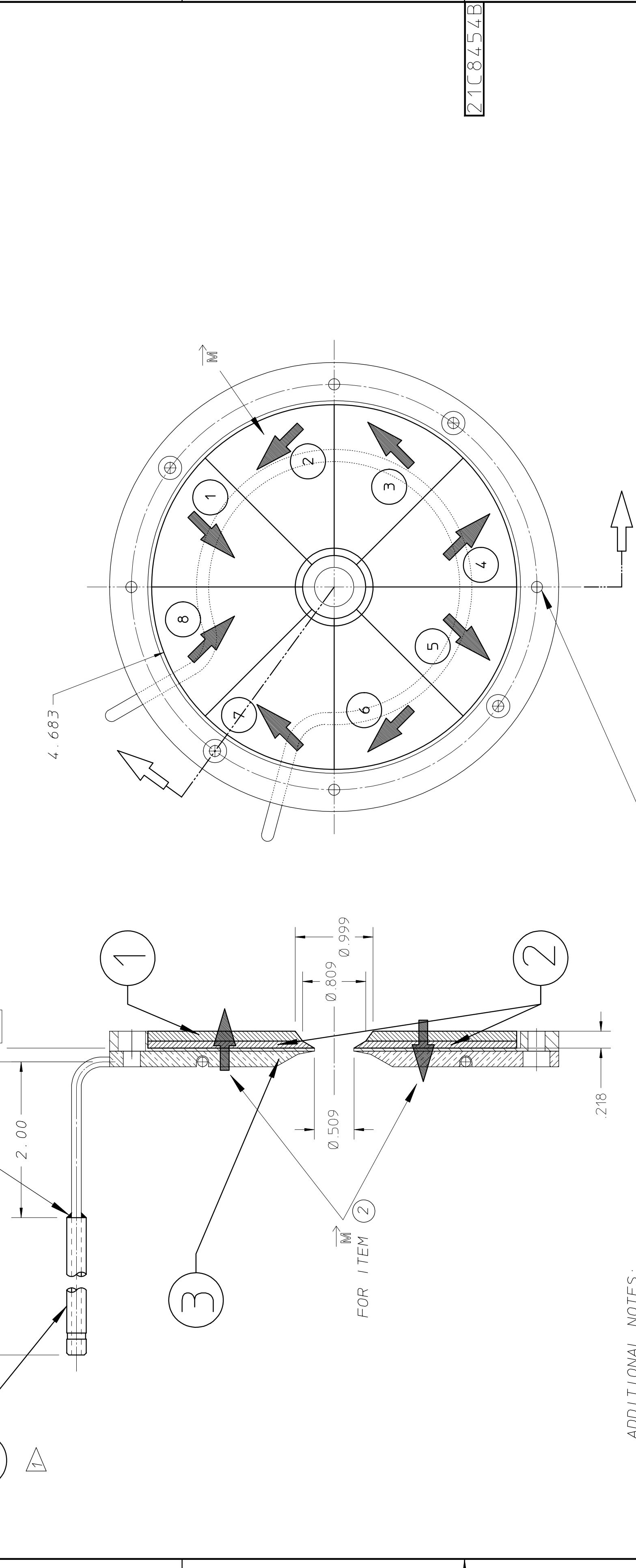


D B C A

REQ	ITEM	PART NUMBER	DESCRIPTION
8	1	21C9942	MAIN MAGNET
2	2	21C9952	BLOCKER MAGNET
1	3	21C8454	OUTLET ELECTRODE IRON PLATE W/ COOLING TUBE
2	4	21G7711-2	LEGRIS WATER FITTING PREP. LONG. CUT TO LENGTH



ADDITIONAL NOTES:
 1 VAC. TITRATION POINT SHALL BE WELDED AFTER MAGNETS HAVE BEEN INSTALLED.

NOTE:
 INDEX MAGNETS BASED ON THIS VERTICAL AXIS THRU THIS HOLE (NOTE THE COOLING TUBE ORIENTATION ON LEFT OF AXIS)

1	225°
2	135°
3	45°
4	315°
5	225°
6	135°
7	45°
8	315°

DIRECTION OF ARROWS FOR MAGNETIZATION INDICATE THE "NORTH" SIDE OF THE MAGNET (I.E. A COMPASS NEEDLE POINTS OPPOSITE DIRECTION)

⊕.002A|B|C

UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		LAWRENCE BERKELEY LABORATORY	
X ± .1	FAC. ± 1/64	ACCT. NO.	SERIAL NO.	UNIVERSITY OF CALIFORNIA-BERKELEY	
.XX ± .01	ANGLES ± .01°	DATE ISSD	DATE RECD.	SNS - FRONT END SYSTEM	
XXX ± .001	FINISH 125.7	DELIVER TO	NO. RECD.	ION SOURCE PROTOTYPE DESIGN	
TOLERANCES		SURFACE TREATMENT		OUTLET ELECTRODE MAGNET SPECIFICATION	
THREADS ARE CLASS 2		DEGREASE		PATENT CLEAR	
CHAMFER ENDS OF ALL SCREW THREADS 30°		IDENT. METH.		DWG. TYPE	
CUT 1.5 PITCH THRO RELIEF WITH ROUND NOSE TOOL ON MACHINE CUT THREADS.		TAG		ASSEMBLY	
BREAK EDGES .016 MAX. ON MACHINED WORK		BY: S. MUKHERJEE		DESIGN ACT. NO.	
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE		DATE 04-06-99		CATEGORY CODE	
REFERENCES: ANS I 14.5 & B46.1.		CHK: M. LEITNER		DWG. NO.	
REV DWG		DATE		SIZE	
CHG ZONE		CHANGES		21C9963	
DATE		DATE		REV.	
		04-30-99		B	

4 3 2 1 A B C D