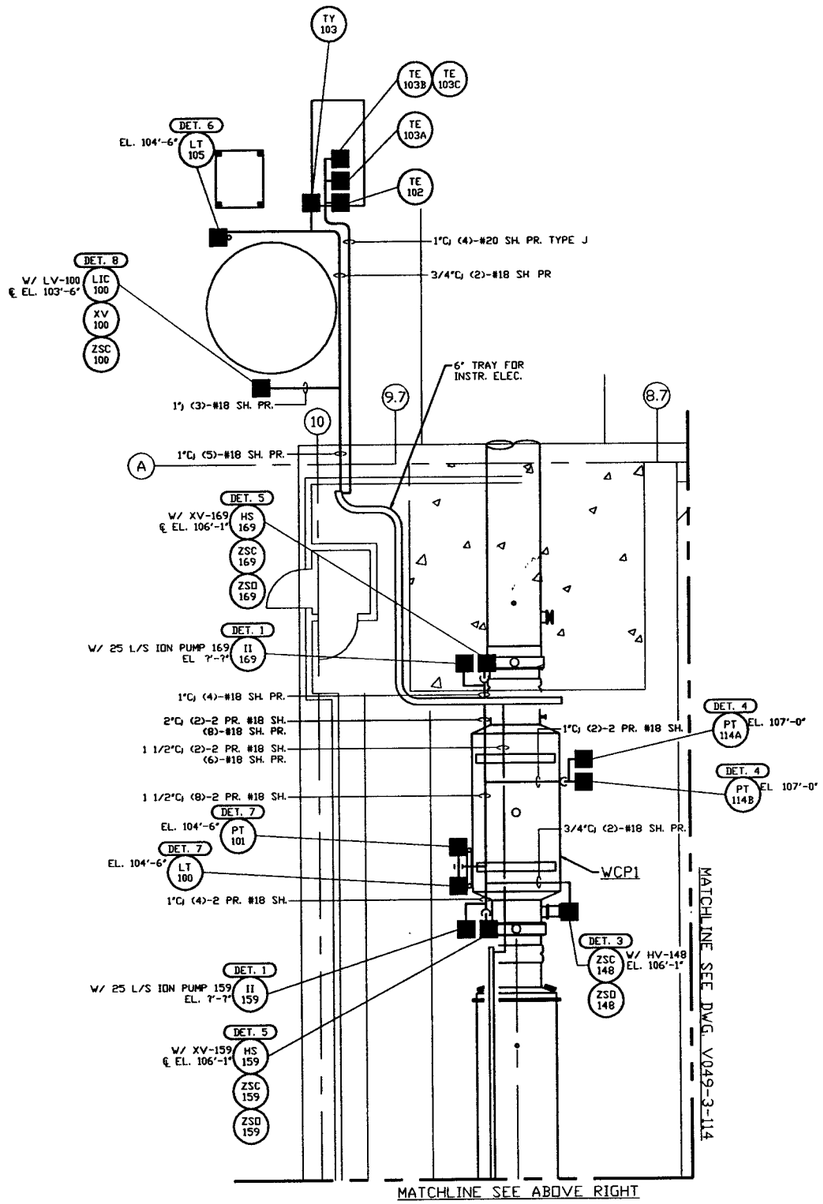
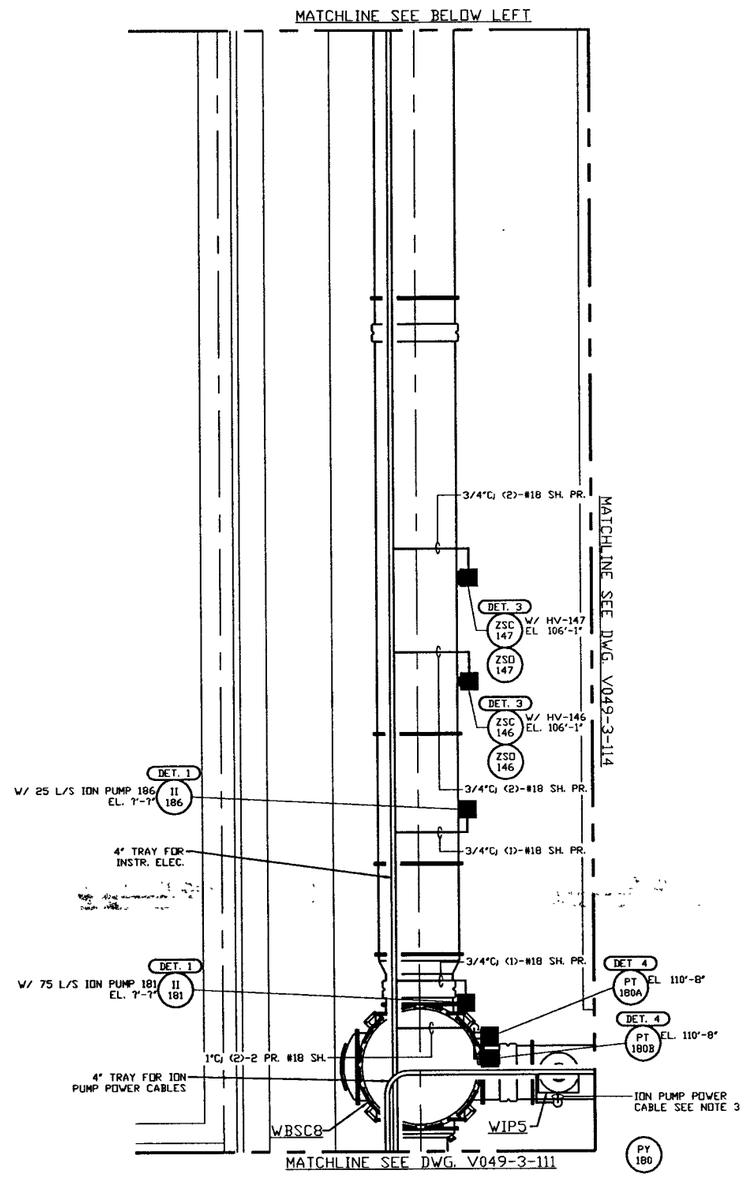
NOTES:

