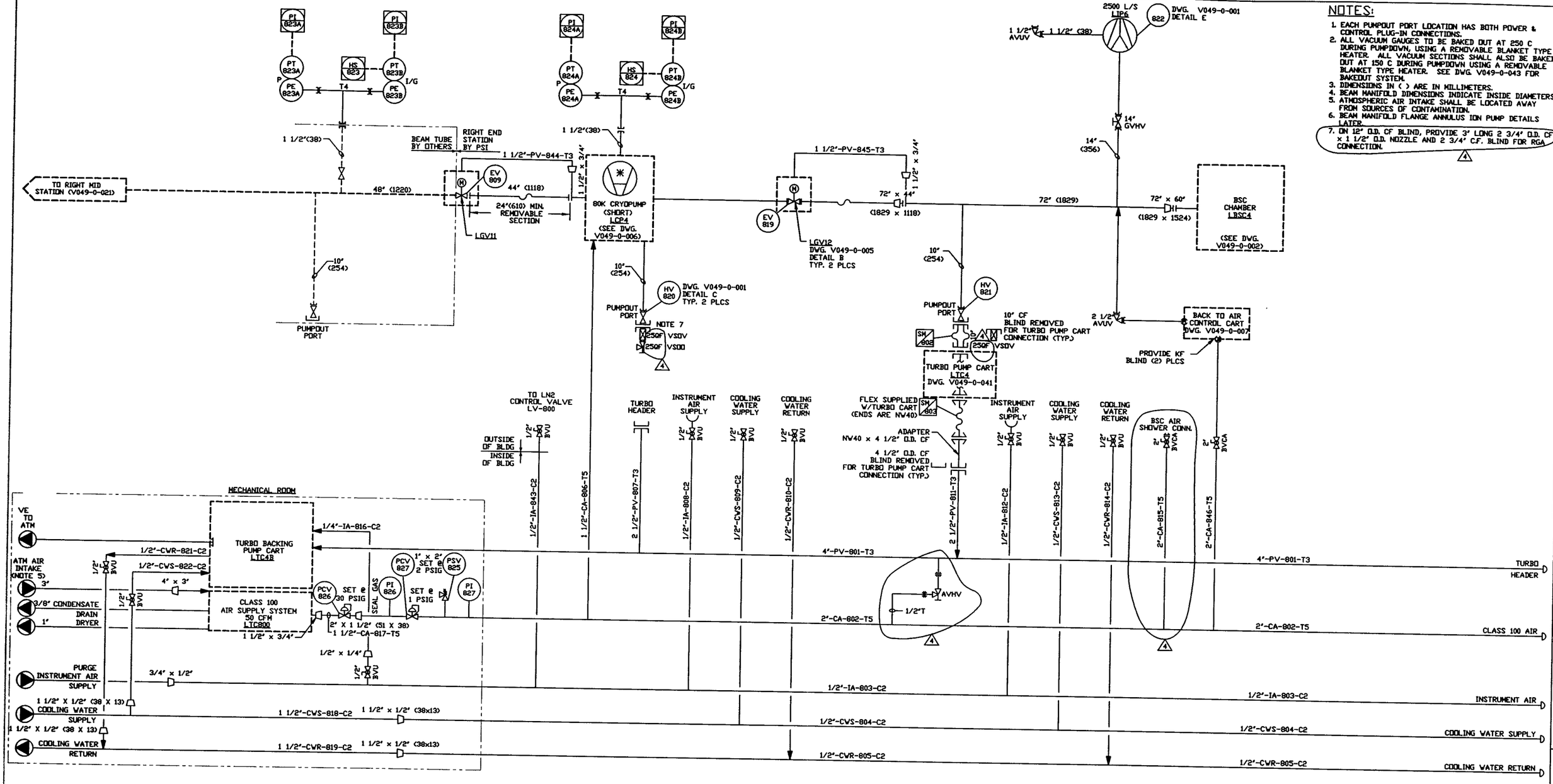

NOTES:

1. EACH PUMPOUT PORT LOCATION HAS BOTH POWER & CONTROL PLUG-IN CONNECTIONS.
2. ALL VACUUM GAUGES TO BE BAKED OUT AT 250 C DURING PUMPDOWN, USING A REMOVABLE BLANKET TYPE HEATER. ALL VACUUM SECTIONS SHALL ALSO BE BAKED OUT AT 150 C DURING PUMPDOWN USING A REMOVABLE BLANKET TYPE HEATER. SEE DWG. V049-0-043 FOR BAKEOUT SYSTEM.
3. DIMENSIONS IN ( ) ARE IN MILLIMETERS.
4. BEAM MANIFOLD DIMENSIONS INDICATE INSIDE DIAMETERS.
5. ATMOSPHERIC AIR INTAKE SHALL BE LOCATED AWAY FROM SOURCES OF CONTAMINATION.
6. BEAM MANIFOLD FLANGE ANNULUS ION PUMP DETAILS LATER.
7. ON 12" O.D. CF BLIND, PROVIDE 3" LONG 2 3/4" O.D. CF x 1 1/2" O.D. NOZZLE AND 2 3/4" C.F. BLIND FOR RGA CONNECTION. (4)

PROPRIETARY AND CONFIDENTIAL

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DWG. NO.	DESCRIPTION
V049-0-041	P & ID TURBO PUMP CART
V049-0-021	P & ID LEFT & RIGHT MID JOINTS
V049-0-006	P & ID 80K CRYDPUMP
V049-0-002	P & ID BEAM SPLITTER CHAMBER
V049-0-001	P & ID LEGEND

REFERENCE DRAWINGS

EQUIP. THIS DWG.

LGV11	LCP4
LGV12	LTC4
LBSC4	LIP6

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR/MACH 45°-89° BEND 45°
TWO PLACE DECIMAL ± .01
THREE PLACE DECIMAL ± .005
FINISHED SURFACE RMS
BREAK CORNERS ON OUT:
REMOVE ALL BURRS

DO NOT SCALE THIS DRAWING

USED ON:

NEXT ASS'Y:

REV	DESCRIPTION					CHKD	DRVN	DATE	DED#
4	REVISED				SM	DMcV	RJV	02.14.97	0435
3	REVISED				SM	DMcV	RJV	01.03.97	0394
2	ISSUE FOR FDR UPDATE		TS	RT	SM	DMcV	RJV	10.25.96	0309
1	ISSUE FOR FDR	REB	TS	RT	SM	DMcV	RJV	04.26.96	0134
0	ISSUE FOR DESIGN	REB	TS	RT	SM	DMcV	RJV	01.03.96	0031

ISSUE DESCRIPTION

D0961089-04-V

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

PIPING & INSTRUMENTATION DIAGRAM
LIGO VACUUM EQUIPMENT
LOUISIANA SITE
RIGHT END STATION

CAD FILE	SIZE	DWG. NO.	REV.
V0490025	D	V049-0-025	4
SCALE NONE		SHEET 1 OF 1	