143-A	3` Stand-Off	145.00	35.46	0.50	1.50	270.00	0.00	53.19	75.00
CSP-21	8` Omni	140.00	35.10	0.50	1.60	30.00	0.00	56.17	160.00
Sprint-A	12` T-Arm	120.00	33.59	0.50	10.00	270.00	0.00	335.91	600.00
Sprint-B	12` T-Arm	120.00	33.59	0.50	10.00	30.00	0.00	335.91	600.00
Sprint-C	12` T-Arm	120.00	33.59	0.50	10.00	150.00	0.00	335.91	600.00
Sprint-1	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	270.00	0.00	295.94	106.50
Sprint-2	ALU RRH	120.00	33.59	0.50	2.44	270.00	0.00	81.96	66.70
Sprint-3	ALU RRH	120.00	33.59	0.50	2.44	270.00	0.00	81.96	66.70
Sprint-4	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	30.00	0.00	295.94	106.50
Sprint-5	ALU RRH	120.00	33.59	0.50	2.44	30.00	0.00	81.96	66.70
Sprint-6	ALU RRH	120.00	33.59	0.50	2.44	30.00	0.00	81.96	66.70
Sprint-7	RFS APXVSPP18-C w/ ice	120.00	33.59	0.50	8.81	150.00	0.00	295.94	106.50
Sprint-8	ALU RRH	120.00	33.59	0.50	2.44	150.00	0.00	81.96	66.70
Sprint-9	ALU RRH	120.00	33.59	0.50	2.44	150.00	0.00	81.96	66.70
115-A	3` Stand-Off	113.34	33.05	0.50	1.50	270.00	0.00	49.57	75.00
NEU-17	12` Omni	113.34	33.05	0.50	2.40	270.00	0.00	79.31	170.00

85-A	3` Stand-Off	86.66	30.61	0.50	1.50	270.00	0.00	45.91	75.00
CSP-66	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	270.00	0.00	83.77	21.50
DOT-56	Dipole	80.00	29.92	0.50	6.00	30.00	0.00	179.50	71.00
DEP-54	RFS PD1142 w/ ice	80.00	29.92	0.50	2.80	150.00	0.00	83.77	21.50
GPS-68	GPS	60.00	27.56	0.50	1.00	150.00	0.00	27.56	20.00
GPS-69	GPS	60.00	27.56	0.50	1.00	30.00	0.00	27.56	20.00
GPS-53	GPS	20.00	23.23	0.50	1.00	270.00	0.00	23.23	20.00
NEU-19	DB586-Y	133.34	34.62	0.50	0.40	30.00	0.00	13.85	10.00
NEU-19-B	TMA	133.34	34.62	0.50	1.00	30.00	0.00	34.62	15.00
NEU-18	12` Omni	126.66	34.11	0.50	2.40	270.00	0.00	81.87	170.00
NEU-16	8` Omni	113.34	33.05	0.50	1.60	30.00	0.00	52.88	160.00
Verizon-D1	Diplexer	133.34	34.62	0.50	0.50	270.00	0.00	17.31	10.00
Verizon-D2	Diplexer	133.34	34.62	0.50	0.50	270.00	0.00	17.31	10.00
Verizon-D3	Diplexer	133.34	34.62	0.50	0.50	30.00	0.00	17.31	10.00
Verizon-D4	Diplexer	133.34	34.62	0.50	0.50	30.00	0.00	17.31	10.00
Verizon-D5	Diplexer	133.34	34.62	0.50	0.50	150.00	0.00	17.31	10.00
Verizon-D6	Diplexer	133.34	34.62	0.50	0.50	150.00	0.00	17.31	10.00
Verizon-A	Boom Gate	133.34	34.62	0.50	24.40	270.00	0.00	844.69	470.00
Verizon-B	Boom Gate	133.34	34.62	0.50	24.40	30.00	0.00	844.69	470.00
Verizon-C	Boom Gate	133.34	34.62	0.50	24.40	150.00	0.00	844.69	470.00
Verizon-1_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	270.00	0.00	264.83	70.50
Verizon-2_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	270.00	0.00	123.93	40.00
Verizon-3_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	270.00	0.00	123.93	40.00
Verizon-4_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	270.00	0.00	111.82	36.00
Verizon-5_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	270.00	0.00	111.82	36.00
Verizon-6_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	30.00	0.00	264.83	70.50
Verizon-7_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	30.00	0.00	123.93	40.00
Verizon-8_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	30.00	0.00	123.93	40.00
Verizon-9_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	30.00	0.00	111.82	36.00
Verizon-10_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	30.00	0.00	111.82	36.00
Verizon-11_700	Swedcom SLCP 2x6014	133.34	34.62	0.50	7.65	150.00	0.00	264.83	70.50
Verizon-12_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	150.00	0.00	123.93	40.00
Verizon-13_850	Andrew DB844H80-XY	133.34	34.62	0.50	3.58	150.00	0.00	123.93	40.00
Verizon-14_LTE	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	150.00	0.00	111.82	36.00
Verizon-15_PCS	Amphenol BXA-171063-8BF-EDIN-X	133.34	34.62	0.50	3.23	150.00	0.00	111.82	36.00
Verizon-16_AWS	ALU RRH	133.34	34.62	0.50	2.44	270.00	0.00	84.47	66.70
Verizon-17_AWS	ALU RRH	133.34	34.62	0.50	2.44	30.00	0.00	84.47	66.70
Verizon-18_AWS	ALU RRH	133.34	34.62	0.50	2.44	150.00	0.00	84.47	66.70
Verizon-22_AWS	Raycap DB-T1-6Z-8AB-0Z Dist. Box	133.34	34.62	0.50	5.75	150.00	0.00	199.06	73.00
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 B4A/B12P Panel	140.00	35.10	0.50	12.63	270.00	0.00	443.40	269.00
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 B4A/B12P Panel	140.00	35.10	0.50	12.63	30.00	0.00	443.40	269.00
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 B4A/B12P Panel	140.00	35.10	0.50	12.63	150.00	0.00	443.40	269.00
T-Mobile-9	TMA	140.00	35.10	0.50	1.00	150.00	0.00	35.10	15.00
T-Mobile-10	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	270.00	0.00	113.39	83.00
T-Mobile-11	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	30.00	0.00	113.39	83.00
T-Mobile-12	RRHU-11 RRH Unit	140.00	35.10	0.50	3.23	150.00	0.00	113.39	83.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	37.11	0.50	56.58	40.54	30.38	163.7	0.59	0.85	1.00	0.75	1.81	78.5	5266	0.00	2.00	0.00	1.20	0.00	0	5266	4851
B	160.00	140.00	150.00	35.80	0.50	76.52	48.46	38.20	191.0	0.65	0.85	1.00	0.79	1.78	103.2	6581	0.00	2.00	0.00	1.20	0.00	0	6581	6251
C	140.00	120.00	130.00	34.37	0.50	97.73	49.93	40.11	218.3	0.68	0.85	1.00	0.80	1.78	123.2	7521	0.00	2.00	0.00	1.20	0.00	0	7521	8612
D	120.00	100.00	110.00	32.77	0.50	100.24	58.49	45.80	245.5	0.65	0.85	1.00	0.78	1.78	131.0	7652	0.00	2.00	0.00	1.20	0.00	0	7652	10139
E	100.00	80.00	90.00	30.94	0.50	109.01	63.28	48.95	272.8	0.63	0.85	1.00	0.77	1.79	141.6	7833	0.00	2.00	0.00	1.20	0.00	0	7833	13099
F	80.00	60.00	70.00	28.80	0.50	109.32	64.43	47.75	300.0	0.58	0.85	1.00	0.74	1.82	140.7	7366	0.00	2.00	0.00	1.20	0.00	0	7366	13715
G	60.00	40.00	50.00	26.16	0.50	111.79	71.66	52.33	327.3	0.56	0.85	1.00	0.73	1.83	147.3	7068	0.00	2.00	0.00	1.20	0.00	0	7068	15628
H	40.00	20.00	30.00	23.23	0.50	117.39	72.90	52.26	354.6	0.54	0.85	1.00	0.72	1.86	152.0	6558	0.00	2.00	0.00	1.20	0.00	0	6558	16409

I 20.00 0.00 10.00 23.23 0.50 118.53 79.21 55.98 381.9 0.52 0.85 1.00 0.71 1.88 156.7 6837 0.00 2.00 0.00 1.20 0.00 0 6837 17608

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

Equipment Label	Equipment Property Set	Elevation Above Ground (ft)	qzGh (psf)	Ice Thick. (in)	Total Wind Area (ft^2)	Wind Incidence Angle (deg)	222-G CA	222-G CS	222-G CM	Antenna Axial Load FAM (lbs)	Antenna Side Load FSM (lbs)	Antenna Moment MM (ft-lbs)	Long. Load (lbs)	Trans. Load (lbs)	Vert. Load (lbs)
Top-A	6` Stand-Off	180.00	0.00	0.50	3.00	0.00							0.00	0.00	150.00
Top-B	6` Stand-Off	180.00	0.00	0.50	3.00	120.00							0.00	0.00	150.00
Top-C1	6` Stand-Off	180.00	0.00	0.50	3.00	260.00							0.00	0.00	150.00
Top-C2	6` Stand-Off	180.00	0.00	0.50	3.00	220.00							0.00	0.00	150.00
CSP-3	Sinclair SC479-HF1LDF w/ ice	180.00	0.00	0.50	6.54	240.00							0.00	0.00	69.80
CSP-75	6` Dish with Radome	180.00	0.00	0.50	29.00	0.00							0.00	0.00	220.00
CSP-76	6` Dish with Radome	180.00	0.00	0.50	29.00	120.00							0.00	0.00	220.00
CSP-77	6` Dish with Radome	180.00	0.00	0.50	29.00	240.00							0.00	0.00	220.00
CSP-1	Scala OGT9-806 w/ ice	180.00	0.00	0.50	1.98	120.00							0.00	0.00	22.70
CSP-74	TMA	180.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
TOG-5	Andrew DB-583 w/ ice	180.00	0.00	0.50	0.71	0.00							0.00	0.00	11.60
NEU-55	Decibel PD-420 2 bay - Dipole	180.00	0.00	0.50	2.48	240.00							0.00	0.00	24.70
NEU-20	Decibel PD-420 2 bay - Dipole	180.00	0.00	0.50	2.48	120.00							0.00	0.00	24.70
CSP-67	Sinclair SC479-HF1LDF w/ ice	175.00	0.00	0.50	6.54	0.00							0.00	0.00	69.80
CSP-31	6` Dish with Radome	175.00	0.00	0.50	29.00	0.00							0.00	0.00	220.00
TOG-6	DB586-Y	175.00	0.00	0.50	0.40	0.00							0.00	0.00	10.00
TOG-7	6` Dish with Radome	170.00	0.00	0.50	29.00	120.00							0.00	0.00	220.00
CSP-4	Sinclair SC479-HF1LDF w/ ice	165.00	0.00	0.50	6.54	240.00							0.00	0.00	69.80
CSP-2	Scala OGT9-806 w/ ice	165.00	0.00	0.50	1.98	120.00							0.00	0.00	22.70
STAM-63	10x4.6x4 Panel	165.00	0.00	0.50	0.50	0.00							0.00	0.00	20.00
SPD-9	GLF-940	160.00	0.00	0.50	20.00	0.00							0.00	0.00	120.00
159-A	3` Stand-Off	160.00	0.00	0.50	1.50	0.00							0.00	0.00	75.00
159-B	3` Stand-Off	160.00	0.00	0.50	1.50	120.00							0.00	0.00	75.00
STAM-65	10x4.6x4 Panel	160.00	0.00	0.50	0.50	0.00							0.00	0.00	20.00
CSP-70	Sinclair SC479-HF1LDF w/ ice	160.00	0.00	0.50	6.54	0.00							0.00	0.00	69.80
CSP-71	Sinclair SC479-HF1LDF w/ ice	160.00	0.00	0.50	6.54	120.00							0.00	0.00	69.80
CSP-72	Sinclair SC479-HF1LDF w/ ice	160.00	0.00	0.50	6.54	240.00							0.00	0.00	69.80
CSP-73	TMA	160.00	0.00	0.50	1.00	240.00							0.00	0.00	15.00
160	3` Stand-Off	160.00	0.00	0.50	1.50	0.00							0.00	0.00	75.00
STAM-64	TMA	160.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A	12` T-Arm	150.00	0.00	0.50	10.00	0.00							0.00	0.00	600.00
ATT-B	12` T-Arm	150.00	0.00	0.50	10.00	120.00							0.00	0.00	600.00
ATT-C	12` T-Arm	150.00	0.00	0.50	10.00	240.00							0.00	0.00	600.00
ATT-A1	Powerwave 7770	150.00	0.00	0.50	5.88	0.00							0.00	0.00	35.00
ATT-A2	Powerwave P65-16-XLH-RR	150.00	0.00	0.50	8.40	0.00							0.00	0.00	65.00
ATT-A3	Powerwave 7770	150.00	0.00	0.50	5.88	0.00							0.00	0.00	35.00
ATT-A4	Ericsson RRU	150.00	0.00	0.50	5.45	0.00							0.00	0.00	80.00
ATT-A5	Ericsson RRU	150.00	0.00	0.50	5.45	0.00							0.00	0.00	80.00
ATT-A6	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A7	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A8	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A9	TMA	150.00	0.00	0.50	1.00	0.00							0.00	0.00	15.00
ATT-A10	Raycap Surge Suppressor	150.00	0.00	0.50	1.27	0.00							0.00	0.00	20.00
ATT-B1	Powerwave 7770	150.00	0.00	0.50	5.88	120.00							0.00	0.00	35.00
ATT-B2	Powerwave P65-16-XLH-RR	150.00	0.00	0.50	8.40	120.00							0.00	0.00	65.00
ATT-B3	Powerwave 7770	150.00	0.00	0.50	5.88	120.00							0.00	0.00	35.00
ATT-B4	Ericsson RRU	150.00	0.00	0.50	5.45	120.00							0.00	0.00	80.00
ATT-B5	Ericsson RRU	150.00	0.00	0.50	5.45	120.00							0.00	0.00	80.00
ATT-B6	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-B7	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-B8	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-B9	TMA	150.00	0.00	0.50	1.00	120.00							0.00	0.00	15.00
ATT-C1	Powerwave 7770	150.00	0.00	0.50	5.88	240.00							0.00	0.00	35.00
ATT-C2	Powerwave P65-16-XLH-RR	150.00	0.00	0.50	8.40	240.00							0.00	0.00	65.00
ATT-C3	Powerwave 7770	150.00	0.00	0.50	5.88	240.00							0.00	0.00	35.00
ATT-C4	Ericsson RRU	150.00	0.00	0.50	5.45	240.00							0.00	0.00	80.00
ATT-C5	Ericsson RRU	150.00	0.00	0.50	5.45	240.00							0.00	0.00	80.00

ATT-C6		TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00	
ATT-C7		TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00	
ATT-C8		TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00	
ATT-C9		TMA	150.00	0.00	0.50	1.00	240.00	0.00	0.00	15.00	
143-A		3` Stand-Off	145.00	0.00	0.50	1.50	0.00	0.00	0.00	75.00	
CSP-21		8` Omni	140.00	0.00	0.50	1.60	120.00	0.00	0.00	160.00	
Sprint-A		12` T-Arm	120.00	0.00	0.50	10.00	0.00	0.00	0.00	600.00	
Sprint-B		12` T-Arm	120.00	0.00	0.50	10.00	120.00	0.00	0.00	600.00	
Sprint-C		12` T-Arm	120.00	0.00	0.50	10.00	240.00	0.00	0.00	600.00	
Sprint-1		RFS APXVSPP18-C w/ ice	120.00	0.00	0.50	8.81	0.00	0.00	0.00	106.50	
Sprint-2		ALU RRH	120.00	0.00	0.50	2.44	0.00	0.00	0.00	66.70	
Sprint-3		ALU RRH	120.00	0.00	0.50	2.44	0.00	0.00	0.00	66.70	
Sprint-4		RFS APXVSPP18-C w/ ice	120.00	0.00	0.50	8.81	120.00	0.00	0.00	106.50	
Sprint-5		ALU RRH	120.00	0.00	0.50	2.44	120.00	0.00	0.00	66.70	
Sprint-6		ALU RRH	120.00	0.00	0.50	2.44	120.00	0.00	0.00	66.70	
Sprint-7		RFS APXVSPP18-C w/ ice	120.00	0.00	0.50	8.81	240.00	0.00	0.00	106.50	
Sprint-8		ALU RRH	120.00	0.00	0.50	2.44	240.00	0.00	0.00	66.70	
Sprint-9		ALU RRH	120.00	0.00	0.50	2.44	240.00	0.00	0.00	66.70	
115-A		3` Stand-Off	113.34	0.00	0.50	1.50	0.00	0.00	0.00	75.00	
NEU-17		12` Omni	113.34	0.00	0.50	2.40	0.00	0.00	0.00	170.00	
85-A		3` Stand-Off	86.66	0.00	0.50	1.50	0.00	0.00	0.00	75.00	
CSP-66		RFS PD1142 w/ ice	80.00	0.00	0.50	2.80	0.00	0.00	0.00	21.50	
DOT-56		Dipole	80.00	0.00	0.50	6.00	120.00	0.00	0.00	71.00	
DEP-54		RFS PD1142 w/ ice	80.00	0.00	0.50	2.80	240.00	0.00	0.00	21.50	
GPS-68		GPS	60.00	0.00	0.50	1.00	240.00	0.00	0.00	20.00	
GPS-69		GPS	60.00	0.00	0.50	1.00	120.00	0.00	0.00	20.00	
GPS-53		GPS	20.00	0.00	0.50	1.00	0.00	0.00	0.00	20.00	
NEU-19		DB586-Y	133.34	0.00	0.50	0.40	120.00	0.00	0.00	10.00	
NEU-19-B		TMA	133.34	0.00	0.50	1.00	120.00	0.00	0.00	15.00	
NEU-18		12` Omni	126.66	0.00	0.50	2.40	0.00	0.00	0.00	170.00	
NEU-16		8` Omni	113.34	0.00	0.50	1.60	120.00	0.00	0.00	160.00	
Verizon-D1		Diplexer	133.34	0.00	0.50	0.50	0.00	0.00	0.00	10.00	
Verizon-D2		Diplexer	133.34	0.00	0.50	0.50	0.00	0.00	0.00	10.00	
Verizon-D3		Diplexer	133.34	0.00	0.50	0.50	120.00	0.00	0.00	10.00	
Verizon-D4		Diplexer	133.34	0.00	0.50	0.50	120.00	0.00	0.00	10.00	
Verizon-D5		Diplexer	133.34	0.00	0.50	0.50	240.00	0.00	0.00	10.00	
Verizon-D6		Diplexer	133.34	0.00	0.50	0.50	240.00	0.00	0.00	10.00	
Verizon-A		Boom Gate	133.34	0.00	0.50	24.40	0.00	0.00	0.00	470.00	
Verizon-B		Boom Gate	133.34	0.00	0.50	24.40	120.00	0.00	0.00	470.00	
Verizon-C		Boom Gate	133.34	0.00	0.50	24.40	240.00	0.00	0.00	470.00	
Verizon-1_700		Swedcom SLCP 2x6014	133.34	0.00	0.50	7.65	0.00	0.00	0.00	70.50	
Verizon-2_850		Andrew DB844H80-XY	133.34	0.00	0.50	3.58	0.00	0.00	0.00	40.00	
Verizon-3_850		Andrew DB844H80-XY	133.34	0.00	0.50	3.58	0.00	0.00	0.00	40.00	
Verizon-4_LTE	Amphenol	BXA-171063-8BF-EDIN-X	133.34	0.00	0.50	3.23	0.00	0.00	0.00	36.00	
Verizon-5_PCS	Amphenol	BXA-171063-8BF-EDIN-X	133.34	0.00	0.50	3.23	0.00	0.00	0.00	36.00	
Verizon-6_700		Swedcom SLCP 2x6014	133.34	0.00	0.50	7.65	120.00	0.00	0.00	70.50	
Verizon-7_850		Andrew DB844H80-XY	133.34	0.00	0.50	3.58	120.00	0.00	0.00	40.00	
Verizon-8_850		Andrew DB844H80-XY	133.34	0.00	0.50	3.58	120.00	0.00	0.00	40.00	
Verizon-9_LTE	Amphenol	BXA-171063-8BF-EDIN-X	133.34	0.00	0.50	3.23	120.00	0.00	0.00	36.00	
Verizon-10_PCS	Amphenol	BXA-171063-8BF-EDIN-X	133.34	0.00	0.50	3.23	120.00	0.00	0.00	36.00	
Verizon-11_700		Swedcom SLCP 2x6014	133.34	0.00	0.50	7.65	240.00	0.00	0.00	70.50	
Verizon-12_850		Andrew DB844H80-XY	133.34	0.00	0.50	3.58	240.00	0.00	0.00	40.00	
Verizon-13_850		Andrew DB844H80-XY	133.34	0.00	0.50	3.58	240.00	0.00	0.00	40.00	
Verizon-14_LTE	Amphenol	BXA-171063-8BF-EDIN-X	133.34	0.00	0.50	3.23	240.00	0.00	0.00	36.00	
Verizon-15_PCS	Amphenol	BXA-171063-8BF-EDIN-X	133.34	0.00	0.50	3.23	240.00	0.00	0.00	36.00	
Verizon-16_AWS		ALU RRH	133.34	0.00	0.50	2.44	0.00	0.00	0.00	66.70	
Verizon-17_AWS		ALU RRH	133.34	0.00	0.50	2.44	120.00	0.00	0.00	66.70	
Verizon-18_AWS		ALU RRH	133.34	0.00	0.50	2.44	240.00	0.00	0.00	66.70	
Verizon-22_AWS	Raycap	DB-T1-6Z-8AB-0Z Dist. Box	133.34	0.00	0.50	5.75	240.00	0.00	0.00	73.00	
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 B4A/B12P Panel	140.00	0.00	0.50	12.63	0.00	0.00	0.00	269.00	
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 B4A/B12P Panel	140.00	0.00	0.50	12.63	120.00	0.00	0.00	269.00	
T-Mobile-6		TMA	140.00	0.00	0.50	1.00	120.00	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 B4A/B12P Panel	140.00	0.00	0.50	12.63	240.00			0.00	0.00 269.00
T-Mobile-9	TMA	140.00	0.00	0.50	1.00	240.00			0.00	0.00 15.00
T-Mobile-10	RRHU-11 RRH Unit	140.00	0.00	0.50	3.23	0.00			0.00	0.00 83.00
T-Mobile-11	RRHU-11 RRH Unit	140.00	0.00	0.50	3.23	120.00			0.00	0.00 83.00
T-Mobile-12	RRHU-11 RRH Unit	140.00	0.00	0.50	3.23	240.00			0.00	0.00 83.00

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

Section Label	Z of Top (ft)	Z of Bottom (ft)	Ave. Elev. Above Gnd. (ft)	qzGh (psf)	Ice Thick. (in)	Face AF (ft^2)	Face AR (ft^2)	Face RR*AR (ft^2)	Face AG (ft^2)	Face e	Face DF	Face DR	Face RR	Face CF	Face AE (ft^2)	Face WF (lbs)	NotF AAF (ft^2)	NotF CAF	NotF AAR (ft^2)	NotF CAR	NotF AAR*CAR (ft^2)	NotF WA (lbs)	Total Wind (lbs)	Total Weight (lbs)
A	180.00	160.00	170.00	0.00	0.50	56.58	40.54	30.38	163.7	0.59	1.00	1.00	0.75	1.81	87.0	0	0.00	2.00	0.00	1.20	0.00	0	0	4851
B	160.00	140.00	150.00	0.00	0.50	76.52	48.46	38.20	191.0	0.65	1.00	1.00	0.79	1.78	114.7	0	0.00	2.00	0.00	1.20	0.00	0	0	6251
C	140.00	120.00	130.00	0.00	0.50	97.73	49.93	40.11	218.3	0.68	1.00	1.00	0.80	1.78	137.8	0	0.00	2.00	0.00	1.20	0.00	0	0	8612
D	120.00	100.00	110.00	0.00	0.50	100.24	58.49	45.80	245.5	0.65	1.00	1.00	0.78	1.78	146.0	0	0.00	2.00	0.00	1.20	0.00	0	0	10139
E	100.00	80.00	90.00	0.00	0.50	109.01	63.28	48.95	272.8	0.63	1.00	1.00	0.77	1.79	158.0	0	0.00	2.00	0.00	1.20	0.00	0	0	13099
F	80.00	60.00	70.00	0.00	0.50	109.32	64.43	47.75	300.0	0.58	1.00	1.00	0.74	1.82	157.1	0	0.00	2.00	0.00	1.20	0.00	0	0	13715
G	60.00	40.00	50.00	0.00	0.50	111.79	71.66	52.33	327.3	0.56	1.00	1.00	0.73	1.83	164.1	0	0.00	2.00	0.00	1.20	0.00	0	0	15628
H	40.00	20.00	30.00	0.00	0.50	117.39	72.90	52.26	354.6	0.54	1.00	1.00	0.72	1.86	169.7	0	0.00	2.00	0.00	1.20	0.00	0	0	16409
I	20.00	0.00	10.00	0.00	0.50	118.53	79.21	55.98	381.9	0.52	1.00	1.00	0.71	1.88	174.5	0	0.00	2.00	0.00	1.20	0.00	0	0	17608

*** Analysis Results:

Maximum element usage is 91.08% for Angle "SNB-LH2P" in load case "W+I 0 deg"

Angle Forces For All Load Cases:

Positive for tension - negative for compression

Group Label	Angle Label	Max. Usage For All LC %	Max. Tens. For All LC (kips)	Max. Comp. For All LC (kips)	LC 1 (kips)	LC 2 (kips)	LC 3 (kips)	LC 4 (kips)	LC 5 (kips)	LC 6 (kips)
Rohn-D1	Rohn-DA1P	24.36	1.722	-1.171	-1.171	-0.268	1.519	1.722	1.147	-0.012
Rohn-D1	Rohn-DA11	34.40	1.631	-1.654	1.631	1.468	0.132	-1.351	-1.654	-0.011
Rohn-D1	Rohn-DA12	35.43	0.210	-1.703	-0.244	-1.022	-1.703	-0.644	0.210	-0.014
Rohn-D1	Rohn-DA2P	24.15	1.763	-1.161	1.141	1.763	1.610	-0.216	-1.161	-0.010
Rohn-D1	Rohn-DA21	30.15	0.204	-1.449	0.204	-0.520	-1.449	-0.888	-0.231	-0.011
Rohn-D1	Rohn-DA22	37.62	1.775	-1.809	-1.809	-1.399	0.295	1.674	1.775	-0.016
Rohn-D1	Rohn-DA3P	38.17	2.094	-1.725	-1.725	-0.833	1.350	2.094	1.683	-0.021
Rohn-D1	Rohn-DA31	45.21	2.008	-2.043	2.008	1.814	0.184	-1.659	-2.043	-0.017
Rohn-D1	Rohn-DA32	34.12	0.921	-1.542	-0.957	-1.542	-1.533	0.068	0.921	-0.016
Rohn-D1	Rohn-DA4P	34.20	2.084	-1.545	1.508	2.084	1.631	-0.540	-1.545	-0.019
Rohn-D1	Rohn-DA41	42.75	0.901	-1.932	0.901	-0.145	-1.932	-1.731	-0.944	-0.019
Rohn-D1	Rohn-DA42	34.41	1.523	-1.555	-1.555	-1.195	0.262	1.431	1.523	-0.015
Rohn-D1	Rohn-DA5P	24.39	1.898	-1.037	-1.037	0.030	1.898	1.767	0.999	-0.019
Rohn-D1	Rohn-DA51	51.51	2.197	-2.191	2.150	2.197	0.702	-1.521	-2.191	-0.021
Rohn-D1	Rohn-DA52	44.06	1.186	-1.874	-1.216	-1.874	-1.762	0.185	1.186	-0.013
Rohn-D1	Rohn-DA6P	26.72	1.633	-1.136	1.093	1.633	1.465	-0.274	-1.136	-0.022
Rohn-D1	Rohn-DA61	60.37	0.997	-2.567	0.997	-0.377	-2.567	-2.122	-1.037	-0.017
Rohn-D1	Rohn-DA62	44.92	1.876	-1.910	-1.910	-1.705	-0.152	1.529	1.876	-0.015
Rohn-D1	Rohn-DA7P	32.82	1.795	-1.315	1.246	1.795	1.532	-0.395	-1.315	-0.034
Rohn-D1	Rohn-DA71	54.10	0.813	-2.168	0.813	-0.328	-2.168	-1.758	-0.862	-0.023
Rohn-D1	Rohn-DA72	57.25	2.245	-2.294	-2.294	-1.991	-0.071	1.885	2.245	-0.024
Rohn-D1	Rohn-DA8P	33.77	2.243	-1.353	-1.353	-0.072	2.243	2.188	1.294	-0.030
Rohn-D1	Rohn-DA81	49.49	1.925	-1.983	1.925	1.815	0.336	-1.519	-1.983	-0.028
Rohn-D1	Rohn-DA82	46.06	0.735	-1.845	-0.786	-1.529	-1.845	-0.236	0.735	-0.023
Rohn-D2	Rohn-DB1P	33.66	2.999	-1.922	-1.922	-0.230	2.953	2.999	1.864	-0.032
Rohn-D2	Rohn-DB11	49.85	2.783	-2.847	2.783	2.456	0.162	-2.342	-2.847	-0.027
Rohn-D2	Rohn-DB12	47.86	1.801	-2.734	-1.837	-2.734	-2.498	0.386	1.801	-0.018
Rohn-D2	Rohn-DB2P	33.50	2.776	-1.913	1.852	2.776	2.524	-0.437	-1.913	-0.034
Rohn-D2	Rohn-DB21	52.36	1.783	-2.990	1.783	0.126	-2.990	-2.970	-1.824	-0.020
Rohn-D2	Rohn-DB22	49.09	2.744	-2.803	-2.803	-2.534	-0.300	2.188	2.744	-0.024
Rohn-D2	Rohn-DB3P	42.18	3.033	-2.275	-2.275	-0.801	2.443	3.033	2.212	-0.028
Rohn-D2	Rohn-DB31	46.73	2.530	-2.520	2.474	2.530	0.867	-1.699	-2.520	-0.026
Rohn-D2	Rohn-DB32	50.39	1.129	-2.718	-1.167	-2.243	-2.718	-0.303	1.129	-0.018
Rohn-D2	Rohn-DB4P	42.26	2.806	-2.279	2.212	2.806	1.986	-1.033	-2.279	-0.029
Rohn-D2	Rohn-DB41	58.42	1.135	-3.151	1.135	-0.513	-3.151	-2.467	-1.174	-0.018
Rohn-D2	Rohn-DB42	46.99	2.490	-2.534	-2.534	-1.931	0.427	2.322	2.490	-0.024
Rohn-D2	Rohn-DB5P	55.51	4.309	-2.831	-2.831	-0.464	4.114	4.309	2.735	-0.053
Rohn-D2	Rohn-DB51	83.67	4.160	-4.266	4.160	3.758	0.356	-3.441	-4.266	-0.050
Rohn-D2	Rohn-DB52	78.04	2.260	-3.979	-2.364	-3.888	-3.979	0.062	2.260	-0.047
Rohn-D2	Rohn-DB6P	55.12	4.090	-2.811	2.714	4.090	3.708	-0.650	-2.811	-0.053
Rohn-D2	Rohn-DB61	86.74	2.260	-4.423	2.260	-0.159	-4.423	-4.111	-2.364	-0.046
Rohn-D2	Rohn-DB62	83.22	4.135	-4.243	-4.243	-3.623	-0.051	3.532	4.135	-0.051
Rohn-D8	Rohn-DB7P	32.81	4.943	-2.957	-2.957	-0.152	4.943	4.712	2.772	-0.091
Rohn-D8	Rohn-DB71	56.23	4.871	-5.067	4.871	4.221	0.113	-4.228	-5.067	-0.089
Rohn-D8	Rohn-DB72	53.68	2.956	-4.837	-3.119	-4.837	-4.707	0.361	2.956	-0.089
Rohn-D8	Rohn-DB8P	33.51	4.544	-3.020	2.836	4.544	4.496	-0.432	-3.020	-0.090
Rohn-D8	Rohn-DB81	55.92	2.958	-5.039	2.958	0.196	-5.039	-5.004	-3.117	-0.087
Rohn-D8	Rohn-DB82	57.03	4.933	-5.139	-5.139	-4.513	-0.337	4.050	4.933	-0.092
Rohn-D3	Rohn-DC1P	54.73	5.630	-4.349	-4.349	-1.579	4.515	5.630	4.083	-0.134
Rohn-D3	Rohn-DC11	69.76	5.296	-5.544	5.296	5.232	1.403	-3.985	-5.544	-0.129
Rohn-D3	Rohn-DC12	75.66	1.784	-6.012	-2.068	-4.525	-6.012	-1.269	1.784	-0.133
Rohn-D3	Rohn-DC2P	54.99	5.491	-4.370	4.108	5.491	4.195	-1.759	-4.370	-0.132
Rohn-D3	Rohn-DC21	77.36	1.838	-6.148	1.838	-1.288	-6.148	-4.638	-2.117	-0.131
Rohn-D3	Rohn-DC22	71.37	5.414	-5.672	-5.672	-4.199	1.192	5.231	5.414	-0.135

Rohn-D3a	Rohn-DC3P	50.64	7.343	-4.234	-4.234	-0.135	7.343	7.002	4.136	-0.057
Rohn-D3a	Rohn-DC31	81.97	7.804	-7.941	7.804	6.666	-0.045	-6.766	-7.941	-0.051
Rohn-D3a	Rohn-DC32	75.36	4.177	-7.301	-4.284	-7.086	-7.301	0.146	4.177	-0.052
Rohn-D3a	Rohn-DC4P	49.71	7.207	-4.222	4.130	6.928	7.207	-0.194	-4.222	-0.054
Rohn-D3a	Rohn-DC41	76.41	4.189	-7.402	4.189	0.107	-7.402	-7.147	-4.296	-0.051
Rohn-D3a	Rohn-DC42	82.31	7.831	-7.974	-7.974	-6.845	-0.150	6.637	7.831	-0.055
Rohn-D3a	Rohn-DC5P	51.11	7.260	-4.670	-4.670	-0.506	7.260	7.088	4.276	-0.202
Rohn-D3a	Rohn-DC51	90.44	7.842	-8.265	7.842	6.759	0.065	-6.939	-8.265	-0.193
Rohn-D3a	Rohn-DC52	84.53	3.987	-7.724	-4.348	-7.255	-7.724	-0.135	3.987	-0.188
Rohn-D3a	Rohn-DC6P	51.26	7.165	-4.684	4.291	7.053	7.165	-0.566	-4.684	-0.202
Rohn-D3a	Rohn-DC61	85.68	3.981	-7.829	3.981	-0.192	-7.829	-7.307	-4.347	-0.190
Rohn-D3a	Rohn-DC62	90.30	7.831	-8.251	-8.251	-6.984	-0.049	6.691	7.831	-0.192
Rohn-D4a	Rohn-DD1P	53.48	8.353	-5.608	-5.608	-0.937	8.132	8.353	5.310	-0.151
Rohn-D4a	Rohn-DD11	89.15	9.031	-9.348	9.031	8.009	0.581	-7.619	-9.348	-0.146
Rohn-D4a	Rohn-DD12	85.92	4.147	-9.009	-4.433	-7.926	-9.009	-0.623	4.147	-0.136
Rohn-D4a	Rohn-DD2P	53.45	8.298	-5.604	5.302	8.298	8.035	-0.982	-5.604	-0.153
Rohn-D4a	Rohn-DD21	87.04	4.149	-9.126	4.149	-0.677	-9.126	-7.994	-4.444	-0.140
Rohn-D4a	Rohn-DD22	88.94	9.021	-9.326	-9.326	-7.646	0.492	7.953	9.021	-0.140
Rohn-D4a	Rohn-DD3P	45.68	8.279	-4.455	-4.455	0.061	8.279	7.705	4.581	0.055
Rohn-D4a	Rohn-DD31	87.37	8.669	-8.635	8.669	7.330	-0.030	-7.367	-8.635	0.053
Rohn-D4a	Rohn-DD32	79.80	4.809	-7.887	-4.674	-7.659	-7.887	0.446	4.809	0.071
Rohn-D4a	Rohn-DD4P	45.14	8.163	-4.461	4.579	7.647	8.163	-0.002	-4.461	0.051
Rohn-D4a	Rohn-DD41	81.28	4.792	-8.034	4.792	0.361	-8.034	-7.726	-4.668	0.066
Rohn-D4a	Rohn-DD42	87.07	8.656	-8.606	-8.606	-7.410	-0.160	7.250	8.656	0.062
Rohn-D4a	Rohn-DD5P	55.55	7.261	-5.195	-5.195	-1.208	6.771	7.261	4.826	-0.184
Rohn-D4a	Rohn-DD51	85.47	7.578	-7.994	7.578	6.867	0.842	-6.324	-7.994	-0.180
Rohn-D4a	Rohn-DD52	85.15	3.315	-7.964	-3.625	-6.707	-7.964	-0.786	3.315	-0.167
Rohn-D4a	Rohn-DD6P	55.59	7.191	-5.199	4.821	7.191	6.635	-1.279	-5.199	-0.188
Rohn-D4a	Rohn-DD61	86.46	3.314	-8.087	3.314	-0.847	-8.087	-6.772	-3.630	-0.170
Rohn-D4a	Rohn-DD62	85.50	7.596	-7.997	-7.997	-6.388	0.726	6.821	7.596	-0.172
Rohn-D5	Rohn-DE1P	34.36	5.583	-3.889	-3.889	-0.777	5.400	5.583	3.646	-0.133
Rohn-D5	Rohn-DE11	48.63	5.922	-6.221	5.922	5.286	0.520	-4.985	-6.221	-0.131
Rohn-D5	Rohn-DE12	47.96	2.734	-6.135	-2.986	-5.296	-6.135	-0.422	2.734	-0.122
Rohn-D5	Rohn-DE2P	33.99	5.523	-3.892	3.643	5.523	5.282	-0.839	-3.892	-0.137
Rohn-D5	Rohn-DE21	48.95	2.727	-6.261	2.727	-0.489	-6.261	-5.359	-2.987	-0.125
Rohn-D5	Rohn-DE22	48.55	5.923	-6.210	-6.210	-5.035	0.405	5.227	5.923	-0.124
Rohn-D5	Rohn-DE3P	40.73	6.618	-3.204	-3.204	0.347	6.618	5.688	3.164	-0.027
Rohn-D5	Rohn-DE31	55.26	6.557	-6.686	6.557	5.333	-0.453	-5.854	-6.686	-0.028
Rohn-D5	Rohn-DE32	51.12	4.023	-6.186	-4.030	-6.186	-6.074	0.677	4.023	-0.014
Rohn-D5	Rohn-DE4P	39.96	6.494	-3.212	3.165	5.629	6.494	0.279	-3.212	-0.030
Rohn-D5	Rohn-DE41	51.60	4.022	-6.243	4.022	0.622	-6.184	-6.243	-4.034	-0.017
Rohn-D5	Rohn-DE42	55.28	6.571	-6.689	-6.689	-5.914	-0.564	5.287	6.571	-0.022
Rohn-D5	Rohn-DE5P	42.70	6.938	-4.473	-4.473	-0.552	6.938	6.665	4.070	-0.197
Rohn-D5	Rohn-DE51	67.98	7.385	-7.808	7.385	6.331	0.064	-6.508	-7.808	-0.196
Rohn-D5	Rohn-DE52	64.75	3.730	-7.437	-4.106	-6.808	-7.437	-0.161	3.730	-0.188
Rohn-D5	Rohn-DE6P	42.08	6.837	-4.452	4.044	6.594	6.837	-0.584	-4.452	-0.200
Rohn-D5	Rohn-DE61	65.99	3.728	-7.580	3.728	-0.233	-7.580	-6.881	-4.110	-0.191
Rohn-D5	Rohn-DE62	67.71	7.365	-7.777	-7.777	-6.528	-0.027	6.265	7.365	-0.191
Rohn-D6	Rohn-DF1P	52.28	8.495	-4.800	-4.800	-0.122	8.495	7.790	4.644	-0.123
Rohn-D6	Rohn-DF11	64.45	8.821	-9.211	8.821	7.483	-0.033	-7.773	-9.211	-0.124
Rohn-D6	Rohn-DF12	60.07	4.756	-8.584	-4.988	-8.115	-8.584	0.233	4.756	-0.114
Rohn-D6	Rohn-DF2P	51.32	8.339	-4.804	4.642	7.711	8.339	-0.203	-4.804	-0.126
Rohn-D6	Rohn-DF21	61.45	4.730	-8.782	4.730	0.112	-8.782	-8.197	-4.970	-0.117
Rohn-D6	Rohn-DF22	64.24	8.801	-9.181	-9.181	-7.843	-0.222	7.369	8.801	-0.118
Rohn-D6	Rohn-DF3P	54.30	8.823	-5.560	-5.560	-0.607	8.823	8.469	5.295	-0.119
Rohn-D6	Rohn-DF31	72.73	9.404	-9.760	9.404	8.155	0.461	-7.972	-9.760	-0.120
Rohn-D6	Rohn-DF32	70.20	4.622	-9.421	-4.779	-8.277	-9.421	-0.285	4.622	-0.114
Rohn-D6	Rohn-DF4P	53.17	8.639	-5.562	5.291	8.376	8.639	-0.700	-5.562	-0.122
Rohn-D6	Rohn-DF41	71.46	4.627	-9.590	4.627	-0.365	-9.590	-8.367	-4.787	-0.116
Rohn-D6	Rohn-DF42	72.76	9.416	-9.764	-9.764	-8.058	0.300	8.082	9.416	-0.116
Rohn-D6	Rohn-DG1P	46.53	7.561	-4.776	-4.776	-0.564	7.561	7.345	4.653	-0.104
Rohn-D6	Rohn-DG11	66.61	8.082	-8.404	8.082	7.074	0.469	-6.859	-8.404	-0.104
Rohn-D6	Rohn-DG12	64.43	3.896	-8.129	-4.123	-7.141	-8.129	-0.282	3.896	-0.099
Rohn-D6	Rohn-DG2P	45.53	7.398	-4.777	4.650	7.263	7.398	-0.645	-4.777	-0.105
Rohn-D6	Rohn-DG21	65.74	3.893	-8.294	3.893	-0.366	-8.294	-7.224	-4.125	-0.100
Rohn-D6	Rohn-DG22	66.57	8.083	-8.399	-8.399	-6.935	0.312	6.994	8.083	-0.100

Rohn-D6	Rohn-DG3P	50.14	8.147	-4.772	-4.772	-0.282	8.147	7.566	4.658	-0.047
Rohn-D6	Rohn-DG31	73.73	8.533	-8.756	8.533	7.303	0.283	-7.215	-8.756	-0.047
Rohn-D6	Rohn-DG32	70.54	4.385	-8.377	-4.392	-7.470	-8.377	-0.012	4.385	-0.044
Rohn-D6	Rohn-DG4P	49.18	7.992	-4.773	4.657	7.488	7.992	-0.361	-4.773	-0.049
Rohn-D6	Rohn-DG41	71.85	4.384	-8.532	4.384	-0.089	-8.532	-7.548	-4.394	-0.045
Rohn-D6	Rohn-DG42	73.72	8.536	-8.754	-8.754	-7.289	0.135	7.229	8.536	-0.045
Rohn-D7	Rohn-DH1P	43.22	7.022	-4.651	-4.651	-0.635	7.022	6.633	4.055	-0.345
Rohn-D7	Rohn-DH11	50.81	7.417	-8.256	7.417	6.386	0.058	-6.839	-8.256	-0.345
Rohn-D7	Rohn-DH12	48.86	3.563	-7.939	-4.269	-7.087	-7.939	-0.376	3.563	-0.340
Rohn-D7	Rohn-DH2P	42.30	6.874	-4.653	4.053	6.559	6.874	-0.710	-4.653	-0.347
Rohn-D7	Rohn-DH21	49.77	3.562	-8.087	3.562	-0.451	-8.087	-7.162	-4.271	-0.342
Rohn-D7	Rohn-DH22	50.79	7.419	-8.254	-8.254	-6.910	-0.085	6.315	7.419	-0.342
Rohn-D7	Rohn-DH3P	46.52	7.560	-4.316	-4.316	-0.274	7.560	7.431	4.991	0.344
Rohn-D7	Rohn-DH31	49.83	8.097	-7.574	8.097	7.188	1.138	-5.940	-7.574	0.344
Rohn-D7	Rohn-DH32	47.19	3.994	-7.501	-3.204	-6.171	-7.501	-0.033	3.994	0.348
Rohn-D7	Rohn-DH4P	45.66	7.419	-4.317	4.989	7.361	7.419	-0.345	-4.317	0.343
Rohn-D7	Rohn-DH41	48.07	3.994	-7.641	3.994	-0.103	-7.641	-6.241	-3.205	0.347
Rohn-D7	Rohn-DH42	49.84	8.098	-7.572	-7.572	-6.008	1.002	7.120	8.098	0.346
Rohn-D7	Rohn-DI1P	42.79	2.169	-6.423	-6.423	-3.592	2.055	2.169	0.493	-3.003
Rohn-D7	Rohn-DI11	57.27	2.465	-8.597	2.465	1.921	-2.287	-7.403	-8.597	-3.002
Rohn-D7	Rohn-DI12	57.39	0.000	-8.615	-5.508	-7.637	-8.615	-3.337	-0.515	-2.999
Rohn-D7	Rohn-DI2P	42.79	2.101	-6.424	0.492	2.101	1.920	-3.660	-6.424	-3.004
Rohn-D7	Rohn-DI21	58.29	0.000	-8.750	-0.515	-3.405	-8.750	-7.705	-5.509	-3.000
Rohn-D7	Rohn-DI22	57.26	2.467	-8.595	-8.595	-7.468	-2.419	1.855	2.467	-3.001
Rohn-D7	Rohn-DI3P	59.67	9.696	0.000	0.973	3.700	9.298	9.696	8.239	4.601
Rohn-D7	Rohn-DI31	60.62	9.851	-0.801	9.851	9.483	5.701	0.581	-0.801	4.602
Rohn-D7	Rohn-DI32	41.37	6.723	-1.043	2.584	0.366	-1.043	3.919	6.723	4.604
Rohn-D7	Rohn-DI4P	59.31	9.637	0.000	8.239	9.637	9.180	3.641	0.972	4.601
Rohn-D7	Rohn-DI41	41.37	6.722	-1.162	6.722	3.859	-1.162	0.307	2.583	4.603
Rohn-D7	Rohn-DI42	60.63	9.852	-0.800	-0.800	0.523	5.584	9.426	9.852	4.603
Rohn-L1	Rohn-LA1P	2.45	0.000	-2.211	-0.484	-1.319	-2.211	-1.325	-0.493	-0.505
Rohn-L1	Rohn-LA11	1.72	0.675	-1.553	-1.553	-1.068	0.172	0.675	0.482	-0.555
Rohn-L1	Rohn-LA12	2.01	0.595	-1.814	0.394	0.595	0.043	-1.293	-1.814	-0.733
Rohn-L1	Rohn-LA2P	6.49	0.000	-5.860	-0.741	-3.174	-5.860	-3.334	-0.928	-0.863
Rohn-L1	Rohn-LA21	5.45	4.124	-4.921	-4.921	-3.063	1.888	4.124	3.459	-0.756
Rohn-L1	Rohn-LA22	5.29	3.675	-4.779	3.104	3.675	1.534	-3.076	-4.779	-0.863
Rohn-L1	Rohn-LA3P	10.58	0.000	-9.554	-0.932	-5.054	-9.554	-5.115	-1.003	-0.995
Rohn-L1	Rohn-LA31	9.54	7.521	-8.614	-8.614	-5.412	3.360	7.521	6.473	-1.110
Rohn-L1	Rohn-LA32	9.29	7.444	-8.384	6.439	7.444	3.346	-5.253	-8.384	-1.002
Rohn-L1	Rohn-LA4P	15.30	0.000	-13.814	-1.145	-7.222	-13.814	-7.158	-1.069	-1.134
Rohn-L1	Rohn-LA41	12.88	10.714	-11.626	-11.626	-7.147	5.037	10.714	9.235	-1.237
Rohn-L1	Rohn-LA42	13.07	10.944	-11.802	9.417	10.944	5.192	-7.220	-11.802	-1.228
Rohn-L2	Rohn-LB1P	16.71	0.000	-19.151	-1.780	-10.065	-19.151	-10.077	-1.792	-1.824
Rohn-L2	Rohn-LB11	14.07	14.858	-16.121	-16.121	-9.890	7.031	14.858	12.803	-1.710
Rohn-L2	Rohn-LB12	14.01	14.896	-16.051	12.847	14.896	7.080	-9.825	-16.051	-1.648
Rohn-L2	Rohn-LB2P	21.01	0.000	-24.082	-1.965	-12.460	-24.082	-12.458	-1.960	-2.005
Rohn-L2	Rohn-LB21	17.71	19.142	-20.296	-20.296	-12.366	9.202	19.142	16.584	-1.907
Rohn-L2	Rohn-LB22	17.67	19.205	-20.247	16.646	19.205	9.271	-12.309	-20.247	-1.847
Rohn-L2	Rohn-LB3P	27.54	0.000	-31.566	-3.071	-16.561	-31.566	-16.581	-3.091	-3.138
Rohn-L2	Rohn-LB31	23.23	23.993	-26.623	-26.623	-16.424	11.290	23.993	20.706	-3.032
Rohn-L2	Rohn-LB32	23.17	24.028	-26.558	20.750	24.028	11.334	-16.364	-26.558	-2.973
Rohn-L2	Rohn-LB4P	34.80	0.000	-39.879	-3.328	-20.633	-39.879	-20.605	-3.292	-3.365
Rohn-L2	Rohn-LB41	29.26	31.505	-33.536	-33.536	-20.451	15.155	31.505	27.307	-3.191
Rohn-L2	Rohn-LB42	29.23	31.596	-33.499	27.385	31.596	15.253	-20.390	-33.499	-3.129
Rohn-L3	Rohn-LC1P	38.06	0.000	-49.802	-4.176	-25.706	-49.802	-25.657	-4.115	-4.216
Rohn-L3	Rohn-LC11	32.12	38.972	-42.038	-42.038	-25.712	18.690	38.972	33.788	-4.210
Rohn-L3	Rohn-LC12	32.18	39.031	-42.118	33.822	39.031	18.744	-25.745	-42.118	-4.231
Rohn-L3	Rohn-LC2P	49.74	0.000	-65.018	-5.325	-33.460	-65.018	-33.469	-5.330	-5.399
Rohn-L3	Rohn-LC21	41.92	50.970	-54.794	-54.794	-33.461	24.543	50.970	44.177	-5.425
Rohn-L3	Rohn-LC22	41.97	50.918	-54.870	44.126	50.918	24.494	-33.527	-54.870	-5.487
Rohn-L3	Rohn-LC3P	61.50	0.000	-80.485	-5.672	-40.908	-80.485	-40.915	-5.676	-5.738
Rohn-L3	Rohn-LC31	51.56	64.980	-67.473	-67.473	-40.750	31.907	64.980	56.488	-5.608
Rohn-L3	Rohn-LC32	51.60	64.902	-67.523	56.413	64.902	31.848	-40.799	-67.523	-5.670
Rohn-L4a	Rohn-LD1P	62.32	0.000	-97.819	-7.234	-49.817	-97.819	-49.827	-7.240	-7.314
Rohn-L4a	Rohn-LD11	52.25	78.090	-82.009	-82.009	-49.666	38.225	78.090	67.858	-7.201
Rohn-L4a	Rohn-LD12	52.29	78.008	-82.067	67.780	78.008	38.162	-49.723	-82.067	-7.269

Rohn-L4a	Rohn-LD2P	73.56	0.000	-115.214	-8.055	-58.350	-115.214	-58.366	-8.064	-8.121
Rohn-L4a	Rohn-LD21	61.50	92.776	-96.320	-96.320	-58.097	45.779	92.776	80.719	-7.937
Rohn-L4a	Rohn-LD22	61.44	92.842	-96.229	80.790	92.842	45.863	-58.005	-96.229	-7.855
Rohn-L4a	Rohn-LD3P	82.46	0.000	-129.428	-8.203	-64.995	-129.428	-65.002	-8.203	-8.258
Rohn-L4a	Rohn-LD31	68.81	105.624	-107.999	-107.999	-64.782	52.645	105.624	92.062	-8.095
Rohn-L4a	Rohn-LD32	68.77	105.699	-107.934	92.137	105.699	52.734	-64.707	-107.934	-8.024
Rohn-L5a	Rohn-LE1P	56.53	0.000	-142.554	-9.096	-71.500	-142.554	-71.508	-9.097	-9.154
Rohn-L5a	Rohn-LE11	47.14	115.954	-118.880	-118.880	-71.329	57.849	115.954	101.111	-9.005
Rohn-L5a	Rohn-LE12	47.11	116.012	-118.819	101.170	116.012	57.923	-71.261	-118.819	-8.944
Rohn-L5a	Rohn-LE2P	61.27	0.000	-154.406	-9.682	-77.227	-154.406	-77.229	-9.676	-9.726
Rohn-L5a	Rohn-LE21	51.03	125.670	-128.582	-128.582	-77.060	62.903	125.670	109.662	-9.587
Rohn-L5a	Rohn-LE22	51.01	125.728	-128.534	109.718	125.728	62.977	-77.001	-128.534	-9.535
Rohn-L5a	Rohn-LE3P	65.93	0.000	-166.261	-10.065	-82.825	-166.261	-82.845	-10.081	-10.130
Rohn-L5a	Rohn-LE31	54.79	135.742	-138.180	-138.180	-82.608	68.296	135.742	118.559	-9.929
Rohn-L5a	Rohn-LE32	54.77	135.772	-138.127	118.595	135.772	68.342	-82.555	-138.127	-9.884
Rohn-L6a	Rohn-LF1P	70.09	0.000	-183.332	-11.297	-91.272	-183.332	-91.292	-11.313	-11.311
Rohn-L6a	Rohn-LF11	58.21	149.056	-152.266	-152.266	-91.124	75.009	149.056	130.227	-11.168
Rohn-L6a	Rohn-LF12	58.17	149.127	-152.171	130.303	149.127	75.095	-91.031	-152.171	-11.082
Rohn-L6a	Rohn-LF2P	66.45	0.000	-203.336	-11.956	-100.694	-203.336	-100.692	-11.947	-11.965
Rohn-L6a	Rohn-LF21	55.06	165.877	-168.483	-168.483	-100.535	84.004	165.877	145.101	-11.830
Rohn-L6a	Rohn-LF22	55.03	165.964	-168.412	145.185	165.964	84.104	-100.452	-168.412	-11.752
Rohn-L7a	Rohn-LG1P	70.15	0.000	-223.050	-13.372	-110.362	-223.050	-110.367	-13.371	-13.376
Rohn-L7a	Rohn-LG11	58.06	180.945	-184.619	-184.619	-110.240	91.707	180.945	158.343	-13.267
Rohn-L7a	Rohn-LG12	58.04	181.017	-184.550	158.415	181.017	91.792	-110.164	-184.550	-13.195
Rohn-L7a	Rohn-LG2P	75.74	0.000	-240.810	-14.185	-118.799	-240.810	-118.802	-14.184	-14.178
Rohn-L7a	Rohn-LG21	62.59	195.385	-198.999	-198.999	-118.676	99.371	195.385	171.104	-14.073
Rohn-L7a	Rohn-LG22	62.57	195.453	-198.934	171.172	195.453	99.449	-118.604	-198.934	-14.007
Rohn-L7a	Rohn-LH1P	69.22	0.000	-257.969	-15.422	-127.169	-257.969	-127.172	-15.421	-15.405
Rohn-L7a	Rohn-LH11	57.15	208.427	-212.960	-212.960	-127.057	106.094	208.427	182.590	-15.306
Rohn-L7a	Rohn-LH12	57.13	208.491	-212.899	182.653	208.491	106.167	-126.991	-212.899	-15.243
Rohn-L7a	Rohn-LH2P	73.53	0.000	-274.022	-16.881	-135.151	-274.022	-135.154	-16.881	-16.853
Rohn-L7a	Rohn-LH21	60.66	220.017	-226.051	-226.051	-135.041	111.932	220.017	192.764	-16.759
Rohn-L7a	Rohn-LH22	60.64	220.078	-225.992	192.824	220.078	112.000	-134.978	-225.992	-16.699
Rohn-L8a	Rohn-LI1P	68.40	0.000	-285.040	-15.516	-139.295	-285.040	-139.298	-15.516	-15.495
Rohn-L8a	Rohn-LI11	56.28	232.365	-234.517	-234.517	-139.172	119.475	232.365	203.935	-15.386
Rohn-L8a	Rohn-LI12	56.26	232.423	-234.460	203.993	232.423	119.539	-139.112	-234.460	-15.328
Rohn-L8a	Rohn-LI2P	65.85	0.000	-302.636	-23.491	-151.538	-302.636	-151.541	-23.491	-23.451
Rohn-L8a	Rohn-LI21	54.42	232.957	-250.127	-250.127	-151.426	116.318	232.957	203.614	-23.345
Rohn-L8a	Rohn-LI22	54.41	233.014	-250.072	203.671	233.014	116.380	-151.367	-250.072	-23.289
Rohn-H1	Rohn-H1P	7.90	0.368	-0.566	-0.398	-0.566	-0.450	0.096	0.368	-0.011
Rohn-H1	Rohn-H11	5.04	0.900	-0.063	-0.063	0.407	0.900	0.487	0.035	-0.011
Rohn-H1	Rohn-H12	9.20	0.418	-0.659	0.418	0.101	-0.537	-0.659	-0.450	-0.013
Rohn-H1	Rohn-H2P	7.01	0.335	-0.359	-0.359	-0.333	-0.050	0.269	0.335	-0.007
Rohn-H1	Rohn-H21	1.14	0.055	-0.059	0.041	0.055	0.027	-0.035	-0.059	-0.006
Rohn-H1	Rohn-H22	6.48	0.309	-0.332	0.309	0.287	0.024	-0.277	-0.332	-0.007
SNB-D1	SNB-DA1P	4.57	0.829	-0.392	-0.392	0.066	0.829	0.775	0.434	0.019
SNB-D1	SNB-DA11	3.61	0.654	-0.615	0.654	0.498	-0.105	-0.591	-0.615	0.019
SNB-D1	SNB-DA12	2.35	0.381	-0.427	-0.343	-0.427	-0.266	0.199	0.381	0.015
SNB-D1	SNB-DA2P	3.80	0.689	-0.371	0.407	0.680	0.689	0.017	-0.371	0.018
SNB-D1	SNB-DA21	2.05	0.372	-0.352	0.372	0.255	-0.133	-0.352	-0.335	0.017
SNB-D1	SNB-DA22	4.98	0.903	-0.863	-0.863	-0.803	-0.095	0.721	0.903	0.019
SNB-D1	SNB-DA3P	6.82	1.236	-0.399	-0.399	0.254	1.236	0.971	0.438	0.018
SNB-D1	SNB-DA31	6.83	1.238	-1.196	1.238	1.101	0.105	-0.986	-1.196	0.020
SNB-D1	SNB-DA32	6.67	0.564	-1.209	-0.529	-1.045	-1.209	-0.102	0.564	0.017
SNB-D1	SNB-DA4P	7.62	1.381	-0.640	0.683	1.252	1.381	0.121	-0.640	0.019
SNB-D1	SNB-DA41	6.70	0.573	-1.214	0.573	-0.101	-1.214	-1.048	-0.531	0.020
SNB-D1	SNB-DA42	5.39	0.977	-0.943	-0.943	-0.839	-0.036	0.808	0.977	0.015
SNB-D1	SNB-DA5P	7.55	1.369	-0.698	-0.698	0.049	1.369	1.287	0.750	0.025
SNB-D1	SNB-DA51	10.00	1.812	-1.772	1.812	1.445	-0.196	-1.625	-1.772	0.021
SNB-D1	SNB-DA52	7.83	0.902	-1.419	-0.865	-1.419	-1.405	0.098	0.902	0.017
SNB-D1	SNB-DA6P	7.32	1.326	-0.585	0.642	1.169	1.326	0.126	-0.585	0.027
SNB-D1	SNB-DA61	9.64	1.183	-1.746	1.183	0.249	-1.582	-1.746	-1.143	0.019
SNB-D1	SNB-DA62	8.87	1.608	-1.573	-1.573	-1.343	0.025	1.382	1.608	0.016
SNB-D1	SNB-DA7P	10.33	1.872	-1.155	-1.155	-0.125	1.809	1.872	1.182	0.012
SNB-D1	SNB-DA71	9.97	1.774	-1.756	1.774	1.603	0.200	-1.409	-1.756	0.009
SNB-D1	SNB-DA72	10.25	0.872	-1.806	-0.869	-1.603	-1.806	-0.108	0.872	-0.000

SNB-D1	SNB-DA8P	10.02	1.816	-1.163	1.196	1.816	1.680	-0.196	-1.163	0.014
SNB-D1	SNB-DA81	8.92	0.709	-1.571	0.709	-0.135	-1.571	-1.339	-0.700	0.002
SNB-D1	SNB-DA82	12.21	2.162	-2.150	-2.150	-1.805	0.093	1.889	2.162	0.006
SNB-D2	SNB-DB1P	14.40	2.089	-1.135	-1.135	0.009	2.089	1.976	1.186	0.025
SNB-D2	SNB-DB11	16.19	2.269	-2.231	2.269	1.966	0.104	-1.858	-2.231	0.021
SNB-D2	SNB-DB12	15.45	1.099	-2.129	-1.060	-1.904	-2.129	-0.059	1.099	0.015
SNB-D2	SNB-DB2P	14.43	2.092	-1.125	1.180	1.971	2.092	0.021	-1.125	0.026
SNB-D2	SNB-DB21	15.56	1.112	-2.145	1.112	-0.058	-2.145	-1.921	-1.071	0.015
SNB-D2	SNB-DB22	16.05	2.251	-2.212	-2.212	-1.839	0.114	1.957	2.251	0.021
SNB-D2	SNB-DB3P	18.91	2.741	-1.328	-1.328	0.151	2.741	2.466	1.391	0.029
SNB-D2	SNB-DB31	22.29	2.969	-2.917	2.969	2.482	-0.073	-2.538	-2.917	0.026
SNB-D2	SNB-DB32	19.83	1.613	-2.594	-1.567	-2.562	-2.594	0.158	1.613	0.023
SNB-D2	SNB-DB4P	18.83	2.730	-1.335	1.398	2.465	2.730	0.141	-1.335	0.029
SNB-D2	SNB-DB41	19.73	1.613	-2.582	1.613	0.162	-2.582	-2.554	-1.568	0.022
SNB-D2	SNB-DB42	22.41	2.987	-2.933	-2.933	-2.555	-0.075	2.497	2.987	0.027
SNB-D2	SNB-DB5P	18.37	2.664	-1.580	-1.580	-0.100	2.664	2.658	1.667	0.045
SNB-D2	SNB-DB51	23.83	3.029	-2.944	3.029	2.657	0.213	-2.428	-2.944	0.045
SNB-D2	SNB-DB52	22.05	1.409	-2.725	-1.314	-2.414	-2.725	-0.085	1.409	0.046
SNB-D2	SNB-DB6P	18.47	2.679	-1.591	1.678	2.674	2.679	-0.101	-1.591	0.045
SNB-D2	SNB-DB61	22.08	1.391	-2.729	1.391	-0.103	-2.729	-2.402	-1.300	0.043
SNB-D2	SNB-DB62	23.71	3.021	-2.930	-2.930	-2.425	0.199	2.644	3.021	0.048
SNB-D2	SNB-DB7P	16.39	2.377	-1.579	-1.579	-0.395	2.029	2.377	1.681	0.047
SNB-D2	SNB-DB71	20.60	2.470	-2.389	2.470	2.326	0.506	-1.823	-2.389	0.046
SNB-D2	SNB-DB72	20.63	0.854	-2.392	-0.753	-1.792	-2.392	-0.404	0.854	0.052
SNB-D2	SNB-DB8P	16.06	2.329	-1.531	1.630	2.329	2.023	-0.355	-1.531	0.044
SNB-D2	SNB-DB81	21.02	0.877	-2.437	0.877	-0.406	-2.437	-1.837	-0.782	0.048
SNB-D2	SNB-DB82	20.38	2.457	-2.363	-2.363	-1.780	0.554	2.337	2.457	0.052
SNB-D3	SNB-DC1P	24.21	4.388	-3.156	-3.156	-0.943	3.703	4.388	3.112	-0.021
SNB-D3	SNB-DC11	25.85	4.628	-4.686	4.628	4.394	0.956	-3.537	-4.686	-0.024
SNB-D3	SNB-DC12	26.38	1.547	-4.781	-1.587	-3.585	-4.781	-0.909	1.547	-0.020
SNB-D3	SNB-DC2P	24.19	4.384	-3.153	3.104	4.384	3.705	-0.938	-3.153	-0.024
SNB-D3	SNB-DC21	26.31	1.502	-4.769	1.502	-0.942	-4.769	-3.542	-1.546	-0.023
SNB-D3	SNB-DC22	26.00	4.665	-4.712	-4.712	-3.571	0.939	4.416	4.665	-0.018
SNB-D3	SNB-DC3P	24.21	4.388	-1.585	-1.585	0.668	4.388	3.694	2.005	0.208
SNB-D3	SNB-DC31	25.22	4.571	-4.211	4.571	3.691	-0.261	-3.791	-4.211	0.201
SNB-D3	SNB-DC32	20.91	2.820	-3.790	-2.416	-3.790	-3.544	0.707	2.820	0.203
SNB-D3	SNB-DC4P	24.27	4.399	-1.583	1.999	3.694	4.399	0.677	-1.583	0.206
SNB-D3	SNB-DC41	20.77	2.793	-3.764	2.793	0.682	-3.544	-3.764	-2.387	0.204
SNB-D3	SNB-DC42	25.25	4.577	-4.213	-4.213	-3.801	-0.276	3.689	4.577	0.203
SNB-D3	SNB-DC5P	22.14	4.013	-2.834	-2.834	-0.827	3.346	4.013	2.875	0.022
SNB-D3	SNB-DC51	22.92	4.150	-4.142	4.150	3.976	0.970	-3.087	-4.142	0.020
SNB-D3	SNB-DC52	23.43	1.298	-4.233	-1.265	-3.078	-4.233	-0.871	1.298	0.012
SNB-D3	SNB-DC6P	22.12	4.009	-2.829	2.872	4.009	3.345	-0.824	-2.829	0.023
SNB-D3	SNB-DC61	23.49	1.319	-4.244	1.319	-0.860	-4.244	-3.096	-1.279	0.015
SNB-D3	SNB-DC62	22.85	4.131	-4.129	-4.129	-3.072	0.977	3.964	4.131	0.016
SNB-D3	SNB-DD1P	25.46	4.614	-3.501	-3.501	-1.242	3.680	4.614	3.397	-0.055
SNB-D3	SNB-DD11	28.84	4.749	-4.875	4.749	4.624	1.221	-3.563	-4.875	-0.051
SNB-D3	SNB-DD12	30.08	1.291	-5.083	-1.429	-3.561	-5.083	-1.233	1.291	-0.064
SNB-D3	SNB-DD2P	25.55	4.631	-3.506	3.412	4.631	3.693	-1.241	-3.506	-0.050
SNB-D3	SNB-DD21	30.07	1.290	-5.083	1.290	-1.236	-5.083	-3.553	-1.420	-0.060
SNB-D3	SNB-DD22	28.82	4.729	-4.871	-4.871	-3.567	1.202	4.600	4.729	-0.059
SNB-D3	SNB-DD3P	31.69	5.744	-1.515	-1.515	1.371	5.744	4.189	1.860	0.168
SNB-D3	SNB-DD31	33.57	5.554	-5.300	5.554	4.169	-1.043	-5.057	-5.300	0.168
SNB-D3	SNB-DD32	32.07	3.904	-5.063	-3.573	-5.063	-4.217	1.346	3.904	0.161
SNB-D3	SNB-DD4P	31.68	5.742	-1.507	1.859	4.185	5.742	1.377	-1.507	0.172
SNB-D3	SNB-DD41	32.13	3.918	-5.073	3.918	1.354	-4.221	-5.073	-3.581	0.164
SNB-D3	SNB-DD42	33.57	5.540	-5.300	-5.300	-5.055	-1.042	4.161	5.540	0.161
SNB-D3	SNB-DD5P	31.31	5.675	-4.081	-4.081	-1.061	5.081	5.675	3.888	-0.098
SNB-D3	SNB-DD51	43.04	6.123	-6.381	6.123	5.687	0.980	-4.926	-6.381	-0.098
SNB-D3	SNB-DD52	43.00	2.180	-6.375	-2.377	-4.953	-6.375	-1.057	2.180	-0.107
SNB-D3	SNB-DD6P	31.31	5.675	-4.080	3.893	5.675	5.077	-1.062	-4.080	-0.095
SNB-D3	SNB-DD61	42.95	2.181	-6.367	2.181	-1.054	-6.367	-4.946	-2.373	-0.105
SNB-D3	SNB-DD62	43.15	6.129	-6.396	-6.396	-4.943	0.970	5.688	6.129	-0.103
SNB-D4	SNB-DE1P	38.16	8.242	-5.648	-5.648	-1.328	7.496	8.242	5.642	-0.001
SNB-D4	SNB-DE11	41.55	8.937	-8.976	8.937	8.251	1.426	-6.949	-8.976	0.001
SNB-D4	SNB-DE12	41.44	3.307	-8.951	-3.324	-6.955	-8.951	-1.316	3.307	-0.003

