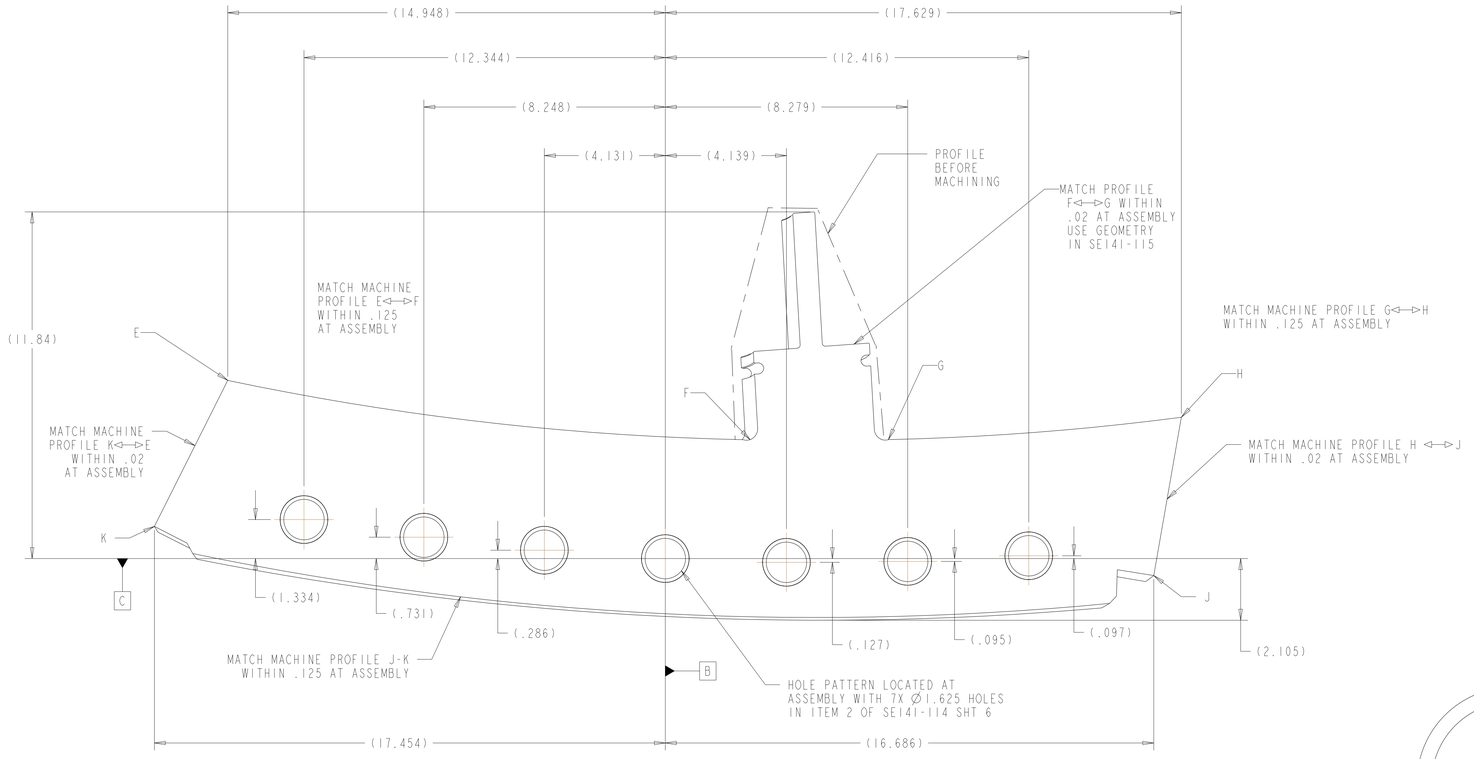
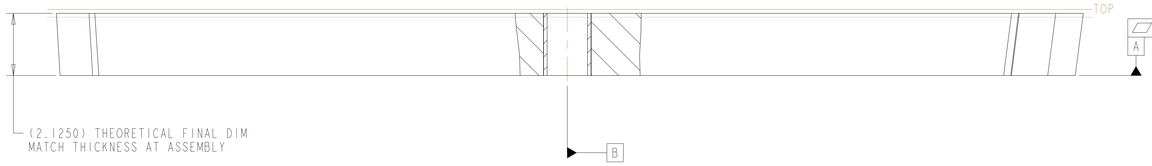
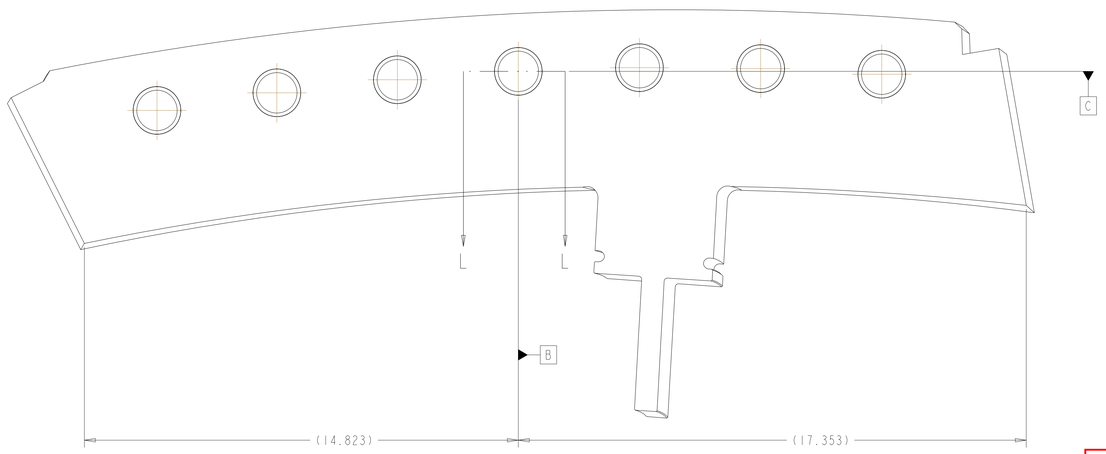
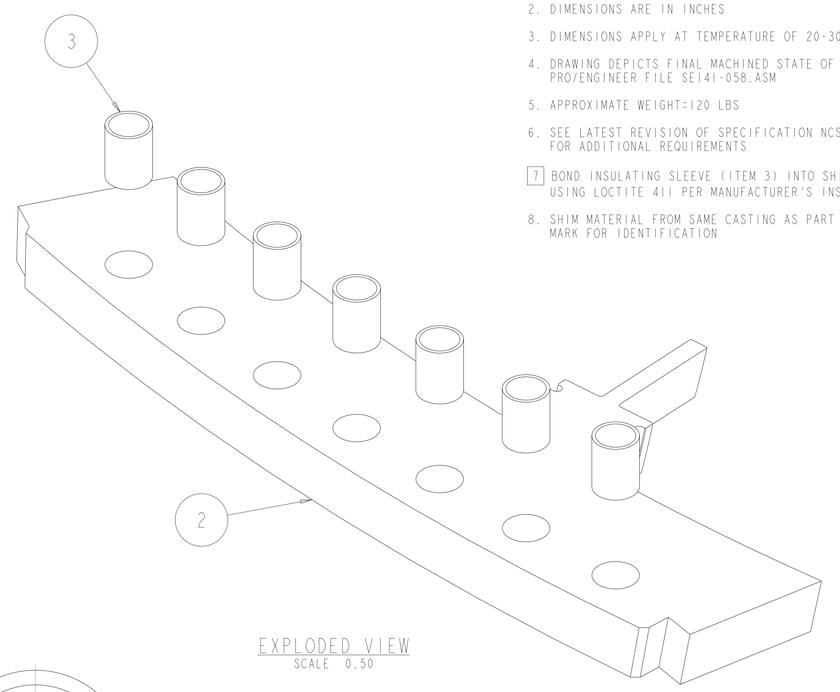



