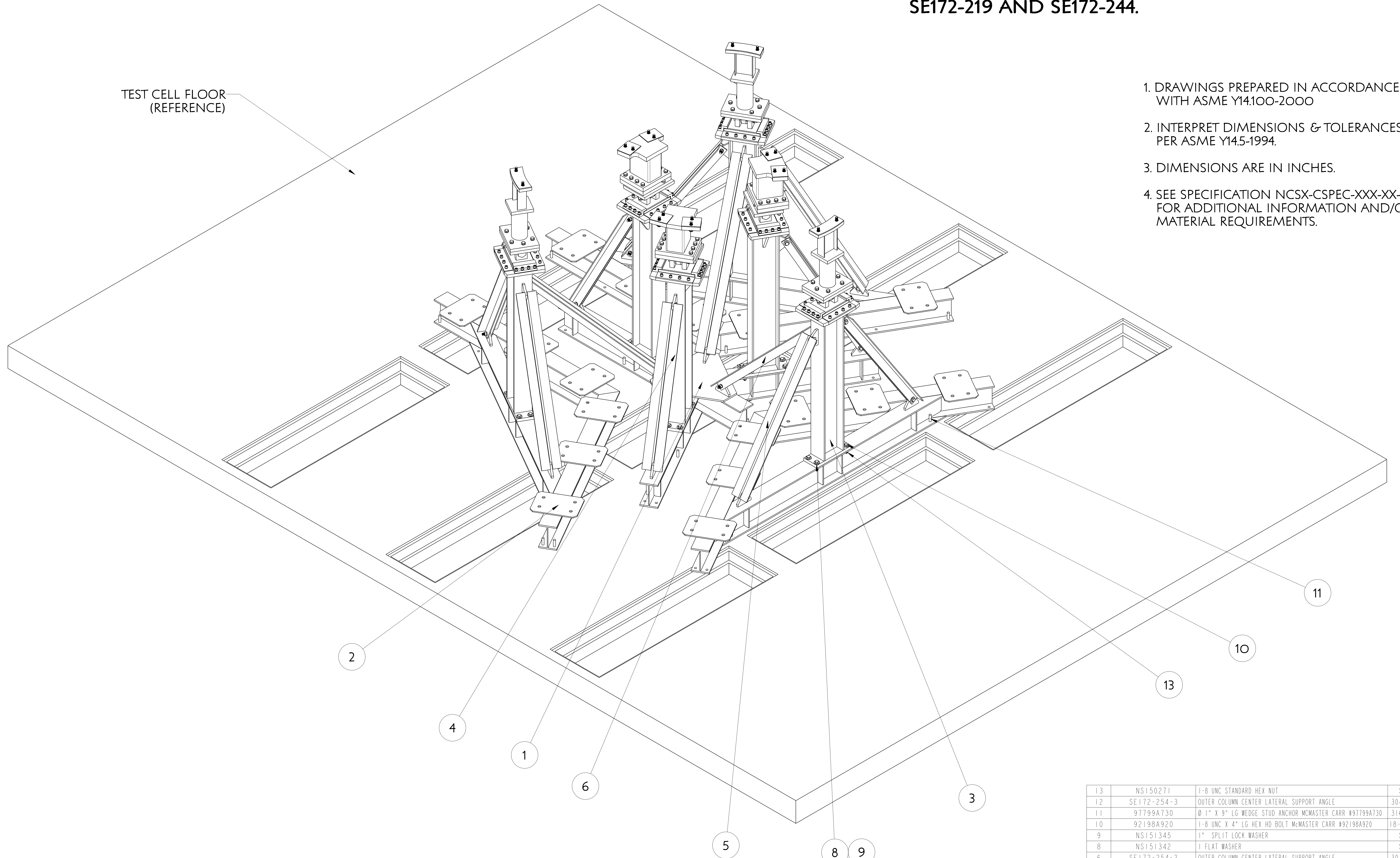


NOTE:

WORK THIS DRAWING WITH DRAWINGS SE172-219 AND SE172-244.

1. DRAWINGS PREPARED IN ACCORDANCE WITH ASME Y14.100-2000
2. INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5-1994.
3. DIMENSIONS ARE IN INCHES.
4. SEE SPECIFICATION NCSX-CSPEC-XXX-XX-XX FOR ADDITIONAL INFORMATION AND/OR MATERIAL REQUIREMENTS.

