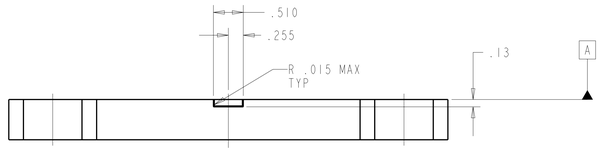
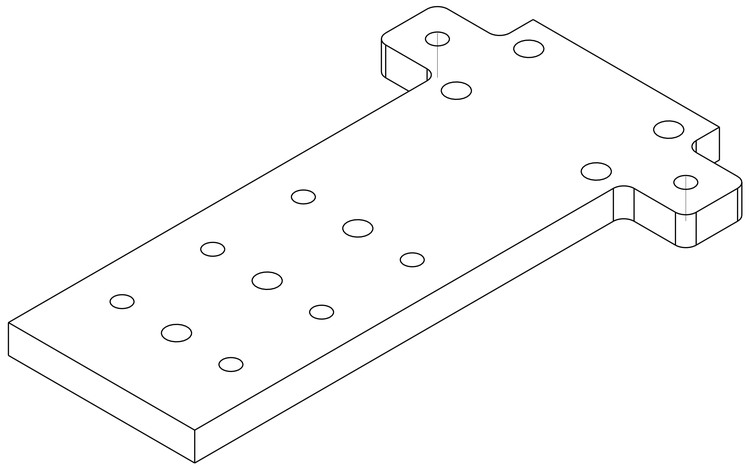


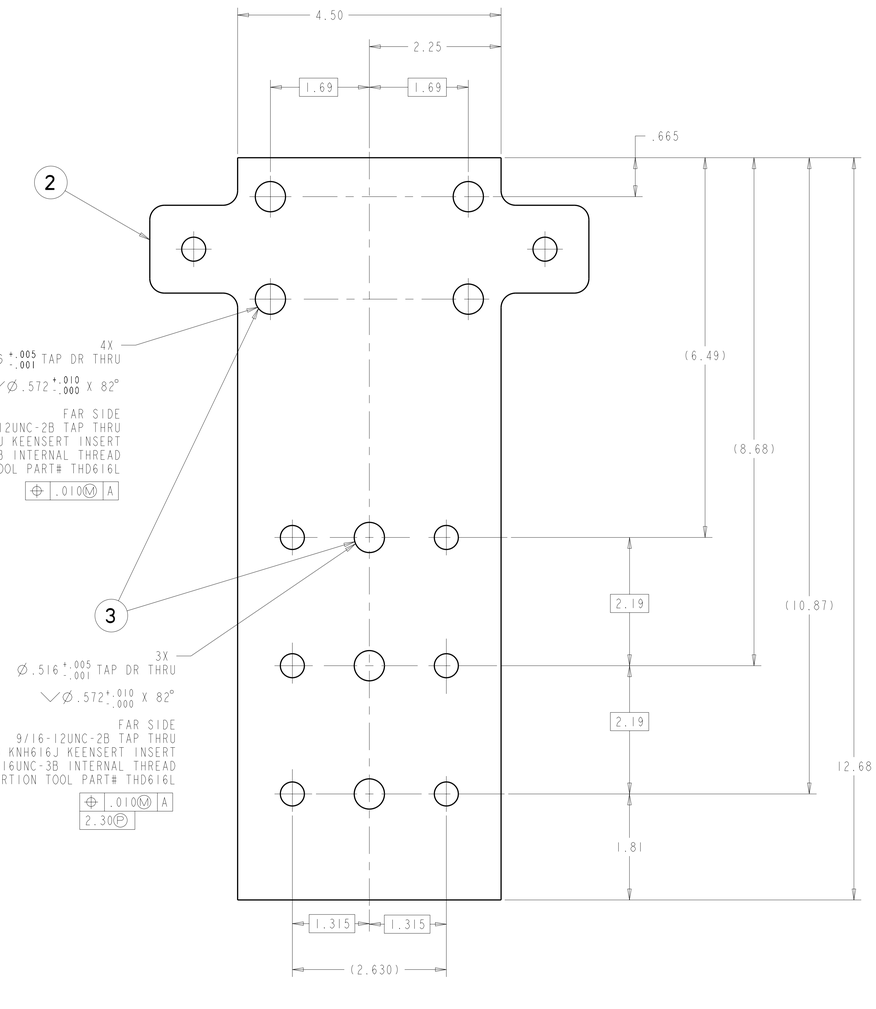



ISOMETIC VIEW

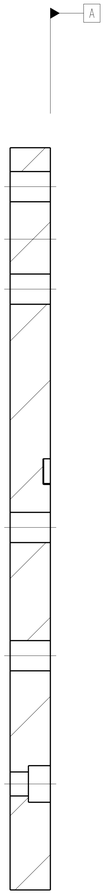
NOTES:

1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004
2. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1994
3. DIMENSIONS ARE IN INCHES
4. DIMENSIONS APPLY AT ROOM TEMPERATURE. OPERATING TEMP 80 K.
5. GEOMETRY IS DEFINED IN PRO ENGINEER CAD MODELS/FILES SE142B-047.PRT
6. DRAWING AND MODELS COMBINED DEFINE FINISHED MACHINED PART.
7. MAGNETIC PERMEABILITY NOT TO EXCEED 1.02 AS TESTED BY A SEVERN INDICATOR. AVAILABLE FROM

