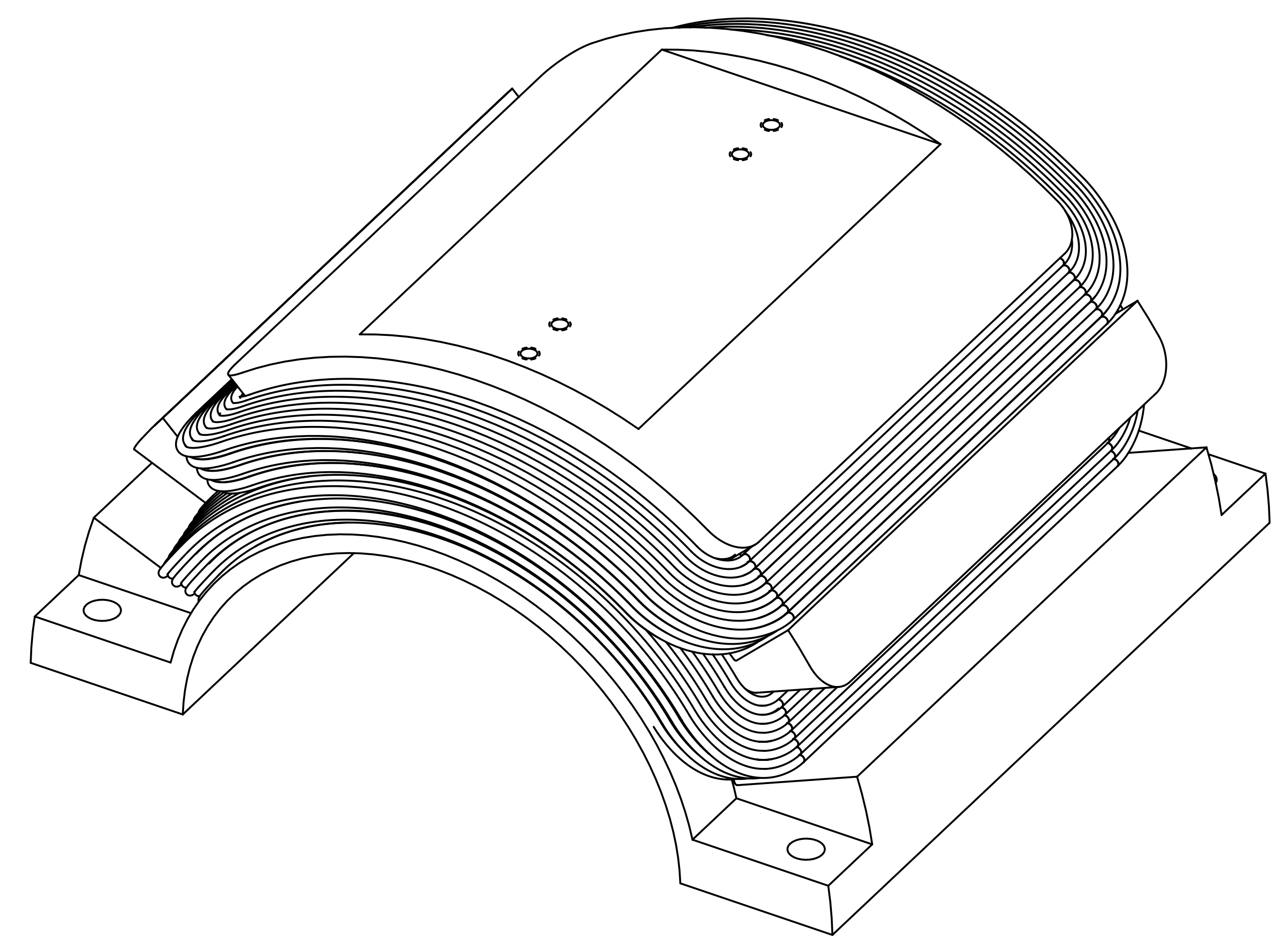
