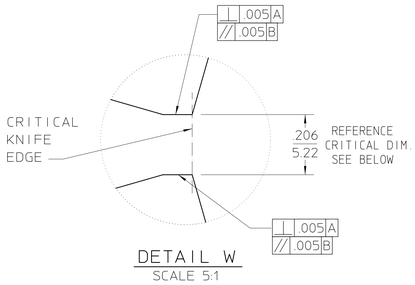
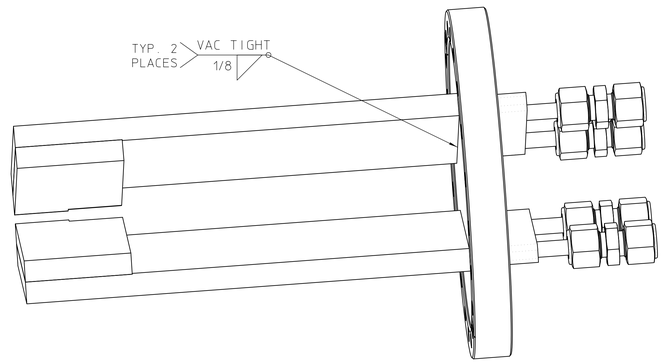
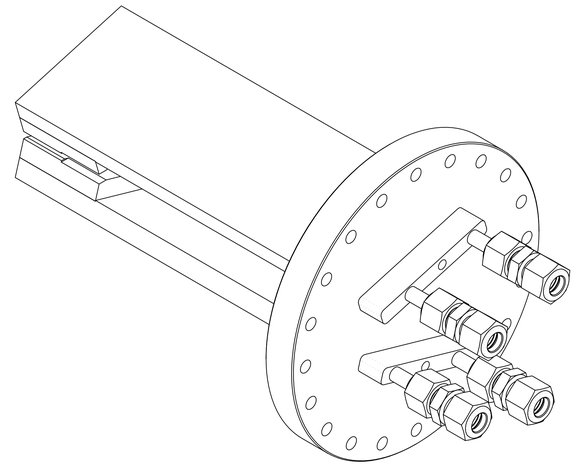
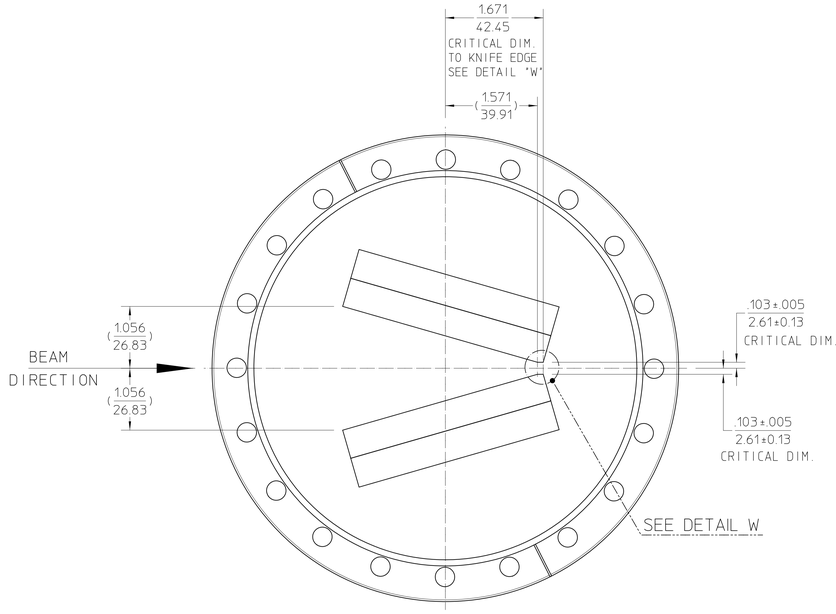
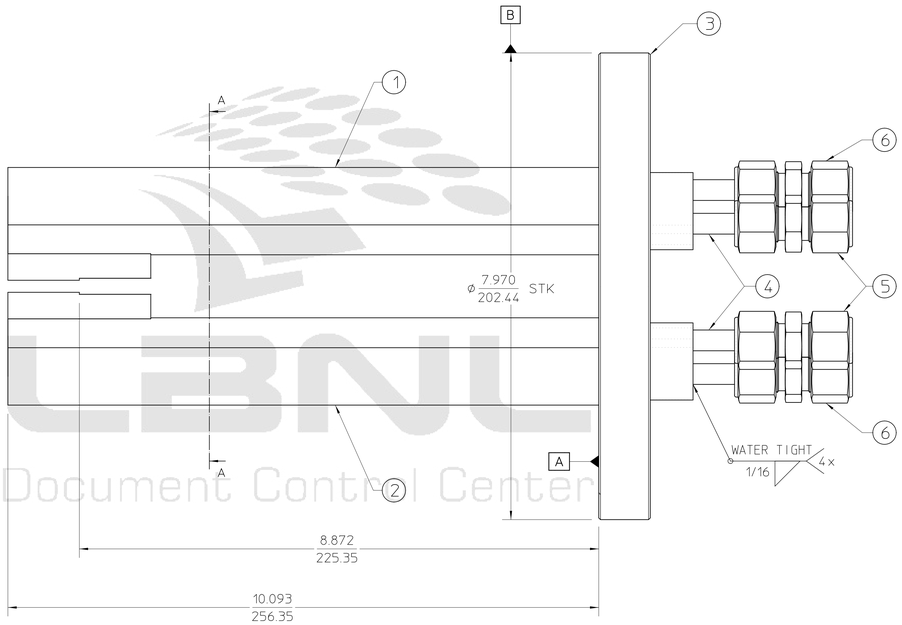


