

NOTES:

- DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2000.
- INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
- DIMENSIONS ARE IN INCHES
- DIMENSIONS APPLY AT ROOM TEMPERATURE. OPERATING TEMP 80 K.
- 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

6 AVAILABLE FROM:  
McMASTER CARR  
600 COUNTY LINE RD  
ELMHURST, IL 60126

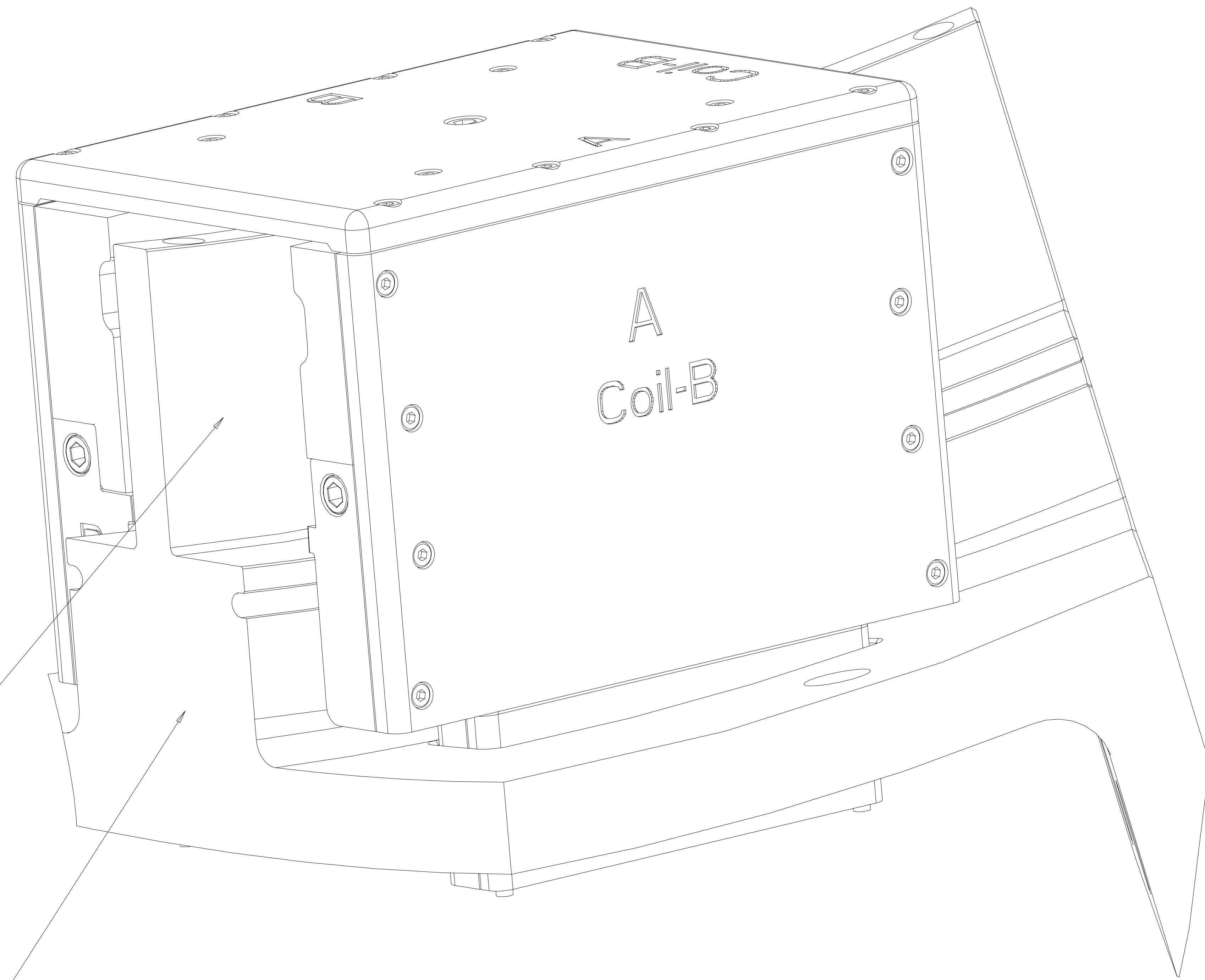
7 LUBRICATE THREADED SURFACE OF ITEM 13, 16, AND 18 WITH THREE-GARD ANTI-SEIZE COMPOUND FROM FEDERAL PROCESS CORP, CLEVELAND, OH.

