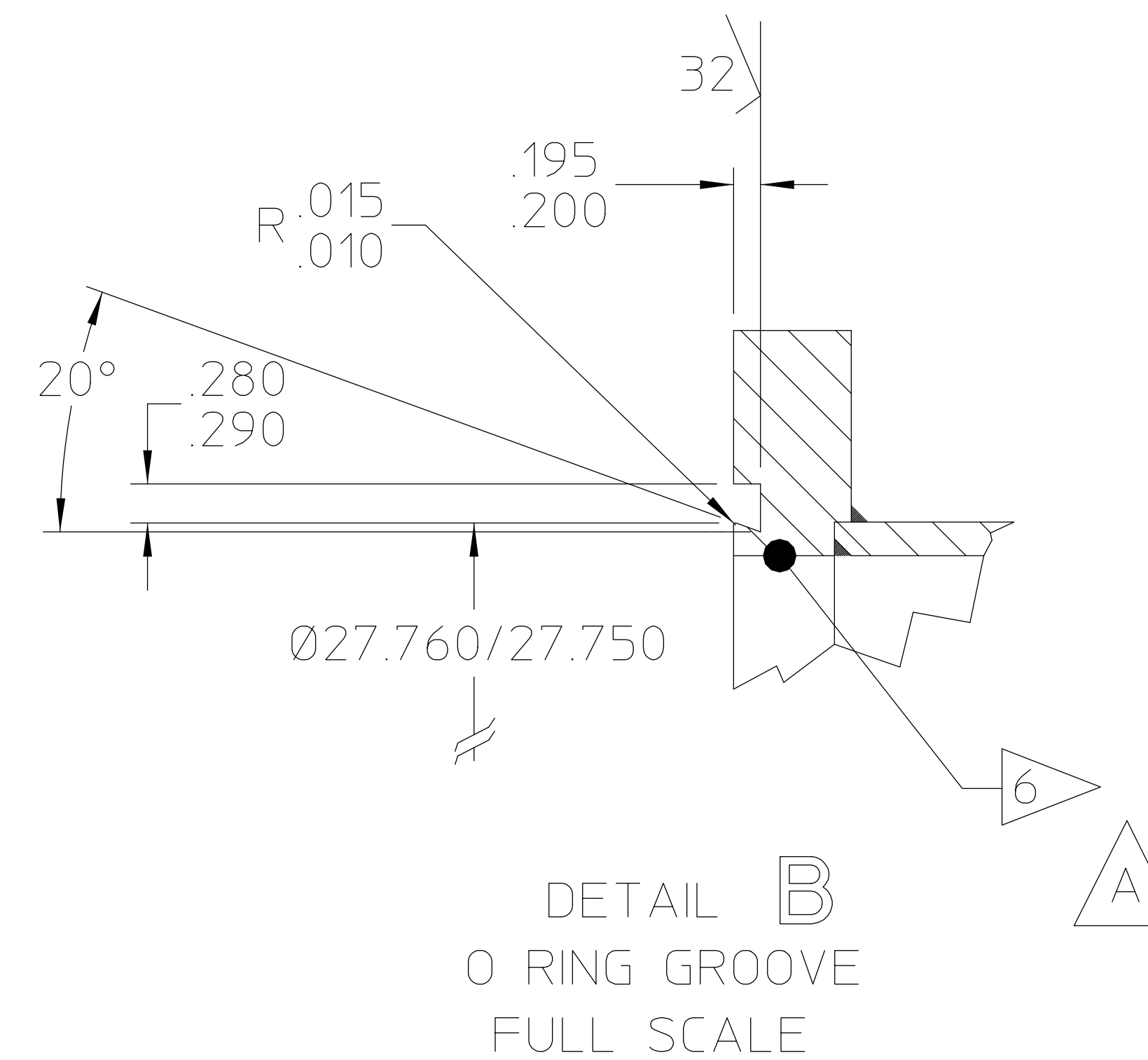
