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Released: April 8th, 2005 DCC Auth Key: 23GDGEV2JM

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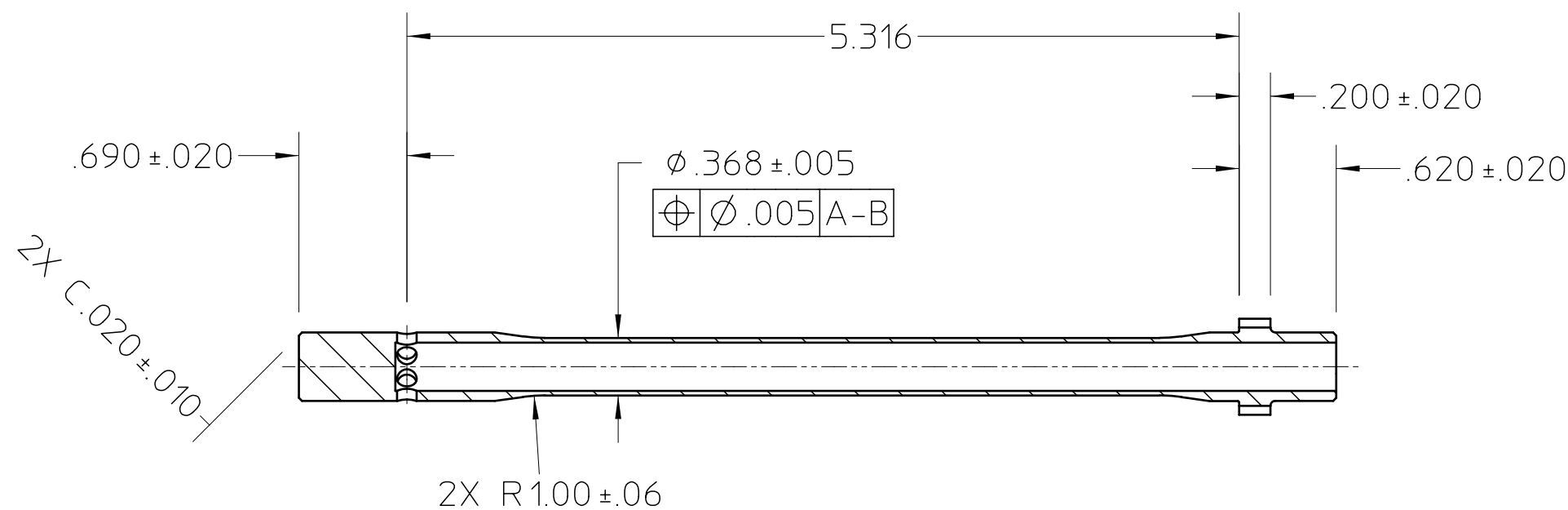
