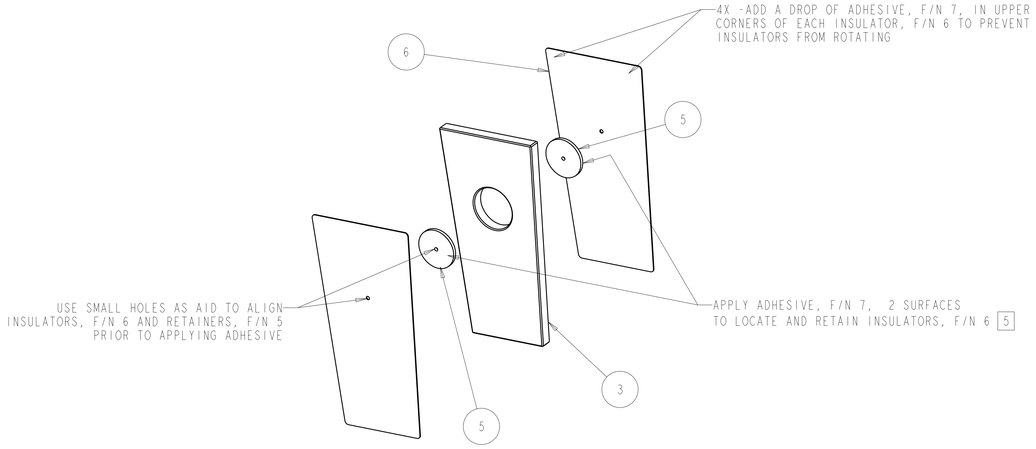
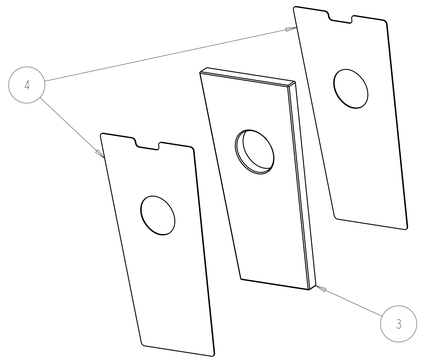



EXPLODED ISOMETRIC VIEW
SCALE 0.50



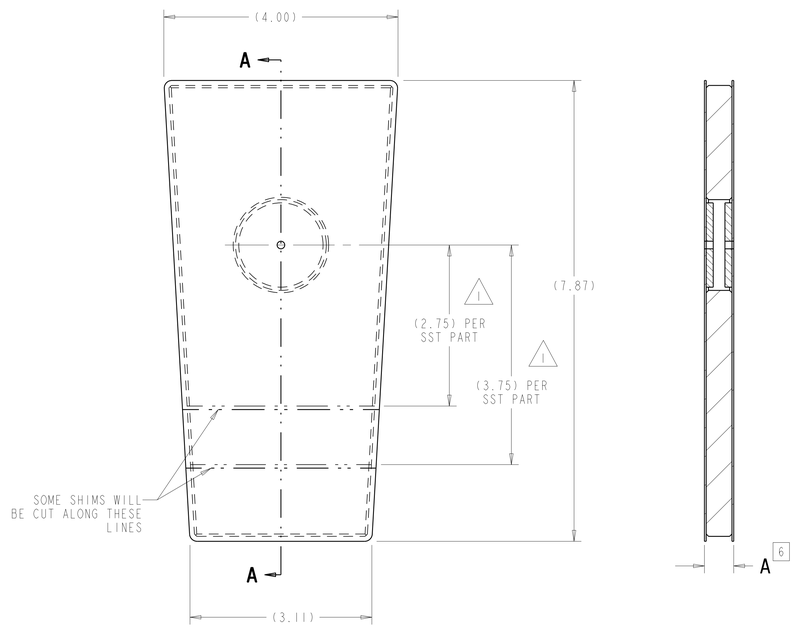

EXPLODED ISOMETRIC VIEW
SCALE 0.50

NOTES

1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004.
2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
3. DIMENSIONS ARE IN INCHES
4. SHIM ASSY MAY BE TRIMMED FOR ADEQUATE CLEARANCE AS NECESSARY.