TEST CELL FLOOR
(REFERENCE)



| PART NO. | DRAWING NO | NOMENCLATURE OR DESCRIPTION | MATERIAL | QTY RECD |
|----------|-------------|--|--------------|----------|
| 13 | NS150271 | 1-8 UNC STANDARD HEX NUT | STN STL | 48 |
| 12 | SE172-254-3 | OUTER COLUMN CENTER LATERAL SUPPORT ANGLE | 304L ST STL | 6 |
| 11 | 97799A730 | Ø 1" X 9" LG WEDGE STUD ANCHOR MCMMASTER CARR #97799A730 | 316 STN STL | 32 |
| 10 | 92198A920 | 1-8 UNC X 4" LG HEX HD BOLT MCMMASTER CARR #92198A920 | 18-8 STN STL | 48 |
| 9 | NS151345 | 1" SPLIT LOCK WASHER | STN STL | 48 |
| 8 | NS151342 | 1" FLAT WASHER | STN STL | 48 |
| 6 | SE172-254-2 | OUTER COLUMN CENTER LATERAL SUPPORT ANGLE | 304L ST STL | 6 |
| 5 | SE172-254-1 | OUTER COLUMN LATERAL SUPPORT ANGLE | 304L ST STL | 12 |
| 4 | SE172-244 | INNER COLUMN SUPPORT ASSEMBLY - A-A JOINT | --- | 3 |
| 3 | SE172-219 | OUTER COLUMN SUPPORT ASSEMBLY - C-C JOINT | --- | 3 |
| 2 | SE172-207 | OUTER SUPPORT BASE WELDMENT | --- | 3 |
| 1 | SE172-203 | CENTER SUPPORT BASE WELDMENT | --- | 1 |

