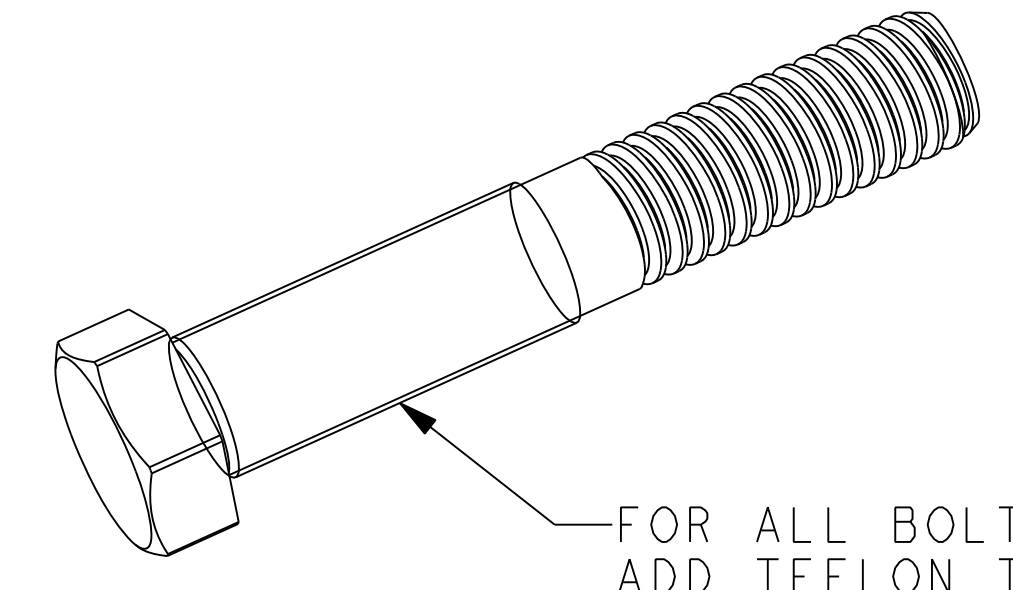


PART NO.	DRAWING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY	RECD
21	SEI33-087	TRIM COIL BRACKET #5, LOWER RIGHT	INCONEL 625	1	
20	SEI33-086	TRIM COIL BRACKET #5, LOWER LEFT	INCONEL 625	1	
19	SEI33-085	TRIM COIL BRACKET #5, UPPER RIGHT	INCONEL 625	1	
18	SEI33-084	TRIM COIL BRACKET #5, UPPER LEFT	INCONEL 625	1	
17	SEI33-073	TRIM COIL WIRE #2	12 GAUGE WIRE	1	
16	SEI33-072	TRIM COIL WIRE #1	12 GAUGE WIRE	1	
15	SEI33-071	COIL TO WIRE CONNECTOR	SILICON BRONZE (DURIUM)	2	
14	SEI33-070	COVER, COIL CONNECTION HOUSING	G10	1	
13	SEI33-069	COIL CONNECTION HOUSING	G10	1	
12	SEI33-068-5	INSULATOR #5	G10	1	
11	SEI33-068-4	INSULATOR #4	G10	1	
10	SEI33-068-3	INSULATOR #3	G10	2	
9	SEI33-068-1	INSULATOR #1	G10	14	
8	SEI33-067-01	TRIM COIL, #5 WELDMENT	SEE DETAILS	1	
7	SEI33-031	TRIM COIL #1 GROUND-WRAPPED ASSEMBLY	COPPER/EPOXY	1	
6	NS151378	3/8 FLAT WASHER, STANDARD	ALLOY A-286	8	
5	NS151377	3/8 FLAT WASHER, HEAVY	ALLOY A-286	60	
4	NS150280	3/8-16 UNC HEAVY HEX NUT	ALLOY A-286	29	
3	NS150176	3/8-16 UNC x 2 1/4 BOLT, HEX HEAD	ALLOY A-286	26	
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	60	

RELEASED FOR FABRICATION/INSTALLATION  
PPPL 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.



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: 21

WEIGHT 240.1 lbs	COMPUTER GENERATED DRAWING MANUAL CHANGES NOT PERMITTED Pro E	CENTRAL FILES: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES MACHINE SURFACES UNLESS SHOWN OTHERWISE BREAK SHARP EDGES .005/.020	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL COMPACT STELLARATOR EXPERIMENT STELLARATOR CORE TRIM COILS TRIM COIL, #5 ASSEMBLY		
MODEL NAME SEI33-062	DO NOT VERIFY INFORMATION BY SCALING DRAWING	TOLERANCES NON-CUMULATIVE DECIMAL-INCH FRACTIONS .XX ±.000 .XXX ±.005 ANGULAR ±.0°-15°	DSN: R. UPKAVAGE 6/9/08	CHK: M. KALISH 6/9/08	DRAWING NO: <b>SEI33-062</b>
WELDING ENGINEER	NEXT ASSEMBLY		ENGR: M. KALISH 6/9/08	SUPV: J. SIEGEL 6/9/08	SHEET 1 OF 1 REV 0

NCSX-SEI33-062