8 TORQUE ITEM NO. 13 TO 18 FT-LBS.  
TORQUE ITEM NO. 18 AND 20 TO 38 FT-LBS.

9 SHIM AS REQUIRED BETWEEN ITEM 2, 3 AND 5

10 MEASURE DISTANCE FROM LOWER BLOCK MOUNTING HOLES TO BASE OF TEE. GRIND BOLT LENGTH IF REQUIRED TO PREVENT BOLT FROM TOUCHING TEE. MINIMUM BOLT ENGAGEMENT SHALL BE .3 IN.

11. ALL FASTENERS GOING INTO THE GICR LEAD BLOCKS SHALL BE COATED WITH RTV 108 TO PREVENT THE FASTENERS FROM VIBRATING LOOSE.



1  
ISOMETRIC VIEW  
SCALE 1.00

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
9	AR		-21									
1			-20									
1			-19									
6 7 8 10	2		-18									
6	4		-17									
6 7 8 10	2		-16									
6	4	92185A626										
6	28	92185A540										
6 7 8	1	93615A526										
1		SE142C-285										
1		SE142B-184										
1		SE142B-221										
1		SE142B-220										
2		SE142C-183										
8		SE142C-226										
1		SE142B-137										
1		SE142B-135										
1		SE142B-136										
1		SE142B-134										
1		SE141-122										
1												
SEI40-102												
SEI42B-080												

CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
SEI42B-080		LEADS BLOCK ASSEMBLY			1

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

SCALE NOTED  
TOLERANCES UNLESS OTHERWISE SPECIFIED

DES: D WILLIAMSON 03/06  
DRW: G LOVETT 03/06  
CHK: M. J. COLE 04/06

FRACCTIONS :  
XX DECIMALS ±.01  
XXX DECIMALS ±.005  
ANGLES ±0°15'  
BREAK SHARP EDGES 06 MAX  
FINISH :125 UNLESS OTHERWISE SPECIFIED

