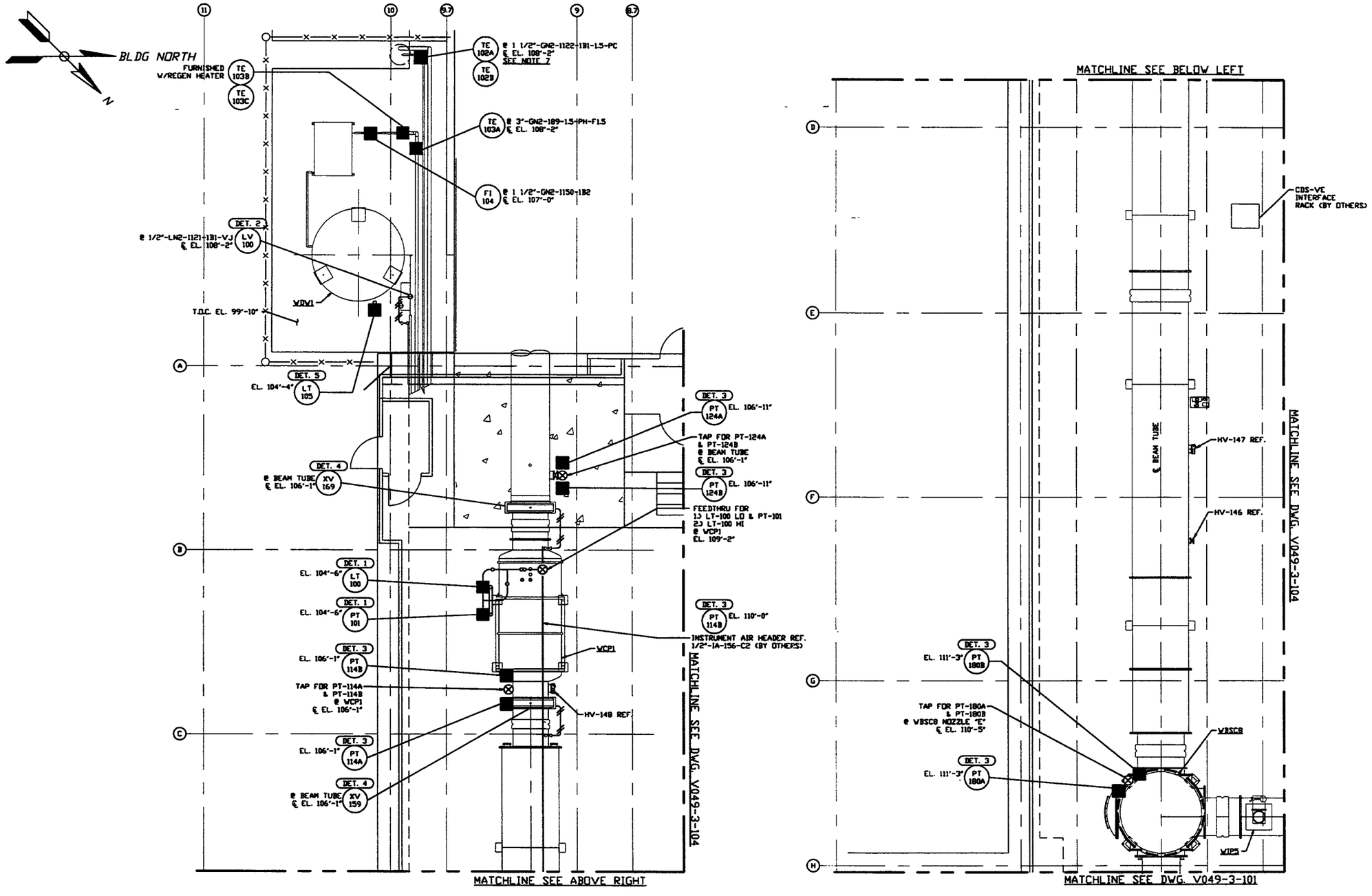
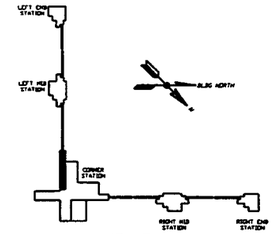


LEFT BEAM MANIFOLD PLAN @ EL. 100'-0"

NOTES:

1.) FOR GENERAL NOTES & LEGEND SEE PSI DWG. #V049-3-001 SHT. 1.
2.) FOR LIST OF CIVIL CONTRACTOR REFERENCE DWGS. WITH CURRENT REVISIONS SEE PSI DWG. #V049-3-001 SHT. 2.
3.) FOR INSTRUMENT INSTALLATION DETAILS SEE PSI DWG. #V049-3-008.
4.) ALL PROCESS TUBING SHALL BE 3/8" O.D. x .035 THK SEAMLESS SSTL. TYPE 304.
5.) TUBING ROUTING SHOWN ON PLAN IS DIAGRAMMATICAL AND SHALL BE FIELD VERIFIED SO AS TO OPTIMIZE SUPPORTING MEANS AND TO AVOID INTERFERENCES WITH CONDUIT & PIPING SYSTEMS.
6.) ALL INSTRUMENT AIR TUBING SHALL BE 1/4", TYPE L, OR LARGER, COPPER, WITH BRASS COMPRESSION CONNECTORS.
7.) DUAL THERMOCOUPLE TE-102A/B SHALL BE LOCATED WITHIN 6 INCHES OF THE CHECK VALVE HEAT TAPE.



KEY PLAN

PROPRIETARY AND CONFIDENTIAL

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REFERENCE DRAWINGS

DWG. NO.	DESCRIPTION	DWG. NO.	DESCRIPTION
V049-3-101	INSTRUMENT PLAN WASHINGTON VERTEX SECTION		
V049-3-008	INSTRUMENT INSTALLATION DETAILS		
V049-3-002	WASHINGTON OVERALL SITE PLAN		
V049-3-001	GENERAL NOTES & LEGEND	V049-3-012	PIPING PLAN WASHINGTON CORNER STATION
V049-0-006	P & I D 80K CRYOPUMP	V049-3-001	EQUIP. ARRANGEMENT WASHINGTON CORNER STATION
V049-0-012	P & I D WASHINGTON LEFT BEAM MANIFOLD	V049-3-104	INSTRUMENT PLAN WASHINGTON DIAGONAL SECTION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ±2° BEND ±2°
TWO PLACE DECIMAL ± .01
THREE PLACE DECIMAL ± .005
FINISHED SURFACE: RMS
BREAK CORNERS .06 MAX
REMOVE ALL BURRS

DO NOT SCALE THIS DRAWING

USED ON

NEXT ASS'Y

REV	DESCRIPTION	CHKD	DRVN	DATE	DEC#
2	ISSUE FOR CONSTRUCTION	FAB		05.12.97	0480
1	ISSUE FOR FDR UPDATE & BID		RJV	11.25.96	0355
0	ISSUE FOR FDR	FAB	RJV	04.26.96	0129

ISSUE DESCRIPTION

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

INSTRUMENT PLAN LIGO VACUUM EQUIPMENT WASHINGTON SITE LEFT BEAM MANIFOLD

CAD FILE	SIZE	DWG. NO.	REV.
V0493102	D	V049-3-102	2

SCALE 3/16" = 1' - 0" SHEET 1 OF 1

LIGO-D960550-02-V