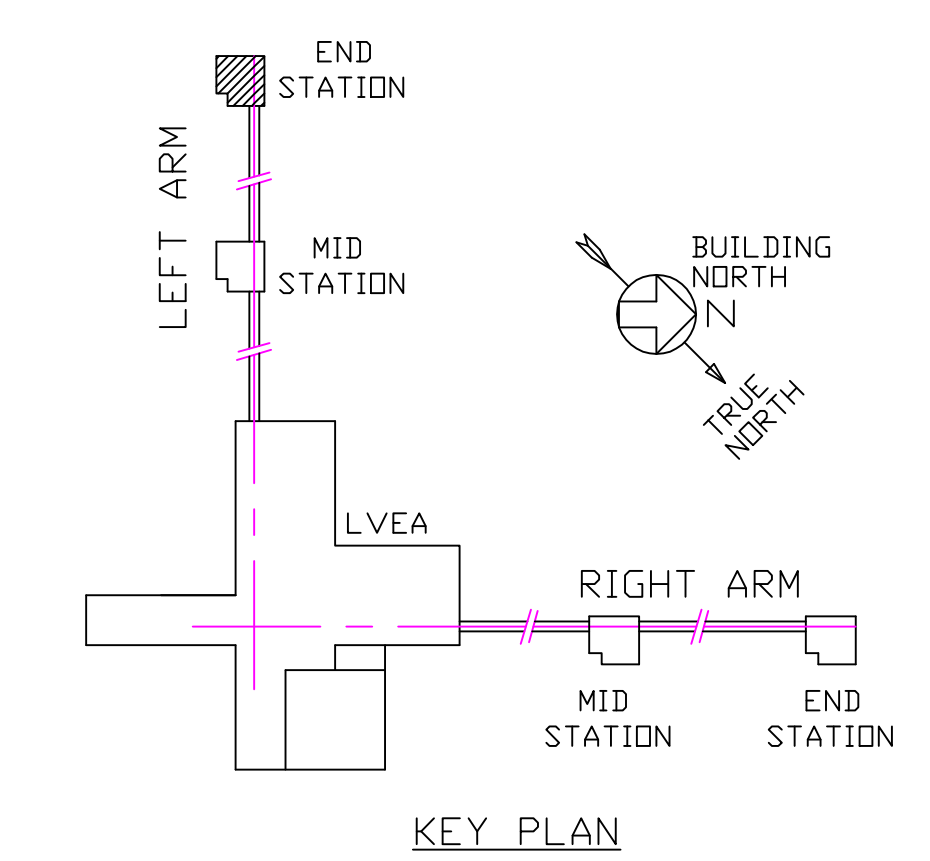


SECTION B
SCALE 3/4"=1'-0"
(HOLES BY OTHERS)

SECTION C
SCALE 3/4"=1'-0"
(HOLE BY OTHERS)

NOTES:
1. ALL GATE VALVES ARE SUPPLIED BY PSI.

NOTE: SPECIAL BOLTS AND WASHERS ARE REQUIRED TO CONNECT SPOOL FLANGES TO 44" AND 48" GATE VALVES. USE PSI P/N 203567 FOR BOLTS AND PSI P/N 203568 FOR WASHERS. SEE BUILDING BOM V049100WA FOR MATERIALS.
FOR ORIENTATION OF LARGE GATE VALVES SEE SIDE OF VALVE NOTED BY SYMBOL 'VS' IN PLAN BELOW. ALL 6", 10" & 14" GATE VALVES ARE TO HAVE SEAL SIDE MOUNTED TOWARD VESSEL.
2. SEE SPEC. V049-2-021 FOR INSTALLATION/ COMMISSIONING INFORMATION.
3. FOR TUBING/ PIPE SUPPORT REQUIREMENTS, SEE SPEC. V049-2-021, SECTION 10.
4. SEE DWG. D V049-4-010 FOR TURBO PUMP CART INSTALLATION.
5. LN2 TANK ANCHOR BOLTS BY OTHERS.
6. FOR ANCHOR BOLTS AND VIBRATION ISOLATION PAD REQUIREMENTS FOR VACUUM SUPPORT ROOM EQUIPMENT AND ELECTRICAL CABINETS, SEE DWG.V049-5-032, DETAIL 2.



SUPPORTS LEGEND

A	3 WAY ANCHOR
SG	SUPPORT/GUIDE (AXIALLY FLEXIBLE)
S	VALVE SUPPORT
□	GATE VALVE ION PUMP LOCATION
VS	VALVE SEAL SIDE

DWG. NO.	DESCRIPTION	DWG. NO.	DESCRIPTION
V049-0-100	DRAWING TREE/BDM STRUCTURE		
V049-2-021	SPEC FOR INSTALLATION/ COMMISSIONING		
V0490-0-001	P @ ID LIGO VACUUM EQUIPMENT		
WA-A-202	PARSONS ARCHITECTURAL END STATIONS FLOOR PLAN		
1101102	LIGO VACUUM EQUIPMENT END STATION		

REV	DESCRIPTION	ISSUE DESCRIPTION
5	AS-BUILT	
4	REISSUED FOR CONSTRUCTION AS NOTED	
3	REISSUED FOR CONSTRUCTION AS NOTED	
2	ISSUED FOR CONSTRUCTION	
1	ISSUED FOR FDR UPDATE & BID	
0	ISSUED FOR FDR	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES: FRACTIONAL ± ANGULAR/MACH ± BEND ± TWO PLACE DECIMAL ± FINISHED SURFACE RMS BREAK CORNERS IN OUT REMOVE ALL BURRS

DD NOT SCALE THIS DRAWING

USED ON: REV DESCRIPTION

NEXT ASS'Y: REV DESCRIPTION

SCALE: 1/8"=1'-0"

PROCESSED BY: GW 5/22/98 0615

REVISIONS: DMW RDC REC DA 6/26/97 0507
DMW RDC REC SPIDER 6/9/97 0497
DMW RDC REC PV 4/14/97 0465
DMW RDC REC PV 2/4/97 0356
DMW RDC REC PV 5/6/96 0147

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

EQUIPMENT ARRANGEMENT
LEFT END STATION
WASHINGTON
LIGO VACUUM EQUIPMENT

CAD FILE: V0495007
SIZE: D
DWG. NO.: V049-5-007
REV: 5

SHEET 1 OF 1

EDUCATION VERSION - NOT FOR COMMERCIAL USE

MAY 28, 1998 - 1539422