PPPL DRFT J SIEGEL 04/06

DESIGN APPROVALS

REVISIONS

REVISION OR ISSUE PURPOSE

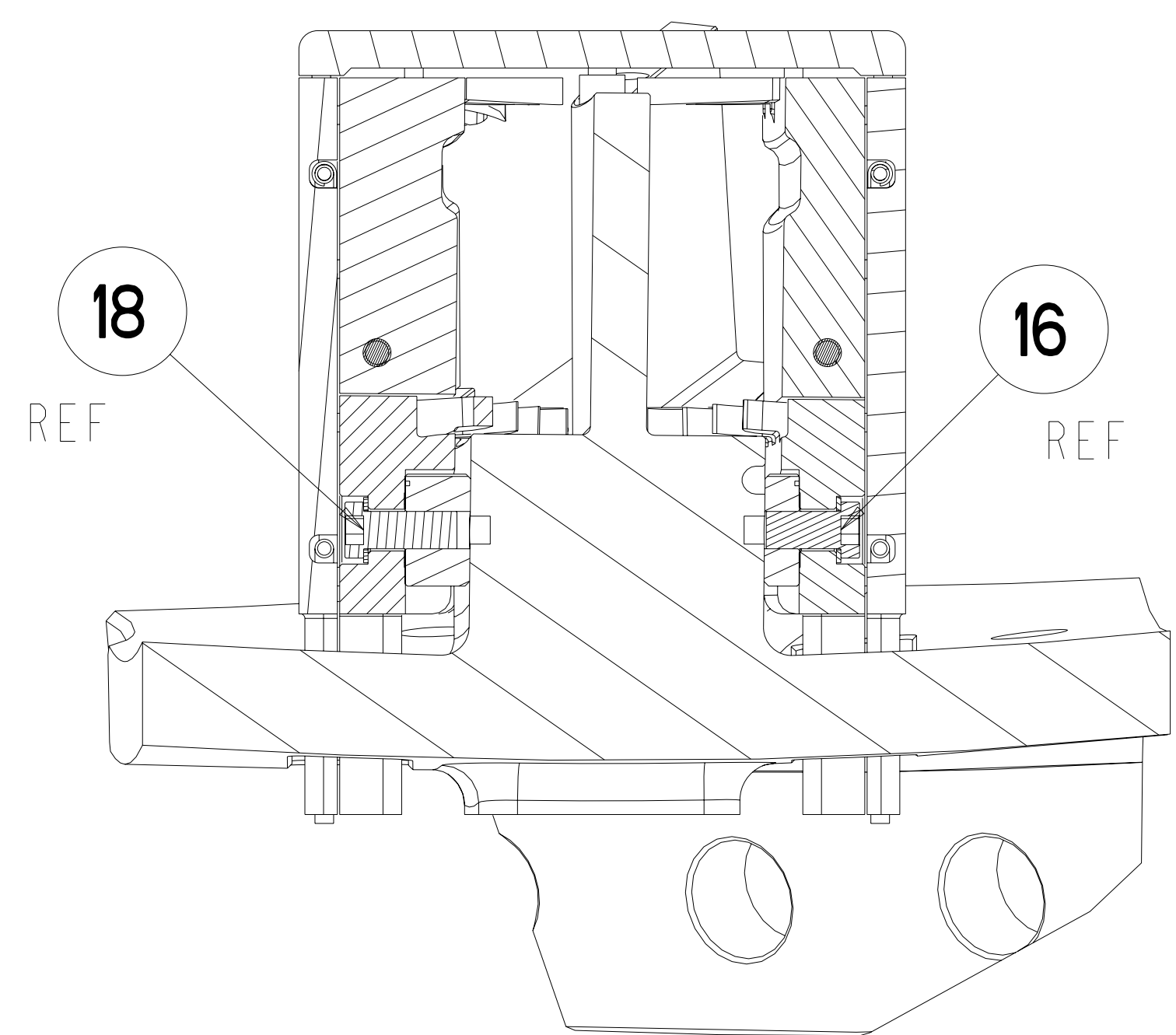
BY DATE CHK DEPT DATE PE REQ DATE ORNL DOE DATE