5 APPLY ADHESIVE, F/N 7, TO RETAIN BOTH INSULATORS, F/N 6, FOLLOWING MANUFACTURERS' DIRECTIONS.

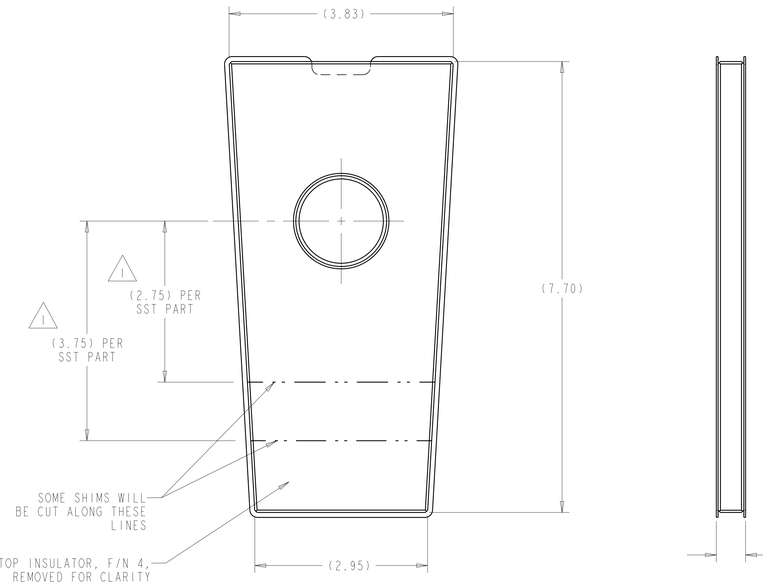
6 DIMENSION A WILL BE DETERMINED BY ASSEMBLY OF F/N 3, 4, AND 6 AS REQ'D AT INSTALLATION.



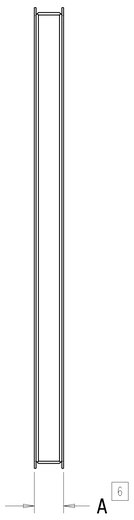

-2 NO BOLT SHIM ASSEMBLY
SCALE 1.00




SECTION A-A




-1 SHIM PLATE ASSEMBLY
SCALE 1.00




RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting: Jerry Siegel 2008.03.19 13:15:54 -05'00'

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | | | AR | | | -7 | ADHESIVE | LOCTITE 493 OR EQUIVALENT | FASTENAL CO EWING, NJ 08638 609-530-0456 WWW.FASTENAL.COM | 7 |
| | | | 2 | | | SE140-043-3 | NO BOLT SHIM PLATE INSULATOR | | | 6 |
| | | | 2 | | | SE140-043-2 | SHIM INSULATOR RETAINER | | | 5 |
| | | | | 2 | | SE140-043-1 | SHIM PLATE INSULATOR | | | 4 |
| | | | 1 | 1 | | SE140-042 | SHIM PLATE | | | 3 |
| | AR | AR | | | | -2 | NO BOLT SHIM ASSEMBLY | | | 2 |
| | AR | AR | | | | -1 | SHIM PLATE ASSEMBLY | | | 1 |
| | SE140-045 | SE140-046 | -2 | -1 | CAGE CODE | PART OR IDENTIFYING NO | NOMENCLATURE OR DESCRIPTION | MATERIAL | SPECIFICATION | FIND NO |
| 1 | | | | | NEXT ASSEMBLY | | PARTS LIST | | | |

SE140-041

| REV | DESCRIPTION | BY | DATE | CHK | DEPT | DATE | PE | REQ | DATE | ORNL | DOE | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SE140-046 & SE140-045. PER ECN # 5325 | GM | 03/08 | MC | | 03/08 | | | | | | |
| 1 | PART DRAWINGS. CHANGED "NEXT ASSY" TO | | | | | | | | | | | |
| 1 | CHANGED DIMENSION SCHEME TO MATCH | | | | | | | | | | | |
| 0 | ORIGINAL ISSUE | GM | 02/08 | MC | | 02/08 | | | | | | |

REVISION OR ISSUE PURPOSE | REVISION APPROVAL

SCALE NOTED
TOLERANCES UNLESS OTHERWISE SPECIFIED
FRACTIONS ·
XX DECIMALS ±.01
XXX DECIMALS ±.005
ANGLES ±0°15'
BREAK SHARP EDGES .06 MAX
FINISH 125 UNLESS OTHERWISE SPECIFIED

| | | |
|---|---|---|
| DES | D WILLIAMSON | 02/2008 |
| DRW | G MCGINNIS | 02/2008 |
| CHK | M COLE | 02/2008 |
| SECT | : | : |
| DEPT | : | : |
| PE | : | : |
| CR | : | : |
| PJ | : | : |
| REQ | : | : |
| PPPL DRFT | J SIEGEL | 02/2008 |
| | : | : |
| | : | : |
| DRAWING APPROVALS | | DATE |

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P THIS DRAWING PRODUCED ON PRO-ENGINEER

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Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725
UT-BATTELLE, LLC. Oak Ridge, Tennessee

PROJECT NAME
NATIONAL COMPACT STELLARATOR EXPERIMENT

SHIM PLATE ASSEMBLY

| VERSION NO. | PLANT | BLDG | FL | SHT | OF | TYPE | CLASS |
|---|---|---|---|---|---|---|---|
| 1 | ORNL | 5700 | 3 | 1 | 1 | S | U |

RELEASE LEVEL: Fabrication
SE140-041
REV 1