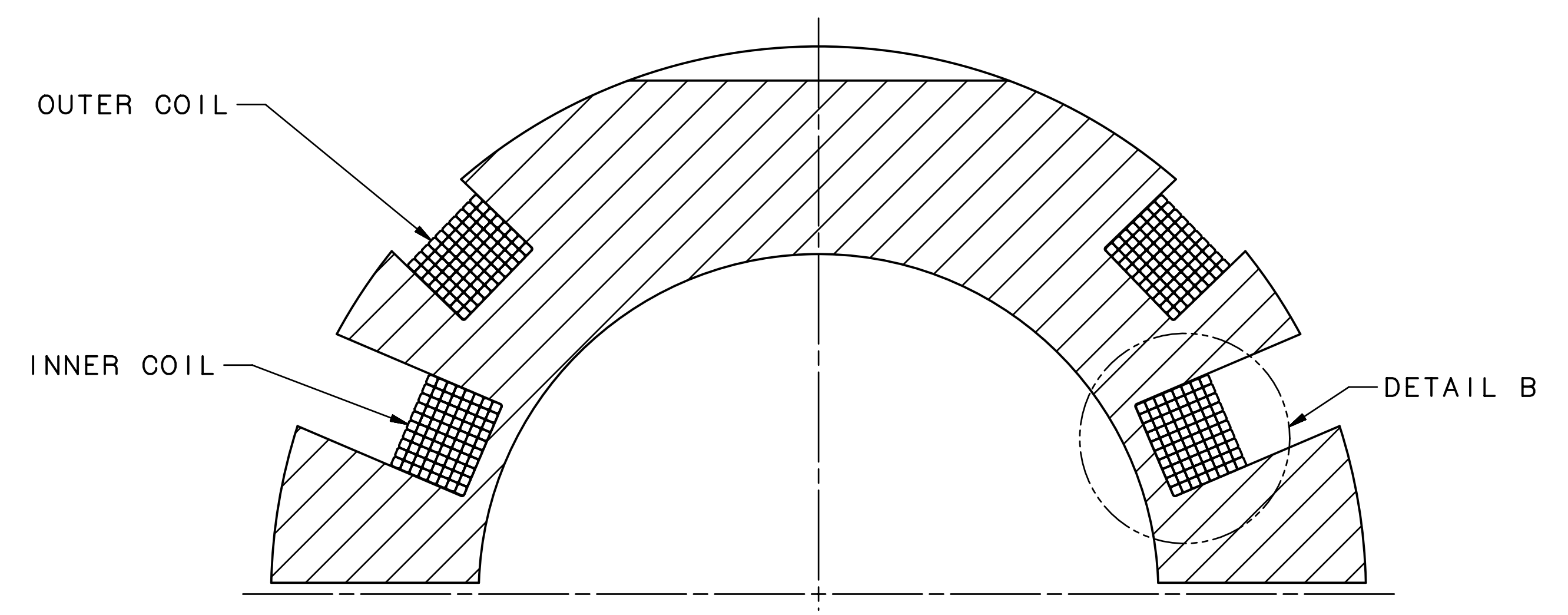


