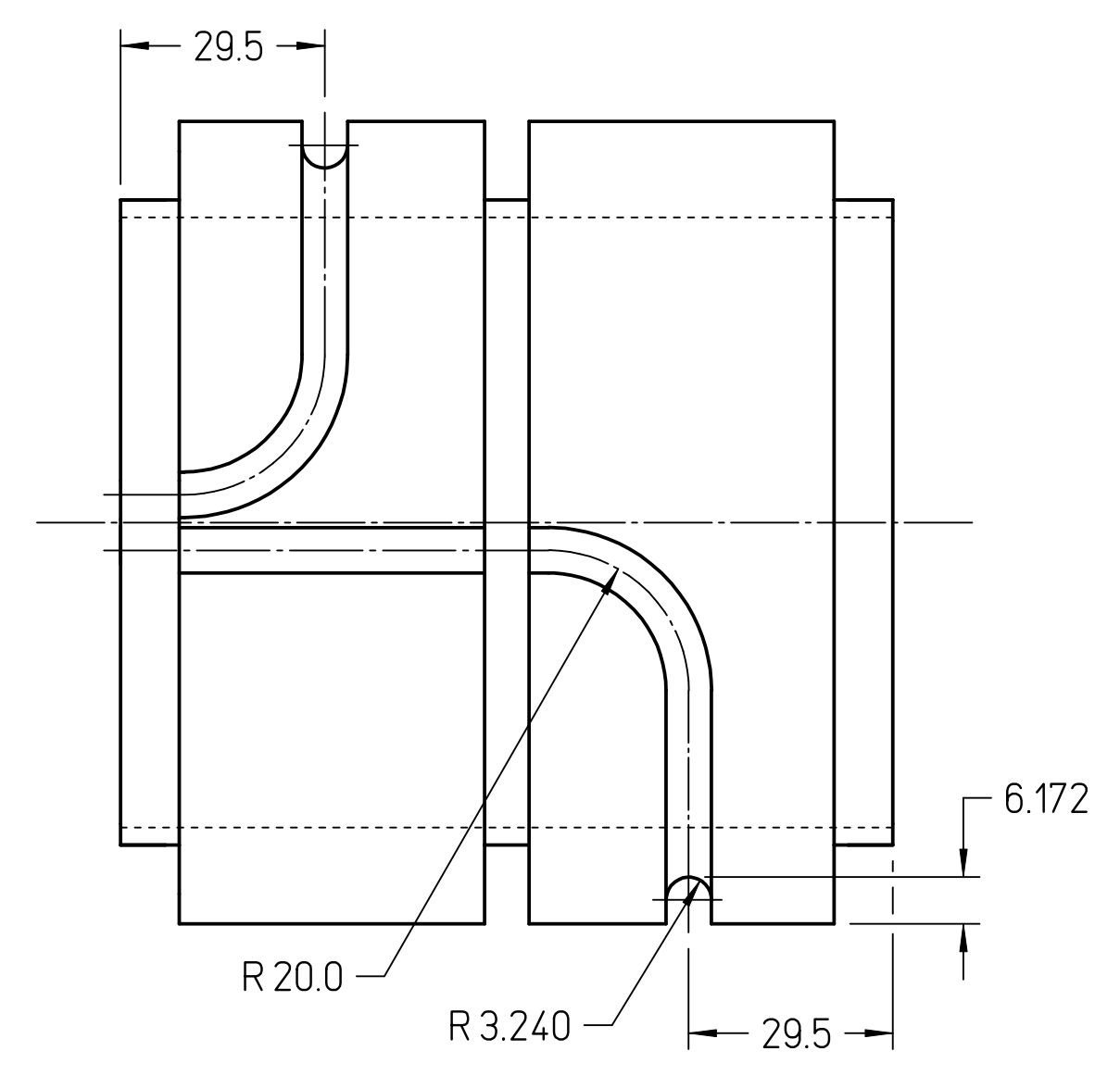
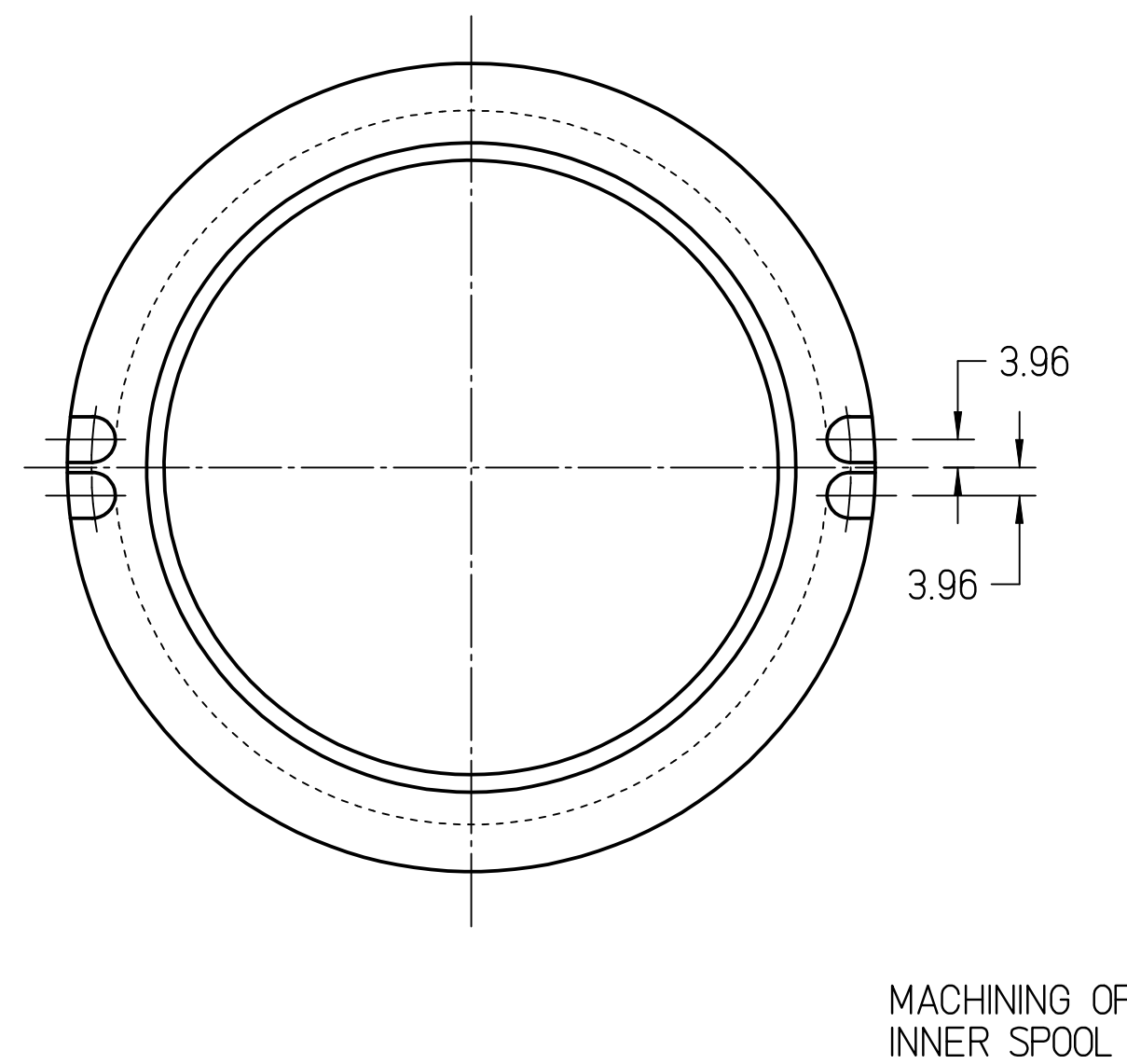
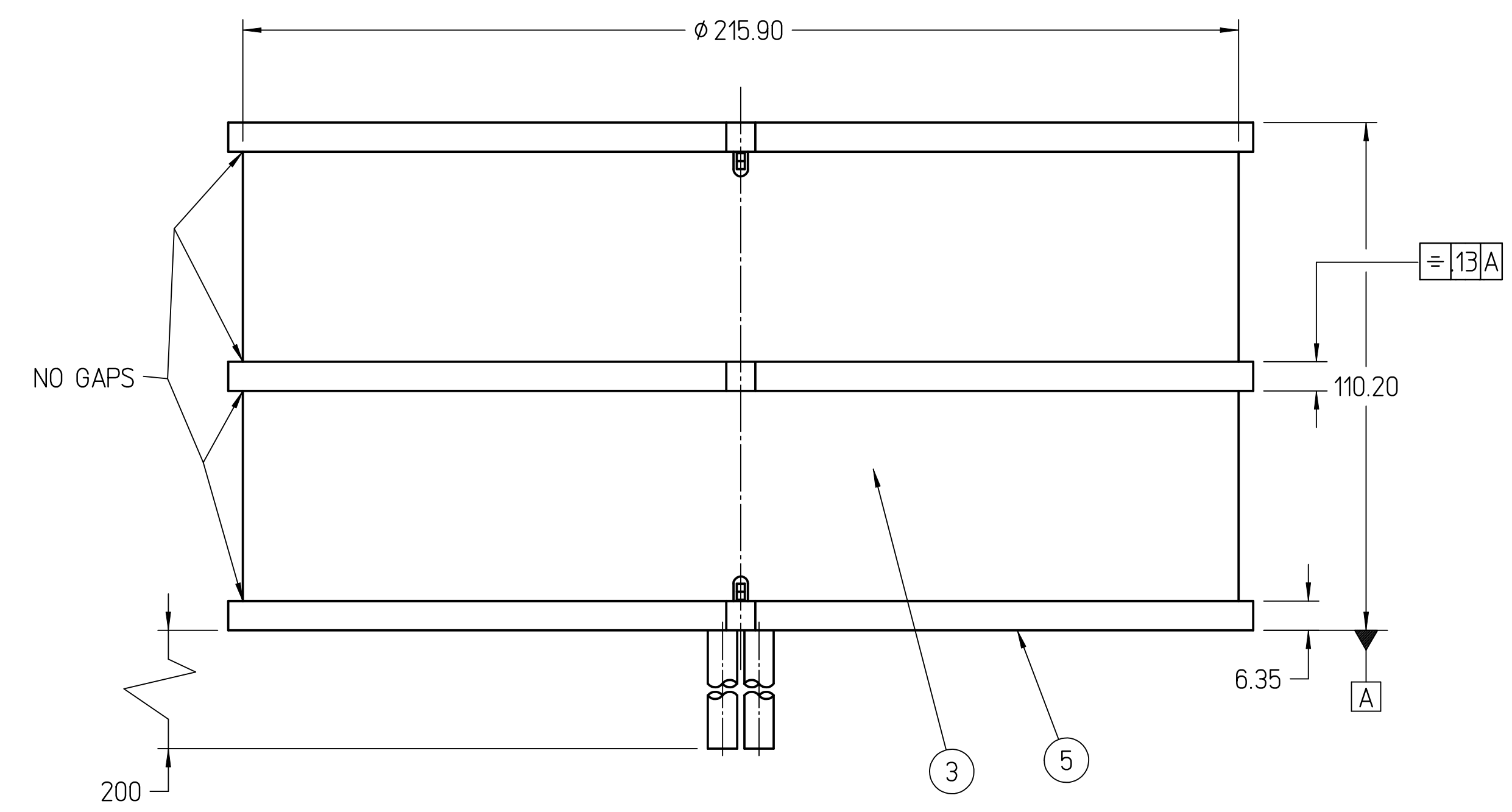
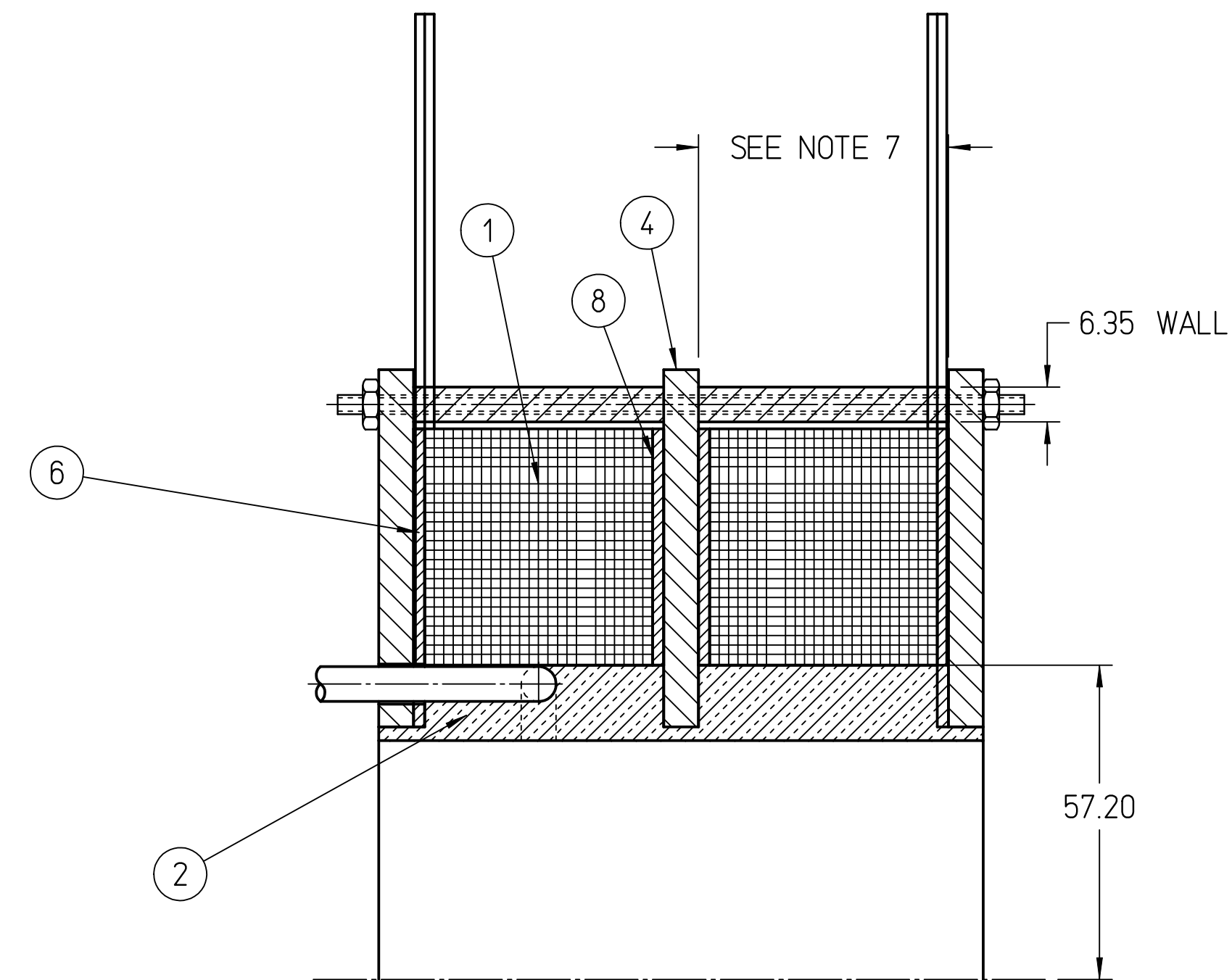
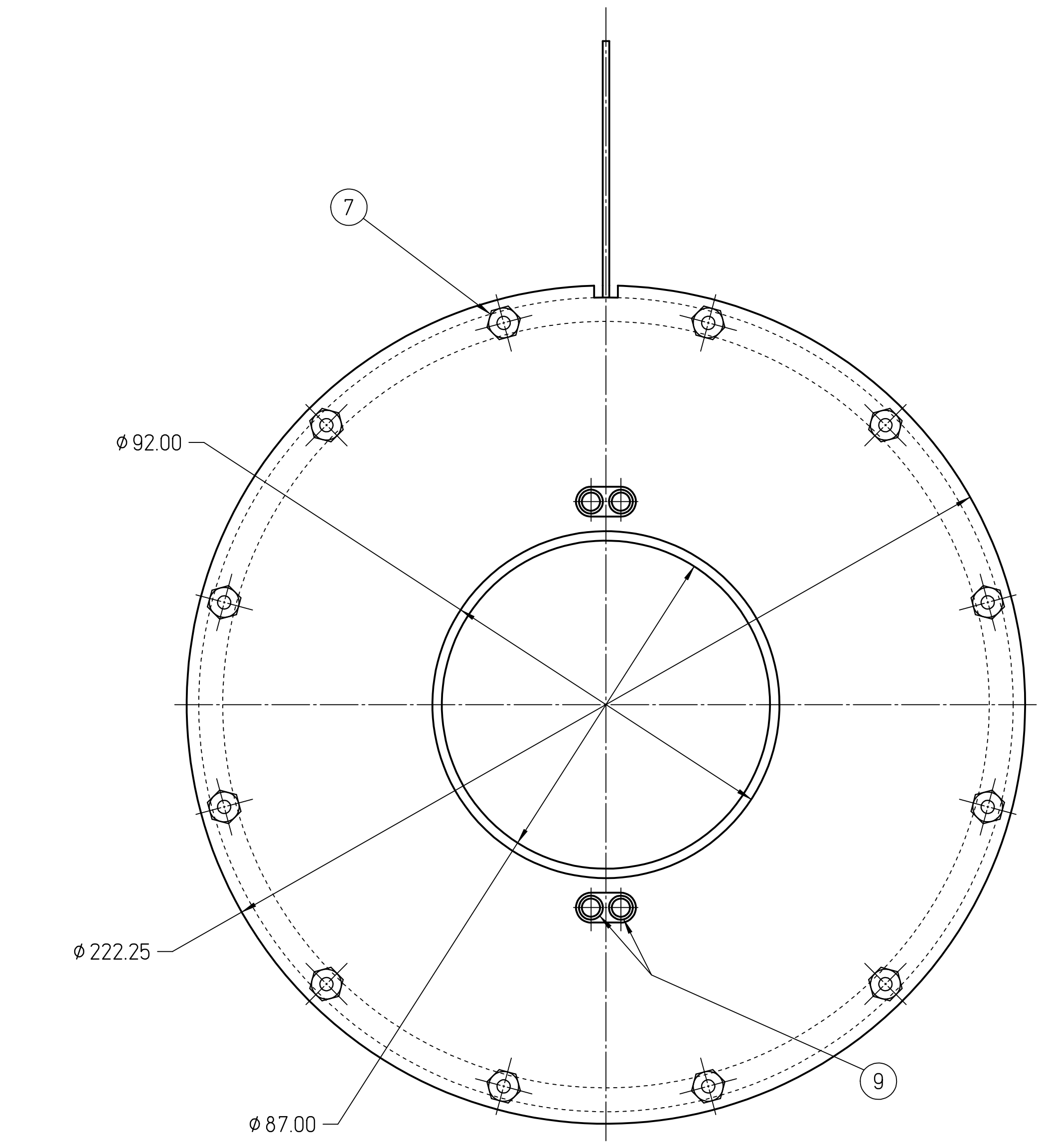


REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED



NOTES

- SEE SPECIFICATION MEG0002019-S002 FOR MANUFACTURING AND DESIGN PARAMETERS OF COIL AND SOLENOID ASSEMBLY.
- ESTIMATED WEIGHT = 65 LBS.