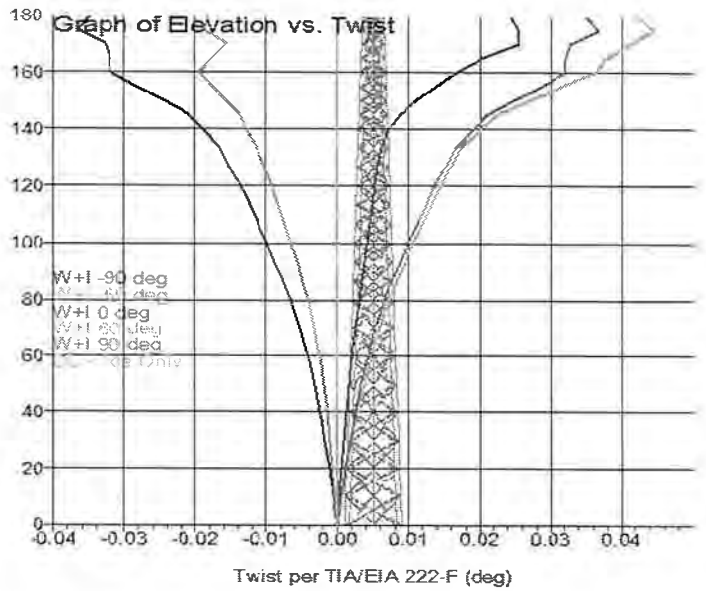
SNB-D4	SNB-DE2P	38.17	8.243	-5.642	5.643	8.243	7.500	-1.322	-5.642	0.001
SNB-D4	SNB-DE21	41.46	3.309	-8.956	3.309	-1.318	-8.956	-6.957	-3.323	-0.002
SNB-D4	SNB-DE22	41.54	8.927	-8.973	-8.973	-6.948	1.423	8.242	8.927	-0.003
SNB-D4	SNB-DE3P	25.91	8.291	-3.363	-3.363	0.931	8.291	6.960	3.815	0.222
SNB-D4	SNB-DE31	26.75	8.561	-8.214	8.561	6.951	-0.496	-7.265	-8.214	0.221
SNB-D4	SNB-DE32	22.70	5.023	-7.264	-4.591	-7.264	-7.167	0.939	5.023	0.216
SNB-D4	SNB-DE4P	25.89	8.285	-3.360	3.815	6.955	8.285	0.931	-3.360	0.223
SNB-D4	SNB-DE41	22.70	5.029	-7.265	5.029	0.945	-7.165	-7.265	-4.593	0.218
SNB-D4	SNB-DE42	26.76	8.564	-8.224	-8.224	-7.274	-0.498	6.955	8.564	0.217
SNB-D4	SNB-DE5P	21.76	6.962	-5.423	-5.423	-1.933	5.692	6.962	5.106	-0.152
SNB-D4	SNB-DE51	23.53	7.183	-7.528	7.183	6.958	1.799	-5.487	-7.528	-0.145
SNB-D4	SNB-DE52	24.93	1.942	-7.977	-2.250	-5.512	-7.977	-1.954	1.942	-0.150
SNB-D4	SNB-DE6P	21.82	6.981	-5.439	5.127	6.981	5.696	-1.946	-5.439	-0.150
SNB-D4	SNB-DE61	24.89	1.933	-7.965	1.933	-1.956	-7.965	-5.496	-2.239	-0.150
SNB-D4	SNB-DE62	23.55	7.184	-7.535	-7.535	-5.503	1.777	6.950	7.184	-0.148
SNB-D5	SNB-DF1P	24.46	7.828	-5.061	-5.061	-0.762	7.627	7.828	5.225	0.051
SNB-D5	SNB-DF11	27.49	8.690	-8.798	8.690	7.818	1.039	-6.982	-8.798	0.055
SNB-D5	SNB-DF12	26.81	3.667	-8.579	-3.543	-6.967	-8.579	-0.747	3.667	0.052
SNB-D5	SNB-DF2P	24.42	7.814	-5.049	5.217	7.814	7.614	-0.758	-5.049	0.053
SNB-D5	SNB-DF21	26.83	3.686	-8.586	3.686	-0.735	-8.586	-6.985	-3.560	0.053
SNB-D5	SNB-DF22	27.51	8.691	-8.801	-8.801	-6.979	1.051	7.825	8.691	0.053
SNB-D5	SNB-DF3P	22.76	7.282	-4.693	-4.693	-0.635	7.213	7.282	4.841	0.067
SNB-D5	SNB-DF31	25.65	8.127	-8.207	8.127	7.269	0.975	-6.500	-8.207	0.070
SNB-D5	SNB-DF32	25.21	3.504	-8.067	-3.320	-6.512	-8.067	-0.642	3.504	0.071
SNB-D5	SNB-DF4P	22.77	7.286	-4.698	4.849	7.286	7.207	-0.643	-4.698	0.068
SNB-D5	SNB-DF41	25.18	3.502	-8.059	3.502	-0.640	-8.059	-6.506	-3.317	0.071
SNB-D5	SNB-DF42	25.68	8.136	-8.217	-8.217	-6.513	0.966	7.273	8.136	0.069
SNB-D6	SNB-DG1P	27.65	8.847	-6.026	-6.026	-1.141	8.570	8.847	5.944	-0.062
SNB-D6	SNB-DG11	31.70	9.797	-10.142	9.797	8.848	1.218	-7.970	-10.142	-0.059
SNB-D6	SNB-DG12	31.42	3.946	-10.055	-4.037	-7.970	-10.055	-1.126	3.946	-0.058
SNB-D6	SNB-DG2P	27.65	8.846	-6.025	5.944	8.846	8.568	-1.141	-6.025	-0.062
SNB-D6	SNB-DG21	31.43	3.945	-10.059	3.945	-1.128	-10.059	-7.971	-4.038	-0.059
SNB-D6	SNB-DG22	31.69	9.797	-10.141	-10.141	-7.970	1.217	8.848	9.797	-0.059
SNB-D6	SNB-DG3P	28.00	8.958	-5.778	-5.778	-0.838	8.851	8.958	6.006	0.103
SNB-D6	SNB-DG31	31.30	9.985	-10.016	9.985	8.952	1.271	-7.891	-10.016	0.104
SNB-D6	SNB-DG32	30.96	4.242	-9.906	-3.994	-7.892	-9.906	-0.834	4.242	0.107
SNB-D6	SNB-DG4P	27.99	8.957	-5.779	6.006	8.957	8.848	-0.840	-5.779	0.102
SNB-D6	SNB-DG41	30.96	4.241	-9.908	4.241	-0.835	-9.908	-7.892	-3.995	0.106
SNB-D6	SNB-DG42	31.30	9.987	-10.016	-10.016	-7.892	1.269	8.952	9.987	0.105
SNB-D6	SNB-DH1P	28.19	9.021	-7.162	-7.162	-1.824	8.787	9.021	5.862	-0.678
SNB-D6	SNB-DH11	36.55	10.072	-11.697	10.072	9.021	0.704	-9.323	-11.697	-0.676
SNB-D6	SNB-DH12	36.35	3.711	-11.632	-5.046	-9.328	-11.632	-1.817	3.711	-0.675
SNB-D6	SNB-DH2P	28.19	9.021	-7.162	5.862	9.021	8.785	-1.825	-7.162	-0.678
SNB-D6	SNB-DH21	36.36	3.710	-11.635	3.710	-1.820	-11.635	-9.330	-5.047	-0.676
SNB-D6	SNB-DH22	36.55	10.074	-11.696	-11.696	-9.323	0.703	9.021	10.074	-0.675
SNB-D6	SNB-DH3P	34.36	10.994	-5.486	-5.486	0.115	10.994	10.848	7.466	0.981
SNB-D6	SNB-DH31	37.88	12.122	-10.450	12.122	10.847	2.093	-8.122	-10.450	0.982
SNB-D6	SNB-DH32	32.06	5.832	-10.259	-3.807	-8.123	-10.259	0.125	5.832	0.984
SNB-D6	SNB-DH4P	34.35	10.991	-5.486	7.466	10.846	10.991	0.114	-5.486	0.981
SNB-D6	SNB-DH41	32.07	5.831	-10.261	5.831	0.123	-10.261	-8.124	-3.808	0.984
SNB-D6	SNB-DH42	37.89	12.123	-10.448	-10.448	-8.122	2.093	10.847	12.123	0.984
SNB-D7	SNB-DI1P	51.36	3.491	-16.434	-16.434	-9.618	3.491	2.791	-1.556	-9.006
SNB-D7	SNB-DI11	71.43	4.594	-22.858	4.594	2.788	-8.266	-20.306	-22.858	-9.004
SNB-D7	SNB-DI12	69.93	0.000	-22.377	-15.308	-20.310	-22.377	-9.612	-2.719	-9.001
SNB-D7	SNB-DI2P	51.36	3.488	-16.434	-1.556	2.790	3.488	-9.619	-16.434	-9.006
SNB-D7	SNB-DI21	69.94	0.000	-22.381	-2.720	-9.615	-22.381	-20.312	-15.309	-9.003
SNB-D7	SNB-DI22	71.43	4.596	-22.856	-22.856	-20.305	-8.266	2.789	4.596	-9.002
SNB-D7	SNB-DI3P	71.21	22.786	0.000	0.785	7.819	22.150	22.786	18.795	9.775
SNB-D7	SNB-DI31	75.05	24.015	-4.757	24.015	22.787	12.115	-1.362	-4.757	9.776
SNB-D7	SNB-DI32	47.55	15.215	-5.032	4.434	-1.364	-5.032	7.829	15.215	9.779
SNB-D7	SNB-DI4P	71.20	22.785	0.000	18.794	22.785	22.147	7.817	0.784	9.774
SNB-D7	SNB-DI41	47.54	15.214	-5.035	15.214	7.827	-5.035	-1.365	4.433	9.778
SNB-D7	SNB-DI42	75.06	24.017	-4.756	-4.756	-1.361	12.115	22.788	24.017	9.778
SNB-L1	SNB-LA1P	1.43	0.000	-1.435	-0.280	-0.842	-1.435	-0.878	-0.316	-0.299
SNB-L1	SNB-LA11	1.06	0.474	-1.066	-1.066	-0.855	-0.080	0.471	0.474	-0.298
SNB-L1	SNB-LA12	1.26	0.692	-1.262	0.672	0.692	0.015	-0.981	-1.262	-0.297

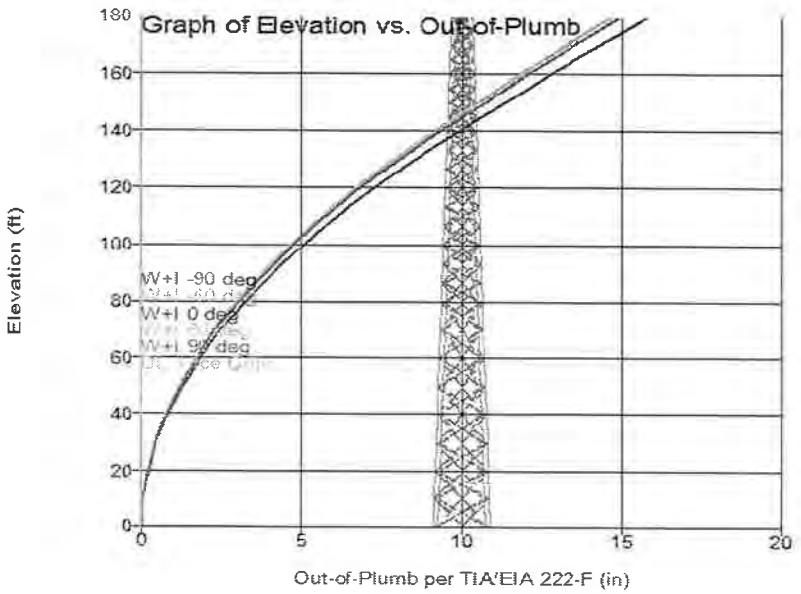
SNB-L1	SNB-LA2P	3.80	0.000	-3.812	-0.600	-2.222	-3.812	-1.936	-0.264	-0.436
SNB-L1	SNB-LA21	3.49	2.988	-3.499	-3.499	-2.292	1.170	2.988	2.642	-0.432
SNB-L1	SNB-LA22	3.28	2.856	-3.290	2.441	2.856	1.252	-2.076	-3.290	-0.426
SNB-L1	SNB-LA3P	7.65	0.000	-7.664	-0.661	-4.073	-7.664	-3.930	-0.490	-0.581
SNB-L1	SNB-LA31	6.76	6.584	-6.769	-6.769	-4.071	3.198	6.584	5.642	-0.570
SNB-L1	SNB-LA32	6.56	6.439	-6.576	5.473	6.439	3.205	-3.908	-6.576	-0.556
SNB-L1	SNB-LA4P	12.32	0.000	-12.346	-0.596	-6.214	-12.346	-6.401	-0.809	-0.709
SNB-L1	SNB-LA41	10.22	10.258	-10.243	-10.243	-6.146	5.008	10.258	8.892	-0.685
SNB-L1	SNB-LA42	10.47	10.532	-10.495	9.182	10.532	5.065	-6.346	-10.495	-0.661
SNB-L2	SNB-LB1P	11.43	0.000	-17.986	-1.195	-9.224	-17.986	-9.221	-1.187	-1.201
SNB-L2	SNB-LB11	9.72	14.988	-15.288	-15.288	-9.239	7.263	14.988	13.007	-1.156
SNB-L2	SNB-LB12	9.69	15.002	-15.252	13.018	15.002	7.286	-9.206	-15.252	-1.128
SNB-L2	SNB-LB2P	15.61	0.000	-24.563	-1.392	-12.412	-24.563	-12.415	-1.392	-1.407
SNB-L2	SNB-LB21	13.14	20.719	-20.672	-20.672	-12.356	10.263	20.719	18.014	-1.346
SNB-L2	SNB-LB22	13.13	20.751	-20.654	18.044	20.751	10.292	-12.337	-20.654	-1.318
SNB-L2	SNB-LB3P	19.97	0.000	-31.429	-1.611	-15.757	-31.429	-15.747	-1.597	-1.623
SNB-L2	SNB-LB31	16.76	26.754	-26.371	-26.371	-15.691	13.369	26.754	23.306	-1.553
SNB-L2	SNB-LB32	16.75	26.782	-26.354	23.328	26.782	13.399	-15.670	-26.354	-1.530
SNB-L2	SNB-LB4P	23.82	0.000	-37.476	-1.785	-18.689	-37.476	-18.713	-1.810	-1.815
SNB-L2	SNB-LB41	19.96	32.086	-31.402	-31.402	-18.619	16.134	32.086	27.959	-1.745
SNB-L2	SNB-LB42	19.94	32.078	-31.379	27.959	32.078	16.125	-18.609	-31.379	-1.730
SNB-L2	SNB-LC1P	31.43	0.000	-46.259	-2.366	-23.114	-46.259	-23.171	-2.431	-2.421
SNB-L2	SNB-LC11	26.33	39.192	-38.759	-38.759	-23.039	19.669	39.192	34.125	-2.351
SNB-L2	SNB-LC12	26.35	39.201	-38.778	34.149	39.201	19.647	-23.068	-38.778	-2.346
SNB-L2	SNB-LC2P	40.14	0.000	-59.033	-3.017	-29.466	-59.033	-29.478	-3.029	-3.045
SNB-L2	SNB-LC21	33.61	49.994	-49.422	-49.422	-29.390	25.097	49.994	43.579	-2.966
SNB-L2	SNB-LC22	33.62	50.008	-49.444	43.593	50.008	25.097	-29.409	-49.444	-2.969
SNB-L2	SNB-LC3P	46.47	0.000	-68.406	-3.112	-33.915	-68.406	-33.899	-3.091	-3.125
SNB-L2	SNB-LC31	38.82	58.592	-57.145	-57.145	-33.815	29.634	58.592	51.151	-3.036
SNB-L2	SNB-LC32	38.82	58.586	-57.137	51.140	58.586	29.640	-33.805	-57.137	-3.037
SNB-L3	SNB-LD1P	55.09	0.000	-79.517	-4.032	-39.595	-79.517	-39.587	-4.021	-4.057
SNB-L3	SNB-LD11	46.03	67.199	-66.441	-66.441	-39.469	33.841	67.199	58.615	-3.957
SNB-L3	SNB-LD12	46.02	67.205	-66.427	58.618	67.205	33.853	-39.455	-66.427	-3.947
SNB-L3	SNB-LD2P	64.58	0.000	-93.172	-4.698	-46.317	-93.172	-46.308	-4.686	-4.713
SNB-L3	SNB-LD21	53.90	78.693	-77.760	-77.760	-46.179	39.695	78.693	68.676	-4.601
SNB-L3	SNB-LD22	53.88	78.717	-77.734	68.696	78.717	39.724	-46.151	-77.734	-4.578
SNB-L3	SNB-LD3P	72.46	0.000	-104.592	-4.760	-51.637	-104.592	-51.639	-4.760	-4.783
SNB-L3	SNB-LD31	60.35	89.132	-87.115	-87.115	-51.495	45.305	89.132	77.887	-4.663
SNB-L3	SNB-LD32	60.33	89.173	-87.087	77.927	89.173	45.344	-51.464	-87.087	-4.629
SNB-L4	SNB-LE1P	44.01	0.000	-121.860	-6.108	-60.344	-121.860	-60.346	-6.109	-6.145
SNB-L4	SNB-LE11	36.65	102.497	-101.486	-101.486	-60.210	51.917	102.497	89.546	-6.019
SNB-L4	SNB-LE12	36.64	102.535	-101.441	89.584	102.535	51.959	-60.166	-101.441	-5.977
SNB-L4	SNB-LE2P	51.15	0.000	-141.573	-6.846	-69.834	-141.573	-69.838	-6.849	-6.873
SNB-L4	SNB-LE21	42.53	119.314	-117.700	-117.700	-69.707	60.685	119.314	104.334	-6.743
SNB-L4	SNB-LE22	42.51	119.362	-117.651	104.383	119.362	60.734	-69.660	-117.651	-6.694
SNB-L4	SNB-LE3P	56.34	0.000	-156.000	-6.944	-76.486	-156.000	-76.477	-6.932	-6.968
SNB-L4	SNB-LE31	46.74	132.298	-129.410	-129.410	-76.348	67.748	132.298	115.829	-6.839
SNB-L4	SNB-LE32	46.72	132.359	-129.360	115.885	132.359	67.812	-76.293	-129.360	-6.785
SNB-L4	SNB-LF1P	69.35	0.000	-176.302	-8.835	-86.797	-176.302	-86.790	-8.826	-8.815
SNB-L4	SNB-LF11	57.51	147.424	-146.207	-146.207	-86.663	75.154	147.424	129.017	-8.689
SNB-L4	SNB-LF12	57.49	147.485	-146.149	129.075	147.485	75.219	-86.602	-146.149	-8.631
SNB-L4	SNB-LF2P	77.77	0.000	-197.715	-9.501	-96.883	-197.715	-96.889	-9.507	-9.489
SNB-L4	SNB-LF21	64.35	165.585	-163.614	-163.614	-96.761	84.847	165.585	145.064	-9.368
SNB-L4	SNB-LF22	64.33	165.644	-163.553	145.125	165.644	84.906	-96.701	-163.553	-9.307
SNB-L5	SNB-LG1P	67.92	0.000	-220.854	-11.385	-108.351	-220.854	-108.355	-11.388	-11.372
SNB-L5	SNB-LG11	56.14	182.852	-182.560	-182.560	-108.236	93.579	182.852	160.217	-11.258
SNB-L5	SNB-LG12	56.12	182.910	-182.497	160.276	182.910	93.639	-108.174	-182.497	-11.196
SNB-L5	SNB-LG2P	75.30	0.000	-244.838	-12.332	-119.678	-244.838	-119.681	-12.334	-12.315
SNB-L5	SNB-LG21	62.12	202.658	-201.985	-201.985	-119.570	104.143	202.658	177.736	-12.207
SNB-L5	SNB-LG22	62.10	202.717	-201.923	177.795	202.717	104.202	-119.509	-201.923	-12.146
SNB-L5	SNB-LH1P	82.83	0.000	-269.346	-13.701	-131.427	-269.346	-131.429	-13.702	-13.670
SNB-L5	SNB-LH11	68.23	222.076	-221.849	-221.849	-131.324	114.355	222.076	194.883	-13.566
SNB-L5	SNB-LH12	68.21	222.133	-221.789	194.941	222.133	114.413	-131.265	-221.789	-13.508
SNB-L5	SNB-LH2P	91.08	0.000	-296.167	-16.374	-144.919	-296.167	-144.920	-16.374	-16.333
SNB-L5	SNB-LH21	74.98	241.043	-243.808	-243.808	-144.820	123.752	241.043	211.494	-16.233
SNB-L5	SNB-LH22	74.96	241.099	-243.750	211.550	241.099	123.808	-144.763	-243.750	-16.176

SNB-L6	SNB-LI1P	74.23	0.000	-314.194	-7.980	-148.303	-314.194	-148.303	-7.981	-7.954
SNB-L6	SNB-LI11	60.58	272.930	-256.444	-256.444	-148.208	145.323	272.930	240.852	-7.859
SNB-L6	SNB-LI12	60.57	272.983	-256.389	240.905	272.983	145.375	-148.155	-256.389	-7.805
SNB-L6	SNB-LI2P	85.80	0.000	-363.175	-29.119	-181.844	-363.175	-181.843	-29.119	-29.055
SNB-L6	SNB-LI21	70.81	276.628	-299.723	-299.723	-181.754	138.113	276.628	241.875	-28.964
SNB-L6	SNB-LI22	70.79	276.679	-299.671	241.926	276.679	138.162	-181.704	-299.671	-28.913
Connect	Connect AP	0.00	0.063	-0.078	-0.014	-0.032	-0.078	0.045	0.063	0.017
Connect	Connect A1	0.00	0.368	-0.421	0.368	0.192	-0.222	-0.421	-0.325	0.014
Connect	Connect A2	0.00	0.432	-0.482	-0.387	-0.482	-0.214	0.261	0.432	0.014
Connect	Connect AaP	0.01	1.232	-0.104	0.177	0.754	1.232	0.517	-0.104	0.031
Connect	Connect Aa1	0.00	0.271	-0.275	0.271	0.120	-0.195	-0.275	-0.192	0.036
Connect	Connect Aa2	0.00	0.277	-0.382	-0.211	-0.382	-0.370	0.046	0.277	0.031
Connect	Connect AbP	0.00	0.148	-0.005	-0.005	0.033	0.128	0.148	0.121	0.055
Connect	Connect Ab1	0.00	1.013	-0.989	1.013	0.673	-0.367	-0.989	-0.918	0.045
Connect	Connect Ab2	0.00	0.397	-0.300	-0.300	-0.246	0.060	0.360	0.397	0.045
Connect	Connect AcP	0.00	0.411	-0.104	0.233	0.380	0.411	0.095	-0.104	0.060
Connect	Connect Ac1	0.00	0.173	-0.059	0.173	0.145	0.034	-0.051	-0.059	0.054
Connect	Connect Ac2	0.00	0.511	-0.547	-0.400	-0.547	-0.357	0.248	0.511	0.054
Connect	Connect BP	0.00	0.265	0.000	0.057	0.164	0.265	0.222	0.110	0.076
Connect	Connect B1	0.00	0.255	-0.017	-0.017	0.073	0.252	0.255	0.190	0.076
Connect	Connect B2	0.00	0.473	-0.196	0.377	0.473	0.393	-0.001	-0.196	0.079
Connect	Connect BaP	0.00	0.827	0.000	0.075	0.453	0.827	0.439	0.054	0.057
Connect	Connect Ba1	0.00	0.853	-0.813	0.853	0.559	-0.318	-0.813	-0.731	0.059
Connect	Connect Ba2	0.00	0.866	-0.835	-0.741	-0.835	-0.335	0.566	0.866	0.062
Connect	Connect BbP	0.00	0.137	0.000	0.082	0.127	0.137	0.114	0.062	0.074
Connect	Connect Bb1	0.00	0.129	0.000	0.129	0.108	0.070	0.034	0.042	0.079
Connect	Connect Bb2	0.00	0.142	0.000	0.035	0.016	0.055	0.114	0.142	0.083
Connect	Connect BcP	0.00	0.252	-0.840	0.154	-0.302	-0.840	-0.215	0.252	0.192
Connect	Connect Bc1	0.00	1.136	-0.674	-0.674	-0.315	0.683	1.136	1.065	0.198
Connect	Connect Bc2	0.01	1.223	-0.719	1.119	1.223	0.774	-0.307	-0.719	0.202
Connect	Connect CP	0.01	2.137	0.000	0.277	1.176	2.137	1.210	0.313	0.305
Connect	Connect C1	0.01	1.887	-1.518	1.887	1.191	-0.658	-1.518	-1.279	0.300
Connect	Connect C2	0.01	2.076	-1.732	-1.471	-1.732	-0.749	1.313	2.076	0.299
Connect	Connect CaP	0.00	0.260	-0.311	0.200	-0.021	-0.311	0.033	0.260	0.227
Connect	Connect Ca1	0.00	0.625	-0.163	-0.163	-0.004	0.445	0.625	0.602	0.224
Connect	Connect Ca2	0.00	0.584	-0.122	0.554	0.584	0.449	0.036	-0.122	0.219
Connect	Connect CbP	0.00	0.375	-0.026	0.336	0.199	-0.026	0.235	0.375	0.359
Connect	Connect Cb1	0.00	0.712	-0.002	-0.002	0.137	0.548	0.712	0.706	0.354
Connect	Connect Cb2	0.00	0.738	-0.029	0.719	0.738	0.576	0.132	-0.029	0.347
Connect	Connect DP	0.00	0.457	0.000	0.453	0.411	0.308	0.400	0.438	0.457
Connect	Connect D1	0.00	0.499	0.000	0.439	0.460	0.499	0.463	0.463	0.458
Connect	Connect D2	0.00	0.471	0.000	0.421	0.409	0.463	0.471	0.465	0.451
Connect	Connect DaP	0.00	1.047	0.000	0.087	0.557	1.047	0.571	0.101	0.095
Connect	Connect Da1	0.00	0.867	-0.796	0.867	0.525	-0.376	-0.796	-0.671	0.097
Connect	Connect Da2	0.00	0.839	-0.757	-0.640	-0.757	-0.350	0.515	0.839	0.099
Connect	Connect DbP	0.01	1.612	0.000	0.187	0.862	1.612	0.849	0.169	0.169
Connect	Connect Db1	0.01	1.399	-1.227	1.399	0.894	-0.529	-1.227	-1.081	0.166
Connect	Connect Db2	0.01	1.408	-1.242	-1.089	-1.242	-0.546	0.896	1.408	0.167
Connect	Connect EP	0.02	4.238	0.000	0.404	2.202	4.238	2.207	0.407	0.442
Connect	Connect E1	0.02	3.604	-3.207	3.604	2.203	-1.559	-3.207	-2.756	0.450
Connect	Connect E2	0.02	3.599	-3.200	-2.749	-3.200	-1.552	2.204	3.599	0.451
Connect	Connect EaP	0.00	0.207	-0.685	0.202	-0.217	-0.685	-0.212	0.206	0.207
Connect	Connect Ea1	0.00	1.020	-0.534	-0.534	-0.210	0.645	1.020	0.912	0.202
Connect	Connect Ea2	0.00	1.022	-0.534	0.914	1.022	0.648	-0.208	-0.534	0.203
Connect	Connect EbP	0.01	0.314	-1.441	0.314	-0.496	-1.441	-0.525	0.279	0.306
Connect	Connect Eb1	0.01	1.991	-1.189	-1.189	-0.549	1.196	1.991	1.798	0.315
Connect	Connect Eb2	0.01	1.960	-1.171	1.781	1.960	1.167	-0.547	-1.171	0.316
Connect	Connect FP	0.00	0.460	0.000	0.396	0.252	0.051	0.253	0.397	0.460
Connect	Connect F1	0.00	0.641	0.000	0.247	0.320	0.549	0.641	0.614	0.458
Connect	Connect F2	0.00	0.733	0.000	0.694	0.733	0.599	0.278	0.169	0.459
Connect	Connect FaP	0.00	0.312	-0.770	0.312	-0.171	-0.770	-0.198	0.279	0.272
Connect	Connect Fa1	0.01	1.185	-0.610	-0.610	-0.212	0.784	1.185	1.089	0.275
Connect	Connect Fa2	0.01	1.158	-0.593	1.074	1.158	0.756	-0.210	-0.593	0.277
Connect	Connect GP	0.01	3.025	0.000	0.197	1.482	3.025	1.489	0.204	0.312
Connect	Connect G1	0.01	2.530	-2.250	2.530	1.504	-1.164	-2.250	-1.978	0.311
Connect	Connect G2	0.01	2.526	-2.241	-1.971	-2.241	-1.154	1.506	2.526	0.312

Connect	Connect GaP	0.00	0.190	-0.468	0.190	-0.100	-0.468	-0.100	0.189	0.154
Connect	Connect Ga1	0.00	0.610	-0.361	-0.361	-0.111	0.430	0.610	0.569	0.155
Connect	Connect Ga2	0.00	0.610	-0.360	0.569	0.610	0.429	-0.110	-0.360	0.156
Connect	Connect HP	0.01	2.277	0.000	0.383	1.244	2.277	1.244	0.384	0.511
Connect	Connect H1	0.01	1.930	-1.163	1.930	1.244	-0.492	-1.163	-0.995	0.509
Connect	Connect H2	0.01	1.930	-1.163	-0.995	-1.163	-0.491	1.245	1.930	0.509
Connect	Connect HaP	0.00	0.240	0.000	0.148	0.189	0.240	0.189	0.149	0.121
Connect	Connect Ha1	0.00	0.210	-0.097	0.210	0.196	0.019	-0.097	-0.073	0.122
Connect	Connect Ha2	0.00	0.211	-0.096	-0.072	-0.096	0.019	0.196	0.211	0.123
Connect	Connect IP	0.04	8.329	0.000	3.278	5.540	8.329	5.540	3.278	3.405
Connect	Connect I1	0.03	7.308	-1.071	7.308	5.531	0.822	-1.071	-0.605	3.406
Connect	Connect I2	0.03	7.309	-1.071	-0.605	-1.071	0.823	5.531	7.309	3.406
Connect	Connect IaP	0.01	0.000	-1.238	-1.229	-0.898	-0.481	-0.898	-1.229	-1.238
Connect	Connect Ia1	0.01	0.000	-2.017	-0.643	-0.889	-1.669	-2.017	-1.936	-1.237
Connect	Connect Ia2	0.01	0.000	-2.016	-1.936	-2.016	-1.668	-0.888	-0.643	-1.236
SNB-H1	SNB-H1aP	0.46	0.101	-0.516	0.101	-0.152	-0.516	-0.316	-0.099	-0.017
SNB-H1	SNB-H1bP	0.20	0.013	-0.219	-0.063	-0.151	-0.219	-0.110	0.013	-0.017
SNB-H1	SNB-H1cP	0.09	0.064	-0.096	-0.096	-0.065	0.021	0.043	0.064	-0.018
SNB-H1	SNB-H1dP	0.19	0.181	-0.212	0.181	0.141	0.022	-0.162	-0.212	-0.018
SNB-H1	SNB-H1eP	0.12	0.000	-0.134	-0.015	-0.096	-0.134	-0.079	-0.034	-0.016
SNB-H1	SNB-H1fP	0.39	0.131	-0.432	-0.127	-0.303	-0.432	-0.080	0.131	-0.016
SNB-H1	SNB-H2aP	0.12	0.126	-0.132	0.126	0.046	-0.132	-0.122	-0.084	0.012
SNB-H1	SNB-H2bP	0.14	0.160	-0.032	-0.032	0.046	0.160	0.103	0.045	0.012
SNB-H1	SNB-H2cP	0.11	0.132	-0.008	0.044	0.101	0.132	0.037	-0.008	0.011
SNB-H1	SNB-H2dP	0.28	0.332	-0.296	0.332	0.328	0.133	-0.188	-0.296	0.011
SNB-H1	SNB-H2eP	0.26	0.307	-0.121	0.134	0.249	0.307	0.047	-0.121	0.012
SNB-H1	SNB-H2fP	0.04	0.047	0.000	0.004	0.023	0.014	0.047	0.038	0.012
SNB-H1	SNB-H3aP	1.26	1.487	-1.116	1.424	1.487	0.658	-0.673	-1.116	0.153
SNB-H1	SNB-H3bP	1.26	1.487	-0.931	1.222	1.487	1.041	-0.359	-0.931	0.153
SNB-H1	SNB-H3cP	1.20	0.394	-1.274	-0.093	-0.734	-1.274	-0.333	0.394	0.149
SNB-H1	SNB-H3dP	1.20	0.294	-1.274	0.294	-0.419	-1.274	-0.648	0.006	0.149
SNB-H1	SNB-H3eP	1.27	1.504	-0.972	-0.972	-0.412	1.004	1.504	1.261	0.152
SNB-H1	SNB-H3fP	1.27	1.504	-1.157	-1.157	-0.727	0.621	1.504	1.463	0.152
SNB-H1	SNB-H4aP	1.40	1.661	-1.125	1.644	1.661	0.700	-0.695	-1.125	0.269
SNB-H1	SNB-H4bP	1.41	1.661	-0.855	1.364	1.661	1.238	-0.242	-0.855	0.269
SNB-H1	SNB-H4cP	1.18	0.554	-1.219	-0.036	-0.689	-1.219	-0.201	0.554	0.265
SNB-H1	SNB-H4dP	1.18	0.513	-1.219	0.513	-0.236	-1.219	-0.654	0.004	0.265
SNB-H1	SNB-H4eP	1.41	1.662	-0.868	-0.868	-0.263	1.220	1.662	1.374	0.267
SNB-H1	SNB-H4fP	1.41	1.662	-1.139	-1.139	-0.716	0.682	1.662	1.654	0.267
SNB-H2	SNB-H5aP	1.73	3.088	-2.360	2.893	3.088	1.479	-1.381	-2.360	0.290
SNB-H2	SNB-H5bP	1.73	3.088	-2.089	2.612	3.088	2.018	-0.926	-2.089	0.290
SNB-H2	SNB-H5cP	1.75	0.543	-2.784	-0.003	-1.394	-2.784	-0.945	0.543	0.290
SNB-H2	SNB-H5dP	1.75	0.549	-2.784	0.549	-0.940	-2.784	-1.399	-0.009	0.290
SNB-H2	SNB-H5eP	1.73	3.088	-2.088	-2.088	-0.925	2.019	3.088	2.610	0.289
SNB-H2	SNB-H5fP	1.73	3.088	-2.359	-2.359	-1.379	1.480	3.088	2.891	0.289
SNB-H2	SNB-H6aP	1.49	2.671	-1.877	2.566	2.671	1.323	-1.049	-1.877	0.399
SNB-H2	SNB-H6bP	1.49	2.671	-1.594	2.277	2.671	1.880	-0.575	-1.594	0.399
SNB-H2	SNB-H6cP	1.40	0.670	-2.164	0.146	-1.000	-2.164	-0.568	0.670	0.393
SNB-H2	SNB-H6dP	1.40	0.719	-2.164	0.719	-0.526	-2.164	-1.042	0.097	0.393
SNB-H2	SNB-H6eP	1.49	2.666	-1.578	-1.578	-0.552	1.898	2.666	2.260	0.398
SNB-H2	SNB-H6fP	1.49	2.666	-1.862	-1.862	-1.027	1.342	2.666	2.549	0.398
SNB-H2	SNB-H7aP	1.76	2.873	-2.656	2.757	2.873	1.337	-1.586	-2.656	0.146
SNB-H2	SNB-H7bP	1.61	2.873	-2.309	2.409	2.873	2.010	-1.008	-2.309	0.146
SNB-H2	SNB-H7cP	2.05	0.535	-3.091	-0.151	-1.575	-3.091	-1.005	0.535	0.143
SNB-H2	SNB-H7dP	2.05	0.544	-3.091	0.544	-0.997	-3.091	-1.583	-0.160	0.143
SNB-H2	SNB-H7eP	1.61	2.878	-2.312	-2.312	-1.007	2.016	2.878	2.410	0.145
SNB-H2	SNB-H7fP	1.76	2.878	-2.659	-2.659	-1.585	1.342	2.878	2.759	0.145
SNB-H2	SNB-H8aP	2.20	3.930	-2.570	3.745	3.930	2.198	-1.279	-2.570	0.694
SNB-H2	SNB-H8bP	2.20	3.930	-2.239	3.413	3.930	2.838	-0.727	-2.239	0.694
SNB-H2	SNB-H8cP	2.14	1.074	-3.138	0.411	-1.281	-3.138	-0.729	1.074	0.691
SNB-H2	SNB-H8dP	2.14	1.075	-3.138	1.075	-0.728	-3.138	-1.281	0.411	0.691
SNB-H2	SNB-H8eP	2.20	3.930	-2.240	-2.240	-0.727	2.838	3.930	3.412	0.693
SNB-H2	SNB-H8fP	2.20	3.930	-2.571	-2.571	-1.280	2.197	3.930	3.745	0.693
SNB-H2	SNB-H9aP	6.70	11.988	0.000	11.696	11.988	9.919	5.592	3.988	7.943
SNB-H2	SNB-H9bP	6.70	11.988	0.000	11.392	11.988	10.508	6.100	4.293	7.943
SNB-H2	SNB-H9cP	4.63	8.283	0.000	7.674	5.586	3.225	6.093	8.283	7.941

SNB-H2	SNB-H9dP	4.63	8.283	0.000	8.283	6.093	3.225	5.586	7.674	7.941
SNB-H2	SNB-H9eP	6.70	11.987	0.000	4.292	6.099	10.507	11.987	11.391	7.943
SNB-H2	SNB-H9fP	6.70	11.987	0.000	3.987	5.592	9.918	11.987	11.695	7.943
WLAC-1	SNB-WL-A1P	0.54	0.146	-0.111	0.146	0.052	-0.107	-0.111	-0.111	-0.000
WLAC-1	SNB-WL-A2P	0.54	0.146	-0.113	-0.112	-0.113	-0.108	0.052	0.146	-0.000
WLAC-1	SNB-WL-A3P	0.75	0.204	-0.036	-0.035	0.055	0.204	0.054	-0.036	-0.000
WLAC-1	SNB-WL-B1P	0.73	0.150	-0.137	0.150	0.069	-0.099	-0.137	-0.131	0.000
WLAC-1	SNB-WL-B2P	0.73	0.149	-0.137	-0.130	-0.137	-0.101	0.068	0.149	0.000
WLAC-1	SNB-WL-B3P	0.74	0.201	-0.021	-0.018	0.070	0.201	0.067	-0.021	0.000
WLAC-1	SNB-WL-C1P	1.25	0.192	-0.195	0.192	0.098	-0.126	-0.195	-0.179	0.001
WLAC-1	SNB-WL-C2P	1.25	0.192	-0.195	-0.180	-0.195	-0.125	0.099	0.192	0.001
WLAC-1	SNB-WL-C3P	0.93	0.252	-0.011	-0.011	0.098	0.252	0.099	-0.010	0.001
WLAC-1	SNB-WL-D1P	2.42	0.272	-0.291	0.272	0.147	-0.176	-0.291	-0.264	0.001
WLAC-1	SNB-WL-D2P	2.42	0.272	-0.291	-0.264	-0.291	-0.176	0.147	0.272	0.001
WLAC-1	SNB-WL-D3P	1.31	0.355	-0.005	-0.005	0.147	0.355	0.147	-0.005	0.001
WLAC-2	SNB-WL-E1P	1.37	0.270	-0.287	0.270	0.145	-0.174	-0.287	-0.261	0.001
WLAC-2	SNB-WL-E2P	1.37	0.270	-0.287	-0.261	-0.287	-0.174	0.145	0.270	0.001
WLAC-2	SNB-WL-E3P	0.84	0.352	-0.006	-0.006	0.145	0.352	0.145	-0.006	0.001
WLAC-2	SNB-WL-F1P	1.87	0.282	-0.306	0.282	0.154	-0.181	-0.306	-0.277	0.001
WLAC-2	SNB-WL-F2P	1.87	0.282	-0.306	-0.277	-0.306	-0.182	0.154	0.282	0.001
WLAC-2	SNB-WL-F3P	0.87	0.366	-0.003	-0.002	0.155	0.366	0.154	-0.003	0.001
WLAC-2	SNB-WL-G1P	2.92	0.342	-0.378	0.342	0.189	-0.221	-0.378	-0.341	0.000
WLAC-2	SNB-WL-G2P	2.92	0.342	-0.378	-0.341	-0.378	-0.221	0.189	0.342	0.000
WLAC-2	SNB-WL-G3P	1.05	0.442	-0.001	-0.001	0.189	0.442	0.189	-0.001	0.000
WLAC-2	SNB-WL-H1P	3.43	0.326	-0.359	0.326	0.181	-0.208	-0.359	-0.323	0.002
WLAC-2	SNB-WL-H2P	3.43	0.326	-0.359	-0.323	-0.359	-0.208	0.181	0.326	0.002
WLAC-2	SNB-WL-H3P	1.00	0.420	0.000	0.001	0.181	0.420	0.181	0.001	0.002
WLAC-2	SNB-WL-I1P	3.62	0.312	-0.313	0.312	0.180	-0.175	-0.313	-0.280	0.016
WLAC-2	SNB-WL-I2P	3.62	0.312	-0.313	-0.280	-0.313	-0.175	0.180	0.312	0.016
WLAC-2	SNB-WL-I3P	0.95	0.397	0.000	0.016	0.180	0.397	0.180	0.016	0.016


Graph of Elevation vs. Twist
180
160
140
120
100
80
60
40
20
0
W+I -90 deg
W+I 0 deg
W+I 90 deg
-0.04
-0.03
-0.02
-0.01
0.00
0.01
0.02
0.03
0.04
Twist per TIA/EIA 222-F (deg)
Elevation (ft)



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

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	-0.00	0.04	0.04
20.00	-0.00	0.06	0.21
30.00	-0.00	0.11	0.42
40.00	-0.00	0.16	0.78
50.00	-0.00	0.20	1.18
60.00	-0.00	0.25	1.73
70.00	-0.01	0.29	2.31
80.00	-0.01	0.34	3.05
86.66	-0.01	0.38	3.57
93.34	-0.01	0.41	4.14
100.00	-0.01	0.44	4.75
106.66	-0.01	0.47	5.39
113.34	-0.01	0.51	6.11
120.00	-0.01	0.54	6.86
126.66	-0.02	0.57	7.64
133.34	-0.02	0.60	8.48
140.00	-0.02	0.62	9.36
145.00	-0.02	0.63	10.00
150.00	-0.02	0.66	10.71
155.00	-0.03	0.65	11.38
160.00	-0.03	0.67	12.09
165.00	-0.03	0.67	12.79
170.00	-0.03	0.68	13.50

175.00	-0.04	0.68	14.22
180.00	-0.03	0.68	14.93

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

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	-0.00	0.04	0.03
20.00	-0.00	0.06	0.20
30.00	-0.00	0.11	0.41
40.00	-0.00	0.16	0.76
50.00	-0.00	0.20	1.16
60.00	-0.00	0.25	1.69
70.00	-0.00	0.28	2.26
80.00	-0.00	0.34	2.98
86.66	-0.00	0.37	3.50
93.34	-0.01	0.40	4.05
100.00	-0.01	0.43	4.65
106.66	-0.01	0.46	5.28
113.34	-0.01	0.50	5.98
120.00	-0.01	0.53	6.72
126.66	-0.01	0.55	7.48
133.34	-0.01	0.59	8.32
140.00	-0.01	0.61	9.17
145.00	-0.01	0.61	9.80
150.00	-0.02	0.65	10.50
155.00	-0.02	0.64	11.16
160.00	-0.02	0.66	11.86
165.00	-0.02	0.66	12.54
170.00	-0.02	0.67	13.25
175.00	-0.02	0.67	13.95
180.00	-0.02	0.67	14.65

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

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.04
20.00	0.00	0.07	0.22
30.00	0.00	0.12	0.45
40.00	0.00	0.17	0.83
50.00	0.00	0.22	1.27
60.00	0.00	0.27	1.85
70.00	0.00	0.31	2.46
80.00	0.00	0.36	3.24
86.66	0.00	0.40	3.80
93.34	0.00	0.43	4.40
100.00	0.00	0.46	5.06
106.66	0.00	0.49	5.74
113.34	0.00	0.54	6.49
120.00	0.01	0.57	7.28
126.66	0.01	0.60	8.11
133.34	0.01	0.63	9.00
140.00	0.01	0.66	9.92
145.00	0.01	0.66	10.60
150.00	0.01	0.70	11.35
155.00	0.01	0.69	12.06

160.00	0.02	0.71	12.80
165.00	0.02	0.71	13.54
170.00	0.03	0.72	14.30
175.00	0.03	0.71	15.04
180.00	0.02	0.72	15.80

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

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.03
20.00	0.00	0.06	0.20
30.00	0.00	0.11	0.41
40.00	0.00	0.16	0.76
50.00	0.00	0.20	1.16
60.00	0.00	0.25	1.69
70.00	0.01	0.28	2.26
80.00	0.01	0.34	2.98
86.66	0.01	0.37	3.49
93.34	0.01	0.40	4.05
100.00	0.01	0.43	4.65
106.66	0.01	0.46	5.28
113.34	0.01	0.50	5.98
120.00	0.01	0.53	6.72
126.66	0.02	0.55	7.48
133.34	0.02	0.59	8.31
140.00	0.02	0.61	9.17
145.00	0.02	0.61	9.80
150.00	0.03	0.65	10.50
155.00	0.03	0.64	11.16
160.00	0.04	0.66	11.85
165.00	0.04	0.66	12.54
170.00	0.04	0.66	13.24
175.00	0.04	0.67	13.94
180.00	0.04	0.67	14.64

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

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	0.00	0.04	0.04
20.00	0.00	0.06	0.21
30.00	0.00	0.11	0.42
40.00	0.00	0.16	0.78
50.00	0.00	0.20	1.18
60.00	0.00	0.25	1.73
70.00	0.01	0.29	2.31
80.00	0.01	0.34	3.04
86.66	0.01	0.38	3.57
93.34	0.01	0.41	4.14
100.00	0.01	0.44	4.75
106.66	0.01	0.47	5.39
113.34	0.01	0.51	6.10
120.00	0.01	0.54	6.85
126.66	0.02	0.56	7.64
133.34	0.02	0.60	8.48
140.00	0.02	0.62	9.35

145.00	0.02	0.63	10.00
150.00	0.02	0.66	10.71
155.00	0.03	0.65	11.38
160.00	0.03	0.67	12.09
165.00	0.03	0.67	12.78
170.00	0.03	0.68	13.49
175.00	0.04	0.68	14.21
180.00	0.03	0.68	14.92

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

Elevation (ft)	Twist (deg)	Sway (deg)	Out of Plumb (in)
0.00	0.00	0.00	0.00
10.00	-0.00	0.03	0.00
20.00	-0.00	-0.01	0.00
30.00	-0.00	0.00	0.00
40.00	-0.00	-0.00	0.00
50.00	-0.00	-0.00	0.00
60.00	-0.00	0.00	0.00
70.00	0.00	-0.00	0.00
80.00	-0.00	0.00	0.00
86.66	0.00	-0.00	0.00
93.34	-0.00	-0.00	0.00
100.00	0.00	-0.00	0.00
106.66	-0.00	-0.00	0.00
113.34	0.00	-0.00	0.00
120.00	0.00	0.00	0.00
126.66	-0.00	-0.00	0.00
133.34	-0.00	-0.00	0.00
140.00	-0.00	-0.00	0.00
145.00	-0.00	-0.00	0.01
150.00	-0.00	-0.00	0.01
155.00	-0.00	-0.00	0.01
160.00	-0.00	-0.00	0.01
165.00	-0.00	-0.00	0.01
170.00	0.00	-0.00	0.01
175.00	-0.00	-0.00	0.01
180.00	-0.00	-0.00	0.01

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

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

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	-0.0004404	-1.246	-0.08339	0.6716	0.0017	-0.0293	4.333	-1.246	179.9
RohnBP	-0.001032	-1.01	-0.07401	0.6812	0.0014	-0.0192	5.12	-1.01	159.9
RohnCP	-0.001578	-0.7817	-0.0644	0.6145	0.0014	-0.0055	5.907	-0.7817	139.9
RohnDP	-0.002098	-0.573	-0.05467	0.5456	0.0009	0.0025	6.693	-0.573	119.9
RohnEP	-0.002583	-0.3973	-0.04518	0.4499	-0.0001	0.0062	7.478	-0.3973	99.95
RohnFP	-0.003019	-0.2547	-0.03599	0.3734	-0.0011	0.0073	8.265	-0.2547	79.96
RohnGP	-0.003431	-0.1448	-0.02693	0.2692	0.0001	0.0057	9.052	-0.1448	59.97
RohnHP	-0.003774	-0.06541	-0.01804	0.1846	0.0024	0.0044	9.837	-0.06541	39.98
RohnIP	-0.003763	-0.01758	-0.009075	0.0932	0.0197	0.0029	10.63	-0.01758	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.0003439	-1.244	-0.08026	0.6797	-0.0039	0.0004	2.333	-1.244	179.9
SNB-BP	-0.0002473	-1.007	-0.07099	0.6696	-0.0027	0.0006	3.121	-1.007	159.9
SNB-CP	-0.0007943	-0.7793	-0.06174	0.6280	-0.0034	0.0022	3.907	-0.7793	139.9
SNB-DP	-0.001316	-0.572	-0.05255	0.5527	-0.0080	0.0028	4.694	-0.572	119.9
SNB-EP	-0.001802	-0.3962	-0.04344	0.4431	-0.0052	0.0028	5.479	-0.3962	99.96
SNB-FP	-0.002238	-0.2546	-0.03472	0.3710	-0.0080	0.0027	6.266	-0.2546	79.97
SNB-GP	-0.002651	-0.1445	-0.02602	0.2742	-0.0102	0.0034	7.052	-0.1445	59.97
SNB-HP	-0.002994	-0.06555	-0.01742	0.1844	-0.0071	0.0033	7.838	-0.06555	39.98
SNB-IP	-0.002983	-0.01743	-0.008737	0.0942	0.0107	0.0031	8.625	-0.01743	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	-0.0001012	-1.241	-0.127	0.6813	0.0030	-0.0322	-2.167	-4.993	179.9
RohnA2	0.004267	-1.244	-0.03948	0.6789	0.0020	-0.0349	-2.162	2.508	180
RohnB1	-0.0004022	-1.004	-0.1243	0.6677	0.0037	-0.0288	-2.561	-5.439	159.9
RohnB2	0.004372	-1.008	-0.0234	0.6704	-0.0024	-0.0313	-2.556	3.427	160
RohnC1	0.0003076	-0.7761	-0.1181	0.6223	-0.0069	-0.0222	-2.954	-5.893	139.9
RohnC2	0.003379	-0.7807	-0.01042	0.6220	0.0092	-0.0235	-2.951	4.337	140
RohnD1	0.0001334	-0.5686	-0.1071	0.5462	-0.0038	-0.0171	-3.347	-6.367	119.9
RohnD2	0.003467	-0.5736	-0.001954	0.5473	0.0053	-0.0181	-3.344	5.224	120
RohnE1	0.0005489	-0.3929	-0.09323	0.4472	0.0030	-0.0128	-3.74	-6.872	99.91
RohnE2	0.003023	-0.3983	0.003081	0.4476	-0.0012	-0.0135	-3.737	6.08	100
RohnF1	0.0005907	-0.2512	-0.07798	0.3565	0.0085	-0.0099	-4.133	-7.411	79.92
RohnF2	0.003038	-0.257	0.006153	0.3586	-0.0059	-0.0103	-4.131	6.903	80.01
RohnG1	0.001035	-0.1411	-0.0604	0.2659	0.0008	-0.0070	-4.526	-7.983	59.94
RohnG2	0.002726	-0.1474	0.006643	0.2660	-0.0001	-0.0073	-4.525	7.695	60.01
RohnH1	0.001208	-0.06209	-0.04214	0.1830	-0.0001	-0.0047	-4.919	-8.585	39.96
RohnH2	0.00271	-0.06874	0.006131	0.1789	-0.0018	-0.0049	-4.918	8.454	40.01
RohnI1	0.0015	-0.01435	-0.02105	0.1012	-0.0054	-0.0022	-5.314	-9.22	19.98
RohnI2	0.002305	-0.02087	0.002937	0.0669	-0.0138	-0.0023	-5.313	9.185	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	0.001701	-1.243	-0.1041	0.6756	0.0041	0.0003	-1.165	-3.263	179.9
SNB-A2	0.001718	-1.245	-0.0563	0.6826	0.0030	-0.0014	-1.165	0.7759	179.9
SNB-B1	0.001568	-1.006	-0.1021	0.6626	0.0044	0.0002	-1.559	-3.709	159.9
SNB-B2	0.001587	-1.009	-0.03976	0.6691	0.0001	-0.0014	-1.559	1.694	160
SNB-C1	0.001436	-0.7778	-0.09815	0.6222	0.0039	-0.0007	-1.953	-4.162	139.9
SNB-C2	0.001534	-0.7808	-0.02518	0.6293	0.0014	-0.0019	-1.952	2.604	140
SNB-D1	0.001357	-0.5703	-0.09095	0.5419	0.0067	-0.0011	-2.346	-4.636	119.9
SNB-D2	0.001473	-0.5738	-0.01402	0.5570	0.0029	-0.0021	-2.346	3.492	120
SNB-E1	0.00131	-0.3943	-0.07904	0.4359	0.0045	-0.0012	-2.739	-5.141	99.92
SNB-E2	0.001474	-0.3983	-0.007721	0.4458	0.0019	-0.0018	-2.739	4.348	99.99
SNB-F1	0.001334	-0.2525	-0.06806	0.3533	0.0106	-0.0012	-3.133	-5.681	79.93
SNB-F2	0.001488	-0.2569	-0.001259	0.3676	-0.0016	-0.0017	-3.133	5.171	80
SNB-G1	0.001374	-0.1422	-0.05371	0.2544	0.0118	-0.0016	-3.526	-6.252	59.95
SNB-G2	0.00158	-0.1471	0.001746	0.2722	-0.0008	-0.0019	-3.526	5.963	60
SNB-H1	0.001427	-0.06312	-0.03806	0.1747	0.0058	-0.0016	-3.919	-6.854	39.96
SNB-H2	0.001692	-0.06843	0.003267	0.1871	0.0017	-0.0018	-3.919	6.722	40
SNB-I1	0.001328	-0.01515	-0.01926	0.0947	-0.0002	-0.0015	-4.313	-7.487	19.98

SNB-I2	0.001685	-0.02033	0.001809	0.0761	-0.0103	-0.0016	-4.312	7.452	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	-0.0005723	-1.188	-0.08107	0.6841	0.0018	-0.0264	4.529	-1.188	174.9
RohnAbS	-0.0007187	-1.128	-0.07871	0.6891	0.0017	-0.0237	4.726	-1.128	169.9
RohnAcS	-0.0008589	-1.068	-0.07636	0.6669	0.0020	-0.0222	4.923	-1.068	164.9
RohnBaS	-0.001129	-0.9511	-0.07162	0.6571	0.0020	-0.0161	5.317	-0.9511	154.9
RohnBbS	-0.001313	-0.8948	-0.06925	0.6678	0.0016	-0.0116	5.514	-0.8948	149.9
RohnBcS	-0.001397	-0.8355	-0.0668	0.6528	0.0015	-0.0081	5.711	-0.8355	144.9
RohnCaS	-0.001681	-0.7089	-0.06117	0.6257	0.0003	-0.0015	6.169	-0.7089	133.3
RohnCbS	-0.001833	-0.6382	-0.0579	0.5830	0.0016	0.0004	6.431	-0.6382	126.6
RohnDaS	-0.002159	-0.5104	-0.05149	0.5288	-0.0003	0.0043	6.955	-0.5104	113.3
RohnDbS	-0.002329	-0.451	-0.04831	0.4839	0.0016	0.0051	7.217	-0.451	106.6
RohnEaS	-0.002645	-0.346	-0.0421	0.4259	-0.0001	0.0066	7.74	-0.346	93.3
RohnEbS	-0.002826	-0.2987	-0.03904	0.3882	0.0013	0.0065	8.003	-0.2987	86.62
RohnFaS	-0.002936	-0.1931	-0.03143	0.3117	0.0006	0.0061	8.659	-0.1931	69.97
RohnGaS	-0.003342	-0.09928	-0.02247	0.2276	-0.0006	0.0051	9.445	-0.09928	49.98
RohnHaS	-0.003811	-0.03515	-0.01357	0.1360	-0.0070	0.0035	10.23	-0.03515	29.99
RohnIaS	-0.005926	-0.003119	-0.004806	0.0522	-0.0225	0.0017	11.02	-0.003119	9.995
SNB-AaS	0.0002128	-1.184	-0.07795	0.6810	0.0022	0.0007	2.53	-1.184	174.9
SNB-AbS	6.529e-005	-1.125	-0.07563	0.6816	0.0003	0.0008	2.727	-1.125	169.9
SNB-AcS	-7.481e-005	-1.066	-0.0733	0.6735	0.0022	0.0007	2.924	-1.066	164.9
SNB-BaS	-0.0003457	-0.9488	-0.06867	0.6661	0.0021	0.0013	3.317	-0.9488	154.9
SNB-BbS	-0.0005273	-0.8913	-0.06635	0.6558	0.0003	0.0017	3.514	-0.8913	149.9
SNB-BcS	-0.0006149	-0.8345	-0.06404	0.6422	0.0021	0.0020	3.711	-0.8345	144.9
SNB-CaS	-0.0008982	-0.7066	-0.05865	0.6168	0.0006	0.0030	4.169	-0.7066	133.3
SNB-CbS	-0.001051	-0.6369	-0.05558	0.5754	0.0035	0.0026	4.432	-0.6369	126.6
SNB-DaS	-0.001377	-0.5082	-0.04949	0.5344	0.0017	0.0036	4.955	-0.5082	113.3
SNB-DbS	-0.001547	-0.4491	-0.04643	0.4777	0.0024	0.0028	5.218	-0.4491	106.6
SNB-EaS	-0.001864	-0.3452	-0.04052	0.4275	0.0009	0.0031	5.741	-0.3452	93.3
SNB-EbS	-0.002046	-0.2978	-0.0376	0.3842	0.0029	0.0024	6.004	-0.2978	86.62
SNB-FaS	-0.002156	-0.192	-0.03033	0.3120	0.0050	0.0027	6.659	-0.192	69.97
SNB-GaS	-0.002562	-0.09821	-0.0217	0.2246	0.0044	0.0032	7.445	-0.09821	49.98
SNB-HaS	-0.00303	-0.03417	-0.0131	0.1371	-0.0024	0.0032	8.231	-0.03417	29.99
SNB-IaS	-0.005145	-0.002306	-0.004734	0.0513	-0.0168	0.0018	9.016	-0.002306	9.995
SNB-WL-A1S	0.001027	-1.243	-0.09232	0.6774	0.0006	0.0021	0.5843	-2.253	179.9
SNB-WL-A2S	0.001706	-1.244	-0.08032	0.6781	0.0035	-0.0000	-1.165	-1.244	179.9
SNB-WL-A3S	0.001024	-1.244	-0.0684	0.6808	-0.0010	-0.0027	0.5843	-0.2339	179.9
SNB-WL-B1S	0.0006664	-1.007	-0.08677	0.6646	0.0034	0.0020	0.7809	-2.358	159.9
SNB-WL-B2S	0.001574	-1.007	-0.07112	0.6588	0.0022	0.0001	-1.559	-1.007	159.9
SNB-WL-B3S	0.0006601	-1.008	-0.05552	0.6673	-0.0047	-0.0027	0.7809	0.3435	159.9
SNB-WL-C1S	0.0003523	-0.7786	-0.08039	0.6223	0.0051	0.0021	0.9774	-2.471	139.9
SNB-WL-C2S	0.001485	-0.7793	-0.06208	0.6142	0.0026	-0.0005	-1.953	-0.7793	139.9
SNB-WL-C3S	0.0003353	-0.7801	-0.04384	0.6257	-0.0061	-0.0020	0.9773	0.9121	140
SNB-WL-D1S	6.539e-005	-0.5712	-0.07298	0.5448	0.0037	0.0016	1.174	-2.604	119.9
SNB-WL-D2S	0.001419	-0.572	-0.05366	0.5389	0.0048	-0.0003	-2.346	-0.572	119.9
SNB-WL-D3S	2.799e-005	-0.573	-0.0344	0.5521	-0.0073	-0.0016	1.174	1.46	120
SNB-WL-E1S	-0.0001934	-0.3953	-0.06216	0.4357	0.0061	0.0013	1.37	-2.769	99.94
SNB-WL-E2S	0.001395	-0.3963	-0.04426	0.4257	0.0032	-0.0007	-2.739	-0.3963	99.96
SNB-WL-E3S	-0.0002213	-0.3973	-0.02641	0.4406	-0.0083	-0.0008	1.37	1.976	99.97
SNB-WL-F1S	-0.0003993	-0.2537	-0.05327	0.3594	0.0061	0.0008	1.567	-2.968	79.95
SNB-WL-F2S	0.001415	-0.2547	-0.0363	0.3490	0.0045	-0.0004	-3.133	-0.2547	79.96
SNB-WL-F3S	-0.0004356	-0.2559	-0.01938	0.3663	-0.0099	-0.0006	1.567	2.458	79.98
SNB-WL-G1S	-0.0005622	-0.1435	-0.04311	0.2631	0.0027	0.0006	1.763	-3.198	59.96
SNB-WL-G2S	0.001474	-0.1447	-0.02894	0.2586	0.0055	-0.0005	-3.526	-0.1447	59.97
SNB-WL-G3S	-0.0006154	-0.1459	-0.01482	0.2720	-0.0076	-0.0002	1.763	2.909	59.99
SNB-WL-H1S	-0.0006963	-0.06449	-0.03207	0.1772	0.0035	0.0006	1.96	-3.46	39.97
SNB-WL-H2S	0.001568	-0.06578	-0.02164	0.1712	0.0038	-0.0008	-3.919	-0.06578	39.98
SNB-WL-H3S	-0.0007539	-0.06717	-0.01124	0.1834	-0.0069	0.0002	1.959	3.328	39.99
SNB-WL-I1S	-0.000803	-0.01634	-0.019	0.0927	0.0082	0.0007	2.156	-3.752	19.98
SNB-WL-I2S	0.001688	-0.01774	-0.01347	0.0786	-0.0052	-0.0013	-4.312	-0.01774	19.99
SNB-WL-I3S	-0.000862	-0.01926	-0.007964	0.0834	-0.0028	0.0006	2.156	3.717	19.99
RohnAa1	-0.0002504	-1.181	-0.1267	0.6782	-0.0009	-0.0313	-2.265	-5.104	174.9
RohnAa2	0.004348	-1.185	-0.03518	0.6827	-0.0006	-0.0342	-2.261	2.738	175
RohnAb1	-0.0001879	-1.122	-0.1261	0.6796	0.0031	-0.0306	-2.364	-5.216	169.9
RohnAb2	0.004603	-1.125	-0.03104	0.6781	0.0015	-0.0331	-2.359	2.968	170

RohnAc1	-0.0006036	-1.062	-0.1253	0.6761	0.0001	-0.0297	-2.463	-5.327	164.9		
RohnAc2	0.004398	-1.067	-0.02712	0.6726	0.0051	-0.0319	-2.458	3.198	165		
RohnBa1	-0.0006675	-0.9457	-0.1232	0.6594	-0.0065	-0.0271	-2.66	-5.551	154.9		
RohnBa2	0.004497	-0.9498	-0.01977	0.6585	0.0099	-0.0289	-2.655	3.656	155		
RohnBb1	0.000271	-0.8884	-0.1218	0.6559	0.0007	-0.0258	-2.757	-5.665	149.9		
RohnBb2	0.00356	-0.8927	-0.01636	0.6567	0.0015	-0.0277	-2.754	3.883	150		
RohnBc1	-0.0005656	-0.8312	-0.1202	0.6432	0.0018	-0.0242	-2.857	-5.778	144.9		
RohnBc2	0.0043	-0.8356	-0.01319	0.6429	0.0012	-0.0259	-2.852	4.111	145		
RohnCa1	4.006e-005	-0.7042	-0.1152	0.6080	0.0077	-0.0210	-3.085	-6.048	133.2		
RohnCa2	0.003558	-0.7088	-0.006864	0.6099	-0.0053	-0.0225	-3.082	4.635	133.3		
RohnCb1	-0.0004926	-0.6347	-0.1116	0.5830	-0.0007	-0.0191	-3.217	-6.206	126.5		
RohnCb2	0.004038	-0.6393	-0.003996	0.5817	0.0020	-0.0203	-3.213	4.932	126.7		
RohnDa1	-3.492e-006	-0.5064	-0.1031	0.5191	0.0054	-0.0160	-3.478	-6.531	113.2		
RohnDa2	0.003487	-0.5114	0.000377	0.5204	-0.0027	-0.0169	-3.475	5.513	113.3		
RohnDb1	-0.0002304	-0.4475	-0.09845	0.4870	-0.0045	-0.0143	-3.61	-6.7	106.6		
RohnDb2	0.003667	-0.4527	0.002036	0.4855	0.0048	-0.0150	-3.606	5.799	106.7		
RohnEa1	4.665e-005	-0.3427	-0.08852	0.4163	0.0035	-0.0118	-3.871	-7.048	93.25		
RohnEa2	0.003414	-0.3481	0.004491	0.4171	-0.0017	-0.0124	-3.868	6.358	93.34		
RohnEb1	0.00027	-0.2953	-0.08343	0.3937	-0.0052	-0.0107	-4.003	-7.229	86.58		
RohnEb2	0.003246	-0.3009	0.005521	0.3925	0.0047	-0.0111	-4	6.632	86.67		
RohnFa1	-0.001007	-0.1925	-0.06959	0.3145	-0.0028	-0.0083	-4.332	-7.694	69.93		
RohnFa2	0.00428	-0.1981	0.006837	0.3141	0.0030	-0.0086	-4.326	7.303	70.01		
RohnGa1	-0.000429	-0.09831	-0.05158	0.2246	0.0006	-0.0058	-4.724	-8.281	49.95		
RohnGa2	0.003879	-0.1044	0.006719	0.2259	0.0006	-0.0061	-4.72	8.078	50.01		
RohnHa1	-0.0001666	-0.03434	-0.03191	0.1310	0.0019	-0.0033	-5.118	-8.899	29.97		
RohnHa2	0.003942	-0.0411	0.004813	0.1434	0.0054	-0.0035	-5.114	8.823	30		
RohnIa1	0.001347	-0.0003541	-0.01099	0.0333	0.0095	-0.0012	-5.511	-9.548	9.989		
RohnIa2	0.004499	-0.0107	0.001388	0.0722	0.0130	-0.0012	-5.508	9.537	10		
SNB-Aa1	0.001616	-1.183	-0.1038	0.6810	0.0001	0.0002	-1.263	-3.374	174.9		
SNB-Aa2	0.001667	-1.185	-0.052	0.6807	0.0001	-0.0015	-1.263	1.006	174.9		
SNB-Ab1	0.001563	-1.124	-0.1034	0.6787	0.0024	0.0001	-1.362	-3.486	169.9		
SNB-Ab2	0.001709	-1.126	-0.04777	0.6794	-0.0005	-0.0016	-1.362	1.236	170		
SNB-Ac1	0.001428	-1.065	-0.1028	0.6775	-0.0011	0.0001	-1.461	-3.597	164.9		
SNB-Ac2	0.001745	-1.067	-0.04368	0.6741	0.0017	-0.0014	-1.46	1.465	165		
SNB-Ba1	0.001323	-0.9479	-0.1014	0.6660	0.0008	-0.0002	-1.658	-3.821	154.9		
SNB-Ba2	0.001732	-0.9504	-0.03586	0.6640	-0.0004	-0.0017	-1.657	1.923	155		
SNB-Bb1	0.001396	-0.8901	-0.1005	0.6556	0.0007	-0.0004	-1.756	-3.934	149.9		
SNB-Bb2	0.001645	-0.8928	-0.03211	0.6569	0.0012	-0.0018	-1.756	2.151	150		
SNB-Bc1	0.001318	-0.8333	-0.09939	0.6444	-0.0008	-0.0006	-1.854	-4.047	144.9		
SNB-Bc2	0.001629	-0.8361	-0.02855	0.6424	0.0007	-0.0019	-1.854	2.378	145		
SNB-Ca1	0.000981	-0.7058	-0.09617	0.6084	0.0054	-0.0011	-2.084	-4.317	133.2		
SNB-Ca2	0.001855	-0.7089	-0.02101	0.6089	-0.0039	-0.0023	-2.083	2.903	133.3		
SNB-Cb1	0.0007481	-0.6364	-0.09373	0.5841	-0.0045	-0.0010	-2.216	-4.475	126.6		
SNB-Cb2	0.002011	-0.6396	-0.0173	0.5795	0.0029	-0.0020	-2.214	3.199	126.6		
SNB-Da1	0.000599	-0.5077	-0.0875	0.5227	0.0074	-0.0015	-2.478	-4.8	113.3		
SNB-Da2	0.002085	-0.5112	-0.01136	0.5208	-0.0073	-0.0024	-2.476	3.781	113.3		
SNB-Db1	0.0003736	-0.4489	-0.0835	0.4890	-0.0062	-0.0012	-2.609	-4.969	106.6		
SNB-Db2	0.002293	-0.4525	-0.009272	0.4860	0.0052	-0.0019	-2.607	4.067	106.7		
SNB-Ea1	0.0008377	-0.3441	-0.07578	0.4205	0.0045	-0.0014	-2.871	-5.318	93.26		
SNB-Ea2	0.001862	-0.348	-0.005152	0.4197	-0.0040	-0.0020	-2.87	4.626	93.33		
SNB-Eb1	0.0008352	-0.2966	-0.07208	0.3945	-0.0057	-0.0010	-3.002	-5.498	86.59		
SNB-Eb2	0.001908	-0.3008	-0.003015	0.3904	0.0039	-0.0015	-3.001	4.901	86.66		
SNB-Fa1	-0.0008536	-0.1935	-0.06123	0.3198	-0.0043	-0.0012	-3.332	-5.963	69.94		
SNB-Fa2	0.003392	-0.1977	0.0006364	0.3119	0.0001	-0.0016	-3.327	5.571	70		
SNB-Ga1	-0.0005408	-0.09915	-0.04621	0.2302	-0.0031	-0.0015	-3.725	-6.549	49.95		
SNB-Ga2	0.003264	-0.1038	0.00286	0.2231	-0.0008	-0.0018	-3.721	6.346	50		
SNB-Ha1	-0.0005333	-0.03503	-0.02905	0.1360	0.0007	-0.0015	-4.118	-7.166	29.97		
SNB-Ha2	0.003579	-0.04041	0.00287	0.1403	0.0020	-0.0017	-4.114	7.091	30		
SNB-Ia1	0.0007685	-0.0009227	-0.01032	0.0386	0.0073	-0.0008	-4.51	-7.814	9.99		
SNB-Ia2	0.004347	-0.009882	0.0008562	0.0677	0.0095	-0.0009	-4.506	7.803	10		

