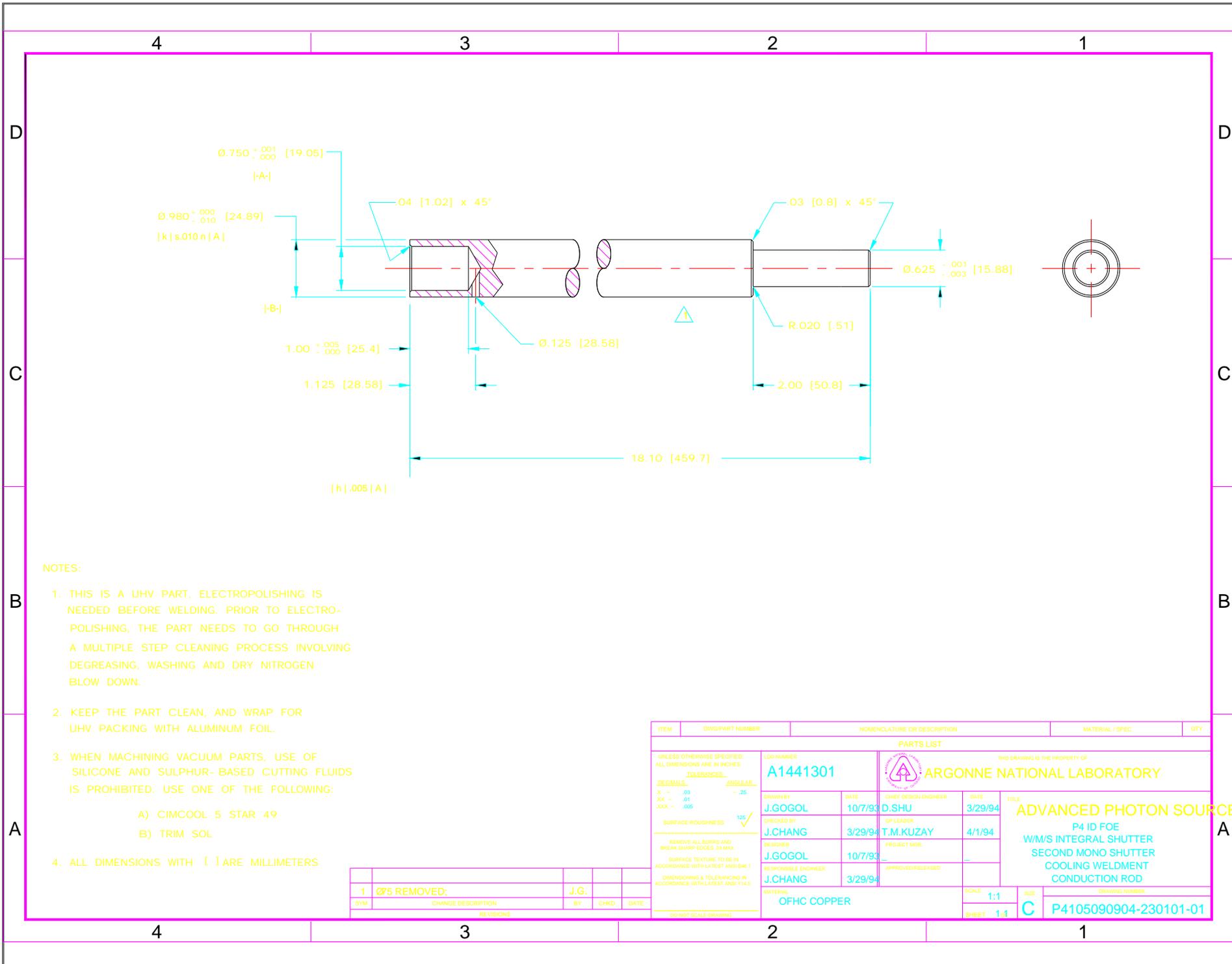


(C)

PLOT SCALE: 1=1

DWG. SCALE: 1

A1441301



NOTES:

- THIS IS A UHV PART, ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE PART NEEDS TO GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN.
- KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
- WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
 - A) CIMCOOL 5 STAR 49
 - B) TRIM SOL
- ALL DIMENSIONS WITH [] ARE MILLIMETERS

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
1	Ø75 REMOVED:	J.G.		
REVISIONS				

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER A1441301	THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY	
TOLERANCES: DECIMALS: .03 XX: .01 XXX: .005		ANGULAR: - .25	SURFACE ROUGHNESS: 125	
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.		DESIGNER J.GOGOL	DATE 10/7/93	CHIEF DESIGN ENGINEER D.SHU
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1		CHECKED BY J.CHANG	DATE 3/29/94	DATE 3/29/94
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		DESIGNER J.GOGOL	DATE 10/7/93	DATE 4/1/94
DO NOT SCALE DRAWING		RESPONSIBLE ENGINEER J.CHANG	DATE 3/29/94	APPROVED/RELEASED
		MATERIAL OFHC COPPER	SCALE 1:1	SIZE C
			SHEET 1 of 1	DRAWING NUMBER P4105090904-230101-01

ADVANCED PHOTON SOURCE
 P4 ID FOE
 W/M/S INTEGRAL SHUTTER
 SECOND MONO SHUTTER
 COOLING WELDMENT
 CONDUCTION ROD