SEI42B-080

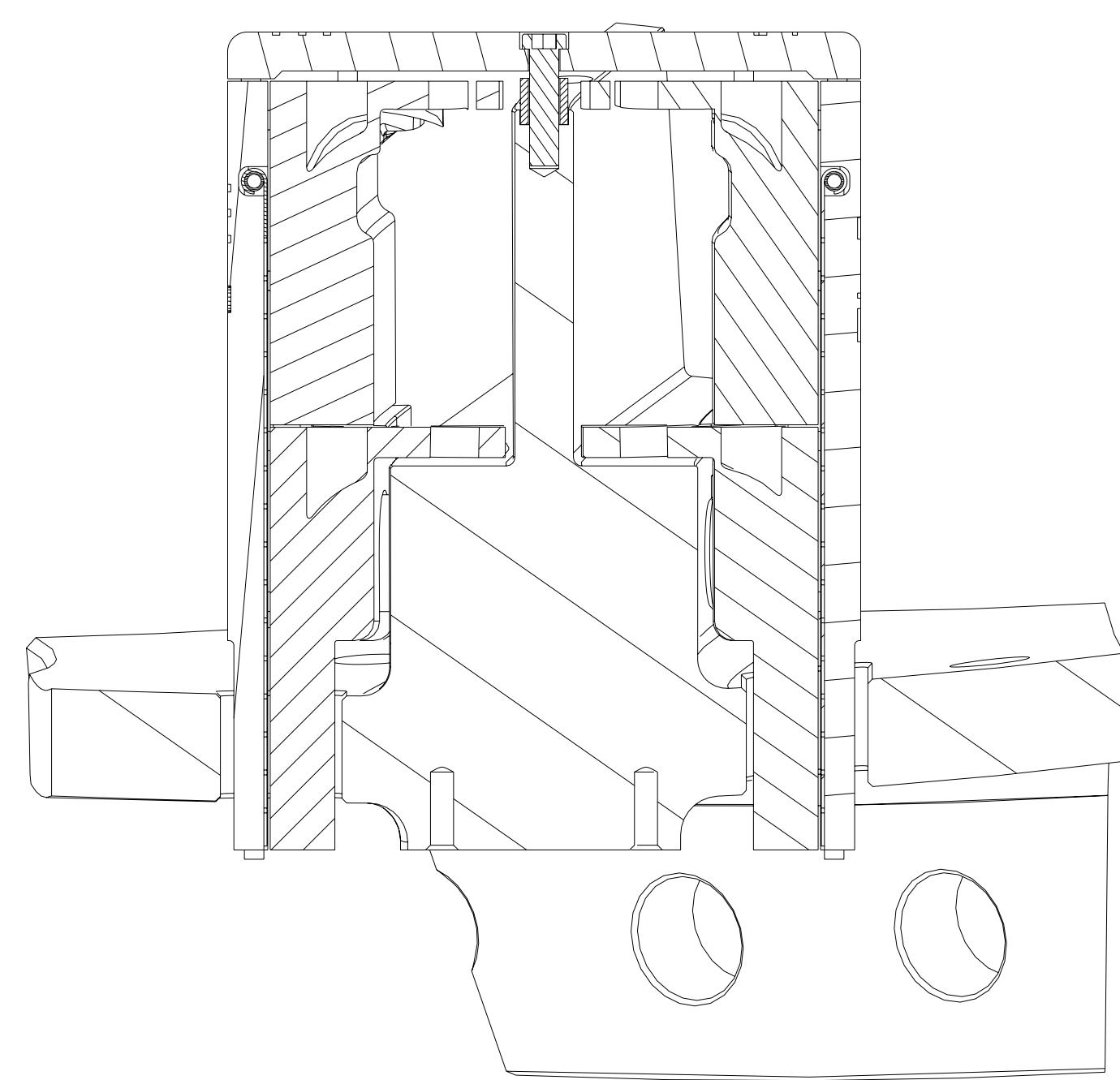
UT-BATTELLE  
NATIONAL COMPACT STELLARATOR EXPERIMENT  
TYPE "B" LEADS WINDING BLOCKS ASSEMBLY

Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT CONTRACT DE-AC05-00OR22725 UT-BATTELLE, LLC., Oak Ridge, Tennessee

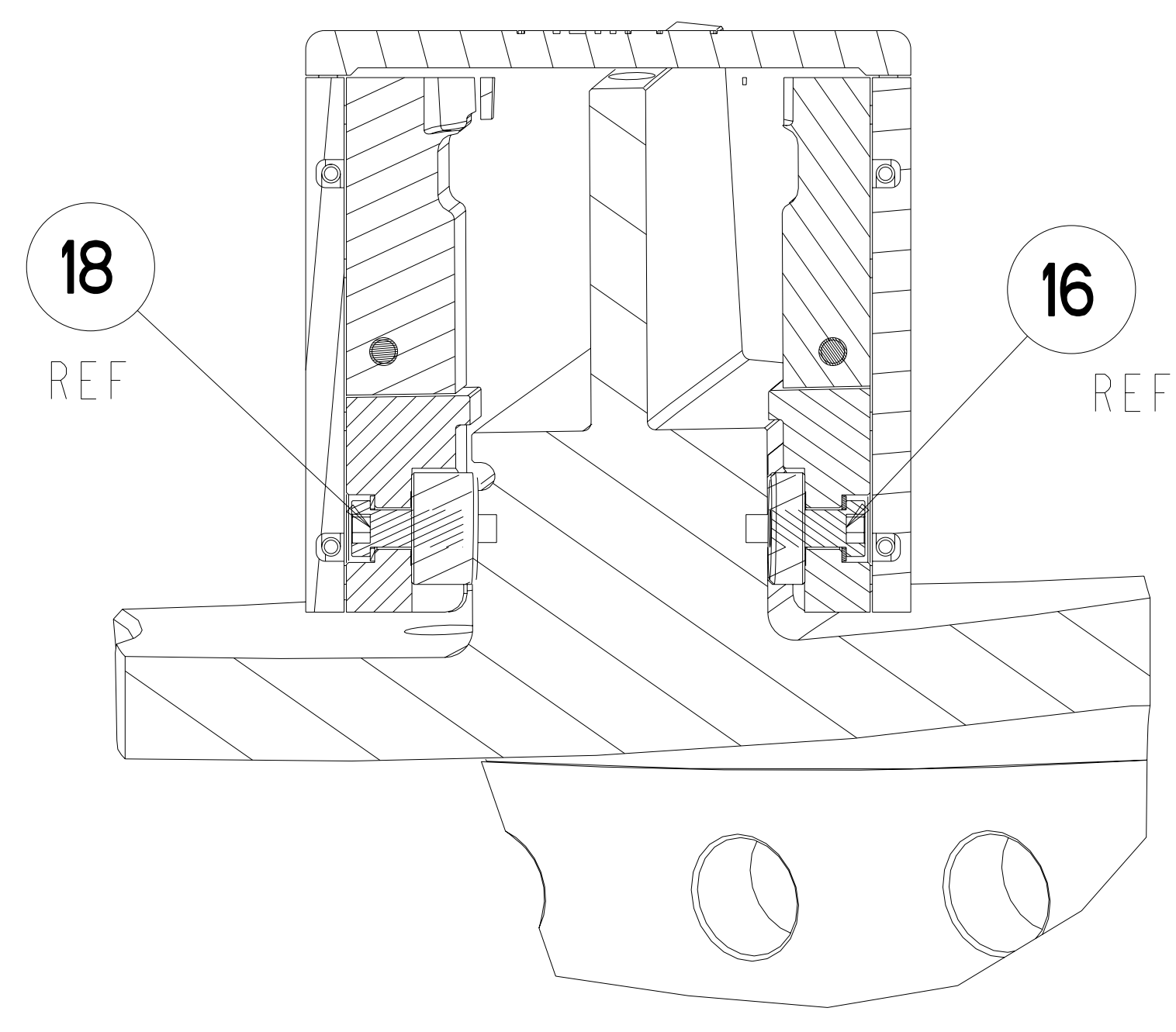
VERSION NO. 16+  
PLANT X-10  
BLDG 5700  
FL 3  
SHT 1  
OF 2  
TYPE S  
CLASS U  
RELEASE LEVEL WIP  
SEI42B-080  
REV 0



