



SECTION A - A
SCALE 2

DETAIL A
SCALE 0.75

- NOTES:
1. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.1 OR PPL PPPL PROCEDURE ENG-037. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.1 Section 6.
 2. VENDOR TO CERTIFY THAT STOCK MATERIAL EXHIBITED MAGNETIC PERMEABILITY OF LESS THAN 1.02 Mu.
 3. IF AFTER WORKING OR MACHINING PART HAS MAGNETIC PERMEABILITY GREATER THAN 1.02 Mu, THEN PART IS TO BE VACUUM HEAT TREATED AT 1100°C FOR 2.5 HRS TO BRING THE MAGNETIC PERMEABILITY BELOW 1.02 Mu.
 4. SPECIAL PROCESS WITH HEAT SINK REQUIRED TO GAURENTEE COIL TEMPERATURE DOES NOT EXCEED 100°C FURTHER WELDING PROCESS DEVELOPMENT IS REQUIRED.

PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY RECD
7	SE133-031	TRIM COIL #1 GROUND-WRAPPED ASSEMBLY	COPPER/EPOXY	1
6	SE133-034-3F	CHANNEL SUPPORT CAP #3	316 SS/STL	1
5	SE133-034-3E	CHANNEL SUPPORT CAP #3	316 SS/STL	1
4	SE133-034-2F	CHANNEL SUPPORT CAP #2	316 SS/STL	1
3	SE133-034-1E	CHANNEL SUPPORT CAP #1	316 SS/STL	1
2	SE133-034-1D	CHANNEL SUPPORT CAP #1	316 SS/STL	1
1	SE133-067-1	TRIM COIL BASE SUPPORT	316 SS/STL	1

PARTS LIST

COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MACHINE SURFACES BREAK SHARP EDGES .005/.020	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT STELLARATOR CORE TRIM COILS TRIM COIL #5 WELDMENT	
DO NOT VERIFY INFORMATION BY SCALING DRAWING	TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .XX ±.000 0°-120° ±.010 .XXX ±.005 120°-120° ±.010 ANGULAR ±.0°-15° OVER 120° ±.010	DSN: R. UPCAUGE 6/10/08 CHK: M. KALISH 6/10/08 ENGR: M. KALISH 6/10/08 SUPV: J. SIEGEL 6/10/08	DRAWING NO: SE133-067 SHEET 1 OF 1 REV 0

WEIGHT
124.4 lbs

MODEL NAME
SE133-067-01

WELDING ENGINEER

RELEASE LEVEL: Fabrication
DWG VERSION NO: 8

NCSX-SE133-067