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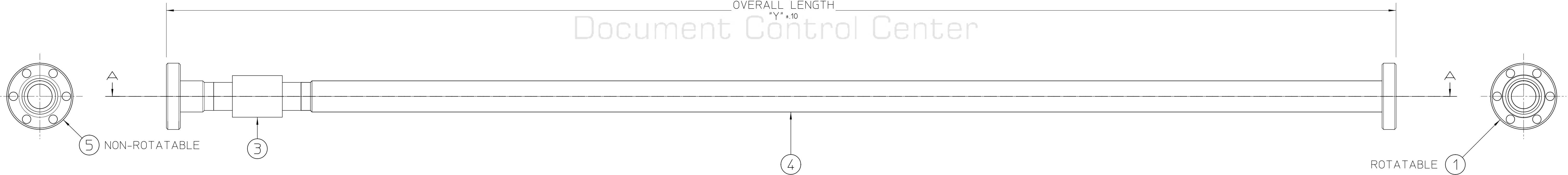
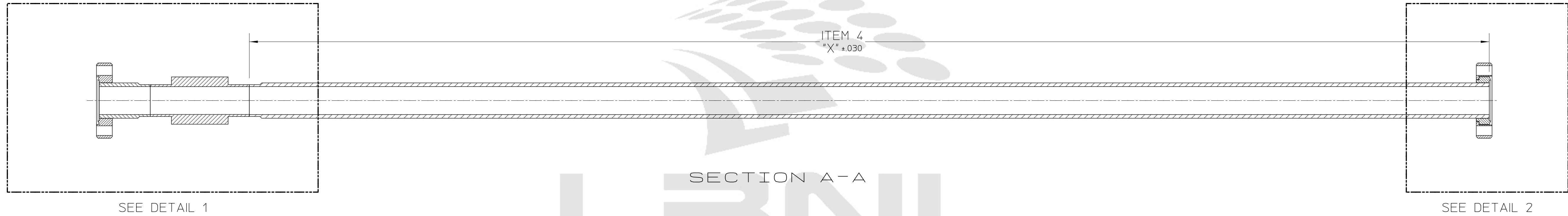
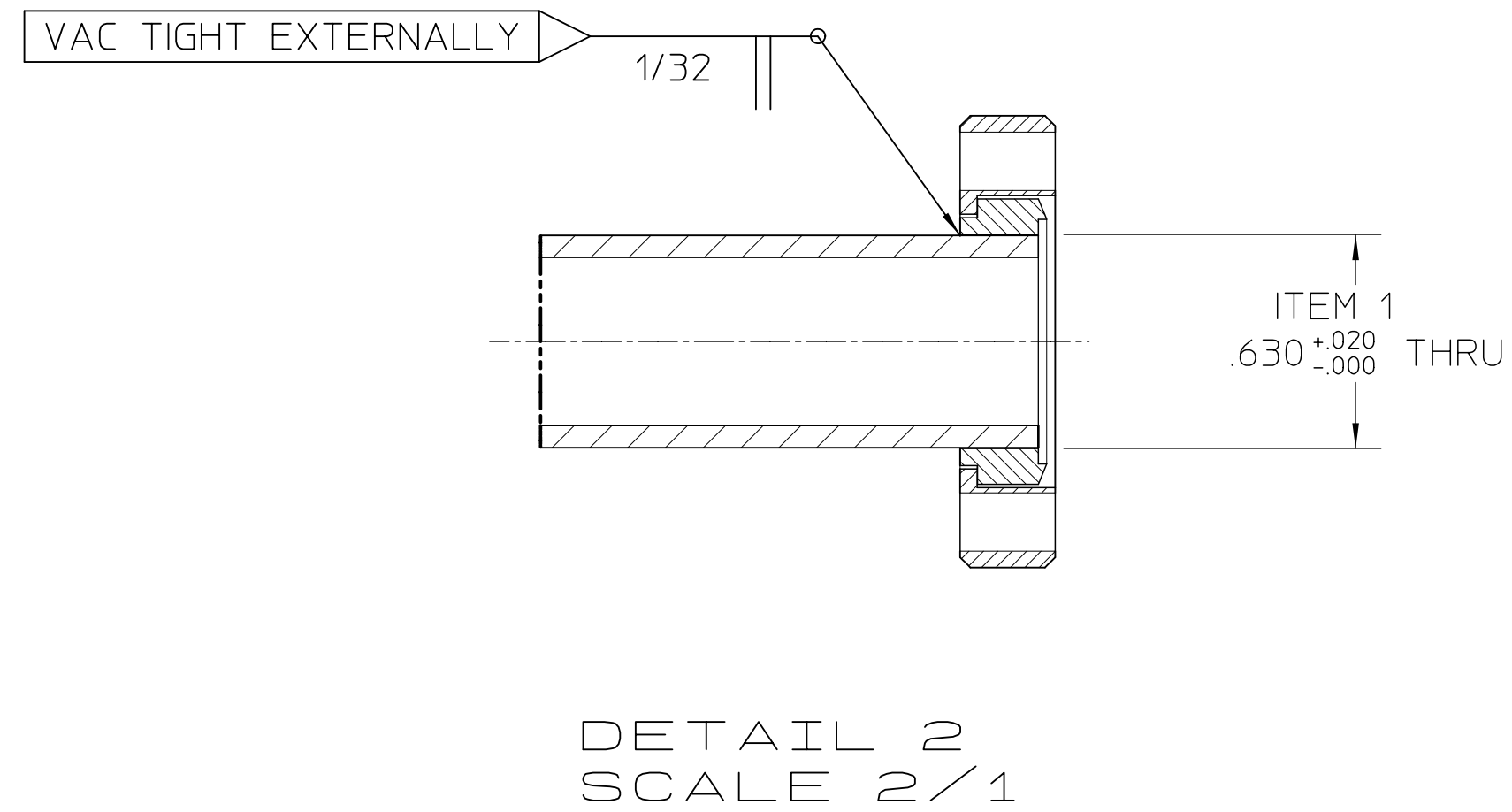
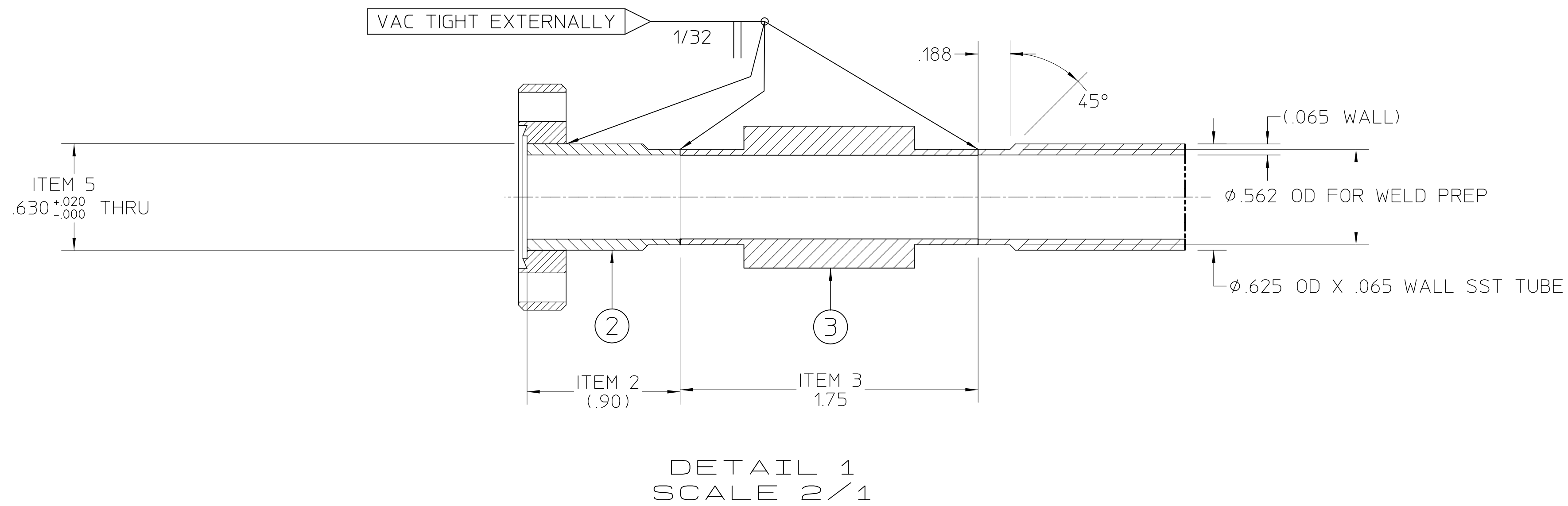
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D