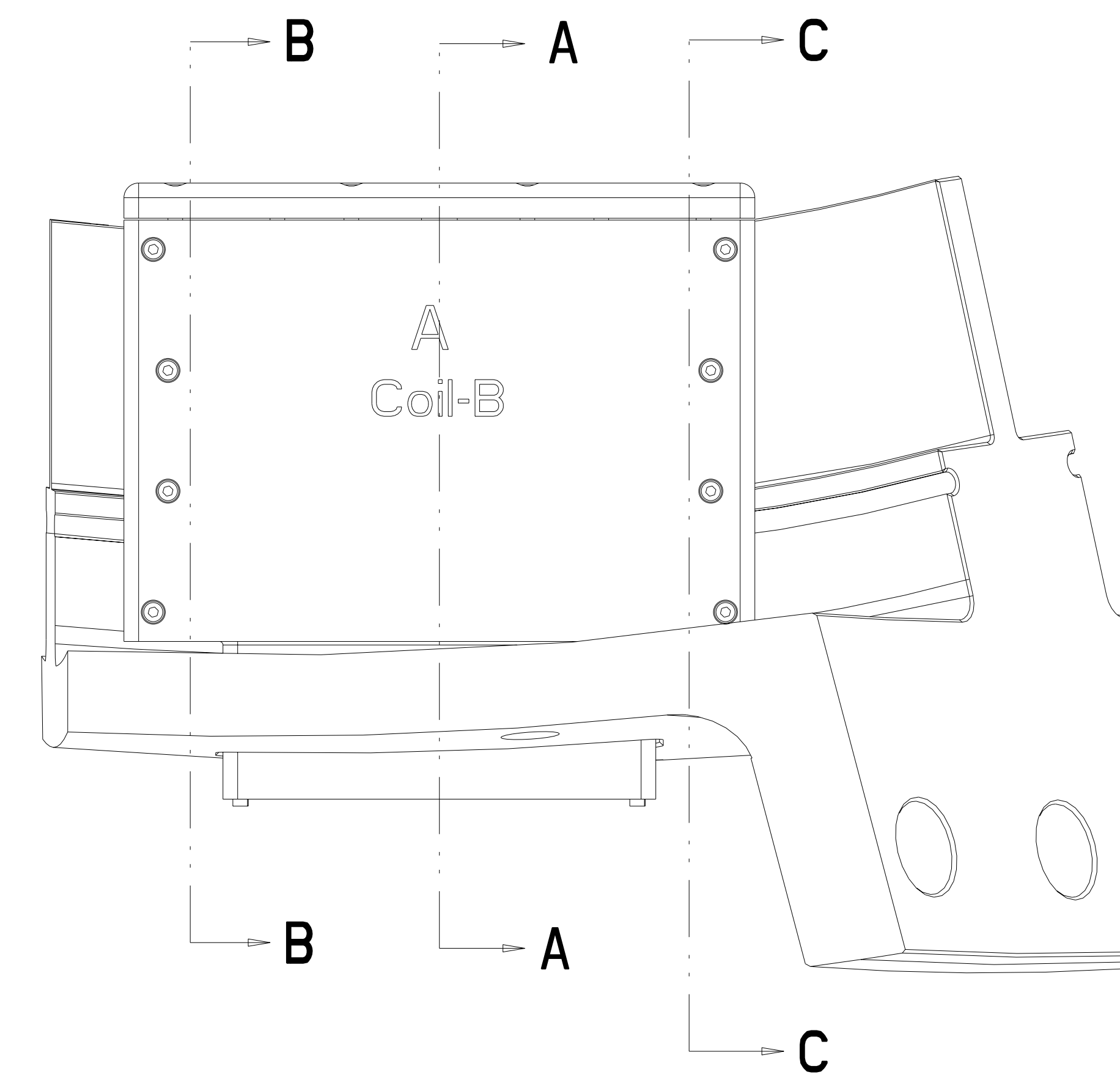
SECTION B-B



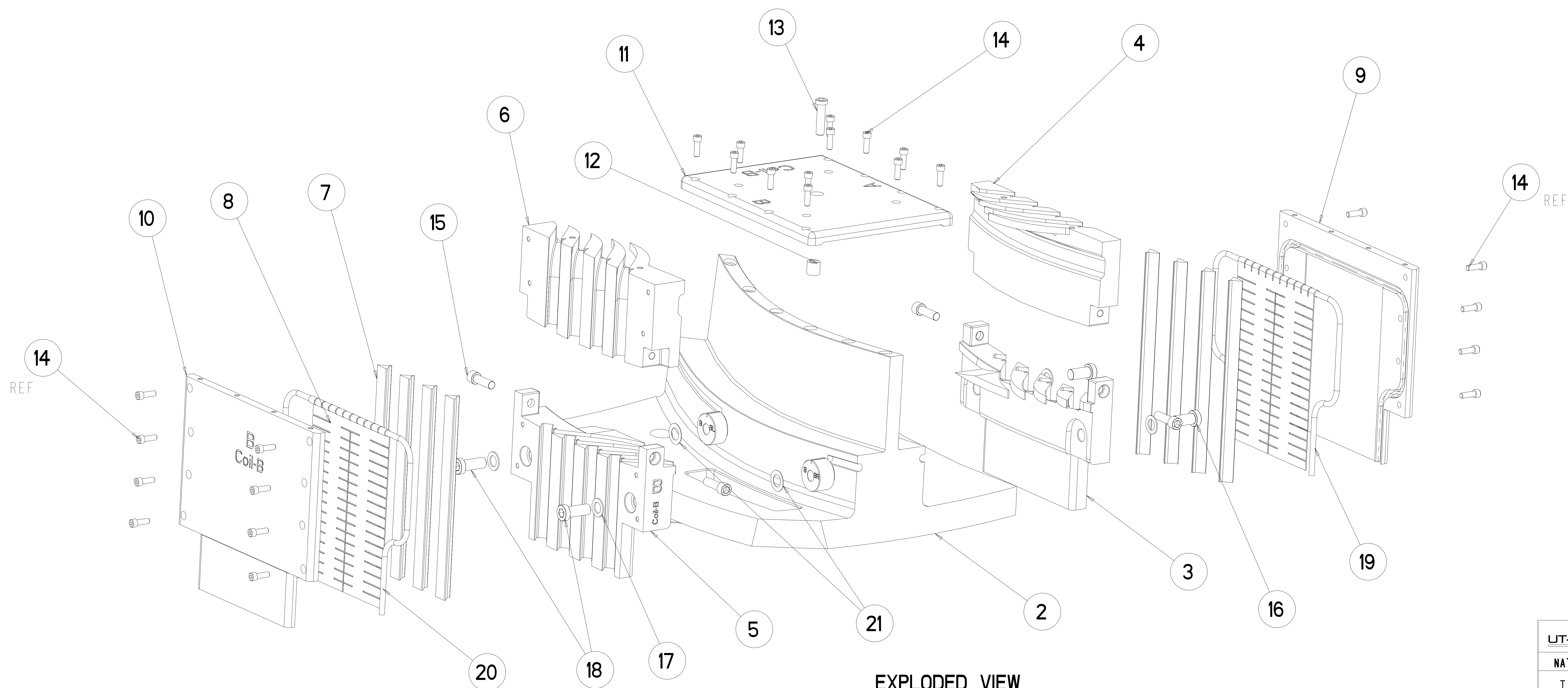
SECTION A-A



SECTION C-C



SIDE VIEW  
SCALE 0.500



EXPLODED VIEW

SCALE 0.500

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									
<b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b> <b>TYPE "B" LEADS WINDING BLOCKS ASSEMBLY</b>									
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS		
16+	X-10	5700	3	2	2	S	U		
RELEASE LEVEL	SE 142B-080							REV	
WIP								0	