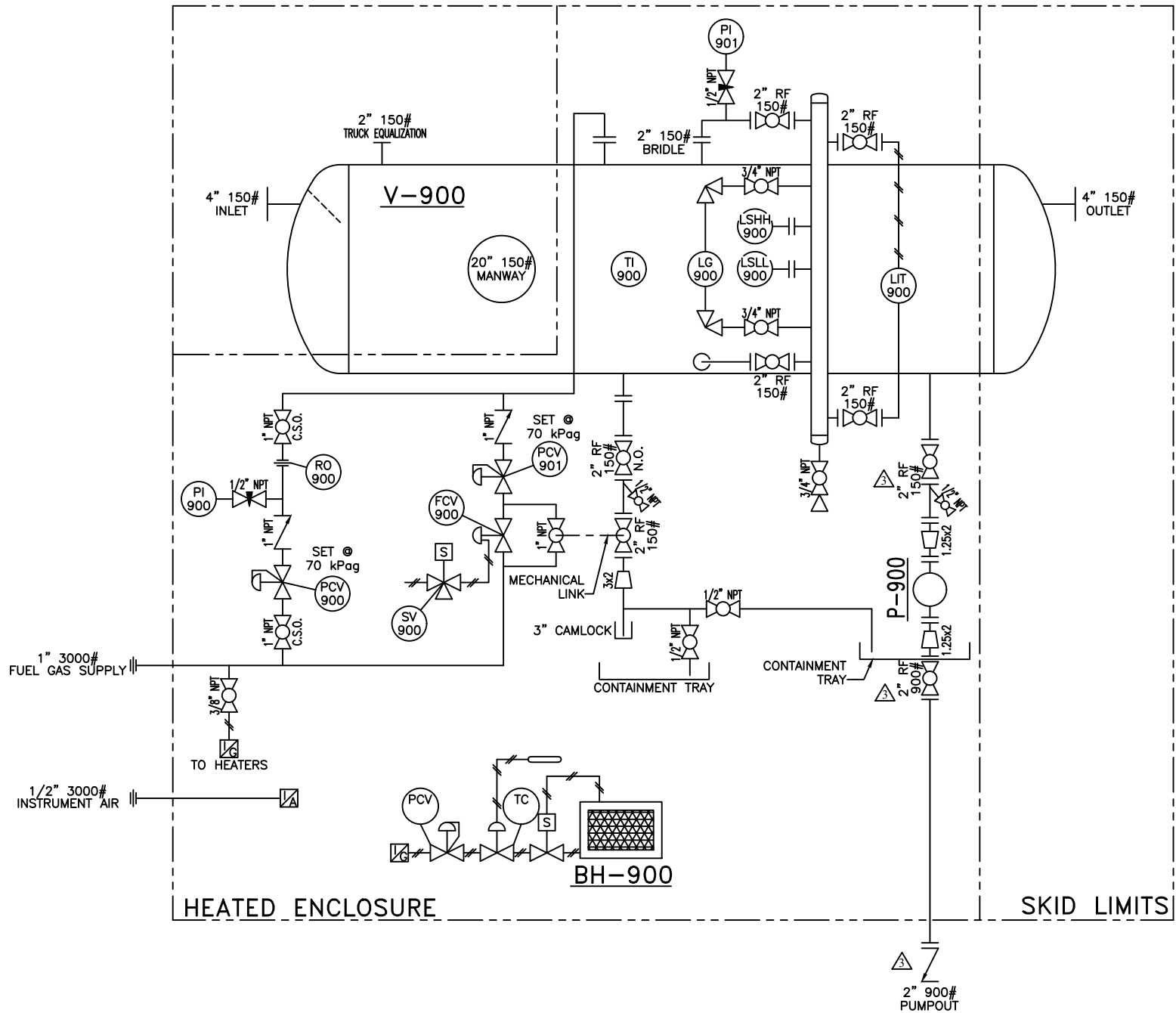




INSTRUMENTATION

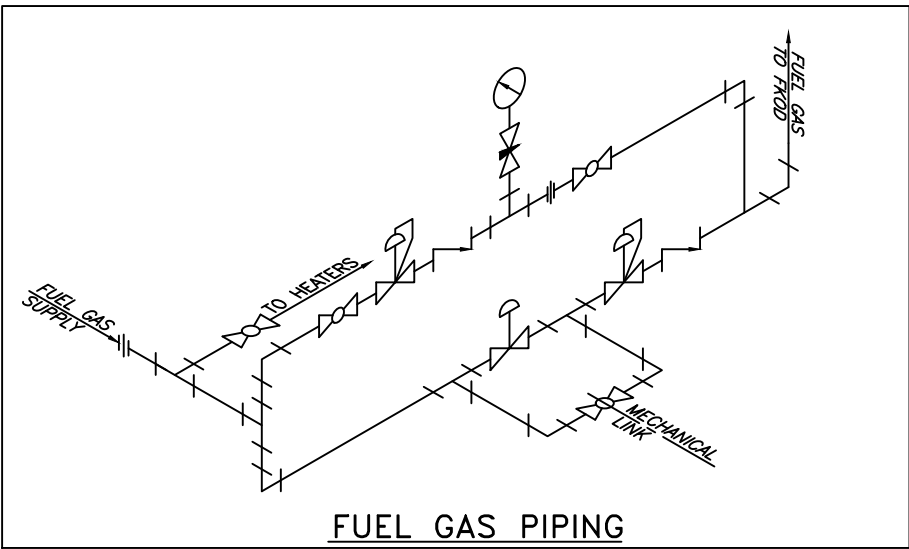
TAG	REQ'D	DESCRIPTION
BH-900/901	2	12" x 24" CATADYNE HEATER, 110 VAC NATURAL GAS
FCV-900	1	1" NPT FISHER D2 CONTROL VALVE
LG-900	2	PENBERTHY 1TM9 LEVEL GAUGE c/w1 SET OF 330J GAUGE VALVES
LSHH/LSLL-900	2	2" SOR 1510C ELECTRIC LEVEL SWITCH NACE
LIT-900	1	ROSEMOUNT 3051L3AA0XD21AAC6 LEVEL TRANSMITTER
P-900	1	GRUNFOS CR1S-2 VERTICAL CENTRIFUGAL PUMP (SOUR)
PCV-900	1	1" FISHER 627 REGULATOR, DUCTILE IRON BODY, 3/32" ORIFICE, SET @ 70 PSI
PCV-901	1	1" FISHER 627 REGULATOR, DUCTILE IRON BODY, 1/8" ORIFICE, SET @ 70 PSI
PI-900/901	2	4 1/2" FACE 0-60 PSI WIKA PRESSURE INDICATOR (SOUR)
RO-900	1	1" x 3000# ORIFICE UNION c/w 1.4mm TAP
SV-900	1	ASCO EF8320G202-24 24VDC - 3 WAY SOLENOID VALVE
TI-900	1	3" FACE, -20 to 120°F TREND DUAL SCALE TEMP. INDICATOR c/w 3/4" x 4" LG SS THERMOWELL

PIPING

ITEM	REQ'D	DESCRIPTION	MATERIAL
1	7	2" x 150# RF RP WKM BALL VALVE NACE	SA-105-N
2	2	2" x 150# RF Y-STRAINER NACE	SA-105-N
3	1	2" x 900# RF WHEATLEY CHECK VALVE NACE	SA-105-N
4	3	1" x 3000# WKM BALL VALVE	SA-105-N
5	3	3/4" x 3000# WKM BALL VALVE NACE	SA-105-N
6	4	1/2" x 3000# WKM BALL VALVE NACE	SA-105-N
7	2	1" x 3000# CHECK VALVE	SA-105-N
8	2	1/2" x 6000# MALE/FEMALE NEEDLE VALVE NACE	SA-105-N
9	1	2" x 900# RF RP MERIDIAN BALL VALVE NACE	SA-105-N

GENERAL NOTES:

1. PIPING DESIGNED & FABRICATED TO ASME B31.3
2. TUBING MATERIAL: 316SS WELDED c/w 316SS SWAGelok FITTINGS
3. PIPE MATERIAL: SA-106-B
4. FLANGE MATERIAL: SA-105-N
5. BOLTING MATERIAL: SA-193-B7M/SA-194-2HM
6. ALL THREADED FITTINGS SHALL BE 2000#