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

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

RohnJP	7.26	0.0	1.84	0.0	20.23	0.0	0.0	21.58	0.0	-0.13	0.0	5.8	0.0	0.01	0.0	0.0
SNB-JP	15.29	0.0	3.77	0.0	19.73	0.0	0.0	25.24	0.0	1.59	0.0	10.9	0.0	0.08	0.0	0.0
RohnJ1	4.06	0.0	8.50	0.0	250.86	0.0	0.0	251.04	0.0	2.32	0.0	-1.2	0.0	0.00	0.0	0.0
RohnJ2	-11.30	0.0	21.08	0.0	-210.74	0.0	0.0	212.10	0.0	-7.73	0.0	-4.4	0.0	0.01	0.0	0.0
SNB-J1	5.24	0.0	12.86	0.0	302.63	0.0	0.0	302.95	0.0	4.10	0.0	-1.4	0.0	-0.04	0.0	0.0
SNB-J2	-20.54	0.0	39.30	0.0	-263.36	0.0	0.0	267.07	0.0	-14.83	0.0	-9.4	0.0	-0.04	0.0	0.0

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

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	0.0000	-1.3800	-0.5163	0.0000	1.3800	0.5163	-0.0004	-1.2465	-0.0834
RohnBP	0.0000	-1.4777	-0.6990	0.0000	1.4777	0.6990	-0.0010	-1.0103	-0.0740
RohnCP	0.0000	-1.1811	-0.9164	-0.0000	1.1811	0.9164	-0.0016	-0.7817	-0.0644
RohnDP	0.0000	-1.3577	-1.5344	0.0000	1.3577	1.5344	-0.0021	-0.5730	-0.0547
RohnEP	0.0000	-0.5735	-0.8607	-0.0000	0.5735	0.8607	-0.0026	-0.3973	-0.0452
RohnFP	0.0000	-0.7246	-1.1597	0.0000	0.7246	1.1597	-0.0030	-0.2547	-0.0360
RohnGP	0.0000	-0.6873	-1.3973	0.0000	0.6873	1.3973	-0.0034	-0.1448	-0.0269
RohnHP	0.0000	-0.6489	-1.5256	0.0000	0.6489	1.5256	-0.0038	-0.0654	-0.0180
RohnIP	0.0000	-0.7154	-1.7796	0.0000	0.7154	1.7796	-0.0038	-0.0176	-0.0091
RohnJP	0.0000	-0.3798	-0.9782	-7.2578	-1.4587	-19.2567	0.0000	0.0000	0.0000
SNB-AP	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	0.0003	-1.2437	-0.0803
SNB-BP	0.0000	-0.3457	-0.3242	0.0000	0.3457	0.3242	-0.0002	-1.0073	-0.0710
SNB-CP	0.0000	-0.4780	-0.5084	0.0000	0.4780	0.5084	-0.0008	-0.7793	-0.0617
SNB-DP	0.0000	-0.5620	-0.6945	0.0000	0.5620	0.6945	-0.0013	-0.5720	-0.0526
SNB-EP	0.0000	-0.5735	-0.8607	0.0000	0.5735	0.8607	-0.0018	-0.3962	-0.0434
SNB-FP	0.0000	-0.6409	-1.1382	0.0000	0.6409	1.1382	-0.0022	-0.2546	-0.0347
SNB-GP	0.0000	-0.6873	-1.3973	0.0000	0.6873	1.3973	-0.0027	-0.1445	-0.0260
SNB-HP	0.0000	-0.6489	-1.5256	0.0000	0.6489	1.5256	-0.0030	-0.0656	-0.0174
SNB-IP	0.0000	-0.6921	-1.7596	0.0000	0.6921	1.7596	-0.0030	-0.0174	-0.0087
SNB-JP	0.0000	-0.3798	-0.9782	-15.2858	-3.3855	-18.7483	0.0000	0.0000	0.0000
RohnA1	0.0000	-1.5593	-0.5671	0.0000	1.5593	0.5671	-0.0001	-1.2406	-0.1270
RohnA2	0.0000	-1.8067	-0.7492	0.0000	1.8067	0.7492	0.0043	-1.2441	-0.0395
RohnB1	0.0000	-0.6389	-0.4690	0.0000	0.6389	0.4690	-0.0004	-1.0039	-0.1243
RohnB2	0.0000	-0.6207	-0.4090	0.0000	0.6207	0.4090	0.0044	-1.0079	-0.0234
RohnC1	0.0000	-1.2373	-1.0764	0.0000	1.2373	1.0764	0.0003	-0.7761	-0.1181
RohnC2	0.0000	-1.5213	-1.1654	0.0000	1.5213	1.1654	0.0034	-0.7807	-0.0104
RohnD1	0.0000	-1.3577	-1.5344	0.0000	1.3577	1.5344	0.0001	-0.5686	-0.1071
RohnD2	0.0000	-1.3577	-1.5344	0.0000	1.3577	1.5344	0.0035	-0.5736	-0.0020
RohnE1	0.0000	-0.5735	-0.8607	0.0000	0.5735	0.8607	0.0005	-0.3929	-0.0932
RohnE2	0.0000	-0.5735	-0.8607	0.0000	0.5735	0.8607	0.0030	-0.3983	0.0031
RohnF1	0.0000	-0.8204	-1.2092	0.0000	0.8204	1.2092	0.0006	-0.2512	-0.0780
RohnF2	0.0000	-0.7246	-1.1597	0.0000	0.7246	1.1597	0.0030	-0.2570	0.0062
RohnG1	0.0000	-0.7149	-1.4173	0.0000	0.7149	1.4173	0.0010	-0.1411	-0.0604
RohnG2	0.0000	-0.7149	-1.4173	0.0000	0.7149	1.4173	0.0027	-0.1474	0.0066
RohnH1	0.0000	-0.6489	-1.5256	0.0000	0.6489	1.5256	0.0012	-0.0621	-0.0421
RohnH2	0.0000	-0.6489	-1.5256	0.0000	0.6489	1.5256	0.0027	-0.0687	0.0061
RohnI1	0.0000	-0.6921	-1.7596	-0.0000	0.6921	1.7596	0.0015	-0.0143	-0.0211
RohnI2	0.0000	-0.6921	-1.7596	-0.0000	0.6921	1.7596	0.0023	-0.0209	0.0029
RohnJ1	0.0000	-0.3798	-0.9782	-4.0637	-8.1226	-249.8802	0.0000	0.0000	0.0000
RohnJ2	0.0000	-0.3798	-0.9782	11.3003	-20.7017	211.7207	0.0000	0.0000	0.0000
SNB-A1	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1348	0.0017	-1.2427	-0.1041
SNB-A2	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1348	0.0017	-1.2446	-0.0563
SNB-B1	0.0000	-0.3457	-0.3242	-0.0000	0.3457	0.3242	0.0016	-1.0060	-0.1021
SNB-B2	0.0000	-0.3457	-0.3242	-0.0000	0.3457	0.3242	0.0016	-1.0085	-0.0398
SNB-C1	0.0000	-0.4780	-0.5084	-0.0000	0.4780	0.5084	0.0014	-0.7778	-0.0982
SNB-C2	0.0000	-0.4780	-0.5084	-0.0000	0.4780	0.5084	0.0015	-0.7808	-0.0252
SNB-D1	0.0000	-0.5620	-0.6945	-0.0000	0.5619	0.6945	0.0014	-0.5703	-0.0910
SNB-D2	0.0000	-0.5620	-0.6945	-0.0000	0.5620	0.6945	0.0015	-0.5738	-0.0140
SNB-E1	0.0000	-0.5735	-0.8607	-0.0000	0.5735	0.8607	0.0013	-0.3943	-0.0790
SNB-E2	0.0000	-0.5735	-0.8607	-0.0000	0.5735	0.8607	0.0015	-0.3983	-0.0077
SNB-F1	0.0000	-0.6409	-1.1382	-0.0000	0.6409	1.1382	0.0013	-0.2525	-0.0681

SNB-F2	0.0000	-0.6409	-1.1382	-0.0000	0.6409	1.1382	0.0015	-0.2569	-0.0013
SNB-G1	0.0000	-0.6873	-1.3973	-0.0000	0.6873	1.3973	0.0014	-0.1422	-0.0537
SNB-G2	0.0000	-0.6873	-1.3973	-0.0000	0.6873	1.3973	0.0016	-0.1471	0.0017
SNB-H1	0.0000	-0.6489	-1.5256	-0.0000	0.6489	1.5256	0.0014	-0.0631	-0.0381
SNB-H2	0.0000	-0.6489	-1.5256	-0.0000	0.6489	1.5256	0.0017	-0.0684	0.0033
SNB-I1	0.0000	-0.6921	-1.7596	-0.0000	0.6921	1.7596	0.0013	-0.0151	-0.0193
SNB-I2	0.0000	-0.6921	-1.7596	-0.0000	0.6921	1.7596	0.0017	-0.0203	0.0018
SNB-J1	0.0000	-0.3798	-0.9782	-5.2362	-12.4836	-301.6509	0.0000	0.0000	0.0000
SNB-J2	0.0000	-0.3798	-0.9782	20.5433	-38.9246	264.3355	0.0000	0.0000	0.0000
RohnAaS	0.0000	-1.2463	-0.3647	-0.0000	1.2463	0.3647	-0.0006	-1.1876	-0.0811
RohnAbS	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1347	-0.0007	-1.1276	-0.0787
RohnAcS	0.0000	-0.1647	-0.1547	-0.0000	0.1647	0.1547	-0.0009	-1.0684	-0.0764
RohnBaS	0.0000	-0.1994	-0.1894	-0.0000	0.1994	0.1894	-0.0011	-0.9511	-0.0716
RohnBbS	0.0000	-1.8582	-1.1644	-0.0000	1.8582	1.1644	-0.0013	-0.8948	-0.0693
RohnBcS	0.0000	-0.2526	-0.2644	-0.0000	0.2526	0.2644	-0.0014	-0.8355	-0.0668
RohnCaS	0.0000	-1.9787	-1.0982	-0.0000	1.9787	1.0982	-0.0017	-0.7089	-0.0612
RohnCbS	0.0000	-0.3604	-0.4890	-0.0000	0.3604	0.4890	-0.0018	-0.6382	-0.0579
RohnDaS	0.0000	-0.4123	-0.6205	-0.0000	0.4123	0.6205	-0.0022	-0.5104	-0.0515
RohnDbS	0.0000	-0.2834	-0.3755	-0.0000	0.2834	0.3755	-0.0023	-0.4510	-0.0483
RohnEaS	0.0000	-0.2901	-0.4851	0.0000	0.2901	0.4851	-0.0026	-0.3460	-0.0421
RohnEbS	0.0000	-0.3360	-0.5601	0.0000	0.3360	0.5601	-0.0028	-0.2987	-0.0390
RohnFaS	0.0000	-0.3508	-0.6531	0.0000	0.3508	0.6531	-0.0029	-0.1931	-0.0314
RohnGaS	0.0000	-0.3366	-0.7442	0.0000	0.3366	0.7442	-0.0033	-0.0993	-0.0225
RohnHaS	0.0000	-0.3123	-0.7814	0.0000	0.3123	0.7814	-0.0038	-0.0351	-0.0136
RohnIaS	0.0000	-0.3798	-0.9782	0.0000	0.3798	0.9782	-0.0059	-0.0031	-0.0048
SNB-AaS	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	0.0002	-1.1843	-0.0780
SNB-AbS	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	0.0001	-1.1249	-0.0756
SNB-AcS	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	-0.0001	-1.0656	-0.0733
SNB-BaS	0.0000	-0.1994	-0.1894	0.0000	0.1994	0.1894	-0.0003	-0.9488	-0.0687
SNB-BbS	0.0000	-0.1994	-0.1894	-0.0000	0.1994	0.1894	-0.0005	-0.8913	-0.0664
SNB-BcS	0.0000	-0.1994	-0.1894	0.0000	0.1994	0.1894	-0.0006	-0.8345	-0.0640
SNB-CaS	0.0000	-0.2785	-0.3190	0.0000	0.2785	0.3190	-0.0009	-0.7066	-0.0587
SNB-CbS	0.0000	-0.2785	-0.3190	0.0000	0.2785	0.3190	-0.0011	-0.6369	-0.0556
SNB-DaS	0.0000	-0.2834	-0.3755	0.0000	0.2834	0.3755	-0.0014	-0.5082	-0.0495
SNB-DbS	0.0000	-0.2834	-0.3755	0.0000	0.2834	0.3755	-0.0015	-0.4491	-0.0464
SNB-EaS	0.0000	-0.2901	-0.4851	0.0000	0.2901	0.4851	-0.0019	-0.3452	-0.0405
SNB-EbS	0.0000	-0.2901	-0.4851	0.0000	0.2901	0.4851	-0.0020	-0.2978	-0.0376
SNB-FaS	0.0000	-0.3508	-0.6531	0.0000	0.3508	0.6531	-0.0022	-0.1920	-0.0303
SNB-GaS	0.0000	-0.3366	-0.7442	0.0000	0.3366	0.7442	-0.0026	-0.0982	-0.0217
SNB-HaS	0.0000	-0.3123	-0.7814	0.0000	0.3123	0.7814	-0.0030	-0.0342	-0.0131
SNB-IaS	0.0000	-0.3798	-0.9782	0.0000	0.3798	0.9782	-0.0051	-0.0023	-0.0047
SNB-WL-A1S	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1347	0.0010	-1.2432	-0.0923
SNB-WL-A2S	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	0.0017	-1.2437	-0.0803
SNB-WL-A3S	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	0.0010	-1.2441	-0.0684
SNB-WL-B1S	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1347	0.0007	-1.0067	-0.0868
SNB-WL-B2S	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	0.0016	-1.0073	-0.0711
SNB-WL-B3S	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	0.0007	-1.0079	-0.0555
SNB-WL-C1S	0.0000	-0.1994	-0.1894	-0.0000	0.1994	0.1894	0.0004	-0.7786	-0.0804
SNB-WL-C2S	0.0000	-0.1994	-0.1894	0.0000	0.1994	0.1894	0.0015	-0.7793	-0.0621
SNB-WL-C3S	0.0000	-0.1994	-0.1894	0.0000	0.1994	0.1894	0.0003	-0.7801	-0.0438
SNB-WL-D1S	0.0000	-0.2785	-0.3190	-0.0000	0.2785	0.3190	0.0001	-0.5712	-0.0730
SNB-WL-D2S	0.0000	-0.2785	-0.3190	0.0000	0.2785	0.3190	0.0014	-0.5720	-0.0537
SNB-WL-D3S	0.0000	-0.2785	-0.3190	0.0000	0.2785	0.3190	0.0000	-0.5730	-0.0344
SNB-WL-E1S	0.0000	-0.2834	-0.3755	-0.0000	0.2834	0.3755	-0.0002	-0.3953	-0.0622
SNB-WL-E2S	0.0000	-0.2834	-0.3755	0.0000	0.2834	0.3755	0.0014	-0.3963	-0.0443
SNB-WL-E3S	0.0000	-0.2834	-0.3755	0.0000	0.2834	0.3755	-0.0002	-0.3973	-0.0264
SNB-WL-F1S	0.0000	-0.2901	-0.4851	-0.0000	0.2901	0.4851	-0.0004	-0.2537	-0.0533
SNB-WL-F2S	0.0000	-0.2901	-0.4851	0.0000	0.2901	0.4851	0.0014	-0.2547	-0.0363
SNB-WL-F3S	0.0000	-0.2901	-0.4851	0.0000	0.2901	0.4851	-0.0004	-0.2559	-0.0194
SNB-WL-G1S	0.0000	-0.3508	-0.6531	-0.0000	0.3508	0.6531	-0.0006	-0.1435	-0.0431
SNB-WL-G2S	0.0000	-0.3508	-0.6531	0.0000	0.3508	0.6531	0.0015	-0.1447	-0.0289
SNB-WL-G3S	0.0000	-0.3508	-0.6531	0.0000	0.3508	0.6531	-0.0006	-0.1459	-0.0148
SNB-WL-H1S	0.0000	-0.3366	-0.7442	-0.0000	0.3366	0.7442	-0.0007	-0.0645	-0.0321
SNB-WL-H2S	0.0000	-0.3366	-0.7442	0.0000	0.3366	0.7442	0.0016	-0.0658	-0.0216
SNB-WL-H3S	0.0000	-0.3366	-0.7442	0.0000	0.3366	0.7442	-0.0008	-0.0672	-0.0112
SNB-WL-I1S	0.0000	-0.3123	-0.7814	-0.0000	0.3123	0.7814	-0.0008	-0.0163	-0.0190

SNB-WL-I2S	0.0000	-0.3123	-0.7814	0.0000	0.3123	0.7814	0.0017	-0.0177	-0.0135
SNB-WL-I3S	0.0000	-0.3123	-0.7814	0.0000	0.3123	0.7814	-0.0009	-0.0193	-0.0080
RohnAa1	0.0000	-0.3910	-0.2045	0.0000	0.3910	0.2045	-0.0003	-1.1811	-0.1267
RohnAa2	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	0.0043	-1.1848	-0.0352
RohnAb1	0.0000	-1.2223	-0.3547	0.0000	1.2223	0.3547	-0.0002	-1.1219	-0.1261
RohnAb2	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	0.0046	-1.1253	-0.0310
RohnAc1	0.0000	-0.1463	-0.1347	0.0000	0.1463	0.1347	-0.0006	-1.0624	-0.1253
RohnAc2	0.0000	-0.4597	-0.2272	0.0000	0.4597	0.2272	0.0044	-1.0665	-0.0271
RohnBa1	0.0000	-0.1994	-0.1894	0.0000	0.1994	0.1894	-0.0007	-0.9457	-0.1232
RohnBa2	0.0000	-0.1994	-0.1894	0.0000	0.1994	0.1894	0.0045	-0.9498	-0.0198
RohnBb1	0.0000	-1.8127	-1.1444	0.0000	1.8127	1.1444	0.0003	-0.8884	-0.1218
RohnBb2	0.0000	-1.8127	-1.1444	0.0000	1.8127	1.1444	0.0036	-0.8927	-0.0164
RohnBc1	0.0000	-0.1994	-0.1894	0.0000	0.1994	0.1894	-0.0006	-0.8312	-0.1202
RohnBc2	0.0000	-0.1994	-0.1894	0.0000	0.1994	0.1894	0.0043	-0.8356	-0.0132
RohnCa1	0.0000	-2.0271	-1.1232	0.0000	2.0271	1.1232	0.0000	-0.7042	-0.1152
RohnCa2	0.0000	-2.1777	-1.1712	0.0000	2.1777	1.1712	0.0036	-0.7088	-0.0069
RohnCb1	0.0000	-0.2785	-0.3190	0.0000	0.2785	0.3190	-0.0005	-0.6347	-0.1116
RohnCb2	0.0000	-0.2785	-0.3190	0.0000	0.2785	0.3190	0.0040	-0.6393	-0.0040
RohnDa1	0.0000	-0.3363	-0.5355	0.0000	0.3363	0.5355	-0.0000	-0.5064	-0.1031
RohnDa2	0.0000	-0.2834	-0.3755	0.0000	0.2834	0.3755	0.0035	-0.5114	0.0004
RohnDb1	0.0000	-0.2834	-0.3755	0.0000	0.2834	0.3755	-0.0002	-0.4475	-0.0984
RohnDb2	0.0000	-0.2834	-0.3755	0.0000	0.2834	0.3755	0.0037	-0.4527	0.0020
RohnEa1	0.0000	-0.2901	-0.4851	0.0000	0.2901	0.4851	0.0000	-0.3427	-0.0885
RohnEa2	0.0000	-0.2901	-0.4851	0.0000	0.2901	0.4851	0.0034	-0.3481	0.0045
RohnEb1	0.0000	-0.2901	-0.4851	0.0000	0.2901	0.4851	0.0003	-0.2953	-0.0834
RohnEb2	0.0000	-0.2901	-0.4851	0.0000	0.2901	0.4851	0.0032	-0.3009	0.0055
RohnFa1	0.0000	-0.3508	-0.6531	0.0000	0.3508	0.6531	-0.0010	-0.1925	-0.0696
RohnFa2	0.0000	-0.3508	-0.6531	0.0000	0.3508	0.6531	0.0043	-0.1981	0.0068
RohnGa1	0.0000	-0.3366	-0.7442	0.0000	0.3366	0.7442	-0.0004	-0.0983	-0.0516
RohnGa2	0.0000	-0.3366	-0.7442	0.0000	0.3366	0.7442	0.0039	-0.1044	0.0067
RohnHa1	0.0000	-0.3123	-0.7814	0.0000	0.3123	0.7814	-0.0002	-0.0343	-0.0319
RohnHa2	0.0000	-0.3123	-0.7814	0.0000	0.3123	0.7814	0.0039	-0.0411	0.0048
RohnIa1	0.0000	-0.3798	-0.9782	0.0000	0.3798	0.9782	0.0013	-0.0004	-0.0110
RohnIa2	0.0000	-0.3798	-0.9782	0.0000	0.3798	0.9782	0.0045	-0.0107	0.0014
SNB-Aa1	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1347	0.0016	-1.1833	-0.1038
SNB-Aa2	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1347	0.0017	-1.1853	-0.0520
SNB-Ab1	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1347	0.0016	-1.1240	-0.1034
SNB-Ab2	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1347	0.0017	-1.1260	-0.0478
SNB-Ac1	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1347	0.0014	-1.0647	-0.1028
SNB-Ac2	0.0000	-0.1463	-0.1347	-0.0000	0.1463	0.1347	0.0017	-1.0671	-0.0437
SNB-Ba1	0.0000	-0.1994	-0.1894	-0.0000	0.1994	0.1894	0.0013	-0.9479	-0.1014
SNB-Ba2	0.0000	-0.1994	-0.1894	-0.0000	0.1994	0.1894	0.0017	-0.9504	-0.0359
SNB-Bb1	0.0000	-0.1994	-0.1894	-0.0000	0.1994	0.1894	0.0014	-0.8901	-0.1005
SNB-Bb2	0.0000	-0.1994	-0.1894	-0.0000	0.1994	0.1894	0.0016	-0.8928	-0.0321
SNB-Bc1	0.0000	-0.1994	-0.1894	-0.0000	0.1994	0.1894	0.0013	-0.8333	-0.0994
SNB-Bc2	0.0000	-0.1994	-0.1894	-0.0000	0.1994	0.1894	0.0016	-0.8361	-0.0286
SNB-Ca1	0.0000	-0.2785	-0.3190	-0.0000	0.2785	0.3190	0.0010	-0.7058	-0.0962
SNB-Ca2	0.0000	-0.2785	-0.3190	-0.0000	0.2785	0.3190	0.0019	-0.7089	-0.0210
SNB-Cb1	0.0000	-0.2785	-0.3190	-0.0000	0.2785	0.3190	0.0007	-0.6364	-0.0937
SNB-Cb2	0.0000	-0.2785	-0.3190	-0.0000	0.2785	0.3190	0.0020	-0.6396	-0.0173
SNB-Da1	0.0000	-0.2834	-0.3755	-0.0000	0.2834	0.3755	0.0006	-0.5077	-0.0875
SNB-Da2	0.0000	-0.2834	-0.3755	-0.0000	0.2834	0.3755	0.0021	-0.5112	-0.0114
SNB-Db1	0.0000	-0.2834	-0.3755	-0.0000	0.2834	0.3755	0.0004	-0.4489	-0.0835
SNB-Db2	0.0000	-0.2834	-0.3755	-0.0000	0.2834	0.3755	0.0023	-0.4525	-0.0093
SNB-Ea1	0.0000	-0.2901	-0.4851	-0.0000	0.2901	0.4851	0.0008	-0.3441	-0.0758
SNB-Ea2	0.0000	-0.2901	-0.4851	-0.0000	0.2901	0.4851	0.0019	-0.3480	-0.0052
SNB-Eb1	0.0000	-0.2901	-0.4851	-0.0000	0.2901	0.4851	0.0008	-0.2966	-0.0721
SNB-Eb2	0.0000	-0.2901	-0.4851	-0.0000	0.2901	0.4851	0.0019	-0.3008	-0.0030
SNB-Fa1	0.0000	-0.3508	-0.6531	-0.0000	0.3508	0.6531	-0.0009	-0.1935	-0.0612
SNB-Fa2	0.0000	-0.3508	-0.6531	-0.0000	0.3508	0.6531	0.0034	-0.1977	0.0006
SNB-Ga1	0.0000	-0.3366	-0.7442	-0.0000	0.3366	0.7442	-0.0005	-0.0991	-0.0462
SNB-Ga2	0.0000	-0.3366	-0.7442	-0.0000	0.3366	0.7442	0.0033	-0.1038	0.0029
SNB-Ha1	0.0000	-0.3123	-0.7814	0.0000	0.3123	0.7814	-0.0005	-0.0350	-0.0290
SNB-Ha2	0.0000	-0.3123	-0.7814	0.0000	0.3123	0.7814	0.0036	-0.0404	0.0029
SNB-Ia1	0.0000	-0.3798	-0.9782	0.0000	0.3798	0.9782	0.0008	-0.0009	-0.0103
SNB-Ia2	0.0000	-0.3798	-0.9782	0.0000	0.3798	0.9782	0.0043	-0.0099	0.0009

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	-4.81	0.76	-0.22	-64.60	-0.91	-12.76	-0.23
Rohn-LA11	-1.56	7.36	-1.54	23.54	18.72	6.18	3.43
Rohn-LA12	-1.80	6.73	1.52	-12.95	14.55	-1.24	3.21
Rohn-LA2P	-4.81	64.60	0.90	38.40	1.55	20.59	0.49
Rohn-LA21	-1.56	-23.54	-18.72	-30.99	-39.66	-10.90	-11.67
Rohn-LA22	-1.80	12.95	-14.55	36.59	-25.22	9.90	-7.95
Rohn-LA3P	-4.81	-38.40	-1.55	75.71	-3.03	7.46	-0.92
Rohn-LA31	-1.56	30.99	39.66	49.40	55.35	16.07	19.00
Rohn-LA32	-1.80	-36.59	25.22	-7.65	6.38	-8.84	6.32
Rohn-LA4P	-4.81	-75.71	3.03	-149.88	6.06	-45.10	1.82
Rohn-LA41	-1.55	-49.40	-55.35	-6.25	-73.68	-11.13	-25.80
Rohn-LA42	-1.80	7.65	-6.38	19.01	32.35	5.33	5.19
Rohn-LB1P	-13.03	155.94	-4.93	353.97	-9.76	101.94	-2.93
Rohn-LB11	-4.41	14.27	70.98	83.45	156.48	19.54	45.48
Rohn-LB12	-5.05	-9.88	-28.69	89.36	-131.75	15.89	-32.07
Rohn-LB2P	-13.03	-353.97	9.74	-444.07	13.10	-159.55	4.56
Rohn-LB21	-4.41	-83.44	-156.48	-54.30	-216.47	-27.54	-74.58
Rohn-LB22	-5.06	-89.36	131.75	-74.50	201.53	-32.75	66.62
Rohn-LB3P	-13.02	444.07	-13.10	567.35	-12.61	202.21	-5.13
Rohn-LB31	-4.43	54.31	216.46	160.07	208.11	42.87	84.91
Rohn-LB32	-5.04	74.50	-201.53	189.23	-199.70	52.72	-80.20
Rohn-LB4P	-13.03	-567.35	12.59	-250.47	13.93	-163.51	5.30
Rohn-LB41	-4.39	-160.06	-208.12	13.54	-135.30	-29.30	-68.68
Rohn-LB42	-5.07	-189.24	199.69	-15.52	132.91	-40.92	66.48
Rohn-LC1P	-13.05	250.47	-13.93	141.92	-3.32	58.90	-2.59
Rohn-LC11	-4.41	-13.53	135.30	123.25	-4.51	16.47	19.64
Rohn-LC12	-5.03	15.52	-132.91	130.86	5.25	21.96	-19.16
Rohn-LC2P	-13.05	-141.92	3.32	263.66	-9.29	18.22	-0.89
Rohn-LC21	-4.41	-123.25	4.51	115.74	85.02	-1.12	13.40
Rohn-LC22	-5.03	-130.86	-5.25	138.69	-75.15	1.17	-12.03
Rohn-LC3P	-13.05	-263.66	9.29	93.25	15.55	-25.58	3.73
Rohn-LC31	-4.38	-115.74	-85.02	236.62	-54.39	18.15	-20.94
Rohn-LC32	-5.05	-138.69	75.15	191.28	43.24	7.89	17.76
Rohn-LD1P	-13.05	-93.25	-15.55	240.28	-6.83	22.07	-3.36
Rohn-LD11	-4.39	-236.61	54.39	304.38	-11.90	10.18	6.38
Rohn-LD12	-5.04	-191.28	-43.24	346.32	14.57	23.26	-4.30
Rohn-LD2P	-13.05	-240.28	6.83	654.03	-6.76	61.92	0.01
Rohn-LD21	-4.39	-304.38	11.90	336.24	83.40	4.77	14.27
Rohn-LD22	-5.05	-346.32	-14.57	347.52	-68.93	0.18	-12.49
Rohn-LD3P	-13.05	-654.03	6.75	23.04	19.35	-94.71	3.92
Rohn-LD31	-4.39	-336.23	-83.40	459.75	-137.51	18.55	-33.18
Rohn-LD32	-5.05	-347.52	68.93	410.77	112.04	9.49	27.15
Rohn-LE1P	-13.04	-23.04	-19.35	572.27	-19.70	82.44	-5.86
Rohn-LE11	-4.39	-459.74	137.51	308.63	126.59	-22.69	39.66
Rohn-LE12	-5.04	-410.77	-112.04	348.35	-100.62	-9.37	-31.90
Rohn-LE2P	-13.04	-572.27	19.70	362.34	-14.68	-31.41	0.75
Rohn-LE21	-4.36	-308.62	-126.59	252.33	89.42	-8.43	-5.57
Rohn-LE22	-5.06	-348.35	100.62	263.01	-59.77	-12.76	6.11
Rohn-LE3P	-13.05	-362.34	14.68	5.50	73.83	-53.56	13.29
Rohn-LE31	-4.32	-252.32	-89.42	672.08	-429.92	63.04	-78.00
Rohn-LE32	-5.08	-263.01	59.77	579.22	323.30	47.43	57.47
Rohn-LF1P	-13.02	-5.49	-73.83	1677.76	-117.93	167.17	-19.17
Rohn-LF11	-4.51	-672.07	429.92	477.10	739.06	-19.50	116.93
Rohn-LF12	-4.94	-579.22	-323.30	637.16	-566.09	5.79	-88.86
Rohn-LF2P	-13.08	-1677.76	117.92	-517.45	130.78	-219.45	24.86
Rohn-LF21	-4.15	-477.08	-739.07	849.02	-838.27	37.21	-157.78
Rohn-LF22	-5.22	-637.17	566.08	677.11	649.92	3.99	121.48
Rohn-LG1P	-13.03	517.45	-130.79	1884.29	-107.30	240.09	-23.80
Rohn-LG11	-4.55	-849.01	838.28	508.64	847.60	-34.05	168.63

Rohn-LG12	-4.89	-677.11	-649.92	637.73	-672.31	-3.93	-132.10
Rohn-LG2P	-13.06	-1884.29	107.29	-473.54	7.47	-235.70	11.47
Rohn-LG21	-4.15	-508.62	-847.61	857.05	-825.01	34.85	-167.31
Rohn-LG22	-5.23	-637.73	672.30	906.02	752.13	26.80	142.31
Rohn-LH1P	-12.97	473.54	-7.47	2067.50	303.31	254.02	29.58
Rohn-LH11	-4.63	-857.04	825.02	850.17	760.16	-0.69	158.57
Rohn-LH12	-4.88	-906.03	-752.13	262.19	-990.29	-64.32	-174.07
Rohn-LH2P	-12.60	-2067.50	-303.32	-661.05	-1180.39	-272.76	-148.32
Rohn-LH21	-4.30	-850.16	-760.17	127.96	-520.10	-72.25	-128.08
Rohn-LH22	-5.54	-262.20	990.28	2246.49	1620.29	198.22	260.79
Rohn-LI1P	-13.08	661.04	1180.38	3562.01	4161.39	422.16	534.00
Rohn-LI11	-4.60	-127.96	520.10	4675.06	-537.05	454.83	-1.69
Rohn-LI12	-4.79	-2246.51	-1620.27	-2617.24	-3518.25	-485.91	-513.36
Rohn-LI2P	-11.25	-3562.00	-4161.40	129.58	-5750.45	-343.13	-990.86
Rohn-LI21	-4.77	-4675.06	537.07	-2318.95	1211.31	-699.62	174.89
Rohn-LI22	-6.35	2617.16	3518.31	7724.60	4438.86	1033.18	794.95
Rohn-H1P	-0.58	-1.49	1.84	-2.12	1.35	-0.48	0.43
Rohn-H11	-0.06	5.82	0.11	5.42	-0.34	1.50	-0.03
Rohn-H12	-0.40	-1.99	2.05	-1.34	3.00	-0.45	0.67
Rohn-H2P	0.57	-4.28	3.68	-3.05	2.30	-0.83	0.67
Rohn-H21	-0.34	7.04	0.49	7.42	0.14	1.63	0.07
Rohn-H22	0.40	-4.25	3.06	-5.49	4.77	-1.10	0.88
SNB-LA1P	-0.36	16.47	55.34	7.36	12.58	4.76	13.58
SNB-LA11	0.25	74.25	-29.56	35.93	-2.02	22.03	-6.31
SNB-LA12	0.11	-34.02	-21.67	-20.94	-0.96	-10.99	-4.53
SNB-LA2P	-0.36	-7.36	-12.58	-11.69	0.86	-3.81	-2.34
SNB-LA21	0.25	-35.93	2.02	-19.89	-14.20	-11.16	-2.44
SNB-LA22	0.11	20.94	0.97	30.48	5.14	10.28	1.22
SNB-LA3P	-0.36	11.69	-0.86	69.07	-14.15	16.14	-3.00
SNB-LA31	0.25	19.89	14.20	28.51	38.93	9.68	10.62
SNB-LA32	0.11	-30.48	-5.14	6.27	-20.58	-4.84	-5.14
SNB-LA4P	-0.36	-69.06	14.15	-41.73	48.48	-22.15	12.52
SNB-LA41	0.25	-28.51	-38.93	76.33	-77.17	9.56	-23.21
SNB-LA42	0.11	-6.27	20.57	29.46	31.68	4.64	10.45
SNB-LB1P	-5.43	107.97	85.68	167.96	1.90	55.17	17.51
SNB-LB11	2.91	126.84	0.03	65.95	61.96	38.55	12.39
SNB-LB12	2.31	-27.77	-68.16	60.26	-59.27	6.49	-25.47
SNB-LB2P	-5.43	-167.96	-1.90	12.86	28.55	-31.01	5.33
SNB-LB21	2.92	-65.94	-61.96	117.20	-59.63	10.25	-24.31
SNB-LB22	2.30	-60.25	59.27	65.54	31.15	1.06	18.07
SNB-LB3P	-5.42	-12.86	-28.55	225.99	-58.93	42.61	-17.49
SNB-LB31	2.91	-117.20	59.63	79.36	84.41	-7.57	28.80
SNB-LB32	2.31	-65.54	-31.15	189.37	-21.46	24.75	-10.52
SNB-LB4P	-5.44	-225.98	58.93	24.53	155.64	-40.28	42.90
SNB-LB41	2.92	-79.36	-84.41	310.87	-165.85	46.29	-50.04
SNB-LB42	2.31	-189.37	21.46	40.26	9.01	-29.81	6.09
SNB-LC1P	-6.23	45.07	90.41	192.37	37.20	35.64	19.16
SNB-LC11	3.26	41.75	2.65	223.89	-18.44	39.88	-2.37
SNB-LC12	2.76	-106.46	-86.74	162.83	-17.14	8.46	-15.59
SNB-LC2P	-6.21	-192.37	-37.20	351.52	-74.47	23.82	-16.71
SNB-LC21	3.25	-223.89	18.44	96.48	148.88	-19.07	25.05
SNB-LC22	2.76	-162.83	17.14	224.70	-71.60	9.25	-8.15
SNB-LC3P	-6.26	-351.52	74.47	-51.99	226.19	-60.56	45.13
SNB-LC31	3.31	-96.47	-148.88	461.20	-297.58	54.76	-67.03
SNB-LC32	2.74	-224.69	71.60	72.55	70.94	-22.83	21.39
SNB-LD1P	-11.15	110.56	278.56	487.33	77.48	89.74	53.44
SNB-LD11	5.79	77.29	20.65	472.43	6.57	82.54	4.09
SNB-LD12	5.01	-399.01	-292.69	348.96	-81.51	-7.51	-56.15
SNB-LD2P	-11.09	-487.33	-77.49	681.05	-91.09	28.99	-25.22
SNB-LD21	5.76	-472.42	-6.57	221.35	272.39	-37.59	39.80
SNB-LD22	4.98	-348.96	81.51	367.31	-174.35	2.75	-13.89
SNB-LD3P	-11.16	-681.04	91.08	32.82	248.32	-97.30	50.94
SNB-LD31	5.89	-221.35	-272.39	875.95	-493.88	98.30	-115.07
SNB-LD32	4.92	-367.31	174.35	462.38	242.28	14.26	62.50
SNB-LE1P	-18.29	127.21	443.74	939.95	126.55	160.18	85.60
SNB-LE11	9.38	58.30	46.31	857.89	46.79	137.56	13.98

SNB-LE12	8.44	-716.89	-481.35	644.58	-170.65	-10.85	-97.83
SNB-LE2P	-18.20	-939.95	-126.56	1310.03	-229.73	55.38	-53.31
SNB-LE21	9.34	-857.88	-46.79	496.16	480.28	-54.15	64.89
SNB-LE22	8.39	-644.57	170.65	876.35	-239.98	34.67	-10.37
SNB-LE3P	-18.34	-1310.02	229.72	-621.48	796.56	-289.91	154.04
SNB-LE31	9.55	-496.15	-480.28	1652.98	-1331.75	173.70	-272.09
SNB-LE32	8.33	-876.35	239.98	313.81	523.23	-84.40	114.51
SNB-LF1P	-30.01	792.59	242.24	2840.35	-207.52	363.17	3.48
SNB-LF11	14.95	-564.90	803.86	597.90	1321.66	3.30	212.57
SNB-LF12	14.64	-1013.90	-1024.03	920.99	-1081.59	-9.29	-210.40
SNB-LF2P	-30.16	-2840.35	207.47	-1527.66	735.79	-436.65	94.29
SNB-LF21	15.71	-597.88	-1321.66	1675.38	-1882.54	107.76	-320.47
SNB-LF22	14.05	-920.99	1081.59	456.33	1114.27	-46.42	219.40
SNB-LG1P	-49.21	1635.33	875.72	5326.11	-211.39	695.90	66.43
SNB-LG11	24.62	-233.27	1112.93	1564.43	2221.00	133.13	333.43
SNB-LG12	24.05	-1802.16	-1952.22	1861.11	-1951.67	5.89	-390.07
SNB-LG2P	-49.22	-5326.11	211.32	-2330.78	1063.15	-765.43	127.40
SNB-LG21	25.58	-1564.40	-2221.00	2576.93	-2888.76	101.27	-511.06
SNB-LG22	23.12	-1861.13	1951.67	823.46	1768.77	-103.68	371.72
SNB-LH1P	-48.08	2420.13	1049.19	5950.17	700.38	836.74	174.91
SNB-LH11	23.88	-605.06	1801.19	2279.29	2181.42	167.46	398.34
SNB-LH12	23.63	-2508.88	-2793.75	978.27	-2809.35	-152.93	-559.80
SNB-LH2P	-47.11	-5950.16	-700.44	-2751.48	-1676.73	-869.86	-237.65
SNB-LH21	24.80	-2279.27	-2181.43	804.26	-2120.59	-147.54	-430.32
SNB-LH22	21.76	-978.30	2809.36	3811.77	3725.67	283.08	652.87
SNB-LI1P	-20.16	2846.17	4263.78	9236.81	8362.30	1207.85	1262.15
SNB-LI11	10.23	1508.91	839.22	9857.54	-280.99	1136.83	55.83
SNB-LI12	9.21	-5979.77	-5032.19	-4730.89	-7988.40	-1070.11	-1300.89
SNB-LI2P	-16.21	-9236.79	-8362.33	-1588.66	-10865.66	-1082.19	-1922.18
SNB-LI21	10.09	-9857.54	281.01	-4097.25	1373.22	-1395.84	165.47
SNB-LI22	5.44	4730.71	7988.51	14825.24	9411.41	1953.83	1738.42
SNB-H1aP	-1.17	18.46	-44.90	105.65	-16.76	61.45	-30.53
SNB-H1bP	-1.18	-105.65	16.74	-38.82	-14.48	-71.53	1.12
SNB-H1cP	-3.49	53.82	13.77	97.44	7.53	74.89	10.55
SNB-H1dP	-3.48	-97.44	-7.53	-19.91	-30.97	-58.10	-19.06
SNB-H1eP	3.15	22.78	30.81	98.94	8.71	60.27	19.56
SNB-H1fP	3.15	-98.95	-8.68	-47.93	45.91	-72.72	18.43
SNB-H2aP	6.29	20.32	-28.14	120.71	-11.09	52.20	-14.52
SNB-H2bP	6.29	-120.70	11.07	-97.69	-11.90	-80.83	-0.31
SNB-H2cP	-10.57	159.73	7.87	110.71	6.37	100.09	5.27
SNB-H2dP	-10.57	-110.71	-6.37	21.74	-25.76	-32.93	-11.89
SNB-H2eP	4.52	32.41	22.30	96.72	6.18	47.79	10.54
SNB-H2fP	4.52	-96.72	-6.17	-133.57	35.80	-85.23	10.97
SNB-H3aP	2.66	76.79	-20.51	181.52	-22.42	76.35	-12.69
SNB-H3bP	2.66	-181.52	22.41	-192.47	-5.89	-110.55	4.88
SNB-H3cP	-4.91	258.72	4.15	176.59	6.08	128.67	3.03
SNB-H3dP	-4.90	-176.59	-6.08	-21.53	-20.62	-58.56	-7.89
SNB-H3eP	2.35	85.37	18.83	170.89	18.60	75.75	11.06
SNB-H3fP	2.35	-170.89	-18.59	-207.14	24.05	-111.74	1.61
SNB-H4aP	3.40	238.43	-9.75	359.32	-21.64	147.07	-7.73
SNB-H4bP	3.41	-359.32	21.64	-324.90	-1.75	-168.34	4.89
SNB-H4cP	-6.23	379.01	-1.94	353.62	4.89	180.26	0.73
SNB-H4dP	-6.22	-353.62	-4.89	-198.89	-19.71	-135.94	-6.06
SNB-H4eP	2.93	250.33	16.38	346.70	21.15	146.89	9.23
SNB-H4fP	2.92	-346.70	-21.14	-344.13	16.93	-169.97	-1.03
SNB-H5aP	5.08	247.85	-11.15	497.17	-41.31	157.02	-11.06
SNB-H5bP	5.09	-497.17	41.30	-524.38	-4.03	-215.30	7.86
SNB-H5cP	-9.24	676.51	-2.70	488.75	6.86	245.58	0.88
SNB-H5dP	-9.23	-488.76	-6.87	-117.17	-27.77	-127.70	-7.30
SNB-H5eP	4.31	267.58	21.23	478.43	41.48	157.23	13.22
SNB-H5fP	4.30	-478.43	-41.47	-550.82	24.56	-216.92	-3.56
SNB-H6aP	18.86	462.24	-0.08	754.47	-31.58	224.23	-5.84
SNB-H6bP	18.87	-754.47	31.58	-642.34	-1.48	-257.42	5.55
SNB-H6cP	-37.92	783.27	-7.71	713.40	4.34	275.83	-0.61
SNB-H6dP	-37.92	-713.40	-4.36	-411.32	-24.71	-207.28	-5.37
SNB-H6eP	19.16	544.98	15.52	672.46	34.05	224.37	9.13

SNB-H6fP	19.14	-672.47	-34.04	-737.42	18.41	-259.84	-2.87
SNB-H7aP	17.09	853.87	6.15	1094.73	-34.93	319.05	-4.72
SNB-H7bP	17.11	-1094.73	34.95	-918.78	3.05	-329.68	6.23
SNB-H7cP	-34.72	997.54	-14.79	1058.91	0.45	336.71	-2.33
SNB-H7dP	-34.72	-1058.91	-0.48	-862.57	-20.81	-314.61	-3.50
SNB-H7eP	17.70	936.80	9.61	1023.99	34.77	321.06	7.26
SNB-H7fP	17.67	-1023.99	-34.75	-1007.28	16.93	-332.60	-2.91
SNB-H8aP	5.00	1139.15	3.25	1305.23	-32.78	360.10	-4.35
SNB-H8bP	5.03	-1305.23	32.78	-1263.95	4.63	-378.49	5.51
SNB-H8cP	-10.15	1344.55	-5.95	1299.77	4.04	389.57	-0.28
SNB-H8dP	-10.15	-1299.77	-4.05	-1094.15	-16.83	-352.67	-3.08
SNB-H8eP	5.20	1174.20	15.65	1295.05	41.56	363.78	8.43
SNB-H8fP	5.17	-1295.05	-41.55	-1300.07	-0.71	-382.32	-6.22
SNB-H9aP	11.32	1417.89	37.19	1400.98	8.52	377.38	6.11
SNB-H9bP	11.35	-1400.98	-8.50	-1498.15	-34.39	-388.12	-5.73
SNB-H9cP	-22.92	1574.57	46.24	1384.77	49.13	396.19	12.79
SNB-H9dP	-22.92	-1384.77	-49.16	-1413.67	-53.35	-374.65	-13.74
SNB-H9eP	11.66	1488.70	66.10	1368.81	91.69	382.57	21.12
SNB-H9fP	11.61	-1368.81	-91.68	-1569.55	-61.64	-393.39	-20.52

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

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

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	0.6089	-1.058	-0.108	0.5726	0.3326	-0.0160	4.942	-1.058	179.9
RohnBP	0.4923	-0.8573	-0.1024	0.5772	0.3289	-0.0104	5.613	-0.8573	159.9
RohnCP	0.3799	-0.6631	-0.09478	0.5216	0.3086	-0.0008	6.289	-0.6631	139.9
RohnDP	0.2778	-0.4858	-0.08437	0.4634	0.2725	0.0045	6.973	-0.4858	119.9
RohnEP	0.1912	-0.3366	-0.07237	0.3818	0.2158	0.0067	7.672	-0.3366	99.93
RohnFP	0.1215	-0.2156	-0.05974	0.3169	0.1719	0.0070	8.389	-0.2156	79.94
RohnGP	0.06726	-0.1225	-0.04586	0.2282	0.1300	0.0054	9.122	-0.1225	59.95
RohnHP	0.02837	-0.05526	-0.03167	0.1562	0.0906	0.0041	9.869	-0.05526	39.97
RohnIP	0.004939	-0.01482	-0.01584	0.0789	0.0596	0.0025	10.63	-0.01482	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.6097	-1.057	-0.09361	0.5786	0.3285	-0.0004	2.943	-1.057	179.9
SNB-BP	0.4931	-0.8554	-0.0885	0.5694	0.3238	-0.0002	3.614	-0.8554	159.9
SNB-CP	0.3807	-0.6615	-0.08229	0.5339	0.3033	0.0013	4.289	-0.6615	139.9
SNB-DP	0.2786	-0.4852	-0.07426	0.4697	0.2608	0.0020	4.974	-0.4852	119.9
SNB-EP	0.192	-0.3359	-0.06357	0.3762	0.2103	0.0021	5.673	-0.3359	99.94
SNB-FP	0.1223	-0.2157	-0.05357	0.3149	0.1667	0.0020	6.39	-0.2157	79.95
SNB-GP	0.06804	-0.1224	-0.04167	0.2325	0.1168	0.0027	7.123	-0.1224	59.96
SNB-HP	0.02915	-0.05547	-0.02908	0.1563	0.0808	0.0027	7.87	-0.05547	39.97
SNB-IP	0.00572	-0.01474	-0.01468	0.0797	0.0510	0.0026	8.634	-0.01474	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.6105	-1.054	-0.1079	0.5822	0.3407	-0.0181	-1.556	-4.807	179.9
RohnA2	0.6129	-1.058	-0.03342	0.5746	0.3401	-0.0172	-1.554	2.695	180
RohnB1	0.4939	-0.8528	-0.1023	0.5705	0.3345	-0.0202	-2.067	-5.288	159.9
RohnB2	0.497	-0.8567	-0.0165	0.5689	0.3277	-0.0154	-2.064	3.578	160
RohnC1	0.3825	-0.659	-0.0947	0.5262	0.2962	-0.0191	-2.572	-5.776	139.9
RohnC2	0.3848	-0.6632	-0.003132	0.5323	0.3091	-0.0100	-2.57	4.454	140
RohnD1	0.2803	-0.4822	-0.08429	0.4635	0.2655	-0.0174	-3.067	-6.28	119.9
RohnD2	0.2828	-0.4873	0.005093	0.4659	0.2731	-0.0063	-3.065	5.311	120
RohnE1	0.1946	-0.333	-0.07231	0.3799	0.2213	-0.0146	-3.546	-6.812	99.93
RohnE2	0.1965	-0.3384	0.009477	0.3800	0.2174	-0.0041	-3.544	6.14	100
RohnF1	0.1251	-0.2124	-0.05971	0.3064	0.1874	-0.0121	-4.009	-7.373	79.94
RohnF2	0.1269	-0.2185	0.0117	0.3007	0.1746	-0.0026	-4.007	6.942	80.01
RohnG1	0.07177	-0.119	-0.04583	0.2261	0.1318	-0.0088	-4.456	-7.961	59.95
RohnG2	0.07298	-0.1255	0.01103	0.2251	0.1306	-0.0017	-4.455	7.716	60.01
RohnH1	0.03323	-0.05192	-0.03165	0.1561	0.0893	-0.0061	-4.887	-8.574	39.97
RohnH2	0.03435	-0.05893	0.009275	0.1507	0.0875	-0.0010	-4.886	8.464	40.01
RohnI1	0.01012	-0.01154	-0.01584	0.0906	0.0379	-0.0031	-5.305	-9.217	19.98
RohnI2	0.01072	-0.01828	0.004492	0.0519	0.0304	-0.0003	-5.304	9.188	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	0.6111	-1.056	-0.09359	0.5745	0.3385	0.0003	-0.5554	-3.076	179.9
SNB-A2	0.6112	-1.058	-0.0529	0.5809	0.3370	-0.0002	-0.5553	0.9629	179.9
SNB-B1	0.495	-0.8544	-0.08846	0.5641	0.3317	0.0000	-1.066	-3.557	159.9
SNB-B2	0.4951	-0.8567	-0.03544	0.5686	0.3282	-0.0002	-1.065	1.846	160
SNB-C1	0.383	-0.6602	-0.08225	0.5292	0.3113	-0.0015	-1.571	-4.045	139.9
SNB-C2	0.3832	-0.6631	-0.0202	0.5351	0.3093	-0.0001	-1.571	2.721	140
SNB-D1	0.2812	-0.4837	-0.07422	0.4604	0.2769	-0.0021	-2.066	-4.55	119.9
SNB-D2	0.2815	-0.4871	-0.008834	0.4736	0.2737	-0.0001	-2.066	3.579	120
SNB-E1	0.1951	-0.3341	-0.06354	0.3700	0.2209	-0.0022	-2.545	-5.081	99.94
SNB-E2	0.1953	-0.3381	-0.002977	0.3786	0.2188	-0.0000	-2.545	4.409	100
SNB-F1	0.1258	-0.2137	-0.05355	0.3017	0.1895	-0.0021	-3.008	-5.642	79.95
SNB-F2	0.126	-0.2181	0.003145	0.3101	0.1791	-0.0000	-3.008	5.21	80
SNB-G1	0.072	-0.1201	-0.04166	0.2173	0.1431	-0.0027	-3.456	-6.23	59.96
SNB-G2	0.07222	-0.125	0.00537	0.2292	0.1324	-0.0000	-3.455	5.985	60.01
SNB-H1	0.03348	-0.05297	-0.02907	0.1480	0.0950	-0.0027	-3.887	-6.843	39.97
SNB-H2	0.03373	-0.05839	0.005949	0.1585	0.0916	-0.0000	-3.887	6.732	40.01
SNB-I1	0.009907	-0.01232	-0.01468	0.0840	0.0436	-0.0026	-4.304	-7.484	19.99

SNB-I2	0.01021	-0.01768	0.003167	0.0605	0.0350	-0.0000	-4.304	7.454	20
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0
RohnAaS	0.5797	-1.008	-0.1068	0.5810	0.3362	-0.0143	5.11	-1.008	174.9
RohnAbS	0.5503	-0.9568	-0.1054	0.5856	0.3347	-0.0128	5.277	-0.9568	169.9
RohnAcS	0.5213	-0.9065	-0.104	0.5659	0.3321	-0.0121	5.445	-0.9065	164.9
RohnBaS	0.4637	-0.807	-0.1007	0.5573	0.3271	-0.0081	5.782	-0.807	154.9
RohnBbS	0.4352	-0.7592	-0.09898	0.5661	0.3231	-0.0050	5.95	-0.7592	149.9
RohnBcS	0.4073	-0.7088	-0.09697	0.5542	0.3166	-0.0025	6.119	-0.7088	144.9
RohnCaS	0.3446	-0.6013	-0.09175	0.5315	0.2969	0.0020	6.515	-0.6013	133.2
RohnCbS	0.3105	-0.5412	-0.08826	0.4954	0.2867	0.0032	6.744	-0.5412	126.6
RohnDaS	0.2473	-0.4326	-0.08072	0.4493	0.2524	0.0057	7.204	-0.4326	113.3
RohnDbS	0.2183	-0.3821	-0.07668	0.4108	0.2420	0.0060	7.438	-0.3821	106.6
RohnEaS	0.1667	-0.293	-0.06836	0.3615	0.2038	0.0068	7.91	-0.293	93.27
RohnEbS	0.1433	-0.2529	-0.06415	0.3291	0.1949	0.0066	8.149	-0.2529	86.6
RohnFaS	0.09323	-0.1634	-0.05301	0.2641	0.1551	0.0059	8.755	-0.1634	69.95
RohnGaS	0.04675	-0.08385	-0.03893	0.1927	0.1095	0.0047	9.495	-0.08385	49.96
RohnHaS	0.01517	-0.02959	-0.02394	0.1150	0.0605	0.0032	10.25	-0.02959	29.98
RohnIaS	-0.002793	-0.002548	-0.008298	0.0439	0.0038	0.0014	11.02	-0.002548	9.992
SNB-AaS	0.5806	-1.006	-0.09243	0.5792	0.3369	-0.0002	3.111	-1.006	174.9
SNB-AbS	0.5512	-0.9555	-0.09121	0.5800	0.3338	-0.0000	3.278	-0.9555	169.9
SNB-AcS	0.5221	-0.905	-0.08989	0.5732	0.3332	-0.0001	3.446	-0.905	164.9
SNB-BaS	0.4646	-0.8057	-0.08708	0.5666	0.3281	0.0004	3.782	-0.8057	154.9
SNB-BbS	0.4361	-0.7567	-0.08559	0.5577	0.3222	0.0008	3.951	-0.7567	149.9
SNB-BcS	0.4082	-0.7084	-0.08398	0.5461	0.3180	0.0011	4.119	-0.7084	144.9
SNB-CaS	0.3454	-0.5997	-0.07985	0.5244	0.2976	0.0020	4.516	-0.5997	133.3
SNB-CbS	0.3113	-0.5404	-0.07714	0.4891	0.2898	0.0018	4.744	-0.5404	126.6
SNB-DaS	0.2481	-0.4311	-0.07097	0.4542	0.2553	0.0026	5.205	-0.4311	113.3
SNB-DbS	0.2191	-0.3808	-0.06738	0.4056	0.2428	0.0021	5.438	-0.3808	106.6
SNB-EaS	0.1675	-0.2926	-0.06045	0.3630	0.2053	0.0024	5.911	-0.2926	93.28
SNB-EbS	0.1441	-0.2523	-0.05709	0.3260	0.1963	0.0018	6.15	-0.2523	86.6
SNB-FaS	0.09402	-0.1626	-0.04779	0.2646	0.1601	0.0021	6.756	-0.1626	69.95
SNB-GaS	0.04753	-0.08311	-0.03555	0.1904	0.1155	0.0026	7.496	-0.08311	49.96
SNB-HaS	0.01595	-0.02886	-0.02211	0.1161	0.0653	0.0026	8.25	-0.02886	29.98
SNB-IaS	-0.002012	-0.001916	-0.007886	0.0434	0.0095	0.0014	9.019	-0.001916	9.992
SNB-WL-A1S	0.6104	-1.056	-0.09374	0.5763	0.3338	-0.0000	1.194	-2.066	179.9
SNB-WL-A2S	0.6112	-1.057	-0.07335	0.5768	0.3377	0.0024	-0.5553	-1.057	179.9
SNB-WL-A3S	0.6105	-1.057	-0.07338	0.5792	0.3319	-0.0027	1.194	-0.04686	179.9
SNB-WL-B1S	0.4941	-0.8549	-0.08871	0.5669	0.3275	-0.0001	1.274	-2.206	159.9
SNB-WL-B2S	0.4951	-0.8555	-0.06212	0.5600	0.3299	0.0024	-1.065	-0.8555	159.9
SNB-WL-B3S	0.4941	-0.8561	-0.06212	0.5657	0.3204	-0.0026	1.274	0.4953	159.9
SNB-WL-C1S	0.3819	-0.6609	-0.08272	0.5316	0.3073	-0.0001	1.359	-2.353	139.9
SNB-WL-C2S	0.3831	-0.6617	-0.05163	0.5222	0.3103	0.0016	-1.571	-0.6617	139.9
SNB-WL-C3S	0.382	-0.6623	-0.05165	0.5295	0.2976	-0.0018	1.359	1.03	139.9
SNB-WL-D1S	0.2799	-0.4845	-0.07547	0.4651	0.2688	-0.0001	1.454	-2.518	119.9
SNB-WL-D2S	0.2814	-0.4854	-0.04267	0.4579	0.2753	0.0013	-2.066	-0.4854	120
SNB-WL-D3S	0.28	-0.4862	-0.04268	0.4670	0.2593	-0.0014	1.454	1.547	120
SNB-WL-E1S	0.1936	-0.3351	-0.06448	0.3731	0.2156	-0.0000	1.564	-2.708	99.94
SNB-WL-E2S	0.1953	-0.3361	-0.03411	0.3615	0.2198	0.0004	-2.545	-0.3361	99.97
SNB-WL-E3S	0.1936	-0.3371	-0.03412	0.3710	0.2034	-0.0005	1.564	2.036	99.97
SNB-WL-F1S	0.1241	-0.2148	-0.05547	0.3083	0.1781	-0.0000	1.691	-2.929	79.94
SNB-WL-F2S	0.126	-0.2159	-0.0267	0.2960	0.1843	0.0003	-3.008	-0.2159	79.97
SNB-WL-F3S	0.1241	-0.217	-0.02671	0.3075	0.1644	-0.0004	1.691	2.497	79.97
SNB-WL-G1S	0.0701	-0.1214	-0.04494	0.2249	0.1299	-0.0000	1.834	-3.176	59.96
SNB-WL-G2S	0.0722	-0.1226	-0.02095	0.2192	0.1377	-0.0000	-3.455	-0.1226	59.98
SNB-WL-G3S	0.07009	-0.1238	-0.02095	0.2288	0.1211	0.0000	1.834	2.931	59.98
SNB-WL-H1S	0.03141	-0.05439	-0.03342	0.1522	0.0879	-0.0000	1.992	-3.45	39.97
SNB-WL-H2S	0.03372	-0.05568	-0.01576	0.1451	0.0933	-0.0005	-3.887	-0.05568	39.98
SNB-WL-H3S	0.03138	-0.05703	-0.01576	0.1533	0.0791	0.0005	1.992	3.338	39.98
SNB-WL-I1S	0.007854	-0.0136	-0.01971	0.0819	0.0473	-0.0000	2.165	-3.75	19.98
SNB-WL-I2S	0.01038	-0.015	-0.01036	0.0665	0.0393	-0.0010	-4.304	-0.015	19.99
SNB-WL-I3S	0.007808	-0.01649	-0.01036	0.0673	0.0380	0.0010	2.165	3.72	19.99
RohnAa1	0.5811	-1.004	-0.1067	0.5760	0.3301	-0.0183	-1.684	-4.927	174.9
RohnAa2	0.5835	-1.007	-0.02887	0.5808	0.3337	-0.0171	-1.681	2.916	175
RohnAb1	0.5524	-0.9535	-0.1054	0.5793	0.3373	-0.0192	-1.811	-5.047	169.9
RohnAb2	0.5548	-0.9566	-0.02451	0.5774	0.3331	-0.0165	-1.809	3.137	170

RohnAc1	0.5225	-0.9027	-0.1039	0.5767	0.3343	-0.0197	-1.94	-5.167	164.9
RohnAc2	0.5256	-0.9067	-0.02039	0.5734	0.3334	-0.0159	-1.936	3.358	165
RohnBa1	0.4649	-0.8031	-0.1006	0.5591	0.3168	-0.0197	-2.194	-5.409	154.9
RohnBa2	0.4685	-0.8073	-0.01273	0.5631	0.3284	-0.0139	-2.191	3.798	155
RohnBb1	0.4378	-0.7547	-0.09889	0.5605	0.3269	-0.0202	-2.32	-5.531	149.9
RohnBb2	0.44	-0.7584	-0.009189	0.5573	0.3253	-0.0126	-2.317	4.018	150
RohnBc1	0.4083	-0.7055	-0.09688	0.5489	0.3201	-0.0200	-2.448	-5.652	144.9
RohnBc2	0.412	-0.7103	-0.005937	0.5460	0.3175	-0.0113	-2.444	4.236	145
RohnCa1	0.3467	-0.5976	-0.09167	0.5213	0.3111	-0.0195	-2.739	-5.942	133.2
RohnCa2	0.3494	-0.6023	0.0004436	0.5146	0.2994	-0.0088	-2.736	4.742	133.3
RohnCb1	0.3118	-0.5381	-0.08818	0.4954	0.2846	-0.0184	-2.905	-6.11	126.6
RohnCb2	0.3153	-0.5435	0.003232	0.4949	0.2866	-0.0077	-2.901	5.028	126.7
RohnDa1	0.2495	-0.4293	-0.08065	0.4432	0.2620	-0.0169	-3.229	-6.454	113.3
RohnDa2	0.2522	-0.4345	0.00729	0.4402	0.2546	-0.0057	-3.226	5.59	113.3
RohnDb1	0.2203	-0.3791	-0.07662	0.4125	0.2336	-0.0156	-3.389	-6.631	106.6
RohnDb2	0.2234	-0.3848	0.008726	0.4137	0.2412	-0.0048	-3.386	5.867	106.7
RohnEa1	0.1693	-0.29	-0.06832	0.3555	0.2102	-0.0138	-3.702	-6.996	93.27
RohnEa2	0.1719	-0.296	0.01065	0.3521	0.2054	-0.0035	-3.7	6.41	93.35
RohnEb1	0.1463	-0.2498	-0.06411	0.3324	0.1860	-0.0126	-3.857	-7.183	86.6
RohnEb2	0.1486	-0.2559	0.0114	0.3349	0.1944	-0.0030	-3.854	6.677	86.67
RohnFa1	0.09406	-0.1619	-0.05298	0.2658	0.1505	-0.0102	-4.237	-7.663	69.95
RohnFa2	0.09836	-0.1693	0.01185	0.2675	0.1552	-0.0021	-4.232	7.332	70.01
RohnGa1	0.04868	-0.08205	-0.03891	0.1907	0.1114	-0.0075	-4.675	-8.264	49.96
RohnGa2	0.05221	-0.08972	0.01052	0.1913	0.1111	-0.0014	-4.672	8.092	50.01
RohnHa1	0.01769	-0.02772	-0.02393	0.1095	0.0688	-0.0045	-5.1	-8.892	29.98
RohnHa2	0.02112	-0.03617	0.007198	0.1230	0.0715	-0.0007	-5.097	8.828	30.01
RohnIa1	0.003487	0.001212	-0.008295	0.0247	0.0353	-0.0017	-5.509	-9.547	9.992
RohnIa2	0.006168	-0.01055	0.002189	0.0646	0.0379	-0.0001	-5.506	9.537	10
SNB-Aa1	0.5818	-1.005	-0.09241	0.5797	0.3333	0.0001	-0.6832	-3.196	174.9
SNB-Aa2	0.582	-1.007	-0.04833	0.5795	0.3339	-0.0003	-0.683	1.184	175
SNB-Ab1	0.5528	-0.9547	-0.09117	0.5782	0.3364	-0.0001	-0.8107	-3.316	169.9
SNB-Ab2	0.553	-0.9567	-0.04386	0.5774	0.3338	-0.0002	-0.8105	1.405	170
SNB-Ac1	0.5235	-0.9042	-0.08986	0.5762	0.3306	-0.0001	-0.9385	-3.436	164.9
SNB-Ac2	0.5239	-0.9066	-0.03956	0.5739	0.3327	-0.0001	-0.9381	1.626	165
SNB-Ba1	0.4661	-0.8048	-0.08705	0.5672	0.3275	-0.0007	-1.193	-3.678	154.9
SNB-Ba2	0.4666	-0.8074	-0.03133	0.5644	0.3266	-0.0001	-1.192	2.066	155
SNB-Bb1	0.4379	-0.7557	-0.08555	0.5576	0.3225	-0.0010	-1.319	-3.799	149.9
SNB-Bb2	0.4383	-0.7584	-0.02741	0.5589	0.3231	-0.0001	-1.319	2.285	150
SNB-Bc1	0.41	-0.7074	-0.08394	0.5480	0.3146	-0.0013	-1.446	-3.921	144.9
SNB-Bc2	0.4104	-0.7102	-0.0237	0.5466	0.3159	-0.0001	-1.445	2.504	145
SNB-Ca1	0.347	-0.5988	-0.07981	0.5197	0.3059	-0.0022	-1.738	-4.21	133.3
SNB-Ca2	0.3479	-0.6021	-0.01591	0.5155	0.2980	-0.0001	-1.737	3.009	133.3
SNB-Cb1	0.3127	-0.5396	-0.0771	0.4952	0.2792	-0.0019	-1.904	-4.379	126.6
SNB-Cb2	0.3139	-0.5433	-0.01213	0.4941	0.2857	-0.0001	-1.903	3.296	126.6
SNB-Da1	0.2495	-0.4302	-0.07094	0.4480	0.2661	-0.0028	-2.229	-4.723	113.3
SNB-Da2	0.2509	-0.4343	-0.006257	0.4388	0.2536	-0.0001	-2.227	3.858	113.3
SNB-Db1	0.2204	-0.3801	-0.06735	0.4129	0.2302	-0.0022	-2.389	-4.9	106.6
SNB-Db2	0.2222	-0.3846	-0.004318	0.4154	0.2400	-0.0001	-2.387	4.135	106.7
SNB-Ea1	0.1698	-0.2913	-0.06042	0.3592	0.2119	-0.0025	-2.702	-5.265	93.28
SNB-Ea2	0.1708	-0.2956	-0.0004702	0.3542	0.2046	-0.0000	-2.701	4.678	93.34
SNB-Eb1	0.1466	-0.2509	-0.05707	0.3329	0.1844	-0.0019	-2.856	-5.452	86.6
SNB-Eb2	0.1476	-0.2555	0.001549	0.3334	0.1926	-0.0000	-2.855	4.946	86.66
SNB-Fa1	0.09384	-0.1627	-0.04778	0.2708	0.1492	-0.0021	-3.237	-5.932	69.95
SNB-Fa2	0.09754	-0.1689	0.00469	0.2650	0.1531	-0.0000	-3.233	5.6	70
SNB-Ga1	0.04823	-0.0827	-0.03554	0.1951	0.1072	-0.0026	-3.676	-6.533	49.96
SNB-Ga2	0.05153	-0.08921	0.006051	0.1891	0.1092	-0.0000	-3.672	6.361	50.01
SNB-Ha1	0.01702	-0.02823	-0.0221	0.1145	0.0679	-0.0026	-4.1	-7.16	29.98
SNB-Ha2	0.02056	-0.03559	0.004931	0.1195	0.0690	-0.0000	-4.097	7.096	30
SNB-Ia1	0.002665	0.000785	-0.007884	0.0299	0.0328	-0.0014	-4.508	-7.812	9.992
SNB-Ia2	0.005719	-0.009905	0.001573	0.0600	0.0347	-0.0000	-4.505	7.803	10

