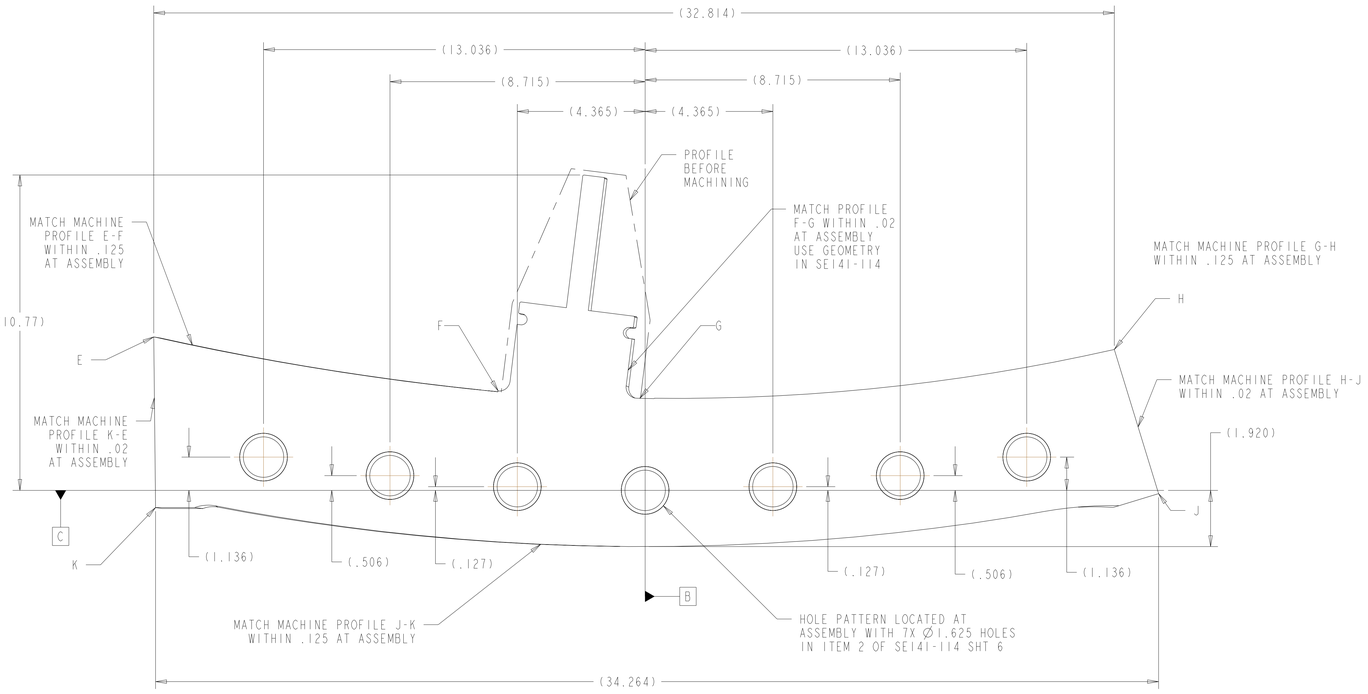
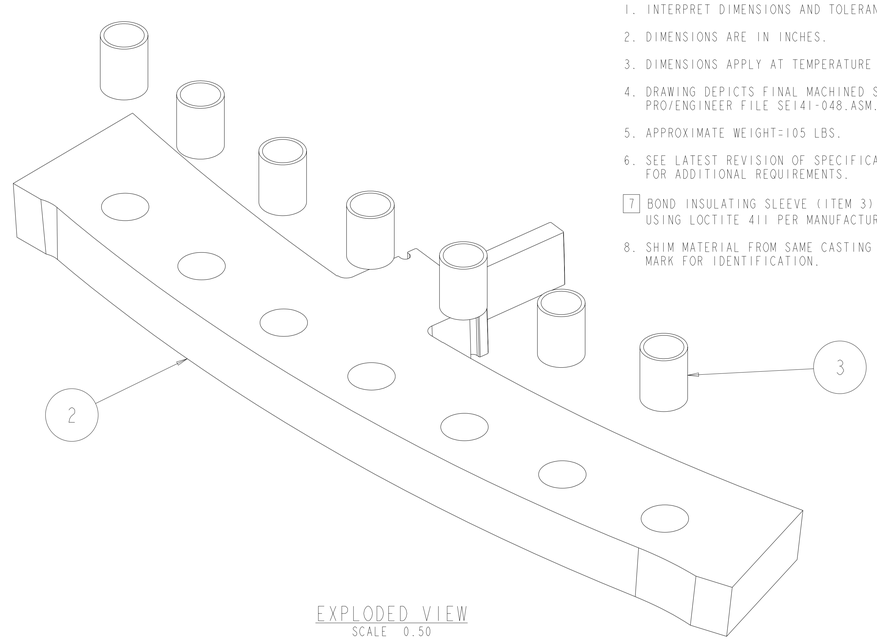
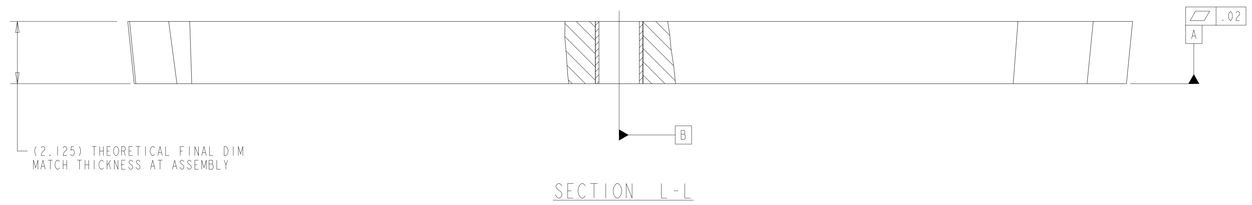


