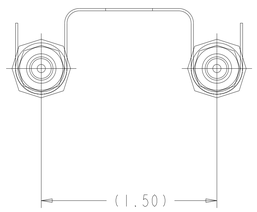
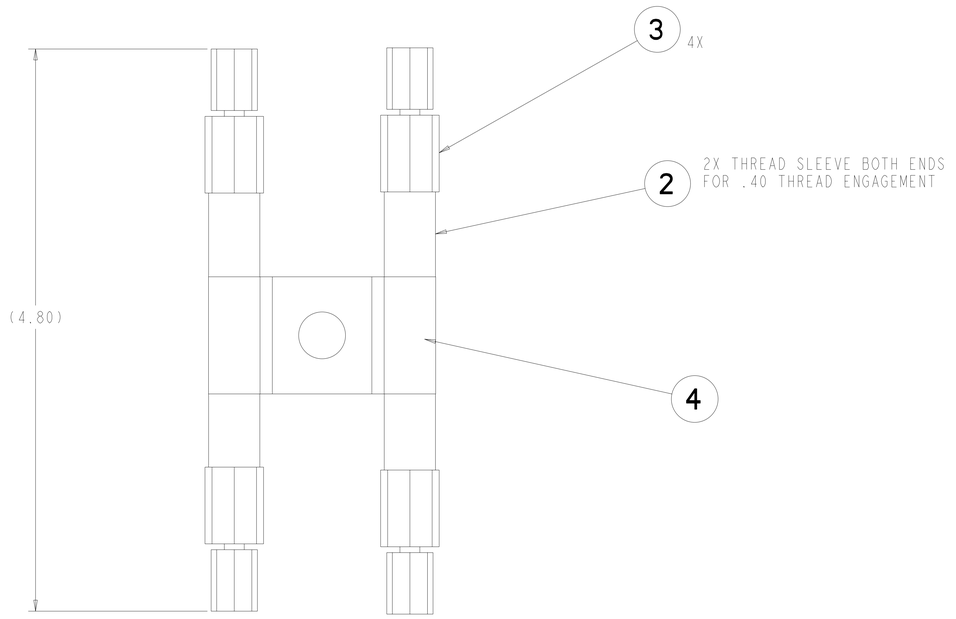
NOTES:
1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2000.
2. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
3. DIMENSIONS ARE IN INCHES
4. DIMENSIONS APPLY AT ROOM TEMPERATURE. OPERATING TEMP 80 K.
5. MAGNETIC PEREABILITY NOT TO EXCEED 1.02 AS TESTED BY A SEVERN INDICATOR AVAILABLE FROM:
   SEVERN ENGINEERING
   555 OLD STAGE ROAD, SUITE 14
   AUBURN, ALABAMA 36830

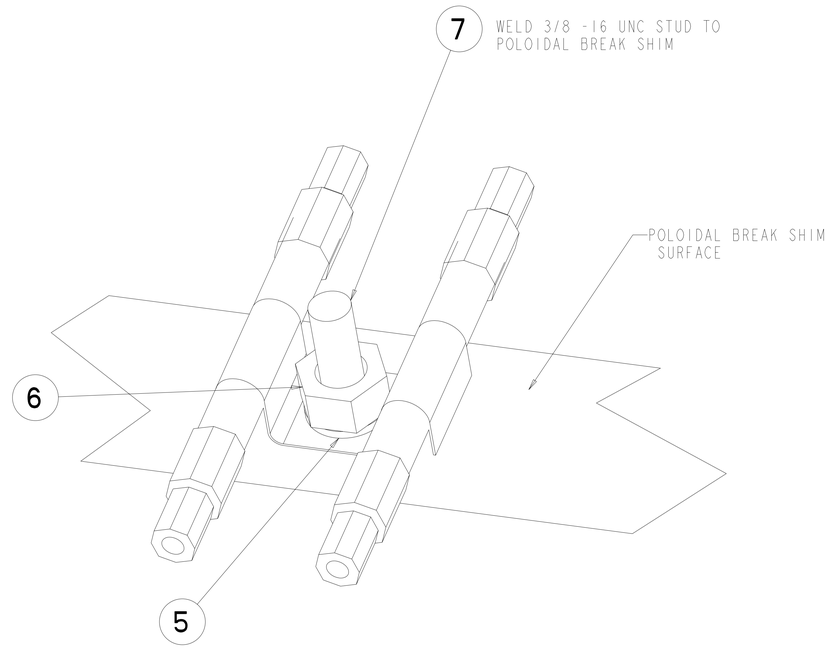




POLOIDAL BREAK CROSSOVER INSULATION

1

SCALE 2.00



ISOMETRIC VIEW

SCALE 2.00

	1		-7	STUD 3/8 -16UNC X 1.25"	UNS 31600		7
	1		94805A115	3/8-16UNC -2B HEX NUT	UNS 31600		6
	1		91950A031	Ø.41 ID .81 OD X .08 THK FLAT WASHER	UNS 31600		5
	1		SE140-026	CLAMP	UNS 31600		4
	4		-3	SWAGELOK TUBE FITTING SS-400-7-2			3
	2		-2	Ø7/16" OD X Ø1/4" ID X 3" INSULATOR SLEEVE	NEMA GRADE G-10CR	--	2
	1		SE140-025	BREAK CROSSOVER INSULATION			1
PART OF ASSY SE140-100	-	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
		NEXT ASSEMBLY		PARTS LIST			

SE140-025

RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting: Jerry Siegel 2007.11.28 14:12:33 -05'00'

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
0	INITIAL RELEASE	GLL										

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	D WILLIAMSON	07/07
DRW	G LOVETT	07/07
CHK	R MOON	07/07
SECT	:	:
DEPT	:	:
PE	D WILLIAMSON	07/07
CR	:	:
PJ	:	:
REQ	:	:
PPPL DRFT	JAY SIEGLE	07/07
	:	:
	:	:

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

POLOIDAL BREAK CROSSOVER INSULATION

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
15+	MDL	MDL	3	1	1	S	U

RELEASE LEVEL: Fabrication
SE140-025
REV 0

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