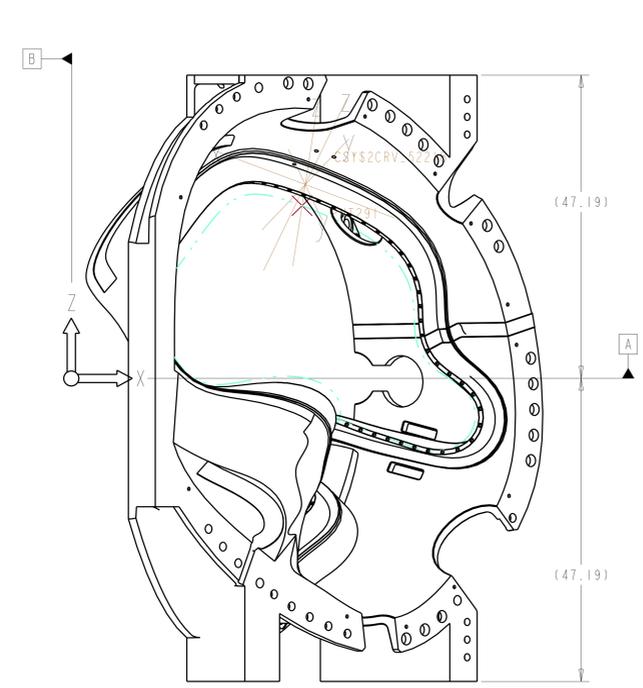


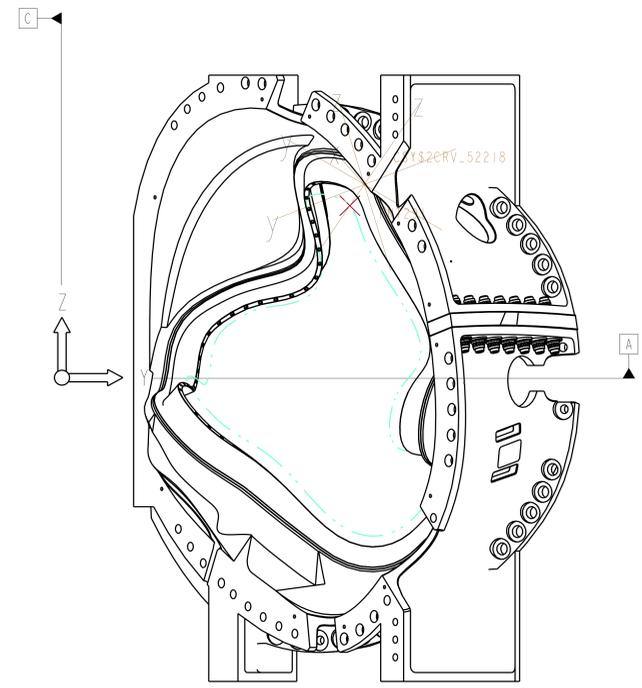
ISOMETRIC VIEW
 SCALE 0.1

NOTES:

1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.8M-1996.
2. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1994.
3. DIMENSIONS ARE IN INCHES.
4. DRAWING DEPICTS FINAL MACHINED STATE OF ASSEMBLY DEFINED BY PRO/ENGINEER FILE SE141-103.ASM.
5. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE RELATED TO DATUM A- (PRIMARY X-Y PLANE, TOP)
 DATUM B- (SECONDARY Y-Z PLANE, SIDE)
 DATUM C- (TERTIARY X-Z PLANE, FRONT)
6. DIMENSIONS APPLY AT TEMPERATURE OF 20-30°C (68-86°F).
7. DIMENSIONS AND TOLERANCES EXCLUDE PROCESS MATERIAL ALLOWANCES WHICH MAY ADD MASS.
8. APPROXIMATE WEIGHT = 5080 LBS.
9. MATCH DRILL OR REAM TO ACHIEVE RUNNING FIT BETWEEN PARTS AND ASSEMBLY.
10. LUBRICATE THREADED SURFACES WITH MOLYCOTE 321R PER MANUFACTURER'S INSTRUCTIONS
11. SEE LATEST REVISION OF SPECIFICATION NCSX-CSPEC-141-03 FOR ADDITIONAL REQUIREMENTS.
12. BOND INSULATING SLEEVE (F/N 5) TO WINDING FORM (F/N 2) USING LOCTITE 411 PER MANUFACTURER'S INSTRUCTIONS.