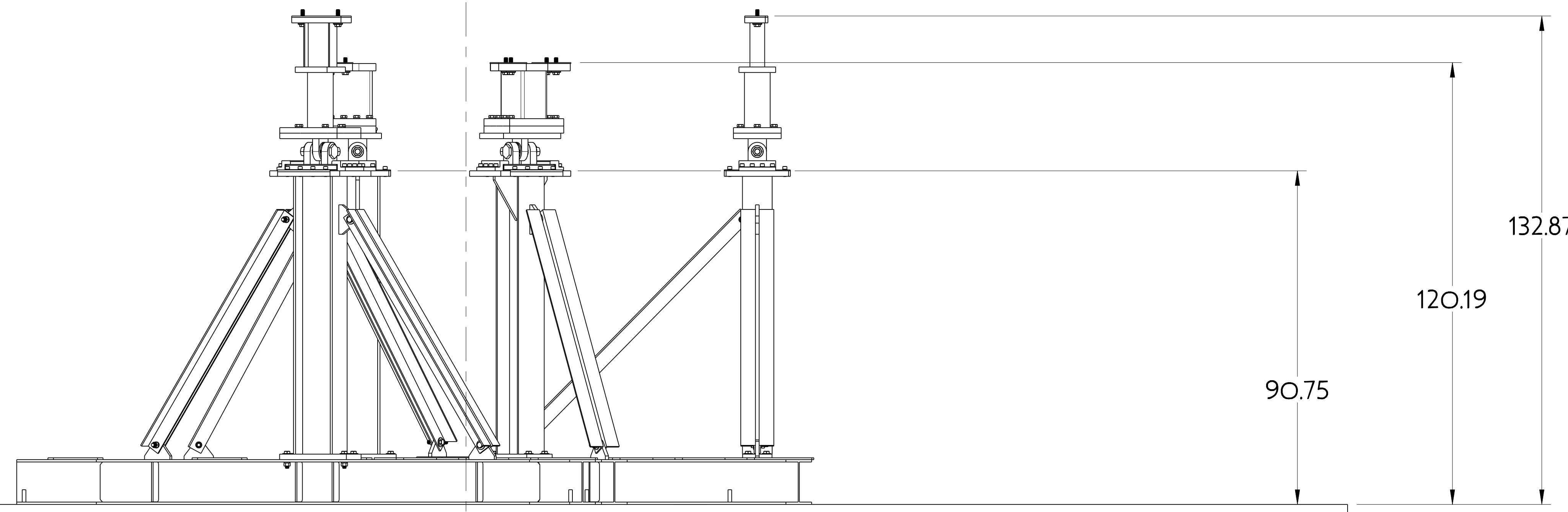
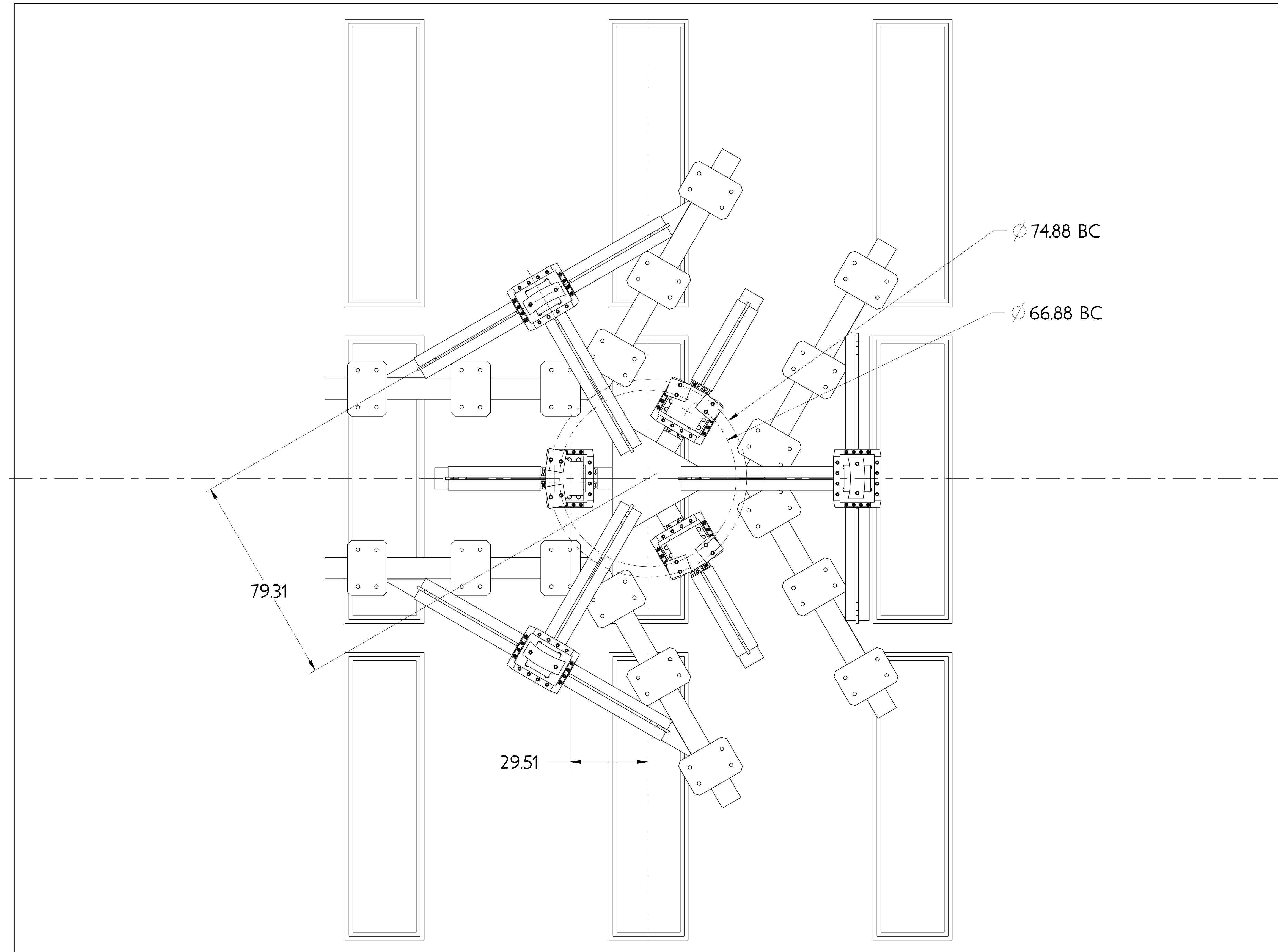
PARTS LIST

