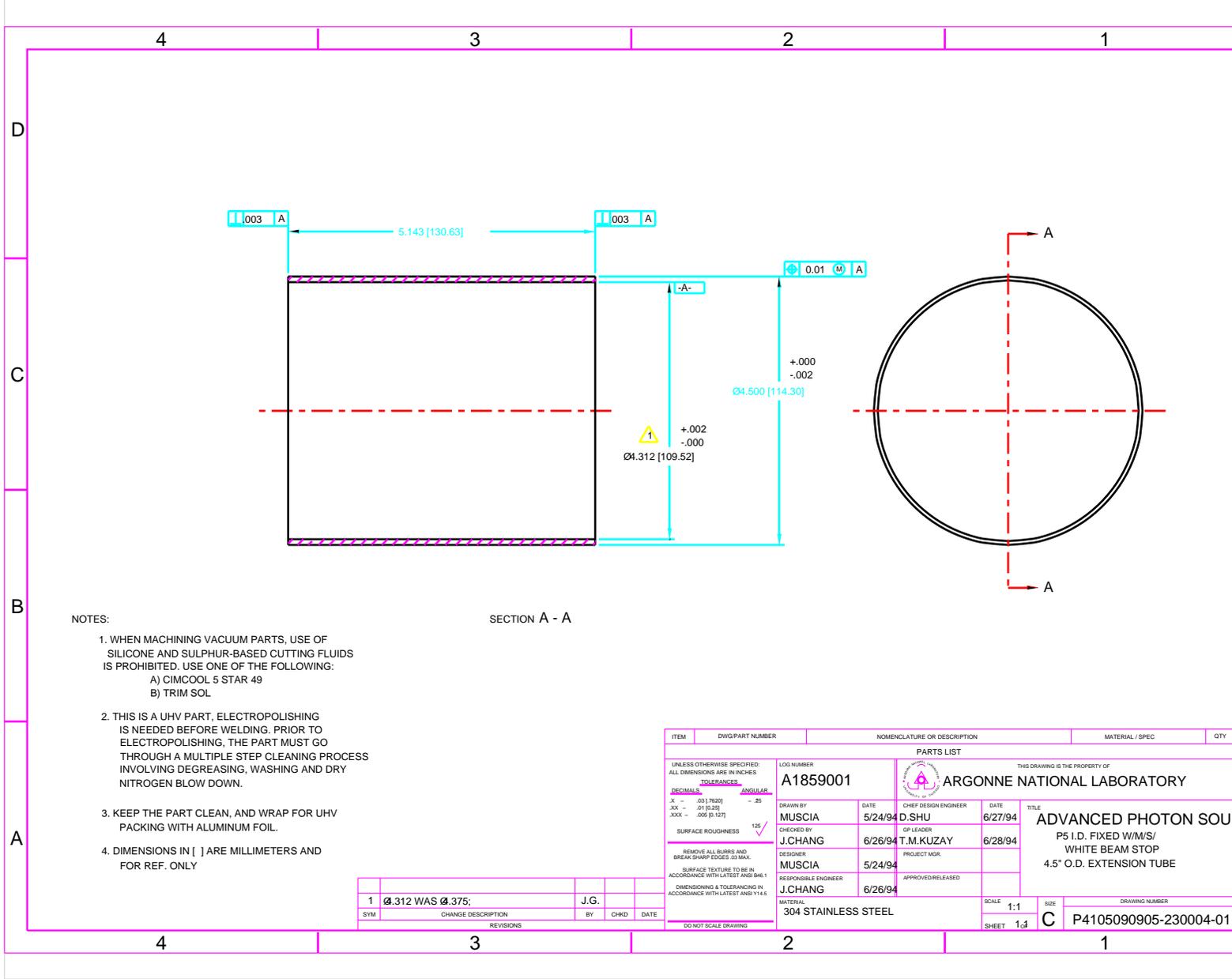


(C) PLOT SCALE: 1=1 DWG. SCALE: 1 A1859001



- NOTES:
1. 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
 2. THIS IS A UHV PART, ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE PART MUST GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN.
 3. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
 4. DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY

SECTION A - A

NO.	SYMBOL	CHANGE DESCRIPTION	BY	CHKD	DATE
1		Ø.312 WAS Ø.375;	J.G.		

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER A1859001	THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY	
TOLERANCES:		DRAWN BY MUSCIA		
DECIMALS	ANGULAR	DATE 5/24/94	DATE 6/27/94	TITLE ADVANCED PHOTON SOURCE
X - .03 [.7620] - .25		CHEF DESIGN ENGINEER D.SHU		P5 I.D. FIXED W/M/S/
XXX - .01 [.254]		GP LEADER T.M.KUZAY	DATE 6/28/94	WHITE BEAM STOP
XXXX - .005 [.127]		DESIGNER MUSCIA		4.5" O.D. EXTENSION TUBE
SURFACE ROUGHNESS	120	PROJECT MGR.		
REMOVE ALL BURRS AND BREAK SHARP EDGES (3) MAX.		APPROVED/RELEASED		
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1		RESPONSIBLE ENGINEER J.CHANG	DATE 6/26/94	
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		MATERIAL 304 STAINLESS STEEL		
DO NOT SCALE DRAWING		SCALE 1:1	SIZE C	DRAWING NUMBER P4105090905-230004-01