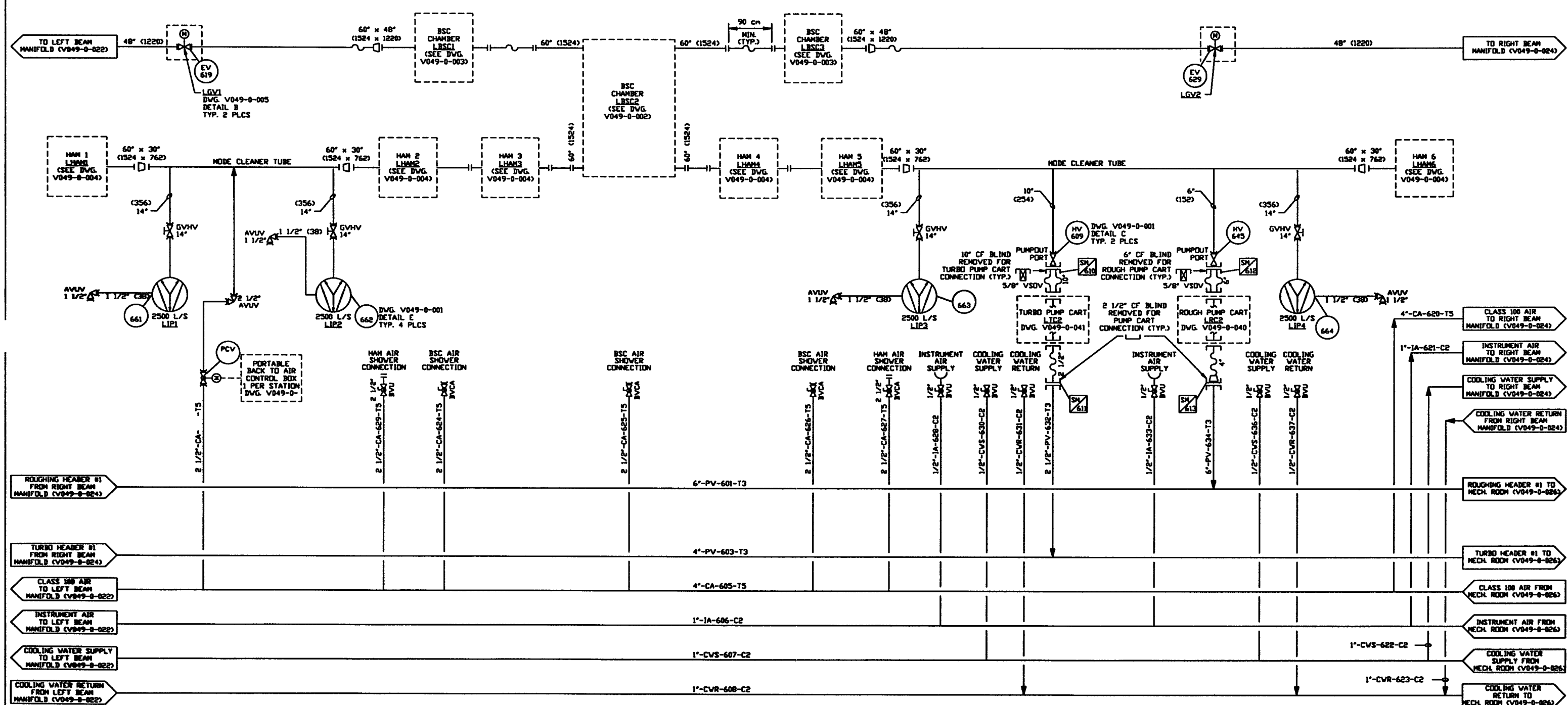


- NOTES:**
1. EACH PUMPOUT PORT LOCATION HAS BOTH POWER & CONTROL PLUG-IN CONNECTIONS.
 2. ALL VACUUM GAUGES TO BE BAKED OUT AT 250 C DURING PUMPOUT. USING A REMOVABLE BLANKET TYPE HEATER. ALL VACUUM SECTIONS SHALL ALSO BE BAKED OUT AT 150 C DURING PUMPOUT USING A REMOVABLE BLANKET TYPE HEATER. SEE DWG. V049-0-043 FOR BAKED OUT SYSTEM.
 3. DIMENSIONS IN () ARE IN MILLIMETERS.
 4. BEAM MANIFOLD DIMENSIONS INDICATE INSIDE DIAMETERS.
 5. BEAM MANIFOLD FLANGE ANNULUS IDN PUMP DETAILS LATER.



NO.	DESCRIPTION	NO.	DESCRIPTION	EQUIP. THIS DWG.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	REV	DESCRIPTION	CHKD	DRWN	DATE	ISSUE	SCALE	SHEET	
V049-0-024	P & ID RIGHT BEAM MANIFOLD	V049-0-041	P & ID TURBO PUMP CART	LGV1	TOLERANCES: FRACTIONAL: ANGULAR: HOLE: FINISHED SURFACE TO BE BREAK ALL BURS	1	ISSUE FOR FDR	REB	TS	RT	SM	04.26.96	0134	
V049-0-022	P & ID LEFT BEAM MANIFOLD	V049-0-040	P & ID MAIN ROUGHING PUMP CART	LGV2		0	ISSUE FOR DESIGN							
V049-0-004	P & ID HORIZONTAL ACCESS MODULE	V049-0-026	P & ID MECHANICAL ROOM	LHAM1		DO NOT SCALE THIS DRAWING								
V049-0-003	P & ID BEAM SPLITTER CHAMBER			LHAM2		USED ON								
V049-0-002	P & ID BEAM SPLITTER CHAMBER			LHAM3		NEXT ASS'Y:								
V049-0-001	P & ID LEGEND			LHAM4										
V049-0-002	P & ID BEAM SPLITTER CHAMBER			LHAM5										
V049-0-001	P & ID LEGEND			LHAM6										
				LTC2										

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PIPING & INSTRUMENTATION DIAGRAM
LIGO VACUUM EQUIPMENT
LOUISIANA SITE
VERTEX SECTION

CAD FILE	SIZE	DWG. NO.	REV.
V0490023	D	V049-0-023	1

SCALE: NONE SHEET: 1 OF 1