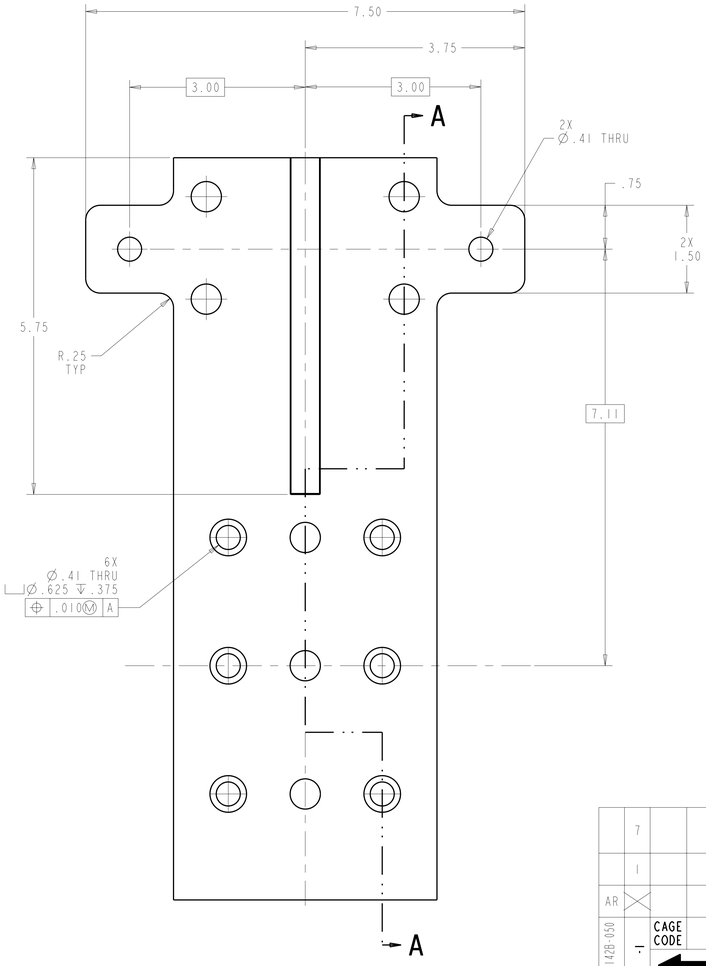
   SEVERN ENGINEERING
   555 OLD STAGE RD., SUITE 14
   AUBURN, ALABAMA 36830




BOTTOM VIEW




SECTION A-A




1 TOP VIEW

SCALE 1:1

**RELEASED FOR FABRICATION / INSTALLATION**

PPPL Drafting: Jerry Siegel 2006.10.04 07:55:23 -05'00'

| | | | | | |
|---|---|---|---|---|---|
| | 7 | | KNH616J | 3/8-16UNC-3B INTERNAL X 9/16-12UNC-2A EXTERNAL HEAVY DUTY KEENSERT | 300 SERIES SST | 3 |
| | 1 | | -2 | BLOCK, 12.68 X 7.50 X .69 | NEMA GRADE G-11CR | 2 |
| AR | X | | -1 | BASE BLOCK W/ INSERTS | | 1 |
| SE142B-050 | - | CAGE CODE | PART OR IDENTIFYING NO | NOMENCLATURE OR DESCRIPTION | MATERIAL / SPECIFICATION | FIND NO |
| | | ← NEXT ASSEMBLY | | PARTS LIST | | |

SE142B-047 B

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF, ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES, AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

P THIS DRAWING PRODUCED ON PRO-ENGINEER

| REV | DESCRIPTION | BY | DATE | CHK | DEPT | DATE | PE | REQ | DATE | ORNL | DOE | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | REVISION OR ISSUE PURPOSE | REVISION APPROVAL | | | | | | | | | | |

| | | |
|---|---|---|
| SCALE NOTED | DES P FOGARTY | 06/06 |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | DRW G LOVETT | 06/06 |
| | CHK M COLE | 06/06 |
| | SECT : | : |
| FRACTIONS : | DEPT : | : |
| XX DECIMALS ±.01 | PE D WILLIAMSON | 10/06 |
| XXX DECIMALS ±.005 | CR : | : |
| ANGLES ±0°15' | PJ : | : |
| BREAK SHARP EDGES .06 MAX | REQ : | : |
| FINISH 125 UNLESS OTHERWISE SPECIFIED | PPPL DRFT J SIEGEL | 10/06 |
| | : | : |
| | : | : |
| | DRAWING APPROVALS | DATE |

UT-BATTELLE

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

MODULAR COIL TYPE-B
JUMPERS BASE BLOCK
W/ INSERTS DETAIL

| VERSION NO. | PLANT | BLDG | FL | SHT | OF | TYPE | CLASS |
|---|---|---|---|---|---|---|---|
| 8 | X-10 | 5700 | 3 | 1 | 1 | S | U |

RELEASE LEVEL: Fabrication

SE142B-047 REV 0