| | | | |
|--|--|--|-----------------------|
| COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED | CENTRAL FILES: UNLESS OTHERWISE SPECIFIED | PRINCETON PLASMA PHYSICS LABORATORY PRINCETON, NJ 08542-0884 | |
| Pro E | DIMENSIONS ARE IN INCHES MACHINE SURFACES | NATIONAL COMPACT STELLARATOR EXPERIMENT | |
| DO NOT VERIFY INFORMATION BY SCALING DRAWING | BREAK SHARP EDGES .005/.020 | STELLARATOR CORE BASE SUPPORT STRUCTURE MACHINE BASE SUPPORT STRUCTURE ASSEMBLY IN TEST CELL | |
| NEXT ASSEMBLY | TOLERANCES NON-CUMULATIVE | DSN: T. CRUICKSHANK | DRAWING NO: |
| | DECIMAL-INCH FRACTIONS | CHK: ENGR: F. DAHLGREN | SE172-201 |
| | .XX ±.010 0"-.125 ±.010 .XX ±.030 12"-.125 ±.010 .XX ±.005 12"-.125 ±.010 ANGULAR ±.0°-15' OVER 120° ±.1° | SUPV: | SHEET 1 OF 4 REV D. 5 |

| | |
|------------|--------------|
| WEIGHT | 168211.9 lbs |
| MODEL NAME | SE172-201 |

RELEASE LEVEL: WIP
DWG VERSION NO: 11

| NO. | REVISION | BY | CH | SUP | APPROVED | DATE |
|-----|----------|----|----|-----|----------|------|
| | | | | | | |



FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

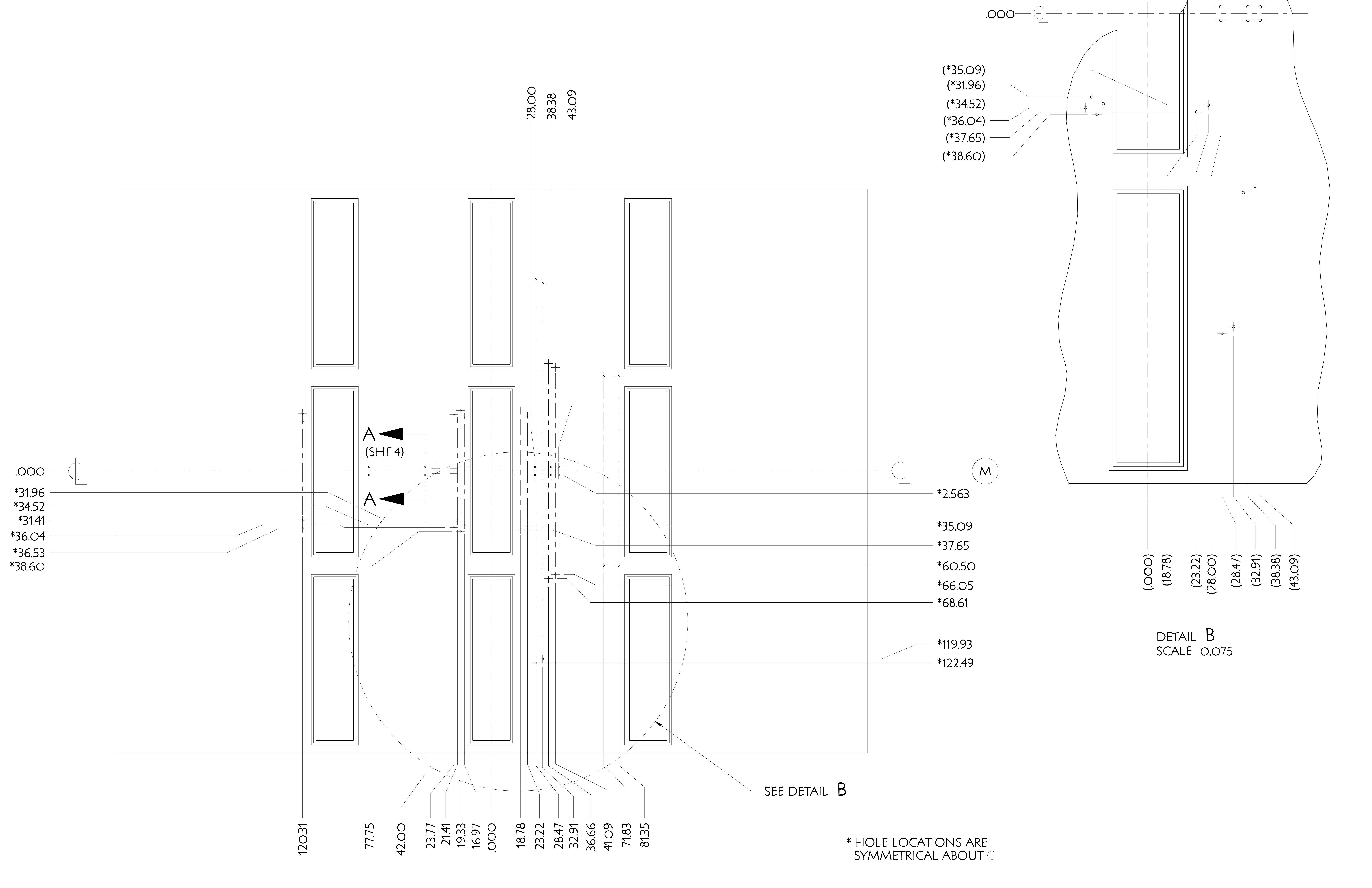
| | |
|------------------|-----------------|
| WEIGHT | 168211.9 lbs |
| MODEL NAME | SJDR-PE1121-011 |
| WELDING ENGINEER | |

