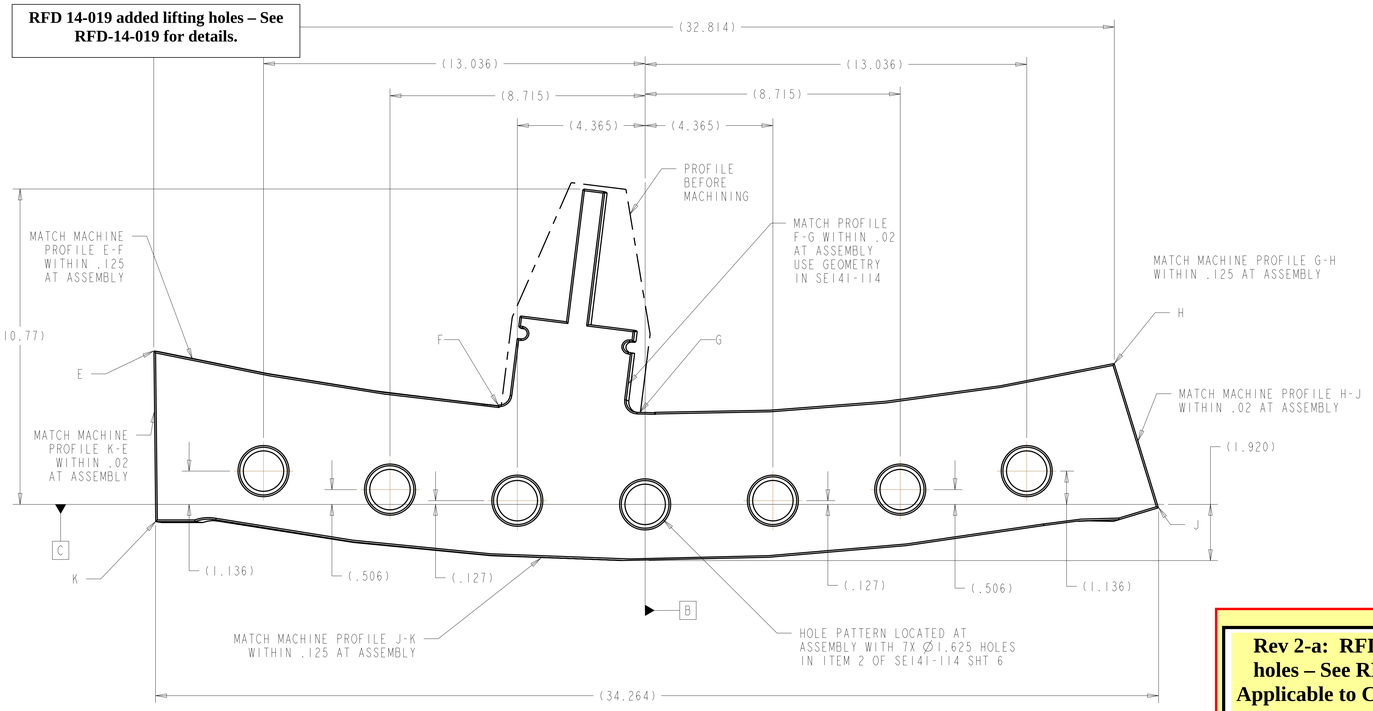
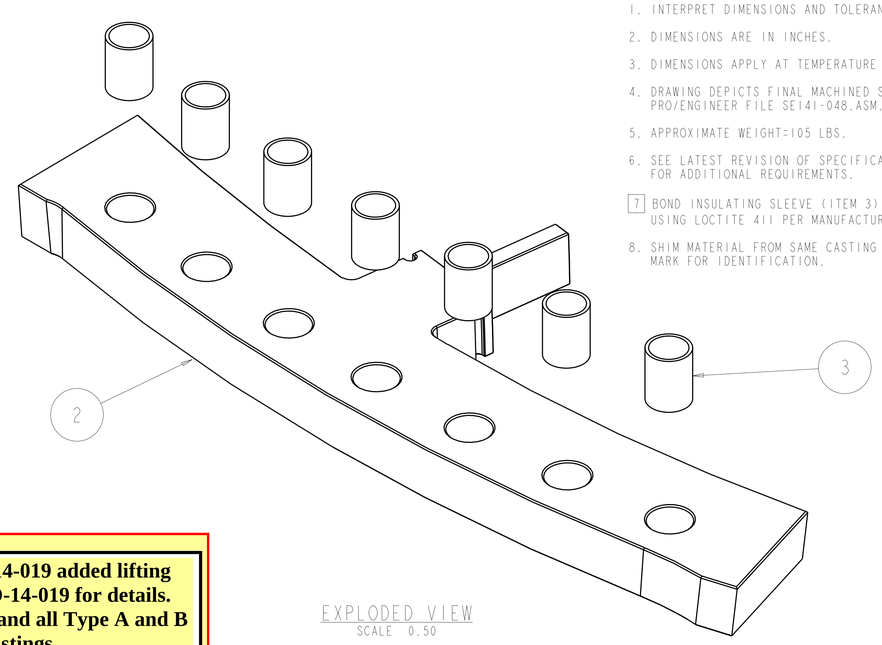
RFD 14-019 added lifting holes – See RFD-14-019 for details.



