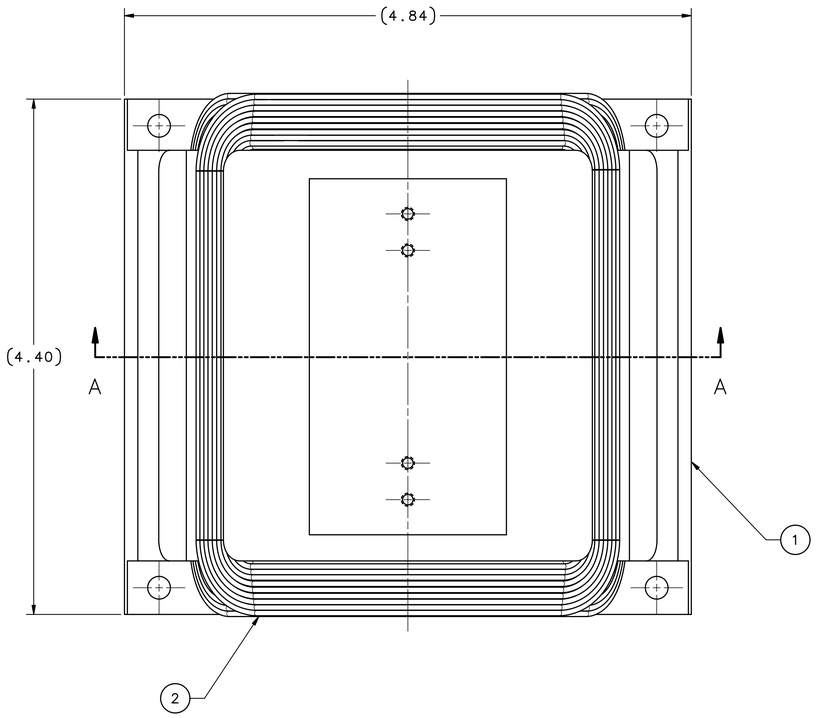
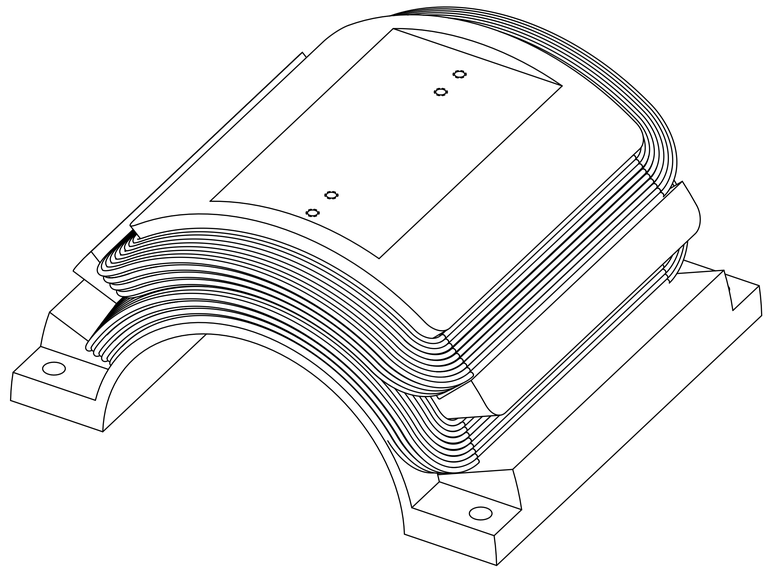
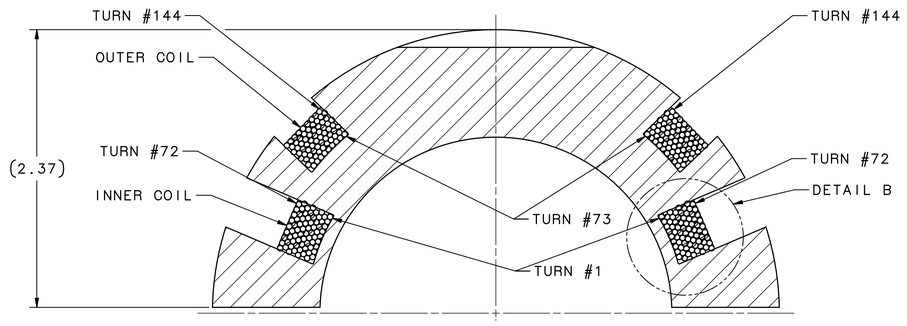
REVISION HISTORY			
ZONE	REV	DESCRIPTION	DATE/REVISER