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B

A



NOTES: UNLESS OTHERWISE SPECIFIED:

- 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.
- ALL WELD SYMBOLS PER ANSI/AWS A2.4-1986.
- ALL WELDS PER ANSI/AWS D1.1-1990.
- ALL WELDING AND BRAZING SHALL BE DONE IN AN OXYGEN FREE ENVIROMENT.
- THE RESULTS OF FINAL LEAK TESTING MUST BE IN THE UHV RANGE.
- THIS IS AN ULTRA-HIGH VACUUM (UHV) PART AND REQUIRES SPECIAL ATTENTION TO AVOID UHV CONTAMINATION. READ LBNL SPECIFICATION M773 BEFORE PERFORMING ANY FABRICATION.
- 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.

	X	Y
-1	21.915	24.67
-2	23.857	26.61
-3	13.844	16.725
-4	11.874	14.754

1	5	MDC #100003	MINI CFF, NON-ROTATABLE, THRU HOLES
1	4	-	SST TYPE 304 TUBE, Ø .625 X .065 WALL X SEE CHART
1	3	84-52-4-EE	BELLOWS, WELDED SST (STANDARD BELLOWS CO.)
1	2	26B029	FLANGE TO BELLOWS ADAPTER
1	1	MDC #110003	MINI CFF, ROTATABLE, THRU HOLES
REQD	ITEM	PART NO.	DESCRIPTION

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

UNLESS OTHERWISE SPECIFIED	PROJECT NAME:	ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA
TOLERANCES	UNIQUE NUMBER: AL-0013-1664	ALS - INSERTION DEVICE BEAMLINES
FRACTIONS: * 1/64	DO NOT SCALE PRINT	BL 4.0.2 - MONOCHROMATOR
ANGLES: * 0.5°/INCH	SCALE: 1:1	GRATING COOLING TUBE WELDMENT, -1, -2, -3, -4
MACH. SURFS.: 125✓ OR BETTER	CATEGORY CODE: AL 4045	SHEET 1 OF 1
REF: ASME Y14.5M-1994, THREADS ARE CLASS 2	THIRD ANGLE PROJECTION	SIZE: D
BREAK EDGES .016 MAX. ON MACHINED WORK		DWG NO: 26B711
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE		REV A