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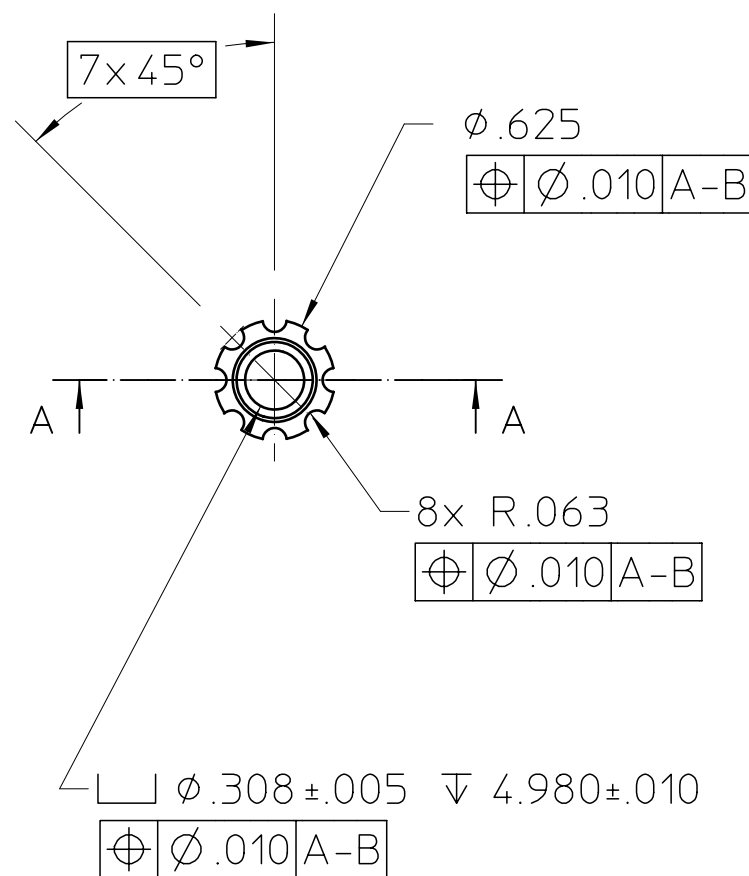
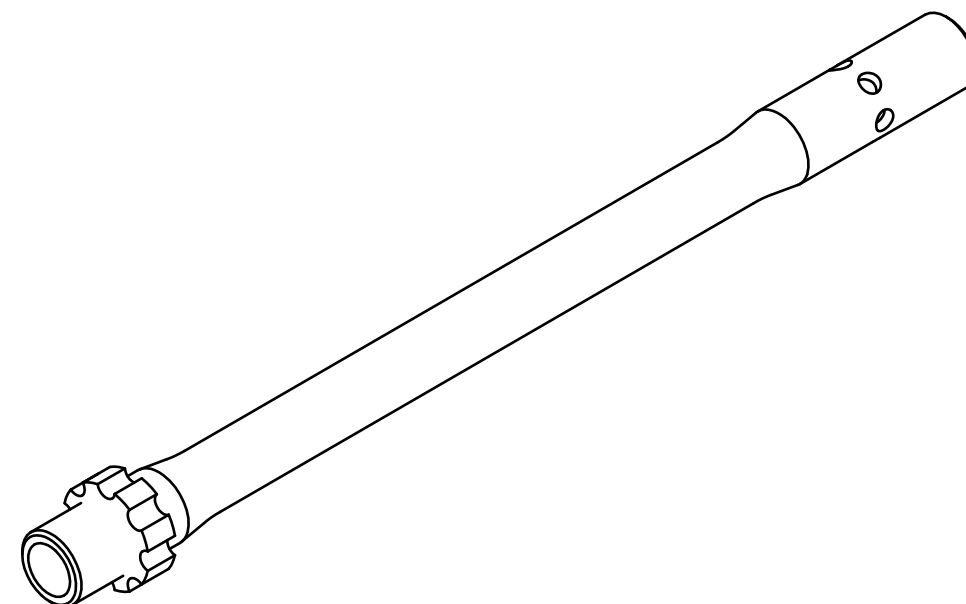
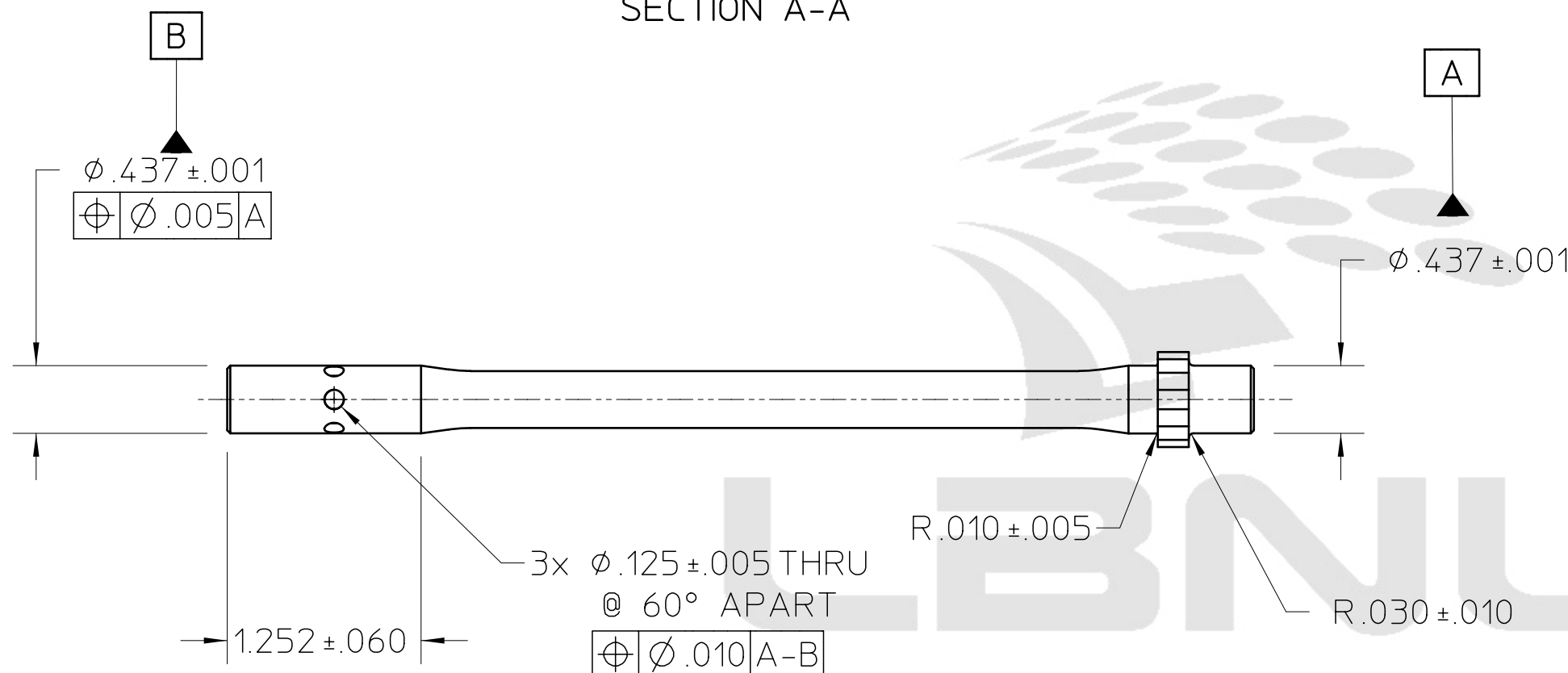
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A