7. ALL INSTRUMENTS SHALL BE IDENTIFIED WITH STAINLESS STEEL TAGS
8. FUNCTION TEST SHALL BE PERFORMED ON ALL INSTRUMENTS
9. DRAIN ALL WATER FROM ALL INSTRUMENTS



V-900
FLARE KNOCKOUT DRUM
48" ID x 10'-0" S/S
50 PSIG @ 100°F
C.A.: 1/8"
SERIAL #: 13658
CRN: R6386.2
BUILT: 2005

V-901
4" NPS BRIDLE
50 PSI @ 100°F
C.A.: 1/8"
SERIAL #: 13659
CRN: OH6257.2
BUILT: 2005

BH-900
CATADYNE BX-12x24
DUTY: 12,000 BTU/HR
110 VOLT, NATURAL GAS
c/w 30'-0" LG CABLES

P-900
GRUNDFOS CR1s-2 PUMP
1/2 HP, 3450 rpm
1ph/(115/230)V, 56C XP

REV. NO.	DATE	REVISION	BY	APP'D
A	01/17/05	ISSUED FOR APPROVAL	DSG	
0	01/21/05	ISSUED FOR FABRICATION	DSG	JAM
1	03/10/05	REVISED INSTRUMENT LIST AS PER REQUEST	DSG	JAM
2	06/20/05	AS BUILT DRAWING	DSG	JAM
3	09/26/05	REVISED PUMPOUT LINE AS PER REQUEST		

BILTON
Welding & Manufacturing Ltd.

This drawing is property of BILTON WELDING & MANUFACTURING LTD and is loaned to the recipient for their confidential use only. In consideration of the loan of this drawing, the recipient promises and agrees that it shall not be used in any way detrimental to the interests of BILTON WELDING & MANUFACTURING LTD, that it shall be returned upon request, and shall not be reproduced, copied, loaned, or otherwise disposed of, directly or indirectly, without the written consent of BILTON WELDING & MANUFACTURING LTD.

BOX 6106
5815 37 Street
INNISFAIL, AB
CANADA
403-227-7799
1-888-227-4923
FAX 227-7796

CONOCOPHILLIPS CANADA
25 BBL SINGLE WALL L.P. FLARE KNOCKOUT DRUM
P&ID

DATE: 01/17/05	SHEET: 4 OF 4
SCALE: N.T.S.	JOB NO.:
DRAWN BY: DSG	B341
PURCHASE ORDER: 4504478727	DRAWING NO.:
LOCATION: 06-03-62-12 W6M	B341-4
APP'D BY: JAM	REV. 3