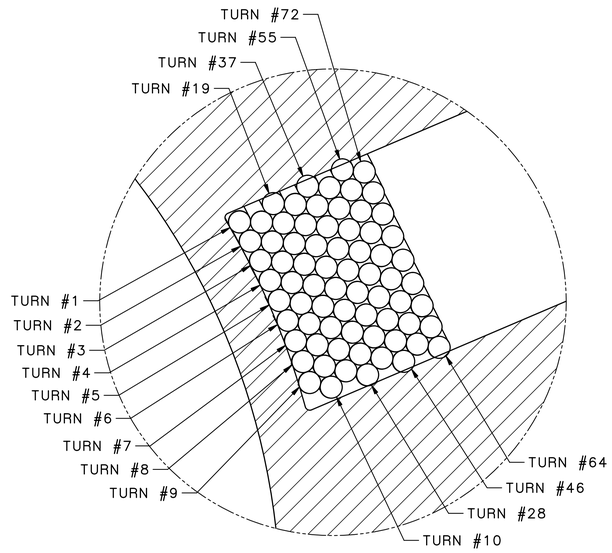
TOP VIEW



ISOMETRIC VIEW



SECTION A-A



DETAIL B

SCALE 8:1
(WIRE WRAPPING)

NOTES:

1. WIRE SHALL BE #17 AWG COPPER WIRE WITH POLYIMIDE HEAVY FILM INSULATION.

2. COIL WITH 1.614" RADIUS (INNER COIL) IS 9 TURNS WIDE BY 8 LAYERS THICK WOUND HEXAGONAL CLOSE PACK, 72 TURNS TOTAL.

3. COIL WITH 1.978" RADIUS (OUTER COIL) IS 9 TURNS WIDE BY 8 LAYERS THICK WOUND HEXAGONAL CLOSE PACK, 72 TURNS TOTAL.

4. THE TWO (INNER AND OUTER) COILS ARE WOUND IN THE SAME HAND SO THE MAGNETIC FIELDS PRODUCED ARE ADDITIVE.

5. THE TOTAL LENGTH OF THE TWO (INNER AND OUTER) COILS IS ESTIMATED AT 244 FEET. EACH COIL SHALL BE WOUND OF A SINGLE, UN-INTERRUPTED LENGTH OF COPPER WIRE. THE TWO COILS MAY BE WOUND OF A SINGLE UN-INTERRUPTED LENGTH IF THE VENDOR'S PROCESSES ARE COMPATIBLE WITH THIS. THE TWO LEADS OF EACH COIL, IF WOUND SEPARATELY, SHALL BE BROUGHT OUT ON THE SAME END OF THE FORM. IF THE TWO COILS ARE WOUND WITH ONE WIRE, BRING THE START AND END LEADS OUT ON THE SAME END AND AT AS CLOSE TO THE SAME ANGLE AS FEASIBLE. LEADS SHALL BE 8" LONG.

QTY. REQD	ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	NOTES
ABT 244	2	-	#17 AWG WIRE	COPPER	1
1	1	JL0087295	COIL FIXTURE	-	

PARTS LIST

EACH SHEET OF MULTI-SHEET DRAWINGS SHALL ALWAYS HAVE THE SAME REVISION LEVEL.

DIM & TOL PER ASME Y14.5 2009. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ± 1/8; DECIMAL .X ± .1, .XX ± .01, .XXX ± .005; ANGLES ± .50°

THIRD ANGLE PROJECTION

MATERIAL: SEE PARTS LIST

FINISH MACHINED SURFACES 125 UNLESS OTHERWISE NOTED
DEBURR & BREAK ALL SHARP EDGES

DO NOT SCALE DRAWING

DRAWN: E. SKJOLDAGER
DATE: 28OCT19

United States Department of Energy — Jefferson Lab, Thomas Jefferson National Accelerator Facility — Newport News Virginia

CEBAF INJECTOR
200KeV GUN
Y CHAMBER DIPOLE
COIL FIXTURE WIRE ASSEMBLY

SIZE: E
DWG. NO.: JL0087835
REV.: —
SCALE: 2:1
USED ON ASSY NO.: -
SHEET 1 OF 1