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

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

RohnJP	-2.12	0.0	1.50	0.0	150.50	0.0	0.0	150.52	0.0	-0.02	0.0	4.0	0.0	0.01	0.0	0.0
SNB-JP	-1.03	0.0	3.16	0.0	179.31	0.0	0.0	179.34	0.0	1.42	0.0	7.1	0.0	0.07	0.0	0.0
RohnJ1	-0.11	0.0	2.50	0.0	150.39	0.0	0.0	150.41	0.0	3.48	0.0	-1.9	0.0	-0.00	0.0	0.0
RohnJ2	-13.06	0.0	22.47	0.0	-240.53	0.0	0.0	241.93	0.0	-8.04	0.0	-4.7	0.0	0.00	0.0	0.0
SNB-J1	-2.22	0.0	2.47	0.0	179.23	0.0	0.0	179.26	0.0	6.89	0.0	-2.3	0.0	-0.07	0.0	0.0
SNB-J2	-23.94	0.0	41.48	0.0	-299.54	0.0	0.0	303.35	0.0	-15.92	0.0	-9.2	0.0	0.00	0.0	0.0

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

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	0.6874	-1.1905	-0.5163	-0.6874	1.1905	0.5163	0.6089	-1.0580	-0.1080
RohnBP	0.7325	-1.2687	-0.6990	-0.7325	1.2687	0.6990	0.4923	-0.8573	-0.1024
RohnCP	0.5813	-1.0069	-0.9164	-0.5813	1.0069	0.9164	0.3799	-0.6631	-0.0948
RohnDP	0.6679	-1.1569	-1.5344	-0.6679	1.1569	1.5344	0.2778	-0.4858	-0.0844
RohnEP	0.2758	-0.4776	-0.8607	-0.2758	0.4776	0.8607	0.1912	-0.3366	-0.0724
RohnFP	0.3499	-0.6061	-1.1597	-0.3499	0.6061	1.1597	0.1215	-0.2156	-0.0597
RohnGP	0.3305	-0.5724	-1.3973	-0.3305	0.5724	1.3973	0.0673	-0.1225	-0.0459
RohnHP	0.3120	-0.5404	-1.5256	-0.3120	0.5404	1.5256	0.0284	-0.0553	-0.0317
RohnIP	0.3445	-0.5967	-1.7796	-0.3445	0.5967	1.7796	0.0049	-0.0148	-0.0158
RohnJP	0.1827	-0.3165	-0.9782	1.9324	-1.1807	-149.5189	0.0000	0.0000	0.0000
SNB-AP	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1348	0.6097	-1.0566	-0.0936
SNB-BP	0.1665	-0.2884	-0.3242	-0.1665	0.2884	0.3242	0.4931	-0.8554	-0.0885
SNB-CP	0.2298	-0.3980	-0.5084	-0.2298	0.3980	0.5084	0.3807	-0.6615	-0.0823
SNB-DP	0.2700	-0.4677	-0.6945	-0.2700	0.4677	0.6945	0.2786	-0.4852	-0.0743
SNB-EP	0.2758	-0.4776	-0.8607	-0.2758	0.4776	0.8607	0.1920	-0.3359	-0.0636
SNB-FP	0.3080	-0.5335	-1.1382	-0.3080	0.5335	1.1382	0.1223	-0.2157	-0.0536
SNB-GP	0.3305	-0.5724	-1.3973	-0.3305	0.5724	1.3973	0.0680	-0.1224	-0.0417
SNB-HP	0.3120	-0.5404	-1.5256	-0.3120	0.5404	1.5256	0.0292	-0.0555	-0.0291
SNB-IP	0.3329	-0.5765	-1.7596	-0.3329	0.5765	1.7596	0.0057	-0.0147	-0.0147
SNB-JP	0.1827	-0.3165	-0.9782	0.8486	-2.8455	-178.3355	0.0000	0.0000	0.0000
RohnA1	0.7770	-1.3458	-0.5671	-0.7770	1.3458	0.5671	0.6105	-1.0545	-0.1079
RohnA2	0.9007	-1.5601	-0.7492	-0.9007	1.5601	0.7492	0.6129	-1.0576	-0.0334
RohnB1	0.3131	-0.5423	-0.4690	-0.3131	0.5423	0.4690	0.4939	-0.8528	-0.1023
RohnB2	0.3040	-0.5265	-0.4090	-0.3040	0.5265	0.4090	0.4970	-0.8567	-0.0165
RohnC1	0.6094	-1.0556	-1.0764	-0.6094	1.0556	1.0764	0.3825	-0.6590	-0.0947
RohnC2	0.7514	-1.3015	-1.1654	-0.7514	1.3015	1.1654	0.3848	-0.6632	-0.0031
RohnD1	0.6679	-1.1569	-1.5344	-0.6679	1.1569	1.5344	0.2803	-0.4822	-0.0843
RohnD2	0.6679	-1.1569	-1.5344	-0.6679	1.1569	1.5344	0.2828	-0.4873	0.0051
RohnE1	0.2758	-0.4776	-0.8607	-0.2758	0.4776	0.8607	0.1946	-0.3330	-0.0723
RohnE2	0.2758	-0.4776	-0.8607	-0.2758	0.4776	0.8607	0.1965	-0.3384	0.0095
RohnF1	0.3978	-0.6890	-1.2092	-0.3978	0.6890	1.2092	0.1251	-0.2124	-0.0597
RohnF2	0.3499	-0.6061	-1.1597	-0.3499	0.6061	1.1597	0.1269	-0.2185	0.0117
RohnG1	0.3442	-0.5963	-1.4173	-0.3442	0.5963	1.4173	0.0718	-0.1190	-0.0458
RohnG2	0.3442	-0.5963	-1.4173	-0.3442	0.5963	1.4173	0.0730	-0.1255	0.0110
RohnH1	0.3120	-0.5404	-1.5256	-0.3120	0.5404	1.5256	0.0332	-0.0519	-0.0317
RohnH2	0.3120	-0.5404	-1.5256	-0.3120	0.5404	1.5256	0.0343	-0.0589	0.0093
RohnI1	0.3329	-0.5765	-1.7596	-0.3329	0.5765	1.7596	0.0101	-0.0115	-0.0158
RohnI2	0.3329	-0.5765	-1.7596	-0.3329	0.5765	1.7596	0.0107	-0.0183	0.0045
RohnJ1	0.1827	-0.3165	-0.9782	-0.0693	-2.1879	-149.4069	0.0000	0.0000	0.0000
RohnJ2	0.1827	-0.3165	-0.9782	12.8756	-22.1523	241.5085	0.0000	0.0000	0.0000
SNB-A1	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1348	0.6111	-1.0558	-0.0936
SNB-A2	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.6112	-1.0576	-0.0529
SNB-B1	0.1665	-0.2884	-0.3242	-0.1665	0.2884	0.3242	0.4950	-0.8544	-0.0885
SNB-B2	0.1665	-0.2884	-0.3242	-0.1665	0.2884	0.3242	0.4951	-0.8567	-0.0354
SNB-C1	0.2298	-0.3980	-0.5084	-0.2298	0.3980	0.5084	0.3830	-0.6602	-0.0823
SNB-C2	0.2298	-0.3980	-0.5084	-0.2298	0.3980	0.5084	0.3832	-0.6631	-0.0202
SNB-D1	0.2700	-0.4677	-0.6945	-0.2700	0.4677	0.6945	0.2812	-0.4837	-0.0742
SNB-D2	0.2700	-0.4677	-0.6945	-0.2700	0.4677	0.6945	0.2815	-0.4871	-0.0088
SNB-E1	0.2758	-0.4776	-0.8607	-0.2758	0.4776	0.8607	0.1951	-0.3341	-0.0635
SNB-E2	0.2758	-0.4776	-0.8607	-0.2758	0.4776	0.8607	0.1953	-0.3381	-0.0030
SNB-F1	0.3080	-0.5335	-1.1382	-0.3080	0.5335	1.1382	0.1258	-0.2137	-0.0535

SNB-F2	0.3080	-0.5335	-1.1382	-0.3080	0.5335	1.1382	0.1260	-0.2181	0.0031
SNB-G1	0.3305	-0.5724	-1.3973	-0.3305	0.5724	1.3973	0.0720	-0.1201	-0.0417
SNB-G2	0.3305	-0.5724	-1.3973	-0.3305	0.5724	1.3973	0.0722	-0.1250	0.0054
SNB-H1	0.3120	-0.5404	-1.5256	-0.3120	0.5404	1.5256	0.0335	-0.0530	-0.0291
SNB-H2	0.3120	-0.5404	-1.5256	-0.3120	0.5404	1.5256	0.0337	-0.0584	0.0059
SNB-I1	0.3329	-0.5765	-1.7596	-0.3329	0.5765	1.7596	0.0099	-0.0123	-0.0147
SNB-I2	0.3329	-0.5765	-1.7596	-0.3329	0.5765	1.7596	0.0102	-0.0177	0.0032
SNB-J1	0.1827	-0.3165	-0.9782	2.0358	-2.1555	-178.2479	0.0000	0.0000	0.0000
SNB-J2	0.1827	-0.3165	-0.9782	23.7622	-41.1595	300.5210	0.0000	0.0000	0.0000
RohnAaS	0.6205	-1.0747	-0.3647	-0.6205	1.0747	0.3647	0.5797	-1.0079	-0.1068
RohnAbS	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5503	-0.9568	-0.1054
RohnAcS	0.0797	-0.1380	-0.1547	-0.0797	0.1380	0.1547	0.5213	-0.9065	-0.1040
RohnBaS	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4637	-0.8070	-0.1007
RohnBbS	0.9254	-1.6028	-1.1644	-0.9254	1.6028	1.1644	0.4352	-0.7592	-0.0990
RohnBcS	0.1226	-0.2124	-0.2644	-0.1226	0.2124	0.2644	0.4073	-0.7088	-0.0970
RohnCaS	0.9838	-1.7040	-1.0982	-0.9838	1.7040	1.0982	0.3446	-0.6013	-0.0918
RohnCbS	0.1747	-0.3026	-0.4890	-0.1747	0.3026	0.4890	0.3105	-0.5412	-0.0883
RohnDaS	0.2007	-0.3477	-0.6205	-0.2007	0.3477	0.6205	0.2473	-0.4326	-0.0807
RohnDbS	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.2183	-0.3821	-0.0767
RohnEaS	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1667	-0.2930	-0.0684
RohnEbS	0.1624	-0.2813	-0.5601	-0.1624	0.2813	0.5601	0.1433	-0.2529	-0.0642
RohnFaS	0.1686	-0.2920	-0.6531	-0.1686	0.2920	0.6531	0.0932	-0.1634	-0.0530
RohnGaS	0.1619	-0.2804	-0.7442	-0.1619	0.2804	0.7442	0.0467	-0.0839	-0.0389
RohnHaS	0.1501	-0.2600	-0.7814	-0.1501	0.2600	0.7814	0.0152	-0.0296	-0.0239
RohnIaS	0.1827	-0.3165	-0.9782	-0.1827	0.3165	0.9782	-0.0028	-0.0025	-0.0083
SNB-AaS	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5806	-1.0060	-0.0924
SNB-AbS	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5512	-0.9555	-0.0912
SNB-AcS	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5221	-0.9050	-0.0899
SNB-BaS	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4646	-0.8057	-0.0871
SNB-BbS	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4361	-0.7567	-0.0856
SNB-BcS	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4082	-0.7084	-0.0840
SNB-CaS	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.3454	-0.5997	-0.0798
SNB-CbS	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.3113	-0.5404	-0.0771
SNB-DaS	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.2481	-0.4311	-0.0710
SNB-DbS	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.2191	-0.3808	-0.0674
SNB-EaS	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1675	-0.2926	-0.0604
SNB-EbS	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1441	-0.2523	-0.0571
SNB-FaS	0.1686	-0.2920	-0.6531	-0.1686	0.2920	0.6531	0.0940	-0.1626	-0.0478
SNB-GaS	0.1619	-0.2804	-0.7442	-0.1619	0.2804	0.7442	0.0475	-0.0831	-0.0355
SNB-HaS	0.1501	-0.2600	-0.7814	-0.1501	0.2600	0.7814	0.0160	-0.0289	-0.0221
SNB-IaS	0.1827	-0.3165	-0.9782	-0.1827	0.3165	0.9782	-0.0020	-0.0019	-0.0079
SNB-WL-A1S	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.6104	-1.0562	-0.0937
SNB-WL-A2S	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.6112	-1.0567	-0.0733
SNB-WL-A3S	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.6105	-1.0571	-0.0734
SNB-WL-B1S	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.4941	-0.8549	-0.0887
SNB-WL-B2S	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.4951	-0.8555	-0.0621
SNB-WL-B3S	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.4941	-0.8561	-0.0621
SNB-WL-C1S	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.3819	-0.6609	-0.0827
SNB-WL-C2S	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.3831	-0.6617	-0.0516
SNB-WL-C3S	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.3820	-0.6623	-0.0516
SNB-WL-D1S	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.2799	-0.4845	-0.0755
SNB-WL-D2S	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.2814	-0.4854	-0.0427
SNB-WL-D3S	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.2800	-0.4862	-0.0427
SNB-WL-E1S	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.1936	-0.3351	-0.0645
SNB-WL-E2S	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.1953	-0.3361	-0.0341
SNB-WL-E3S	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.1936	-0.3371	-0.0341
SNB-WL-F1S	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1241	-0.2148	-0.0555
SNB-WL-F2S	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1260	-0.2159	-0.0267
SNB-WL-F3S	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1241	-0.2170	-0.0267
SNB-WL-G1S	0.1686	-0.2920	-0.6531	-0.1686	0.2920	0.6531	0.0701	-0.1214	-0.0449
SNB-WL-G2S	0.1686	-0.2920	-0.6531	-0.1686	0.2920	0.6531	0.0722	-0.1226	-0.0209
SNB-WL-G3S	0.1686	-0.2920	-0.6531	-0.1686	0.2920	0.6531	0.0701	-0.1238	-0.0210
SNB-WL-H1S	0.1619	-0.2804	-0.7442	-0.1619	0.2804	0.7442	0.0314	-0.0544	-0.0334
SNB-WL-H2S	0.1619	-0.2804	-0.7442	-0.1619	0.2804	0.7442	0.0337	-0.0557	-0.0158
SNB-WL-H3S	0.1619	-0.2804	-0.7442	-0.1619	0.2804	0.7442	0.0314	-0.0570	-0.0158
SNB-WL-I1S	0.1501	-0.2600	-0.7814	-0.1501	0.2600	0.7814	0.0079	-0.0136	-0.0197

SNB-WL-I2S	0.1501	-0.2600	-0.7814	-0.1501	0.2600	0.7814	0.0104	-0.0150	-0.0104
SNB-WL-I3S	0.1501	-0.2600	-0.7814	-0.1501	0.2600	0.7814	0.0078	-0.0165	-0.0104
RohnAa1	0.1928	-0.3340	-0.2045	-0.1928	0.3340	0.2045	0.5811	-1.0037	-0.1067
RohnAa2	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5835	-1.0073	-0.0289
RohnAb1	0.6085	-1.0540	-0.3547	-0.6085	1.0540	0.3547	0.5524	-0.9535	-0.1054
RohnAb2	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5548	-0.9566	-0.0245
RohnAc1	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5225	-0.9027	-0.1039
RohnAc2	0.2272	-0.3936	-0.2272	-0.2272	0.3936	0.2272	0.5256	-0.9067	-0.0204
RohnBa1	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4649	-0.8031	-0.1006
RohnBa2	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4685	-0.8073	-0.0127
RohnBb1	0.9026	-1.5634	-1.1444	-0.9026	1.5634	1.1444	0.4378	-0.7547	-0.0989
RohnBb2	0.9026	-1.5634	-1.1444	-0.9026	1.5634	1.1444	0.4400	-0.7584	-0.0092
RohnBc1	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4083	-0.7055	-0.0969
RohnBc2	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4120	-0.7103	-0.0059
RohnCa1	1.0080	-1.7460	-1.1232	-1.0080	1.7460	1.1232	0.3467	-0.5976	-0.0917
RohnCa2	1.0833	-1.8764	-1.1712	-1.0833	1.8764	1.1712	0.3494	-0.6023	0.0004
RohnCb1	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.3118	-0.5381	-0.0882
RohnCb2	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.3153	-0.5435	0.0032
RohnDa1	0.1627	-0.2818	-0.5355	-0.1627	0.2818	0.5355	0.2495	-0.4293	-0.0806
RohnDa2	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.2522	-0.4345	0.0073
RohnDb1	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.2203	-0.3791	-0.0766
RohnDb2	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.2234	-0.3848	0.0087
RohnEa1	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1693	-0.2900	-0.0683
RohnEa2	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1719	-0.2960	0.0106
RohnEb1	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1463	-0.2498	-0.0641
RohnEb2	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1486	-0.2559	0.0114
RohnFa1	0.1686	-0.2920	-0.6531	-0.1686	0.2920	0.6531	0.0941	-0.1619	-0.0530
RohnFa2	0.1686	-0.2920	-0.6531	-0.1686	0.2920	0.6531	0.0984	-0.1693	0.0119
RohnGa1	0.1619	-0.2804	-0.7442	-0.1619	0.2804	0.7442	0.0487	-0.0821	-0.0389
RohnGa2	0.1619	-0.2804	-0.7442	-0.1619	0.2804	0.7442	0.0522	-0.0897	0.0105
RohnHa1	0.1501	-0.2600	-0.7814	-0.1501	0.2600	0.7814	0.0177	-0.0277	-0.0239
RohnHa2	0.1501	-0.2600	-0.7814	-0.1501	0.2600	0.7814	0.0211	-0.0362	0.0072
RohnIa1	0.1827	-0.3165	-0.9782	-0.1827	0.3165	0.9782	0.0035	0.0012	-0.0083
RohnIa2	0.1827	-0.3165	-0.9782	-0.1827	0.3165	0.9782	0.0062	-0.0105	0.0022
SNB-Aa1	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5818	-1.0052	-0.0924
SNB-Aa2	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5820	-1.0072	-0.0483
SNB-Ab1	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5528	-0.9547	-0.0912
SNB-Ab2	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5530	-0.9567	-0.0439
SNB-Ac1	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5235	-0.9042	-0.0899
SNB-Ac2	0.0705	-0.1221	-0.1347	-0.0705	0.1221	0.1347	0.5239	-0.9066	-0.0396
SNB-Ba1	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4661	-0.8048	-0.0870
SNB-Ba2	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4666	-0.8074	-0.0313
SNB-Bb1	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4379	-0.7557	-0.0855
SNB-Bb2	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4383	-0.7584	-0.0274
SNB-Bc1	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4100	-0.7074	-0.0839
SNB-Bc2	0.0960	-0.1663	-0.1894	-0.0960	0.1663	0.1894	0.4104	-0.7102	-0.0237
SNB-Ca1	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.3470	-0.5988	-0.0798
SNB-Ca2	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.3479	-0.6021	-0.0159
SNB-Cb1	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.3127	-0.5396	-0.0771
SNB-Cb2	0.1337	-0.2317	-0.3190	-0.1337	0.2317	0.3190	0.3139	-0.5433	-0.0121
SNB-Da1	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.2495	-0.4302	-0.0709
SNB-Da2	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.2509	-0.4343	-0.0063
SNB-Db1	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.2204	-0.3801	-0.0674
SNB-Db2	0.1363	-0.2360	-0.3755	-0.1363	0.2360	0.3755	0.2222	-0.3846	-0.0043
SNB-Ea1	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1698	-0.2913	-0.0604
SNB-Ea2	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1708	-0.2956	-0.0005
SNB-Eb1	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1466	-0.2509	-0.0571
SNB-Eb2	0.1395	-0.2416	-0.4851	-0.1395	0.2416	0.4851	0.1476	-0.2555	0.0015
SNB-Fa1	0.1686	-0.2920	-0.6531	-0.1686	0.2920	0.6531	0.0938	-0.1627	-0.0478
SNB-Fa2	0.1686	-0.2920	-0.6531	-0.1686	0.2920	0.6531	0.0975	-0.1689	0.0047
SNB-Ga1	0.1619	-0.2804	-0.7442	-0.1619	0.2804	0.7442	0.0482	-0.0827	-0.0355
SNB-Ga2	0.1619	-0.2804	-0.7442	-0.1619	0.2804	0.7442	0.0515	-0.0892	0.0061
SNB-Ha1	0.1501	-0.2600	-0.7814	-0.1501	0.2600	0.7814	0.0170	-0.0282	-0.0221
SNB-Ha2	0.1501	-0.2600	-0.7814	-0.1501	0.2600	0.7814	0.0206	-0.0356	0.0049
SNB-Ia1	0.1827	-0.3165	-0.9782	-0.1827	0.3165	0.9782	0.0027	0.0008	-0.0079
SNB-Ia2	0.1827	-0.3165	-0.9782	-0.1827	0.3165	0.9782	0.0057	-0.0099	0.0016

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	-2.75	1.41	2.74	-42.27	-15.88	-8.17	-2.63
Rohn-LA11	1.27	5.89	0.79	38.00	55.84	8.77	11.32
Rohn-LA12	-1.08	6.43	4.38	-25.76	37.38	-3.87	8.35
Rohn-LA2P	-2.75	42.27	15.87	18.05	23.52	12.06	7.88
Rohn-LA21	1.27	-38.00	-55.84	-55.56	-93.48	-18.71	-29.85
Rohn-LA22	-1.08	25.77	-37.39	43.29	-34.43	13.81	-14.36
Rohn-LA3P	-2.75	-18.04	-23.52	83.65	-10.10	13.12	-6.72
Rohn-LA31	1.27	55.56	93.48	69.13	109.15	24.93	40.51
Rohn-LA32	-1.08	-43.29	34.43	-22.32	32.82	-13.12	13.44
Rohn-LA4P	-2.75	-83.65	10.10	-142.40	26.91	-45.20	7.40
Rohn-LA41	1.28	-69.13	-109.15	-37.23	-110.48	-21.27	-43.91
Rohn-LA42	-1.08	22.32	-32.82	45.31	-3.39	13.52	-7.24
Rohn-LB1P	-9.31	146.94	-21.20	310.48	-6.63	91.46	-5.56
Rohn-LB11	0.73	43.42	111.33	138.29	257.90	36.33	73.83
Rohn-LB12	-4.29	-36.02	8.91	12.11	2.75	-4.78	2.33
Rohn-LB2P	-9.32	-310.48	6.62	-383.77	39.53	-138.81	9.22
Rohn-LB21	0.74	-138.29	-257.90	-149.93	-341.18	-57.63	-119.79
Rohn-LB22	-4.29	-12.11	-2.75	36.59	22.87	4.89	4.02
Rohn-LB3P	-9.29	383.77	-39.53	481.01	14.57	172.92	-4.99
Rohn-LB31	0.72	149.94	341.18	245.91	397.19	79.15	147.64
Rohn-LB32	-4.29	-36.58	-22.87	57.42	41.12	4.16	3.65
Rohn-LB4P	-9.33	-481.01	-14.57	-211.08	52.12	-138.39	7.50
Rohn-LB41	0.75	-245.89	-397.20	-57.24	-199.28	-60.62	-119.27
Rohn-LB42	-4.29	-57.42	-41.12	55.98	28.22	-0.29	-2.58
Rohn-LC1P	-9.32	211.08	-52.11	115.25	59.35	48.99	1.09
Rohn-LC11	0.75	57.24	199.28	103.99	57.07	24.21	38.48
Rohn-LC12	-4.29	-55.98	-28.22	113.66	64.38	8.66	5.43
Rohn-LC2P	-9.32	-115.25	-59.35	228.23	38.16	16.91	-3.17
Rohn-LC21	0.75	-103.99	-57.07	143.18	195.64	5.87	20.74
Rohn-LC22	-4.29	-113.66	-64.38	74.48	57.92	-5.86	-0.97
Rohn-LC3P	-9.34	-228.23	-38.16	77.38	97.63	-22.65	8.93
Rohn-LC31	0.78	-143.18	-195.64	162.33	-13.20	2.88	-31.36
Rohn-LC32	-4.28	-74.48	-57.92	202.84	70.33	19.25	1.86
Rohn-LD1P	-9.33	-77.38	-97.63	202.96	47.56	18.85	-7.52
Rohn-LD11	0.75	-162.33	13.20	242.29	38.61	12.00	7.78
Rohn-LD12	-4.31	-202.84	-70.33	311.26	62.97	16.27	-1.10
Rohn-LD2P	-9.37	-202.96	-47.56	562.83	27.49	53.87	-3.00
Rohn-LD21	0.71	-242.28	-38.61	368.92	165.36	18.96	18.97
Rohn-LD22	-4.36	-311.26	-62.97	216.01	33.32	-14.24	-4.43
Rohn-LD3P	-9.49	-562.83	-27.49	14.86	160.90	-82.28	20.03
Rohn-LD31	0.62	-368.92	-165.36	283.09	-76.76	-12.89	-36.35
Rohn-LD32	-4.41	-216.01	-33.31	457.06	138.38	36.16	15.76
Rohn-LE1P	-9.45	-14.86	-160.90	488.23	138.26	71.07	-3.40
Rohn-LE11	0.57	-283.08	76.76	323.81	352.48	6.12	64.45
Rohn-LE12	-4.48	-457.06	-138.38	236.55	159.62	-33.08	3.19
Rohn-LE2P	-9.47	-488.22	-138.26	316.11	82.41	-25.77	-8.36
Rohn-LE21	0.60	-323.80	-352.49	251.09	248.36	-10.89	-15.59
Rohn-LE22	-4.47	-236.55	-159.61	189.99	112.95	-6.96	-6.98
Rohn-LE3P	-9.50	-316.10	-82.40	-13.86	489.44	-49.55	61.12
Rohn-LE31	0.64	-251.08	-248.36	395.80	-281.33	21.73	-79.53
Rohn-LE32	-4.47	-189.99	-112.95	661.59	380.01	70.74	40.06
Rohn-LF1P	-9.32	13.86	-489.44	1455.57	-29.41	146.94	-51.88
Rohn-LF11	0.45	-395.80	281.33	711.94	1286.72	31.61	156.80
Rohn-LF12	-4.47	-661.60	-380.00	245.49	149.25	-41.57	-23.05
Rohn-LF2P	-9.68	-1455.57	29.41	-474.33	713.74	-193.00	74.32
Rohn-LF21	0.82	-711.90	-1286.74	374.31	-774.57	-33.76	-206.14
Rohn-LF22	-4.47	-245.49	-149.25	911.54	522.97	66.53	37.33
Rohn-LG1P	-9.29	474.34	-713.74	1639.19	-39.36	211.35	-75.31
Rohn-LG11	0.42	-374.31	774.57	788.79	1443.15	41.45	221.77

Rohn-LG12	-4.47	-911.55	-522.96	196.85	116.33	-71.40	-40.62
Rohn-LG2P	-9.68	-1639.19	39.35	-443.04	658.79	-208.23	69.82
Rohn-LG21	0.81	-788.75	-1443.17	346.20	-716.25	-44.26	-215.95
Rohn-LG22	-4.47	-196.85	-116.33	1138.04	659.17	94.02	54.23
Rohn-LH1P	-9.19	443.05	-658.80	1796.40	331.47	223.95	-32.73
Rohn-LH11	0.32	-346.20	716.26	1185.54	1390.01	83.94	210.64
Rohn-LH12	-4.47	-1138.04	-659.15	-228.78	-133.66	-136.53	-79.19
Rohn-LH2P	-9.36	-1796.40	-331.47	-610.74	-302.10	-240.73	-63.36
Rohn-LH21	0.50	-1185.50	-1390.04	-566.19	-375.72	-175.18	-176.59
Rohn-LH22	-4.47	228.78	133.66	2562.29	1483.43	278.79	161.53
Rohn-LI1P	-9.26	610.75	302.10	3086.73	4248.67	369.75	455.08
Rohn-LI11	0.39	566.19	375.72	5231.15	562.76	579.74	93.85
Rohn-LI12	-4.47	-2562.32	-1483.39	-3464.44	-2014.61	-602.05	-349.44
Rohn-LI2P	-8.38	-3086.72	-4248.68	19.54	-3983.40	-306.73	-823.24
Rohn-LI21	-0.46	-5231.14	-562.81	-3484.20	1931.77	-871.57	136.90
Rohn-LI22	-4.46	3464.42	2014.63	8034.82	4696.17	1148.72	670.38
Rohn-H1P	-0.80	-0.02	0.29	0.35	-0.06	0.04	0.03
Rohn-H11	-0.04	5.35	-1.35	4.07	-1.21	1.26	-0.34
Rohn-H12	0.13	-4.98	2.31	-3.72	2.51	-1.16	0.64
Rohn-H2P	0.16	-0.48	2.64	0.67	1.23	0.02	0.44
Rohn-H21	-0.37	6.66	-0.84	6.43	-0.17	1.48	-0.11
Rohn-H22	0.36	-6.46	3.38	-7.19	4.10	-1.54	0.84
SNB-LA1P	-0.36	19.17	47.73	14.50	-11.12	6.73	7.32
SNB-LA11	0.48	74.35	-17.49	37.87	18.81	22.44	0.26
SNB-LA12	-0.09	-36.44	-11.96	-26.46	10.04	-12.58	-0.38
SNB-LA2P	-0.36	-14.50	11.12	-19.74	32.82	-6.85	8.78
SNB-LA21	0.48	-37.87	-18.81	-26.82	-40.39	-12.93	-11.83
SNB-LA22	-0.09	26.46	-10.04	41.20	-9.62	13.53	-3.93
SNB-LA3P	-0.35	19.74	-32.82	67.14	-28.67	17.37	-12.29
SNB-LA31	0.48	26.82	40.39	40.45	81.01	13.45	24.27
SNB-LA32	-0.09	-41.20	9.62	-16.39	17.58	-11.51	5.44
SNB-LA4P	-0.36	-67.14	28.68	-40.25	94.90	-21.47	24.71
SNB-LA41	0.48	-40.45	-81.01	44.64	-88.73	0.84	-33.94
SNB-LA42	-0.09	16.39	-17.58	53.26	13.69	13.92	-0.78
SNB-LB1P	-4.86	97.50	97.07	146.06	20.36	48.70	23.48
SNB-LB11	4.82	139.61	48.13	84.99	120.74	44.91	33.76
SNB-LB12	-0.09	-50.48	-14.60	23.43	14.37	-5.41	-0.05
SNB-LB2P	-4.86	-146.06	-20.35	9.49	83.77	-27.30	12.68
SNB-LB21	4.82	-84.99	-120.74	83.21	-32.68	-0.36	-30.67
SNB-LB22	-0.09	-23.42	-14.36	73.02	46.71	9.91	6.47
SNB-LB3P	-4.85	-9.49	-83.76	194.23	-9.05	36.94	-18.56
SNB-LB31	4.81	-83.21	32.68	86.38	171.24	0.63	40.77
SNB-LB32	-0.09	-73.02	-46.71	143.92	79.94	14.17	6.64
SNB-LB4P	-4.87	-194.22	9.05	20.06	267.70	-34.82	55.33
SNB-LB41	4.83	-86.37	-171.24	242.91	-114.94	31.30	-57.22
SNB-LB42	-0.09	-143.92	-79.94	58.24	36.13	-17.13	-8.76
SNB-LC1P	-5.53	39.54	60.30	164.03	134.46	30.56	29.24
SNB-LC11	5.43	70.49	2.65	195.80	74.47	39.97	11.58
SNB-LC12	-0.02	-122.87	-73.27	135.18	76.33	1.85	0.46
SNB-LC2P	-5.51	-164.03	-134.46	301.21	-30.49	20.53	-24.69
SNB-LC21	5.40	-195.80	-74.47	127.89	276.05	-10.16	30.17
SNB-LC22	-0.02	-135.18	-76.32	146.36	86.62	1.67	1.54
SNB-LC3P	-5.58	-301.21	30.49	-45.62	413.57	-52.07	66.66
SNB-LC31	5.48	-127.89	-276.05	331.02	-245.62	30.49	-78.31
SNB-LC32	-0.02	-146.36	-86.61	125.49	70.95	-3.13	-2.35
SNB-LD1P	-9.88	95.84	149.43	414.98	262.51	76.69	61.85
SNB-LD11	9.79	181.34	7.45	438.52	228.64	93.06	35.44
SNB-LD12	-0.13	-453.19	-260.18	263.80	155.30	-28.41	-15.74
SNB-LD2P	-9.82	-414.98	-262.51	584.70	-5.90	25.40	-40.17
SNB-LD21	9.73	-438.52	-228.64	283.76	509.97	-23.16	42.11
SNB-LD22	-0.13	-263.80	-155.30	219.04	125.17	-6.69	-4.51
SNB-LD3P	-9.98	-584.69	5.89	22.93	678.50	-84.34	102.75
SNB-LD31	9.89	-283.76	-509.97	600.98	-318.90	47.63	-124.45
SNB-LD32	-0.13	-219.04	-125.17	539.34	314.01	48.05	28.33
SNB-LE1P	-15.98	112.86	207.27	800.02	465.66	137.04	101.02
SNB-LE11	15.72	234.07	-7.25	799.33	459.74	155.14	67.93

SNB-LE12	-0.03	-793.44	-460.89	482.22	276.41	-46.70	-27.68
SNB-LE2P	-15.91	-800.01	-465.66	1122.43	4.04	48.26	-69.09
SNB-LE21	15.65	-799.32	-459.74	570.62	969.88	-34.23	76.36
SNB-LE22	-0.03	-482.22	-276.41	597.81	348.65	17.29	10.81
SNB-LE3P	-16.16	-1122.43	-4.05	-542.49	1540.36	-249.96	230.65
SNB-LE31	15.90	-570.61	-969.88	1056.38	-1238.73	72.93	-331.58
SNB-LE32	-0.03	-597.82	-348.65	617.86	355.68	3.01	1.05
SNB-LF1P	-25.55	689.17	-405.18	2434.62	-174.60	312.35	-57.96
SNB-LF11	25.43	-0.74	797.89	1070.34	2195.68	106.96	299.32
SNB-LF12	-0.12	-1338.82	-772.26	225.54	132.60	-111.23	-63.91
SNB-LF2P	-26.34	-2434.61	174.57	-1323.09	1678.99	-375.75	185.34
SNB-LF21	26.22	-1070.29	-2195.69	788.23	-1985.21	-28.21	-418.06
SNB-LF22	-0.12	-225.54	-132.60	1020.65	588.43	79.44	45.54
SNB-LG1P	-41.95	1415.21	-54.85	4558.46	42.03	597.31	-1.27
SNB-LG11	41.81	664.05	1252.19	2319.04	3927.15	298.29	517.88
SNB-LG12	-0.16	-2390.50	-1380.00	595.14	346.34	-179.38	-103.28
SNB-LG2P	-42.88	-4558.45	-42.06	-2019.37	2546.31	-657.75	250.40
SNB-LG21	42.73	-2318.96	-3927.19	1192.49	-3022.30	-112.65	-694.91
SNB-LG22	-0.16	-595.14	-346.33	1687.52	974.30	109.14	62.74
SNB-LH1P	-40.80	2094.75	-355.71	5092.44	799.68	718.70	44.41
SNB-LH11	40.63	741.83	1991.48	3240.44	4010.50	398.23	600.17
SNB-LH12	-0.13	-3380.49	-1952.54	-470.00	-270.12	-384.67	-222.05
SNB-LH2P	-41.32	-5092.43	-799.72	-2384.82	267.22	-747.73	-53.26
SNB-LH21	41.15	-3240.36	-4010.56	-962.37	-2198.74	-420.28	-620.93
SNB-LH22	-0.13	470.00	270.11	4864.18	2810.36	532.87	307.73
SNB-LI1P	-17.62	2464.93	2351.22	7886.87	8538.17	1035.11	1088.87
SNB-LI11	17.36	3269.63	957.97	11338.13	2559.34	1460.68	351.70
SNB-LI12	-0.11	-7050.62	-4073.56	-6975.79	-4029.11	-1401.28	-809.48
SNB-LI2P	-16.03	-7886.86	-8538.18	-1422.67	-7129.42	-930.95	-1566.77
SNB-LI21	15.76	-11338.10	-2559.48	-6885.62	2333.48	-1822.38	-22.60
SNB-LI22	-0.11	6975.77	4029.14	15919.51	9198.40	2287.29	1321.46
SNB-H1aP	-4.99	14.04	-28.11	113.07	-22.63	62.94	-25.12
SNB-H1bP	-4.99	-113.07	22.63	-28.62	26.98	-70.15	24.56
SNB-H1cP	-4.81	55.70	-28.34	94.64	7.33	74.44	-10.40
SNB-H1dP	-4.81	-94.64	-7.35	-23.81	-51.49	-58.64	-29.13
SNB-H1eP	7.38	12.49	51.89	104.07	10.36	57.71	30.82
SNB-H1fP	7.38	-104.07	-10.33	-48.21	29.23	-75.40	9.36
SNB-H2aP	1.54	62.98	-15.13	120.40	-14.48	67.87	-10.96
SNB-H2bP	1.54	-120.40	14.48	-55.86	15.46	-65.24	11.08
SNB-H2cP	-8.46	157.56	-22.03	104.40	8.14	96.96	-5.14
SNB-H2dP	-8.46	-104.40	-8.16	6.73	-40.34	-36.15	-17.95
SNB-H2eP	7.20	-4.57	40.25	101.15	8.99	35.75	18.22
SNB-H2fP	7.20	-101.15	-8.97	-161.93	21.88	-97.37	4.78
SNB-H3aP	-0.00	134.43	-12.90	182.01	-27.45	93.53	-11.93
SNB-H3bP	-0.00	-182.01	27.45	-134.09	12.96	-93.43	11.94
SNB-H3cP	-3.93	246.36	-15.92	173.54	14.84	124.12	-0.32
SNB-H3dP	-3.94	-173.54	-14.85	-40.91	-31.24	-63.39	-13.62
SNB-H3eP	3.98	40.59	31.18	173.58	14.78	63.31	13.58
SNB-H3fP	3.98	-173.58	-14.77	-246.60	15.92	-124.20	0.34
SNB-H4aP	-0.01	280.98	-7.55	360.18	-25.79	157.75	-8.20
SNB-H4bP	-0.00	-360.18	25.79	-280.84	7.57	-157.71	8.21
SNB-H4cP	-5.11	371.93	-13.89	349.89	14.90	177.60	0.25
SNB-H4dP	-5.11	-349.89	-14.91	-215.63	-25.82	-139.14	-10.02
SNB-H4eP	5.16	215.40	25.93	349.95	15.13	139.10	10.10
SNB-H4fP	5.16	-349.95	-15.12	-372.10	13.86	-177.65	-0.31
SNB-H5aP	0.04	384.68	-8.29	498.33	-48.80	186.10	-12.03
SNB-H5bP	0.05	-498.33	48.80	-385.16	8.40	-186.20	12.05
SNB-H5cP	-7.51	642.48	-19.66	483.33	27.88	237.27	1.73
SNB-H5dP	-7.51	-483.33	-27.89	-165.05	-35.12	-136.65	-13.28
SNB-H5eP	7.55	165.15	35.03	483.28	27.70	136.66	13.22
SNB-H5fP	7.54	-483.28	-27.69	-642.44	19.73	-237.25	-1.68
SNB-H6aP	0.06	546.57	-1.82	760.01	-36.61	240.79	-7.08
SNB-H6bP	0.07	-760.01	36.61	-546.30	1.77	-240.74	7.07
SNB-H6cP	-32.31	782.48	-17.39	690.47	21.55	271.45	0.78
SNB-H6dP	-32.32	-690.47	-21.58	-462.15	-26.79	-212.42	-8.92
SNB-H6eP	32.32	462.01	26.88	690.39	21.85	212.38	8.97

SNB-H6fP	32.31	-690.39	-21.82	-782.85	17.30	-271.51	-0.82
SNB-H7aP	0.01	880.62	0.78	1099.58	-39.35	324.22	-6.32
SNB-H7bP	0.03	-1099.58	39.35	-880.73	-0.76	-324.24	6.32
SNB-H7cP	-29.67	1011.86	-19.02	1039.29	19.78	335.85	0.14
SNB-H7dP	-29.69	-1039.29	-19.81	-896.30	-19.15	-316.92	-6.39
SNB-H7eP	29.71	896.29	19.19	1039.29	19.90	316.92	6.38
SNB-H7fP	29.70	-1039.29	-19.87	-1011.92	19.03	-335.86	-0.12
SNB-H8aP	0.01	1199.40	-1.70	1305.99	-37.29	369.09	-5.74
SNB-H8bP	0.04	-1305.99	37.29	-1199.44	1.72	-369.10	5.75
SNB-H8cP	-8.62	1334.97	-3.84	1297.21	25.08	387.78	3.14
SNB-H8dP	-8.63	-1297.21	-25.09	-1123.91	-18.55	-356.68	-6.44
SNB-H8eP	8.64	1123.88	18.52	1297.17	25.08	356.68	6.42
SNB-H8fP	8.62	-1297.17	-25.06	-1335.06	3.86	-387.79	-3.12
SNB-H9aP	-0.01	1453.36	34.15	1403.06	3.67	382.40	5.06
SNB-H9bP	0.03	-1403.06	-3.67	-1453.43	-34.11	-382.41	-5.06
SNB-H9cP	-19.49	1581.42	54.40	1375.85	72.89	395.92	17.06
SNB-H9dP	-19.52	-1375.85	-72.91	-1446.62	-61.04	-377.87	-17.95
SNB-H9eP	19.53	1446.59	61.02	1375.83	72.86	377.86	17.91
SNB-H9fP	19.50	-1375.83	-72.84	-1581.43	-54.35	-395.92	-17.01

*** Analysis Results for Load Case No. 3 "W+I 0 deg" - Number of iterations in SAPS 13

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	1.314	0.001657	-0.1373	0.0037	0.7115	0.0214	5.647	0.001657	179.9
RohnBP	1.064	0.001328	-0.1358	-0.0039	0.7043	0.0152	6.185	0.001328	159.9
RohnCP	0.8236	0.0006791	-0.1303	-0.0006	0.6617	0.0098	6.733	0.0006791	139.9
RohnDP	0.6045	0.0005307	-0.119	-0.0002	0.5859	0.0063	7.299	0.0005307	119.9
RohnEP	0.4183	0.0004874	-0.1041	-0.0003	0.4668	0.0038	7.899	0.0004874	99.9
RohnFP	0.2679	0.0004069	-0.08754	-0.0003	0.3740	0.0025	8.536	0.0004069	79.91
RohnGP	0.1508	0.0003173	-0.06805	-0.0004	0.2826	0.0017	9.206	0.0003173	59.93
RohnHP	0.06653	0.000206	-0.04768	-0.0003	0.1947	0.0010	9.908	0.000206	39.95
RohnIP	0.01535	0.0001046	-0.02382	-0.0003	0.1070	0.0003	10.65	0.0001046	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	1.315	-0.0002031	-0.11	0.0010	0.7090	0.0000	3.648	-0.0002031	179.9
SNB-BP	1.065	-0.0001465	-0.1094	-0.0002	0.6982	0.0000	4.186	-0.0001465	159.9
SNB-CP	0.8246	-0.0001174	-0.1065	0.0001	0.6557	0.0001	4.733	-0.0001174	139.9
SNB-DP	0.6054	-8.3e-005	-0.09969	0.0001	0.5710	0.0001	5.3	-8.3e-005	119.9
SNB-EP	0.4192	-5.147e-005	-0.08717	0.0001	0.4606	0.0000	5.9	-5.147e-005	99.91
SNB-FP	0.2688	-2.814e-005	-0.07569	0.0001	0.3707	0.0000	6.537	-2.814e-005	79.92
SNB-GP	0.1516	-1.368e-005	-0.06008	0.0000	0.2659	0.0000	7.207	-1.368e-005	59.94
SNB-HP	0.06731	-4.566e-006	-0.04284	0.0000	0.1844	0.0000	7.908	-4.566e-006	39.96
SNB-IP	0.01614	-4.43e-007	-0.02172	0.0000	0.0989	0.0000	8.644	-4.43e-007	19.98
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	1.319	0.000159	-0.05732	0.0055	0.7260	0.0173	-0.8477	-3.752	179.9
RohnA2	1.316	-0.002393	-0.05728	-0.0051	0.7262	0.0252	-0.8509	3.75	179.9
RohnB1	1.069	0.0008206	-0.04369	0.0057	0.7122	0.0073	-1.491	-4.434	160
RohnB2	1.067	-0.002625	-0.04364	-0.0021	0.7088	0.0231	-1.494	4.432	160
RohnC1	0.8286	0.001302	-0.03185	-0.0053	0.6514	-0.0016	-2.126	-5.116	140
RohnC2	0.8274	-0.002274	-0.03182	0.0074	0.6488	0.0212	-2.127	5.115	140
RohnD1	0.6089	0.00215	-0.02272	-0.0015	0.5800	-0.0066	-2.739	-5.796	120
RohnD2	0.6078	-0.002936	-0.02269	0.0024	0.5793	0.0193	-2.74	5.795	120
RohnE1	0.4233	0.002323	-0.0158	0.0005	0.4735	-0.0083	-3.317	-6.476	99.98
RohnE2	0.4223	-0.002975	-0.01578	0.0002	0.4729	0.0160	-3.318	6.476	99.98
RohnF1	0.2727	0.002952	-0.01025	0.0075	0.3909	-0.0085	-3.861	-7.157	79.99
RohnF2	0.2719	-0.003473	-0.01023	-0.0069	0.3902	0.0134	-3.862	7.157	79.99
RohnG1	0.156	0.003154	-0.006367	0.0013	0.2851	-0.0064	-4.371	-7.839	59.99
RohnG2	0.1554	-0.003517	-0.006353	-0.0008	0.2844	0.0097	-4.372	7.838	59.99
RohnH1	0.07179	0.003598	-0.003203	0.0038	0.1943	-0.0048	-4.849	-8.519	40
RohnH2	0.07142	-0.00382	-0.003195	-0.0033	0.1936	0.0068	-4.849	8.519	40
RohnI1	0.02072	0.003438	-0.00169	0.0221	0.0863	-0.0029	-5.294	-9.202	20
RohnI2	0.02054	-0.003546	-0.001686	-0.0218	0.0858	0.0035	-5.294	9.202	20
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	1.316	0.0005809	-0.06635	-0.0032	0.7204	-0.0012	0.1499	-2.02	179.9
SNB-A2	1.316	-0.000994	-0.06633	0.0035	0.7197	0.0014	0.1499	2.019	179.9
SNB-B1	1.068	0.0009007	-0.05248	-0.0007	0.7057	-0.0014	-0.493	-2.702	159.9
SNB-B2	1.068	-0.001201	-0.05247	0.0011	0.7061	0.0017	-0.493	2.702	159.9
SNB-C1	0.8272	0.001231	-0.03981	-0.0021	0.6642	-0.0028	-1.127	-3.383	140
SNB-C2	0.8272	-0.001481	-0.0398	0.0022	0.6641	0.0029	-1.127	3.383	140
SNB-D1	0.6084	0.001538	-0.02926	-0.0053	0.5875	-0.0032	-1.739	-4.064	120
SNB-D2	0.6084	-0.001717	-0.02925	0.0055	0.5875	0.0033	-1.739	4.064	120
SNB-E1	0.4225	0.001869	-0.02172	-0.0034	0.4716	-0.0030	-2.318	-4.745	99.98
SNB-E2	0.4225	-0.00198	-0.02171	0.0035	0.4716	0.0030	-2.318	4.745	99.98
SNB-F1	0.2725	0.002151	-0.01428	-0.0007	0.3942	-0.0028	-2.862	-5.426	79.99
SNB-F2	0.2725	-0.002213	-0.01427	0.0009	0.3942	0.0028	-2.862	5.426	79.99
SNB-G1	0.1556	0.002472	-0.009003	-0.0024	0.2930	-0.0034	-3.372	-6.107	59.99
SNB-G2	0.1556	-0.002504	-0.008995	0.0024	0.2930	0.0034	-3.372	6.107	59.99
SNB-H1	0.07168	0.002761	-0.004707	-0.0040	0.1990	-0.0032	-3.849	-6.788	40
SNB-H2	0.07168	-0.002774	-0.004702	0.0041	0.1990	0.0032	-3.849	6.788	40
SNB-I1	0.0203	0.00278	-0.002239	0.0146	0.0922	-0.0030	-4.294	-7.469	20

SNB-I2	0.0203	-0.002782	-0.002237	-0.0146	0.0922	0.0030	-4.294	7.469	20	
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0	
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0	
RohnAaS	1.251	0.001861	-0.1373	-0.0012	0.7189	0.0198	5.781	0.001861	174.9	
RohnAbS	1.189	0.001641	-0.137	-0.0005	0.7159	0.0183	5.916	0.001641	169.9	
RohnAcS	1.126	0.001742	-0.1366	-0.0018	0.7103	0.0167	6.05	0.001742	164.9	
RohnBaS	1.003	0.001148	-0.1349	-0.0017	0.7000	0.0139	6.321	0.001148	154.9	
RohnBbS	0.9422	0.0009468	-0.1338	-0.0031	0.6921	0.0125	6.457	0.0009468	149.9	
RohnBcS	0.8823	0.0007117	-0.1323	-0.0015	0.6784	0.0112	6.594	0.0007117	144.9	
RohnCaS	0.7479	0.0005653	-0.1275	-0.0010	0.6384	0.0087	6.919	0.0005653	133.2	
RohnCbS	0.6747	0.0005279	-0.1237	-0.0001	0.6152	0.0075	7.108	0.0005279	126.5	
RohnDaS	0.5388	0.0005136	-0.1148	-0.0002	0.5447	0.0055	7.496	0.0005136	113.2	
RohnDbS	0.4766	0.0005118	-0.1098	-0.0002	0.5203	0.0047	7.696	0.0005118	106.6	
RohnEaS	0.3653	0.0004681	-0.09906	-0.0002	0.4411	0.0034	8.108	0.0004681	93.24	
RohnEbS	0.315	0.0004499	-0.09353	-0.0004	0.4206	0.0029	8.321	0.0004499	86.57	
RohnFaS	0.2066	0.0003768	-0.0783	-0.0003	0.3360	0.0021	8.868	0.0003768	69.92	
RohnGaS	0.106	0.0002635	-0.05826	-0.0004	0.2391	0.0013	9.554	0.0002635	49.94	
RohnHaS	0.03776	0.0001562	-0.03614	-0.0003	0.1404	0.0006	10.27	0.0001562	29.96	
RohnIaS	0.0009708	5.079e-005	-0.01242	-0.0004	0.0353	0.0001	11.03	5.079e-005	9.988	
SNB-AaS	1.252	-0.0001373	-0.11	-0.0004	0.7197	-0.0000	3.782	-0.0001373	174.9	
SNB-AbS	1.189	-0.0002214	-0.11	0.0002	0.7154	0.0000	3.916	-0.0002214	169.9	
SNB-AcS	1.127	-0.0001124	-0.1098	0.0006	0.7121	0.0000	4.051	-0.0001124	164.9	
SNB-BaS	1.004	-0.0001358	-0.109	0.0002	0.7020	0.0000	4.322	-0.0001358	154.9	
SNB-BbS	0.9431	-0.000122	-0.1084	0.0000	0.6915	0.0000	4.458	-0.000122	149.9	
SNB-BcS	0.8832	-0.0001249	-0.1075	-0.0000	0.6806	0.0001	4.594	-0.0001249	144.9	
SNB-CaS	0.7488	-0.0001056	-0.1047	0.0001	0.6394	0.0001	4.919	-0.0001056	133.2	
SNB-CbS	0.6756	-9.483e-005	-0.1024	0.0001	0.6195	0.0001	5.109	-9.483e-005	126.6	
SNB-DaS	0.5397	-7.314e-005	-0.09615	0.0001	0.5485	0.0000	5.496	-7.314e-005	113.2	
SNB-DbS	0.4775	-5.876e-005	-0.09194	0.0001	0.5213	0.0000	5.697	-5.876e-005	106.6	
SNB-EaS	0.3662	-4.382e-005	-0.08382	0.0001	0.4432	0.0000	6.109	-4.382e-005	93.26	
SNB-EbS	0.3158	-3.432e-005	-0.07995	0.0001	0.4217	0.0000	6.322	-3.432e-005	86.58	
SNB-FaS	0.2074	-1.854e-005	-0.06832	0.0000	0.3416	0.0000	6.869	-1.854e-005	69.93	
SNB-GaS	0.1068	-7.771e-006	-0.05187	0.0000	0.2463	0.0000	7.555	-7.771e-006	49.95	
SNB-HaS	0.03854	-1.514e-006	-0.03275	0.0000	0.1455	0.0000	8.273	-1.514e-006	29.97	
SNB-IaS	0.001752	3.818e-007	-0.01163	0.0000	0.0410	0.0000	9.023	3.818e-007	9.988	
SNB-WL-A1S	1.316	0.0001822	-0.08831	-0.0009	0.7142	-0.0023	1.899	-1.01	179.9	
SNB-WL-A2S	1.316	-0.0002066	-0.06645	-0.0000	0.7200	0.0001	0.1499	-0.0002066	179.9	
SNB-WL-A3S	1.316	-0.0005905	-0.08829	0.0021	0.7141	0.0023	1.899	1.01	179.9	
SNB-WL-B1S	1.066	0.0003702	-0.08113	0.0027	0.6965	-0.0022	1.847	-1.351	159.9	
SNB-WL-B2S	1.068	-0.0001502	-0.05261	0.0002	0.7059	0.0001	-0.4929	-0.0001502	159.9	
SNB-WL-B3S	1.066	-0.0006637	-0.08113	-0.0027	0.6966	0.0024	1.847	1.351	159.9	
SNB-WL-C1S	0.8259	0.0005223	-0.07359	0.0042	0.6510	-0.0025	1.803	-1.692	139.9	
SNB-WL-C2S	0.8272	-0.0001253	-0.04018	0.0001	0.6642	0.0001	-1.127	-0.0001253	140	
SNB-WL-C3S	0.8259	-0.000766	-0.07358	-0.0040	0.6510	0.0027	1.803	1.691	139.9	
SNB-WL-D1S	0.6069	0.0006797	-0.06567	0.0021	0.5711	-0.0019	1.781	-2.032	119.9	
SNB-WL-D2S	0.6085	-8.963e-005	-0.03035	0.0001	0.5875	0.0000	-1.739	-8.963e-005	120	
SNB-WL-D3S	0.6069	-0.0008529	-0.06567	-0.0019	0.5711	0.0020	1.781	2.032	119.9	
SNB-WL-E1S	0.4209	0.0008521	-0.05535	0.0052	0.4542	-0.0017	1.791	-2.372	99.94	
SNB-WL-E2S	0.4226	-5.58e-005	-0.02253	0.0001	0.4716	0.0000	-2.318	-5.58e-005	99.98	
SNB-WL-E3S	0.4209	-0.0009594	-0.05534	-0.0051	0.4542	0.0017	1.791	2.372	99.94	
SNB-WL-F1S	0.2707	0.001006	-0.04677	0.0049	0.3734	-0.0011	1.838	-2.713	79.95	
SNB-WL-F2S	0.2726	-3.094e-005	-0.01561	0.0001	0.3942	0.0000	-2.861	-3.094e-005	79.98	
SNB-WL-F3S	0.2707	-0.001064	-0.04676	-0.0048	0.3734	0.0011	1.838	2.713	79.95	
SNB-WL-G1S	0.1536	0.001145	-0.03767	0.0010	0.2757	-0.0008	1.917	-3.054	59.96	
SNB-WL-G2S	0.1558	-1.591e-005	-0.01162	0.0000	0.2930	0.0000	-3.372	-1.591e-005	59.99	
SNB-WL-G3S	0.1536	-0.001174	-0.03767	-0.0010	0.2757	0.0009	1.917	3.054	59.96	
SNB-WL-H1S	0.06955	0.001285	-0.02806	0.0025	0.1838	-0.0009	2.03	-3.394	39.97	
SNB-WL-H2S	0.07193	-6.207e-006	-0.008841	0.0000	0.1990	0.0000	-3.849	-6.207e-006	39.99	
SNB-WL-H3S	0.06955	-0.001296	-0.02806	-0.0025	0.1838	0.0010	2.03	3.394	39.97	
SNB-WL-I1S	0.01821	0.001421	-0.01688	0.0106	0.0899	-0.0012	2.175	-3.735	19.98	
SNB-WL-I2S	0.02079	-1.264e-006	-0.006679	0.0000	0.0922	0.0000	-4.293	-1.264e-006	19.99	
SNB-WL-I3S	0.01821	-0.001423	-0.01688	-0.0106	0.0899	0.0012	2.175	3.735	19.98	
RohnAa1	1.256	0.0003898	-0.05375	-0.0010	0.7115	0.0154	-1.009	-3.923	174.9	
RohnAa2	1.252	-0.002806	-0.0537	0.0003	0.7175	0.0244	-1.013	3.92	174.9	
RohnAb1	1.194	0.0001862	-0.05031	0.0031	0.7190	0.0124	-1.169	-4.094	169.9	
RohnAb2	1.19	-0.002717	-0.05023	0.0015	0.7130	0.0238	-1.173	4.091	169.9	

RohnAc1	1.131	0.0007443	-0.04693	0.0039	0.7177	0.0098	-1.331	-4.264	165	
RohnAc2	1.128	-0.002779	-0.04687	0.0029	0.7070	0.0232	-1.334	4.262	165	
RohnBa1	1.007	0.001259	-0.04051	-0.0026	0.6942	0.0054	-1.652	-4.604	155	
RohnBa2	1.005	-0.002827	-0.04046	0.0069	0.6882	0.0222	-1.654	4.603	155	
RohnBb1	0.9475	0.0008067	-0.03746	0.0061	0.7018	0.0020	-1.81	-4.775	150	
RohnBb2	0.9457	-0.002138	-0.03742	-0.0021	0.6968	0.0229	-1.812	4.774	150	
RohnBc1	0.8857	0.001986	-0.03452	0.0043	0.6847	-0.0002	-1.97	-4.945	145	
RohnBc2	0.8842	-0.00309	-0.03448	-0.0009	0.6804	0.0224	-1.972	4.944	145	
RohnCa1	0.7521	0.001798	-0.02836	0.0087	0.6553	-0.0046	-2.333	-5.342	133.3	
RohnCa2	0.751	-0.002666	-0.02833	-0.0074	0.6543	0.0219	-2.334	5.341	133.3	
RohnCb1	0.6779	0.002499	-0.02527	0.0003	0.6141	-0.0054	-2.539	-5.569	126.6	
RohnCb2	0.6768	-0.003331	-0.02524	0.0007	0.6133	0.0204	-2.54	5.568	126.6	
RohnDa1	0.5428	0.002346	-0.02001	0.0042	0.5555	-0.0077	-2.936	-6.022	113.3	
RohnDa2	0.5418	-0.003097	-0.01997	-0.0034	0.5549	0.0187	-2.937	6.022	113.3	
RohnDb1	0.4803	0.002745	-0.0177	-0.0016	0.5129	-0.0078	-3.129	-6.249	106.6	
RohnDb2	0.4793	-0.003444	-0.01767	0.0025	0.5120	0.0172	-3.13	6.249	106.6	
RohnEa1	0.3693	0.002906	-0.01371	0.0043	0.4489	-0.0085	-3.502	-6.703	93.33	
RohnEa2	0.3684	-0.003511	-0.01368	-0.0037	0.4482	0.0153	-3.503	6.702	93.33	
RohnEb1	0.3192	0.002978	-0.01185	-0.0031	0.4127	-0.0080	-3.684	-6.93	86.65	
RohnEb2	0.3184	-0.003538	-0.01183	0.0036	0.4122	0.0139	-3.685	6.93	86.65	
RohnFa1	0.2082	0.004486	-0.008017	-0.0017	0.3322	-0.0071	-4.123	-7.497	69.99	
RohnFa2	0.2075	-0.004922	-0.007998	0.0023	0.3314	0.0113	-4.123	7.496	69.99	
RohnGa1	0.1085	0.004554	-0.004567	0.0003	0.2420	-0.0056	-4.616	-8.178	50	
RohnGa2	0.108	-0.004845	-0.004555	0.0002	0.2412	0.0083	-4.616	8.177	50	
RohnHa1	0.0405	0.005087	-0.002273	-0.0073	0.1492	-0.0037	-5.077	-8.859	30	
RohnHa2	0.04023	-0.00525	-0.002267	0.0076	0.1486	0.0050	-5.078	8.859	30	
RohnIa1	0.007245	0.006659	-0.0009945	-0.0204	0.0674	-0.0017	-5.505	-9.541	9.999	
RohnIa2	0.007158	-0.00671	-0.0009927	0.0208	0.0667	0.0020	-5.505	9.541	9.999	
SNB-Aa1	1.254	0.0006943	-0.06277	0.0013	0.7149	-0.0013	-0.01119	-2.19	174.9	
SNB-Aa2	1.254	-0.001075	-0.06276	-0.0005	0.7158	0.0016	-0.01114	2.19	174.9	
SNB-Ab1	1.192	0.0007792	-0.05925	0.0011	0.7178	-0.0016	-0.1719	-2.361	169.9	
SNB-Ab2	1.191	-0.001089	-0.05924	-0.0010	0.7176	0.0018	-0.172	2.361	169.9	
SNB-Ac1	1.129	0.000963	-0.05581	0.0001	0.7115	-0.0015	-0.333	-2.531	164.9	
SNB-Ac2	1.129	-0.001315	-0.0558	-0.0001	0.7107	0.0017	-0.333	2.531	164.9	
SNB-Ba1	1.006	0.001126	-0.04914	0.0019	0.7021	-0.0021	-0.6529	-2.872	155	
SNB-Ba2	1.006	-0.001412	-0.04913	-0.0018	0.7019	0.0023	-0.6529	2.872	155	
SNB-Bb1	0.9453	0.001172	-0.04591	-0.0004	0.6922	-0.0024	-0.8119	-3.042	150	
SNB-Bb2	0.9453	-0.00144	-0.0459	0.0007	0.6923	0.0026	-0.8119	3.042	150	
SNB-Bc1	0.8855	0.00123	-0.0428	0.0005	0.6774	-0.0026	-0.9702	-3.213	145	
SNB-Bc2	0.8854	-0.001477	-0.04279	-0.0004	0.6774	0.0027	-0.9702	3.213	145	
SNB-Ca1	0.7507	0.001665	-0.03601	0.0049	0.6483	-0.0035	-1.334	-3.61	133.3	
SNB-Ca2	0.7507	-0.00189	-0.03599	-0.0046	0.6484	0.0036	-1.334	3.609	133.3	
SNB-Cb1	0.6773	0.001955	-0.03249	-0.0013	0.6089	-0.0030	-1.539	-3.837	126.6	
SNB-Cb2	0.6772	-0.002154	-0.03248	0.0014	0.6089	0.0031	-1.539	3.837	126.6	
SNB-Da1	0.5414	0.002266	-0.02639	0.0087	0.5601	-0.0039	-1.937	-4.29	113.3	
SNB-Da2	0.5414	-0.002419	-0.02638	-0.0085	0.5601	0.0040	-1.937	4.29	113.3	
SNB-Db1	0.479	0.002589	-0.02388	-0.0042	0.5084	-0.0030	-2.131	-4.517	106.6	
SNB-Db2	0.479	-0.002722	-0.02386	0.0043	0.5083	0.0031	-2.131	4.517	106.6	
SNB-Ea1	0.3687	0.002337	-0.01898	0.0049	0.4503	-0.0033	-2.503	-4.971	93.32	
SNB-Ea2	0.3687	-0.002432	-0.01897	-0.0048	0.4503	0.0033	-2.503	4.971	93.32	
SNB-Eb1	0.3185	0.002495	-0.01651	-0.0027	0.4095	-0.0025	-2.684	-5.199	86.64	
SNB-Eb2	0.3185	-0.002574	-0.01649	0.0029	0.4095	0.0025	-2.684	5.199	86.64	
SNB-Fa1	0.2071	0.004193	-0.01137	0.0018	0.3307	-0.0027	-3.124	-5.765	69.99	
SNB-Fa2	0.2071	-0.00424	-0.01137	-0.0017	0.3307	0.0028	-3.124	5.765	69.99	
SNB-Ga1	0.1074	0.004268	-0.00662	0.0024	0.2379	-0.0032	-3.617	-6.446	49.99	
SNB-Ga2	0.1074	-0.004289	-0.006614	-0.0023	0.2379	0.0032	-3.617	6.446	49.99	
SNB-Ha1	0.03942	0.004811	-0.00327	-0.0028	0.1480	-0.0031	-4.078	-7.126	30	
SNB-Ha2	0.03942	-0.004817	-0.003266	0.0029	0.1480	0.0031	-4.078	7.126	30	
SNB-Ia1	0.006205	0.006357	-0.001285	-0.0157	0.0641	-0.0017	-4.505	-7.806	9.999	
SNB-Ia2	0.006205	-0.006358	-0.001284	0.0158	0.0641	0.0017	-4.505	7.806	9.999	

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

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

RohnJP	-13.44	0.0	-0.05	0.0	304.41	0.0	0.0	304.71	0.0	0.03	0.0	1.9	0.0	-0.00	0.0	0.0
SNB-JP	-20.96	0.0	-0.00	0.0	369.26	0.0	0.0	369.86	0.0	0.00	0.0	2.6	0.0	-0.00	0.0	0.0
RohnJ1	-10.30	0.0	-14.40	0.0	-122.00	0.0	0.0	123.28	0.0	6.58	0.0	-4.0	0.0	-0.00	0.0	0.0
RohnJ2	-10.21	0.0	14.45	0.0	-122.06	0.0	0.0	123.34	0.0	-6.61	0.0	-4.0	0.0	-0.00	0.0	0.0
SNB-J1	-19.81	0.0	-27.14	0.0	-155.11	0.0	0.0	158.71	0.0	13.67	0.0	-6.3	0.0	-0.07	0.0	0.0
SNB-J2	-19.81	0.0	27.14	0.0	-155.15	0.0	0.0	158.75	0.0	-13.67	0.0	-6.3	0.0	0.07	0.0	0.0

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

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	1.3958	0.0000	-0.5163	-1.3958	-0.0000	0.5163	1.3138	0.0017	-0.1373
RohnBP	1.5157	0.0000	-0.6990	-1.5157	-0.0000	0.6990	1.0644	0.0013	-0.1358
RohnCP	1.2365	0.0000	-0.9164	-1.2365	0.0000	0.9164	0.8236	0.0007	-0.1303
RohnDP	1.4234	0.0000	-1.5344	-1.4234	0.0000	1.5344	0.6045	0.0005	-0.1190
RohnEP	0.6395	0.0000	-0.8607	-0.6395	-0.0000	0.8607	0.4183	0.0005	-0.1041
RohnFP	0.7990	0.0000	-1.1597	-0.7990	-0.0000	1.1597	0.2679	0.0004	-0.0875
RohnGP	0.7665	0.0000	-1.3973	-0.7665	-0.0000	1.3973	0.1508	0.0003	-0.0681
RohnHP	0.7233	0.0000	-1.5256	-0.7233	-0.0000	1.5256	0.0665	0.0002	-0.0477
RohnIP	0.7946	0.0000	-1.7796	-0.7946	-0.0000	1.7796	0.0154	0.0001	-0.0238
RohnJP	0.4229	0.0000	-0.9782	13.0178	0.0546	-303.4343	0.0000	0.0000	0.0000
SNB-AP	0.1621	0.0000	-0.1347	-0.1621	0.0000	0.1347	1.3148	-0.0002	-0.1100
SNB-BP	0.3837	0.0000	-0.3242	-0.3837	0.0000	0.3242	1.0654	-0.0001	-0.1094
SNB-CP	0.5333	0.0000	-0.5084	-0.5333	-0.0000	0.5084	0.8246	-0.0001	-0.1065
SNB-DP	0.6276	0.0000	-0.6945	-0.6276	0.0000	0.6945	0.6054	-0.0001	-0.0997
SNB-EP	0.6395	0.0000	-0.8607	-0.6395	0.0000	0.8607	0.4192	-0.0001	-0.0872
SNB-FP	0.7153	0.0000	-1.1382	-0.7153	0.0000	1.1382	0.2688	-0.0000	-0.0757
SNB-GP	0.7665	0.0000	-1.3973	-0.7665	0.0000	1.3973	0.1516	-0.0000	-0.0601
SNB-HP	0.7233	0.0000	-1.5256	-0.7233	0.0000	1.5256	0.0673	-0.0000	-0.0428
SNB-IP	0.7714	0.0000	-1.7596	-0.7714	-0.0000	1.7596	0.0161	-0.0000	-0.0217
SNB-JP	0.4229	0.0000	-0.9782	20.5371	0.0017	-368.2856	0.0000	0.0000	0.0000
RohnA1	1.5751	0.0000	-0.5671	-1.5751	-0.0000	0.5671	1.3188	0.0002	-0.0573
RohnA2	1.8225	0.0000	-0.7492	-1.8225	0.0000	0.7492	1.3156	-0.0024	-0.0573
RohnB1	0.6769	0.0000	-0.4690	-0.6769	-0.0000	0.4690	1.0693	0.0008	-0.0437
RohnB2	0.6586	0.0000	-0.4090	-0.6586	-0.0000	0.4090	1.0667	-0.0026	-0.0436
RohnC1	1.2926	0.0000	-1.0764	-1.2926	0.0000	1.0764	0.8286	0.0013	-0.0318
RohnC2	1.5766	0.0000	-1.1654	-1.5766	-0.0000	1.1654	0.8274	-0.0023	-0.0318
RohnD1	1.4234	0.0000	-1.5344	-1.4234	0.0000	1.5344	0.6089	0.0022	-0.0227
RohnD2	1.4234	0.0000	-1.5344	-1.4234	-0.0000	1.5344	0.6078	-0.0029	-0.0227
RohnE1	0.6395	0.0000	-0.8607	-0.6395	-0.0000	0.8607	0.4233	0.0023	-0.0158
RohnE2	0.6395	0.0000	-0.8607	-0.6395	-0.0000	0.8607	0.4223	-0.0030	-0.0158
RohnF1	0.8948	0.0000	-1.2092	-0.8948	-0.0000	1.2092	0.2727	0.0030	-0.0103
RohnF2	0.7990	0.0000	-1.1597	-0.7990	0.0000	1.1597	0.2719	-0.0035	-0.0102
RohnG1	0.7941	0.0000	-1.4173	-0.7941	0.0000	1.4173	0.1560	0.0032	-0.0064
RohnG2	0.7941	0.0000	-1.4173	-0.7941	-0.0000	1.4173	0.1554	-0.0035	-0.0064
RohnH1	0.7233	0.0000	-1.5256	-0.7233	-0.0000	1.5256	0.0718	0.0036	-0.0032
RohnH2	0.7233	0.0000	-1.5256	-0.7233	-0.0000	1.5256	0.0714	-0.0038	-0.0032
RohnI1	0.7714	0.0000	-1.7596	-0.7714	0.0000	1.7596	0.0207	0.0034	-0.0017
RohnI2	0.7714	0.0000	-1.7596	-0.7714	-0.0000	1.7596	0.0205	-0.0035	-0.0017
RohnJ1	0.4229	0.0000	-0.9782	9.8802	14.3968	122.9802	0.0000	0.0000	0.0000
RohnJ2	0.4229	0.0000	-0.9782	9.7838	-14.4533	123.0408	0.0000	0.0000	0.0000
SNB-A1	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.3164	0.0006	-0.0663
SNB-A2	0.1621	0.0000	-0.1347	-0.1621	0.0000	0.1347	1.3164	-0.0010	-0.0663
SNB-B1	0.3837	0.0000	-0.3242	-0.3837	-0.0000	0.3242	1.0675	0.0009	-0.0525
SNB-B2	0.3837	0.0000	-0.3242	-0.3837	0.0000	0.3242	1.0675	-0.0012	-0.0525
SNB-C1	0.5333	0.0000	-0.5084	-0.5333	-0.0000	0.5084	0.8272	0.0012	-0.0398
SNB-C2	0.5333	0.0000	-0.5084	-0.5333	0.0000	0.5084	0.8272	-0.0015	-0.0398
SNB-D1	0.6276	0.0000	-0.6945	-0.6276	-0.0000	0.6945	0.6084	0.0015	-0.0293
SNB-D2	0.6276	0.0000	-0.6945	-0.6276	0.0000	0.6945	0.6084	-0.0017	-0.0292
SNB-E1	0.6395	0.0000	-0.8607	-0.6395	-0.0000	0.8607	0.4225	0.0019	-0.0217
SNB-E2	0.6395	0.0000	-0.8607	-0.6395	0.0000	0.8607	0.4225	-0.0020	-0.0217
SNB-F1	0.7153	0.0000	-1.1382	-0.7153	-0.0000	1.1382	0.2725	0.0022	-0.0143