1) FOR INSTRUMENT ELECTRICAL INSTALLATION DETAILS SEE PSI DWG. V049-3-007.
2) CONDUIT IS SHOWN DIAGRAMMATICALLY AND SHALL BE FIELD VERIFIED SO AS TO OPTIMIZE SUPPORTING MEANS AND TO AVOID INTERFERENCES WITH PIPING SYSTEMS.
3) ION PUMP POWER CABLES SHALL BE RUN IN 2" CABLE CHANNEL FROM ION PUMP DOWN TO 4" TRAY LOCATED UNDER BEAM TUBE.





NOT FOR CONSTRUCTION

LEGEND

- INSTRUMENT ELECTRICAL CONNECTION
- (XX) INSTRUMENT IDENTIFICATION
- (DET. X) INSTALLATION DETAIL SEE NOTE 1

LIGO-D960558-00-V

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REFERENCE DRAWINGS

DWG. NO.	DESCRIPTION	DWG. NO.	DESCRIPTION
V049-3-111	INSTR. ELEC. PLAN WASHINGTON VERTEX SECTION		
V049-3-102	INSTRUMENT PLAN WASHINGTON LEFT BEAM MANIFOLD		
V049-3-007	INSTRUMENT ELECTRICAL INSTALLATION DETAILS		
V049-3-002	WASHINGTON OVERALL SITE PLAN		
V049-3-001	GENERAL NOTES & LEGEND	V049-3-123	CDS INTERFACE DIAGRAM
V049-0-012	P & I D WASHINGTON LEFT BEAM MANIFOLD	V049-3-114	INSTR. ELEC. PLAN WASHINGTON DIAGONAL SECTION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ±0°-30' BEND ±2°
TWO PLACE DECIMAL ± .01
THREE PLACE DECIMAL ± .005
FINISHES: SURFACE RMS
BREAK CORNERS .06 MAX. REMOVE ALL BURRS

DO NOT SCALE THIS DRAWING
USED ON
NEXT ASS'Y

REV	DESCRIPTION	CHKD	DRWN	DATE	DCN#
0	ISSUE FOR FDR		Drw FAB	04.26.96	0129

ISSUE DESCRIPTION

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

INSTRUMENT ELECTRICAL PLAN
LIGO VACUUM EQUIPMENT
WASHINGTON SITE
LEFT BEAM MANIFOLD

CAD FILE	SIZE	DWG. NO.	REV.
V0493112	D	V049-3-112	0

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