SCALE 0.1



REV	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
14	DS141-079		FLAT WASHER			9
14	DS141-060		NUT, 12PT HEX 1.375-6UNC-2B			8
14	DS141-038		INSULATING WASHER			7
7	DS141-036		STUD, 1.375-6UNC-2A X 9 LG			6
14	-5	MCWF INSULATING SLEEVE TYPE-C	G11CR	NEMA LI I - 1998		5
2	-4	INSULATING SHEET TYPE-C	G11CR	NEMA LI I - 1998		4
1	SE141-078		POL BREAK SHIM ASSEMBLY TYPE-C			3
1	SE141-116		PRODUCTION WINDING FORM TYPE-C			2
AR	X	-1	MOD COIL WINDING FORM ASSEMBLY TYPE-C			1
SE140-103						

← NEXT ASSEMBLY

PARTS LIST

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

SCALE NOTED	DES T BROWN	6-30-04
TOLERANCES UNLESS OTHERWISE SPECIFIED	DRW P MILLER	6-30-04
FRACTIONS	CHK M COLE	6-30-04
XX DECIMALS ± .01	DEPT :	
XXX DECIMALS ± .005	PE D WILLIAMSON	6-30-04
ANGLES ± 0°15'	CR :	
BREAK SHARP EDGES .06 MAX	PJ :	
FINISH .125 UNLESS OTHERWISE SPECIFIED	RED :	
	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

NATIONAL COMPACT STELLARATOR EXPERIMENT

MOD COIL WINDING FORM ASSEMBLY TYPE-C

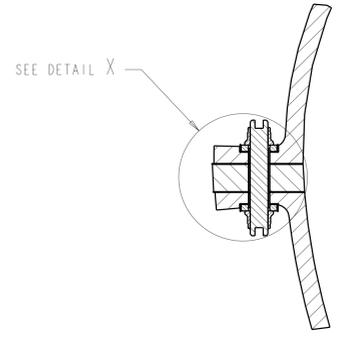
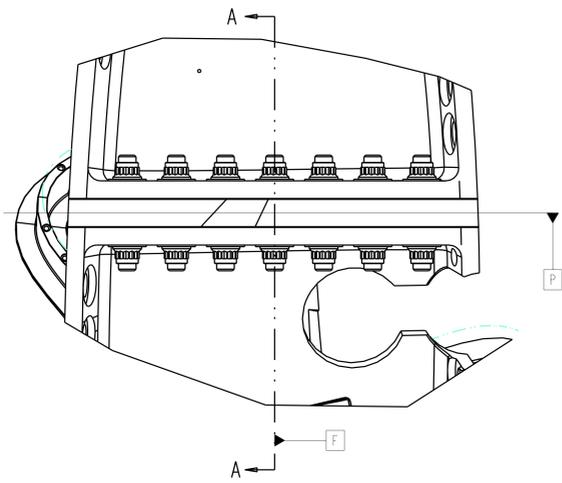
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS
1	X-10	5700	3	1	2	S U