SNB-F2	0.7153	0.0000	-1.1382	-0.7153	0.0000	1.1382	0.2725	-0.0022	-0.0143
SNB-G1	0.7665	0.0000	-1.3973	-0.7665	-0.0000	1.3973	0.1556	0.0025	-0.0090
SNB-G2	0.7665	0.0000	-1.3973	-0.7665	0.0000	1.3973	0.1556	-0.0025	-0.0090
SNB-H1	0.7233	0.0000	-1.5256	-0.7233	-0.0000	1.5256	0.0717	0.0028	-0.0047
SNB-H2	0.7233	0.0000	-1.5256	-0.7233	0.0000	1.5256	0.0717	-0.0028	-0.0047
SNB-I1	0.7714	0.0000	-1.7596	-0.7714	-0.0000	1.7596	0.0203	0.0028	-0.0022
SNB-I2	0.7714	0.0000	-1.7596	-0.7714	0.0000	1.7596	0.0203	-0.0028	-0.0022
SNB-J1	0.4229	0.0000	-0.9782	19.3889	27.1425	156.0865	0.0000	0.0000	0.0000
SNB-J2	0.4229	0.0000	-0.9782	19.3878	-27.1422	156.1326	0.0000	0.0000	0.0000
RohnAaS	1.2621	0.0000	-0.3647	-1.2621	0.0000	0.3647	1.2514	0.0019	-0.1373
RohnAbS	0.1621	0.0000	-0.1347	-0.1621	0.0000	0.1347	1.1885	0.0016	-0.1370
RohnAcS	0.1805	0.0000	-0.1547	-0.1805	0.0000	0.1547	1.1264	0.0017	-0.1366
RohnBaS	0.2216	0.0000	-0.1894	-0.2216	0.0000	0.1894	1.0031	0.0011	-0.1349
RohnBbS	1.8803	0.0000	-1.1644	-1.8803	0.0000	1.1644	0.9422	0.0009	-0.1338
RohnBcS	0.2748	0.0000	-0.2644	-0.2748	0.0000	0.2644	0.8823	0.0007	-0.1323
RohnCaS	2.0118	0.0000	-1.0982	-2.0118	0.0000	1.0982	0.7479	0.0006	-0.1275
RohnCbS	0.3936	0.0000	-0.4890	-0.3936	0.0000	0.4890	0.6747	0.0005	-0.1237
RohnDaS	0.4448	0.0000	-0.6205	-0.4448	0.0000	0.6205	0.5388	0.0005	-0.1148
RohnDbS	0.3159	0.0000	-0.3755	-0.3159	0.0000	0.3755	0.4766	0.0005	-0.1098
RohnEaS	0.3236	0.0000	-0.4851	-0.3236	-0.0000	0.4851	0.3653	0.0005	-0.0991
RohnEbS	0.3695	0.0000	-0.5601	-0.3695	-0.0000	0.5601	0.3150	0.0004	-0.0935
RohnFaS	0.3917	0.0000	-0.6531	-0.3917	-0.0000	0.6531	0.2066	0.0004	-0.0783
RohnGaS	0.3749	0.0000	-0.7442	-0.3749	-0.0000	0.7442	0.1060	0.0003	-0.0583
RohnHaS	0.3485	0.0000	-0.7814	-0.3485	-0.0000	0.7814	0.0378	0.0002	-0.0361
RohnIaS	0.4229	0.0000	-0.9782	-0.4229	-0.0000	0.9782	0.0010	0.0001	-0.0124
SNB-AaS	0.1621	0.0000	-0.1347	-0.1621	0.0000	0.1347	1.2524	-0.0001	-0.1100
SNB-AbS	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.1895	-0.0002	-0.1100
SNB-AcS	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.1274	-0.0001	-0.1098
SNB-BaS	0.2216	0.0000	-0.1894	-0.2216	-0.0000	0.1894	1.0041	-0.0001	-0.1090
SNB-BbS	0.2216	0.0000	-0.1894	-0.2216	-0.0000	0.1894	0.9431	-0.0001	-0.1084
SNB-BcS	0.2216	0.0000	-0.1894	-0.2216	-0.0000	0.1894	0.8832	-0.0001	-0.1075
SNB-CaS	0.3117	0.0000	-0.3190	-0.3117	-0.0000	0.3190	0.7488	-0.0001	-0.1047
SNB-CbS	0.3117	0.0000	-0.3190	-0.3117	-0.0000	0.3190	0.6756	-0.0001	-0.1024
SNB-DaS	0.3159	0.0000	-0.3755	-0.3159	-0.0000	0.3755	0.5397	-0.0001	-0.0961
SNB-DbS	0.3159	0.0000	-0.3755	-0.3159	-0.0000	0.3755	0.4775	-0.0001	-0.0919
SNB-EaS	0.3236	0.0000	-0.4851	-0.3236	-0.0000	0.4851	0.3662	-0.0000	-0.0838
SNB-EbS	0.3236	0.0000	-0.4851	-0.3236	-0.0000	0.4851	0.3158	-0.0000	-0.0800
SNB-FaS	0.3917	0.0000	-0.6531	-0.3917	-0.0000	0.6531	0.2074	-0.0000	-0.0683
SNB-GaS	0.3749	0.0000	-0.7442	-0.3749	-0.0000	0.7442	0.1068	-0.0000	-0.0519
SNB-HaS	0.3485	0.0000	-0.7814	-0.3485	0.0000	0.7814	0.0385	-0.0000	-0.0328
SNB-IaS	0.4229	0.0000	-0.9782	-0.4229	-0.0000	0.9782	0.0018	0.0000	-0.0116
SNB-WL-A1S	0.1621	0.0000	-0.1347	-0.1621	0.0000	0.1347	1.3156	0.0002	-0.0883
SNB-WL-A2S	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.3164	-0.0002	-0.0664
SNB-WL-A3S	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.3156	-0.0006	-0.0883
SNB-WL-B1S	0.1621	0.0000	-0.1347	-0.1621	0.0000	0.1347	1.0665	0.0004	-0.0811
SNB-WL-B2S	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.0676	-0.0002	-0.0526
SNB-WL-B3S	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.0665	-0.0007	-0.0811
SNB-WL-C1S	0.2216	0.0000	-0.1894	-0.2216	0.0000	0.1894	0.8259	0.0005	-0.0736
SNB-WL-C2S	0.2216	0.0000	-0.1894	-0.2216	-0.0000	0.1894	0.8272	-0.0001	-0.0402
SNB-WL-C3S	0.2216	0.0000	-0.1894	-0.2216	-0.0000	0.1894	0.8259	-0.0008	-0.0736
SNB-WL-D1S	0.3117	0.0000	-0.3190	-0.3117	0.0000	0.3190	0.6069	0.0007	-0.0657
SNB-WL-D2S	0.3117	0.0000	-0.3190	-0.3117	-0.0000	0.3190	0.6085	-0.0001	-0.0303
SNB-WL-D3S	0.3117	0.0000	-0.3190	-0.3117	-0.0000	0.3190	0.6069	-0.0009	-0.0657
SNB-WL-E1S	0.3159	0.0000	-0.3755	-0.3159	0.0000	0.3755	0.4209	0.0009	-0.0553
SNB-WL-E2S	0.3159	0.0000	-0.3755	-0.3159	-0.0000	0.3755	0.4226	-0.0001	-0.0225
SNB-WL-E3S	0.3159	0.0000	-0.3755	-0.3159	-0.0000	0.3755	0.4209	-0.0010	-0.0553
SNB-WL-F1S	0.3236	0.0000	-0.4851	-0.3236	0.0000	0.4851	0.2707	0.0010	-0.0468
SNB-WL-F2S	0.3236	0.0000	-0.4851	-0.3236	-0.0000	0.4851	0.2726	-0.0000	-0.0156
SNB-WL-F3S	0.3236	0.0000	-0.4851	-0.3236	-0.0000	0.4851	0.2707	-0.0011	-0.0468
SNB-WL-G1S	0.3917	0.0000	-0.6531	-0.3917	0.0000	0.6531	0.1536	0.0011	-0.0377
SNB-WL-G2S	0.3917	0.0000	-0.6531	-0.3917	-0.0000	0.6531	0.1558	-0.0000	-0.0116
SNB-WL-G3S	0.3917	0.0000	-0.6531	-0.3917	-0.0000	0.6531	0.1536	-0.0012	-0.0377
SNB-WL-H1S	0.3749	0.0000	-0.7442	-0.3749	0.0000	0.7442	0.0696	0.0013	-0.0281
SNB-WL-H2S	0.3749	0.0000	-0.7442	-0.3749	-0.0000	0.7442	0.0719	-0.0000	-0.0088
SNB-WL-H3S	0.3749	0.0000	-0.7442	-0.3749	-0.0000	0.7442	0.0695	-0.0013	-0.0281
SNB-WL-I1S	0.3485	0.0000	-0.7814	-0.3485	0.0000	0.7814	0.0182	0.0014	-0.0169

SNB-WL-I2S	0.3485	0.0000	-0.7814	-0.3485	-0.0000	0.7814	0.0208	-0.0000	-0.0067
SNB-WL-I3S	0.3485	0.0000	-0.7814	-0.3485	-0.0000	0.7814	0.0182	-0.0014	-0.0169
RohnAa1	0.4068	0.0000	-0.2045	-0.4068	0.0000	0.2045	1.2559	0.0004	-0.0538
RohnAa2	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.2525	-0.0028	-0.0537
RohnAb1	1.2382	0.0000	-0.3547	-1.2382	0.0000	0.3547	1.1942	0.0002	-0.0503
RohnAb2	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.1903	-0.0027	-0.0502
RohnAc1	0.1621	0.0000	-0.1347	-0.1621	0.0000	0.1347	1.1309	0.0007	-0.0469
RohnAc2	0.4755	0.0000	-0.2272	-0.4755	-0.0000	0.2272	1.1281	-0.0028	-0.0469
RohnBa1	0.2216	0.0000	-0.1894	-0.2216	0.0000	0.1894	1.0074	0.0013	-0.0405
RohnBa2	0.2216	0.0000	-0.1894	-0.2216	-0.0000	0.1894	1.0051	-0.0028	-0.0405
RohnBb1	1.8349	0.0000	-1.1444	-1.8349	0.0000	1.1444	0.9475	0.0008	-0.0375
RohnBb2	1.8349	0.0000	-1.1444	-1.8349	0.0000	1.1444	0.9457	-0.0021	-0.0374
RohnBc1	0.2216	0.0000	-0.1894	-0.2216	0.0000	0.1894	0.8857	0.0020	-0.0345
RohnBc2	0.2216	0.0000	-0.1894	-0.2216	0.0000	0.1894	0.8842	-0.0031	-0.0345
RohnCa1	2.0603	0.0000	-1.1232	-2.0603	0.0000	1.1232	0.7521	0.0018	-0.0284
RohnCa2	2.2109	0.0000	-1.1712	-2.2109	0.0000	1.1712	0.7510	-0.0027	-0.0283
RohnCb1	0.3117	0.0000	-0.3190	-0.3117	0.0000	0.3190	0.6779	0.0025	-0.0253
RohnCb2	0.3117	0.0000	-0.3190	-0.3117	-0.0000	0.3190	0.6768	-0.0033	-0.0252
RohnDa1	0.3688	0.0000	-0.5355	-0.3688	0.0000	0.5355	0.5428	0.0023	-0.0200
RohnDa2	0.3159	0.0000	-0.3755	-0.3159	0.0000	0.3755	0.5418	-0.0031	-0.0200
RohnDb1	0.3159	0.0000	-0.3755	-0.3159	0.0000	0.3755	0.4803	0.0027	-0.0177
RohnDb2	0.3159	0.0000	-0.3755	-0.3159	-0.0000	0.3755	0.4793	-0.0034	-0.0177
RohnEa1	0.3236	0.0000	-0.4851	-0.3236	-0.0000	0.4851	0.3693	0.0029	-0.0137
RohnEa2	0.3236	0.0000	-0.4851	-0.3236	0.0000	0.4851	0.3684	-0.0035	-0.0137
RohnEb1	0.3236	0.0000	-0.4851	-0.3236	0.0000	0.4851	0.3192	0.0030	-0.0119
RohnEb2	0.3236	0.0000	-0.4851	-0.3236	-0.0000	0.4851	0.3184	-0.0035	-0.0118
RohnFa1	0.3917	0.0000	-0.6531	-0.3917	-0.0000	0.6531	0.2082	0.0045	-0.0080
RohnFa2	0.3917	0.0000	-0.6531	-0.3917	-0.0000	0.6531	0.2075	-0.0049	-0.0080
RohnGa1	0.3749	0.0000	-0.7442	-0.3749	-0.0000	0.7442	0.1085	0.0046	-0.0046
RohnGa2	0.3749	0.0000	-0.7442	-0.3749	-0.0000	0.7442	0.1080	-0.0048	-0.0046
RohnHa1	0.3485	0.0000	-0.7814	-0.3485	0.0000	0.7814	0.0405	0.0051	-0.0023
RohnHa2	0.3485	0.0000	-0.7814	-0.3485	0.0000	0.7814	0.0402	-0.0053	-0.0023
RohnIa1	0.4229	0.0000	-0.9782	-0.4229	-0.0000	0.9782	0.0072	0.0067	-0.0010
RohnIa2	0.4229	0.0000	-0.9782	-0.4229	-0.0000	0.9782	0.0072	-0.0067	-0.0010
SNB-Aa1	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.2538	0.0007	-0.0628
SNB-Aa2	0.1621	0.0000	-0.1347	-0.1621	0.0000	0.1347	1.2539	-0.0011	-0.0628
SNB-Ab1	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.1916	0.0008	-0.0593
SNB-Ab2	0.1621	0.0000	-0.1347	-0.1621	0.0000	0.1347	1.1915	-0.0011	-0.0592
SNB-Ac1	0.1621	0.0000	-0.1347	-0.1621	-0.0000	0.1347	1.1290	0.0010	-0.0558
SNB-Ac2	0.1621	0.0000	-0.1347	-0.1621	0.0000	0.1347	1.1290	-0.0013	-0.0558
SNB-Ba1	0.2216	0.0000	-0.1894	-0.2216	-0.0000	0.1894	1.0060	0.0011	-0.0491
SNB-Ba2	0.2216	0.0000	-0.1894	-0.2216	0.0000	0.1894	1.0060	-0.0014	-0.0491
SNB-Bb1	0.2216	0.0000	-0.1894	-0.2216	-0.0000	0.1894	0.9453	0.0012	-0.0459
SNB-Bb2	0.2216	0.0000	-0.1894	-0.2216	0.0000	0.1894	0.9453	-0.0014	-0.0459
SNB-Bc1	0.2216	0.0000	-0.1894	-0.2216	-0.0000	0.1894	0.8855	0.0012	-0.0428
SNB-Bc2	0.2216	0.0000	-0.1894	-0.2216	0.0000	0.1894	0.8854	-0.0015	-0.0428
SNB-Ca1	0.3117	0.0000	-0.3190	-0.3117	-0.0000	0.3190	0.7507	0.0017	-0.0360
SNB-Ca2	0.3117	0.0000	-0.3190	-0.3117	0.0000	0.3190	0.7507	-0.0019	-0.0360
SNB-Cb1	0.3117	0.0000	-0.3190	-0.3117	-0.0000	0.3190	0.6773	0.0020	-0.0325
SNB-Cb2	0.3117	0.0000	-0.3190	-0.3117	0.0000	0.3190	0.6772	-0.0022	-0.0325
SNB-Da1	0.3159	0.0000	-0.3755	-0.3159	-0.0000	0.3755	0.5414	0.0023	-0.0264
SNB-Da2	0.3159	0.0000	-0.3755	-0.3159	0.0000	0.3755	0.5414	-0.0024	-0.0264
SNB-Db1	0.3159	0.0000	-0.3755	-0.3159	0.0000	0.3755	0.4790	0.0026	-0.0239
SNB-Db2	0.3159	0.0000	-0.3755	-0.3159	0.0000	0.3755	0.4790	-0.0027	-0.0239
SNB-Ea1	0.3236	0.0000	-0.4851	-0.3236	-0.0000	0.4851	0.3687	0.0023	-0.0190
SNB-Ea2	0.3236	0.0000	-0.4851	-0.3236	0.0000	0.4851	0.3687	-0.0024	-0.0190
SNB-Eb1	0.3236	0.0000	-0.4851	-0.3236	0.0000	0.4851	0.3185	0.0025	-0.0165
SNB-Eb2	0.3236	0.0000	-0.4851	-0.3236	-0.0000	0.4851	0.3185	-0.0026	-0.0165
SNB-Fa1	0.3917	0.0000	-0.6531	-0.3917	-0.0000	0.6531	0.2071	0.0042	-0.0114
SNB-Fa2	0.3917	0.0000	-0.6531	-0.3917	0.0000	0.6531	0.2071	-0.0042	-0.0114
SNB-Ga1	0.3749	0.0000	-0.7442	-0.3749	-0.0000	0.7442	0.1074	0.0043	-0.0066
SNB-Ga2	0.3749	0.0000	-0.7442	-0.3749	0.0000	0.7442	0.1074	-0.0043	-0.0066
SNB-Ha1	0.3485	0.0000	-0.7814	-0.3485	-0.0000	0.7814	0.0394	0.0048	-0.0033
SNB-Ha2	0.3485	0.0000	-0.7814	-0.3485	-0.0000	0.7814	0.0394	-0.0048	-0.0033
SNB-Ia1	0.4229	0.0000	-0.9782	-0.4229	0.0000	0.9782	0.0062	0.0064	-0.0013
SNB-Ia2	0.4229	0.0000	-0.9782	-0.4229	0.0000	0.9782	0.0062	-0.0064	-0.0013

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	3.00	0.76	5.75	26.38	-32.51	5.43	-5.35
Rohn-LA11	5.18	-0.99	4.93	32.57	79.38	6.31	16.86
Rohn-LA12	0.74	1.22	5.39	-26.83	50.07	-5.12	11.09
Rohn-LA2P	3.00	-26.38	32.51	-29.59	47.86	-11.19	16.07
Rohn-LA21	5.18	-32.58	-79.38	-54.12	-119.03	-17.33	-39.67
Rohn-LA22	0.74	26.82	-50.07	20.41	-26.62	9.44	-15.33
Rohn-LA3P	3.00	29.59	-47.86	36.51	-18.69	13.22	-13.31
Rohn-LA31	5.19	54.12	119.03	49.76	125.35	20.77	48.85
Rohn-LA32	0.74	-20.41	26.62	-27.70	57.70	-9.62	16.86
Rohn-LA4P	3.00	-36.51	18.69	-25.18	49.57	-12.33	13.65
Rohn-LA41	5.18	-49.76	-125.34	-59.76	-96.98	-21.90	-44.45
Rohn-LA42	0.74	27.69	-57.70	53.50	-67.06	16.23	-24.94
Rohn-LB1P	4.32	24.07	-38.85	6.26	-2.88	6.07	-8.34
Rohn-LB11	9.01	58.31	103.85	127.65	252.03	37.18	71.14
Rohn-LB12	-0.37	-49.95	72.63	-124.65	243.64	-34.90	63.22
Rohn-LB2P	4.32	-6.26	2.88	5.64	68.26	-0.12	14.23
Rohn-LB21	9.00	-127.65	-252.03	-200.77	-315.67	-65.66	-113.48
Rohn-LB22	-0.36	124.64	-243.64	199.21	-314.89	64.74	-111.65
Rohn-LB3P	4.32	-5.64	-68.26	-18.32	45.18	-4.79	-4.62
Rohn-LB31	9.03	200.78	315.66	215.94	456.14	83.31	154.28
Rohn-LB32	-0.39	-199.21	314.89	-208.75	450.75	-81.55	153.05
Rohn-LB4P	4.32	18.32	-45.18	11.21	93.86	5.91	9.74
Rohn-LB41	8.99	-215.93	-456.14	-136.59	-180.36	-70.47	-127.23
Rohn-LB42	-0.35	208.74	-450.75	139.14	-188.32	69.54	-127.75
Rohn-LC1P	4.32	-11.21	-93.86	-6.91	128.66	-2.72	5.23
Rohn-LC11	9.04	136.59	180.36	1.61	142.08	20.74	48.39
Rohn-LC12	-0.40	-139.14	188.32	2.98	135.45	-20.43	48.59
Rohn-LC2P	4.32	6.51	-128.66	-1.33	92.84	0.83	-5.36
Rohn-LC21	9.04	-1.61	-142.08	78.87	250.61	11.56	16.24
Rohn-LC22	-0.40	-2.98	-135.45	-80.99	255.62	-12.56	17.98
Rohn-LC3P	4.32	1.33	-92.84	3.25	187.39	0.69	14.20
Rohn-LC31	9.02	-78.87	-250.61	-61.30	74.52	-21.03	-26.42
Rohn-LC32	-0.38	80.99	-255.62	64.58	70.00	21.84	-27.85
Rohn-LD1P	4.32	-3.26	-187.39	-3.52	109.65	-1.02	-11.67
Rohn-LD11	9.04	61.29	-74.52	-53.55	101.74	1.16	4.09
Rohn-LD12	-0.40	-64.58	-70.00	50.72	105.96	-2.08	5.40
Rohn-LD2P	4.32	3.52	-109.65	4.32	65.37	1.17	-6.63
Rohn-LD21	9.07	53.54	-101.74	170.40	204.82	33.50	15.42
Rohn-LD22	-0.43	-50.72	-105.96	-168.51	202.48	-32.80	14.44
Rohn-LD3P	4.32	-4.32	-65.37	-0.96	320.73	-0.79	38.36
Rohn-LD31	8.95	-170.40	-204.82	-212.80	78.64	-57.50	-18.93
Rohn-LD32	-0.32	168.51	-202.48	213.51	80.02	57.32	-18.37
Rohn-LE1P	4.32	0.96	-320.73	-1.27	316.75	-0.05	-0.60
Rohn-LE11	9.04	212.79	-78.64	116.97	532.50	49.48	68.10
Rohn-LE12	-0.40	-213.51	-80.02	-117.15	534.35	-49.62	68.17
Rohn-LE2P	4.32	1.27	-316.75	6.05	193.65	1.10	-18.43
Rohn-LE21	9.01	-116.96	-532.51	67.53	364.68	-7.39	-25.11
Rohn-LE22	-0.37	117.14	-534.35	-65.13	358.27	7.78	-26.34
Rohn-LE3P	4.32	-6.05	-193.65	-6.44	963.28	-1.87	115.60
Rohn-LE31	8.98	-67.52	-364.68	-329.32	177.96	-59.54	-28.02
Rohn-LE32	-0.34	65.12	-358.27	325.79	188.87	58.65	-25.42
Rohn-LF1P	4.32	6.43	-963.28	5.79	75.57	1.22	-88.80
Rohn-LF11	9.13	329.32	-177.95	580.13	1424.25	90.88	124.54
Rohn-LF12	-0.49	-325.79	-188.86	-577.43	1418.00	-90.26	122.83
Rohn-LF2P	4.31	-5.80	-75.57	-2.48	1382.43	-0.83	130.75
Rohn-LF21	8.82	-580.08	-1424.27	-661.08	-137.56	-124.03	-156.07
Rohn-LF22	-0.19	577.37	-1418.02	660.68	-134.76	123.71	-155.16
Rohn-LG1P	4.32	2.48	-1382.43	1.66	44.53	0.41	-133.84
Rohn-LG11	9.19	661.07	137.57	695.16	1553.54	135.53	168.99

Rohn-LG12	-0.56	-660.68	134.77	-694.78	1553.14	-135.45	168.67
Rohn-LG2P	4.32	-1.67	-44.53	-1.66	1413.34	-0.33	136.94
Rohn-LG21	8.81	-695.11	-1553.56	-807.96	12.82	-150.20	-153.96
Rohn-LG22	-0.17	694.73	-1553.17	809.55	10.83	150.32	-154.12
Rohn-LH1P	4.32	1.66	-1413.34	1.03	368.76	0.27	-104.51
Rohn-LH11	9.18	807.95	-12.81	1170.66	1466.26	197.72	145.24
Rohn-LH12	-0.54	-809.55	-10.82	-1170.95	1467.17	-197.90	145.53
Rohn-LH2P	4.32	-1.03	-368.76	-1.14	728.14	-0.22	35.96
Rohn-LH21	8.30	-1170.61	-1466.30	-2133.85	598.56	-330.19	-86.71
Rohn-LH22	0.34	1170.89	-1467.22	2135.21	596.85	330.36	-86.97
Rohn-LI1P	4.32	1.14	-728.14	7.97	4347.16	0.91	362.05
Rohn-LI11	9.32	2133.86	-598.52	5139.15	739.67	726.77	14.10
Rohn-LI12	-0.69	-2135.23	-596.81	-5146.13	752.29	-727.61	15.54
Rohn-LI2P	4.31	-7.98	-4347.15	-34.69	-1854.11	-4.27	-620.42
Rohn-LI21	6.86	-5139.14	-739.76	-6577.73	4028.01	-1170.84	328.59
Rohn-LI22	1.77	5146.12	-752.39	6611.85	3969.07	1174.95	321.44
Rohn-H1P	-0.57	3.23	-2.53	5.17	-3.24	1.12	-0.77
Rohn-H11	0.01	1.00	-2.09	-0.79	-0.79	0.03	-0.38
Rohn-H12	0.97	-5.67	0.21	-4.29	-0.44	-1.33	-0.03
Rohn-H2P	-0.67	6.90	-1.08	7.17	-2.19	1.59	-0.37
Rohn-H21	-0.18	1.46	-1.84	0.33	0.38	0.20	-0.16
Rohn-H22	0.04	-6.57	0.84	-5.89	-0.28	-1.41	0.06
SNB-LA1P	-0.02	4.77	37.14	14.96	-37.93	3.94	-0.16
SNB-LA11	0.44	50.21	-0.34	18.16	38.08	13.67	7.54
SNB-LA12	-0.45	-52.03	-10.83	-23.60	16.73	-15.12	1.18
SNB-LA2P	-0.02	-14.96	37.93	-19.24	68.13	-6.84	21.20
SNB-LA21	0.43	-18.16	-38.08	-16.34	-58.53	-6.90	-19.31
SNB-LA22	-0.45	23.60	-16.73	27.03	-29.90	10.12	-9.32
SNB-LA3P	-0.02	19.24	-68.13	15.84	-45.04	7.01	-22.63
SNB-LA31	0.43	16.34	58.53	23.07	102.80	7.88	32.25
SNB-LA32	-0.45	-27.03	29.90	-33.30	78.42	-12.06	21.65
SNB-LA4P	-0.02	-15.84	45.04	-9.96	142.63	-5.16	37.52
SNB-LA41	0.43	-23.07	-102.80	-17.30	-62.30	-8.07	-33.01
SNB-LA42	-0.45	33.30	-78.42	25.02	-45.73	11.66	-24.82
SNB-LB1P	-0.10	8.69	106.43	0.99	40.37	1.94	29.35
SNB-LB11	4.70	102.36	76.22	56.09	138.90	31.68	43.01
SNB-LB12	-4.50	-107.53	64.23	-57.52	137.15	-32.99	40.26
SNB-LB2P	-0.10	-0.99	-40.37	2.82	144.10	0.37	20.74
SNB-LB21	4.70	-56.09	-138.90	-16.07	34.61	-14.43	-20.85
SNB-LB22	-4.49	57.52	-137.15	14.64	30.50	14.43	-21.32
SNB-LB3P	-0.10	-2.82	-144.10	-2.31	47.45	-1.03	-19.33
SNB-LB31	4.70	16.07	-34.61	1.70	225.41	3.55	38.14
SNB-LB32	-4.49	-14.64	-30.50	3.67	231.28	-2.20	40.14
SNB-LB4P	-0.10	2.31	-47.45	0.21	389.88	0.50	68.47
SNB-LB41	4.70	-1.70	-225.41	43.53	6.58	8.36	-43.74
SNB-LB42	-4.50	-3.67	-231.28	-48.89	2.91	-10.51	-45.65
SNB-LC1P	0.04	-0.28	26.00	0.08	241.48	-0.03	40.16
SNB-LC11	5.34	122.17	-29.60	29.40	179.81	22.75	22.54
SNB-LC12	-5.29	-118.76	-27.38	-28.74	180.08	-22.14	22.92
SNB-LC2P	0.04	-0.08	-241.48	-0.23	21.59	-0.05	-32.92
SNB-LC21	5.33	-29.40	-179.81	52.53	339.03	3.46	23.82
SNB-LC22	-5.28	28.74	-180.08	-51.82	339.74	-3.45	23.89
SNB-LC3P	0.04	0.23	-21.59	0.46	618.30	0.10	89.60
SNB-LC31	5.33	-52.52	-339.03	0.60	-56.28	-7.79	-59.32
SNB-LC32	-5.28	51.81	-339.74	-1.76	-57.50	7.51	-59.61
SNB-LD1P	0.07	-0.49	7.46	-1.03	472.08	-0.23	72.01
SNB-LD11	9.67	405.27	-117.17	116.50	447.01	78.30	49.50
SNB-LD12	-9.59	-403.68	-115.80	-114.87	449.09	-77.82	50.02
SNB-LD2P	0.07	1.03	-472.08	1.30	87.96	0.35	-57.51
SNB-LD21	9.61	-116.49	-447.02	149.70	618.79	4.97	25.70
SNB-LD22	-9.54	114.87	-449.10	-150.61	616.87	-5.35	25.10
SNB-LD3P	0.07	-1.30	-87.96	-0.44	1164.98	-0.26	161.76
SNB-LD31	9.58	-149.69	-618.80	-165.28	140.66	-47.26	-71.74
SNB-LD32	-9.50	150.60	-616.87	166.46	141.63	47.57	-71.31
SNB-LE1P	0.10	0.29	-57.21	-0.90	849.31	-0.09	118.94
SNB-LE11	15.91	652.38	-253.05	217.77	854.24	130.58	90.22

SNB-LE12	-15.81	-652.98	-253.71	-216.95	855.76	-130.55	90.35
SNB-LE2P	0.10	0.90	-849.31	1.49	271.15	0.36	-86.56
SNB-LE21	15.83	-217.76	-854.25	184.01	1270.14	-5.05	62.22
SNB-LE22	-15.73	216.94	-855.76	-185.69	1267.54	4.67	61.61
SNB-LE3P	0.09	-1.49	-271.15	-0.68	2389.42	-0.32	318.10
SNB-LE31	15.81	-183.99	-1270.14	-288.77	-474.59	-70.94	-261.81
SNB-LE32	-15.71	185.67	-1267.54	291.74	-472.27	71.64	-261.07
SNB-LF1P	0.02	0.65	-1143.35	1.06	-132.88	0.17	-127.65
SNB-LF11	27.41	1169.34	145.35	1083.47	2350.66	225.15	249.44
SNB-LF12	-27.28	-1171.85	143.15	-1084.48	2348.89	-225.50	249.05
SNB-LF2P	0.02	-1.06	132.88	-0.76	2761.67	-0.18	289.53
SNB-LF21	26.80	-1083.40	-2350.70	-940.16	-1042.51	-202.23	-339.09
SNB-LF22	-26.66	1084.41	-2348.93	941.40	-1041.01	202.45	-338.77
SNB-LG1P	0.04	0.72	-1120.10	1.16	345.55	0.19	-77.47
SNB-LG11	44.92	2368.80	330.89	2015.94	4435.57	438.21	476.34
SNB-LG12	-44.75	-2369.91	329.39	-2015.63	4434.42	-438.29	476.07
SNB-LG2P	0.04	-1.16	-345.55	-0.46	4267.44	-0.16	392.30
SNB-LG21	43.87	-2015.81	-4435.63	-1537.13	-1534.05	-355.06	-596.57
SNB-LG22	-43.70	2015.50	-4434.49	1537.78	-1533.19	355.10	-596.37
SNB-LH1P	0.06	0.42	-1980.58	0.82	925.59	0.12	-105.54
SNB-LH11	44.12	3331.13	593.81	3242.56	4394.48	656.93	498.48
SNB-LH12	-43.97	-3331.75	592.91	-3242.15	4393.78	-656.95	498.31
SNB-LH2P	0.06	-0.82	-925.59	-0.36	2548.99	-0.12	162.41
SNB-LH21	41.65	-3242.42	-4394.61	-4544.41	-234.58	-778.13	-462.58
SNB-LH22	-41.50	3242.01	-4393.90	4544.95	-233.95	778.14	-462.44
SNB-LI1P	0.08	0.32	112.17	1.10	8738.28	0.14	885.30
SNB-LI11	17.46	6796.39	-964.48	11328.59	3219.07	1811.24	225.30
SNB-LI12	-17.29	-6796.94	-965.17	-11327.87	3218.46	-1811.22	225.17
SNB-LI2P	0.08	-1.10	-8738.28	-1.02	-2630.34	-0.21	-1137.31
SNB-LI21	11.74	-11328.51	-3219.35	-13669.68	6342.67	-2498.12	312.12
SNB-LI22	-11.57	11327.80	-3218.74	13669.97	6342.80	2498.08	312.20
SNB-H1aP	-6.59	24.95	35.30	118.26	-4.35	70.91	15.33
SNB-H1bP	-6.59	-118.26	4.35	-6.67	21.68	-61.86	12.89
SNB-H1cP	-2.14	41.15	-23.09	95.97	0.43	67.89	-11.22
SNB-H1dP	-2.14	-95.97	-0.43	-34.93	22.32	-64.81	10.84
SNB-H1eP	10.46	16.06	-21.22	112.13	-5.51	63.47	-13.24
SNB-H1fP	10.46	-112.13	5.51	-27.78	-35.10	-69.28	-14.65
SNB-H2aP	-8.17	148.50	28.37	111.23	-0.32	96.13	10.39
SNB-H2bP	-8.17	-111.23	0.32	12.27	9.90	-36.63	3.78
SNB-H2cP	0.91	84.00	-16.30	95.16	3.83	66.31	-4.62
SNB-H2dP	0.91	-95.16	-3.83	-84.32	16.29	-66.43	4.61
SNB-H2eP	7.06	-16.10	-9.99	113.42	-1.81	36.02	-4.37
SNB-H2fP	7.06	-113.42	1.81	-147.90	-28.34	-96.72	-9.82
SNB-H3aP	-4.64	243.06	17.20	179.52	-9.11	124.91	2.39
SNB-H3bP	-4.64	-179.52	9.11	-29.42	5.78	-61.76	4.40
SNB-H3cP	-0.20	146.96	-8.89	169.06	20.25	93.41	3.36
SNB-H3dP	-0.20	-169.06	-20.25	-148.08	8.93	-93.74	-3.34
SNB-H3eP	4.82	30.74	-5.68	179.09	-8.76	62.02	-4.27
SNB-H3fP	4.82	-179.09	8.76	-242.62	-17.34	-124.65	-2.54
SNB-H4aP	-5.98	364.70	6.44	356.55	-10.05	177.45	-0.89
SNB-H4bP	-5.97	-356.55	10.05	-203.61	-2.08	-137.82	1.96
SNB-H4cP	0.02	298.90	-4.27	344.41	23.97	158.28	4.85
SNB-H4dP	0.01	-344.41	-23.97	-298.59	4.25	-158.20	-4.85
SNB-H4eP	5.92	203.44	2.08	356.63	-9.91	137.80	-1.93
SNB-H4fP	5.93	-356.63	9.92	-364.74	-6.47	-177.48	0.85
SNB-H5aP	-8.94	644.75	9.63	493.52	-21.19	239.89	-2.43
SNB-H5bP	-8.94	-493.52	21.18	-134.88	-4.34	-132.44	3.55
SNB-H5cP	0.07	411.81	-7.65	475.50	48.40	187.01	8.59
SNB-H5dP	0.06	-475.50	-48.40	-411.46	7.62	-186.94	-8.59
SNB-H5eP	8.82	134.61	4.34	493.70	-21.19	132.42	-3.55
SNB-H5fP	8.83	-493.70	21.19	-644.66	-9.66	-239.91	2.43
SNB-H6aP	-34.58	739.36	0.82	737.90	-16.98	272.25	-2.97
SNB-H6bP	-34.57	-737.90	16.96	-400.12	-11.66	-209.73	0.97
SNB-H6cP	0.02	650.48	-5.60	662.91	39.92	242.05	6.33
SNB-H6dP	-0.00	-662.91	-39.92	-650.14	5.57	-241.99	-6.33
SNB-H6eP	34.52	399.97	11.64	737.93	-17.14	209.70	-1.03

SNB-H6fP	34.53	-737.93	17.17	-739.38	-0.75	-272.26	3.04
SNB-H7aP	-31.77	966.11	-8.89	1080.32	-21.58	335.07	-4.97
SNB-H7bP	-31.76	-1080.32	21.55	-839.99	-15.16	-314.42	1.03
SNB-H7cP	0.01	981.14	-5.81	1015.38	42.95	326.91	6.08
SNB-H7dP	-0.02	-1015.38	-42.95	-981.04	5.79	-326.89	-6.08
SNB-H7eP	31.73	839.98	15.14	1080.33	-21.59	314.42	-1.07
SNB-H7fP	31.75	-1080.33	21.62	-966.08	8.88	-335.07	5.01
SNB-H8aP	-9.45	1325.79	-6.88	1302.79	-19.07	387.24	-3.82
SNB-H8bP	-9.43	-1302.79	19.06	-1090.27	-11.00	-352.55	1.18
SNB-H8cP	0.02	1241.11	8.63	1293.38	50.75	373.39	8.75
SNB-H8dP	-0.02	-1293.38	-50.75	-1241.09	-8.63	-373.39	-8.75
SNB-H8eP	9.41	1090.30	11.01	1302.80	-19.05	352.55	-1.19
SNB-H8fP	9.43	-1302.80	19.06	-1325.75	6.86	-387.24	3.83
SNB-H9aP	-21.19	1548.67	37.80	1394.62	23.38	394.04	8.21
SNB-H9bP	-21.17	-1394.62	-23.41	-1394.88	-44.05	-373.45	-9.05
SNB-H9cP	0.02	1537.16	67.49	1364.69	102.42	388.50	22.75
SNB-H9dP	-0.04	-1364.69	-102.42	-1537.18	-67.51	-388.51	-22.75
SNB-H9eP	21.15	1394.93	44.03	1394.62	23.42	373.45	9.01
SNB-H9fP	21.17	-1394.62	-23.39	-1548.63	-37.83	-394.03	-8.18

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

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

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	0.6089	1.06	-0.108	-0.5692	0.3327	0.0375	4.942	1.06	179.9
RohnBP	0.4923	0.8585	-0.1024	-0.5812	0.3293	0.0255	5.613	0.8585	159.9
RohnCP	0.3799	0.6637	-0.09478	-0.5223	0.3089	0.0106	6.289	0.6637	139.9
RohnDP	0.2778	0.4862	-0.08437	-0.4636	0.2726	0.0018	6.973	0.4862	119.9
RohnEP	0.1912	0.3371	-0.07237	-0.3821	0.2159	-0.0028	7.672	0.3371	99.93
RohnFP	0.1215	0.216	-0.05975	-0.3172	0.1720	-0.0045	8.389	0.216	79.94
RohnGP	0.06726	0.1228	-0.04586	-0.2285	0.1300	-0.0037	9.122	0.1228	59.95
RohnHP	0.02837	0.05546	-0.03167	-0.1566	0.0906	-0.0031	9.869	0.05546	39.97
RohnIP	0.004939	0.01492	-0.01584	-0.0792	0.0596	-0.0022	10.63	0.01492	19.98
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.6097	1.056	-0.0936	-0.5777	0.3280	0.0004	2.943	1.056	179.9
SNB-BP	0.4932	0.8551	-0.0885	-0.5694	0.3239	0.0002	3.614	0.8551	159.9
SNB-CP	0.3807	0.6612	-0.08229	-0.5337	0.3033	-0.0012	4.289	0.6612	139.9
SNB-DP	0.2786	0.4851	-0.07426	-0.4695	0.2607	-0.0019	4.974	0.4851	119.9
SNB-EP	0.192	0.3358	-0.06357	-0.3760	0.2103	-0.0021	5.673	0.3358	99.94
SNB-FP	0.1223	0.2157	-0.05357	-0.3148	0.1667	-0.0020	6.39	0.2157	79.95
SNB-GP	0.06804	0.1223	-0.04167	-0.2325	0.1168	-0.0027	7.123	0.1223	59.96
SNB-HP	0.02915	0.05546	-0.02908	-0.1562	0.0808	-0.0027	7.87	0.05546	39.97
SNB-IP	0.00572	0.01474	-0.01468	-0.0797	0.0510	-0.0026	8.634	0.01474	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.6145	1.056	-0.03342	-0.5774	0.3390	0.0387	-1.552	-2.696	180
RohnA2	0.6089	1.053	-0.1079	-0.5794	0.3399	0.0393	-1.558	4.806	179.9
RohnB1	0.4983	0.8556	-0.01653	-0.5652	0.3314	0.0305	-2.062	-3.579	160
RohnB2	0.4926	0.8517	-0.1023	-0.5708	0.3349	0.0356	-2.068	5.287	159.9
RohnC1	0.3855	0.6626	-0.003144	-0.5318	0.3103	0.0198	-2.569	-4.455	140
RohnC2	0.3819	0.6584	-0.09468	-0.5248	0.2948	0.0289	-2.573	5.776	139.9
RohnD1	0.2834	0.4868	0.005075	-0.4654	0.2736	0.0127	-3.064	-5.311	120
RohnD2	0.2797	0.4817	-0.08427	-0.4631	0.2653	0.0237	-3.068	6.28	119.9
RohnE1	0.1969	0.338	0.009458	-0.3796	0.2178	0.0079	-3.544	-6.141	100
RohnE2	0.1942	0.3326	-0.07229	-0.3796	0.2211	0.0185	-3.546	6.811	99.93
RohnF1	0.1273	0.2182	0.01168	-0.3004	0.1750	0.0051	-4.007	-6.942	80.01
RohnF2	0.1247	0.2121	-0.05969	-0.3061	0.1871	0.0146	-4.009	7.372	79.94
RohnG1	0.07326	0.1253	0.01102	-0.2248	0.1310	0.0034	-4.454	-7.717	60.01
RohnG2	0.07148	0.1188	-0.04582	-0.2258	0.1315	0.0105	-4.456	7.961	59.95
RohnH1	0.03453	0.05882	0.009268	-0.1504	0.0878	0.0020	-4.886	-8.464	40.01
RohnH2	0.03305	0.0518	-0.03164	-0.1559	0.0890	0.0071	-4.887	8.574	39.97
RohnI1	0.01081	0.01823	0.004489	-0.0517	0.0307	0.0006	-5.304	-9.188	20
RohnI2	0.01003	0.01149	-0.01583	-0.0905	0.0376	0.0035	-5.305	9.217	19.98
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	0.6112	1.057	-0.05291	-0.5819	0.3369	0.0002	-0.5553	-0.9633	179.9
SNB-A2	0.6111	1.055	-0.09358	-0.5731	0.3373	-0.0001	-0.5554	3.076	179.9
SNB-B1	0.4951	0.8564	-0.03545	-0.5677	0.3282	0.0001	-1.065	-1.846	160
SNB-B2	0.495	0.8541	-0.08845	-0.5645	0.3320	0.0002	-1.066	3.557	159.9
SNB-C1	0.3832	0.6629	-0.02021	-0.5351	0.3094	0.0002	-1.571	-2.722	140
SNB-C2	0.3829	0.66	-0.08224	-0.5290	0.3113	0.0015	-1.571	4.044	139.9
SNB-D1	0.2815	0.487	-0.008846	-0.4733	0.2737	0.0001	-2.066	-3.579	120
SNB-D2	0.2812	0.4835	-0.07421	-0.4602	0.2769	0.0021	-2.066	4.549	119.9
SNB-E1	0.1953	0.338	-0.002988	-0.3784	0.2188	0.0001	-2.545	-4.409	100
SNB-E2	0.1951	0.334	-0.06353	-0.3699	0.2209	0.0022	-2.545	5.081	99.94
SNB-F1	0.126	0.2181	0.003134	-0.3099	0.1791	0.0000	-3.008	-5.21	80
SNB-F2	0.1258	0.2136	-0.05354	-0.3016	0.1895	0.0021	-3.008	5.642	79.95
SNB-G1	0.07222	0.125	0.005362	-0.2291	0.1324	0.0000	-3.455	-5.985	60.01
SNB-G2	0.072	0.1201	-0.04165	-0.2173	0.1431	0.0027	-3.456	6.23	59.96
SNB-H1	0.03373	0.05838	0.005944	-0.1585	0.0916	0.0000	-3.887	-6.732	40.01
SNB-H2	0.03348	0.05296	-0.02907	-0.1480	0.0950	0.0027	-3.887	6.843	39.97
SNB-I1	0.01021	0.01767	0.003164	-0.0605	0.0350	0.0000	-4.304	-7.454	20

SNB-I2	0.009906	0.01232	-0.01467	-0.0840	0.0436	0.0026	-4.304	7.484	19.99	
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0	
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0	
RohnAaS	0.5797	1.01	-0.1068	-0.5823	0.3369	0.0341	5.11	1.01	174.9	
RohnAbS	0.5503	0.9583	-0.1055	-0.5862	0.3351	0.0311	5.277	0.9583	169.9	
RohnAcS	0.5213	0.9081	-0.104	-0.5678	0.3323	0.0289	5.445	0.9081	164.9	
RohnBaS	0.4637	0.808	-0.1008	-0.5592	0.3275	0.0220	5.782	0.808	154.9	
RohnBbS	0.4352	0.76	-0.09899	-0.5693	0.3234	0.0174	5.95	0.76	149.9	
RohnBcS	0.4073	0.7094	-0.09697	-0.5559	0.3170	0.0137	6.119	0.7094	144.9	
RohnCaS	0.3446	0.6017	-0.09176	-0.5325	0.2970	0.0067	6.515	0.6017	133.2	
RohnCbS	0.3105	0.5416	-0.08827	-0.4955	0.2869	0.0043	6.744	0.5416	126.6	
RohnDaS	0.2473	0.4331	-0.08072	-0.4494	0.2525	-0.0001	7.204	0.4331	113.3	
RohnDbS	0.2183	0.3826	-0.07668	-0.4109	0.2421	-0.0014	7.438	0.3826	106.6	
RohnEaS	0.1667	0.2935	-0.06837	-0.3617	0.2039	-0.0034	7.91	0.2935	93.27	
RohnEbS	0.1433	0.2533	-0.06415	-0.3294	0.1949	-0.0037	8.149	0.2533	86.6	
RohnFaS	0.09323	0.1637	-0.05301	-0.2644	0.1551	-0.0038	8.755	0.1637	69.95	
RohnGaS	0.04675	0.08411	-0.03893	-0.1930	0.1095	-0.0034	9.495	0.08411	49.96	
RohnHaS	0.01517	0.02974	-0.02394	-0.1153	0.0605	-0.0025	10.25	0.02974	29.98	
RohnIaS	-0.002793	0.002599	-0.008298	-0.0443	0.0038	-0.0013	11.02	0.002599	9.992	
SNB-AaS	0.5806	1.006	-0.09242	-0.5795	0.3371	0.0001	3.111	1.006	174.9	
SNB-AbS	0.5511	0.9551	-0.09121	-0.5797	0.3337	0.0000	3.278	0.9551	169.9	
SNB-AcS	0.5221	0.9048	-0.0899	-0.5724	0.3329	0.0001	3.446	0.9048	164.9	
SNB-BaS	0.4646	0.8054	-0.08708	-0.5662	0.3281	-0.0004	3.782	0.8054	154.9	
SNB-BbS	0.4361	0.7565	-0.08559	-0.5576	0.3221	-0.0008	3.951	0.7565	149.9	
SNB-BcS	0.4082	0.7082	-0.08398	-0.5460	0.3180	-0.0011	4.119	0.7082	144.9	
SNB-CaS	0.3454	0.5995	-0.07984	-0.5243	0.2976	-0.0019	4.516	0.5995	133.3	
SNB-CbS	0.3113	0.5402	-0.07713	-0.4889	0.2898	-0.0017	4.744	0.5402	126.6	
SNB-DaS	0.2481	0.4309	-0.07097	-0.4540	0.2553	-0.0026	5.205	0.4309	113.3	
SNB-DbS	0.2191	0.3807	-0.06738	-0.4054	0.2428	-0.0021	5.438	0.3807	106.6	
SNB-EaS	0.1675	0.2925	-0.06045	-0.3628	0.2053	-0.0024	5.911	0.2925	93.28	
SNB-EbS	0.1441	0.2523	-0.05709	-0.3259	0.1963	-0.0018	6.15	0.2523	86.6	
SNB-FaS	0.09402	0.1625	-0.04779	-0.2645	0.1601	-0.0021	6.756	0.1625	69.95	
SNB-GaS	0.04753	0.08309	-0.03555	-0.1903	0.1155	-0.0026	7.496	0.08309	49.96	
SNB-HaS	0.01595	0.02885	-0.02211	-0.1160	0.0653	-0.0026	8.25	0.02885	29.98	
SNB-IaS	-0.002012	0.001916	-0.007886	-0.0434	0.0095	-0.0014	9.019	0.001916	9.992	
SNB-WL-A1S	0.6105	1.057	-0.07339	-0.5794	0.3317	0.0026	1.194	0.04647	179.9	
SNB-WL-A2S	0.6112	1.056	-0.07337	-0.5766	0.3370	-0.0023	-0.5553	1.056	179.9	
SNB-WL-A3S	0.6104	1.056	-0.09373	-0.5753	0.3329	0.0001	1.194	2.066	179.9	
SNB-WL-B1S	0.4941	0.8558	-0.06212	-0.5653	0.3205	0.0026	1.274	-0.4956	159.9	
SNB-WL-B2S	0.4951	0.8553	-0.0621	-0.5597	0.3301	-0.0023	-1.065	0.8553	159.9	
SNB-WL-B3S	0.4941	0.8546	-0.0887	-0.5670	0.3278	0.0002	1.274	2.206	159.9	
SNB-WL-C1S	0.3819	0.6621	-0.05165	-0.5293	0.2976	0.0018	1.359	-1.03	139.9	
SNB-WL-C2S	0.3831	0.6614	-0.05163	-0.5220	0.3103	-0.0015	-1.571	0.6614	139.9	
SNB-WL-C3S	0.3819	0.6607	-0.08272	-0.5314	0.3073	0.0001	1.359	2.353	139.9	
SNB-WL-D1S	0.28	0.4861	-0.04269	-0.4669	0.2593	0.0015	1.454	-1.547	120	
SNB-WL-D2S	0.2814	0.4852	-0.04266	-0.4577	0.2753	-0.0012	-2.066	0.4852	120	
SNB-WL-D3S	0.2799	0.4844	-0.07546	-0.4649	0.2688	0.0001	1.454	2.517	119.9	
SNB-WL-E1S	0.1936	0.3369	-0.03413	-0.3708	0.2034	0.0005	1.564	-2.036	99.97	
SNB-WL-E2S	0.1953	0.336	-0.03411	-0.3613	0.2198	-0.0004	-2.545	0.336	99.97	
SNB-WL-E3S	0.1936	0.335	-0.06447	-0.3730	0.2156	0.0001	1.564	2.708	99.94	
SNB-WL-F1S	0.1241	0.2169	-0.02671	-0.3074	0.1644	0.0004	1.691	-2.497	79.97	
SNB-WL-F2S	0.126	0.2159	-0.0267	-0.2959	0.1843	-0.0003	-3.008	0.2159	79.97	
SNB-WL-F3S	0.1241	0.2148	-0.05547	-0.3082	0.1781	0.0000	1.691	2.929	79.94	
SNB-WL-G1S	0.07009	0.1237	-0.02096	-0.2288	0.1211	0.0000	1.834	-2.931	59.98	
SNB-WL-G2S	0.0722	0.1225	-0.02094	-0.2192	0.1377	0.0001	-3.455	0.1225	59.98	
SNB-WL-G3S	0.0701	0.1213	-0.04494	-0.2249	0.1299	0.0000	1.834	3.176	59.96	
SNB-WL-H1S	0.03138	0.05702	-0.01576	-0.1533	0.0791	-0.0005	1.992	-3.338	39.98	
SNB-WL-H2S	0.03372	0.05567	-0.01576	-0.1451	0.0933	0.0005	-3.887	0.05567	39.98	
SNB-WL-H3S	0.03141	0.05438	-0.03342	-0.1521	0.0879	0.0000	1.992	3.45	39.97	
SNB-WL-I1S	0.007808	0.01649	-0.01036	-0.0673	0.0380	-0.0010	2.165	-3.72	19.99	
SNB-WL-I2S	0.01038	0.015	-0.01036	-0.0665	0.0393	0.0010	-4.304	0.015	19.99	
SNB-WL-I3S	0.007854	0.0136	-0.01971	-0.0818	0.0473	0.0000	2.165	3.75	19.98	
RohnAa1	0.5853	1.006	-0.02887	-0.5772	0.3347	0.0369	-1.68	-2.917	175	
RohnAa2	0.5793	1.002	-0.1066	-0.5807	0.3372	0.0384	-1.686	4.926	174.9	
RohnAb1	0.5564	0.9555	-0.02454	-0.5767	0.3351	0.0348	-1.807	-3.138	170	
RohnAb2	0.5501	0.9517	-0.1053	-0.5758	0.3332	0.0373	-1.813	5.045	169.9	

RohnAc1	0.5272	0.9053	-0.02042	-0.5730	0.3368	0.0325	-1.935	-3.359	165	
RohnAc2	0.5212	0.9017	-0.1039	-0.5706	0.3269	0.0362	-1.941	5.166	164.9	
RohnBa1	0.4696	0.8064	-0.01275	-0.5620	0.3309	0.0278	-2.189	-3.799	155	
RohnBa2	0.4637	0.8022	-0.1006	-0.5562	0.3134	0.0336	-2.195	5.408	154.9	
RohnBb1	0.4409	0.7576	-0.009206	-0.5549	0.3286	0.0250	-2.317	-4.019	150	
RohnBb2	0.4369	0.7539	-0.09886	-0.5590	0.3252	0.0328	-2.321	5.53	149.9	
RohnBc1	0.4128	0.7096	-0.005954	-0.5447	0.3196	0.0224	-2.443	-4.237	145	
RohnBc2	0.4075	0.7048	-0.09686	-0.5471	0.3178	0.0312	-2.448	5.652	144.9	
RohnCa1	0.35	0.6017	0.0004345	-0.5136	0.3006	0.0174	-2.735	-4.742	133.3	
RohnCa2	0.3462	0.5971	-0.09165	-0.5211	0.3113	0.0283	-2.739	5.941	133.2	
RohnCb1	0.3159	0.543	0.003218	-0.4944	0.2870	0.0152	-2.901	-5.028	126.7	
RohnCb2	0.3112	0.5376	-0.08816	-0.4949	0.2843	0.0260	-2.905	6.109	126.6	
RohnDa1	0.2527	0.4341	0.007267	-0.4397	0.2551	0.0112	-3.226	-5.591	113.3	
RohnDa2	0.249	0.4288	-0.08062	-0.4428	0.2618	0.0225	-3.229	6.454	113.3	
RohnDb1	0.2239	0.3844	0.008705	-0.4133	0.2416	0.0094	-3.386	-5.868	106.7	
RohnDb2	0.2199	0.3787	-0.07659	-0.4120	0.2332	0.0203	-3.39	6.631	106.6	
RohnEa1	0.1723	0.2956	0.01063	-0.3518	0.2058	0.0069	-3.699	-6.41	93.35	
RohnEa2	0.1688	0.2897	-0.06829	-0.3551	0.2098	0.0172	-3.703	6.995	93.27	
RohnEb1	0.149	0.2556	0.01138	-0.3345	0.1948	0.0060	-3.854	-6.678	86.67	
RohnEb2	0.1459	0.2495	-0.06409	-0.3321	0.1859	0.0156	-3.857	7.183	86.6	
RohnFa1	0.09871	0.1691	0.01184	-0.2672	0.1556	0.0042	-4.232	-7.332	70.01	
RohnFa2	0.09373	0.1616	-0.05297	-0.2654	0.1500	0.0123	-4.237	7.663	69.95	
RohnGa1	0.05245	0.08956	0.01051	-0.1911	0.1115	0.0027	-4.672	-8.093	50.01	
RohnGa2	0.04844	0.08189	-0.0389	-0.1904	0.1111	0.0088	-4.676	8.264	49.96	
RohnHa1	0.02126	0.03608	0.007193	-0.1228	0.0718	0.0013	-5.096	-8.828	30.01	
RohnHa2	0.01756	0.02764	-0.02392	-0.1093	0.0685	0.0051	-5.1	8.892	29.98	
RohnIa1	0.006211	0.01052	0.002187	-0.0644	0.0382	0.0003	-5.506	-9.537	10	
RohnIa2	0.003444	-0.001238	-0.008294	-0.0245	0.0349	0.0019	-5.509	9.547	9.992	
SNB-Aa1	0.582	1.007	-0.04834	-0.5772	0.3334	0.0002	-0.683	-1.184	175	
SNB-Aa2	0.5819	1.005	-0.09239	-0.5810	0.3338	0.0001	-0.6831	3.196	174.9	
SNB-Ab1	0.553	0.9565	-0.04388	-0.5776	0.3341	0.0002	-0.8105	-1.405	170	
SNB-Ab2	0.5527	0.9542	-0.09117	-0.5776	0.3365	0.0003	-0.8108	3.316	169.9	
SNB-Ac1	0.5239	0.9062	-0.03957	-0.5752	0.3330	0.0002	-0.9381	-1.626	165	
SNB-Ac2	0.5235	0.904	-0.08985	-0.5747	0.3301	0.0002	-0.9385	3.436	164.9	
SNB-Ba1	0.4666	0.8071	-0.03134	-0.5645	0.3266	0.0001	-1.192	-2.066	155	
SNB-Ba2	0.4661	0.8045	-0.08703	-0.5667	0.3273	0.0008	-1.193	3.678	154.9	
SNB-Bb1	0.4383	0.7582	-0.02742	-0.5585	0.3231	0.0001	-1.319	-2.285	150	
SNB-Bb2	0.4379	0.7554	-0.08554	-0.5575	0.3225	0.0011	-1.319	3.799	149.9	
SNB-Bc1	0.4104	0.71	-0.02371	-0.5465	0.3160	0.0002	-1.445	-2.504	145	
SNB-Bc2	0.41	0.7071	-0.08393	-0.5479	0.3147	0.0014	-1.446	3.921	144.9	
SNB-Ca1	0.3479	0.6019	-0.01592	-0.5152	0.2979	0.0002	-1.737	-3.009	133.3	
SNB-Ca2	0.347	0.5985	-0.07979	-0.5196	0.3058	0.0022	-1.738	4.21	133.3	
SNB-Cb1	0.3139	0.5431	-0.01215	-0.4940	0.2856	0.0001	-1.903	-3.296	126.6	
SNB-Cb2	0.3127	0.5394	-0.07708	-0.4950	0.2792	0.0020	-1.904	4.378	126.6	
SNB-Da1	0.2509	0.4342	-0.00627	-0.4386	0.2536	0.0001	-2.227	-3.858	113.3	
SNB-Da2	0.2495	0.43	-0.07093	-0.4477	0.2661	0.0028	-2.229	4.723	113.3	
SNB-Db1	0.2222	0.3844	-0.00433	-0.4152	0.2400	0.0001	-2.387	-4.136	106.7	
SNB-Db2	0.2204	0.3799	-0.06734	-0.4127	0.2302	0.0022	-2.389	4.9	106.6	
SNB-Ea1	0.1708	0.2956	-0.0004814	-0.3540	0.2047	0.0001	-2.701	-4.678	93.34	
SNB-Ea2	0.1698	0.2912	-0.06041	-0.3590	0.2119	0.0025	-2.702	5.265	93.28	
SNB-Eb1	0.1476	0.2555	0.001538	-0.3332	0.1926	0.0001	-2.855	-4.946	86.66	
SNB-Eb2	0.1466	0.2508	-0.05706	-0.3327	0.1844	0.0019	-2.856	5.452	86.6	
SNB-Fa1	0.09754	0.1688	0.004682	-0.2650	0.1531	0.0000	-3.233	-5.6	70	
SNB-Fa2	0.09384	0.1626	-0.04777	-0.2707	0.1492	0.0021	-3.237	5.932	69.95	
SNB-Ga1	0.05153	0.08919	0.006045	-0.1891	0.1092	0.0000	-3.672	-6.361	50.01	
SNB-Ga2	0.04823	0.08268	-0.03553	-0.1951	0.1072	0.0026	-3.676	6.533	49.96	
SNB-Ha1	0.02056	0.03558	0.004928	-0.1194	0.0690	0.0000	-4.097	-7.096	30	
SNB-Ha2	0.01702	0.02823	-0.0221	-0.1145	0.0679	0.0026	-4.1	7.16	29.98	
SNB-Ia1	0.005719	0.009905	0.001572	-0.0600	0.0347	0.0000	-4.505	-7.803	10	
SNB-Ia2	0.002665	-0.0007855	-0.007883	-0.0298	0.0328	0.0014	-4.508	7.812	9.992	

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

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

RohnJP	-2.11	0.0	-1.55	0.0	150.50	0.0	0.0	150.52	0.0	0.06	0.0	4.0	0.0	-0.01	0.0	0.0
SNB-JP	-1.03	0.0	-3.16	0.0	179.31	0.0	0.0	179.34	0.0	-1.42	0.0	7.1	0.0	-0.07	0.0	0.0
RohnJ1	-13.11	0.0	-22.44	0.0	-240.47	0.0	0.0	241.87	0.0	8.02	0.0	-4.7	0.0	-0.01	0.0	0.0
RohnJ2	-0.07	0.0	-2.48	0.0	150.33	0.0	0.0	150.35	0.0	-3.50	0.0	-1.9	0.0	0.00	0.0	0.0
SNB-J1	-23.94	0.0	-41.48	0.0	-299.49	0.0	0.0	303.30	0.0	15.92	0.0	-9.2	0.0	-0.00	0.0	0.0
SNB-J2	-2.22	0.0	-2.47	0.0	179.18	0.0	0.0	179.21	0.0	-6.89	0.0	-2.3	0.0	0.07	0.0	0.0

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

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	0.6874	1.1905	-0.5163	-0.6874	-1.1905	0.5163	0.6089	1.0595	-0.1080
RohnBP	0.7325	1.2687	-0.6990	-0.7325	-1.2687	0.6990	0.4923	0.8585	-0.1024
RohnCP	0.5813	1.0069	-0.9164	-0.5813	-1.0069	0.9164	0.3799	0.6637	-0.0948
RohnDP	0.6679	1.1569	-1.5344	-0.6679	-1.1569	1.5344	0.2778	0.4862	-0.0844
RohnEP	0.2758	0.4776	-0.8607	-0.2758	-0.4776	0.8607	0.1912	0.3371	-0.0724
RohnFP	0.3499	0.6061	-1.1597	-0.3499	-0.6061	1.1597	0.1215	0.2160	-0.0597
RohnGP	0.3305	0.5724	-1.3973	-0.3305	-0.5724	1.3973	0.0673	0.1228	-0.0459
RohnHP	0.3120	0.5404	-1.5256	-0.3120	-0.5404	1.5256	0.0284	0.0555	-0.0317
RohnIP	0.3445	0.5967	-1.7796	-0.3445	-0.5967	1.7796	0.0049	0.0149	-0.0158
RohnJP	0.1827	0.3165	-0.9782	1.9322	1.2364	-149.5211	0.0000	0.0000	0.0000
SNB-AP	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1348	0.6097	1.0562	-0.0936
SNB-BP	0.1665	0.2884	-0.3242	-0.1665	-0.2884	0.3242	0.4932	0.8551	-0.0885
SNB-CP	0.2298	0.3980	-0.5084	-0.2298	-0.3980	0.5084	0.3807	0.6612	-0.0823
SNB-DP	0.2700	0.4677	-0.6945	-0.2700	-0.4677	0.6945	0.2786	0.4851	-0.0743
SNB-EP	0.2758	0.4776	-0.8607	-0.2758	-0.4776	0.8607	0.1920	0.3358	-0.0636
SNB-FP	0.3080	0.5335	-1.1382	-0.3080	-0.5335	1.1382	0.1223	0.2157	-0.0536
SNB-GP	0.3305	0.5724	-1.3973	-0.3305	-0.5724	1.3973	0.0680	0.1223	-0.0417
SNB-HP	0.3120	0.5404	-1.5256	-0.3120	-0.5404	1.5256	0.0292	0.0555	-0.0291
SNB-IP	0.3329	0.5765	-1.7596	-0.3329	-0.5765	1.7596	0.0057	0.0147	-0.0147
SNB-JP	0.1827	0.3165	-0.9782	0.8480	2.8477	-178.3342	0.0000	0.0000	0.0000
RohnA1	0.7770	1.3458	-0.5671	-0.7770	-1.3458	0.5671	0.6145	1.0563	-0.0334
RohnA2	0.9007	1.5601	-0.7492	-0.9007	-1.5601	0.7492	0.6089	1.0532	-0.1079
RohnB1	0.3131	0.5423	-0.4690	-0.3131	-0.5423	0.4690	0.4983	0.8556	-0.0165
RohnB2	0.3040	0.5265	-0.4090	-0.3040	-0.5265	0.4090	0.4926	0.8517	-0.1023
RohnC1	0.6094	1.0556	-1.0764	-0.6094	-1.0556	1.0764	0.3855	0.6626	-0.0031
RohnC2	0.7514	1.3015	-1.1654	-0.7514	-1.3015	1.1654	0.3819	0.6584	-0.0947
RohnD1	0.6679	1.1569	-1.5344	-0.6679	-1.1569	1.5344	0.2834	0.4868	0.0051
RohnD2	0.6679	1.1569	-1.5344	-0.6679	-1.1569	1.5344	0.2797	0.4817	-0.0843
RohnE1	0.2758	0.4776	-0.8607	-0.2758	-0.4776	0.8607	0.1969	0.3380	0.0095
RohnE2	0.2758	0.4776	-0.8607	-0.2758	-0.4776	0.8607	0.1942	0.3326	-0.0723
RohnF1	0.3978	0.6890	-1.2092	-0.3978	-0.6890	1.2092	0.1273	0.2182	0.0117
RohnF2	0.3499	0.6061	-1.1597	-0.3499	-0.6061	1.1597	0.1247	0.2121	-0.0597
RohnG1	0.3442	0.5963	-1.4173	-0.3442	-0.5963	1.4173	0.0733	0.1253	0.0110
RohnG2	0.3442	0.5963	-1.4173	-0.3442	-0.5963	1.4173	0.0715	0.1188	-0.0458
RohnH1	0.3120	0.5404	-1.5256	-0.3120	-0.5404	1.5256	0.0345	0.0588	0.0093
RohnH2	0.3120	0.5404	-1.5256	-0.3120	-0.5404	1.5256	0.0330	0.0518	-0.0316
RohnI1	0.3329	0.5765	-1.7596	-0.3329	-0.5765	1.7596	0.0108	0.0182	0.0045
RohnI2	0.3329	0.5765	-1.7596	-0.3329	-0.5765	1.7596	0.0100	0.0115	-0.0158
RohnJ1	0.1827	0.3165	-0.9782	12.9237	22.1229	241.4526	0.0000	0.0000	0.0000
RohnJ2	0.1827	0.3165	-0.9782	-0.1161	2.1597	-149.3496	0.0000	0.0000	0.0000
SNB-A1	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.6112	1.0572	-0.0529
SNB-A2	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1348	0.6111	1.0554	-0.0936
SNB-B1	0.1665	0.2884	-0.3242	-0.1665	-0.2884	0.3242	0.4951	0.8564	-0.0354
SNB-B2	0.1665	0.2884	-0.3242	-0.1665	-0.2884	0.3242	0.4950	0.8541	-0.0885
SNB-C1	0.2298	0.3980	-0.5084	-0.2298	-0.3980	0.5084	0.3832	0.6629	-0.0202
SNB-C2	0.2298	0.3980	-0.5084	-0.2298	-0.3980	0.5084	0.3829	0.6600	-0.0822
SNB-D1	0.2700	0.4677	-0.6945	-0.2700	-0.4677	0.6945	0.2815	0.4870	-0.0088
SNB-D2	0.2700	0.4677	-0.6945	-0.2700	-0.4677	0.6945	0.2812	0.4835	-0.0742
SNB-E1	0.2758	0.4776	-0.8607	-0.2758	-0.4776	0.8607	0.1953	0.3380	-0.0030
SNB-E2	0.2758	0.4776	-0.8607	-0.2758	-0.4776	0.8607	0.1951	0.3340	-0.0635
SNB-F1	0.3080	0.5335	-1.1382	-0.3080	-0.5335	1.1382	0.1260	0.2181	0.0031

