MATCH LINE FOR CONT. SEE DWG V049-5-012, SHT.1

V049-5-014, SHT.1

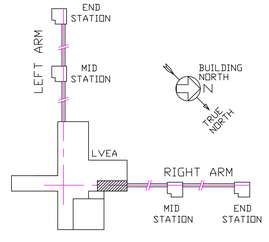
DET 3 V049-5-014, SHT.3

TOP

2 1/2"-PV-185-T3 TURBO HEADER
1/2"-IA-183-C2
1/2"-CWS-186-C2
3"-GN2-191-1B1-1.5-PH-FP1.5
1/2"-CWR-187-C2
PS-5
4"-VA-1154-1B1
1 1/2"-GN2-1124-1B1-3-PC-FP3
1"-2"
2'-7 3/4"
8'-5 1/2"
7'-1 1/8"
15'-4"
3'-5 5/8"
H
H.7
7
5
BEAM TUBE ENCLOSURE
WALL PENETRATION 'B'
TIGHT U-BOLT ANCHOR AT VJ LINE
U-BOLT GUIDE 4" LINE
GUIDE INSULATED LINES PER
INSUL. SPEC. V049-2-163 FIG D4
PIPE SUPPORT
CL BEAM MANIFOLD
4"-VA-1154-1B1
1 1/2"-GN2-1124-1B1-1.5-PC-F1.5
3"-GN2-191-1B1-1.5-PH-FP1.5
1"-GN2-C2 (TO MECH. ROOM)
U-BOLT GUIDE AT BARE LINES
3/4"-CI RV DISCHARGE RUN TO GRADE
TE 152
TE 153
RV 183
HV 157
SM 131
3" INSUL.
1.5" INSUL.
I.7
4"-CA-153-T5
4"-PV-103-T3
1"-IA-120-C2
1"-CWS-121-C2
1"-CWR-122-C2
1"-GN2-C2
WCP2
1/2"-LN2-1123-1B1-VJ
B.O.P. EL 108'-0 3/16"
SEE DWG. V049-4-076
60'-4 9/16"
6'
1'-6 5/8"
4'-1 13/16"
3'-9 1/2"
7 3/4"
42"
T.O.S EL 108'-0 3/16"
BOTT
1/2"-LN2-1123-1B1-VJ
3"-GN2-191-1B1-1.5-PH-FP1.5
4"-VA-1154-1B1
1 1/2"-GN2-1124-1B1-3-PC-FP3
15'-4"
1/2"-IA-1177-C2
VJ INS
0"
HV 196
LV 150
HV 158
RV 158
FT 154
CL EL 105'-1"
IN, 1 1/2"
CL EL 101'-8"
ELECTRIC HEATER SEE DWG. V049-4-177
1 1/2"-GN2-1152-1B2
CL EL 102'-5"
UNION
180°
LN2 TANK
WDW2
CL AMBIENT VAPORIZER
OUT, 1 1/2" BRASS FLG
CL EL 101'-9"
IN, 1 1/2" BRASS FLG
CL EL 101'-9"
1 1/2"-GN2-1151-C1
CL EL 101'-0"
LN2 DISCHARGE AREA
12'
16'
4'-2"
10 7/8"
FENCE BY OTHERS
V049-5-014, SHT.3
V049-5-013, SHT.2
J.3
J
L
R
N
4
5

NOTE: 1. FIELD TO DETERMINE ACTUAL ELEVATIONS OF NOZZLES BEFORE FABRICATION OF PIPING.

2. BRASS 4-HOLE FLANGES ARE PROVIDED WITH AMBIENT VAPORIZERS. THEY ARE TO BE SILVER SOLDER BRAZED TO AN ADAPTER TO S/S PIPE, TO BE PROVIDED BY SITE CONTRACTOR.



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

PIPING ARRANGEMENT
PLAN
CORNER STATION WASHINGTON
LIGO VACUUM EQUIPMENT

CAD FILE	SIZE	DWG. NO.	REV.
V0495012/5012S3	D	V049-5-012	5
SCALE 3/16"=1'-0"		SHEET 3 OF 4	

Jun 18, 1998 - 12:23:15

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