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-702A/B SHALL BE LOCATED WITHIN 6 INCHES OF THE CHECK VALVE HEAT TAPE.

BLDG NORTH

VACUUM EQUIPMENT AREA
EXPERIMENT EQUIPMENT AREA
CHANGING ROOM
CLEANING AREA
INSPECTION SHIPPING/RECIEVING AREA
MECHANICAL ROOM

DET. 3 PT 710B EL. 111'-3"
TAP FOR PT-710A & PT-710B @ LBSCS NOZZLE "F" ℄ EL. 110'-5"
DET. 3 PT 710A EL. 111'-3"
DET. 3 PT 724B EL. 106'-1"
TAP FOR PT-724A & PT-724B @ LCP3 ℄ EL. 106'-1"
DET. 3 PT 724A EL. 106'-1"
FEEDTHRU FOR 1.) LT-700 LO & PT-701 2.) LT-700 HI @ LCP3 EL. 109'-2"
EV 709 @ BEAM TUBE ℄ EL. 106'-1"
DET. 3 PT 723B EL. 106'-1"
TAP FOR PT-723A & PT-723B @ BEAM TUBE ℄ EL. 106'-1"
DET. 3 PT 723A EL. 106'-1"
℄ BEAM TUBE
LIPS
LCP3
LBSCS
HV-721 REF.
HV-720 REF.
℄ BEAM TUBE EV 719 ℄ EL. 106'-1"
DET. 1 PT 701 EL. 104'-6"
DET. 1 LT 700 EL. 104'-6"
INSTRUMENT AIR REF. 1/2"-IA-746-C2 (BY OTHERS) CDS-VE INTERFACE RACK
DET. 2 LV 700 @ 1/2"-LN2-728-1B1-VJ ℄ EL. 108'-2"
TE 703A @ 1 1/2"-GN2-730-1B1-1.5-PH-F15 ℄ EL. 108'-2"
TE 702A @ 1 1/2"-GN2-729-1B1-1.5-PC ℄ EL. 108'-1" SEE NOTE 7
TE 702B
TE 703B FURNISHED W/REGEN HEATER
TE 703C
FI 704 @ 1 1/2"-GN2-741-1B2 ℄ EL. 107'-0"
T.O.C. EL. 99'-10"
1 1/2"-CWS-718-C2 REF.
1 1/2"-CWR-719-C2 REF.
LTC3B
LDW3
DET. 5 LT 705 EL. 104'-4"
LCA700
PNL-700
DET. 7 PI 727 @ 2"-CA-702-T3 EL. 104'-0"
DET. 7 PI 726 @ 2"-CA-702-T3 ℄ EL. 108'-1"

KEY PLAN

LEFT END STATION PLAN @ EL. 100'-0"

PRELIMINARY NOT FOR CONSTRUCTION

LIGO-D970136-00-V

DWG. NO.	DESCRIPTION
V049-5-046	PIPING PLAN LOUISIANA LEFT END STATION
V049-5-009	EQUIP. ARRANGEMENT LOUISIANA LEFT END STATION
V049-3-008	INSTRUMENT INSTALLATION DETAILS
V049-3-003	LOUISIANA OVERALL SITE PLAN
V049-3-001	GENERAL NOTES & LEGEND
V049-0-010	P & I D WASHINGTON LEFT END STATION

REFERENCE DRAWINGS

REV	DESCRIPTION	CHKD	DRWN	DATE	DED#
0	ISSUE FOR LA DESIGN REVIEW			02.24.97	0430

ISSUE DESCRIPTION

DO NOT SCALE THIS DRAWING
USED ON
NEXT ASS'Y

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

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

INSTRUMENT PLAN
LIGO VACUUM EQUIPMENT
LOUISIANA SITE
LEFT END STATION

CAD FILE	SIZE	DWG. NO.	REV.
V0493701	D	V049-3-701	0
SCALE 3/16" = 1' - 0"		SHEET 1 OF 1	