SECTION L-L



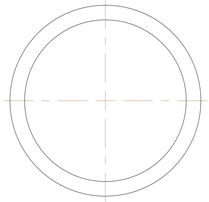

1 SCALE 0.50




EXPLODED VIEW
SCALE 0.50

NOTES:

1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
2. DIMENSIONS ARE IN INCHES
3. DIMENSIONS APPLY AT TEMPERATURE OF 20-30°C (68-86°F)
4. DRAWING DEPICTS FINAL MACHINED STATE OF ASSEMBLY DEFINED BY PRO/ENGINEER FILE SE141-058.ASM
5. APPROXIMATE WEIGHT=120 LBS
6. SEE LATEST REVISION OF SPECIFICATION NCSX-CSPEC-141-03 FOR ADDITIONAL REQUIREMENTS
7. [7] BOND INSULATING SLEEVE (ITEM 3) INTO SHIM (ITEM 2) USING LOCTITE 411 PER MANUFACTURER'S INSTRUCTIONS
8. SHIM MATERIAL FROM SAME CASTING AS PART SE141-115; MARK FOR IDENTIFICATION






3 SECTION D-D
SCALE 2.00

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 7 | | -3 | SHIM INSULATING SLEEVE ALL TYPES | GIICR | NEMA LI 1 - 1998 | 3 |
| | 1 | | -2 | POLOIDAL BREAK SHIM TYPE-B | NOTE 8 | -- | 2 |
| AR | X | | -1 | POL BREAK SHIM ASSEMBLY TYPE-B | | | 1 |
| SE141-102 | -1 | CAGE CODE | PART OR IDENTIFYING NO | NOMENCLATURE OR DESCRIPTION | MATERIAL | SPECIFICATION | FIND NO |
| | | ← NEXT ASSEMBLY | | PARTS LIST | | | |

SE141-058 B

**RELEASED FOR FABRICATION / INSTALLATION**
PPPL Drafting: ? Jerry Siegel 2004.09.23 15:12:15 -05'00'

| REV | DESCRIPTION | BY | DATE | CHK | DEPT | DATE | PE | REQ | DATE | ORNL | DOE | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | REVISION OR ISSUE PURPOSE | REVISION APPROVAL | | | | | | | | | | |
| 1 | REVISED "T" PROFILE PER ECN-4903 | GLL | 9/04 | MJC | | | DEW | | | | | |

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

| DRAWING APPROVALS | | DATE |
|---|---|---|
| DES | T BROWN | 6-30-04 |
| DRW | PAUL MILLER | 6-30-04 |
| CHK | M COLE | 6-30-04 |
| SECT | : | : |
| DEPT | : | : |
| PE | D WILLIAMSON | 6-30-04 |
| CR | : | : |
| PJ | : | : |
| REQ | : | : |
| PPPL DRFT | J SIEGEL | 6-30-04 |
| | : | : |
| | : | : |

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

POL BREAK SHIM ASSEMBLY TYPE-B

| VERSION NO. | PLANT | BLDG | FL | SHT OF | TYPE | CLASS |
|---|---|---|---|---|---|---|
| 2 | X-10 | 5700 | 3 | 1 1 | S | U |

RELEASE LEVEL: Fabrication
SE141-058
REV 1

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P THIS DRAWING PRODUCED ON PRO-ENGINEER