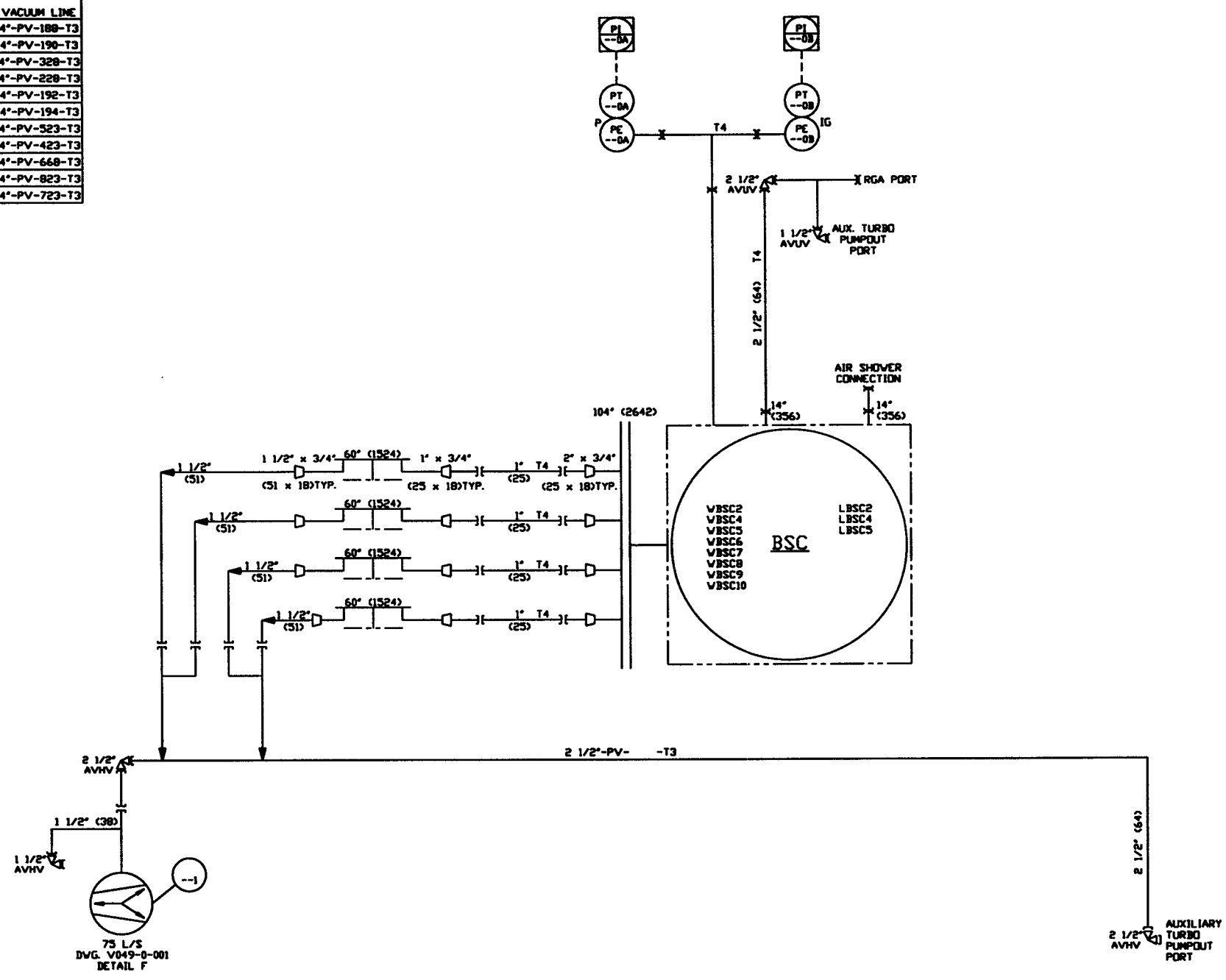


NOTES:

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 DVG. V049-0-043 FOR BAKEDOUT SYSTEM.
3. DIMENSIONS IN () ARE IN MILLIMETERS.
4. SEE TABLE 1 FOR INSTRUMENT TAG NUMBERS, SPECIAL MATERIAL IDENTIFICATION NUMBERS AND PIPING LINE NUMBERS.

TABLE 1

CHAMBER	PRESSURE GAUGE PAIR	ION PUMP CONTROL	FLEX HOSE (12")	VACUUM LINE
VBSC2	120	121	SM 101	4"-PV-188-T3
VBSC4	140	141	SM 102	4"-PV-190-T3
VBSC5	310	311	SM 301	4"-PV-328-T3
VBSC6	210	211	SM 201	4"-PV-228-T3
VBSC7	170	171	SM 103	4"-PV-192-T3
VBSC8	180	181	SM 104	4"-PV-194-T3
VBSC9	310	311	SM 501	4"-PV-523-T3
VBSC10	410	411	SM 401	4"-PV-423-T3
LBSC2	620	621	SM 601	4"-PV-668-T3
LBSC4	810	811	-	4"-PV-823-T3
LBSC5	710	711	-	4"-PV-723-T3



LIGO D961070-01-V

<p>PROPRIETARY AND CONFIDENTIAL</p> <p>THIS DRAWING CONTAINS PROPRIETARY INFORMATION BELONGING TO PROCESS SYSTEMS INTERNATIONAL, INC. OR ITS SUBSIDIARIES AND SHALL BE KEPT CONFIDENTIAL AND NOT TO BE REPRODUCED OR DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF PROCESS SYSTEMS INTERNATIONAL, INC. AND SHALL BE RETURNED UPON REQUEST.</p>		<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</p> <p>TERMINOLOGY: FRACTIONAL & ANGULAR DIMENSIONS SHOWN AS 1/2" AND 60° RESPECTIVELY. FINISHED SURFACE AND BREAK CONTOURS TO REMAIN ALL DIMS.</p>		<p>1 ISSUE FOR FDR</p> <p>0 ISSUE FOR DESIGN</p> <p>P2 REVISED</p>		<p>04.26.96 0134</p> <p>01.03.96 0030</p> <p>10.02.95 0003</p>		<p>PROCESS SYSTEMS INTERNATIONAL, INC.</p> <p>20 WILBUR DR. WESTBOROUGH, MASSACHUSETTS 01581 USA</p>	
<p>V049-0-001 P & ID LEGEND</p>		<p>DO NOT SCALE THIS DRAWING</p>		<p>P1 PRELIMINARY DESIGN UPDATE</p>		<p>09.26.95 -</p>		<p>PIPING & INSTRUMENTATION DIAGRAM</p> <p>LIGO VACUUM EQUIPMENT</p> <p>BEAM SPLITTER CHAMBER (BSC)</p> <p>ALL BUT CORNER VERTEX ARMS</p>	
<p>DWG. NO. DESCRIPTION REFERENCE DRAWINGS</p>		<p>USED IN: NEXT ASS'Y</p>		<p>REV DESCRIPTION</p>		<p>CHKD DRWN DATE DEBN</p>		<p>CAD FILE: V0490002</p> <p>SIZE: D</p> <p>DWG. NO: V049-0-002</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>	