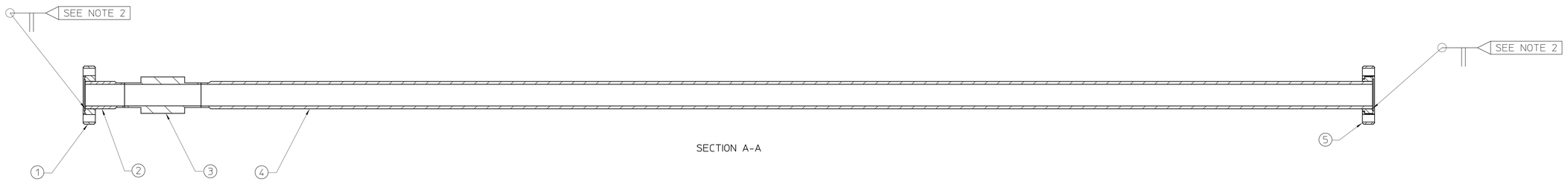

SECTION A-A

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UNLESS OTHERWISE SPECIFIED,

1) DIMENSIONS AND TOLERANCING PER ASME Y14.5M-1994. ALL DIMENSIONS ARE IN INCHES. REFERENCE DIMENSIONS ARE SHOWN IN PARENTHESES. NOT ALL HIDDEN LINES ARE SHOWN.

2) ALL WELDS ARE TO BE VACUUM LEAK TIGHT AND ARE TO BE HELIUM LEAK TESTED. LEEK RATE IS NOT TO EXCEED 2x 10e-9 CC/SEC He.

3) THIS IS AN ULTRA HIGH VACUUM (UHV) PART AND REQUIRES SPECIAL ATTENTION TO AVOID UHV CONTAMINATION. READ LBNL SPECIFICATION M20013 BEFORE PERFORMING ANY FABRICATION.

4) PROTECT FINISHED PART BY BAGGING OR SIMILAR METHOD TO PROTECT AND MAINTAIN CLEANLINESS DURING SHIPMENT AND STORAGE. TAKE EXTREME CARE NOT TO DING, SCRATCH, DENT, OR OTHERWISE MARK ANY MACHINED SURFACE.

REQD	ITEM	PART NO.	DESCRIPTION
	5		MINI CONFLAT FLANGE, ROTATABLE, MDC#100003
	4	26B233	GRATING AIR GUARD TUBE
	3		WELDED SST BELLOWS, STD BELLOWS CO#84-52-4-EE
	2	26B029	FLANGE TO BELLOWS ADAPTOR
	1		MINI CONFLAT FLANGE, MDC #110003

REV	AUTHOR	APPROVER	DATE	CHANGE DESCRIPTION
A	patton	patton	06-30-20	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

PROJECT NAME:
PROJECT NUMBER:

DO NOT SCALE PRINT
SCALE: 1 : 1
CATEGORY CODE: AL 4165
THIRD ANGLE PROJECTION

ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA

ALS - INSERTION DEVICE BEAMLINES
BL 6.0.1.2 BRANCHLINE
GRATING AIR GUARD TUBE WELDMENT

SHEET 1 OF 1 | SIZE: E | DWG NO: 26B238 | REV A

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