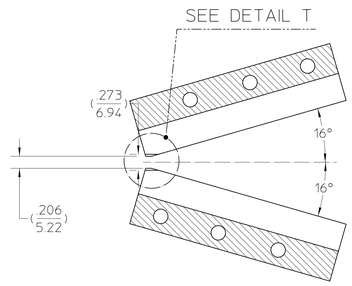
DETAIL W
SCALE 5:1



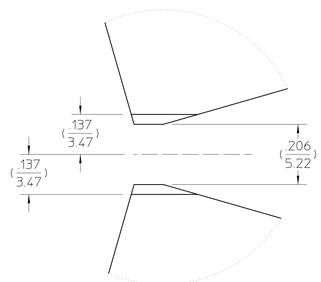








SECTION A-A



DETAIL T
SCALE 5:1

NOTES:

1. BEFORE WELDING REFER TO DRAWING, 26B541 (MASKS CHAMBER ALIGNMENT ASSEMBLY).

2. THIS IS A ULTRA HIGH VACUUM COMPONENT AND REQUIRES SPECIAL ATTENTION TO AVOID CONTAMINATION. REFER TO LBNL ENGINEERING SPECIFICATION #M20013 BEFORE PERFORMING ANY FABRICATION PROCEDURES.

3. PROTECT ALL CONFLAT FLANGE KINFE SEALING SURFACES AT ALL TIMES FROM ANY DENTS, DINGS OR SCRATCHES ON THE KNIFE EDGE ARE NOT ACCEPTABLE.

4. ITEM #1 AND #2 MUST BE BRAZED PRIOR TO WELDING ITEMS TO ITEM #3.

5. BRAZING TO BE CONDUCTED IN A VACUUM FURNACE,REFER TO ENGINEERING NOTE #M7184, MIRROR BRAZING TECHNIQUES.

6. TOLERANCES SHOWN IN THE DRAWING TITLE BOX ARE SHOWN IN INCHES. DIMENSIONS ARE SHOWN IN INCHES/MILLIMETERS. (UPPER/ LOWER)

(UNIQUE ID No.: AL-0008-9853)

REQD	ITEM	PART NO.	DESCRIPTION
-	-	-	-
2	6	-	REDUCING UNION, .500 x .375, ST. STL.
2	5	-	UNION, .375 x .375, ST. STL.
4	4	-	TUBING, .375 O.D. x .065 WALL x 2.5 LONG, ST. STL.
1	3	26B522	VERTICAL MASK MOUNTING FLANGE
1	2	26B521	LOWER VERTICAL MASK BRAZING ASSEMBLY
1	1	26B518	UPPER VERTICAL MASK BRAZING ASSEMBLY

REV.	AUTHOR	APPROVER	DATE	CHANGE DESCRIPTION
A	cummings	plate	07-26-20	INITIAL REVISION

UNLESS OTHERWISE SPECIFIED
TOLERANCES: X± .- XX± .-- .XXX± .015
FRACTIONS: ± -/--
ANGLES: ± 0.25°/INCH
MACH. SURFS.: 63 √ OR BETTER
REF: ASME Y14.5M-1994, THREADS ARE CLASS 2
BREAK EDGES .016 MAX. ON MACHINED WORK
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE
THIRD ANGLE PROJECTION

PROJECT NAME:
PROJECT NUMBER:

ERNEST ORLANDO LAWRENCE
BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA

ALS - INSERTION DEVICE BEAMLINES
BL 6.0 FRONT END
VERTICAL APERTURE MASK WELDMENT ASSEMBLY

DO NOT SCALE PRINT
SCALE: 1 : 1
CATEGORY CODE: AL 4160
SHEET 1 OF 1
SIZE: E
DWG NO: 26B512
REV: A

AUTO GENERATED PDF
Jul 27 2004 14:05:06 PDT