- THERE SHALL BE SLIGHT CLEARANCE FITS BETWEEN THE OUTSIDE DIAMETERS OF THE INNER SPOOL AND THE INSIDE DIAMETERS OF ALL THE MATING PARTS.
- ALL DIAMETERS OF THE INNER SPOOL AND THE END PLATES SHALL BE CONCENTRIC FOR FIDUCIALIZATION PURPOSES OF THE ASSEMBLY.
- STEEL FOR ITEMS 4 AND 5 SHALL COME FROM THE SAME STOCK TO MINIMIZE VARIATION IN MATERIAL THICKNESS.
- COPPER FOR ITEMS 6 AND 8 SHALL COME FROM THE SAME STOCK TO MINIMIZE VARIATION IN MATERIAL THICKNESS.
- OUTER SPOOL (ITEM 3) SHALL BE MACHINED TO LENGTH TO EQUAL THE MEASURED THICKNESS OF THE COIL (ITEM 1) AND THE INNER AND OUTER COPPER ANNULI (ITEMS 6 AND 8).



QTY REQD	ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	NOTES
2	9		COOLING TUBE, 1/4" O.D. X .03" WALL	COPPER	
2	8		INNER COPPER ANNULUS	2mm THK COPPER	
12 SETS	7		#6 THREADED ROD, WASHERS AND NUTS	STEEL	