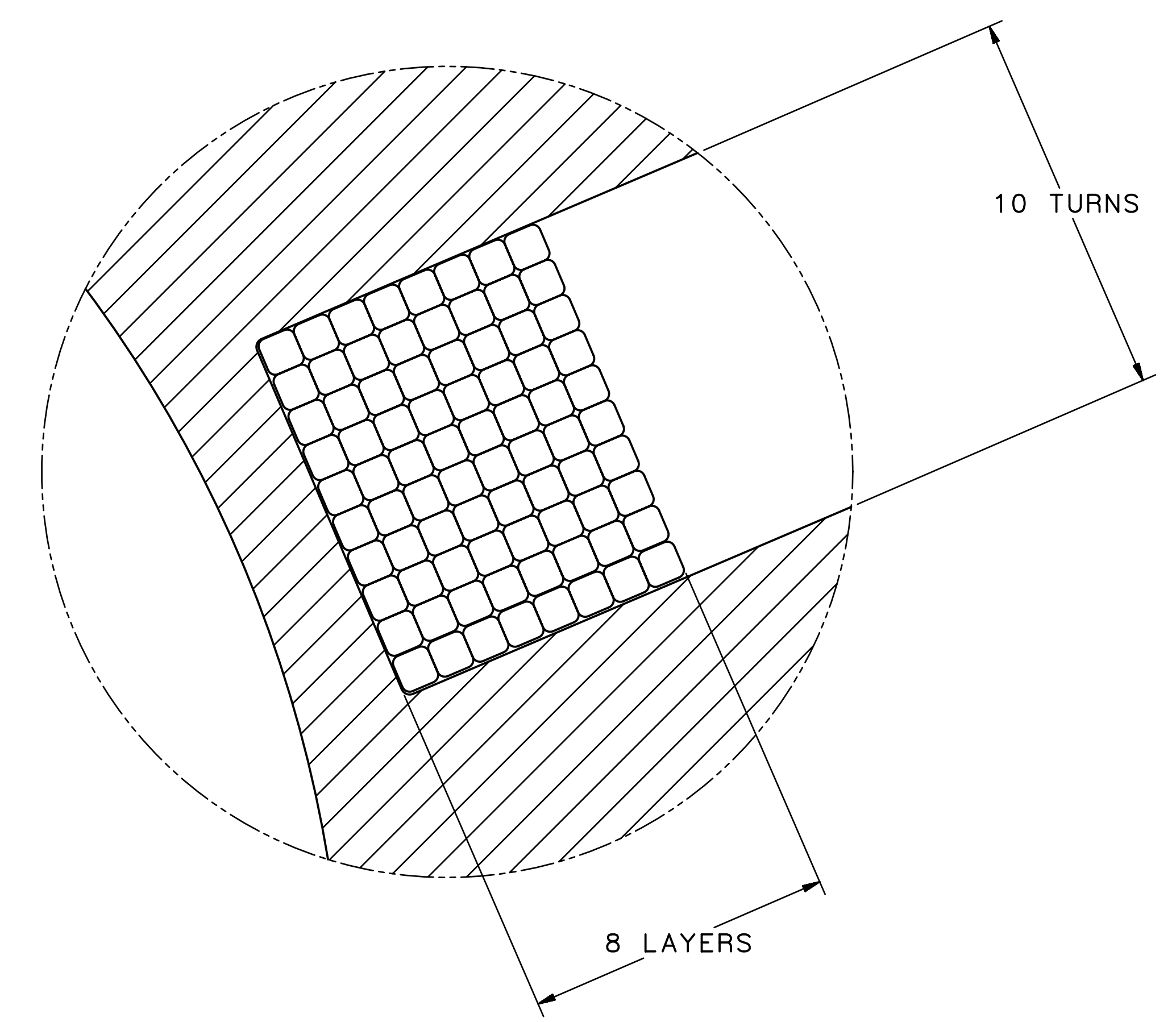
TOP VIEW



ISOMETRIC VIEW



SECTION A-A



DETAIL B

SCALE 8:1  
(WIRE WRAPPING)

NOTES:

1. WIRE SHALL BE #18 AWG SQUARE COPPER WIRE WITH POLYIMIDE HEAVY FILM INSULATION.
2. COIL ON 1.614 FLAT (INNER COIL) IS 10 TURNS WIDE BY 8 LAYERS THICK, 80 TURNS TOTAL.
3. COIL ON 1.968 FLAT (OUTER COIL) IS 10 TURNS WIDE BY 8 LAYERS THICK, 80 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 275 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	ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	NOTES
ABT 275'	2	-	#18 AWG SQUARE WIRE	COPPER	1
1	1	JL0087295	COIL FIXTURE	-	-

PARTS LIST					
EACH SHEET OF MULTI-SHEET DRAWINGS SHALL ALWAYS HAVE THE SAME REVISION LEVEL.					
DWG & TOL PER ASME Y14.5 2009. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	MATERIAL	SEE PARTS LIST	United States Department of Energy	Jefferson Lab Thomas Jefferson National Accelerator Facility	Newport News Virginia
TOLERANCES ARE: FRACTIONS ± 1/16 DECIMAL ± .01 ANGLES ± 30°	FINISH: MACHINED SURFACES DEBUR & BREAK ALL SHARP EDGES	UNLESS OTHERWISE NOTED	CEBAF INJECTOR 200keV GUN Y CHAMBER DIPOLE COIL FIXTURE WIRE ASSEMBLY		
THIRD ANGLE PROJECTION	DO NOT SCALE DRAWING	SIZE DWG. NO. JL0087835	DATE 28OCT19	SCALE 2:1	REV. -
DRAWN E. SKJOLDAGER	DATE 28OCT19	SCALE 2:1	ISS IN ASSY NO. JL0089843	SHEET 1	OF 1