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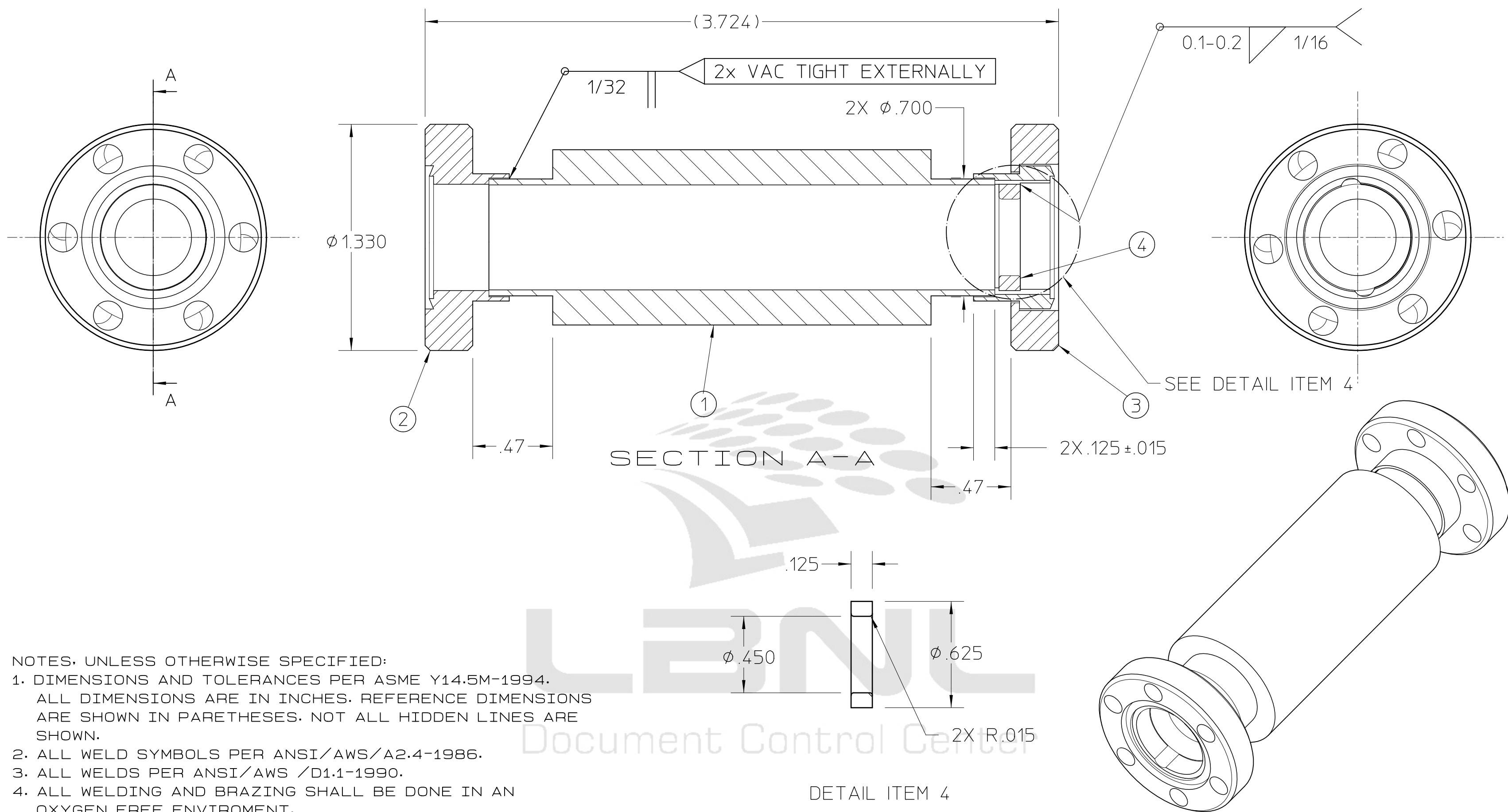
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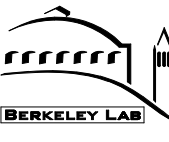
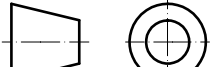
A



- NOTES, UNLESS OTHERWISE SPECIFIED:
1. DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
ALL DIMENSIONS ARE IN INCHES. REFERENCE DIMENSIONS ARE SHOWN IN PARETHESES. NOT ALL HIDDEN LINES ARE SHOWN.
 2. ALL WELD SYMBOLS PER ANSI/AWS/A2.4-1986.
 3. ALL WELDS PER ANSI/AWS /D1.1-1990.
 4. ALL WELDING AND BRAZING SHALL BE DONE IN AN OXYGEN FREE ENVIROMENT.
 5. THE RESULTS OF FINAL LEAK TESTING MUST BE IN THE UHV RANGE.
 6. THIS IS AN ULTRA-HIGH VACUUM (UHV) PART AND REQUIRES SPECIAL ATTENTION TO AVOID UHV CONTAMINATION. READ LBNL SPECIFICATION M773 BEFORE PERFORMING ANY FAB-RICATION.
 7. PROTECT FINISHED PART BY BAGGING OR SIMILAR METHOD TO PROTECT AND MAINTAIN CLEANLINESS DURING SHIPMENT AND STORAGE. TAKE CARE NOT TO DING, SCRATCH, DENT, OR OTHERWISE MARK ANY ANY MACHINED SURFACE.

DETAIL ITEM 4
SCALE 2:1

REV	AUTHOR	APPROVER	DATE	CHANGE DESCRIPTION
A	wingert	wingert	04-07-05	INITIAL REVISION

UNLESS OTHERWISE SPECIFIED			PROJECT NAME:		ERNEST ORLANDO LAWRENCE			
TOLERANCES	.X±.06 .XX±.02 .XXX±.005			BERKELEY NATIONAL LABORATORY				
	FRACTIONS: ± 1/64			UNIVERSITY OF CALIFORNIA				
	ANGLES: ± - ° / INCH							
	MACH. SURFS.: 125✓ OR BETTER			UNIQUE NUMBER:AL-0013-1645				
REF:ASME Y14.5M-1994, THREADS ARE CLASS 2			DO NOT SCALE PRINT	CATEGORY CODE:	ALS - INSERTION DEVICE BEAMLINES			
BREAK EDGES .016 MAX. ON MACHINED WORK			SCALE: 2 : 1	AL 4045	BL 4.0.2 - MONOCHROMATOR			
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE			THIRD ANGLE PROJECTION		GRATING COOLING BELLOWS WELDMENT, LONG			
					SHEET OF 1	SIZE: C	DWG NO: 26B712	REV A