SNB-F2	0.3080	0.5335	-1.1382	-0.3080	-0.5335	1.1382	0.1258	0.2136	-0.0535
SNB-G1	0.3305	0.5724	-1.3973	-0.3305	-0.5724	1.3973	0.0722	0.1250	0.0054
SNB-G2	0.3305	0.5724	-1.3973	-0.3305	-0.5724	1.3973	0.0720	0.1201	-0.0416
SNB-H1	0.3120	0.5404	-1.5256	-0.3120	-0.5404	1.5256	0.0337	0.0584	0.0059
SNB-H2	0.3120	0.5404	-1.5256	-0.3120	-0.5404	1.5256	0.0335	0.0530	-0.0291
SNB-I1	0.3329	0.5765	-1.7596	-0.3329	-0.5765	1.7596	0.0102	0.0177	0.0032
SNB-I2	0.3329	0.5765	-1.7596	-0.3329	-0.5765	1.7596	0.0099	0.0123	-0.0147
SNB-J1	0.1827	0.3165	-0.9782	23.7620	41.1592	300.4716	0.0000	0.0000	0.0000
SNB-J2	0.1827	0.3165	-0.9782	2.0356	2.1555	-178.1991	0.0000	0.0000	0.0000
RohnAaS	0.6205	1.0747	-0.3647	-0.6205	-1.0747	0.3647	0.5797	1.0096	-0.1068
RohnAbS	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5503	0.9583	-0.1055
RohnAcS	0.0797	0.1380	-0.1547	-0.0797	-0.1380	0.1547	0.5213	0.9081	-0.1040
RohnBaS	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4637	0.8080	-0.1008
RohnBbS	0.9254	1.6028	-1.1644	-0.9254	-1.6028	1.1644	0.4352	0.7600	-0.0990
RohnBcS	0.1226	0.2124	-0.2644	-0.1226	-0.2124	0.2644	0.4073	0.7094	-0.0970
RohnCaS	0.9838	1.7040	-1.0982	-0.9838	-1.7040	1.0982	0.3446	0.6017	-0.0918
RohnCbS	0.1747	0.3026	-0.4890	-0.1747	-0.3026	0.4890	0.3105	0.5416	-0.0883
RohnDaS	0.2007	0.3477	-0.6205	-0.2007	-0.3477	0.6205	0.2473	0.4331	-0.0807
RohnDbS	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.2183	0.3826	-0.0767
RohnEaS	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1667	0.2935	-0.0684
RohnEbS	0.1624	0.2813	-0.5601	-0.1624	-0.2813	0.5601	0.1433	0.2533	-0.0642
RohnFaS	0.1686	0.2920	-0.6531	-0.1686	-0.2920	0.6531	0.0932	0.1637	-0.0530
RohnGaS	0.1619	0.2804	-0.7442	-0.1619	-0.2804	0.7442	0.0467	0.0841	-0.0389
RohnHaS	0.1501	0.2600	-0.7814	-0.1501	-0.2600	0.7814	0.0152	0.0297	-0.0239
RohnIaS	0.1827	0.3165	-0.9782	-0.1827	-0.3165	0.9782	-0.0028	0.0026	-0.0083
SNB-AaS	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5806	1.0057	-0.0924
SNB-AbS	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5511	0.9551	-0.0912
SNB-AcS	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5221	0.9048	-0.0899
SNB-BaS	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4646	0.8054	-0.0871
SNB-BbS	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4361	0.7565	-0.0856
SNB-BcS	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4082	0.7082	-0.0840
SNB-CaS	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.3454	0.5995	-0.0798
SNB-CbS	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.3113	0.5402	-0.0771
SNB-DaS	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.2481	0.4309	-0.0710
SNB-DbS	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.2191	0.3807	-0.0674
SNB-EaS	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1675	0.2925	-0.0604
SNB-EbS	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1441	0.2523	-0.0571
SNB-FaS	0.1686	0.2920	-0.6531	-0.1686	-0.2920	0.6531	0.0940	0.1625	-0.0478
SNB-GaS	0.1619	0.2804	-0.7442	-0.1619	-0.2804	0.7442	0.0475	0.0831	-0.0355
SNB-HaS	0.1501	0.2600	-0.7814	-0.1501	-0.2600	0.7814	0.0159	0.0289	-0.0221
SNB-IaS	0.1827	0.3165	-0.9782	-0.1827	-0.3165	0.9782	-0.0020	0.0019	-0.0079
SNB-WL-A1S	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.6105	1.0567	-0.0734
SNB-WL-A2S	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.6112	1.0563	-0.0734
SNB-WL-A3S	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.6104	1.0558	-0.0937
SNB-WL-B1S	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.4941	0.8558	-0.0621
SNB-WL-B2S	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.4951	0.8553	-0.0621
SNB-WL-B3S	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.4941	0.8546	-0.0887
SNB-WL-C1S	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.3819	0.6621	-0.0517
SNB-WL-C2S	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.3831	0.6614	-0.0516
SNB-WL-C3S	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.3819	0.6607	-0.0827
SNB-WL-D1S	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.2800	0.4861	-0.0427
SNB-WL-D2S	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.2814	0.4852	-0.0427
SNB-WL-D3S	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.2799	0.4844	-0.0755
SNB-WL-E1S	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.1936	0.3369	-0.0341
SNB-WL-E2S	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.1953	0.3360	-0.0341
SNB-WL-E3S	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.1936	0.3350	-0.0645
SNB-WL-F1S	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1241	0.2169	-0.0267
SNB-WL-F2S	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1260	0.2159	-0.0267
SNB-WL-F3S	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1241	0.2148	-0.0555
SNB-WL-G1S	0.1686	0.2920	-0.6531	-0.1686	-0.2920	0.6531	0.0701	0.1237	-0.0210
SNB-WL-G2S	0.1686	0.2920	-0.6531	-0.1686	-0.2920	0.6531	0.0722	0.1225	-0.0209
SNB-WL-G3S	0.1686	0.2920	-0.6531	-0.1686	-0.2920	0.6531	0.0701	0.1213	-0.0449
SNB-WL-H1S	0.1619	0.2804	-0.7442	-0.1619	-0.2804	0.7442	0.0314	0.0570	-0.0158
SNB-WL-H2S	0.1619	0.2804	-0.7442	-0.1619	-0.2804	0.7442	0.0337	0.0557	-0.0158
SNB-WL-H3S	0.1619	0.2804	-0.7442	-0.1619	-0.2804	0.7442	0.0314	0.0544	-0.0334
SNB-WL-I1S	0.1501	0.2600	-0.7814	-0.1501	-0.2600	0.7814	0.0078	0.0165	-0.0104

SNB-WL-I2S	0.1501	0.2600	-0.7814	-0.1501	-0.2600	0.7814	0.0104	0.0150	-0.0104
SNB-WL-I3S	0.1501	0.2600	-0.7814	-0.1501	-0.2600	0.7814	0.0079	0.0136	-0.0197
RohnAa1	0.1928	0.3340	-0.2045	-0.1928	-0.3340	0.2045	0.5853	1.0059	-0.0289
RohnAa2	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5793	1.0024	-0.1066
RohnAb1	0.6085	1.0540	-0.3547	-0.6085	-1.0540	0.3547	0.5564	0.9555	-0.0245
RohnAb2	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5501	0.9517	-0.1053
RohnAc1	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5272	0.9053	-0.0204
RohnAc2	0.2272	0.3936	-0.2272	-0.2272	-0.3936	0.2272	0.5212	0.9017	-0.1039
RohnBa1	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4696	0.8064	-0.0127
RohnBa2	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4637	0.8022	-0.1006
RohnBb1	0.9026	1.5634	-1.1444	-0.9026	-1.5634	1.1444	0.4409	0.7576	-0.0092
RohnBb2	0.9026	1.5634	-1.1444	-0.9026	-1.5634	1.1444	0.4369	0.7539	-0.0989
RohnBc1	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4128	0.7096	-0.0060
RohnBc2	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4075	0.7048	-0.0969
RohnCa1	1.0080	1.7460	-1.1232	-1.0080	-1.7460	1.1232	0.3500	0.6017	0.0004
RohnCa2	1.0833	1.8764	-1.1712	-1.0833	-1.8764	1.1712	0.3462	0.5971	-0.0917
RohnCb1	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.3159	0.5430	0.0032
RohnCb2	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.3112	0.5376	-0.0882
RohnDa1	0.1627	0.2818	-0.5355	-0.1627	-0.2818	0.5355	0.2527	0.4341	0.0073
RohnDa2	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.2490	0.4288	-0.0806
RohnDb1	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.2239	0.3844	0.0087
RohnDb2	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.2199	0.3787	-0.0766
RohnEa1	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1723	0.2956	0.0106
RohnEa2	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1688	0.2897	-0.0683
RohnEb1	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1490	0.2556	0.0114
RohnEb2	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1459	0.2495	-0.0641
RohnFa1	0.1686	0.2920	-0.6531	-0.1686	-0.2920	0.6531	0.0987	0.1691	0.0118
RohnFa2	0.1686	0.2920	-0.6531	-0.1686	-0.2920	0.6531	0.0937	0.1616	-0.0530
RohnGa1	0.1619	0.2804	-0.7442	-0.1619	-0.2804	0.7442	0.0524	0.0896	0.0105
RohnGa2	0.1619	0.2804	-0.7442	-0.1619	-0.2804	0.7442	0.0484	0.0819	-0.0389
RohnHa1	0.1501	0.2600	-0.7814	-0.1501	-0.2600	0.7814	0.0213	0.0361	0.0072
RohnHa2	0.1501	0.2600	-0.7814	-0.1501	-0.2600	0.7814	0.0176	0.0276	-0.0239
RohnIa1	0.1827	0.3165	-0.9782	-0.1827	-0.3165	0.9782	0.0062	0.0105	0.0022
RohnIa2	0.1827	0.3165	-0.9782	-0.1827	-0.3165	0.9782	0.0034	-0.0012	-0.0083
SNB-Aa1	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5820	1.0067	-0.0483
SNB-Aa2	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5819	1.0049	-0.0924
SNB-Ab1	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5530	0.9565	-0.0439
SNB-Ab2	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5527	0.9542	-0.0912
SNB-Ac1	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5239	0.9062	-0.0396
SNB-Ac2	0.0705	0.1221	-0.1347	-0.0705	-0.1221	0.1347	0.5235	0.9040	-0.0899
SNB-Ba1	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4666	0.8071	-0.0313
SNB-Ba2	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4661	0.8045	-0.0870
SNB-Bb1	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4383	0.7582	-0.0274
SNB-Bb2	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4379	0.7554	-0.0855
SNB-Bc1	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4104	0.7100	-0.0237
SNB-Bc2	0.0960	0.1663	-0.1894	-0.0960	-0.1663	0.1894	0.4100	0.7071	-0.0839
SNB-Ca1	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.3479	0.6019	-0.0159
SNB-Ca2	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.3470	0.5985	-0.0798
SNB-Cb1	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.3139	0.5431	-0.0121
SNB-Cb2	0.1337	0.2317	-0.3190	-0.1337	-0.2317	0.3190	0.3127	0.5394	-0.0771
SNB-Da1	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.2509	0.4342	-0.0063
SNB-Da2	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.2495	0.4300	-0.0709
SNB-Db1	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.2222	0.3844	-0.0043
SNB-Db2	0.1363	0.2360	-0.3755	-0.1363	-0.2360	0.3755	0.2204	0.3799	-0.0673
SNB-Ea1	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1708	0.2956	-0.0005
SNB-Ea2	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1698	0.2912	-0.0604
SNB-Eb1	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1476	0.2555	0.0015
SNB-Eb2	0.1395	0.2416	-0.4851	-0.1395	-0.2416	0.4851	0.1466	0.2508	-0.0571
SNB-Fa1	0.1686	0.2920	-0.6531	-0.1686	-0.2920	0.6531	0.0975	0.1688	0.0047
SNB-Fa2	0.1686	0.2920	-0.6531	-0.1686	-0.2920	0.6531	0.0938	0.1626	-0.0478
SNB-Ga1	0.1619	0.2804	-0.7442	-0.1619	-0.2804	0.7442	0.0515	0.0892	0.0060
SNB-Ga2	0.1619	0.2804	-0.7442	-0.1619	-0.2804	0.7442	0.0482	0.0827	-0.0355
SNB-Ha1	0.1501	0.2600	-0.7814	-0.1501	-0.2600	0.7814	0.0206	0.0356	0.0049
SNB-Ha2	0.1501	0.2600	-0.7814	-0.1501	-0.2600	0.7814	0.0170	0.0282	-0.0221
SNB-Ia1	0.1827	0.3165	-0.9782	-0.1827	-0.3165	0.9782	0.0057	0.0099	0.0016
SNB-Ia2	0.1827	0.3165	-0.9782	-0.1827	-0.3165	0.9782	0.0027	-0.0008	-0.0079

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	5.77	-0.49	2.84	68.20	-19.33	13.54	-3.30
Rohn-LA11	4.09	-7.02	3.92	-8.26	25.62	-3.05	5.91
Rohn-LA12	1.66	-5.18	1.10	1.33	15.06	-0.77	3.23
Rohn-LA2P	5.77	-68.21	19.32	-47.56	28.74	-23.15	9.61
Rohn-LA21	4.09	8.25	-25.63	5.39	-27.82	2.73	-10.68
Rohn-LA22	1.66	-1.34	-15.06	-26.94	5.80	-5.65	-1.85
Rohn-LA3P	5.77	47.56	-28.74	-46.94	-14.09	0.12	-8.56
Rohn-LA31	4.09	-5.39	27.82	-24.61	18.67	-6.00	9.29
Rohn-LA32	1.66	26.93	-5.80	0.11	26.81	5.41	4.20
Rohn-LA4P	5.77	46.94	14.09	116.79	29.34	32.74	8.68
Rohn-LA41	4.09	24.61	-18.67	-16.06	8.85	1.71	-1.96
Rohn-LA42	1.66	-0.11	-26.81	1.07	-68.02	0.19	-18.96
Rohn-LB1P	13.63	-122.67	-23.04	-304.15	-7.66	-85.34	-6.13
Rohn-LB11	8.61	7.67	-2.02	-19.35	0.79	-2.34	-0.25
Rohn-LB12	3.61	-6.70	68.50	-128.13	247.32	-26.96	63.15
Rohn-LB2P	13.64	304.14	7.65	389.37	41.82	138.67	9.89
Rohn-LB21	8.61	19.35	-0.80	-39.69	18.23	-4.07	3.48
Rohn-LB22	3.60	128.12	-247.32	151.40	-345.09	55.89	-118.45
Rohn-LB3P	13.62	-389.37	-41.82	-499.39	11.14	-177.71	-6.13
Rohn-LB31	8.61	39.69	-18.23	-45.13	55.76	-1.09	7.50
Rohn-LB32	3.62	-151.41	345.09	-251.01	406.65	-80.47	150.31
Rohn-LB4P	13.65	499.39	-11.15	222.07	56.27	144.27	9.02
Rohn-LB41	8.61	45.13	-55.76	-63.03	20.73	-3.58	-7.00
Rohn-LB42	3.58	251.00	-406.66	66.14	-215.05	63.42	-124.32
Rohn-LC1P	13.64	-222.07	-56.26	-122.36	57.03	-51.71	0.12
Rohn-LC11	8.61	63.02	-20.73	-111.27	71.04	-7.24	7.55
Rohn-LC12	3.59	-66.15	215.05	-101.92	57.26	-25.23	40.88
Rohn-LC2P	13.65	122.36	-57.03	-229.61	39.34	-16.05	-2.65
Rohn-LC21	8.61	111.27	-71.04	-71.54	57.72	5.94	-1.99
Rohn-LC22	3.59	101.92	-57.27	-148.52	200.47	-6.98	21.44
Rohn-LC3P	13.67	229.61	-39.34	-74.53	97.70	23.28	8.76
Rohn-LC31	8.61	71.54	-57.72	-206.62	70.01	-20.26	1.84
Rohn-LC32	3.56	148.51	-200.48	-155.84	-18.07	-1.10	-32.81
Rohn-LD1P	13.66	74.53	-97.70	-206.61	47.53	-19.83	-7.53
Rohn-LD11	8.63	206.62	-70.01	-306.17	63.40	-14.93	-0.99
Rohn-LD12	3.58	155.83	18.07	-250.34	43.39	-14.19	9.23
Rohn-LD2P	13.69	206.61	-47.53	-558.18	27.57	-52.63	-2.98
Rohn-LD21	8.69	306.17	-63.40	-219.73	32.92	12.93	-4.56
Rohn-LD22	3.63	250.34	-43.39	-363.14	162.44	-16.89	17.82
Rohn-LD3P	13.81	558.18	-27.57	-16.16	161.16	81.39	20.06
Rohn-LD31	8.73	219.73	-32.92	-455.17	138.63	-35.31	15.86
Rohn-LD32	3.72	363.13	-162.44	-284.68	-75.01	11.78	-35.65
Rohn-LE1P	13.77	16.15	-161.16	-489.49	137.87	-71.07	-3.50
Rohn-LE11	8.80	455.17	-138.62	-234.95	161.03	33.04	3.36
Rohn-LE12	3.76	284.68	75.01	-325.54	355.89	-6.13	64.70
Rohn-LE2P	13.79	489.49	-137.86	-309.91	83.54	26.88	-8.13
Rohn-LE21	8.79	234.95	-161.03	-194.43	109.02	6.06	-7.78
Rohn-LE22	3.73	325.53	-355.89	-244.10	237.54	12.19	-17.72
Rohn-LE3P	13.83	309.91	-83.54	7.09	488.39	47.60	60.79
Rohn-LE31	8.79	194.43	-109.01	-655.98	384.35	-69.23	41.30
Rohn-LE32	3.70	244.10	-237.54	-405.18	-265.30	-24.19	-75.50
Rohn-LF1P	13.64	-7.09	-488.39	-1449.25	-28.43	-145.63	-51.68
Rohn-LF11	8.79	655.98	-384.35	-249.05	146.18	40.65	-23.79
Rohn-LF12	3.88	405.17	265.30	-705.37	1276.63	-30.02	154.19
Rohn-LF2P	14.01	1449.25	28.43	471.58	713.35	192.09	74.18
Rohn-LF21	8.79	249.05	-146.18	-909.34	524.34	-65.96	37.78
Rohn-LF22	3.52	705.33	-1276.65	-376.78	-769.86	32.86	-204.66
Rohn-LG1P	13.61	-471.58	-713.35	-1637.21	-39.07	-210.88	-75.24
Rohn-LG11	8.79	909.34	-524.33	-197.46	115.79	71.12	-40.81

Rohn-LG12	3.91	376.77	769.86	-787.72	1441.86	-41.09	221.17
Rohn-LG2P	14.00	1637.21	39.06	441.26	658.74	207.85	69.78
Rohn-LG21	8.79	197.46	-115.79	-1136.85	660.33	-93.84	54.40
Rohn-LG22	3.52	787.68	-1441.88	-345.55	-716.79	44.21	-215.87
Rohn-LH1P	13.51	-441.27	-658.75	-1795.12	331.56	-223.65	-32.72
Rohn-LH11	8.79	1136.86	-660.32	228.58	-134.01	136.39	-79.35
Rohn-LH12	4.01	345.54	716.79	-1185.56	1390.32	-84.00	210.72
Rohn-LH2P	13.69	1795.11	-331.57	609.50	-302.10	240.48	-63.37
Rohn-LH21	8.79	-228.58	134.01	-2561.44	1484.22	-278.68	161.64
Rohn-LH22	3.84	1185.52	-1390.35	566.95	-376.38	175.26	-176.69
Rohn-LI1P	13.58	-609.50	302.10	-3078.29	4248.72	-368.78	455.09
Rohn-LI11	8.79	2561.46	-1484.18	3461.05	-2020.75	601.62	-350.13
Rohn-LI12	3.94	-566.95	376.38	-5234.47	568.92	-580.14	94.53
Rohn-LI2P	12.70	3078.27	-4248.74	-54.56	-3983.47	302.38	-823.25
Rohn-LI21	8.78	-3461.04	2020.78	-8017.63	4725.47	-1146.66	673.92
Rohn-LI22	4.78	5234.46	-568.98	3501.36	1902.37	873.62	133.34
Rohn-H1P	0.26	2.97	-4.09	4.58	-3.88	1.01	-1.06
Rohn-H11	0.06	-4.59	-0.20	-4.92	-0.12	-1.27	-0.04
Rohn-H12	0.80	-0.81	-1.40	-0.63	-1.70	-0.19	-0.41
Rohn-H2P	-0.81	8.34	-4.71	7.45	-4.01	1.78	-0.98
Rohn-H21	0.19	-5.46	-0.58	-6.26	0.13	-1.32	-0.05
Rohn-H22	-0.34	-0.61	-1.95	0.79	-3.39	0.02	-0.60
SNB-LA1P	0.35	-11.26	47.79	1.22	-16.03	-2.01	6.35
SNB-LA11	0.08	21.37	-9.55	-11.94	15.04	1.89	1.10
SNB-LA12	-0.46	-60.12	-21.36	-4.77	3.42	-12.97	-3.59
SNB-LA2P	0.35	-1.22	16.03	0.27	39.82	-0.19	11.17
SNB-LA21	0.08	11.93	-15.03	15.13	-20.21	5.41	-7.05
SNB-LA22	-0.46	4.77	-3.42	-18.77	-22.55	-2.80	-5.19
SNB-LA3P	0.35	-0.27	-39.82	-51.11	-34.03	-10.27	-14.76
SNB-LA31	0.08	-15.13	20.21	-32.52	27.87	-9.53	9.61
SNB-LA32	-0.45	18.77	22.55	-1.78	67.05	3.40	17.91
SNB-LA4P	0.36	51.11	34.03	29.94	97.47	16.20	26.29
SNB-LA41	0.08	32.52	-27.87	-20.05	6.09	2.49	-4.35
SNB-LA42	-0.46	1.77	-67.05	-69.95	-80.34	-13.63	-29.47
SNB-LB1P	4.72	-89.65	92.80	-145.11	17.80	-46.94	22.11
SNB-LB11	-0.03	25.04	-9.55	-29.80	17.30	-0.95	1.55
SNB-LB12	-4.56	-119.74	39.89	-79.99	121.61	-39.93	32.29
SNB-LB2P	4.72	145.11	-17.80	-6.58	88.23	27.70	14.08
SNB-LB21	-0.03	29.80	-17.30	-75.89	45.58	-9.21	5.65
SNB-LB22	-4.56	79.99	-121.62	-81.54	-37.81	-0.31	-31.87
SNB-LB3P	4.71	6.58	-88.23	-196.41	-16.14	-37.96	-20.87
SNB-LB31	-0.04	75.89	-45.58	-136.39	78.06	-12.09	6.49
SNB-LB32	-4.55	81.53	37.81	-88.24	175.16	-1.34	42.58
SNB-LB4P	4.74	196.41	16.14	-19.83	274.73	35.31	58.16
SNB-LB41	-0.03	136.39	-78.05	-63.33	38.76	14.60	-7.85
SNB-LB42	-4.57	88.24	-175.16	-243.59	-115.73	-31.06	-58.16
SNB-LC1P	5.56	-39.72	55.07	-163.99	131.12	-30.58	27.95
SNB-LC11	0.05	125.39	-74.53	-136.84	77.05	-1.72	0.38
SNB-LC12	-5.42	-69.54	3.59	-193.51	75.51	-39.49	11.87
SNB-LC2P	5.54	163.98	-131.12	-301.44	-28.98	-20.57	-23.96
SNB-LC21	0.05	136.84	-77.04	-143.25	85.01	-0.96	1.19
SNB-LC22	-5.40	193.51	-75.51	-130.43	275.07	9.44	29.87
SNB-LC3P	5.61	301.43	28.98	45.98	413.19	52.16	66.38
SNB-LC31	0.05	143.25	-85.01	-128.90	72.31	2.15	-1.90
SNB-LC32	-5.47	130.43	-275.07	-328.87	-245.43	-29.79	-78.14
SNB-LD1P	9.94	-96.20	149.61	-415.99	262.23	-76.89	61.83
SNB-LD11	0.19	456.99	-261.62	-259.66	153.99	29.61	-16.15
SNB-LD12	-9.80	-183.22	7.42	-440.80	229.56	-93.68	35.57
SNB-LD2P	9.89	415.99	-262.24	-583.21	-5.73	-25.03	-40.11
SNB-LD21	0.19	259.66	-153.99	-222.04	126.04	5.63	-4.18
SNB-LD22	-9.74	440.80	-229.56	-281.53	508.74	23.84	41.79
SNB-LD3P	10.04	583.21	5.73	-23.30	678.54	84.07	102.74
SNB-LD31	0.19	222.04	-126.04	-537.25	313.41	-47.29	28.11
SNB-LD32	-9.89	281.52	-508.74	-601.52	-318.37	-48.04	-124.18
SNB-LE1P	16.06	-112.61	206.99	-800.75	464.68	-137.11	100.83
SNB-LE11	0.12	792.13	-460.45	-479.99	276.65	46.83	-27.58

SNB-LE12	-15.73	-233.54	-7.60	-800.39	461.51	-155.22	68.14
SNB-LE2P	15.99	800.74	-464.68	-1120.61	6.05	-47.88	-68.64
SNB-LE21	0.13	479.99	-276.65	-601.54	349.69	-18.18	10.93
SNB-LE22	-15.66	800.38	-461.52	-568.28	968.07	34.74	75.82
SNB-LE3P	16.24	1120.60	-6.05	541.68	1538.30	249.56	230.04
SNB-LE31	0.12	601.54	-349.69	-613.54	353.83	-1.80	0.62
SNB-LE32	-15.91	568.27	-968.07	-1057.32	-1237.86	-73.42	-331.18
SNB-LF1P	25.56	-688.36	-403.42	-2432.99	-173.47	-312.10	-57.68
SNB-LF11	0.15	1335.02	-770.60	-227.48	133.78	110.66	-63.63
SNB-LF12	-25.33	1.68	796.96	-1069.05	2194.63	-106.73	299.12
SNB-LF2P	26.35	2432.99	173.45	1322.07	1678.31	375.48	185.16
SNB-LF21	0.15	227.48	-133.78	-1018.72	587.65	-79.05	45.35
SNB-LF22	-26.12	1069.00	-2194.64	-788.56	-1983.96	28.05	-417.83
SNB-LG1P	41.97	-1414.23	-54.32	-4556.43	42.24	-597.01	-1.20
SNB-LG11	0.21	2388.70	-1379.26	-595.13	347.06	179.20	-103.13
SNB-LG12	-41.69	-663.78	1250.88	-2318.09	3926.08	-298.17	517.64
SNB-LG2P	42.90	4556.41	-42.28	2018.58	2546.28	657.47	250.38
SNB-LG21	0.21	595.13	-347.06	-1686.80	973.66	-109.07	62.60
SNB-LG22	-42.62	2318.01	-3926.12	-1192.15	-3021.45	112.59	-694.72
SNB-LH1P	40.85	-2094.01	-355.71	-5090.84	799.66	-718.46	44.41
SNB-LH11	0.19	3379.78	-1951.88	470.41	-269.49	384.64	-221.92
SNB-LH12	-40.55	-742.20	1990.60	-3239.93	4009.81	-398.21	600.02
SNB-LH2P	41.37	5090.83	-799.70	2384.13	267.25	747.50	-53.25
SNB-LH21	0.19	-470.41	269.48	-4863.68	2809.74	-532.86	307.60
SNB-LH22	-41.07	3239.85	-4009.87	962.83	-2198.08	420.28	-620.80
SNB-LI1P	17.70	-2464.28	2351.19	-7884.73	8538.18	-1034.83	1088.87
SNB-LI11	0.19	7050.07	-4072.90	6976.51	-4028.42	1401.30	-809.35
SNB-LI12	-17.27	-3270.13	957.26	-11337.37	2558.63	-1460.65	351.56
SNB-LI2P	16.10	7884.71	-8538.19	1421.12	-7129.50	930.59	-1566.78
SNB-LI21	0.19	-6976.49	4028.45	-15919.24	9197.85	-2287.34	1321.34
SNB-LI22	-15.67	11337.34	-2558.78	6885.86	2333.90	1822.33	-22.48
SNB-H1aP	-2.51	39.77	-28.50	109.14	10.49	73.73	-8.92
SNB-H1bP	-2.51	-109.14	-10.51	-10.80	-51.22	-59.38	-30.57
SNB-H1cP	1.44	13.80	51.04	105.22	8.54	58.93	29.50
SNB-H1dP	1.44	-105.22	-8.52	-44.56	28.14	-74.16	9.72
SNB-H1eP	2.07	27.51	-27.22	111.62	-23.77	68.88	-25.25
SNB-H1fP	2.07	-111.62	23.77	-18.04	27.69	-64.20	25.48
SNB-H2aP	-9.07	163.46	-23.40	99.01	7.41	97.14	-5.92
SNB-H2bP	-9.07	-99.01	-7.43	1.77	-38.74	-35.99	-17.09
SNB-H2cP	9.52	-1.98	38.88	100.18	8.11	36.35	17.39
SNB-H2dP	9.52	-100.18	-8.10	-161.34	23.45	-96.80	5.68
SNB-H2eP	-0.55	57.47	-16.99	120.51	-17.47	65.88	-12.75
SNB-H2fP	-0.55	-120.51	17.47	-61.14	16.69	-67.24	12.64
SNB-H3aP	-3.63	247.59	-15.53	173.84	15.20	124.57	-0.10
SNB-H3bP	-3.63	-173.84	-15.21	-39.04	-31.66	-62.92	-13.86
SNB-H3cP	3.74	39.42	31.58	174.19	14.96	63.14	13.75
SNB-H3dP	3.74	-174.19	-14.95	-246.50	15.62	-124.35	0.20
SNB-H3eP	-0.18	133.60	-12.41	181.86	-26.67	93.24	-11.55
SNB-H3fP	-0.18	-181.86	26.67	-135.21	12.35	-93.72	11.53
SNB-H4aP	-5.23	371.95	-13.74	349.95	15.23	177.62	0.37
SNB-H4bP	-5.23	-349.95	-15.24	-215.50	-26.07	-139.12	-10.17
SNB-H4cP	5.13	215.91	25.92	349.82	14.92	139.19	10.05
SNB-H4dP	5.13	-349.82	-14.91	-371.72	13.77	-177.53	-0.28
SNB-H4eP	0.02	280.71	-7.43	360.26	-25.53	157.70	-8.11
SNB-H4fP	0.03	-360.26	25.53	-280.94	7.40	-157.76	8.10
SNB-H5aP	-7.72	642.40	-19.75	483.20	27.65	237.23	1.67
SNB-H5bP	-7.72	-483.20	-27.66	-165.37	-35.01	-136.69	-13.21
SNB-H5cP	7.58	165.57	35.07	483.07	27.89	136.71	13.27
SNB-H5dP	7.57	-483.07	-27.87	-642.48	19.68	-237.22	-1.72
SNB-H5eP	0.02	385.07	-8.42	498.42	-48.83	186.20	-12.07
SNB-H5fP	0.02	-498.42	48.83	-384.58	8.30	-186.09	12.04
SNB-H6aP	-32.38	782.67	-17.46	690.39	21.62	271.48	0.78
SNB-H6bP	-32.39	-690.39	-21.64	-462.26	-26.65	-212.43	-8.91
SNB-H6cP	32.33	462.48	26.62	690.39	21.56	212.47	8.87
SNB-H6dP	32.32	-690.39	-21.54	-782.41	17.53	-271.43	-0.73
SNB-H6eP	-0.04	546.39	-2.02	760.04	-36.99	240.76	-7.19

SNB-H6fP	-0.03	-760.04	36.99	-546.45	2.05	-240.77	7.19
SNB-H7aP	-29.72	1011.87	-19.04	1039.29	19.85	335.85	0.15
SNB-H7bP	-29.74	-1039.29	-19.88	-896.34	-19.19	-316.93	-6.41
SNB-H7cP	29.68	896.37	19.13	1039.27	19.85	316.93	6.37
SNB-H7dP	29.67	-1039.27	-19.82	-1011.88	19.02	-335.85	-0.12
SNB-H7eP	-0.02	880.80	0.74	1099.57	-39.40	324.25	-6.33
SNB-H7fP	0.00	-1099.57	39.40	-880.52	-0.78	-324.21	6.32
SNB-H8aP	-8.64	1335.07	-3.87	1297.17	25.05	387.79	3.13
SNB-H8bP	-8.65	-1297.17	-25.07	-1123.87	-18.53	-356.67	-6.43
SNB-H8cP	8.63	1123.92	18.54	1297.20	25.09	356.68	6.42
SNB-H8dP	8.61	-1297.20	-25.08	-1334.99	3.86	-387.78	-3.12
SNB-H8eP	-0.05	1199.47	-1.70	1306.00	-37.28	369.10	-5.74
SNB-H8fP	-0.01	-1306.00	37.28	-1199.36	1.69	-369.09	5.74
SNB-H9aP	-19.51	1581.45	54.34	1375.83	72.83	395.92	17.04
SNB-H9bP	-19.54	-1375.83	-72.86	-1446.56	-61.03	-377.86	-17.94
SNB-H9cP	19.51	1446.60	61.03	1375.85	72.91	377.87	17.92
SNB-H9dP	19.48	-1375.85	-72.89	-1581.44	-54.41	-395.92	-17.03
SNB-H9eP	-0.03	1453.47	34.11	1403.06	3.68	382.42	5.06
SNB-H9fP	0.00	-1403.06	-3.68	-1453.33	-34.17	-382.40	-5.07

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

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

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	-0.0004571	1.246	-0.0834	-0.6715	0.0012	0.0294	4.333	1.246	179.9
RohnBP	-0.001029	1.01	-0.074	-0.6809	0.0015	0.0193	5.12	1.01	159.9
RohnCP	-0.001587	0.7814	-0.06439	-0.6144	0.0014	0.0055	5.907	0.7814	139.9
RohnDP	-0.002098	0.5728	-0.05467	-0.5454	0.0009	-0.0024	6.693	0.5728	119.9
RohnEP	-0.002582	0.3972	-0.04518	-0.4498	-0.0001	-0.0062	7.478	0.3972	99.95
RohnFP	-0.003016	0.2547	-0.03599	-0.3733	-0.0011	-0.0073	8.265	0.2547	79.96
RohnGP	-0.00343	0.1448	-0.02693	-0.2692	0.0001	-0.0057	9.052	0.1448	59.97
RohnHP	-0.003774	0.0654	-0.01804	-0.1846	0.0024	-0.0044	9.837	0.0654	39.98
RohnIP	-0.003763	0.01758	-0.009075	-0.0932	0.0197	-0.0029	10.63	0.01758	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	0.0003272	1.243	-0.08025	-0.6798	-0.0044	-0.0005	2.333	1.243	179.9
SNB-BP	-0.0002443	1.007	-0.07099	-0.6693	-0.0025	-0.0006	3.121	1.007	159.9
SNB-CP	-0.0008037	0.779	-0.06173	-0.6278	-0.0033	-0.0022	3.907	0.779	139.9
SNB-DP	-0.001317	0.5718	-0.05255	-0.5526	-0.0080	-0.0029	4.694	0.5718	119.9
SNB-EP	-0.001801	0.3961	-0.04344	-0.4429	-0.0052	-0.0028	5.479	0.3961	99.96
SNB-FP	-0.002236	0.2545	-0.03472	-0.3709	-0.0080	-0.0027	6.266	0.2545	79.97
SNB-GP	-0.00265	0.1445	-0.02602	-0.2741	-0.0102	-0.0034	7.052	0.1445	59.97
SNB-HP	-0.002994	0.06554	-0.01742	-0.1844	-0.0071	-0.0033	7.838	0.06554	39.98
SNB-IP	-0.002983	0.01743	-0.008737	-0.0941	0.0107	-0.0031	8.625	0.01743	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.004291	1.244	-0.03948	-0.6820	0.0002	0.0352	-2.162	-2.509	180
RohnA2	-8.59e-005	1.24	-0.127	-0.6779	0.0012	0.0321	-2.167	4.993	179.9
RohnB1	0.00435	1.008	-0.02342	-0.6678	-0.0005	0.0312	-2.556	-3.427	160
RohnB2	-0.0004325	1.004	-0.1243	-0.6698	0.0056	0.0290	-2.561	5.438	159.9
RohnC1	0.003446	0.7805	-0.01043	-0.6223	0.0087	0.0235	-2.951	-4.337	140
RohnC2	0.0003706	0.776	-0.1181	-0.6217	-0.0074	0.0222	-2.954	5.893	139.9
RohnD1	0.003478	0.5734	-0.001973	-0.5470	0.0053	0.0181	-3.344	-5.225	120
RohnD2	0.0001389	0.5684	-0.1071	-0.5461	-0.0038	0.0172	-3.347	6.366	119.9
RohnE1	0.003024	0.3982	0.003062	-0.4474	-0.0012	0.0135	-3.737	-6.081	100
RohnE2	0.0005463	0.3928	-0.09321	-0.4471	0.0031	0.0129	-3.74	6.872	99.91
RohnF1	0.003019	0.2569	0.006136	-0.3585	-0.0058	0.0103	-4.131	-6.903	80.01
RohnF2	0.000568	0.2511	-0.07796	-0.3564	0.0085	0.0099	-4.133	7.411	79.92
RohnG1	0.002726	0.1473	0.006632	-0.2659	-0.0000	0.0073	-4.525	-7.695	60.01
RohnG2	0.001033	0.1411	-0.06039	-0.2659	0.0009	0.0070	-4.526	7.983	59.94
RohnH1	0.002711	0.06873	0.006124	-0.1789	-0.0018	0.0049	-4.918	-8.454	40.01
RohnH2	0.001207	0.06208	-0.04213	-0.1829	-0.0001	0.0047	-4.919	8.585	39.96
RohnI1	0.002306	0.02087	0.002933	-0.0669	-0.0138	0.0023	-5.313	-9.185	20
RohnI2	0.0015	0.01434	-0.02105	-0.1012	-0.0054	0.0022	-5.314	9.22	19.98
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	0.001698	1.244	-0.05631	-0.6839	0.0024	0.0013	-1.165	-0.7762	179.9
SNB-A2	0.001684	1.242	-0.1041	-0.6740	0.0030	-0.0003	-1.165	3.263	179.9
SNB-B1	0.001588	1.008	-0.03977	-0.6681	0.0002	0.0012	-1.559	-1.695	160
SNB-B2	0.001574	1.006	-0.1021	-0.6631	0.0045	-0.0001	-1.559	3.709	159.9
SNB-C1	0.001522	0.7806	-0.02519	-0.6293	0.0014	0.0019	-1.952	-2.604	140
SNB-C2	0.001427	0.7776	-0.09814	-0.6219	0.0039	0.0007	-1.953	4.162	139.9
SNB-D1	0.001472	0.5736	-0.01403	-0.5568	0.0030	0.0021	-2.346	-3.492	120
SNB-D2	0.001357	0.5701	-0.09094	-0.5417	0.0067	0.0011	-2.346	4.636	119.9
SNB-E1	0.001474	0.3982	-0.007732	-0.4456	0.0019	0.0018	-2.739	-4.349	99.99
SNB-E2	0.001311	0.3942	-0.07903	-0.4357	0.0045	0.0012	-2.739	5.141	99.92
SNB-F1	0.001491	0.2569	-0.001269	-0.3675	-0.0015	0.0017	-3.133	-5.171	80
SNB-F2	0.001337	0.2525	-0.06805	-0.3532	0.0106	0.0012	-3.133	5.681	79.93
SNB-G1	0.00158	0.1471	0.001739	-0.2722	-0.0008	0.0019	-3.526	-5.963	60
SNB-G2	0.001374	0.1422	-0.0537	-0.2543	0.0118	0.0016	-3.526	6.252	59.95
SNB-H1	0.001692	0.06842	0.003262	-0.1871	0.0017	0.0018	-3.919	-6.722	40
SNB-H2	0.001427	0.06311	-0.03806	-0.1747	0.0058	0.0016	-3.919	6.854	39.96
SNB-I1	0.001685	0.02033	0.001807	-0.0761	-0.0103	0.0016	-4.312	-7.452	20

SNB-I2	0.001328	0.01515	-0.01926	-0.0947	-0.0002	0.0015	-4.313	7.487	0.01515	19.98
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0	0
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0	0
RohnAaS	-0.0005676	1.187	-0.08107	-0.6838	0.0021	0.0264	4.529	1.187	174.9	
RohnAbS	-0.0007515	1.127	-0.07871	-0.6887	0.0016	0.0238	4.726	1.127	169.9	
RohnAcS	-0.0008454	1.068	-0.07635	-0.6667	0.0016	0.0222	4.923	1.068	164.9	
RohnBaS	-0.001127	0.9509	-0.07161	-0.6569	0.0020	0.0161	5.317	0.9509	154.9	
RohnBbS	-0.001314	0.8946	-0.06925	-0.6677	0.0015	0.0116	5.514	0.8946	149.9	
RohnBcS	-0.001387	0.8352	-0.06679	-0.6527	0.0016	0.0081	5.711	0.8352	144.9	
RohnCaS	-0.001675	0.7086	-0.06117	-0.6255	0.0002	0.0015	6.169	0.7086	133.3	
RohnCbS	-0.001834	0.638	-0.0579	-0.5829	0.0017	-0.0004	6.431	0.638	126.6	
RohnDaS	-0.002158	0.5103	-0.05149	-0.5286	-0.0003	-0.0043	6.955	0.5103	113.3	
RohnDbS	-0.002329	0.4509	-0.04831	-0.4837	0.0016	-0.0050	7.217	0.4509	106.6	
RohnEaS	-0.002644	0.3459	-0.0421	-0.4258	-0.0001	-0.0066	7.74	0.3459	93.3	
RohnEbS	-0.002827	0.2986	-0.03904	-0.3881	0.0013	-0.0065	8.003	0.2986	86.62	
RohnFaS	-0.002937	0.1931	-0.03143	-0.3116	0.0006	-0.0061	8.659	0.1931	69.97	
RohnGaS	-0.003342	0.09926	-0.02247	-0.2275	-0.0006	-0.0051	9.445	0.09926	49.98	
RohnHaS	-0.003811	0.03514	-0.01357	-0.1360	-0.0070	-0.0035	10.23	0.03514	29.99	
RohnIaS	-0.005926	0.003119	-0.004806	-0.0522	-0.0225	-0.0017	11.02	0.003119	9.995	
SNB-AaS	0.0002175	1.184	-0.07794	-0.6807	0.0025	-0.0007	2.53	1.184	174.9	
SNB-AbS	3.25e-005	1.125	-0.07563	-0.6814	0.0002	-0.0009	2.727	1.125	169.9	
SNB-AcS	-6.13e-005	1.065	-0.07331	-0.6732	0.0019	-0.0007	2.924	1.065	164.9	
SNB-BaS	-0.000344	0.9485	-0.06867	-0.6659	0.0021	-0.0013	3.317	0.9485	154.9	
SNB-BbS	-0.0005287	0.891	-0.06635	-0.6556	0.0002	-0.0017	3.514	0.891	149.9	
SNB-BcS	-0.0006043	0.8343	-0.06404	-0.6421	0.0021	-0.0020	3.711	0.8343	144.9	
SNB-CaS	-0.0008924	0.7064	-0.05865	-0.6166	0.0005	-0.0030	4.169	0.7064	133.3	
SNB-CbS	-0.001053	0.6367	-0.05557	-0.5753	0.0035	-0.0026	4.432	0.6367	126.6	
SNB-DaS	-0.001376	0.5081	-0.04949	-0.5343	0.0017	-0.0036	4.955	0.5081	113.3	
SNB-DbS	-0.001547	0.4489	-0.04643	-0.4775	0.0024	-0.0028	5.218	0.4489	106.6	
SNB-EaS	-0.001863	0.3451	-0.04052	-0.4273	0.0009	-0.0031	5.741	0.3451	93.3	
SNB-EbS	-0.002046	0.2977	-0.0376	-0.3841	0.0029	-0.0024	6.004	0.2977	86.62	
SNB-FaS	-0.002156	0.1919	-0.03033	-0.3119	0.0050	-0.0027	6.659	0.1919	69.97	
SNB-GaS	-0.002562	0.09819	-0.0217	-0.2246	0.0044	-0.0032	7.445	0.09819	49.98	
SNB-HaS	-0.00303	0.03416	-0.0131	-0.1371	-0.0024	-0.0032	8.231	0.03416	29.99	
SNB-IaS	-0.005145	0.002306	-0.004734	-0.0513	-0.0168	-0.0018	9.016	0.002306	9.995	
SNB-WL-A1S	0.001006	1.244	-0.0684	-0.6816	-0.0014	0.0026	0.5843	0.2335	179.9	
SNB-WL-A2S	0.001688	1.243	-0.08035	-0.6778	0.0027	-0.0000	-1.165	1.243	179.9	
SNB-WL-A3S	0.001011	1.243	-0.09231	-0.6767	-0.0004	-0.0021	0.5843	2.253	179.9	
SNB-WL-B1S	0.0006641	1.008	-0.05552	-0.6667	-0.0046	0.0026	0.7809	-0.3438	159.9	
SNB-WL-B2S	0.001579	1.007	-0.0711	-0.6585	0.0024	-0.0001	-1.559	1.007	159.9	
SNB-WL-B3S	0.0006727	1.006	-0.08676	-0.6646	0.0038	-0.0020	0.7809	2.358	159.9	
SNB-WL-C1S	0.0003241	0.7799	-0.04385	-0.6256	-0.0062	0.0020	0.9773	-0.9123	140	
SNB-WL-C2S	0.001475	0.7791	-0.06209	-0.6141	0.0026	0.0005	-1.953	0.7791	139.9	
SNB-WL-C3S	0.0003422	0.7784	-0.08039	-0.6221	0.0050	-0.0021	0.9773	2.471	139.9	
SNB-WL-D1S	2.678e-005	0.5728	-0.0344	-0.5519	-0.0073	0.0016	1.174	-1.46	120	
SNB-WL-D2S	0.001418	0.5719	-0.05365	-0.5387	0.0048	0.0003	-2.346	0.5719	119.9	
SNB-WL-D3S	6.495e-005	0.571	-0.07297	-0.5446	0.0037	-0.0016	1.174	2.604	119.9	
SNB-WL-E1S	-0.0002208	0.3972	-0.02642	-0.4404	-0.0082	0.0008	1.37	-1.976	99.97	
SNB-WL-E2S	0.001395	0.3962	-0.04426	-0.4256	0.0032	0.0007	-2.739	0.3962	99.96	
SNB-WL-E3S	-0.0001924	0.3952	-0.06216	-0.4356	0.0061	-0.0013	1.37	2.769	99.94	
SNB-WL-F1S	-0.0004327	0.2558	-0.01938	-0.3662	-0.0099	0.0006	1.567	-2.458	79.98	
SNB-WL-F2S	0.001418	0.2547	-0.03629	-0.3489	0.0045	0.0004	-3.133	0.2547	79.96	
SNB-WL-F3S	-0.000396	0.2536	-0.05327	-0.3592	0.0061	-0.0008	1.567	2.968	79.95	
SNB-WL-G1S	-0.0006152	0.1459	-0.01482	-0.2719	-0.0076	0.0002	1.763	-2.909	59.99	
SNB-WL-G2S	0.001475	0.1446	-0.02894	-0.2585	0.0055	0.0005	-3.526	0.1446	59.97	
SNB-WL-G3S	-0.0005617	0.1435	-0.0431	-0.2631	0.0027	-0.0006	1.763	3.198	59.96	
SNB-WL-H1S	-0.0007539	0.06716	-0.01124	-0.1833	-0.0069	-0.0002	1.959	-3.328	39.99	
SNB-WL-H2S	0.001568	0.06576	-0.02164	-0.1712	0.0038	0.0008	-3.919	0.06576	39.98	
SNB-WL-H3S	-0.0006962	0.06448	-0.03207	-0.1771	0.0035	-0.0006	1.96	3.46	39.97	
SNB-WL-I1S	-0.0008621	0.01926	-0.007965	-0.0834	-0.0028	-0.0006	2.156	-3.717	19.99	
SNB-WL-I2S	0.001688	0.01774	-0.01347	-0.0785	-0.0052	0.0013	-4.312	0.01774	19.99	
SNB-WL-I3S	-0.0008029	0.01634	-0.019	-0.0927	0.0082	-0.0007	2.156	3.752	19.98	
RohnAa1	0.004362	1.184	-0.03518	-0.6777	0.0035	0.0340	-2.261	-2.739	175	
RohnAa2	-0.0002538	1.181	-0.1266	-0.6827	0.0032	0.0315	-2.265	5.104	174.9	
RohnAb1	0.004253	1.125	-0.03107	-0.6795	-0.0003	0.0333	-2.359	-2.968	170	
RohnAb2	-0.000549	1.121	-0.1261	-0.6777	0.0013	0.0306	-2.364	5.215	169.9	

RohnAc1	0.004581	1.066	-0.02714	-0.6757	0.0023	0.0322	-2.457	-3.198	165	
RohnAc2	-0.0004245	1.062	-0.1253	-0.6725	-0.0027	0.0296	-2.462	5.327	164.9	
RohnBa1	0.0045	0.9495	-0.01979	-0.6592	0.0090	0.0290	-2.654	-3.656	155	
RohnBa2	-0.00067	0.9454	-0.1231	-0.6582	-0.0075	0.0271	-2.66	5.551	154.9	
RohnBb1	0.003574	0.8924	-0.01638	-0.6560	0.0020	0.0277	-2.754	-3.884	150	
RohnBb2	0.0002799	0.8882	-0.1218	-0.6563	0.0013	0.0258	-2.757	5.664	149.9	
RohnBc1	0.004277	0.8353	-0.0132	-0.6431	0.0007	0.0259	-2.852	-4.111	145	
RohnBc2	-0.0005932	0.831	-0.1201	-0.6427	0.0013	0.0242	-2.857	5.778	144.9	
RohnCa1	0.003581	0.7086	-0.006873	-0.6093	-0.0047	0.0225	-3.082	-4.635	133.3	
RohnCa2	5.733e-005	0.7041	-0.1152	-0.6084	0.0083	0.0211	-3.085	6.048	133.2	
RohnCb1	0.004033	0.6392	-0.00401	-0.5816	0.0019	0.0203	-3.213	-4.932	126.7	
RohnCb2	-0.0005034	0.6344	-0.1115	-0.5828	-0.0007	0.0192	-3.217	6.206	126.5	
RohnDa1	0.003478	0.5112	0.0003535	-0.5201	-0.0027	0.0169	-3.475	-5.513	113.3	
RohnDa2	-1.73e-005	0.5063	-0.1031	-0.5189	0.0054	0.0160	-3.478	6.531	113.2	
RohnDb1	0.003672	0.4525	0.002015	-0.4855	0.0047	0.0150	-3.606	-5.8	106.7	
RohnDb2	-0.0002263	0.4474	-0.09842	-0.4867	-0.0046	0.0143	-3.61	6.699	106.6	
RohnEa1	0.003416	0.348	0.004473	-0.4170	-0.0018	0.0124	-3.868	-6.358	93.34	
RohnEa2	4.548e-005	0.3426	-0.0885	-0.4161	0.0034	0.0118	-3.871	7.048	93.25	
RohnEb1	0.003252	0.3008	0.005504	-0.3922	0.0049	0.0111	-4	-6.633	86.67	
RohnEb2	0.0002743	0.2952	-0.08341	-0.3937	-0.0051	0.0107	-4.003	7.229	86.58	
RohnFa1	0.004285	0.1981	0.006824	-0.3141	0.0029	0.0087	-4.326	-7.303	70.01	
RohnFa2	-0.001001	0.1925	-0.06958	-0.3143	-0.0029	0.0083	-4.332	7.694	69.93	
RohnGa1	0.003879	0.1044	0.00671	-0.2259	0.0006	0.0061	-4.72	-8.078	50.01	
RohnGa2	-0.0004288	0.09828	-0.05157	-0.2245	0.0005	0.0058	-4.724	8.28	49.95	
RohnHa1	0.003942	0.0411	0.004808	-0.1433	0.0054	0.0035	-5.114	-8.823	30	
RohnHa2	-0.0001665	0.03433	-0.03191	-0.1310	0.0019	0.0033	-5.118	8.899	29.97	
RohnIa1	0.004499	0.0107	0.001387	-0.0722	0.0130	0.0012	-5.508	-9.537	10	
RohnIa2	0.001347	0.0003536	-0.01099	-0.0333	0.0095	0.0012	-5.511	9.548	9.989	
SNB-Aa1	0.001697	1.185	-0.052	-0.6784	-0.0000	0.0013	-1.263	-1.006	174.9	
SNB-Aa2	0.001652	1.183	-0.1038	-0.6828	0.0001	-0.0001	-1.263	3.374	174.9	
SNB-Ab1	0.001711	1.126	-0.04779	-0.6796	-0.0003	0.0014	-1.362	-1.236	170	
SNB-Ab2	0.001569	1.123	-0.1034	-0.6780	0.0026	-0.0001	-1.362	3.485	169.9	
SNB-Ac1	0.001754	1.067	-0.0437	-0.6755	0.0016	0.0013	-1.46	-1.466	165	
SNB-Ac2	0.001443	1.064	-0.1028	-0.6756	-0.0012	-0.0001	-1.461	3.597	164.9	
SNB-Ba1	0.00173	0.9501	-0.03587	-0.6642	-0.0005	0.0016	-1.657	-1.923	155	
SNB-Ba2	0.001325	0.9476	-0.1013	-0.6655	0.0007	0.0002	-1.658	3.821	154.9	
SNB-Bb1	0.00165	0.8926	-0.03212	-0.6565	0.0012	0.0017	-1.756	-2.151	150	
SNB-Bb2	0.001405	0.8898	-0.1005	-0.6556	0.0007	0.0004	-1.756	3.933	149.9	
SNB-Bc1	0.001624	0.8359	-0.02856	-0.6422	0.0008	0.0018	-1.854	-2.378	145	
SNB-Bc2	0.001316	0.8331	-0.09938	-0.6443	-0.0006	0.0006	-1.854	4.047	144.9	
SNB-Ca1	0.001845	0.7086	-0.02102	-0.6087	-0.0039	0.0023	-2.083	-2.903	133.3	
SNB-Ca2	0.0009737	0.7056	-0.09616	-0.6084	0.0054	0.0011	-2.084	4.317	133.2	
SNB-Cb1	0.002011	0.6394	-0.01731	-0.5793	0.0028	0.0020	-2.214	-3.2	126.6	
SNB-Cb2	0.000751	0.6362	-0.09372	-0.5839	-0.0045	0.0010	-2.216	4.475	126.6	
SNB-Da1	0.002086	0.5111	-0.01137	-0.5206	-0.0073	0.0024	-2.476	-3.782	113.3	
SNB-Da2	0.0006006	0.5076	-0.08749	-0.5225	0.0074	0.0015	-2.478	4.8	113.3	
SNB-Db1	0.002294	0.4524	-0.009284	-0.4858	0.0052	0.0018	-2.607	-4.068	106.7	
SNB-Db2	0.0003766	0.4487	-0.08348	-0.4888	-0.0062	0.0012	-2.609	4.969	106.6	
SNB-Ea1	0.001861	0.348	-0.005163	-0.4196	-0.0040	0.0020	-2.87	-4.626	93.33	
SNB-Ea2	0.000838	0.344	-0.07576	-0.4204	0.0045	0.0014	-2.871	5.318	93.26	
SNB-Eb1	0.001909	0.3007	-0.003026	-0.3903	0.0038	0.0015	-3.001	-4.901	86.66	
SNB-Eb2	0.0008375	0.2965	-0.07207	-0.3944	-0.0057	0.0010	-3.002	5.498	86.59	
SNB-Fa1	0.003392	0.1977	0.0006277	-0.3118	0.0001	0.0016	-3.327	-5.571	70	
SNB-Fa2	-0.0008511	0.1935	-0.06123	-0.3197	-0.0043	0.0012	-3.332	5.962	69.94	
SNB-Ga1	0.003263	0.1038	0.002854	-0.2231	-0.0008	0.0018	-3.721	-6.346	50	
SNB-Ga2	-0.0005397	0.09913	-0.04621	-0.2302	-0.0031	0.0015	-3.725	6.549	49.95	
SNB-Ha1	0.003578	0.0404	0.002866	-0.1403	0.0020	0.0017	-4.114	-7.091	30	
SNB-Ha2	-0.0005326	0.03503	-0.02905	-0.1360	0.0007	0.0015	-4.118	7.166	29.97	
SNB-Ia1	0.004347	0.009882	0.0008551	-0.0677	0.0095	0.0009	-4.506	-7.803	10	
SNB-Ia2	0.0007688	0.0009222	-0.01032	-0.0386	0.0073	0.0008	-4.51	7.814	9.99	

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

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

RohnJP	7.26	0.0	-1.84	0.0	20.23	0.0	0.0	21.58	0.0	0.13	0.0	5.8	0.0	-0.01	0.0	0.0
SNB-JP	15.29	0.0	-3.77	0.0	19.73	0.0	0.0	25.24	0.0	-1.59	0.0	10.9	0.0	-0.08	0.0	0.0
RohnJ1	-11.30	0.0	-21.08	0.0	-210.69	0.0	0.0	212.04	0.0	7.73	0.0	-4.4	0.0	-0.01	0.0	0.0
RohnJ2	4.06	0.0	-8.50	0.0	250.80	0.0	0.0	250.98	0.0	-2.32	0.0	-1.2	0.0	-0.00	0.0	0.0
SNB-J1	-20.54	0.0	-39.30	0.0	-263.31	0.0	0.0	267.02	0.0	14.83	0.0	-9.4	0.0	0.04	0.0	0.0
SNB-J2	5.24	0.0	-12.86	0.0	302.58	0.0	0.0	302.90	0.0	-4.10	0.0	-1.4	0.0	0.04	0.0	0.0

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

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	0.0000	1.3800	-0.5163	0.0000	-1.3800	0.5163	-0.0005	1.2461	-0.0834
RohnBP	0.0000	1.4777	-0.6990	0.0000	-1.4777	0.6990	-0.0010	1.0100	-0.0740
RohnCP	0.0000	1.1811	-0.9164	-0.0000	-1.1811	0.9164	-0.0016	0.7814	-0.0644
RohnDP	0.0000	1.3577	-1.5344	0.0000	-1.3577	1.5344	-0.0021	0.5728	-0.0547
RohnEP	0.0000	0.5735	-0.8607	-0.0000	-0.5735	0.8607	-0.0026	0.3972	-0.0452
RohnFP	0.0000	0.7246	-1.1597	0.0000	-0.7246	1.1597	-0.0030	0.2547	-0.0360
RohnGP	0.0000	0.6873	-1.3973	0.0000	-0.6873	1.3973	-0.0034	0.1448	-0.0269
RohnHP	0.0000	0.6489	-1.5256	0.0000	-0.6489	1.5256	-0.0038	0.0654	-0.0180
RohnIP	0.0000	0.7154	-1.7796	0.0000	-0.7154	1.7796	-0.0038	0.0176	-0.0091
RohnJP	0.0000	0.3798	-0.9782	-7.2577	1.4596	-19.2566	0.0000	0.0000	0.0000
SNB-AP	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	0.0003	1.2433	-0.0803
SNB-BP	0.0000	0.3457	-0.3242	0.0000	-0.3457	0.3242	-0.0002	1.0070	-0.0710
SNB-CP	0.0000	0.4780	-0.5084	0.0000	-0.4780	0.5084	-0.0008	0.7790	-0.0617
SNB-DP	0.0000	0.5620	-0.6945	0.0000	-0.5620	0.6945	-0.0013	0.5718	-0.0526
SNB-EP	0.0000	0.5735	-0.8607	0.0000	-0.5735	0.8607	-0.0018	0.3961	-0.0434
SNB-FP	0.0000	0.6409	-1.1382	0.0000	-0.6409	1.1382	-0.0022	0.2545	-0.0347
SNB-GP	0.0000	0.6873	-1.3973	0.0000	-0.6873	1.3973	-0.0027	0.1445	-0.0260
SNB-HP	0.0000	0.6489	-1.5256	0.0000	-0.6489	1.5256	-0.0030	0.0655	-0.0174
SNB-IP	0.0000	0.6921	-1.7596	0.0000	-0.6921	1.7596	-0.0030	0.0174	-0.0087
SNB-JP	0.0000	0.3798	-0.9782	-15.2858	3.3867	-18.7485	0.0000	0.0000	0.0000
RohnA1	0.0000	1.5593	-0.5671	0.0000	-1.5593	0.5671	0.0043	1.2437	-0.0395
RohnA2	0.0000	1.8067	-0.7492	0.0000	-1.8067	0.7492	-0.0001	1.2403	-0.1270
RohnB1	0.0000	0.6389	-0.4690	0.0000	-0.6389	0.4690	0.0043	1.0076	-0.0234
RohnB2	0.0000	0.6207	-0.4090	0.0000	-0.6207	0.4090	-0.0004	1.0035	-0.1243
RohnC1	0.0000	1.2373	-1.0764	0.0000	-1.2373	1.0764	0.0034	0.7805	-0.0104
RohnC2	0.0000	1.5213	-1.1654	0.0000	-1.5213	1.1654	0.0004	0.7760	-0.1181
RohnD1	0.0000	1.3577	-1.5344	0.0000	-1.3577	1.5344	0.0035	0.5734	-0.0020
RohnD2	0.0000	1.3577	-1.5344	0.0000	-1.3577	1.5344	0.0001	0.5684	-0.1071
RohnE1	0.0000	0.5735	-0.8607	0.0000	-0.5735	0.8607	0.0030	0.3982	0.0031
RohnE2	0.0000	0.5735	-0.8607	0.0000	-0.5735	0.8607	0.0005	0.3928	-0.0932
RohnF1	0.0000	0.8204	-1.2092	0.0000	-0.8204	1.2092	0.0030	0.2569	0.0061
RohnF2	0.0000	0.7246	-1.1597	0.0000	-0.7246	1.1597	0.0006	0.2511	-0.0780
RohnG1	0.0000	0.7149	-1.4173	0.0000	-0.7149	1.4173	0.0027	0.1473	0.0066
RohnG2	0.0000	0.7149	-1.4173	0.0000	-0.7149	1.4173	0.0010	0.1411	-0.0604
RohnH1	0.0000	0.6489	-1.5256	0.0000	-0.6489	1.5256	0.0027	0.0687	0.0061
RohnH2	0.0000	0.6489	-1.5256	0.0000	-0.6489	1.5256	0.0012	0.0621	-0.0421
RohnI1	0.0000	0.6921	-1.7596	-0.0000	-0.6921	1.7596	0.0023	0.0209	0.0029
RohnI2	0.0000	0.6921	-1.7596	-0.0000	-0.6921	1.7596	0.0015	0.0143	-0.0211
RohnJ1	0.0000	0.3798	-0.9782	11.2995	20.7005	211.6649	0.0000	0.0000	0.0000
RohnJ2	0.0000	0.3798	-0.9782	-4.0629	8.1216	-249.8255	0.0000	0.0000	0.0000
SNB-A1	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1348	0.0017	1.2442	-0.0563
SNB-A2	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1348	0.0017	1.2423	-0.1041
SNB-B1	0.0000	0.3457	-0.3242	-0.0000	-0.3457	0.3242	0.0016	1.0082	-0.0398
SNB-B2	0.0000	0.3457	-0.3242	-0.0000	-0.3457	0.3242	0.0016	1.0057	-0.1021
SNB-C1	0.0000	0.4780	-0.5084	-0.0000	-0.4780	0.5084	0.0015	0.7806	-0.0252
SNB-C2	0.0000	0.4780	-0.5084	-0.0000	-0.4780	0.5084	0.0014	0.7776	-0.0981
SNB-D1	0.0000	0.5620	-0.6945	-0.0000	-0.5620	0.6945	0.0015	0.5736	-0.0140
SNB-D2	0.0000	0.5620	-0.6945	-0.0000	-0.5619	0.6945	0.0014	0.5701	-0.0909
SNB-E1	0.0000	0.5735	-0.8607	-0.0000	-0.5735	0.8607	0.0015	0.3982	-0.0077
SNB-E2	0.0000	0.5735	-0.8607	-0.0000	-0.5735	0.8607	0.0013	0.3942	-0.0790
SNB-F1	0.0000	0.6409	-1.1382	-0.0000	-0.6409	1.1382	0.0015	0.2569	-0.0013

SNB-F2	0.0000	0.6409	-1.1382	-0.0000	-0.6409	1.1382	0.0013	0.2525	-0.0681
SNB-G1	0.0000	0.6873	-1.3973	-0.0000	-0.6873	1.3973	0.0016	0.1471	0.0017
SNB-G2	0.0000	0.6873	-1.3973	-0.0000	-0.6873	1.3973	0.0014	0.1422	-0.0537
SNB-H1	0.0000	0.6489	-1.5256	-0.0000	-0.6489	1.5256	0.0017	0.0684	0.0033
SNB-H2	0.0000	0.6489	-1.5256	-0.0000	-0.6489	1.5256	0.0014	0.0631	-0.0381
SNB-I1	0.0000	0.6921	-1.7596	-0.0000	-0.6921	1.7596	0.0017	0.0203	0.0018
SNB-I2	0.0000	0.6921	-1.7596	-0.0000	-0.6921	1.7596	0.0013	0.0151	-0.0193
SNB-J1	0.0000	0.3798	-0.9782	20.5424	38.9247	264.2861	0.0000	0.0000	0.0000
SNB-J2	0.0000	0.3798	-0.9782	-5.2353	12.4837	-301.6001	0.0000	0.0000	0.0000
RohnAaS	0.0000	1.2463	-0.3647	-0.0000	-1.2463	0.3647	-0.0006	1.1873	-0.0811
RohnAbS	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1347	-0.0008	1.1272	-0.0787
RohnAcS	0.0000	0.1647	-0.1547	-0.0000	-0.1647	0.1547	-0.0008	1.0681	-0.0763
RohnBaS	0.0000	0.1994	-0.1894	-0.0000	-0.1994	0.1894	-0.0011	0.9509	-0.0716
RohnBbS	0.0000	1.8582	-1.1644	-0.0000	-1.8582	1.1644	-0.0013	0.8946	-0.0693
RohnBcS	0.0000	0.2526	-0.2644	-0.0000	-0.2526	0.2644	-0.0014	0.8352	-0.0668
RohnCaS	0.0000	1.9787	-1.0982	-0.0000	-1.9787	1.0982	-0.0017	0.7086	-0.0612
RohnCbS	0.0000	0.3604	-0.4890	-0.0000	-0.3604	0.4890	-0.0018	0.6380	-0.0579
RohnDaS	0.0000	0.4123	-0.6205	-0.0000	-0.4123	0.6205	-0.0022	0.5103	-0.0515
RohnDbS	0.0000	0.2834	-0.3755	-0.0000	-0.2834	0.3755	-0.0023	0.4509	-0.0483
RohnEaS	0.0000	0.2901	-0.4851	0.0000	-0.2901	0.4851	-0.0026	0.3459	-0.0421
RohnEbS	0.0000	0.3360	-0.5601	0.0000	-0.3360	0.5601	-0.0028	0.2986	-0.0390
RohnFaS	0.0000	0.3508	-0.6531	0.0000	-0.3508	0.6531	-0.0029	0.1931	-0.0314
RohnGaS	0.0000	0.3366	-0.7442	0.0000	-0.3366	0.7442	-0.0033	0.0993	-0.0225
RohnHaS	0.0000	0.3123	-0.7814	0.0000	-0.3123	0.7814	-0.0038	0.0351	-0.0136
RohnIaS	0.0000	0.3798	-0.9782	0.0000	-0.3798	0.9782	-0.0059	0.0031	-0.0048
SNB-AaS	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	0.0002	1.1839	-0.0779
SNB-AbS	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	0.0000	1.1245	-0.0756
SNB-AcS	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	-0.0001	1.0653	-0.0733
SNB-BaS	0.0000	0.1994	-0.1894	0.0000	-0.1994	0.1894	-0.0003	0.9485	-0.0687
SNB-BbS	0.0000	0.1994	-0.1894	-0.0000	-0.1994	0.1894	-0.0005	0.8910	-0.0664
SNB-BcS	0.0000	0.1994	-0.1894	0.0000	-0.1994	0.1894	-0.0006	0.8343	-0.0640
SNB-CaS	0.0000	0.2785	-0.3190	0.0000	-0.2785	0.3190	-0.0009	0.7064	-0.0587
SNB-CbS	0.0000	0.2785	-0.3190	0.0000	-0.2785	0.3190	-0.0011	0.6367	-0.0556
SNB-DaS	0.0000	0.2834	-0.3755	0.0000	-0.2834	0.3755	-0.0014	0.5081	-0.0495
SNB-DbS	0.0000	0.2834	-0.3755	0.0000	-0.2834	0.3755	-0.0015	0.4489	-0.0464
SNB-EaS	0.0000	0.2901	-0.4851	0.0000	-0.2901	0.4851	-0.0019	0.3451	-0.0405
SNB-EbS	0.0000	0.2901	-0.4851	0.0000	-0.2901	0.4851	-0.0020	0.2977	-0.0376
SNB-FaS	0.0000	0.3508	-0.6531	0.0000	-0.3508	0.6531	-0.0022	0.1919	-0.0303
SNB-GaS	0.0000	0.3366	-0.7442	0.0000	-0.3366	0.7442	-0.0026	0.0982	-0.0217
SNB-HaS	0.0000	0.3123	-0.7814	0.0000	-0.3123	0.7814	-0.0030	0.0342	-0.0131
SNB-IaS	0.0000	0.3798	-0.9782	0.0000	-0.3798	0.9782	-0.0051	0.0023	-0.0047
SNB-WL-A1S	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	0.0010	1.2438	-0.0684
SNB-WL-A2S	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	0.0017	1.2433	-0.0803
SNB-WL-A3S	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1347	0.0010	1.2428	-0.0923
SNB-WL-B1S	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	0.0007	1.0076	-0.0555
SNB-WL-B2S	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	0.0016	1.0070	-0.0711
SNB-WL-B3S	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1347	0.0007	1.0064	-0.0868
SNB-WL-C1S	0.0000	0.1994	-0.1894	0.0000	-0.1994	0.1894	0.0003	0.7799	-0.0438
SNB-WL-C2S	0.0000	0.1994	-0.1894	0.0000	-0.1994	0.1894	0.0015	0.7791	-0.0621
SNB-WL-C3S	0.0000	0.1994	-0.1894	-0.0000	-0.1994	0.1894	0.0003	0.7784	-0.0804
SNB-WL-D1S	0.0000	0.2785	-0.3190	0.0000	-0.2785	0.3190	0.0000	0.5728	-0.0344
SNB-WL-D2S	0.0000	0.2785	-0.3190	0.0000	-0.2785	0.3190	0.0014	0.5719	-0.0537
SNB-WL-D3S	0.0000	0.2785	-0.3190	-0.0000	-0.2785	0.3190	0.0001	0.5710	-0.0730
SNB-WL-E1S	0.0000	0.2834	-0.3755	0.0000	-0.2834	0.3755	-0.0002	0.3972	-0.0264
SNB-WL-E2S	0.0000	0.2834	-0.3755	0.0000	-0.2834	0.3755	0.0014	0.3962	-0.0443
SNB-WL-E3S	0.0000	0.2834	-0.3755	-0.0000	-0.2834	0.3755	-0.0002	0.3952	-0.0622
SNB-WL-F1S	0.0000	0.2901	-0.4851	0.0000	-0.2901	0.4851	-0.0004	0.2558	-0.0194
SNB-WL-F2S	0.0000	0.2901	-0.4851	0.0000	-0.2901	0.4851	0.0014	0.2547	-0.0363
SNB-WL-F3S	0.0000	0.2901	-0.4851	-0.0000	-0.2901	0.4851	-0.0004	0.2536	-0.0533
SNB-WL-G1S	0.0000	0.3508	-0.6531	0.0000	-0.3508	0.6531	-0.0006	0.1459	-0.0148
SNB-WL-G2S	0.0000	0.3508	-0.6531	0.0000	-0.3508	0.6531	0.0015	0.1446	-0.0289
SNB-WL-G3S	0.0000	0.3508	-0.6531	-0.0000	-0.3508	0.6531	-0.0006	0.1435	-0.0431
SNB-WL-H1S	0.0000	0.3366	-0.7442	0.0000	-0.3366	0.7442	-0.0008	0.0672	-0.0112
SNB-WL-H2S	0.0000	0.3366	-0.7442	0.0000	-0.3366	0.7442	0.0016	0.0658	-0.0216
SNB-WL-H3S	0.0000	0.3366	-0.7442	-0.0000	-0.3366	0.7442	-0.0007	0.0645	-0.0321
SNB-WL-I1S	0.0000	0.3123	-0.7814	0.0000	-0.3123	0.7814	-0.0009	0.0193	-0.0080

