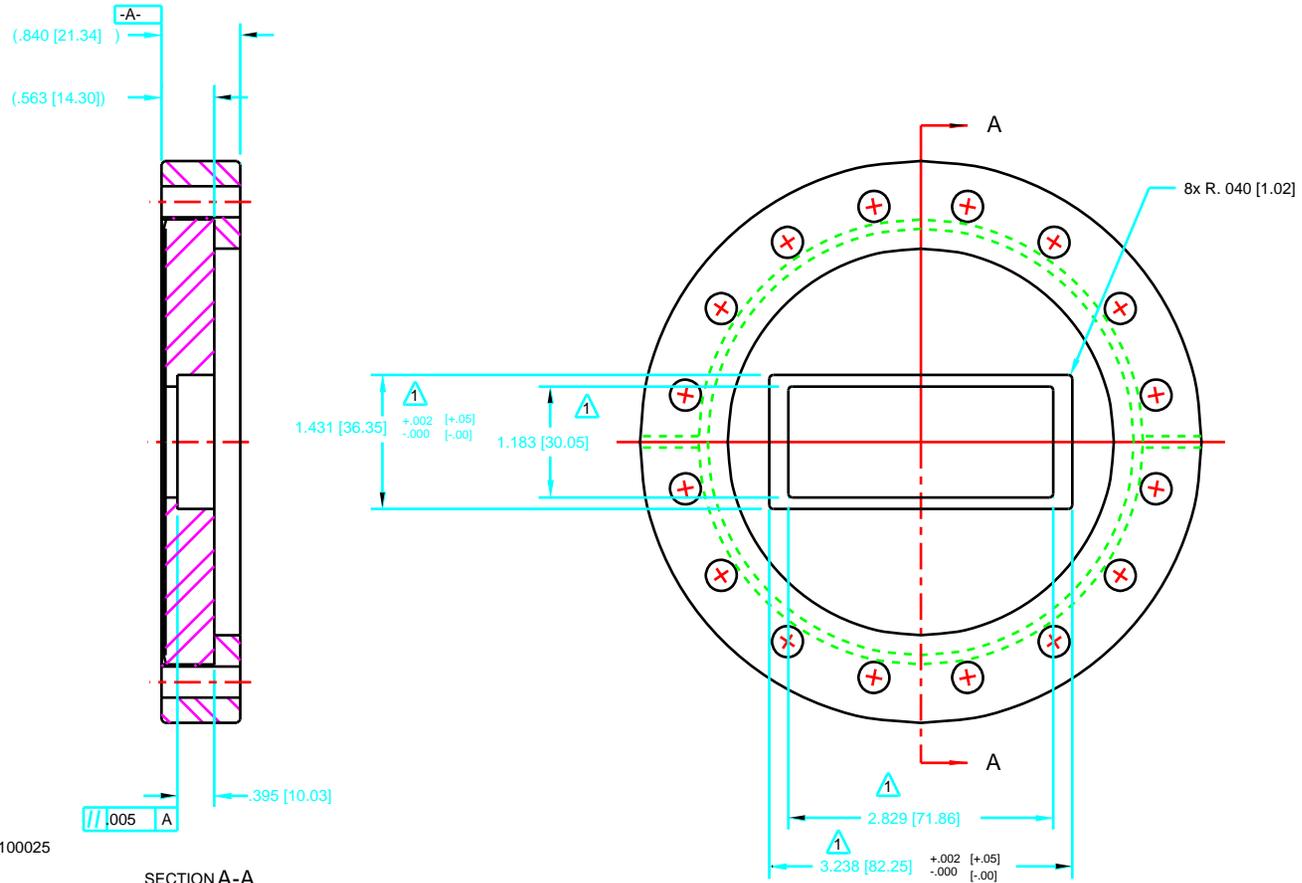


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NOTES:

1. MAKE FROM MDC'S VACUUM FLANGE CAT. #100025
2. 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
3. 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.
4. KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
5. DIMENSIONS IN [] ARE MILLIMETERS

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
1	2.892 WAS 3.148			
1	3.283 WAS 3.306			
1	1.183 WAS 1.260			
1	1.431 WAS 1.435	M.J.M.		

REVISIONS

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER A17101		
TOLERANCES		THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY		
DECIMALS	ANGULAR			
.X - .03 [0.7620]	- .25			
.XX - .01 [0.254]				
.XXX - .005 [0.127]				
SURFACE ROUGHNESS 125 ✓				
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.				
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1				
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5				
DO NOT SCALE DRAWING				
MATERIAL SEE NOTE #1		DRAWN BY MUSCIA		
		DATE 7/19/93		
		CHIEF DESIGN ENGINEER D. SHU		
		DATE 9/21/93		
		GP LEADER T.M. KUZAY		
		DATE 9/21/93		
		PROJECT MGR.		
		DESIGNER SHU/MUSCIA		
		RESPONSIBLE ENGINEER D. SHU		
		DATE 9/21/93		
		APPROVED/RELEASED		
		TITLE ADVANCED PHOTON SOURCE		
		M2 APS I.D. FRONT END		
		2-ND FIXED MASK		
		MAIN BODY		
		LEFT END		
		VACUUM FLANGE		
		SCALE 1:1		
		SIZE C		
		SHEET 1 of 1		
		DRAWING NUMBER P4102010105-210005-01		

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