



RELEASED FOR FABRICATION/INSTALLATION
PPL Drafting

- NOTES:
- HARDWARE TO EXHIBITE MAGNETIC PERMEABILITY LESS THAN 1.05
 - A286 MATERIAL YIELD GREATER THAN OR EQUAL TO 180 KSI FOR BOLTS.
 - BOTH SPRING WASHERS TO BE CUPPED CONVEXED UNDER NUTS "(C)" AND TIGHTENED TO FLAT FOR MINIMUM PRE LOAD FORCE OF 5,800 LBS.

PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY REQD
20	SE133-083	TRIM COIL BRACKET #4, UPPER LEFT	INCONEL 625	1
19	SE133-082	TRIM COIL BRACKET #3 & #4 SPACER	316 SS/STL	1
18	SE133-081	TRIM COIL BRACKET #3 & #4, LOWER LEFT/RIGHT	INCONEL 625	2
17	SE133-079	TRIM COIL BRACKET #3 & #4, UPPER LEFT/RIGHT	INCONEL 625	1
16	SE133-073	TRIM COIL WIRE #2	12 GAUGE WIRE	1
15	SE133-072	TRIM COIL WIRE #1	12 GAUGE WIRE	1
14	SE133-071	COIL TO WIRE CONNECTOR	SILICON BRONZE (DURUM)	2
13	SE133-070	COVER, COIL CONNECTION HOUSING	G10	1
12	SE133-069	COIL CONNECTION HOUSING	G10	1
11	SE133-068-8	INSULATOR #8	G10	2
10	SE133-068-7	INSULATOR #7	G10	1
9	SE133-068-6	INSULATOR #6	G10	1
8	SE133-068-1	INSULATOR #1	G10	15
7	SE133-066-01	TRIM COIL, #4 WELDMENT	SEE DETAILS	1
6	SE133-031	TRIM COIL #1 GROUND-WRAPPED ASSEMBLY	COPPER/EPOXY	1
5	NS151377	3/8 FLAT WASHER, HEAVY	ALLOY A-286	75
4	NS150280	3/8-16 UNC HEAVY HEX NUT	ALLOY A-286	27
3	NS150176	3/8-16 UNC x 2 1/4 BOLT, HEX HEAD	ALLOY A-286	31
2	NS150175	3/8-16 UNC x 1 3/4 BOLT, HEX HEAD	ALLOY A-286	2
1	6EH89718	3/8 DISC SPRING 2900 LBS. (P max) SOLON MANUFACTURING	INCONEL	64

FOR ALL BOLTS ATTACHED TO MOUNTING BRACKETS W/ G10 INSULATOR. ADD TEFLON TAPE TO INSULATE BOLT FROM TOUCHING BRACKETS.

RELEASE LEVEL: Fabrication
DWG VERSION NO: 18

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 PRINCETON UNIVERSITY NATIONAL COMPACT STELLARATOR EXPERIMENT STELLARATOR CORE TRIM COILS TRIM COIL, #4 ASSEMBLY
DO NOT VERIFY INFORMATION BY SCALING DRAWING	TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .XX +/- .000 .XXX +/- .005 ANGULAR +/- .015	DSN: R. UPCAUGE 6/9/08 CHK: M. KALISH 6/9/08 ENGR: M. KALISH 6/9/08 SUPV: J. SIEGEL 6/9/08
WEIGHT 356.1 lbs	MODEL NAME SE133-061	DRAWING NO: SE133-061
WELDING ENGINEER	NEXT ASSEMBLY	SHEET 1 OF 1 REV 0

NCSX-SE133-061