SNB-WL-I2S	0.0000	0.3123	-0.7814	0.0000	-0.3123	0.7814	0.0017	0.0177	-0.0135
SNB-WL-I3S	0.0000	0.3123	-0.7814	-0.0000	-0.3123	0.7814	-0.0008	0.0163	-0.0190
RohnAa1	0.0000	0.3910	-0.2045	0.0000	-0.3910	0.2045	0.0044	1.1843	-0.0352
RohnAa2	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	-0.0003	1.1808	-0.1266
RohnAb1	0.0000	1.2223	-0.3547	0.0000	-1.2223	0.3547	0.0043	1.1253	-0.0311
RohnAb2	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	-0.0005	1.1212	-0.1261
RohnAc1	0.0000	0.1463	-0.1347	0.0000	-0.1463	0.1347	0.0046	1.0660	-0.0271
RohnAc2	0.0000	0.4597	-0.2272	0.0000	-0.4597	0.2272	-0.0004	1.0624	-0.1253
RohnBa1	0.0000	0.1994	-0.1894	0.0000	-0.1994	0.1894	0.0045	0.9495	-0.0198
RohnBa2	0.0000	0.1994	-0.1894	0.0000	-0.1994	0.1894	-0.0007	0.9454	-0.1231
RohnBb1	0.0000	1.8127	-1.1444	0.0000	-1.8127	1.1444	0.0036	0.8924	-0.0164
RohnBb2	0.0000	1.8127	-1.1444	0.0000	-1.8127	1.1444	0.0003	0.8882	-0.1218
RohnBc1	0.0000	0.1994	-0.1894	0.0000	-0.1994	0.1894	0.0043	0.8353	-0.0132
RohnBc2	0.0000	0.1994	-0.1894	0.0000	-0.1994	0.1894	-0.0006	0.8310	-0.1201
RohnCa1	0.0000	2.0271	-1.1232	0.0000	-2.0271	1.1232	0.0036	0.7086	-0.0069
RohnCa2	0.0000	2.1777	-1.1712	0.0000	-2.1777	1.1712	0.0001	0.7041	-0.1152
RohnCb1	0.0000	0.2785	-0.3190	0.0000	-0.2785	0.3190	0.0040	0.6392	-0.0040
RohnCb2	0.0000	0.2785	-0.3190	0.0000	-0.2785	0.3190	-0.0005	0.6344	-0.1115
RohnDa1	0.0000	0.3363	-0.5355	0.0000	-0.3363	0.5355	0.0035	0.5112	0.0004
RohnDa2	0.0000	0.2834	-0.3755	0.0000	-0.2834	0.3755	-0.0000	0.5063	-0.1031
RohnDb1	0.0000	0.2834	-0.3755	0.0000	-0.2834	0.3755	0.0037	0.4525	0.0020
RohnDb2	0.0000	0.2834	-0.3755	0.0000	-0.2834	0.3755	-0.0002	0.4474	-0.0984
RohnEa1	0.0000	0.2901	-0.4851	0.0000	-0.2901	0.4851	0.0034	0.3480	0.0045
RohnEa2	0.0000	0.2901	-0.4851	0.0000	-0.2901	0.4851	0.0000	0.3426	-0.0885
RohnEb1	0.0000	0.2901	-0.4851	0.0000	-0.2901	0.4851	0.0033	0.3008	0.0055
RohnEb2	0.0000	0.2901	-0.4851	0.0000	-0.2901	0.4851	0.0003	0.2952	-0.0834
RohnFa1	0.0000	0.3508	-0.6531	0.0000	-0.3508	0.6531	0.0043	0.1981	0.0068
RohnFa2	0.0000	0.3508	-0.6531	0.0000	-0.3508	0.6531	-0.0010	0.1925	-0.0696
RohnGa1	0.0000	0.3366	-0.7442	0.0000	-0.3366	0.7442	0.0039	0.1044	0.0067
RohnGa2	0.0000	0.3366	-0.7442	0.0000	-0.3366	0.7442	-0.0004	0.0983	-0.0516
RohnHa1	0.0000	0.3123	-0.7814	0.0000	-0.3123	0.7814	0.0039	0.0411	0.0048
RohnHa2	0.0000	0.3123	-0.7814	0.0000	-0.3123	0.7814	-0.0002	0.0343	-0.0319
RohnIa1	0.0000	0.3798	-0.9782	0.0000	-0.3798	0.9782	0.0045	0.0107	0.0014
RohnIa2	0.0000	0.3798	-0.9782	0.0000	-0.3798	0.9782	0.0013	0.0004	-0.0110
SNB-Aa1	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1347	0.0017	1.1849	-0.0520
SNB-Aa2	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1347	0.0017	1.1830	-0.1038
SNB-Ab1	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1347	0.0017	1.1258	-0.0478
SNB-Ab2	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1347	0.0016	1.1235	-0.1034
SNB-Ac1	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1347	0.0018	1.0666	-0.0437
SNB-Ac2	0.0000	0.1463	-0.1347	-0.0000	-0.1463	0.1347	0.0014	1.0645	-0.1028
SNB-Ba1	0.0000	0.1994	-0.1894	-0.0000	-0.1994	0.1894	0.0017	0.9501	-0.0359
SNB-Ba2	0.0000	0.1994	-0.1894	-0.0000	-0.1994	0.1894	0.0013	0.9476	-0.1013
SNB-Bb1	0.0000	0.1994	-0.1894	-0.0000	-0.1994	0.1894	0.0017	0.8926	-0.0321
SNB-Bb2	0.0000	0.1994	-0.1894	-0.0000	-0.1994	0.1894	0.0014	0.8898	-0.1005
SNB-Bc1	0.0000	0.1994	-0.1894	-0.0000	-0.1994	0.1894	0.0016	0.8359	-0.0286
SNB-Bc2	0.0000	0.1994	-0.1894	-0.0000	-0.1994	0.1894	0.0013	0.8331	-0.0994
SNB-Ca1	0.0000	0.2785	-0.3190	-0.0000	-0.2785	0.3190	0.0018	0.7086	-0.0210
SNB-Ca2	0.0000	0.2785	-0.3190	-0.0000	-0.2785	0.3190	0.0010	0.7056	-0.0962
SNB-Cb1	0.0000	0.2785	-0.3190	-0.0000	-0.2785	0.3190	0.0020	0.6394	-0.0173
SNB-Cb2	0.0000	0.2785	-0.3190	-0.0000	-0.2785	0.3190	0.0008	0.6362	-0.0937
SNB-Da1	0.0000	0.2834	-0.3755	-0.0000	-0.2834	0.3755	0.0021	0.5111	-0.0114
SNB-Da2	0.0000	0.2834	-0.3755	-0.0000	-0.2834	0.3755	0.0006	0.5076	-0.0875
SNB-Db1	0.0000	0.2834	-0.3755	-0.0000	-0.2834	0.3755	0.0023	0.4524	-0.0093
SNB-Db2	0.0000	0.2834	-0.3755	-0.0000	-0.2834	0.3755	0.0004	0.4487	-0.0835
SNB-Ea1	0.0000	0.2901	-0.4851	-0.0000	-0.2901	0.4851	0.0019	0.3480	-0.0052
SNB-Ea2	0.0000	0.2901	-0.4851	-0.0000	-0.2901	0.4851	0.0008	0.3440	-0.0758
SNB-Eb1	0.0000	0.2901	-0.4851	-0.0000	-0.2901	0.4851	0.0019	0.3007	-0.0030
SNB-Eb2	0.0000	0.2901	-0.4851	-0.0000	-0.2901	0.4851	0.0008	0.2965	-0.0721
SNB-Fa1	0.0000	0.3508	-0.6531	-0.0000	-0.3508	0.6531	0.0034	0.1977	0.0006
SNB-Fa2	0.0000	0.3508	-0.6531	-0.0000	-0.3508	0.6531	-0.0009	0.1935	-0.0612
SNB-Ga1	0.0000	0.3366	-0.7442	-0.0000	-0.3366	0.7442	0.0033	0.1038	0.0029
SNB-Ga2	0.0000	0.3366	-0.7442	-0.0000	-0.3366	0.7442	-0.0005	0.0991	-0.0462
SNB-Ha1	0.0000	0.3123	-0.7814	0.0000	-0.3123	0.7814	0.0036	0.0404	0.0029
SNB-Ha2	0.0000	0.3123	-0.7814	0.0000	-0.3123	0.7814	-0.0005	0.0350	-0.0290
SNB-Ia1	0.0000	0.3798	-0.9782	0.0000	-0.3798	0.9782	0.0043	0.0099	0.0009
SNB-Ia2	0.0000	0.3798	-0.9782	0.0000	-0.3798	0.9782	0.0008	0.0009	-0.0103

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	4.84	-0.52	-0.31	63.70	-4.96	12.63	-1.05
Rohn-LA11	1.85	-7.24	1.10	-29.58	-16.33	-7.36	-3.05
Rohn-LA12	1.52	-6.49	-1.49	18.45	-11.44	2.39	-2.58
Rohn-LA2P	4.84	-63.70	4.96	-38.07	7.37	-20.35	2.46
Rohn-LA21	1.85	29.57	16.33	39.13	35.79	13.74	10.42
Rohn-LA22	1.52	-18.45	11.43	-44.59	21.53	-12.60	6.59
Rohn-LA3P	4.84	38.07	-7.37	-75.21	-7.54	-7.43	-2.98
Rohn-LA31	1.85	-39.13	-35.79	-59.14	-49.02	-19.65	-16.95
Rohn-LA32	1.52	44.58	-21.53	17.79	-0.90	12.47	-4.48
Rohn-LA4P	4.84	75.21	7.54	149.34	8.22	44.89	3.15
Rohn-LA41	1.85	59.14	49.02	18.59	63.32	15.54	22.46
Rohn-LA42	1.52	-17.80	0.90	-31.56	-42.04	-9.87	-8.23
Rohn-LB1P	13.04	-155.53	-7.04	-353.54	-10.99	-101.78	-3.60
Rohn-LB11	5.06	-27.41	-59.33	-99.09	-139.10	-25.29	-39.67
Rohn-LB12	4.44	23.09	39.46	-73.40	148.72	-10.06	37.63
Rohn-LB2P	13.04	353.53	10.97	444.05	15.44	159.46	5.27
Rohn-LB21	5.06	99.09	139.09	71.82	196.60	34.16	67.10
Rohn-LB22	4.43	73.40	-148.72	57.11	-221.35	26.10	-74.00
Rohn-LB3P	13.03	-444.05	-15.44	-567.28	-16.46	-202.19	-6.37
Rohn-LB31	5.04	-71.82	-196.60	-179.04	-186.12	-50.14	-76.50
Rohn-LB32	4.45	-57.11	221.35	-170.04	221.84	-45.42	88.63
Rohn-LB4P	13.04	567.27	16.44	250.62	17.95	163.52	6.87
Rohn-LB41	5.07	179.04	186.11	6.31	119.19	37.05	61.02
Rohn-LB42	4.41	170.03	-221.85	-4.34	-149.37	33.14	-74.24
Rohn-LC1P	13.06	-250.62	-17.94	-142.17	-5.97	-58.96	-3.59
Rohn-LC11	5.04	-6.31	-119.19	-130.78	8.99	-20.57	-16.54
Rohn-LC12	4.43	4.33	149.37	-123.48	-0.58	-17.89	22.34
Rohn-LC2P	13.06	142.17	5.97	-263.72	-8.09	-18.19	-0.32
Rohn-LC21	5.04	130.77	-8.99	-133.98	-72.63	-0.48	-12.21
Rohn-LC22	4.42	123.48	0.57	-120.69	87.59	0.42	13.20
Rohn-LC3P	13.06	263.72	8.09	-93.42	15.34	25.56	3.52
Rohn-LC31	5.06	133.98	72.63	-197.38	39.99	-9.51	16.90
Rohn-LC32	4.40	120.69	-87.59	-230.70	-57.71	-16.52	-21.82
Rohn-LD1P	13.06	93.42	-15.34	-240.51	-6.89	-22.08	-3.33
Rohn-LD11	5.05	197.38	-39.99	-338.55	17.41	-21.18	-3.39
Rohn-LD12	4.41	230.70	57.71	-311.96	-8.80	-12.20	7.35
Rohn-LD2P	13.06	240.51	6.88	-652.98	-6.69	-61.73	0.03
Rohn-LD21	5.05	338.55	-17.42	-352.72	-70.71	-2.12	-13.18
Rohn-LD22	4.41	311.95	8.80	-330.37	81.21	-2.76	13.48
Rohn-LD3P	13.06	652.98	6.69	-23.39	19.36	94.50	3.91
Rohn-LD31	5.05	352.72	70.70	-408.54	112.83	-8.37	27.53
Rohn-LD32	4.41	330.36	-81.21	-461.64	-136.37	-19.72	-32.68
Rohn-LE1P	13.05	23.38	-19.35	-571.98	-20.20	-82.34	-5.93
Rohn-LE11	5.04	408.54	-112.82	-346.37	-98.06	9.33	-31.64
Rohn-LE12	4.40	461.64	136.37	-310.35	129.13	22.72	39.87
Rohn-LE2P	13.05	571.98	20.19	-362.00	-13.53	31.42	1.00
Rohn-LE21	5.06	346.37	98.06	-269.28	-68.01	11.53	4.50
Rohn-LE22	4.38	310.34	-129.13	-245.60	80.64	9.69	-7.26
Rohn-LE3P	13.06	362.00	13.53	-5.90	72.44	53.45	12.90
Rohn-LE31	5.09	269.28	68.01	-570.59	334.22	-45.20	60.34
Rohn-LE32	4.34	245.60	-80.65	-680.53	-417.94	-65.32	-74.88
Rohn-LF1P	13.03	5.89	-72.44	-1676.59	-116.97	-167.01	-18.93
Rohn-LF11	4.95	570.60	-334.21	-642.47	-573.16	-7.18	-90.65
Rohn-LF12	4.53	680.52	417.95	-470.92	730.81	20.97	114.90
Rohn-LF2P	13.09	1676.59	116.96	517.01	130.29	219.29	24.72
Rohn-LF21	5.23	642.48	573.15	-674.28	652.87	-3.18	122.48
Rohn-LF22	4.16	470.91	-730.82	-851.43	-834.43	-38.06	-156.57
Rohn-LG1P	13.04	-517.01	-130.29	-1883.55	-107.11	-239.98	-23.73
Rohn-LG11	4.90	674.28	-652.87	-638.39	-673.15	3.59	-132.48

Rohn-LG12	4.57	851.42	834.43	-507.50	846.15	34.40	168.10
Rohn-LG2P	13.07	1883.55	107.10	473.35	7.41	235.61	11.45
Rohn-LG21	5.24	638.40	673.14	-905.51	752.21	-26.68	142.40
Rohn-LG22	4.16	507.48	-846.15	-857.07	-824.43	-34.97	-167.11
Rohn-LH1P	12.98	-473.36	-7.42	-2066.95	303.32	-253.94	29.58
Rohn-LH11	4.89	905.51	-752.20	-262.09	-990.15	64.28	-174.06
Rohn-LH12	4.65	857.05	824.44	-849.93	759.86	0.71	158.48
Rohn-LH2P	12.61	2066.95	-303.34	660.89	-1180.39	272.69	-148.33
Rohn-LH21	5.55	262.10	990.14	-2246.22	1620.09	-198.20	260.75
Rohn-LH22	4.31	849.92	-759.87	-127.73	-519.84	72.25	-128.02
Rohn-LI1P	13.09	-660.89	1180.39	-3561.05	4161.39	-422.04	534.00
Rohn-LI11	4.79	2246.23	-1620.07	2617.58	-3517.96	485.91	-513.31
Rohn-LI12	4.62	127.73	519.84	-4674.69	-537.38	-454.82	-1.75
Rohn-LI2P	11.26	3561.04	-4161.41	-130.31	-5750.45	342.96	-990.87
Rohn-LI21	6.36	-2617.50	3518.02	-7724.49	4438.61	-1033.20	794.90
Rohn-LI22	4.79	4674.69	537.40	2319.03	1211.62	699.59	174.96
Rohn-H1P	0.62	0.92	-3.10	1.64	-2.11	0.34	-0.69
Rohn-H11	0.07	-5.93	0.37	-5.24	-0.14	-1.49	0.03
Rohn-H12	0.35	1.94	-1.30	1.42	-1.76	0.45	-0.41
Rohn-H2P	-0.56	5.74	-4.69	4.54	-3.01	1.16	-0.87
Rohn-H21	0.34	-7.10	-0.16	-7.38	-0.47	-1.63	-0.07
Rohn-H22	-0.42	3.01	-2.35	4.29	-3.75	0.82	-0.69
SNB-LA1P	0.37	-13.03	56.01	-6.40	7.21	-3.89	12.64
SNB-LA11	-0.12	18.02	-24.33	-20.08	-7.33	-0.41	-6.33
SNB-LA12	-0.22	-56.43	-28.01	5.38	-7.58	-10.21	-7.12
SNB-LA2P	0.37	6.40	-7.21	11.26	8.74	3.53	0.31
SNB-LA21	-0.12	20.08	7.34	28.25	9.32	9.66	3.33
SNB-LA22	-0.22	-5.38	7.58	-38.81	-10.04	-8.84	-0.49
SNB-LA3P	0.37	-11.26	-8.74	-68.68	-20.16	-15.98	-5.78
SNB-LA31	-0.12	-28.25	-9.32	-56.65	-22.72	-16.97	-6.41
SNB-LA32	-0.22	38.81	10.04	21.98	36.76	12.16	9.36
SNB-LA4P	0.37	68.68	20.16	41.29	51.19	21.98	14.26
SNB-LA41	-0.11	56.65	22.72	4.18	32.48	12.16	11.03
SNB-LA42	-0.23	-21.98	-36.76	-109.93	-76.87	-26.38	-22.72
SNB-LB1P	5.37	-108.88	80.93	-167.90	-0.76	-55.34	16.03
SNB-LB11	-2.58	1.33	-69.46	-66.43	-57.11	-13.01	-25.30
SNB-LB12	-2.74	-101.50	-2.80	-59.66	63.73	-32.22	12.18
SNB-LB2P	5.37	167.90	0.77	-12.59	33.46	31.05	6.84
SNB-LB21	-2.57	66.43	57.11	-68.33	27.67	-0.38	16.95
SNB-LB22	-2.74	59.66	-63.73	-114.00	-63.11	-10.87	-25.36
SNB-LB3P	5.37	12.59	-33.46	-225.89	-66.91	-42.65	-20.07
SNB-LB31	-2.58	68.33	-27.67	-183.31	-20.40	-22.98	-9.61
SNB-LB32	-2.73	114.00	63.10	-84.84	85.59	5.83	29.73
SNB-LB4P	5.38	225.89	66.91	-24.49	163.62	40.27	46.09
SNB-LB41	-2.58	183.31	20.40	-43.25	9.99	28.00	6.07
SNB-LB42	-2.75	84.84	-85.60	-308.43	-164.70	-44.71	-50.05
SNB-LC1P	6.22	-45.00	84.48	-192.46	33.41	-35.64	17.69
SNB-LC11	-2.76	107.55	-86.95	-165.14	-16.17	-8.64	-15.47
SNB-LC12	-3.29	-42.76	2.47	-221.69	-17.40	-39.70	-2.24
SNB-LC2P	6.20	192.46	-33.41	-351.53	-72.73	-23.80	-15.88
SNB-LC21	-2.76	165.13	16.17	-221.52	-73.03	-8.44	-8.51
SNB-LC22	-3.28	221.69	17.40	-99.90	147.32	18.23	24.66
SNB-LC3P	6.24	351.53	72.73	51.84	225.67	60.54	44.79
SNB-LC31	-2.75	221.52	73.03	-75.89	71.78	21.85	21.73
SNB-LC32	-3.34	99.90	-147.32	-458.00	-296.64	-53.76	-66.66
SNB-LD1P	11.14	-110.33	278.84	-487.32	77.22	-89.71	53.44
SNB-LD11	-4.98	402.66	-293.61	-344.96	-81.90	8.66	-56.34
SNB-LD12	-5.85	-80.33	19.83	-475.95	6.48	-83.53	3.95
SNB-LD2P	11.08	487.32	-77.22	-680.62	-90.84	-28.93	-25.15
SNB-LD21	-4.95	344.95	81.90	-370.26	-174.36	-3.78	-13.83
SNB-LD22	-5.81	475.95	-6.47	-218.20	271.96	38.59	39.75
SNB-LD3P	11.15	680.62	90.83	-32.69	248.21	97.25	50.89
SNB-LD31	-4.90	370.26	174.36	-460.43	242.03	-13.53	62.47
SNB-LD32	-5.95	218.19	-271.96	-877.02	-493.71	-98.94	-114.98
SNB-LE1P	18.27	-127.27	443.54	-939.58	125.50	-160.13	85.41
SNB-LE11	-8.38	715.60	-481.17	-642.31	-169.52	11.00	-97.64

SNB-LE12	-9.45	-57.52	46.19	-859.49	47.90	-137.68	14.13
SNB-LE2P	18.18	939.58	-125.51	-1309.41	-227.45	-55.34	-52.82
SNB-LE21	-8.34	642.30	169.52	-879.55	-240.18	-35.49	-10.57
SNB-LE22	-9.41	859.48	-47.90	-492.38	479.67	54.95	64.64
SNB-LE3P	18.32	1309.41	227.44	621.27	794.11	289.79	153.33
SNB-LE31	-8.28	879.54	240.18	-310.35	522.24	85.40	114.39
SNB-LE32	-9.62	492.38	-479.67	-1655.54	-1331.95	-174.65	-272.03
SNB-LF1P	29.98	-792.32	244.33	-2839.23	-206.15	-363.03	3.83
SNB-LF11	-14.69	1010.80	-1023.19	-922.50	-1081.04	8.82	-210.26
SNB-LF12	-14.92	567.21	803.93	-595.74	1321.26	-2.86	212.54
SNB-LF2P	30.13	2839.23	206.10	1527.17	734.92	436.49	94.06
SNB-LF21	-14.10	922.51	1081.04	-454.62	1113.98	46.75	219.31
SNB-LF22	-15.68	595.72	-1321.26	-1676.24	-1881.72	-108.06	-320.35
SNB-LG1P	49.18	-1634.82	876.42	-5324.34	-211.06	-695.67	66.53
SNB-LG11	-24.09	1800.50	-1951.96	-1861.05	-1951.20	-6.05	-390.00
SNB-LG12	-24.58	233.97	1112.04	-1563.29	2220.11	-132.95	333.25
SNB-LG2P	49.19	5324.34	210.99	2330.13	1063.03	765.18	127.35
SNB-LG21	-23.16	1861.06	1951.20	-822.77	1768.23	103.74	371.62
SNB-LG22	-25.55	1563.26	-2220.11	-2576.67	-2887.98	-101.35	-510.90
SNB-LH1P	48.06	-2419.49	1049.27	-5948.61	700.40	-836.52	174.92
SNB-LH11	-23.64	2508.18	-2793.22	-977.85	-2808.76	152.90	-559.69
SNB-LH12	-23.87	604.74	1800.40	-2278.75	2180.75	-167.44	398.20
SNB-LH2P	47.09	5948.60	-700.47	2750.83	-1676.74	869.64	-237.65
SNB-LH21	-21.78	977.88	2808.77	-3811.29	3725.03	-283.08	652.75
SNB-LH22	-24.80	2278.73	-2180.76	-803.82	-2119.91	147.53	-430.19
SNB-LI1P	20.14	-2845.53	4263.78	-9234.74	8362.31	-1207.58	1262.15
SNB-LI11	-9.22	5979.24	-5031.54	4731.67	-7987.64	1070.13	-1300.75
SNB-LI12	-10.24	-1509.40	838.52	-9856.76	-281.76	-1136.80	55.68
SNB-LI2P	16.19	9234.72	-8362.33	1587.53	-10865.66	1081.87	-1922.18
SNB-LI21	-5.46	-4731.48	7987.75	-14825.12	9410.60	-1953.90	1738.26
SNB-LI22	-10.10	9856.75	281.78	4097.37	1374.05	1395.77	165.63
SNB-H1aP	0.41	40.76	-45.39	101.29	7.97	70.33	-18.53
SNB-H1bP	0.41	-101.28	-7.99	-25.26	-30.06	-62.65	-18.84
SNB-H1cP	2.21	5.75	30.63	109.54	8.55	57.08	19.40
SNB-H1dP	2.21	-109.53	-8.55	-43.81	-13.30	-75.93	-10.82
SNB-H1eP	-4.18	32.47	13.69	107.42	-17.75	69.27	-2.01
SNB-H1fP	-4.18	-107.42	17.78	-21.26	44.51	-63.71	30.84
SNB-H2aP	-6.07	134.87	-37.57	95.45	3.52	85.25	-12.60
SNB-H2bP	-6.07	-95.45	-3.54	-33.67	-20.50	-47.79	-8.90
SNB-H2cP	10.75	-16.50	24.10	105.81	6.39	33.05	11.28
SNB-H2dP	10.75	-105.80	-6.39	-164.42	-6.25	-100.01	-4.68
SNB-H2eP	-4.54	101.81	10.21	119.54	-13.61	81.93	-1.26
SNB-H2fP	-4.54	-119.55	13.62	-18.55	29.92	-51.11	16.12
SNB-H3aP	-2.03	208.03	-23.54	170.96	19.27	112.03	-1.26
SNB-H3bP	-2.03	-170.96	-19.28	-84.31	-19.43	-75.45	-11.44
SNB-H3cP	4.91	20.43	20.96	177.36	6.18	58.46	8.02
SNB-H3dP	4.91	-177.36	-6.18	-258.20	-4.51	-128.75	-3.16
SNB-H3eP	-2.97	191.18	6.46	181.59	-21.73	110.19	-4.51
SNB-H3fP	-2.97	-181.60	21.74	-77.90	19.97	-76.70	12.33
SNB-H4aP	-2.97	343.93	-16.78	346.74	21.34	169.93	1.12
SNB-H4bP	-2.97	-346.74	-21.35	-250.42	-16.54	-146.92	-9.32
SNB-H4cP	6.23	199.12	19.84	353.54	4.90	135.97	6.08
SNB-H4dP	6.24	-353.54	-4.89	-378.85	1.81	-180.20	-0.76
SNB-H4eP	-3.36	324.81	1.91	359.38	-21.41	168.33	-4.80
SNB-H4fP	-3.35	-359.38	21.42	-238.39	9.60	-147.07	7.63
SNB-H5aP	-4.43	550.66	-24.57	478.44	41.43	216.89	3.55
SNB-H5bP	-4.44	-478.44	-41.44	-267.73	-21.21	-157.26	-13.20
SNB-H5cP	9.24	117.64	27.71	488.46	6.85	127.74	7.28
SNB-H5dP	9.24	-488.45	-6.85	-676.65	2.74	-245.55	-0.86
SNB-H5eP	-4.95	524.41	4.01	497.18	-41.33	215.30	-7.86
SNB-H5fP	-4.94	-497.18	41.34	-247.81	11.17	-157.01	11.07
SNB-H6aP	-19.19	737.20	-18.64	672.49	33.69	259.80	2.78
SNB-H6bP	-19.20	-672.49	-33.70	-545.20	-15.24	-224.41	-9.02
SNB-H6cP	37.91	411.54	24.52	713.33	4.34	207.31	5.31
SNB-H6dP	37.91	-713.33	-4.32	-783.36	7.90	-275.83	0.67
SNB-H6eP	-18.81	642.52	1.19	754.47	-31.92	257.45	-5.66

SNB-H6fP	-18.80	-754.48	31.91	-462.11	0.31	-224.21	5.93
SNB-H7aP	-17.69	1007.20	-16.94	1024.00	34.71	332.58	2.92
SNB-H7bP	-17.71	-1024.00	-34.73	-936.85	-9.60	-321.06	-7.27
SNB-H7cP	34.71	862.59	20.79	1058.89	0.53	314.61	3.47
SNB-H7dP	34.71	-1058.89	-0.49	-997.63	14.80	-336.72	2.36
SNB-H7eP	-17.08	918.88	-3.06	1094.72	-34.98	329.69	-6.22
SNB-H7fP	-17.06	-1094.72	34.97	-853.79	-6.14	-319.03	4.71
SNB-H8aP	-5.18	1300.07	0.71	1295.04	41.55	382.32	6.23
SNB-H8bP	-5.21	-1295.04	-41.55	-1174.20	-15.67	-363.78	-8.43
SNB-H8cP	10.15	1094.14	16.81	1299.76	4.04	352.67	3.07
SNB-H8dP	10.15	-1299.76	-4.03	-1344.59	5.97	-389.57	0.29
SNB-H8eP	-5.02	1263.97	-4.61	1305.23	-32.77	378.49	-5.50
SNB-H8fP	-4.99	-1305.24	32.77	-1139.12	-3.26	-360.10	4.34
SNB-H9aP	-11.61	1569.56	61.64	1368.81	91.67	393.39	20.53
SNB-H9bP	-11.66	-1368.81	-91.68	-1488.68	-66.10	-382.56	-21.13
SNB-H9cP	22.92	1413.63	53.35	1384.77	49.16	374.64	13.71
SNB-H9dP	22.92	-1384.77	-49.13	-1574.60	-46.24	-396.20	-12.75
SNB-H9eP	-11.35	1498.17	34.40	1400.98	8.51	388.12	5.75
SNB-H9fP	-11.31	-1400.98	-8.52	-1417.88	-37.20	-377.37	-6.13

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

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

Joint Label	X-Displ (ft)	Y-Displ (ft)	Z-Displ (ft)	X-Rot (deg)	Y-Rot (deg)	Z-Rot (deg)	X-Pos (ft)	Y-Pos (ft)	Z-Pos (ft)
RohnAP	-0.000977	-0.0001958	-0.07783	0.0000	0.0000	0.0000	4.332	-0.0001958	179.9
RohnBP	-0.001465	-0.0001496	-0.06983	0.0001	0.0002	0.0000	5.12	-0.0001496	159.9
RohnCP	-0.001925	-0.0001159	-0.06151	0.0001	0.0004	0.0000	5.907	-0.0001159	139.9
RohnDP	-0.002354	-8.766e-005	-0.05287	0.0001	0.0003	0.0000	6.693	-8.766e-005	119.9
RohnEP	-0.002762	-5.448e-005	-0.04413	0.0001	-0.0004	0.0000	7.478	-5.448e-005	99.96
RohnFP	-0.003128	-3.141e-005	-0.03545	0.0001	-0.0013	0.0000	8.265	-3.141e-005	79.96
RohnGP	-0.003485	-1.531e-005	-0.0267	0.0000	-0.0000	0.0000	9.052	-1.531e-005	59.97
RohnHP	-0.003793	-5.795e-006	-0.01797	0.0000	0.0024	0.0000	9.837	-5.795e-006	39.98
RohnIP	-0.003763	-9.695e-007	-0.009062	0.0000	0.0197	0.0000	10.63	-9.695e-007	19.99
RohnJP	0	0	0	0.0000	0.0000	0.0000	11.42	0	0
SNB-AP	-0.0001946	-0.0001963	-0.07468	0.0001	-0.0044	-0.0000	2.333	-0.0001963	179.9
SNB-BP	-0.0006829	-0.0001495	-0.06681	0.0001	-0.0029	-0.0000	3.12	-0.0001495	159.9
SNB-CP	-0.001143	-0.0001164	-0.05885	0.0001	-0.0039	0.0000	3.907	-0.0001164	139.9
SNB-DP	-0.001573	-8.642e-005	-0.05074	0.0001	-0.0085	0.0000	4.693	-8.642e-005	119.9
SNB-EP	-0.001981	-5.461e-005	-0.0424	0.0001	-0.0055	0.0000	5.479	-5.461e-005	99.96
SNB-FP	-0.002348	-3.153e-005	-0.03417	0.0001	-0.0082	0.0000	6.266	-3.153e-005	79.97
SNB-GP	-0.002705	-1.559e-005	-0.02578	0.0000	-0.0104	0.0000	7.052	-1.559e-005	59.97
SNB-HP	-0.003013	-5.946e-006	-0.01734	0.0000	-0.0072	0.0000	7.838	-5.946e-006	39.98
SNB-IP	-0.002982	-1.131e-006	-0.008724	0.0000	0.0107	0.0000	8.625	-1.131e-006	19.99
SNB-JP	0	0	0	0.0000	0.0000	0.0000	9.415	0	0
RohnA1	0.001562	0.001269	-0.07778	-0.0003	0.0007	-0.0000	-2.165	-3.751	179.9
RohnA2	0.001562	-0.001662	-0.07777	0.0005	0.0008	0.0000	-2.165	3.751	179.9
RohnB1	0.001533	0.001581	-0.06976	-0.0001	0.0007	-0.0000	-2.559	-4.433	159.9
RohnB2	0.001533	-0.00188	-0.06974	0.0004	0.0007	0.0000	-2.559	4.433	159.9
RohnC1	0.001524	0.001877	-0.06146	0.0001	0.0004	-0.0000	-2.953	-5.115	139.9
RohnC2	0.001524	-0.00211	-0.06145	0.0001	0.0004	0.0000	-2.953	5.115	139.9
RohnD1	0.001549	0.002166	-0.05281	-0.0004	0.0003	0.0000	-3.346	-5.796	119.9
RohnD2	0.001548	-0.002339	-0.05279	0.0006	0.0003	-0.0000	-3.346	5.796	119.9
RohnE1	0.001604	0.002464	-0.0441	-0.0001	0.0006	-0.0000	-3.739	-6.476	99.96
RohnE2	0.001604	-0.002573	-0.04408	0.0003	0.0006	0.0000	-3.739	6.476	99.96
RohnF1	0.001687	0.00275	-0.03543	-0.0012	0.0009	-0.0000	-4.132	-7.158	79.96
RohnF2	0.001687	-0.002813	-0.03541	0.0013	0.0009	0.0000	-4.132	7.157	79.96
RohnG1	0.001803	0.003039	-0.02668	-0.0001	0.0001	-0.0000	-4.526	-7.839	59.97
RohnG2	0.001804	-0.00307	-0.02667	0.0001	0.0001	0.0000	-4.526	7.839	59.97
RohnH1	0.00192	0.003293	-0.01795	0.0020	-0.0011	-0.0000	-4.919	-8.519	39.98
RohnH2	0.00192	-0.003305	-0.01795	-0.0020	-0.0011	0.0000	-4.919	8.519	39.98
RohnI1	0.001886	0.00326	-0.009056	0.0170	-0.0098	-0.0000	-5.313	-9.203	19.99
RohnI2	0.001886	-0.003263	-0.009053	-0.0170	-0.0098	0.0000	-5.313	9.203	19.99
RohnJ1	0	0	0	0.0000	0.0000	0.0000	-5.71	-9.89	0
RohnJ2	0	0	0	0.0000	0.0000	0.0000	-5.71	9.89	0
SNB-A1	0.00117	0.0005919	-0.07466	-0.0042	0.0030	-0.0000	-1.165	-2.02	179.9
SNB-A2	0.00117	-0.0009844	-0.07465	0.0044	0.0030	0.0000	-1.165	2.019	179.9
SNB-B1	0.001142	0.0009042	-0.06677	-0.0029	0.0022	-0.0000	-1.559	-2.702	159.9
SNB-B2	0.001142	-0.001203	-0.06676	0.0031	0.0022	0.0000	-1.559	2.702	159.9
SNB-C1	0.001135	0.001199	-0.05881	-0.0036	0.0025	-0.0000	-1.953	-3.383	139.9
SNB-C2	0.001135	-0.001432	-0.0588	0.0038	0.0025	0.0000	-1.953	3.383	139.9
SNB-D1	0.001157	0.00149	-0.0507	-0.0075	0.0047	-0.0000	-2.346	-4.064	119.9
SNB-D2	0.001157	-0.001663	-0.05069	0.0077	0.0047	0.0000	-2.346	4.064	119.9
SNB-E1	0.001212	0.001789	-0.04237	-0.0049	0.0031	-0.0000	-2.739	-4.745	99.96
SNB-E2	0.001212	-0.001898	-0.04236	0.0050	0.0031	-0.0000	-2.739	4.745	99.96
SNB-F1	0.001298	0.002073	-0.03415	-0.0072	0.0043	-0.0000	-3.133	-5.426	79.97
SNB-F2	0.001298	-0.002137	-0.03414	0.0073	0.0043	0.0000	-3.133	5.426	79.97
SNB-G1	0.001414	0.002363	-0.02577	-0.0090	0.0053	-0.0000	-3.526	-6.107	59.97
SNB-G2	0.001414	-0.002394	-0.02576	0.0091	0.0053	0.0000	-3.526	6.107	59.97
SNB-H1	0.00153	0.002617	-0.01734	-0.0062	0.0037	-0.0000	-3.919	-6.788	39.98
SNB-H2	0.00153	-0.002629	-0.01733	0.0063	0.0037	0.0000	-3.919	6.788	39.98
SNB-I1	0.001496	0.002584	-0.00872	0.0092	-0.0053	-0.0000	-4.313	-7.469	19.99

SNB-I2	0.001496	-0.002587	-0.008717	-0.0092	-0.0053	0.0000	-4.313	7.469	19.99	
SNB-J1	0	0	0	0.0000	0.0000	0.0000	-4.708	-8.154	0	
SNB-J2	0	0	0	0.0000	0.0000	0.0000	-4.708	8.154	0	
RohnAaS	-0.001075	-0.0001897	-0.07585	0.0001	0.0006	0.0000	4.529	-0.0001897	174.9	
RohnAbS	-0.001217	-0.000172	-0.07385	0.0002	0.0004	0.0000	4.726	-0.000172	169.9	
RohnAcS	-0.001311	-0.0001588	-0.07184	0.0001	0.0006	0.0000	4.923	-0.0001588	164.9	
RohnBaS	-0.001543	-0.0001387	-0.06778	0.0001	0.0005	0.0000	5.316	-0.0001387	154.9	
RohnBbS	-0.0017	-0.0001303	-0.06574	0.0001	0.0003	0.0000	5.513	-0.0001303	149.9	
RohnBcS	-0.001761	-0.0001223	-0.06363	0.0001	0.0003	0.0000	5.71	-0.0001223	144.9	
RohnCaS	-0.00199	-0.000108	-0.05868	0.0001	-0.0005	0.0000	6.169	-0.000108	133.3	
RohnCbS	-0.002118	-9.836e-005	-0.05578	0.0001	0.0009	0.0000	6.431	-9.836e-005	126.6	
RohnDaS	-0.002385	-7.527e-005	-0.04998	0.0001	-0.0007	0.0000	6.954	-7.527e-005	113.3	
RohnDbS	-0.002532	-6.323e-005	-0.04705	0.0001	0.0012	0.0000	7.217	-6.323e-005	106.6	
RohnEaS	-0.0028	-4.588e-005	-0.04126	0.0001	-0.0003	0.0000	7.74	-4.588e-005	93.3	
RohnEbS	-0.00296	-3.834e-005	-0.03836	0.0001	0.0010	0.0000	8.003	-3.834e-005	86.62	
RohnFaS	-0.003021	-2.153e-005	-0.03108	0.0000	0.0004	0.0000	8.658	-2.153e-005	69.97	
RohnGaS	-0.003386	-9.567e-006	-0.02233	0.0000	-0.0007	0.0000	9.445	-9.567e-006	49.98	
RohnHaS	-0.003828	-2.55e-006	-0.01354	0.0000	-0.0071	0.0000	10.23	-2.55e-006	29.99	
RohnIaS	-0.005929	1.334e-007	-0.004804	0.0000	-0.0225	0.0000	11.02	1.334e-007	9.995	
SNB-AaS	-0.0002924	-0.000184	-0.07272	0.0001	0.0019	-0.0000	2.53	-0.000184	174.9	
SNB-AbS	-0.0004346	-0.0001725	-0.07076	0.0001	-0.0002	0.0000	2.727	-0.0001725	169.9	
SNB-AcS	-0.0005287	-0.00016	-0.06879	0.0001	0.0016	0.0000	2.923	-0.00016	164.9	
SNB-BaS	-0.0007604	-0.0001396	-0.06483	0.0001	0.0015	-0.0000	3.317	-0.0001396	154.9	
SNB-BbS	-0.0009182	-0.0001309	-0.06284	0.0001	-0.0002	-0.0000	3.514	-0.0001309	149.9	
SNB-BcS	-0.0009788	-0.0001233	-0.06085	0.0001	0.0016	-0.0000	3.71	-0.0001233	144.9	
SNB-CaS	-0.001208	-0.0001069	-0.05616	0.0001	0.0001	0.0000	4.169	-0.0001069	133.3	
SNB-CbS	-0.001336	-9.689e-005	-0.05344	0.0001	0.0031	0.0000	4.432	-9.689e-005	126.6	
SNB-DaS	-0.001604	-7.507e-005	-0.04797	0.0001	0.0013	0.0000	4.955	-7.507e-005	113.3	
SNB-DbS	-0.001751	-6.398e-005	-0.04518	0.0001	0.0021	0.0000	5.218	-6.398e-005	106.6	
SNB-EaS	-0.00202	-4.604e-005	-0.03966	0.0001	0.0006	0.0000	5.741	-4.604e-005	93.3	
SNB-EbS	-0.00218	-3.83e-005	-0.03691	0.0001	0.0026	0.0000	6.004	-3.83e-005	86.62	
SNB-FaS	-0.002241	-2.199e-005	-0.02998	0.0000	0.0047	0.0000	6.659	-2.199e-005	69.97	
SNB-GaS	-0.002606	-9.609e-006	-0.02157	0.0000	0.0042	0.0000	7.445	-9.609e-006	49.98	
SNB-HaS	-0.003047	-2.568e-006	-0.01307	0.0000	-0.0024	0.0000	8.231	-2.568e-006	29.99	
SNB-IaS	-0.005148	7.228e-008	-0.004733	0.0000	-0.0168	0.0000	9.016	7.228e-008	9.995	
SNB-WL-A1S	0.000488	0.0001977	-0.0748	-0.0020	-0.0007	-0.0000	0.5837	-1.01	179.9	
SNB-WL-A2S	0.00117	-0.0001963	-0.07478	0.0001	0.0030	0.0000	-1.165	-0.0001963	179.9	
SNB-WL-A3S	0.000488	-0.0005902	-0.07479	0.0023	-0.0007	0.0000	0.5837	1.01	179.9	
SNB-WL-B1S	0.0002295	0.0003775	-0.06698	-0.0014	-0.0004	-0.0000	0.7805	-1.351	159.9	
SNB-WL-B2S	0.001142	-0.0001495	-0.06695	0.0001	0.0022	0.0000	-1.559	-0.0001495	159.9	
SNB-WL-B3S	0.0002295	-0.0006764	-0.06697	0.0016	-0.0004	-0.0000	0.7805	1.351	159.9	
SNB-WL-C1S	-5.359e-006	0.0005434	-0.05925	-0.0018	-0.0007	-0.0000	0.977	-1.692	139.9	
SNB-WL-C2S	0.001137	-0.0001164	-0.05923	0.0001	0.0025	-0.0000	-1.953	-0.0001164	139.9	
SNB-WL-C3S	-5.359e-006	-0.0007762	-0.05925	0.0019	-0.0007	0.0000	0.977	1.691	139.9	
SNB-WL-D1S	-0.0002106	0.0007062	-0.0519	-0.0037	-0.0019	-0.0000	1.174	-2.032	119.9	
SNB-WL-D2S	0.001162	-8.647e-005	-0.05188	0.0001	0.0047	-0.0000	-2.346	-8.647e-005	119.9	
SNB-WL-D3S	-0.0002106	-0.0008791	-0.05189	0.0039	-0.0019	0.0000	1.174	2.032	119.9	
SNB-WL-E1S	-0.0003867	0.0008707	-0.04327	-0.0024	-0.0012	0.0000	1.37	-2.372	99.96	
SNB-WL-E2S	0.001216	-5.463e-005	-0.04325	0.0001	0.0031	-0.0000	-2.739	-5.463e-005	99.96	
SNB-WL-E3S	-0.0003867	-0.00098	-0.04326	0.0026	-0.0012	-0.0000	1.37	2.372	99.96	
SNB-WL-F1S	-0.000528	0.001027	-0.0358	-0.0036	-0.0019	-0.0000	1.566	-2.713	79.96	
SNB-WL-F2S	0.001305	-3.156e-005	-0.03579	0.0001	0.0043	-0.0000	-3.133	-3.156e-005	79.96	
SNB-WL-F3S	-0.000528	-0.00109	-0.0358	0.0037	-0.0019	0.0000	1.566	2.713	79.96	
SNB-WL-G1S	-0.0006468	0.001176	-0.02875	-0.0045	-0.0025	-0.0000	1.763	-3.054	59.97	
SNB-WL-G2S	0.001416	-1.562e-005	-0.02873	0.0000	0.0053	-0.0000	-3.526	-1.562e-005	59.97	
SNB-WL-G3S	-0.0006468	-0.001207	-0.02874	0.0046	-0.0025	0.0000	1.763	3.054	59.97	
SNB-WL-H1S	-0.0007485	0.001318	-0.02159	-0.0031	-0.0017	-0.0000	1.96	-3.394	39.98	
SNB-WL-H2S	0.001544	-5.984e-006	-0.02158	0.0000	0.0037	-0.0000	-3.919	-5.984e-006	39.98	
SNB-WL-H3S	-0.0007485	-0.00133	-0.02159	0.0031	-0.0017	0.0000	1.96	3.394	39.98	
SNB-WL-I1S	-0.0008372	0.001454	-0.01347	0.0046	0.0027	-0.0000	2.156	-3.735	19.99	
SNB-WL-I2S	0.001684	-1.165e-006	-0.01347	0.0000	-0.0053	-0.0000	-4.312	-1.165e-006	19.99	
SNB-WL-I3S	-0.0008372	-0.001457	-0.01347	-0.0046	0.0027	0.0000	2.156	3.735	19.99	
RohnAa1	0.001546	0.001323	-0.0758	0.0002	0.0005	-0.0000	-2.263	-3.922	174.9	
RohnAa2	0.001542	-0.001695	-0.07578	0.0000	0.0005	0.0000	-2.263	3.921	174.9	
RohnAb1	0.001545	0.001424	-0.0738	0.0000	0.0006	-0.0000	-2.362	-4.092	169.9	
RohnAb2	0.001545	-0.001768	-0.07377	0.0003	0.0006	-0.0000	-2.362	4.092	169.9	

RohnAc1	0.001526	0.001475	-0.07178	0.0002	0.0004	-0.0000	-2.46	-4.263	164.9
RohnAc2	0.001528	-0.001796	-0.07176	0.0001	0.0005	0.0000	-2.46	4.263	164.9
RohnBa1	0.001504	0.001622	-0.06772	0.0001	0.0005	-0.0000	-2.657	-4.604	154.9
RohnBa2	0.001505	-0.001901	-0.0677	0.0001	0.0005	0.0000	-2.657	4.604	154.9
RohnBb1	0.001522	0.001731	-0.06567	-0.0001	0.0005	-0.0000	-2.756	-4.774	149.9
RohnBb2	0.001522	-0.001992	-0.06566	0.0003	0.0006	0.0000	-2.756	4.774	149.9
RohnBc1	0.001494	0.001758	-0.06357	0.0000	0.0005	-0.0000	-2.855	-4.945	144.9
RohnBc2	0.001495	-0.002004	-0.06356	0.0001	0.0005	0.0000	-2.855	4.945	144.9
RohnCa1	0.001494	0.001902	-0.05863	-0.0007	0.0008	-0.0000	-3.084	-5.342	133.3
RohnCa2	0.001494	-0.002116	-0.05861	0.0009	0.0008	0.0000	-3.084	5.342	133.3
RohnCb1	0.001491	0.001987	-0.05572	0.0007	0.0001	-0.0000	-3.215	-5.569	126.6
RohnCb2	0.00149	-0.002182	-0.0557	-0.0005	0.0001	0.0000	-3.215	5.569	126.6
RohnDa1	0.001506	0.002172	-0.04993	-0.0006	0.0008	-0.0000	-3.477	-6.023	113.3
RohnDa2	0.001506	-0.002323	-0.0499	0.0008	0.0008	0.0000	-3.477	6.022	113.3
RohnDb1	0.001528	0.002284	-0.04701	0.0008	-0.0002	-0.0000	-3.608	-6.25	106.6
RohnDb2	0.001529	-0.002412	-0.04699	-0.0006	-0.0002	-0.0000	-3.608	6.25	106.6
RohnEa1	0.001583	0.002487	-0.04122	-0.0005	0.0005	-0.0000	-3.87	-6.703	93.3
RohnEa2	0.001584	-0.00258	-0.0412	0.0006	0.0005	0.0000	-3.87	6.703	93.3
RohnEb1	0.001632	0.002613	-0.03832	0.0008	-0.0003	-0.0000	-4.001	-6.931	86.62
RohnEb2	0.001633	-0.00269	-0.03831	-0.0007	-0.0003	0.0000	-4.001	6.931	86.62
RohnFa1	0.001598	0.002647	-0.03105	0.0003	-0.0000	-0.0000	-4.329	-7.498	69.97
RohnFa2	0.001599	-0.002692	-0.03104	-0.0002	-0.0000	0.0000	-4.329	7.498	69.97
RohnGa1	0.001732	0.002946	-0.02232	-0.0007	0.0005	-0.0000	-4.722	-8.179	49.98
RohnGa2	0.001732	-0.002966	-0.02231	0.0007	0.0005	0.0000	-4.722	8.179	49.98
RohnHa1	0.001925	0.00332	-0.01353	-0.0062	0.0036	-0.0000	-5.116	-8.861	29.99
RohnHa2	0.001926	-0.003326	-0.01353	0.0062	0.0036	0.0000	-5.116	8.861	29.99
RohnIa1	0.002965	0.005136	-0.004801	-0.0195	0.0112	-0.0000	-5.51	-9.543	9.995
RohnIa2	0.002965	-0.005136	-0.0048	0.0195	0.0112	0.0000	-5.51	9.543	9.995
SNB-Aa1	0.001151	0.0006483	-0.07269	0.0013	-0.0002	-0.0000	-1.264	-2.19	174.9
SNB-Aa2	0.001152	-0.001017	-0.07268	-0.0010	-0.0002	0.0000	-1.264	2.19	174.9
SNB-Ab1	0.001154	0.000746	-0.07073	-0.0004	0.0009	-0.0000	-1.362	-2.361	169.9
SNB-Ab2	0.001154	-0.001091	-0.07072	0.0007	0.0009	0.0000	-1.362	2.361	169.9
SNB-Ac1	0.001132	0.0007994	-0.06875	0.0010	0.0000	-0.0000	-1.461	-2.531	164.9
SNB-Ac2	0.001133	-0.00112	-0.06874	-0.0008	0.0000	0.0000	-1.461	2.531	164.9
SNB-Ba1	0.001115	0.0009435	-0.06479	0.0009	0.0000	-0.0000	-1.658	-2.872	154.9
SNB-Ba2	0.001115	-0.001223	-0.06478	-0.0007	0.0000	0.0000	-1.658	2.872	154.9
SNB-Bb1	0.001132	0.001053	-0.0628	-0.0005	0.0008	-0.0000	-1.756	-3.043	149.9
SNB-Bb2	0.001132	-0.001315	-0.06279	0.0007	0.0008	0.0000	-1.756	3.042	149.9
SNB-Bc1	0.001105	0.00108	-0.06081	0.0011	-0.0002	-0.0000	-1.855	-3.213	144.9
SNB-Bc2	0.001105	-0.001326	-0.0608	-0.0009	-0.0002	0.0000	-1.855	3.213	144.9
SNB-Ca1	0.0011	0.001227	-0.05613	-0.0002	0.0005	-0.0000	-2.084	-3.61	133.3
SNB-Ca2	0.0011	-0.001441	-0.05611	0.0003	0.0005	0.0000	-2.084	3.61	133.3
SNB-Cb1	0.001099	0.001311	-0.05341	0.0024	-0.0010	-0.0000	-2.215	-3.838	126.6
SNB-Cb2	0.001099	-0.001505	-0.0534	-0.0022	-0.0010	0.0000	-2.215	3.838	126.6
SNB-Da1	0.001116	0.001496	-0.04794	0.0010	-0.0002	-0.0000	-2.477	-4.291	113.3
SNB-Da2	0.001116	-0.001646	-0.04793	-0.0008	-0.0002	0.0000	-2.477	4.291	113.3
SNB-Db1	0.001139	0.001607	-0.04515	0.0016	-0.0006	-0.0000	-2.608	-4.518	106.6
SNB-Db2	0.00114	-0.001735	-0.04514	-0.0014	-0.0006	0.0000	-2.608	4.518	106.6
SNB-Ea1	0.001194	0.001811	-0.03964	0.0004	-0.0000	-0.0000	-2.87	-4.972	93.3
SNB-Ea2	0.001195	-0.001903	-0.03963	-0.0003	-0.0000	0.0000	-2.87	4.972	93.3
SNB-Eb1	0.001242	0.001938	-0.03689	0.0021	-0.0010	-0.0000	-3.002	-5.199	86.62
SNB-Eb2	0.001242	-0.002015	-0.03688	-0.0020	-0.0010	0.0000	-3.002	5.199	86.62
SNB-Fa1	0.001208	0.001971	-0.02996	0.0040	-0.0022	-0.0000	-3.33	-5.767	69.97
SNB-Fa2	0.001209	-0.002017	-0.02995	-0.0039	-0.0022	0.0000	-3.33	5.767	69.97
SNB-Ga1	0.001342	0.002271	-0.02156	0.0036	-0.0020	-0.0000	-3.723	-6.448	49.98
SNB-Ga2	0.001342	-0.002291	-0.02155	-0.0036	-0.0020	0.0000	-3.723	6.448	49.98
SNB-Ha1	0.001535	0.002644	-0.01307	-0.0021	0.0013	-0.0000	-4.116	-7.129	29.99
SNB-Ha2	0.001535	-0.00265	-0.01306	0.0022	0.0013	0.0000	-4.116	7.129	29.99
SNB-Ia1	0.002574	0.004459	-0.004731	-0.0145	0.0084	-0.0000	-4.508	-7.808	9.995
SNB-Ia2	0.002575	-0.00446	-0.00473	0.0146	0.0084	0.0000	-4.508	7.808	9.995

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

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

RohnJP	7.18	0.0	-0.00	0.0	20.24	0.0	0.0	21.48	0.0	0.00	0.0	5.8	0.0	0.00	0.0	0.0
SNB-JP	15.22	0.0	-0.00	0.0	19.71	0.0	0.0	24.90	0.0	0.00	0.0	10.9	0.0	0.00	0.0	0.0
RohnJ1	-3.59	0.0	-6.22	0.0	20.13	0.0	0.0	21.38	0.0	4.98	0.0	-2.9	0.0	-0.00	0.0	0.0
RohnJ2	-3.59	0.0	6.22	0.0	20.08	0.0	0.0	21.33	0.0	-4.98	0.0	-2.9	0.0	0.00	0.0	0.0
SNB-J1	-7.61	0.0	-13.18	0.0	19.62	0.0	0.0	24.83	0.0	9.42	0.0	-5.4	0.0	-0.00	0.0	0.0
SNB-J2	-7.61	0.0	13.18	0.0	19.57	0.0	0.0	24.79	0.0	-9.42	0.0	-5.4	0.0	0.00	0.0	0.0

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

Joint Label	X External Load (kips)	Y External Load (kips)	Z External Load (kips)	X Member Force (kips)	Y Member Force (kips)	Z Member Force (kips)	X Disp. (ft)	Y Disp. (ft)	Z Disp. (ft)
RohnAP	0.0000	0.0000	-0.5163	0.0000	-0.0000	0.5163	-0.0010	-0.0002	-0.0778
RohnBP	0.0000	0.0000	-0.6990	0.0000	-0.0000	0.6990	-0.0015	-0.0001	-0.0698
RohnCP	0.0000	0.0000	-0.9164	0.0000	-0.0000	0.9164	-0.0019	-0.0001	-0.0615
RohnDP	0.0000	0.0000	-1.5344	0.0000	-0.0000	1.5344	-0.0024	-0.0001	-0.0529
RohnEP	0.0000	0.0000	-0.8607	0.0000	-0.0000	0.8607	-0.0028	-0.0001	-0.0441
RohnFP	0.0000	0.0000	-1.1597	0.0000	-0.0000	1.1597	-0.0031	-0.0000	-0.0355
RohnGP	0.0000	0.0000	-1.3973	0.0000	-0.0000	1.3973	-0.0035	-0.0000	-0.0267
RohnHP	0.0000	0.0000	-1.5256	0.0000	-0.0000	1.5256	-0.0038	-0.0000	-0.0180
RohnIP	0.0000	0.0000	-1.7796	0.0000	-0.0000	1.7796	-0.0038	-0.0000	-0.0091
RohnJP	0.0000	0.0000	-0.9782	-7.1833	0.0003	-19.2608	0.0000	0.0000	0.0000
SNB-AP	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	-0.0002	-0.0002	-0.0747
SNB-BP	0.0000	0.0000	-0.3242	0.0000	-0.0000	0.3242	-0.0007	-0.0001	-0.0668
SNB-CP	0.0000	0.0000	-0.5084	0.0000	-0.0000	0.5084	-0.0011	-0.0001	-0.0588
SNB-DP	0.0000	0.0000	-0.6945	0.0000	-0.0000	0.6945	-0.0016	-0.0001	-0.0507
SNB-EP	0.0000	0.0000	-0.8607	0.0000	-0.0000	0.8607	-0.0020	-0.0001	-0.0424
SNB-FP	0.0000	0.0000	-1.1382	0.0000	-0.0000	1.1382	-0.0023	-0.0000	-0.0342
SNB-GP	0.0000	0.0000	-1.3973	0.0000	-0.0000	1.3973	-0.0027	-0.0000	-0.0258
SNB-HP	0.0000	0.0000	-1.5256	0.0000	-0.0000	1.5256	-0.0030	-0.0000	-0.0173
SNB-IP	0.0000	0.0000	-1.7596	0.0000	-0.0000	1.7596	-0.0030	-0.0000	-0.0087
SNB-JP	0.0000	0.0000	-0.9782	-15.2223	0.0007	-18.7294	0.0000	0.0000	0.0000
RohnA1	0.0000	0.0000	-0.5671	0.0000	-0.0000	0.5671	0.0016	0.0013	-0.0778
RohnA2	0.0000	0.0000	-0.7492	0.0000	-0.0000	0.7492	0.0016	-0.0017	-0.0778
RohnB1	0.0000	0.0000	-0.4690	0.0000	-0.0000	0.4690	0.0015	0.0016	-0.0698
RohnB2	0.0000	0.0000	-0.4090	0.0000	-0.0000	0.4090	0.0015	-0.0019	-0.0697
RohnC1	0.0000	0.0000	-1.0764	0.0000	-0.0000	1.0764	0.0015	0.0019	-0.0615
RohnC2	0.0000	0.0000	-1.1654	0.0000	-0.0000	1.1654	0.0015	-0.0021	-0.0615
RohnD1	0.0000	0.0000	-1.5344	0.0000	-0.0000	1.5344	0.0015	0.0022	-0.0528
RohnD2	0.0000	0.0000	-1.5344	0.0000	-0.0000	1.5344	0.0015	-0.0023	-0.0528
RohnE1	0.0000	0.0000	-0.8607	0.0000	-0.0000	0.8607	0.0016	0.0025	-0.0441
RohnE2	0.0000	0.0000	-0.8607	0.0000	-0.0000	0.8607	0.0016	-0.0026	-0.0441
RohnF1	0.0000	0.0000	-1.2092	0.0000	-0.0000	1.2092	0.0017	0.0027	-0.0354
RohnF2	0.0000	0.0000	-1.1597	0.0000	-0.0000	1.1597	0.0017	-0.0028	-0.0354
RohnG1	0.0000	0.0000	-1.4173	0.0000	-0.0000	1.4173	0.0018	0.0030	-0.0267
RohnG2	0.0000	0.0000	-1.4173	0.0000	-0.0000	1.4173	0.0018	-0.0031	-0.0267
RohnH1	0.0000	0.0000	-1.5256	0.0000	-0.0000	1.5256	0.0019	0.0033	-0.0180
RohnH2	0.0000	0.0000	-1.5256	0.0000	-0.0000	1.5256	0.0019	-0.0033	-0.0179
RohnI1	0.0000	0.0000	-1.7596	0.0000	-0.0000	1.7596	0.0019	0.0033	-0.0091
RohnI2	0.0000	0.0000	-1.7596	0.0000	-0.0000	1.7596	0.0019	-0.0033	-0.0091
RohnJ1	0.0000	0.0000	-0.9782	3.5918	6.2233	-19.1564	0.0000	0.0000	0.0000
RohnJ2	0.0000	0.0000	-0.9782	3.5928	-6.2242	-19.1013	0.0000	0.0000	0.0000
SNB-A1	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0012	0.0006	-0.0747
SNB-A2	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0012	-0.0010	-0.0746
SNB-B1	0.0000	0.0000	-0.3242	0.0000	-0.0000	0.3242	0.0011	0.0009	-0.0668
SNB-B2	0.0000	0.0000	-0.3242	0.0000	-0.0000	0.3242	0.0011	-0.0012	-0.0668
SNB-C1	0.0000	0.0000	-0.5084	0.0000	-0.0000	0.5084	0.0011	0.0012	-0.0588
SNB-C2	0.0000	0.0000	-0.5084	0.0000	-0.0000	0.5084	0.0011	-0.0014	-0.0588
SNB-D1	0.0000	0.0000	-0.6945	0.0000	-0.0000	0.6945	0.0012	0.0015	-0.0507
SNB-D2	0.0000	0.0000	-0.6945	0.0000	-0.0000	0.6945	0.0012	-0.0017	-0.0507
SNB-E1	0.0000	0.0000	-0.8607	0.0000	-0.0000	0.8607	0.0012	0.0018	-0.0424
SNB-E2	0.0000	0.0000	-0.8607	0.0000	-0.0000	0.8607	0.0012	-0.0019	-0.0424
SNB-F1	0.0000	0.0000	-1.1382	0.0000	-0.0000	1.1382	0.0013	0.0021	-0.0342

SNB-F2	0.0000	0.0000	-1.1382	0.0000	-0.0000	1.1382	0.0013	-0.0021	-0.0341
SNB-G1	0.0000	0.0000	-1.3973	0.0000	-0.0000	1.3973	0.0014	0.0024	-0.0258
SNB-G2	0.0000	0.0000	-1.3973	0.0000	-0.0000	1.3973	0.0014	-0.0024	-0.0258
SNB-H1	0.0000	0.0000	-1.5256	0.0000	-0.0000	1.5256	0.0015	0.0026	-0.0173
SNB-H2	0.0000	0.0000	-1.5256	0.0000	-0.0000	1.5256	0.0015	-0.0026	-0.0173
SNB-I1	0.0000	0.0000	-1.7596	0.0000	0.0000	1.7596	0.0015	0.0026	-0.0087
SNB-I2	0.0000	0.0000	-1.7596	0.0000	-0.0000	1.7596	0.0015	-0.0026	-0.0087
SNB-J1	0.0000	0.0000	-0.9782	7.6098	13.1844	-18.6408	0.0000	0.0000	0.0000
SNB-J2	0.0000	0.0000	-0.9782	7.6105	-13.1843	-18.5912	0.0000	0.0000	0.0000
RohnAaS	0.0000	0.0000	-0.3647	0.0000	-0.0000	0.3647	-0.0011	-0.0002	-0.0759
RohnAbS	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	-0.0012	-0.0002	-0.0739
RohnAcS	0.0000	0.0000	-0.1547	0.0000	-0.0000	0.1547	-0.0013	-0.0002	-0.0718
RohnBaS	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	-0.0015	-0.0001	-0.0678
RohnBbS	0.0000	0.0000	-1.1644	0.0000	-0.0000	1.1644	-0.0017	-0.0001	-0.0657
RohnBcS	0.0000	0.0000	-0.2644	0.0000	-0.0000	0.2644	-0.0018	-0.0001	-0.0636
RohnCaS	0.0000	0.0000	-1.0982	0.0000	-0.0000	1.0982	-0.0020	-0.0001	-0.0587
RohnCbS	0.0000	0.0000	-0.4890	0.0000	-0.0000	0.4890	-0.0021	-0.0001	-0.0558
RohnDaS	0.0000	0.0000	-0.6205	0.0000	-0.0000	0.6205	-0.0024	-0.0001	-0.0500
RohnDbS	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	-0.0025	-0.0001	-0.0471
RohnEaS	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	-0.0028	-0.0000	-0.0413
RohnEbS	0.0000	0.0000	-0.5601	0.0000	-0.0000	0.5601	-0.0030	-0.0000	-0.0384
RohnFaS	0.0000	0.0000	-0.6531	0.0000	-0.0000	0.6531	-0.0030	-0.0000	-0.0311
RohnGaS	0.0000	0.0000	-0.7442	0.0000	-0.0000	0.7442	-0.0034	-0.0000	-0.0223
RohnHaS	0.0000	0.0000	-0.7814	0.0000	-0.0000	0.7814	-0.0038	-0.0000	-0.0135
RohnIaS	0.0000	0.0000	-0.9782	0.0000	-0.0000	0.9782	-0.0059	0.0000	-0.0048
SNB-AaS	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	-0.0003	-0.0002	-0.0727
SNB-AbS	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	-0.0004	-0.0002	-0.0708
SNB-AcS	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	-0.0005	-0.0002	-0.0688
SNB-BaS	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	-0.0008	-0.0001	-0.0648
SNB-BbS	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	-0.0009	-0.0001	-0.0628
SNB-BcS	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	-0.0010	-0.0001	-0.0608
SNB-CaS	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	-0.0012	-0.0001	-0.0562
SNB-CbS	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	-0.0013	-0.0001	-0.0534
SNB-DaS	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	-0.0016	-0.0001	-0.0480
SNB-DbS	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	-0.0018	-0.0001	-0.0452
SNB-EaS	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	-0.0020	-0.0000	-0.0397
SNB-EbS	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	-0.0022	-0.0000	-0.0369
SNB-FaS	0.0000	0.0000	-0.6531	0.0000	-0.0000	0.6531	-0.0022	-0.0000	-0.0300
SNB-GaS	0.0000	0.0000	-0.7442	0.0000	-0.0000	0.7442	-0.0026	-0.0000	-0.0216
SNB-HaS	0.0000	0.0000	-0.7814	0.0000	-0.0000	0.7814	-0.0030	-0.0000	-0.0131
SNB-IaS	0.0000	0.0000	-0.9782	0.0000	-0.0000	0.9782	-0.0051	0.0000	-0.0047
SNB-WL-A1S	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0005	0.0002	-0.0748
SNB-WL-A2S	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0012	-0.0002	-0.0748
SNB-WL-A3S	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0005	-0.0006	-0.0748
SNB-WL-B1S	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0002	0.0004	-0.0670
SNB-WL-B2S	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0011	-0.0001	-0.0670
SNB-WL-B3S	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0002	-0.0007	-0.0670
SNB-WL-C1S	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	-0.0000	0.0005	-0.0593
SNB-WL-C2S	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0011	-0.0001	-0.0592
SNB-WL-C3S	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	-0.0000	-0.0008	-0.0592
SNB-WL-D1S	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	-0.0002	0.0007	-0.0519
SNB-WL-D2S	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	0.0012	-0.0001	-0.0519
SNB-WL-D3S	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	-0.0002	-0.0009	-0.0519
SNB-WL-E1S	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	-0.0004	0.0009	-0.0433
SNB-WL-E2S	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	0.0012	-0.0001	-0.0432
SNB-WL-E3S	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	-0.0004	-0.0010	-0.0433
SNB-WL-F1S	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	-0.0005	0.0010	-0.0358
SNB-WL-F2S	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	0.0013	-0.0000	-0.0358
SNB-WL-F3S	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	-0.0005	-0.0011	-0.0358
SNB-WL-G1S	0.0000	0.0000	-0.6531	0.0000	-0.0000	0.6531	-0.0006	0.0012	-0.0287
SNB-WL-G2S	0.0000	0.0000	-0.6531	0.0000	-0.0000	0.6531	0.0014	-0.0000	-0.0287
SNB-WL-G3S	0.0000	0.0000	-0.6531	0.0000	-0.0000	0.6531	-0.0006	-0.0012	-0.0287
SNB-WL-H1S	0.0000	0.0000	-0.7442	0.0000	-0.0000	0.7442	-0.0007	0.0013	-0.0216
SNB-WL-H2S	0.0000	0.0000	-0.7442	0.0000	-0.0000	0.7442	0.0015	-0.0000	-0.0216
SNB-WL-H3S	0.0000	0.0000	-0.7442	0.0000	-0.0000	0.7442	-0.0007	-0.0013	-0.0216
SNB-WL-I1S	0.0000	0.0000	-0.7814	0.0000	-0.0000	0.7814	-0.0008	0.0015	-0.0135