NOTES:

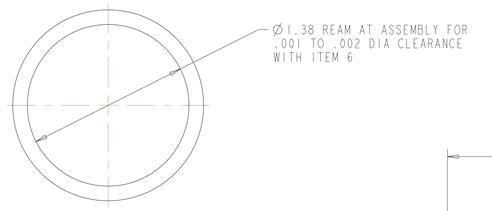
1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M.
2. DIMENSIONS ARE IN INCHES.
3. DIMENSIONS APPLY AT TEMPERATURE OF 20-30°C (68-86°F).
4. DRAWING DEPICTS FINAL MACHINED STATE OF ASSEMBLY DEFINED BY PRO/ENGINEER FILE SE141-048.ASM.
5. APPROXIMATE WEIGHT=105 LBS.
6. SEE LATEST REVISION OF SPECIFICATION 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 SE141-114. MARK FOR IDENTIFICATION.

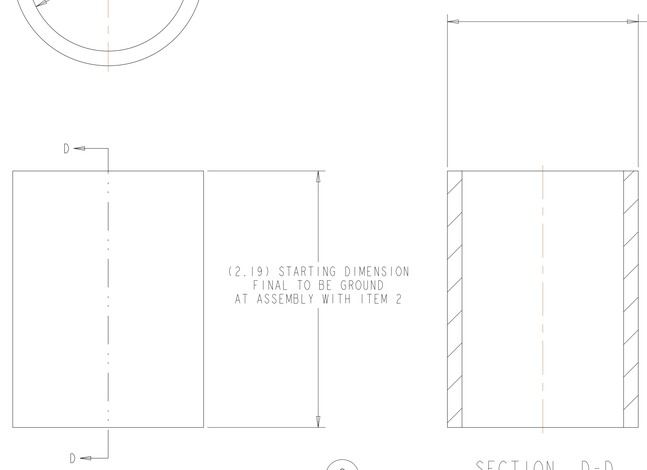


EXPLODED VIEW
SCALE 0.50



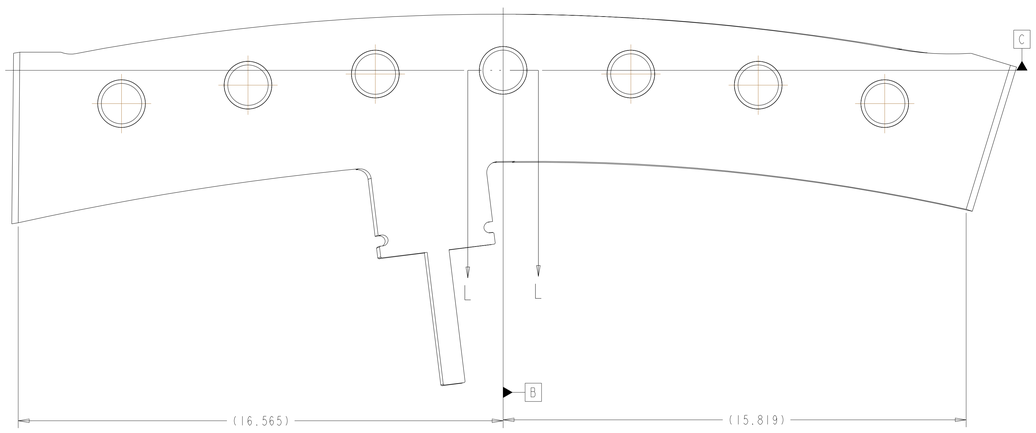
SECTION L-L





3

SECTION D-D
SCALE 2.00



1 SCALE 0.50

	7		-3	SHIM INSULATING SLEEVE ALL TYPES	G11CR	NEMA LI 1 - 1998 3
	1		-2	POLOIDAL BREAK SHIM TYPE-A	NOTE 8	-- 2
AR	X		-1	POL BREAK SHIM ASSEMBLY TYPE-A		1
SE141-101	-1	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION FIND NO
		NEXT ASSEMBLY		PARTS LIST		

RELEASED FOR FABRICATION / INSTALLATION

PPPL Drafting: Jerry Siegel 2004.09.23 15:11:00 -05'00'

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

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

DRAWING APPROVALS	DATE
DES G LOVETT	6-30-04
DRW P 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-AC05-000R22725
UT-BATTELLE, LLC. Oak Ridge, Tennessee

PROJECT NAME: NATIONAL COMPACT STELLARATOR EXPERIMENT

POL BREAK SHIM ASSEMBLY TYPE-A

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

RELEASE LEVEL: Fabrication — SE141-048 — REV 1

SE141-048

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