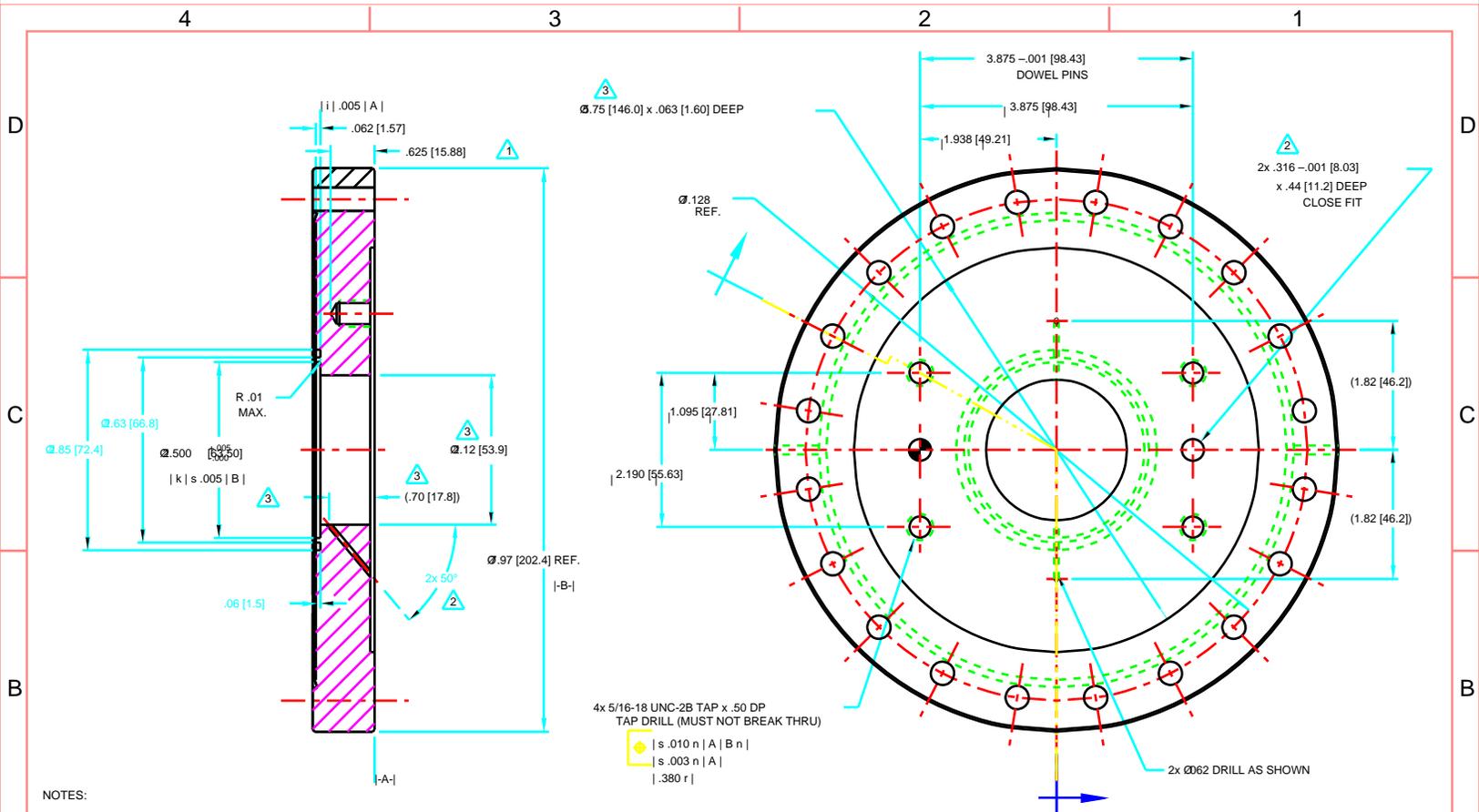


( $\varnothing$ ) PLOT SCALE: 1=1 DWG. SCALE: 1 A1419203



- NOTES:
1. REWORK EXISTING FLANGE P.N.110030 (MDC) NOM. O.D. 8", NOM. I.D. BLANK AS SHOWN ABOVE.
  2. THIS IS A UHV PART. A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN IS NEEDED BEFORE WELDING.
  3. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.

4. 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
5. ALL DIMENSIONS WITH ARE MILLIMETERS

REV	DESCRIPTION	BY	CHKD	DATE
3	"B" WAS "C";	J.G.	J.C.	8/31/94
3	$\varnothing$ .12 WAS 2.005; $\varnothing$ .75 ADDED;	J.G.	J.C.	8/31/94
2	2 BLIND PIN HOLES ADDED;	J.G.	J.C.	2/14/94
2	50° WAS 45°	J.G.	J.C.	2/14/94
1	ADD .625	J.G.	J.C.	7/7/93

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
LOG NUMBER <b>A1419203</b>		THIS DRAWING IS THE PROPERTY OF <b>ARGONNE NATIONAL LABORATORY</b>		
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES	DRAWN BY J.G.	DATE 4/22/93	CHIEF DESIGN ENGINEER D.SHU	DATE 5/3/93
TOLERANCES: DECIMALS .03 .05 .005	CHECKED BY J.CHANG	DATE 4/29/93	GP LEADER T.M.KUZAY	DATE 5/5/93
ANGULAR .25	DESIGNER J.G.	DATE 4/22/93	PROJECT MGR.	
SURFACE ROUGHNESS 125	RESPONSIBLE ENGINEER J.CHANG	DATE 4/29/93	APPROVED/RELEASED	
REMOVE ALL BURRS AND BREAK SHARP EDGES (3) MAX. SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1 DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5	MATERIAL 304 SST	TITLE <b>ADVANCED PHOTON SOURCE A3 LIGHT LOAD PNEUMATIC 31mm - 8" LINEAR ACTUATOR 8" NONROTATABLE FLANGE</b>		
DO NOT SCALE DRAWING	SCALE 1:1	SHEET 1 of 1	SIZE C	DRAWING NUMBER P4105090103-810202-03