SNB-WL-I2S	0.0000	0.0000	-0.7814	0.0000	-0.0000	0.7814	0.0017	-0.0000	-0.0135
SNB-WL-I3S	0.0000	0.0000	-0.7814	0.0000	-0.0000	0.7814	-0.0008	-0.0015	-0.0135
RohnAa1	0.0000	0.0000	-0.2045	0.0000	-0.0000	0.2045	0.0015	0.0013	-0.0758
RohnAa2	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0015	-0.0017	-0.0758
RohnAb1	0.0000	0.0000	-0.3547	0.0000	-0.0000	0.3547	0.0015	0.0014	-0.0738
RohnAb2	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0015	-0.0018	-0.0738
RohnAc1	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0015	0.0015	-0.0718
RohnAc2	0.0000	0.0000	-0.2272	0.0000	-0.0000	0.2272	0.0015	-0.0018	-0.0718
RohnBa1	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0015	0.0016	-0.0677
RohnBa2	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0015	-0.0019	-0.0677
RohnBb1	0.0000	0.0000	-1.1444	0.0000	-0.0000	1.1444	0.0015	0.0017	-0.0657
RohnBb2	0.0000	0.0000	-1.1444	0.0000	-0.0000	1.1444	0.0015	-0.0020	-0.0657
RohnBc1	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0015	0.0018	-0.0636
RohnBc2	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0015	-0.0020	-0.0636
RohnCa1	0.0000	0.0000	-1.1232	0.0000	-0.0000	1.1232	0.0015	0.0019	-0.0586
RohnCa2	0.0000	0.0000	-1.1712	0.0000	-0.0000	1.1712	0.0015	-0.0021	-0.0586
RohnCb1	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	0.0015	0.0020	-0.0557
RohnCb2	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	0.0015	-0.0022	-0.0557
RohnDa1	0.0000	0.0000	-0.5355	0.0000	-0.0000	0.5355	0.0015	0.0022	-0.0499
RohnDa2	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	0.0015	-0.0023	-0.0499
RohnDb1	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	0.0015	0.0023	-0.0470
RohnDb2	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	0.0015	-0.0024	-0.0470
RohnEa1	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	0.0016	0.0025	-0.0412
RohnEa2	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	0.0016	-0.0026	-0.0412
RohnEb1	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	0.0016	0.0026	-0.0383
RohnEb2	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	0.0016	-0.0027	-0.0383
RohnFa1	0.0000	0.0000	-0.6531	0.0000	-0.0000	0.6531	0.0016	0.0026	-0.0311
RohnFa2	0.0000	0.0000	-0.6531	0.0000	-0.0000	0.6531	0.0016	-0.0027	-0.0310
RohnGa1	0.0000	0.0000	-0.7442	0.0000	-0.0000	0.7442	0.0017	0.0029	-0.0223
RohnGa2	0.0000	0.0000	-0.7442	0.0000	-0.0000	0.7442	0.0017	-0.0030	-0.0223
RohnHa1	0.0000	0.0000	-0.7814	0.0000	-0.0000	0.7814	0.0019	0.0033	-0.0135
RohnHa2	0.0000	0.0000	-0.7814	0.0000	-0.0000	0.7814	0.0019	-0.0033	-0.0135
RohnIa1	0.0000	0.0000	-0.9782	0.0000	-0.0000	0.9782	0.0030	0.0051	-0.0048
RohnIa2	0.0000	0.0000	-0.9782	0.0000	-0.0000	0.9782	0.0030	-0.0051	-0.0048
SNB-Aa1	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0012	0.0006	-0.0727
SNB-Aa2	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0012	-0.0010	-0.0727
SNB-Ab1	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0012	0.0007	-0.0707
SNB-Ab2	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0012	-0.0011	-0.0707
SNB-Ac1	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0011	0.0008	-0.0688
SNB-Ac2	0.0000	0.0000	-0.1347	0.0000	-0.0000	0.1347	0.0011	-0.0011	-0.0687
SNB-Ba1	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0011	0.0009	-0.0648
SNB-Ba2	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0011	-0.0012	-0.0648
SNB-Bb1	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0011	0.0011	-0.0628
SNB-Bb2	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0011	-0.0013	-0.0628
SNB-Bc1	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0011	0.0011	-0.0608
SNB-Bc2	0.0000	0.0000	-0.1894	0.0000	-0.0000	0.1894	0.0011	-0.0013	-0.0608
SNB-Ca1	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	0.0011	0.0012	-0.0561
SNB-Ca2	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	0.0011	-0.0014	-0.0561
SNB-Cb1	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	0.0011	0.0013	-0.0534
SNB-Cb2	0.0000	0.0000	-0.3190	0.0000	-0.0000	0.3190	0.0011	-0.0015	-0.0534
SNB-Da1	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	0.0011	0.0015	-0.0479
SNB-Da2	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	0.0011	-0.0016	-0.0479
SNB-Db1	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	0.0011	0.0016	-0.0452
SNB-Db2	0.0000	0.0000	-0.3755	0.0000	-0.0000	0.3755	0.0011	-0.0017	-0.0451
SNB-Ea1	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	0.0012	0.0018	-0.0396
SNB-Ea2	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	0.0012	-0.0019	-0.0396
SNB-Eb1	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	0.0012	0.0019	-0.0369
SNB-Eb2	0.0000	0.0000	-0.4851	0.0000	-0.0000	0.4851	0.0012	-0.0020	-0.0369
SNB-Fa1	0.0000	0.0000	-0.6531	0.0000	-0.0000	0.6531	0.0012	0.0020	-0.0300
SNB-Fa2	0.0000	0.0000	-0.6531	0.0000	-0.0000	0.6531	0.0012	-0.0020	-0.0300
SNB-Ga1	0.0000	0.0000	-0.7442	0.0000	-0.0000	0.7442	0.0013	0.0023	-0.0216
SNB-Ga2	0.0000	0.0000	-0.7442	0.0000	-0.0000	0.7442	0.0013	-0.0023	-0.0215
SNB-Ha1	0.0000	0.0000	-0.7814	0.0000	-0.0000	0.7814	0.0015	0.0026	-0.0131
SNB-Ha2	0.0000	0.0000	-0.7814	0.0000	-0.0000	0.7814	0.0015	-0.0027	-0.0131
SNB-Ia1	0.0000	0.0000	-0.9782	0.0000	-0.0000	0.9782	0.0026	0.0045	-0.0047
SNB-Ia2	0.0000	0.0000	-0.9782	0.0000	-0.0000	0.9782	0.0026	-0.0045	-0.0047

Moments for Angles Modeled as Beams:

Angle Label	Torsion (ft-lbs)	Origin X Moment (ft-lbs)	Origin Y Moment (ft-lbs)	End X Moment (ft-lbs)	End Y Moment (ft-lbs)	X Shear (lbs)	Y Shear (lbs)
Rohn-LA1P	0.00	0.00	-0.08	-0.59	-3.01	-0.12	-0.62
Rohn-LA11	0.00	-0.09	0.06	-3.11	1.04	-0.64	0.22
Rohn-LA12	-0.00	0.15	0.09	2.74	1.51	0.58	0.32
Rohn-LA2P	0.00	0.59	3.02	0.30	4.30	0.18	1.46
Rohn-LA21	0.00	3.11	-1.04	4.26	-1.67	1.47	-0.54
Rohn-LA22	-0.00	-2.74	-1.51	-3.99	-1.86	-1.35	-0.67
Rohn-LA3P	0.00	-0.30	-4.30	0.16	-5.70	-0.03	-2.00
Rohn-LA31	-0.00	-4.26	1.67	-5.18	2.53	-1.89	0.84
Rohn-LA32	-0.00	3.99	1.86	5.22	2.37	1.84	0.85
Rohn-LA4P	0.00	-0.16	5.70	-0.19	8.01	-0.07	2.74
Rohn-LA41	-0.00	5.18	-2.52	6.92	-3.93	2.42	-1.29
Rohn-LA42	-0.00	-5.22	-2.36	-6.89	-3.69	-2.42	-1.21
Rohn-LB1P	-0.00	0.19	-8.13	0.24	-10.97	0.09	-3.82
Rohn-LB11	0.00	-6.97	3.95	-9.32	6.00	-3.26	1.99
Rohn-LB12	-0.00	6.93	3.71	9.47	5.81	3.28	1.90
Rohn-LB2P	-0.00	-0.24	10.97	-0.06	13.25	-0.06	4.84
Rohn-LB21	0.00	9.32	-6.00	11.23	-6.62	4.11	-2.52
Rohn-LB22	-0.00	-9.47	-5.81	-11.18	-6.51	-4.13	-2.46
Rohn-LB3P	-0.00	0.07	-13.25	0.13	-13.99	0.04	-5.45
Rohn-LB31	0.00	-11.23	6.62	-12.19	7.27	-4.68	2.78
Rohn-LB32	-0.00	11.18	6.52	12.36	7.21	4.71	2.75
Rohn-LB4P	-0.00	-0.13	13.99	0.01	13.62	-0.02	5.52
Rohn-LB41	0.00	12.19	-7.27	11.89	-6.31	4.81	-2.71
Rohn-LB42	-0.00	-12.36	-7.21	-11.94	-6.36	-4.86	-2.71
Rohn-LC1P	-0.00	-0.01	-13.61	-0.10	-4.74	-0.02	-2.75
Rohn-LC11	0.00	-11.89	6.31	-4.13	1.77	-2.40	1.21
Rohn-LC12	-0.00	11.94	6.36	4.07	1.84	2.40	1.23
Rohn-LC2P	-0.00	0.10	4.74	-0.01	-9.22	0.01	-0.67
Rohn-LC21	0.00	4.13	-1.76	-9.67	5.26	-0.83	0.52
Rohn-LC22	-0.00	-4.07	-1.84	9.59	5.24	0.83	0.51
Rohn-LC3P	-0.00	0.01	9.22	-0.13	14.94	-0.02	3.63
Rohn-LC31	0.00	9.67	-5.26	19.89	-7.57	4.44	-1.93
Rohn-LC32	-0.00	-9.59	-5.24	-20.04	-7.53	-4.45	-1.92
Rohn-LD1P	-0.00	0.13	-14.93	-0.03	-7.42	0.01	-3.35
Rohn-LD11	0.00	-19.89	7.57	-15.05	3.86	-5.24	1.71
Rohn-LD12	-0.00	20.05	7.53	15.23	3.91	5.30	1.72
Rohn-LD2P	-0.00	0.03	7.42	0.46	-6.57	0.07	0.13
Rohn-LD21	0.00	15.05	-3.86	-12.47	3.97	0.39	0.02
Rohn-LD22	-0.00	-15.23	-3.91	12.75	3.82	-0.37	-0.01
Rohn-LD3P	-0.00	-0.46	6.57	-0.15	18.45	-0.09	3.76
Rohn-LD31	0.00	12.47	-3.97	30.03	-9.72	6.38	-2.06
Rohn-LD32	-0.00	-12.75	-3.82	-29.83	-9.57	-6.39	-2.01
Rohn-LE1P	-0.00	0.15	-18.45	0.20	-20.48	0.05	-5.84
Rohn-LE11	0.00	-30.03	9.72	-20.72	11.81	-7.62	3.23
Rohn-LE12	-0.00	29.83	9.57	20.89	11.71	7.61	3.19
Rohn-LE2P	-0.00	-0.20	20.48	0.06	-13.53	-0.02	1.04
Rohn-LE21	0.00	20.72	-11.80	-11.56	6.56	1.37	-0.78
Rohn-LE22	-0.00	-20.89	-11.71	11.66	6.54	-1.38	-0.77
Rohn-LE3P	-0.00	-0.06	13.53	-0.07	70.76	-0.02	12.65
Rohn-LE31	0.00	11.56	-6.56	60.88	-34.77	10.87	-6.20
Rohn-LE32	-0.00	-11.66	-6.54	-60.63	-34.55	-10.85	-6.17
Rohn-LF1P	-0.00	0.07	-70.75	0.48	-115.56	0.06	-18.63
Rohn-LF11	0.00	-60.88	34.78	-99.77	58.77	-16.06	9.35
Rohn-LF12	-0.00	60.63	34.55	100.09	58.40	16.07	9.29
Rohn-LF2P	-0.00	-0.48	115.56	-0.15	126.34	-0.06	24.18
Rohn-LF21	0.00	99.77	-58.77	108.69	-63.05	20.84	-12.18
Rohn-LF22	-0.00	-100.09	-58.40	-108.42	-62.72	-20.84	-12.11
Rohn-LG1P	-0.00	0.15	-126.34	0.33	-103.03	0.05	-22.93
Rohn-LG11	0.00	-108.69	63.05	-88.88	52.31	-19.75	11.53

Rohn-LG12	-0.00	108.42	62.72	89.09	52.06	19.74	11.47
Rohn-LG2P	-0.00	-0.33	103.03	-0.08	1.83	-0.04	10.48
Rohn-LG21	0.00	88.88	-52.31	0.98	-0.77	8.98	-5.31
Rohn-LG22	-0.00	-89.09	-52.05	-0.72	-0.53	-8.98	-5.26
Rohn-LH1P	-0.00	0.08	-1.83	0.27	308.33	0.03	30.64
Rohn-LH11	0.00	-0.98	0.77	267.29	-153.60	26.62	-15.28
Rohn-LH12	-0.00	0.72	0.54	-267.12	-153.82	-26.63	-15.32
Rohn-LH2P	-0.00	-0.27	-308.33	-0.07	-1186.76	-0.03	-149.46
Rohn-LH21	0.00	-267.29	153.61	-1028.21	593.85	-129.51	74.72
Rohn-LH22	-0.00	267.12	153.82	1028.46	594.08	129.52	74.77
Rohn-LI1P	-0.00	0.07	1186.76	0.47	4165.90	0.05	535.08
Rohn-LI11	0.00	1028.21	-593.84	3607.55	-2082.80	463.42	-267.57
Rohn-LI12	-0.00	-1028.46	-594.07	-3607.18	-2083.13	-463.40	-267.63
Rohn-LI2P	-0.00	-0.47	-4165.90	-0.31	-5754.49	-0.08	-991.72
Rohn-LI21	0.00	-3607.52	2082.85	-4983.35	2878.33	-858.81	495.96
Rohn-LI22	-0.00	3607.15	2083.18	4983.38	2878.70	858.78	496.03
Rohn-H1P	0.00	-0.06	-0.00	0.07	-0.00	0.00	-0.00
Rohn-H11	0.01	-0.05	0.00	0.10	0.00	0.01	0.00
Rohn-H12	-0.01	-0.10	-0.00	0.04	-0.00	-0.01	-0.00
Rohn-H2P	-0.00	-0.06	-0.00	0.02	-0.00	-0.00	-0.00
Rohn-H21	-0.00	-0.04	-0.00	0.03	-0.00	-0.00	-0.00
Rohn-H22	0.00	-0.01	0.00	0.07	0.00	0.01	0.00
SNB-LA1P	-0.00	0.05	53.84	0.09	9.54	0.03	12.67
SNB-LA11	0.00	46.45	-26.84	7.99	-4.68	10.88	-6.30
SNB-LA12	0.00	-46.50	-26.92	-8.09	-4.84	-10.91	-6.35
SNB-LA2P	-0.00	-0.09	-9.54	-0.12	4.69	-0.04	-0.97
SNB-LA21	0.00	-7.99	4.68	4.28	-2.46	-0.74	0.44
SNB-LA22	0.00	8.09	4.84	-4.21	-2.27	0.78	0.51
SNB-LA3P	-0.00	0.12	-4.69	0.16	-16.74	0.06	-4.28
SNB-LA31	0.00	-4.28	2.46	-14.46	8.46	-3.75	2.18
SNB-LA32	0.00	4.21	2.28	14.49	8.30	3.74	2.11
SNB-LA4P	-0.00	-0.16	16.74	-0.03	48.26	-0.04	12.99
SNB-LA41	0.00	14.46	-8.46	41.59	-24.02	11.21	-6.49
SNB-LA42	0.00	-14.49	-8.29	-41.39	-23.87	-11.17	-6.43
SNB-LB1P	-0.00	0.04	76.64	0.18	-0.59	0.04	15.20
SNB-LB11	0.01	66.17	-38.05	-0.60	0.91	13.11	-7.43
SNB-LB12	-0.01	-66.29	-38.17	0.80	0.82	-13.09	-7.47
SNB-LB2P	-0.00	-0.18	0.59	0.09	30.13	-0.02	6.14
SNB-LB21	0.01	0.60	-0.91	25.87	-14.67	5.29	-3.11
SNB-LB22	-0.01	-0.80	-0.82	-25.67	-14.65	-5.29	-3.09
SNB-LB3P	-0.00	-0.09	-30.13	0.10	-62.01	0.00	-18.42
SNB-LB31	0.01	-25.87	14.67	-53.88	31.65	-15.94	9.26
SNB-LB32	-0.01	25.67	14.66	54.19	31.71	15.97	9.27
SNB-LB4P	-0.00	-0.10	62.01	-0.07	157.88	-0.03	43.96
SNB-LB41	0.01	53.88	-31.65	136.56	-79.06	38.07	-22.13
SNB-LB42	-0.01	-54.19	-31.70	-136.85	-79.14	-38.19	-22.16
SNB-LC1P	-0.00	0.00	86.61	-0.05	34.67	-0.01	18.20
SNB-LC11	0.00	75.18	-43.36	29.88	-17.11	15.77	-9.08
SNB-LC12	-0.00	-75.21	-43.39	-29.94	-17.10	-15.78	-9.08
SNB-LC2P	-0.00	0.05	-34.67	-0.01	-74.05	0.01	-16.27
SNB-LC21	0.00	-29.88	17.11	-64.04	37.28	-14.05	8.14
SNB-LC22	-0.00	29.94	17.10	63.92	37.22	14.05	8.13
SNB-LC3P	-0.00	0.01	74.06	-0.07	226.52	-0.01	45.12
SNB-LC31	0.00	64.04	-37.28	195.59	-113.08	38.97	-22.57
SNB-LC32	-0.00	-63.92	-37.22	-195.65	-113.02	-38.96	-22.55
SNB-LD1P	-0.00	0.12	278.27	0.02	75.69	0.02	53.13
SNB-LD11	0.01	241.37	-139.31	65.09	-37.23	46.00	-26.50
SNB-LD12	-0.01	-241.06	-139.27	-64.85	-37.11	-45.92	-26.47
SNB-LD2P	-0.00	-0.02	-75.69	0.21	-90.51	0.03	-24.87
SNB-LD21	0.01	-65.09	37.23	-77.94	46.03	-21.40	12.46
SNB-LD22	-0.01	64.85	37.11	78.04	45.85	21.38	12.41
SNB-LD3P	-0.00	-0.20	90.51	0.06	246.82	-0.02	50.63
SNB-LD31	0.01	77.94	-46.02	212.38	-122.84	43.58	-25.35
SNB-LD32	-0.01	-78.04	-45.85	-211.92	-122.64	-43.52	-25.29
SNB-LE1P	-0.01	-0.01	444.78	0.21	124.82	0.03	85.50
SNB-LE11	0.03	386.51	-223.09	108.94	-61.36	74.37	-42.69

SNB-LE12	-0.02	-386.76	-223.22	-108.61	-61.41	-74.35	-42.72
SNB-LE2P	-0.01	-0.21	-124.82	0.29	-227.63	0.01	-52.74
SNB-LE21	0.03	-108.94	61.36	-198.13	115.03	-45.95	26.40
SNB-LE22	-0.02	108.61	61.41	198.44	114.87	45.95	26.38
SNB-LE3P	-0.01	-0.29	227.63	-0.10	792.00	-0.06	153.04
SNB-LE31	0.03	198.13	-115.02	685.23	-396.06	132.59	-76.71
SNB-LE32	-0.02	-198.44	-114.87	-684.79	-395.70	-132.57	-76.63
SNB-LF1P	-0.01	0.13	245.32	0.56	-204.90	0.07	4.04
SNB-LF11	0.01	213.17	-122.96	-176.82	104.08	3.63	-1.89
SNB-LF12	-0.01	-213.54	-123.32	177.16	103.63	-3.64	-1.97
SNB-LF2P	-0.01	-0.56	204.90	-0.25	729.15	-0.08	93.37
SNB-LF21	0.01	176.82	-104.08	630.05	-364.95	80.66	-46.89
SNB-LF22	-0.01	-177.16	-103.62	-629.64	-364.42	-80.65	-46.79
SNB-LG1P	-0.01	0.25	884.58	0.88	-202.63	0.11	68.17
SNB-LG11	0.02	767.36	-442.49	-174.48	103.70	59.27	-33.87
SNB-LG12	-0.01	-767.83	-443.05	175.09	103.04	-59.25	-33.99
SNB-LG2P	-0.01	-0.88	202.63	-0.32	1051.30	-0.12	125.35
SNB-LG21	0.02	174.48	-103.70	908.68	-526.13	108.28	-62.96
SNB-LG22	-0.01	-175.09	-103.04	-908.20	-525.49	-108.29	-62.83
SNB-LH1P	-0.01	0.32	1063.32	0.78	711.89	0.11	177.46
SNB-LH11	0.01	922.33	-531.84	617.37	-354.20	153.92	-88.57
SNB-LH12	-0.01	-922.83	-532.49	-616.90	-354.83	-153.92	-88.70
SNB-LH2P	-0.01	-0.78	-711.89	-0.33	-1690.74	-0.11	-240.18
SNB-LH21	0.01	-617.37	354.21	-1465.55	845.73	-208.22	119.95
SNB-LH22	-0.01	616.90	354.83	1466.02	846.37	208.22	120.08
SNB-LI1P	-0.00	0.32	4279.50	1.04	8372.72	0.14	1264.76
SNB-LI11	0.01	3707.12	-2140.90	7250.59	-4186.00	1095.37	-632.46
SNB-LI12	-0.00	-3707.63	-2141.56	-7249.82	-4186.74	-1095.34	-632.60
SNB-LI2P	-0.00	-1.04	-8372.72	-0.60	-10874.78	-0.16	-1924.13
SNB-LI21	0.01	-7250.54	4186.09	-9417.57	5439.64	-1666.27	962.26
SNB-LI22	-0.00	7249.76	4186.84	9417.69	5440.40	1666.21	962.41
SNB-H1aP	0.03	31.04	-0.20	105.05	-0.20	67.39	-0.20
SNB-H1bP	0.03	-105.05	0.20	-30.98	0.21	-67.36	0.20
SNB-H1cP	-0.02	30.99	-0.21	105.07	-0.19	67.37	-0.20
SNB-H1dP	-0.02	-105.07	0.19	-31.00	0.20	-67.37	0.19
SNB-H1eP	-0.01	31.04	-0.21	105.00	-0.22	67.36	-0.21
SNB-H1fP	-0.01	-105.00	0.22	-31.09	0.20	-67.38	0.21
SNB-H2aP	-0.02	72.11	0.12	110.15	0.13	67.46	0.09
SNB-H2bP	-0.02	-110.15	-0.13	-71.64	-0.13	-67.28	-0.10
SNB-H2cP	0.00	71.94	0.12	110.11	0.13	67.38	0.09
SNB-H2dP	0.00	-110.11	-0.13	-71.89	-0.12	-67.36	-0.09
SNB-H2eP	0.02	71.61	0.13	110.15	0.12	67.27	0.09
SNB-H2fP	0.02	-110.15	-0.12	-72.13	-0.12	-67.47	-0.09
SNB-H3aP	-0.00	141.22	1.24	179.09	1.23	94.68	0.73
SNB-H3bP	-0.00	-179.09	-1.23	-141.28	-1.24	-94.70	-0.73
SNB-H3cP	0.00	141.13	1.25	179.09	1.27	94.65	0.74
SNB-H3dP	0.00	-179.09	-1.27	-141.39	-1.24	-94.73	-0.74
SNB-H3eP	0.00	141.41	1.24	179.10	1.24	94.74	0.73
SNB-H3fP	0.00	-179.09	-1.24	-141.09	-1.24	-94.64	-0.73
SNB-H4aP	0.00	291.39	1.86	356.58	1.86	159.43	0.91
SNB-H4bP	0.00	-356.58	-1.86	-291.26	-1.87	-159.39	-0.92
SNB-H4cP	0.00	291.42	1.86	356.59	1.88	159.43	0.92
SNB-H4dP	0.00	-356.59	-1.88	-291.22	-1.86	-159.39	-0.92
SNB-H4eP	-0.00	291.16	1.86	356.59	1.87	159.37	0.92
SNB-H4fP	-0.00	-356.58	-1.87	-291.49	-1.86	-159.45	-0.92
SNB-H5aP	-0.02	399.26	2.87	491.40	2.87	187.71	1.21
SNB-H5bP	-0.02	-491.40	-2.87	-399.23	-2.88	-187.70	-1.21
SNB-H5cP	-0.00	399.38	2.85	491.35	2.86	187.73	1.20
SNB-H5dP	-0.00	-491.35	-2.86	-399.21	-2.86	-187.69	-1.21
SNB-H5eP	0.02	399.15	2.88	491.39	2.88	187.69	1.21
SNB-H5fP	0.02	-491.39	-2.88	-399.35	-2.86	-187.73	-1.21
SNB-H6aP	-0.03	598.89	3.47	716.61	3.46	242.44	1.28
SNB-H6bP	-0.03	-716.61	-3.46	-599.00	-3.47	-242.46	-1.28
SNB-H6cP	-0.01	599.05	3.48	716.54	3.52	242.45	1.29
SNB-H6dP	-0.01	-716.54	-3.52	-598.99	-3.48	-242.44	-1.29
SNB-H6eP	0.03	598.98	3.47	716.60	3.47	242.45	1.28

SNB-H6fP	0.03	-716.60	-3.47	-598.93	-3.47	-242.44	-1.28
SNB-H7aP	-0.01	931.69	1.15	1062.14	1.15	326.46	0.38
SNB-H7bP	-0.01	-1062.14	-1.15	-931.82	-1.15	-326.48	-0.38
SNB-H7cP	-0.00	931.77	1.14	1062.12	1.17	326.47	0.38
SNB-H7dP	-0.00	-1062.12	-1.17	-931.80	-1.15	-326.48	-0.38
SNB-H7eP	0.01	931.85	1.15	1062.14	1.16	326.49	0.38
SNB-H7fP	0.01	-1062.14	-1.16	-931.69	-1.15	-326.46	-0.38
SNB-H8aP	0.00	1220.88	4.77	1301.88	4.77	371.66	1.40
SNB-H8bP	0.00	-1301.88	-4.77	-1220.93	-4.77	-371.66	-1.40
SNB-H8cP	0.00	1220.89	4.78	1301.89	4.79	371.66	1.41
SNB-H8dP	0.00	-1301.89	-4.79	-1220.92	-4.77	-371.66	-1.41
SNB-H8eP	-0.00	1220.95	4.77	1301.88	4.77	371.67	1.41
SNB-H8fP	-0.00	-1301.88	-4.77	-1220.86	-4.77	-371.65	-1.41
SNB-H9aP	0.00	1494.63	50.26	1385.92	50.26	385.64	13.46
SNB-H9bP	-0.00	-1385.92	-50.26	-1494.68	-50.26	-385.65	-13.46
SNB-H9cP	0.00	1494.65	50.27	1385.92	50.28	385.65	13.46
SNB-H9dP	-0.00	-1385.92	-50.28	-1494.68	-50.26	-385.65	-13.46
SNB-H9eP	0.01	1494.71	50.26	1385.92	50.27	385.65	13.46
SNB-H9fP	-0.00	-1385.92	-50.27	-1494.61	-50.26	-385.64	-13.46

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

Group Summary (Compression Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Comp. %	Comp. Control Member	Comp. Force (kips)	Comp. Control Load Case	L/R Capacity (kips)	Comp. Conn. Shear Capacity (kips)	Comp. Conn. Bearing Capacity (kips)	RLX	RLY	RLZ	L/R	Length Comp. Member (ft)	Curve No.	No. Of Bolts Comp.
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	36.0	60.37	60.37	Rohn-DA61	-2.567	W+I 0 deg	3.189	16.200	8.156	0.500	0.500	0.500	170.38	9.740	4	1
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	86.74	86.74	Rohn-DB61	-4.423	W+I 0 deg	3.824	16.200	8.156	0.500	0.500	0.500	166.50	10.934	4	1
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	77.36	77.36	Rohn-DC21	-6.148	W+I 0 deg	5.960	16.200	8.156	0.500	0.500	0.500	150.33	12.402	4	1
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	67.98	67.98	Rohn-DE51	-7.808	W+I 90 deg	8.615	16.200	12.187	0.500	0.500	0.500	157.99	15.589	4	1
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	73.73	73.73	Rohn-DG31	-8.756	W+I 90 deg	8.907	16.200	12.187	0.500	0.500	0.500	168.33	19.470	4	1
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	60.63	58.29	Rohn-DI21	-8.750	W+I 0 deg	11.259	16.200	12.187	0.500	0.500	0.500	160.41	21.254	4	1
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	15.30	15.30	Rohn-LA4P	-13.814	W+I 0 deg	67.718	0.000	0.000	1.000	1.000	1.000	52.67	5.004	1	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	34.80	34.80	Rohn-LB4P	-39.879	W+I 0 deg	85.952	0.000	0.000	1.000	1.000	1.000	45.84	5.004	1	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	61.50	61.50	Rohn-LC3P	-80.485	W+I 0 deg	98.153	0.000	0.000	1.000	1.000	1.000	54.04	6.665	1	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	9.20	9.20	Rohn-H12	-0.659	W+I 60 deg	5.372	0.000	0.000	0.500	0.500	0.500	131.28	7.505	4	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	12.21	12.21	SNB-DA82	-2.150	W+I -90 de	13.207	16.200	13.594	0.500	0.500	0.500	111.38	7.240	1	1
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	23.83	23.83	SNB-DB51	-2.944	W+I 90 deg	9.268	16.200	10.875	0.500	0.500	0.500	122.92	8.011	4	1
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	43.15	43.15	SNB-DD62	-6.396	W+I -90 de	11.119	16.200	13.594	0.500	0.500	0.500	140.03	11.412	4	1
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	41.55	41.55	SNB-DE11	-8.976	W+I 90 deg	27.855	16.200	21.750	0.500	0.500	0.500	121.07	11.784	4	1
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	27.51	27.51	SNB-DF22	-8.801	W+I -90 de	41.102	24.000	26.100	0.500	0.500	0.500	115.20	15.014	1	1
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	37.89	36.55	SNB-DH11	-11.697	W+I 90 deg	39.490	24.000	32.625	0.500	0.500	0.500	132.03	17.142	4	1
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	75.06	71.43	SNB-DI11	-22.858	W+I 90 deg	66.757	24.000	32.625	0.500	0.500	0.500	112.06	18.267	1	1
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	12.32	12.32	SNB-LA4P	-12.346	W+I 0 deg	75.146	0.000	0.000	1.000	1.000	1.000	55.09	5.004	1	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	46.47	46.47	SNB-LC3P	-68.406	W+I 0 deg	110.397	0.000	0.000	1.000	1.000	1.000	56.33	6.665	1	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	72.46	72.46	SNB-LD3P	-104.592	W+I 0 deg	108.266	0.000	0.000	1.000	1.000	1.000	43.23	6.665	1	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	77.77	77.77	SNB-LF2P	-197.715	W+I 0 deg	190.683	0.000	0.000	1.000	1.000	1.000	55.86	10.008	1	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	91.08	91.08	SNB-LH2P	-296.167	W+I 0 deg	243.879	0.000	0.000	1.000	1.000	1.000	41.70	10.008	1	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	85.80	85.80	SNB-LI2P	-363.175	W+I 0 deg	317.480	0.000	0.000	1.000	1.000	1.000	33.08	10.008	1	0
Connect	Connect Towers	BIG	0.1X0.1XI	36.0	0.04	0.01	Connect E1	-3.207	W+I 60 deg	17203.103	0.000	0.000	1.000	1.000	1.000	2.40	2.000	1	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	1.41	1.20	SNB-H3dP	-1.274	W+I 0 deg	79.736	0.000	0.000	1.000	1.000	1.000	37.01	3.384	1	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	6.70	2.14	SNB-H8dP	-3.138	W+I 0 deg	109.782	0.000	0.000	1.000	1.000	1.000	57.38	6.791	1	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	57.03	57.03	Rohn-DB82	-5.139	W+I -90 de	6.759	16.200	16.312	0.500	0.500	0.500	173.34	11.238	4	1
WLAC-1	Wind Lacing 1	SAE	2X2X0.25	36.0	2.42	2.42	SNB-WL-D1P	-0.291	W+I 60 deg	9.011	0.000	0.000	1.000	1.000	1.000	124.79	4.066	4	0
WLAC-2	Wind Lacing 2	SAE	2.5X2.5X0.3125	36.0	3.62	3.62	SNB-WL-I1P	-0.313	W+I 60 deg	6.485	0.000	0.000	1.000	1.000	1.000	183.36	7.472	4	0
Rohn-D3a	Rohn Diagonal 3a	SAE	2.5X2.5X0.25	36.0	90.44	90.44	Rohn-DC51	-8.265	W+I 90 deg	6.854	16.200	10.875	0.500	0.500	0.500	161.02	13.177	4	1
Rohn-D4a	Rohn Diagonal 4a	SAE	2.5X2.5X0.3125	36.0	89.15	89.15	Rohn-DD11	-9.348	W+I 90 deg	7.864	16.200	13.594	0.500	0.500	0.500	166.51	13.570	4	1
Rohn-L8a	Rohn Leg 8a	EXP-1	MOD-P8STD	50.0	68.40	68.40	Rohn-LI1P	-285.040	W+I 0 deg	312.544	0.000	0.000	1.000	1.000	1.000	41.84	10.008	1	0
Rohn-L7a	Rohn Leg 7a	EXP-2	MOD-P6SCH80	50.0	75.74	75.74	Rohn-LG2P	-240.810	W+I 0 deg	238.476	0.000	0.000	1.000	1.000	1.000	56.12	10.008	1	0
Rohn-L6a	Rohn Leg 6a	EXP-3	MOD-P6STD	50.0	70.09	70.09	Rohn-LF1P	-183.332	W+I 0 deg	196.191	0.000	0.000	1.000	1.000	1.000	55.74	10.008	1	0
Rohn-L5a	Rohn Leg 5a	EXP-4	MOD-P5SCH80	50.0	65.93	65.93	Rohn-LE3P	-166.261	W+I 0 deg	189.152	0.000	0.000	1.000	1.000	1.000	45.23	6.665	1	0
Rohn-L4a	Rohn Leg 4a	EXP-5	MOD-P5STD	50.0	82.46	82.46	Rohn-LD3P	-129.428	W+I 0 deg	117.722	0.000	0.000	1.000	1.000	1.000	73.81	6.665	1	0
Rohn-D4b	Rohn Diagonal 4b	SAE	2.5X2.5X0.375	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-D3b	Rohn Diagonal 3b	SAE	2.5X2.5X0.3125	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-L3a	Rohn Leg 3a	EXP-6	MOD-P4SCH80	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0
Rohn-D2a	Rohn Diagonal 2a	SAE	2X2X0.25	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000	0	0

Group Summary (Tension Portion):

Group Label	Group Desc.	Angle Type	Angle Size	Steel Strength (ksi)	Max Usage %	Max Use In Tens. %	Tension Control Member	Tension Force (kips)	Tension Control Load Case	Net Section Capacity (kips)	Tens. Conn. Shear Capacity (kips)	Tens. Conn. Bearing Capacity (kips)	Tens. Conn. Rupture Capacity (kips)	Length Tens. Member (ft)	No. Of Bolts Tens.	No. Of Holes	Hole Diameter (in)
Rohn-D1	Rohn Diagonal 1	SAE	1.75X1.75X0.1875	36.0	60.37	20.64	Rohn-DA72	2.245W+I	90 deg	10.681	16.200	8.156	8.684	10.034	1	1.000	0.6875
Rohn-D2	Rohn Diagonal 2	SAE	2X2X0.1875	36.0	86.74	39.63	Rohn-DB5P	4.309W+I	60 deg	12.639	16.200	8.156	9.527	10.934	1	1.000	0.6875
Rohn-D3	Rohn Diagonal 3	SAE	2.5X2.5X0.1875	36.0	77.36	51.77	Rohn-DC1P	5.630W+I	60 deg	16.815	16.200	8.156	10.195	12.402	1	1.000	0.6875
Rohn-D4	Rohn Diagonal 4	SAE	2.5X2.5X0.25	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-D5	Rohn Diagonal 5	SAE	3X3X0.25	50.0	67.98	45.45	Rohn-DE51	7.385W+I	-90 de	30.910	16.200	12.187	15.234	15.589	1	1.000	0.6875
Rohn-D6	Rohn Diagonal 6	SAE	3.5X3.5X0.25	50.0	73.73	57.95	Rohn-DF42	9.416W+I	90 deg	37.004	16.200	12.187	15.234	18.315	1	1.000	0.6875
Rohn-D7	Rohn Diagonal 7	SAE	4X4X0.25	50.0	60.63	60.63	Rohn-DI42	9.852W+I	90 deg	43.098	16.200	12.187	15.234	21.860	1	1.000	0.6875
Rohn-L1	Rohn Leg 1	Pipe	Pipe3EH	50.0	15.30	9.67	Rohn-LA42	10.944W+I	-60 de	84.900	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L2	Rohn Leg 2	Pipe	Pipe3.5EH	50.0	34.80	22.96	Rohn-LB42	31.596W+I	-60 de	103.200	0.000	0.000	0.000	5.004	0	0.000	0
Rohn-L3	Rohn Leg 3	Pipe	Pipe4EH	50.0	61.50	39.24	Rohn-LC31	64.980W+I	60 deg	124.200	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L4	Rohn Leg 4	Pipe	Pipe5STD	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L5	Rohn Leg 5	Pipe	Pipe5EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L6	Rohn Leg 6	Pipe	Pipe6EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L7	Rohn Leg 7	Pipe	Pipe6EH	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L8	Rohn Leg 8	Pipe	Pipe8EHS	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-H1	Rohn Horizontal 1	SAE	1.75X1.75X0.1875	36.0	9.20	5.04	Rohn-H11	0.900	W+I 0 deg	13.392	0.000	0.000	0.000	7.505	0	0.000	0
SNB-D1	SNB Diagonal 1	SAE	2X2X0.3125	36.0	12.21	11.93	SNB-DA82	2.162W+I	90 deg	20.340	16.200	13.594	15.879	7.240	1	1.000	0.6875
SNB-D2	SNB Diagonal 2	SAE	2X2X0.25	36.0	23.83	20.89	SNB-DB51	3.029W+I	-90 de	16.707	16.200	10.875	12.703	8.011	1	1.000	0.6875
SNB-D3	SNB Diagonal 3	SAE	2.5X2.5X0.3125	36.0	43.15	33.81	SNB-DD62	6.129W+I	90 deg	27.082	16.200	13.594	16.992	11.412	1	1.000	0.6875
SNB-D4	SNB Diagonal 4	SAE	3X3X0.5	36.0	41.55	41.38	SNB-DE11	8.937W+I	-90 de	52.336	16.200	21.750	27.187	11.784	1	1.000	0.6875
SNB-D5	SNB Diagonal 5	SAE	4X4X0.5	36.0	27.51	27.16	SNB-DF22	8.691W+I	90 deg	72.726	24.000	26.100	32.625	15.014	1	1.000	0.8125
SNB-D6	SNB Diagonal 6	SAE	4X4X0.625	36.0	37.89	37.89	SNB-DH42	12.123W+I	90 deg	89.222	24.000	32.625	40.781	17.700	1	1.000	0.8125
SNB-D7	SNB Diagonal 7	SAE	5X5X0.625	36.0	75.06	75.06	SNB-DI42	24.017W+I	90 deg	116.410	24.000	32.625	40.781	18.841	1	1.000	0.8125
SNB-L1	SNB Leg 1	Pipe	P3-437	36.0	12.32	8.71	SNB-LA42	10.532W+I	-60 de	90.720	0.000	0.000	0.000	5.004	0	0.000	0
SNB-L2	SNB Leg 2	Pipe	P4-494	36.0	46.47	32.76	SNB-LC31	58.592W+I	60 deg	134.136	0.000	0.000	0.000	6.665	0	0.000	0
SNB-L3	SNB Leg 3	Pipe	Pipe5EH	36.0	72.46	54.13	SNB-LD32	89.173W+I	-60 de	123.552	0.000	0.000	0.000	6.665	0	0.000	0
SNB-L4	SNB Leg 4	Pipe	P6-562	36.0	77.77	53.75	SNB-LF22	165.644W+I	-60 de	231.120	0.000	0.000	0.000	10.008	0	0.000	0
SNB-L5	SNB Leg 5	Pipe	Pipe8XS	36.0	91.08	65.40	SNB-LH22	241.099W+I	-60 de	276.480	0.000	0.000	0.000	10.008	0	0.000	0
SNB-L6	SNB Leg 6	Pipe	Pipe10XS	36.0	85.80	59.67	SNB-LI22	276.679W+I	-60 de	347.759	0.000	0.000	0.000	10.008	0	0.000	0
Connect	Connect Towers	BIG	0.1X0.1X1	36.0	0.04	0.04	Connect IP	8.329	W+I 0 deg	17279.973	0.000	0.000	0.000	2.002	0	0.000	0
SNB-H1	SNB Horizontal 1	Pipe	P3-425	36.0	1.41	1.41	SNB-H4eP	1.662W+I	60 deg	88.668	0.000	0.000	0.000	4.066	0	0.000	0
SNB-H2	SNB Horizontal 2	Pipe	P4-494	36.0	6.70	6.70	SNB-H9aP	11.988W+I	-60 de	134.136	0.000	0.000	0.000	7.472	0	0.000	0
Rohn-D8	Rohn Diagonal 8	SAE	2X2X0.375	36.0	57.03	22.88	Rohn-DB7P	4.943	W+I 0 deg	23.973	16.200	16.312	19.055	11.238	1	1.000	0.6875
WLAC-1	Wind Lacing 1	SAE	2X2X0.25	36.0	2.42	1.31	SNB-WL-D3P	0.355	W+I 0 deg	20.304	0.000	0.000	0.000	4.066	0	0.000	0
WLAC-2	Wind Lacing 2	SAE	2.5X2.5X0.3125	36.0	3.62	1.05	SNB-WL-G3P	0.442	W+I 0 deg	31.536	0.000	0.000	0.000	6.110	0	0.000	0
Rohn-D3a	Rohn Diagonal 3a	SAE	2.5X2.5X0.25	36.0	90.44	54.09	Rohn-DC51	7.842W+I	-90 de	22.144	16.200	10.875	13.594	13.177	1	1.000	0.6875
Rohn-D4a	Rohn Diagonal 4a	SAE	2.5X2.5X0.3125	36.0	89.15	49.83	Rohn-DD11	9.031W+I	-90 de	27.082	16.200	13.594	16.992	13.570	1	1.000	0.6875
Rohn-L8a	Rohn Leg 8a	EXP-1	MOD-P8STD	50.0	68.40	47.66	Rohn-LI22	233.014W+I	-60 de	366.683	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L7a	Rohn Leg 7a	EXP-2	MOD-P6SCH80	50.0	75.74	53.92	Rohn-LH22	220.078W+I	-60 de	306.144	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L6a	Rohn Leg 6a	EXP-3	MOD-P6STD	50.0	70.09	49.56	Rohn-LF22	165.964W+I	-60 de	251.187	0.000	0.000	0.000	10.008	0	0.000	0
Rohn-L5a	Rohn Leg 5a	EXP-4	MOD-P5SCH80	50.0	65.93	45.00	Rohn-LE32	135.772W+I	-60 de	226.293	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-L4a	Rohn Leg 4a	EXP-5	MOD-P5STD	50.0	82.46	45.39	Rohn-LD32	105.699W+I	-60 de	174.651	0.000	0.000	0.000	6.665	0	0.000	0
Rohn-D4b	Rohn Diagonal 4b	SAE	2.5X2.5X0.375	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-D3b	Rohn Diagonal 3b	SAE	2.5X2.5X0.3125	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-L3a	Rohn Leg 3a	EXP-6	MOD-P4SCH80	50.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0
Rohn-D2a	Rohn Diagonal 2a	SAE	2X2X0.25	36.0	0.00	0.00		0.000		0.000	0.000	0.000	0.000	0.000	0	0.000	0

*** Maximum Stress Summary for Each Load Case

Summary of Maximum Usages by Load Case:

Load Case	Maximum Usage %	Element Label	Element Type
W+I -90 deg	90.30	Rohn-DC62	Angle
W+I -60 deg	79.40	Rohn-DC52	Angle

W+I 0 deg	91.08	SNB-LH2P	Angle
W+I 60 deg	80.62	Rohn-DB61	Angle
W+I 90 deg	90.44	Rohn-DC51	Angle
DL + Ice Only	30.56	SNB-DI32	Angle

*** Weight of structure (lbs):

Weight of Angles*Section DLF:	65652.0
Weight of Equipment:	13037.5
Total:	78689.5

*** End of Report

CONNECTION BETWEEN TOWERS EVALUATION

AECOM

Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	NSS-036	Page	of
Description	Tower Connection	Computed by	MCD	Sheet 1	of 1
		Checked by		Date 09/16/15	Date

Bolt Diameter

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

Bolt Shear Capacity

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

Shear Plane Area

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

Yield Strength of Plate

$Fy_{plate} := 36ksi$

Plate Capacity

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

U-Bolt Size

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

U-Bolt Area

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

$Fy_{ubolt} := 58ksi$

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

Connection Capacity

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

$Capacity_{connection} = 5.3 \cdot kip$

Max Connection Spacing

$Spacing := 5ft$

Connection Capacity per Foot

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

Max Connection Force

$F_{max} := 8.329kip$

Connection Spacing in PLS-Tower

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

Connection Force per Foot

$Force_{LF} := \frac{F_{max}}{Spacing_{PLS.Tower}}$ $Force_{LF} = 0.8329 \cdot kip$

Percent Capacity

$Percent_{capacity} := \frac{Force_{LF}}{Capacity_{LF}}$ $Percent_{capacity} = 78.6 \cdot \%$

FOUNDATION EVALUATION

AECOM

Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	NSS-035	Page / Sheet	of
Description	Overturning Moment Calculation	Computed by	MCD	Date	09/17/15
		Checked by		Date	

From PLS-Tower Output Summary

Summary of Joint Support Reactions For All Load Cases:

Load Case	Joint Label	Long. Force (kips)	Tran. Force (kips)	Vert. Force (kips)	Shear Force (kips)	Tran. Moment (ft-k)	Long. Moment (ft-k)	Vert. Moment (ft-k)	Bending Moment (ft-k)	Found. Usage %
W+I -90 deg	RohnJP	7.26	1.84	20.23	7.49	-0.13	5.75	0.01	5.75	0
W+I -90 deg	SNB-JP	15.29	3.77	19.73	15.74	1.59	10.87	0.08	10.98	0
W+I -90 deg	RohnJ1	4.06	8.5	250.86	9.42	2.32	-1.21	0	2.62	0
W+I -90 deg	RohnJ2	-11.3	21.08	-210.74	23.92	-7.73	-4.44	0.01	8.91	0
W+I -90 deg	SNB-J1	5.24	12.86	302.63	13.89	4.1	-1.37	-0.04	4.32	0
W+I -90 deg	SNB-J2	-20.54	39.3	-263.36	44.35	-14.83	-9.41	-0.04	17.56	0
W+I -60 deg	RohnJP	-2.12	1.5	150.5	2.59	-0.02	3.98	0.01	3.98	0
W+I -60 deg	SNB-JP	-1.03	3.16	179.31	3.33	1.42	7.13	0.07	7.27	0
W+I -60 deg	RohnJ1	-0.11	2.5	150.39	2.51	3.48	-1.93	0	3.98	0
W+I -60 deg	RohnJ2	-13.06	22.47	-240.53	25.99	-8.04	-4.69	0	9.31	0
W+I -60 deg	SNB-J1	-2.22	2.47	179.23	3.32	6.89	-2.33	-0.07	7.27	0
W+I -60 deg	SNB-J2	-23.94	41.48	-299.54	47.89	-15.92	-9.19	0	18.39	0
W+I 0 deg	RohnJP	-13.44	-0.05	304.41	13.44	0.03	1.85	0	1.85	0
W+I 0 deg	SNB-JP	-20.96	0	369.26	20.96	0	2.63	0	2.63	0
W+I 0 deg	RohnJ1	-10.3	-14.4	-122	17.7	6.58	-4.03	0	7.71	0
W+I 0 deg	RohnJ2	-10.21	14.45	-122.06	17.69	-6.61	-3.97	0	7.71	0
W+I 0 deg	SNB-J1	-19.81	-27.14	-155.11	33.6	13.67	-6.34	-0.07	15.07	0
W+I 0 deg	SNB-J2	-19.81	27.14	-155.15	33.6	-13.67	-6.34	0.07	15.07	0
W+I 60 deg	RohnJP	-2.11	-1.55	150.5	2.62	0.06	3.98	-0.01	3.98	0
W+I 60 deg	SNB-JP	-1.03	-3.16	179.31	3.33	-1.42	7.13	-0.07	7.27	0
W+I 60 deg	RohnJ1	-13.11	-22.44	-240.47	25.99	8.02	-4.72	-0.01	9.31	0
W+I 60 deg	RohnJ2	-0.07	-2.48	150.33	2.48	-3.5	-1.9	0	3.98	0
W+I 60 deg	SNB-J1	-23.94	-41.48	-299.49	47.89	15.92	-9.19	0	18.39	0
W+I 60 deg	SNB-J2	-2.22	-2.47	179.18	3.32	-6.89	-2.33	0.07	7.27	0
W+I 90 deg	RohnJP	7.26	-1.84	20.23	7.49	0.13	5.75	-0.01	5.75	0
W+I 90 deg	SNB-JP	15.29	-3.77	19.73	15.74	-1.59	10.87	-0.08	10.98	0
W+I 90 deg	RohnJ1	-11.3	-21.08	-210.69	23.92	7.73	-4.44	-0.01	8.91	0
W+I 90 deg	RohnJ2	4.06	-8.5	250.8	9.42	-2.32	-1.21	0	2.62	0
W+I 90 deg	SNB-J1	-20.54	-39.3	-263.31	44.35	14.83	-9.4	0.04	17.56	0
W+I 90 deg	SNB-J2	5.24	-12.86	302.58	13.89	-4.1	-1.37	0.04	4.32	0
DL + Ice Only	RohnJP	7.18	0	20.24	7.18	0	5.75	0	5.75	0
DL + Ice Only	SNB-JP	15.22	0	19.71	15.22	0	10.87	0	10.87	0
DL + Ice Only	RohnJ1	-3.59	-6.22	20.13	7.19	4.98	-2.88	0	5.75	0
DL + Ice Only	RohnJ2	-3.59	6.22	20.08	7.19	-4.98	-2.88	0	5.76	0
DL + Ice Only	SNB-J1	-7.61	-13.18	19.62	15.22	9.42	-5.44	0	10.88	0
DL + Ice Only	SNB-J2	-7.61	13.18	19.57	15.22	-9.42	-5.44	0	10.88	0

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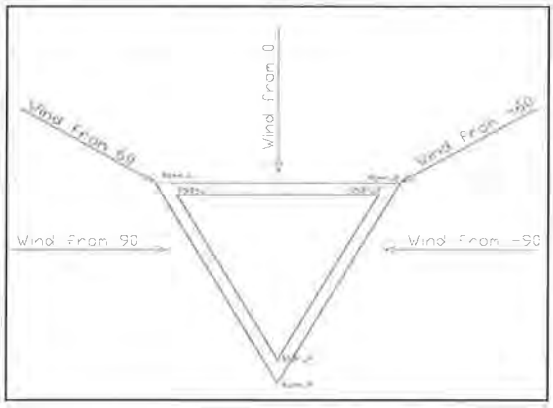
Description	Overturning Moment Calculation	Computed by	MCD	Date	09/17/15
		Checked by		Date	

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	-0.01	0.00	0.00	10602.1	7.49	114.8
W+I -90 deg	SNB-JP	0.02	0.00	0.00		15.74	
W+I -90 deg	RohnJ1	230.73	11.42	2634.94		9.42	
W+I -90 deg	RohnJ2	-230.82	-11.42	2635.96		23.92	
W+I -90 deg	SNB-J1	283.01	9.42	2665.95		13.89	
W+I -90 deg	SNB-J2	-282.93	-9.42	2665.20		44.35	
W+I -60 deg	RohnJP	130.26	6.60	859.72	10362.7	2.59	85.6
W+I -60 deg	SNB-JP	159.6	5.44	868.22		3.33	
W+I -60 deg	RohnJ1	130.26	6.60	859.72		2.51	
W+I -60 deg	RohnJ2	-260.61	-13.18	3434.84		25.99	
W+I -60 deg	SNB-J1	159.61	5.44	868.28		3.32	
W+I -60 deg	SNB-J2	-319.11	-10.88	3471.92		47.89	
W+I 0 deg	RohnJP	284.17	13.18	3745.36	11325.7	13.44	137.0
W+I 0 deg	SNB-JP	349.55	10.88	3803.10		20.96	
W+I 0 deg	RohnJ1	-142.13	-6.60	938.06		17.70	
W+I 0 deg	RohnJ2	-142.14	-6.60	938.12		17.69	
W+I 0 deg	SNB-J1	-174.73	-5.44	950.53		33.60	
W+I 0 deg	SNB-J2	-174.72	-5.44	950.48		33.60	
W+I 60 deg	RohnJP	130.26	6.60	859.72	10362.5	2.62	85.6
W+I 60 deg	SNB-JP	159.6	5.44	868.22		3.33	
W+I 60 deg	RohnJ1	-260.6	-13.18	3434.71		25.99	
W+I 60 deg	RohnJ2	130.25	6.60	859.65		2.48	
W+I 60 deg	SNB-J1	-319.11	-10.88	3471.92		47.89	
W+I 60 deg	SNB-J2	159.61	5.44	868.28		3.32	
W+I 90 deg	RohnJP	-0.01	0.00	0.00	10601.9	7.49	114.8
W+I 90 deg	SNB-JP	0.02	0.00	0.00		15.74	
W+I 90 deg	RohnJ1	-230.82	-11.42	2635.96		23.92	
W+I 90 deg	RohnJ2	230.72	11.42	2634.82		9.42	
W+I 90 deg	SNB-J1	-282.93	-9.42	2665.20		44.35	
W+I 90 deg	SNB-J2	283.01	9.42	2665.95		13.89	

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

Dimensions taken from CAD drawing



AECOM

				Page	of
Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	NSS-036	Sheet 1	of 4
Description	Foundation Analysis	Computed by	MCD	Date	09/17/15
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PIER AND MAT FOUNDATION ANALYSIS - 3 PIERS

TOWER FORCES:

Moment Caused by Tower	$M_t := 11325.7 \cdot kip \cdot ft$
Shear at Base of Tower	$S_t := 137 \cdot kip$
Height of Tower	$H_t := 180 \cdot ft$
Width of Tower at Base	$W_t := 22.833 \cdot ft$
Weight of Tower	$WT_t := 119.1 \cdot kip$

FOOTING DIMENSIONS:

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

MATERIAL PROPERTIES:

Compressive Strength of Concrete	$f'c := 3000 \cdot psi$	Unit Weight of Soil	$\gamma_s := 130 \cdot pcf$
Yield Strength of Steel Reinforcement	$fy := 60000 \cdot psi$	Unit Weight of Concrete	$\gamma_c := 150 \cdot pcf$
Internal Friction Angle of Soil	$\phi_s := 36 \cdot deg$	Depth to Neglect	$n := 0 \cdot ft$
Allowable Bearing Capacity	$q_s := 4000 \cdot psf$	Cohesion of Clay Type Soil Note: Use 0 for Sandy Soil	$c := 0 \cdot ksf$
Coefficient of Lateral Soil Pressure	$K_p := \frac{1 + \sin(\phi_s)}{1 - \sin(\phi_s)}$	$K_p = 3.8518$	

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

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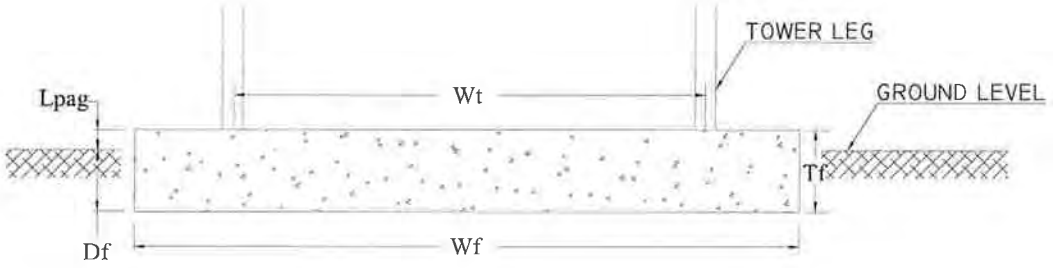
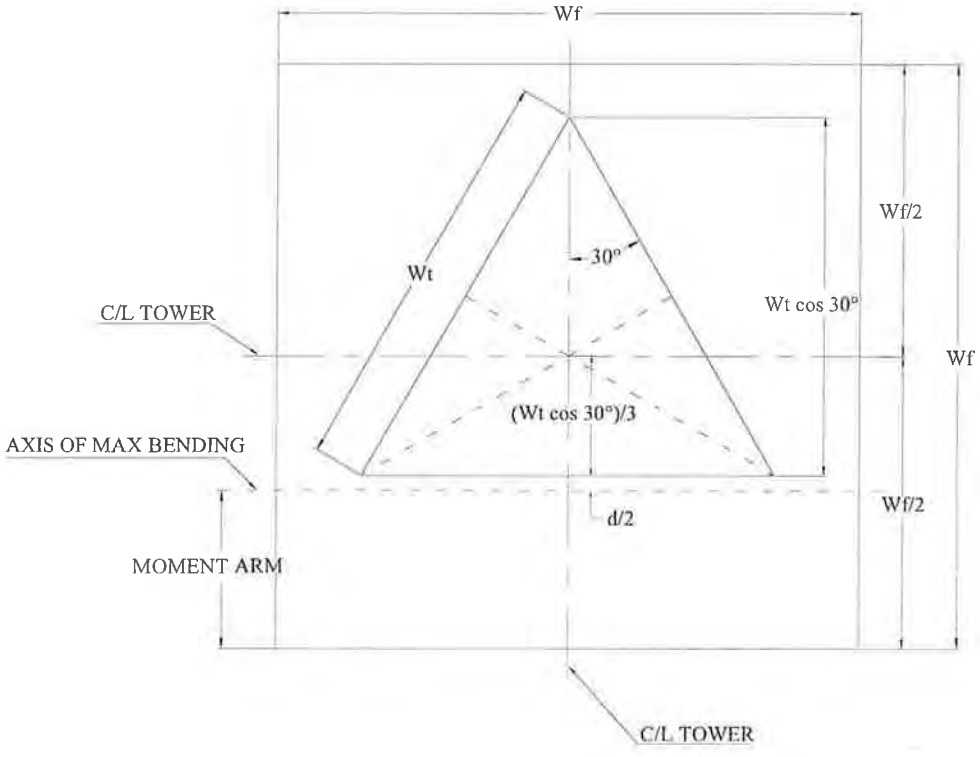
FOUNDATION OVERVIEW



ELEVATION



PLAN

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STABILITY OF FOOTING

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

Passive Pressure:

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

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

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

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

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

Shear:

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

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

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

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

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

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

Distance to center of Tower Leg from Edge of Footing:

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

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

Additional Offset of Footing:

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

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

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

$M_r = 24975.003 \cdot kip \cdot ft$

Overturning Moment: $M_{ot} := M_t + S_t \cdot (T_f) + WT_t \cdot X_{off}$ $\quad M_{ot} = 12147.7 \cdot kip \cdot ft$

Factor of Safety: $FS := \frac{M_r}{M_{ot}}$ $\quad FS = 2.06$

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

AECOM

Job	180' ROHN SSV Tower w/ SNB Reinf. - Greenwich	Project No.	NSS-036	Page / Sheet	of 4 / 4
Description	Foundation Analysis	Computed by	MCD	Date	09/17/15
		Checked by		Date	

BEARING PRESSURE CHECK:

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

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

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

$P_{max} := \frac{LOAD_{tot}}{A_{mat}} + \frac{M_{ot}}{S}$ $P_{max} = 2.4883 \cdot ksf$

$P_{min} := \frac{LOAD_{tot}}{A_{mat}} - \frac{M_{ot}}{S}$ $P_{min} = -0.5095 \cdot ksf$

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

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

Distance to Resultant of Pressure Distribution:

$X_p := \frac{P_{max}}{\frac{P_{max} - P_{min}}{W_f}} \cdot \frac{1}{3}$ $X_p = 10.0989 \cdot ft$

Distance to Kern: $X_k := \frac{W_f}{3}$ $X_k = 12.1667 \cdot ft$

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

Eccentricity: $e := \frac{M_{ot}}{LOAD_{tot}}$ $e = 9.2159$

Adjusted Soil Pressure: $q_a := \frac{2 \cdot LOAD_{tot}}{3 \cdot W_f \cdot \left(\frac{W_f}{2} - e\right)}$ $q_a = 2.6649 \cdot ksf$

Revised Maximum: $q_{max} := if\left(X_p < X_k, q_a, P_{max}\right)$ $q_{max} = 2.6649 \cdot kip$

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

About AECOM

AECOM (NYSE: ACM) is a global provider of professional technical and management support services to a broad range of markets, including transportation, facilities, environmental, energy, water and government. With approximately 45,000 employees around the world, AECOM is a leader in all of the key markets that it serves. AECOM provides a blend of global reach, local knowledge, innovation, and collaborative technical excellence in delivering solutions that enhance and sustain the world's built, natural, and social environments. A Fortune 500 company, AECOM serves clients in more than 100 countries and has annual revenue in excess of $6 billion.

More information on AECOM and its services can be found at www.aecom.com.

500 Enterprise Drive, Suite 3B
Rocky Hill, CT 06067
860-529-8882
Fax: 860-529-3991

Exhibit C

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

T-Mobile Existing Facility

Site ID: CT11070B

Connecticut State Police #2
150 Butternut Hollow Road
Greenwich, CT 06830

March 18, 2015

EBI Project Number: 6215001497

Site Compliance Summary	
Compliance Status:	COMPLIANT
Site total MPE% of FCC general public allowable limit:	70.20 %

21 B Street · Burlington, MA 01803 · Tel: (781) 273.2500 · Fax: (781) 273.3311

EBI Consulting
environmental | engineering | due diligence

March 18, 2015

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

Emissions Analysis for Site: **CT11070B – Connecticut State Police #2**

EBI Consulting was directed to analyze the proposed T-Mobile facility located at **150 Butternut 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 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter (µW/cm2). The number of $\mu W/cm^2$ 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 ($\mu W/cm^2$). The general population exposure limit for the 700 MHz Band is 467 $\mu W/cm^2$, and the general population exposure limit for the PCS and AWS bands is 1000 $\mu W/cm^2$. 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 Butternut 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, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was focused at the base of the tower. For this report the sample point is the top of 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 (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel

2) 2 UMTS channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.

3) 2 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.

4) 1 LTE channel (700 MHz Band) was considered for each sector of the proposed installation. This channel has a transmit power of 30 Watts.

5) 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.

6) For the following calculations the sample point was the top of a six foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufactures supplied specifications minus 10 dB was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

7) The antennas used in this modeling are the **Ericsson AIR21 B2A/B4P** for 1900 MHz (PCS) and 2100 MHz (AWS) channels and the **Ericsson AIR21 B4A/B12P** for 2100 MHz (AWS) and 700 MHz channels. This is based on feedback from the carrier with regards to anticipated antenna selection. The **Ericsson AIR21 B2A/B4P** has a maximum gain of **15.9 dBd** at its main lobe for both 1900 MHz and 2100 MHz. The **Ericsson AIR21 B4A/B12P** has a maximum gain of **15.9 dBd** at its main lobe for 2100 MHz and a maximum gain of **13.6 dBd** at its main lobe for 700 MHz. The maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

8) The antenna mounting height centerline of the proposed antennas is **137 feet** above ground level (AGL).

9) 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 calculations were done with respect to uncontrolled / general public threshold limits.

T-Mobile Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	**1**	Antenna #:	**1**	Antenna #:	**1**
Make / Model:	Ericsson AIR21 B2A/B4P	Make / Model:	Ericsson AIR21 B2A/B4P	Make / Model:	Ericsson AIR21 B2A/B4P
Gain:	15.9 dBd	Gain:	15.9 dBd	Gain:	15.9 dBd
Height (AGL):	137	Height (AGL):	137	Height (AGL):	137
Frequency Bands	1900 MHz(PCS) / 2100 MHz (AWS)	Frequency Bands	1900 MHz(PCS) / 2100 MHz (AWS)	Frequency Bands	1900 MHz(PCS) / 2100 MHz (AWS)
Channel Count	4	Channel Count	4	# PCS Channels:	4
Total TX Power:	120	Total TX Power:	120	# AWS Channels:	120
ERP (W):	4,668.54	ERP (W):	4,668.54	ERP (W):	4,668.54
Antenna A1 MPE%	0.98	Antenna B1 MPE%	0.98	Antenna C1 MPE%	0.98
Antenna #:	**2**	Antenna #:	**2**	Antenna #:	**2**
Make / Model:	Ericsson AIR21 B4A/B12P	Make / Model:	Ericsson AIR21 B4A/B12P	Make / Model:	Ericsson AIR21 B4A/B12P
Gain:	15.9 dBd	Gain:	15.9 dBd	Gain:	15.9 dBd
Height (AGL):	137	Height (AGL):	137	Height (AGL):	137
Frequency Bands	2100 MHz(AWS) / 700 MHz	Frequency Bands	2100 MHz(AWS) / 700 MHz	Frequency Bands	2100 MHz(AWS) / 700 MHz
Channel Count	3	Channel Count	3	Channel Count	3
Total TX Power:	150	Total TX Power:	150	Total TX Power:	150
ERP (W):	5,355.80	ERP (W):	5,355.80	ERP (W):	5,355.80
Antenna A2 MPE%	1.29	Antenna B2 MPE%	1.29	Antenna C2 MPE%	1.29

Site Composite MPE%	
Carrier	**MPE%**
T-Mobile	**6.79**
Nextel	4.60 %
State Police	3.91 %
Greenwich	2.42 %
DOT	0.55 %
NU	9.38 %
Sprint	5.45 %
AT&T	13.06 %
Verizon Wireless	24.04 %
Site Total MPE %:	**70.20 %**

T-Mobile Sector 1 Total:	2.26 %
T-Mobile Sector 2 Total:	2.26 %
T-Mobile Sector 3 Total:	2.26 %
Site Total:	70.20 %

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Summary

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

The anticipated maximum composite contributions from the T-Mobile facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general public exposure to RF Emissions are shown here:

T-Mobile Sector	Power Density Value (%)
Sector 1:	2.26 %
Sector 2:	2.26 %
Sector 3 :	2.26 %
T-Mobile Total:	6.79 %
Site Total:	70.20 %
Site Compliance Status:	**COMPLIANT**

The anticipated composite MPE value for this site assuming all carriers present is **70.20%** of the allowable FCC established general public limit sampled at the ground level. 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 well within the allowable 100% threshold standard per the federal government.

Scott Heffernan
RF Engineering Director

EBI Consulting
21 B Street
Burlington, MA 01803