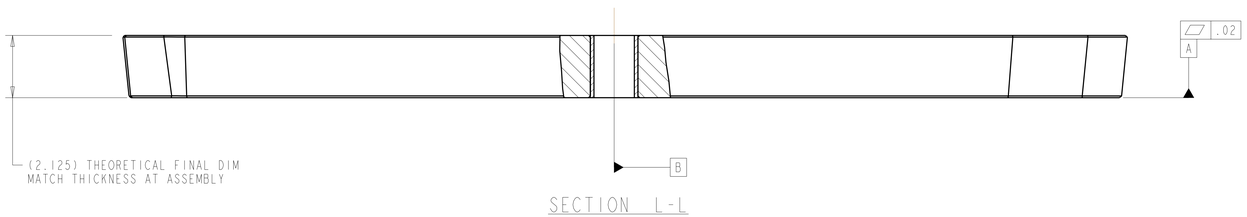
NOTES:

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. 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.

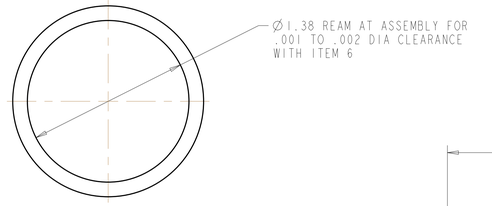


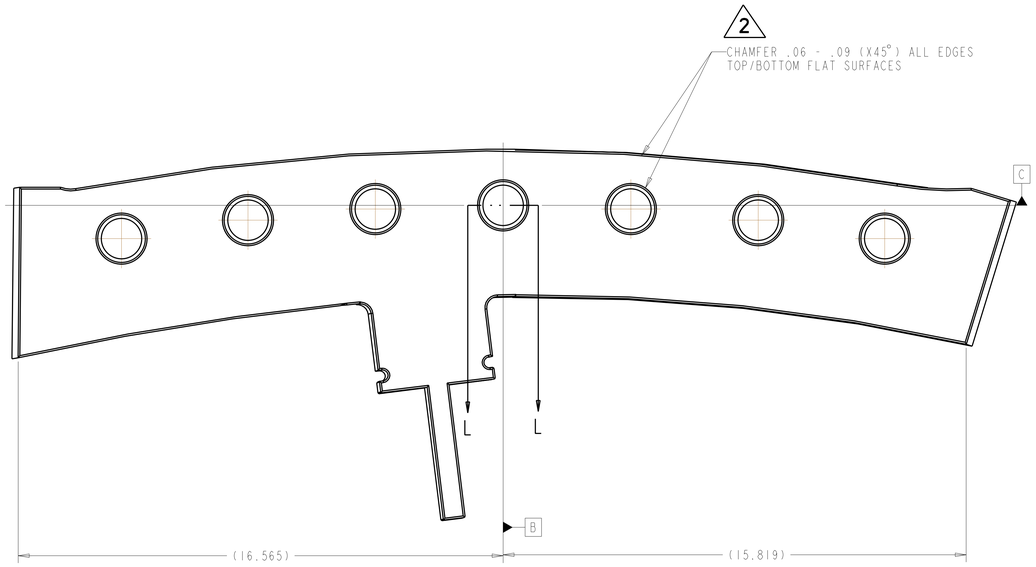
EXPLODED VIEW
SCALE 0.50

Rev 2-a: RFD 14-019 added lifting holes – See RFD-14-019 for details. Applicable to C6 and all Type A and B Castings

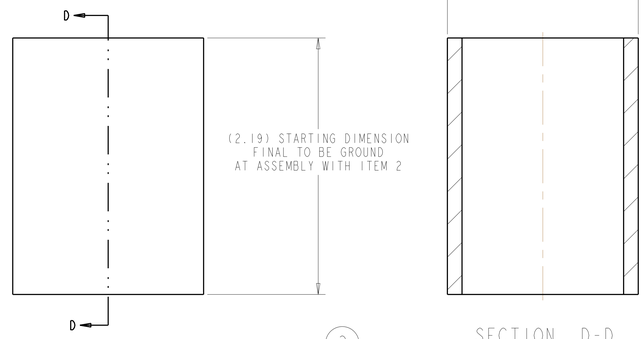


SECTION L-L





1 SCALE 0.50



3 SECTION D-D
SCALE 2.00

	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			

SE141-048 B

RELEASED FOR FABRICATION / INSTALLATION

PPPL Drafting:

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
2	REVISED ASM AND DRAWING PER ECN 5059	GLL	12/05	MJC			DEW					
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 .04 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-AC05-00OR22725
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
2	X-10	5700	3	1 1	S	U

RELEASE LEVEL: Fabrication
SE141-048
REV 2

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P THIS DRAWING PRODUCED ON PRO-ENGINEER