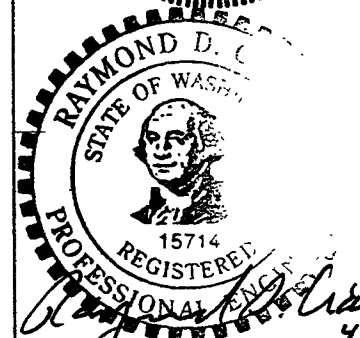
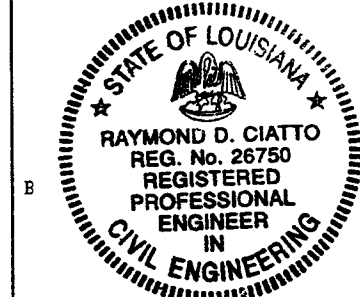


- NOTE:**
- 1: FLANGES WILL BE USED IN ULTRA HIGH VACUUM SERVICE SEE SPECIFICATION V049-2-040 FOR MATERIAL REQUIREMENTS SEE SPECIFICATION V049-2-136 FOR MACHINING REQUIREMENTS
  - 2: ALL MATERIAL TO BE 304L STAINLESS STEEL
  - 3: FLANGES MUST BE PACKAGED, HANDLED, AND SHIPPED IN SUCH A MANNER AS TO MAINTAIN SPECIFIED SURFACE FINISHES AND FLATNESS TOLERANCES.
  - 4: MACHINE TOOL LAY TO BE CONCENTRIC ON ALL SURFACES THAT REQUIRE A 32 RMS FINISH
  - 5: NO ABRASIVE STONES, CLOTHS OR GRINDING WHEELS MAY BE USED
  - 6: NO OIL BASED OR HYDROCARBON BASED CUTTING FLUIDS TO BE USED.
  - 7: NO CARBON STEEL OR OTHER SOURCE OF IRON CONTAMINATION ARE TO COME IN CONTACT WITH FLANGES DURING MANUFACTURING OR HANDLING.
  - 8: STEAM CLEAN & WRAP IN POLYETHYLENE TO PREVENT CONTAMINATION DURING SHIPPING.
  - 9 WELD BUILT UP BY PSI.

THIS FLANGE TO BE MADE FROM P/N V049M249-1  
WEIGHT: 324#



EXPIRES 8/5/97

**PROPRIETARY AND CONFIDENTIAL**  
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DWG NO	DESCRIPTION
	REFERENCE DRAWINGS

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL ± 1/16"  
ANGULAR HATCH 15°-30° BEND 12°  
TWO PLACE DECIMAL ± .010  
THREE PLACE DECIMAL ± .005  
FINISHED SURFACE RMS 32  
BREAK CORNERS: INWARDS OUTWARDS REMOVE ALL BURRS

REV	DESCRIPTION	CHKD	DRAWN	DATE	DEO					
2	REISSUED FOR FAB AS NOTED	DMW	GS	PEF	RDC	REC	SPIDER	PV	4/25/97	0474
1	DESIGN UPDATE/FABRICATION							PV	7/31/96	0218
0	ISSUED FOR FDR							TDV	3-22-96	

**PROCESS SYSTEMS INTERNATIONAL, INC.**  
20 WALKUP DR. WESTBOROUGH, MASSACHUSETTS 01581 USA

61.31" I.D. X 72.25" O.D.  
BE-3A FLANGE (FLAT)  
LIGO VACUUM EQUIPMENT

CAD FILE: V0494066  
SIZE: C  
DWG NO: V049-4-066  
SCALE: 1 1/2"=1'-0"  
SHEET: 1 OF 1