SECTION A-A



NOTES; UNLESS OTHERWISE SPECIFIED

- DIMENSIONING & TOLERANCING PER ASME Y14.5M - 1994. ALL DIMENSIONS ARE IN INCHES. REFERENCE DIMENSIONS ARE SHOWN IN PARENTHESES. NOT ALL HIDDEN LINES ARE SHOWN.
- THIS IS AN ULTRA HIGH VACUUM AND REQUIRES SPECIAL ATTENTION TO AVOID UHV CONTAMINATION. READ LBNL SPECIFICATION M733 BEFORE PERFORMING ANY FABRICATION.
- PROTECT FINISHED PART BY BAGGING OR SIMILAR METHOD TO PROTECT AND MAINTAIN CLEANLINESS DURING SHIPMENT AND STORAGE. TAKE EXTREME CARE NOT TO SCRATCH, DENT, OR OTHERWISE DAMAGE ANY MACHINED SURFACE.

REV	AUTHOR	APPROVER	DATE	CHANGE DESCRIPTION
A	wingert	wingert	04-08-05	INITIAL REVISION

UNLESS OTHERWISE SPECIFIED		
TOLERANCES	.X ± .- .XX ± .- .XXX ± .-	
FRACTIONS	± - / - -	
ANGLES	± - . - ° / INCH	
MACH. SURFS.	125 ✓ OR BETTER	
REF: ASME Y14.5M-1994, THREADS ARE CLASS 2		
BREAK EDGES .016 MAX. ON MACHINED WORK		
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE		

MAT 2: ,		NOTES:	
MAT 1: ,		NOTES:	
PROJECT NAME:		ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA	
UNIQUE NUMBER: AL-0013-1587		ALS - INSERTION DEVICE BEAMLINES	
DO NOT SCALE PRINT		MONOCHROMATOR	
SCALE: 1:1		OPTIC COOLANT TUBE	
THIRD ANGLE PROJECTION		SHEET 1 OF 1	
CATEGORY CODE: AL 4 122		SIZE: C	
		DWG NO: 26C222	
		REV A	