RELEASE LEVEL: WIP

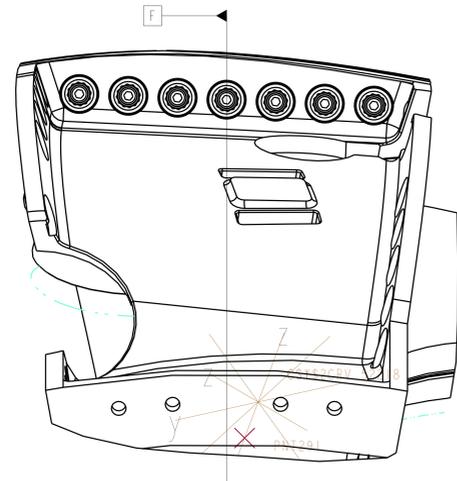
SEI41-103

H
G
F
E
D
C
B
A

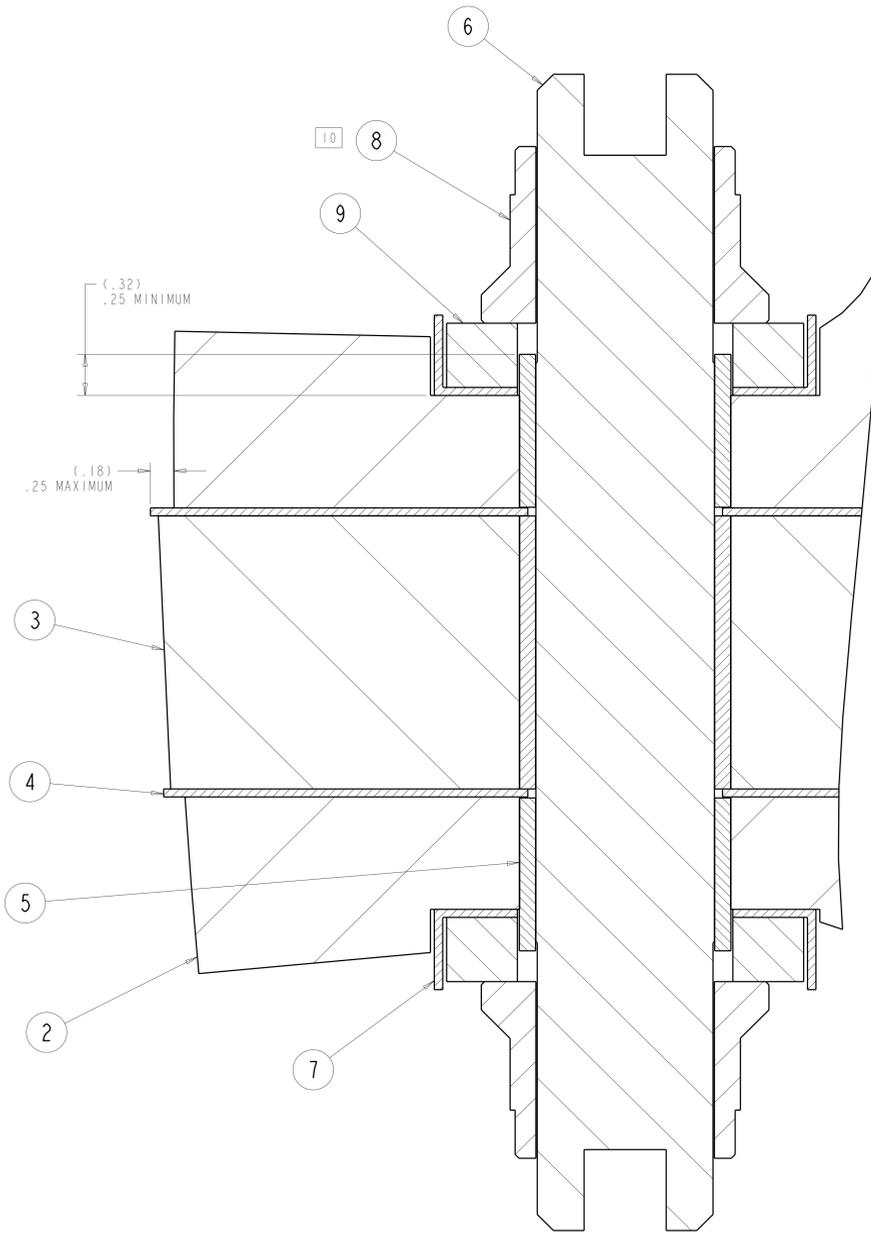
FOR NOTES AND PARTS LIST SEE SHEET 1



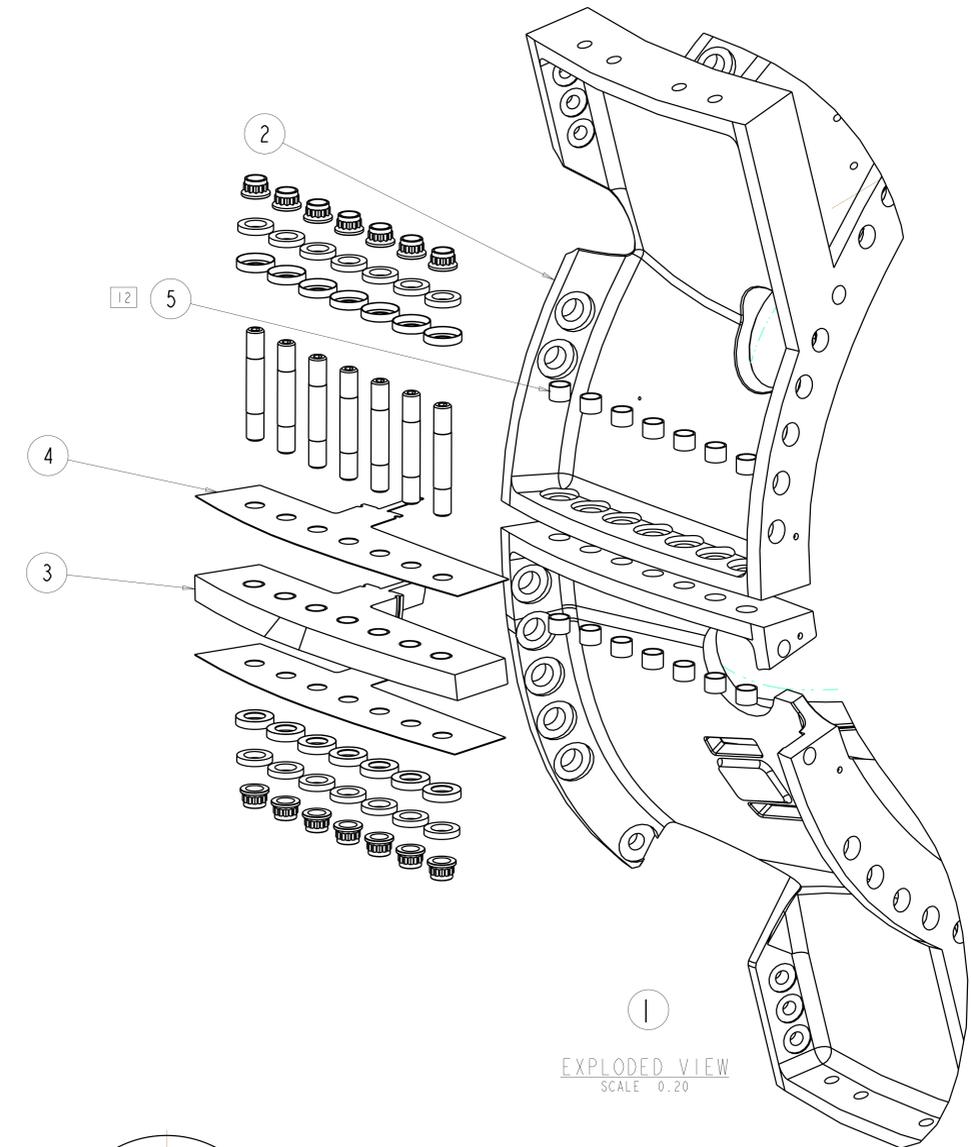
SECTION A-A
SCALE 0.20



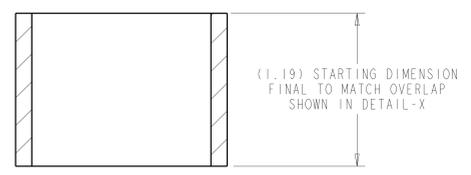
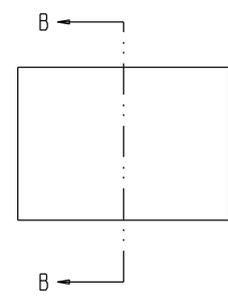
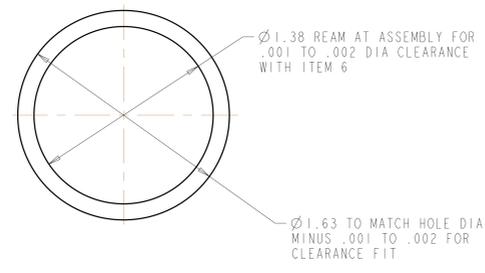
POLOIDAL BREAK DETAIL



DETAIL X
SCALE 2.00



EXPLODED VIEW
SCALE 0.20



SECTION B-B
SCALE 2.00

Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee							
UT-BATTELLE							
NATIONAL COMPACT STELLARATOR EXPERIMENT							
MOD COIL WINDING FORM ASSEMBLY TYPE-C							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
1	X-10	5700	3	2	S	U	
RELEASE LEVEL	SEI41-103						REV
WIP							1

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SEI41-103