2	6		OUTER COPPER ANNULUS	2mm THK COPPER	
2	5		END PLATE	STEEL	
1	4		CENTER ANNULUS	6.35mm THK STEEL	
2	3		OUTER SPOOL	STEEL	NOTE 7
1	2		INNER SPOOL	COPPER	
2	1	SKETCH 1	COIL	COPPER	

DOCUMENT CONTROL STAMP	DIM & TOL PER ASME Y14.5 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: FRACTIONS DECIMAL ANGLES X ± .08 XXX ± .125	TRACKING NO. N/A	U.S. Department of Energy Office of Science	Jefferson Lab Thomas Jefferson National Accelerator Facility	Operated by Jefferson Science Associates, LLC
MATERIAL AS NOTED	THIRD ANGLE PROJECTION	APPROVALS	DATE 29APR19	CEBAF INJECTOR 200 KeV GUN INJECTOR SOLENOIDS LOW MOMENTUM CHOPPER	
FINISH MACHINED SURFACES UNLESS OTHERWISE NOTED DEBURR & BREAK ALL SHARP EDGES	DO NOT SCALE DRAWING	DRAWN D. MACHE	CHECKED	APPROVED	APPROVED
		APPROVED		SIZE DWG. NO. D	REV. -
				SCALE 1:1	USED ON ASSY NO. N/A SHEET 1 OF 1