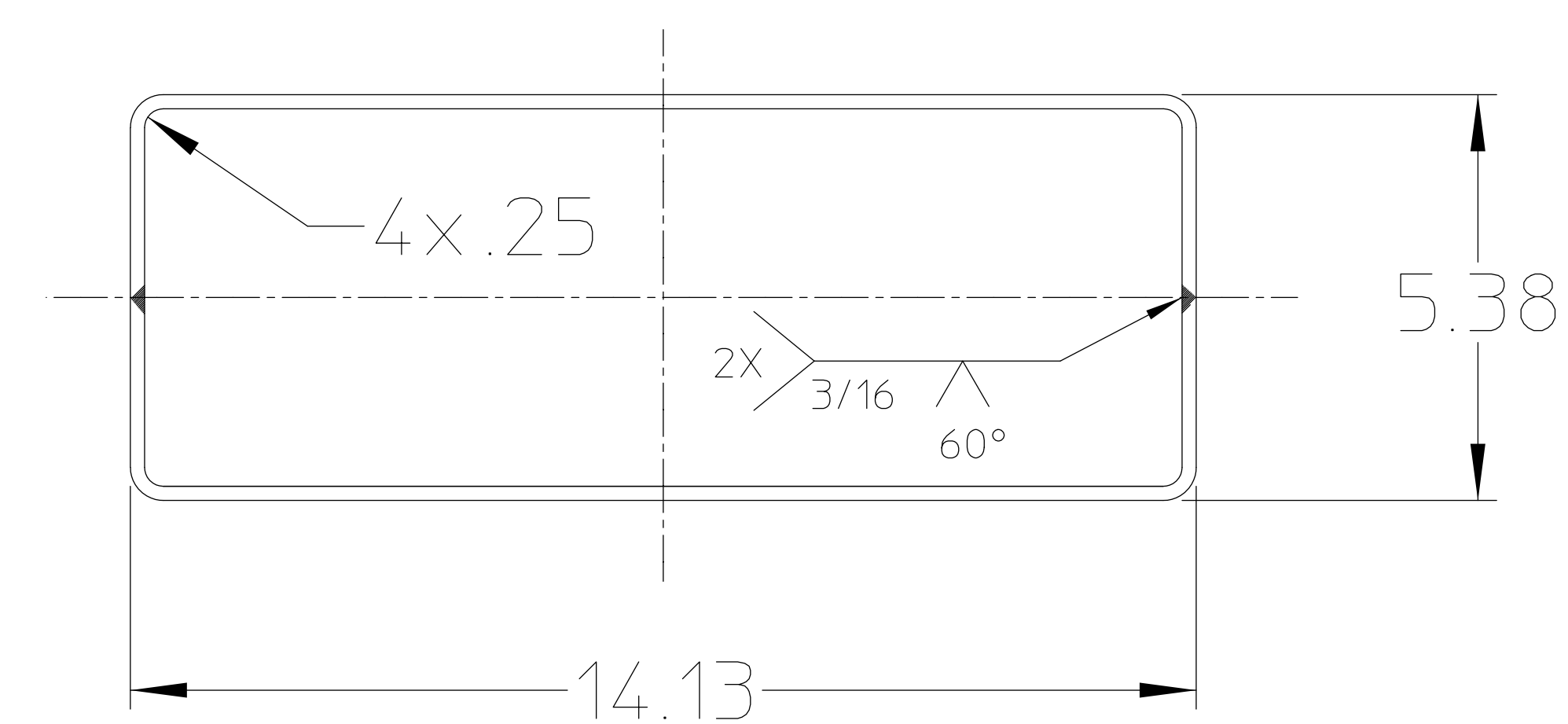