RELEASE LEVEL: WIP
DWG VERSION NO: 11

| | | |
|---|---|--|
| COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E | CENTRAL FILES: UNLESS OTHERWISE SPECIFIED | PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT |
| DO NOT VERIFY INFORMATION BY SCALING DRAWING | DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020 | STELLARATOR CORE BASE SUPPORT STRUCTURE MACHINE BASE SUPPORT STRUCTURE ASSEMBLY IN TEST CELL |
| NEXT ASSEMBLY | TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .X +/- .100 0°-120° +/- .010 .XX +/- .030 12°-12° +/- .010 .XXX +/- .005 12°-120° +/- .010 ANGULAR +/- .0°-15° OVER 120° +/- .112 | DSN: T. CRUCKSHANK CHK: F. DAHLGREN ENGR: F. DAHLGREN SUPV: |
| | | DRAWING NO: SE172-201 SHEET 2 OF 4 REV B.5 |

NCSX-SE172-201

| NO. | REVISION | BY | CH | SUP | APPROVED | DATE |
|-----|----------|----|----|-----|----------|------|
| | | | | | | |



TEST CELL FLOOR ANCHOR BOLT LOCATIONS

FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

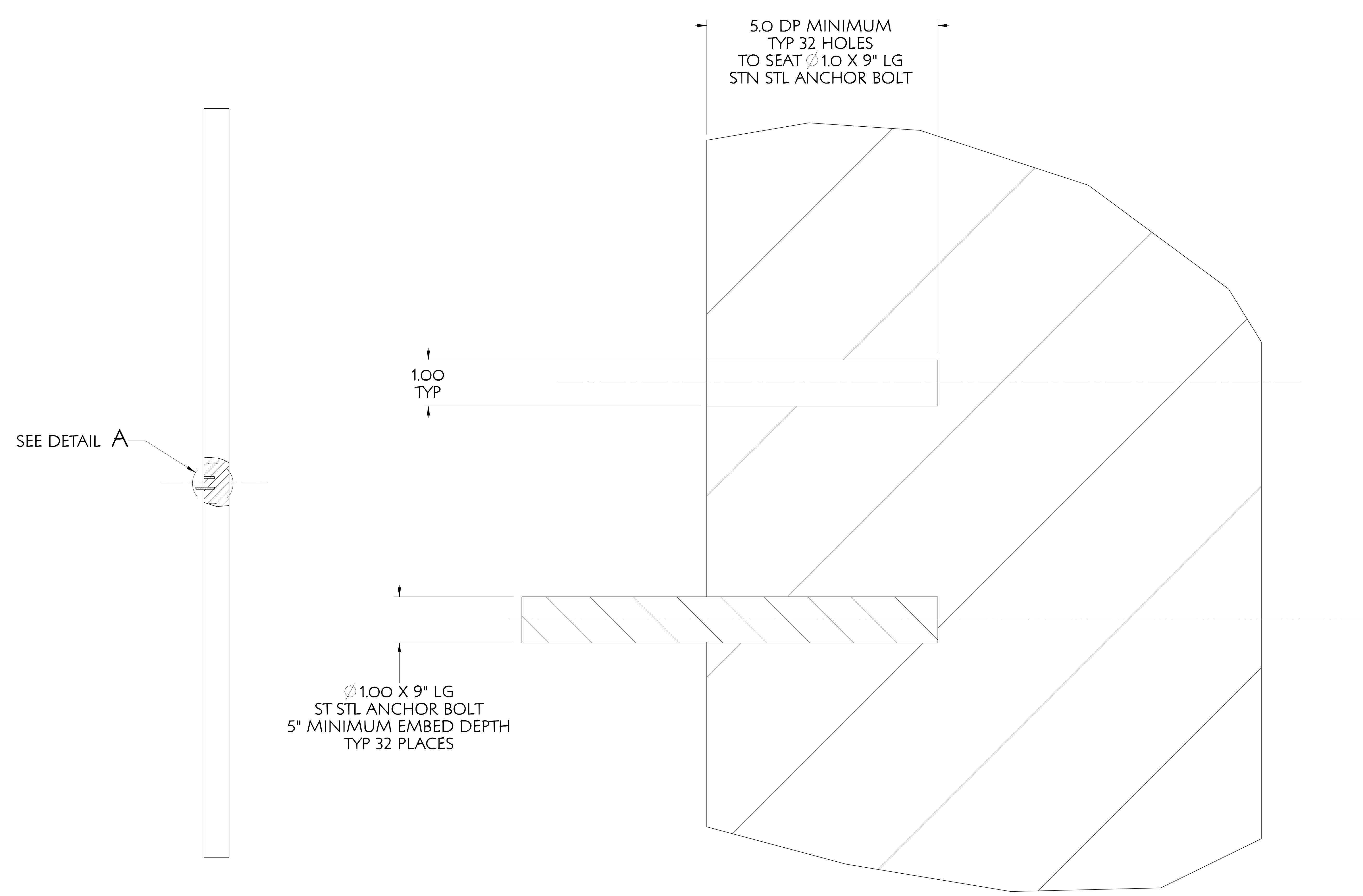
RELEASE LEVEL: WIP
DWG VERSION NO: 8

| | |
|------------------|-----------------|
| WEIGHT | 149640.4 lbs |
| MODEL NAME | SJDR-PE1121-011 |
| WELDING ENGINEER | |

| | | |
|--|--|--|
| COMPUTER GENERATED DRAWING DRAWING CHANGES NOT PERMITTED Pro E | CENTRAL FILES: UNLESS OTHERWISE SPECIFIED | PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT |
| DO NOT VERIFY INFORMATION BY SCALING DRAWING | DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020 | STELLARATOR CORE BASE SUPPORT STRUCTURE MACHINE BASE SUPPORT STRUCTURE ASSEMBLY IN TEST CELL |
| NEXT ASSEMBLY | TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS XX +/- .000 0°-120° +/- .004 XXX +/- .005 120°-120° +/- .004 ANGULAR +/- .0°-15° OVER 120° +/- .125 | DSN: T. CRUCKSHANK CHK: F. DAHLGREN ENGR: F. DAHLGREN SUPV: |
| | | DRAWING NO: SE172-201 |
| | | SHEET 3 OF 4 REV B.5 |

NCSX-SE172-201

| NO. | REVISION | BY | CH | SUP | APPROVED | DATE |
|-----|----------|----|----|-----|----------|------|
| | | | | | | |



SEE DETAIL A

SECTION A-A

DETAIL A
SCALE 1.000

FOR NOTES AND BILL OF MATERIAL SEE SHEET 1

RELEASE LEVEL: WIP
DWG VERSION NO: 11

| | |
|------------------|-----------------|
| WEIGHT | 168211.9 lbs |
| MODEL NAME | SJDR-PE1121-011 |
| WELDING ENGINEER | |

| | | | |
|---|---|--|---------------------------------|
| COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E | CENTRAL FILES: UNLESS OTHERWISE SPECIFIED | PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL COMPACT STELLARATOR EXPERIMENT | |
| DO NOT VERIFY INFORMATION BY SCALING DRAWING | DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020 | STELLARATOR CORE BASE SUPPORT STRUCTURE MACHINE BASE SUPPORT STRUCTURE ASSEMBLY IN TEST CELL | |
| NEXT ASSEMBLY | TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS XX +/- .005 0"-.125" +/- .010 XXX +/- .005 12"-.125" +/- .010 ANGULAR +/- .05 OVER 120" +/- .125 | DSN: T. CRUCKSHANK | DRAWING NO: SE172-201 |
| | | ENGR: F. DAHLGREN | SHEET 4 OF 4 REV B.5 |
| | | SUPV: | |

NCSX-SE172-201