DETAIL A
FULL SCALE



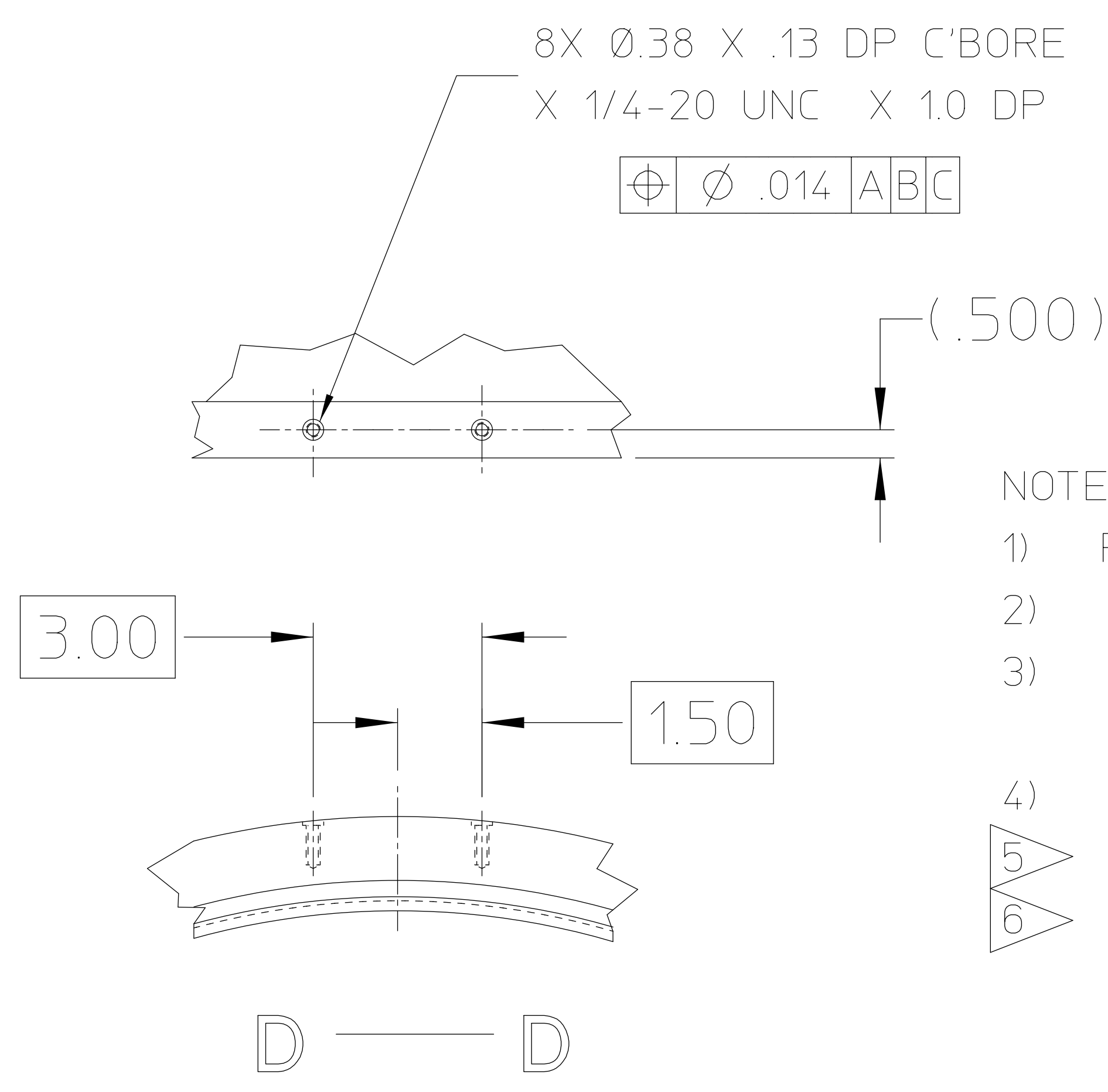
DETAIL B
O RING GROOVE
FULL SCALE



C — C

ITEM 7

PART TO FIT FLAT FLANGE 25B0776
3 PLCS



4 PLCS

NOTES:

- 1) PROTECT ALL SEALING SURFACES FROM NICKS, DENTS, SCRATCHES, ETC.
- 2) ALL INSIDE WELDS TO BE VACUUM TIGHT. SEE NOTE 3.
- 3) FINISHED VESSEL TO BE VACUUM TIGHT. LEAK RATE MUST NOT EXCEED 2.0×10^{-5} SCC PER SECOND OF HELIUM GAS.
- 4) FINISHED PART TO BE UHV CLEAN.
- 5) O RING SURFACE, FREE OF ALL NICKS GROOVES AND SCRATCHES.
- 6) O-RING GROOVE TO BE MACHINED ON FLANGE OF LARGER I.D.

25B0786A

UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		LAWRENCE BERKELEY LABORATORY	
SC	XX ± .030	FRAC	± 1/64	ACCT	UNIVERSITY OF CALIFORNIA-BERKELEY
ANGLES	± 1°	DATE	NO	NO	SNS-FE ION SOURCE AND LEPT
FINISH	125.7	RECD	NO	NO	MECHANICAL SYSTEMS
THREADS	CLASS 2	DATE	NO	NO	VACUUM CHAMBER-LEPT TEST STAND
CHAMFER	END OF ALL SCREW THREADS 30°	BY	J. M. PRUYN	DATE	3/12/99
CUT	1.5 PITCH FROD RELIEF WITH BRAD NOSE TOOL	CHK	D. CHENG	DATE	3/15/99
ON MACHINE	CUT THREADS	BY		DATE	
BREAK EDGES	.016 MAX. ON MACHINED WORK	REV		DATE	
REMOVE BARBS	WELD SPATTER & LOOSE SCALE				
REFERENCES	ANSI Y14.5 & B46.1				
A DWG C2 11/9/99		ADDED NOTE 6		PATENT CLEAR	
REV DWG CHK ZONE DATE		CHANGES		ASSEMBLY	
				DRAWING NO. 25B0786	
				CATEGORY CODE FE3111	
				SCALE 1:2	
				DO NOT SCALE	
				SIZE	
				REV. A	
				PG 2 OF 2	