



H-100/101/102  
CATADYNE BUILDING HEATER  
24" x 24" 24,000 BTU/HR  
PROpane GAS  
c/w GRILL HOOD, CABLES, CLAMPS,  
TO 100% SHUT OFF  
12 VDC

V-100  
INLET SEPARATOR  
SIZE: 48" OD x 15'-0" S/S  
DESIGN: HORIZONTAL 3 PHASE  
MAWP: 1440 Psi @ -20/130°F  
C.A.: 1/8" @ -20/130°F  
SERVICE: SOUR (RT-1, PWHT, ALL FLANGED)

V-200  
(SOUR) FUEL GAS SRCRUBBER  
SIZE: 8" x 36"  
c/w FLOAI SHUT OFF

P-500  
METHANOL PUMP  
ARROW 510 3/8" PLUNGER  
c/w PESCO PUMP STAND

PESCO SCOPE OF SUPPLY

INSTRUMENT LIST

INSTR #	QTY	DESCRIPTION
FE-100	2	4"-600# RF SR DANIEL METER RUN A&A 2000, 3C SGN 80 (SOUR)
FR/RR-100	2	BARTON 202E, 2 PEN 0-100" WC, 0-1500 Psi STATIC, NACE BOUNDARY c/w SS 5 VALVE MANIFOLD
PC-100	1	FISHER 4150 PRESSURE CONTROLLER, 0-1500 Psi TUBE, 6-30 PSI OUTPUT
PI-100	1	WESTERN OR EQUAL PRESSURE GAUGE 4 1/2" DIA, 0-1500 PSI RANGE, DS, 1/2" NPT END CONNECTION, LIQUID FILLED
TI-100	1	WESTERN OR EQUAL TEMPERATURE GAUGE, -20 TO 160°F, DS, 3" DIA X 6" STEM, 1/2" FNPT X 3/4" NPT c/w 316 SS THERMOWELL
LC-100	1	FISHER L2 LEVEL CONTROLLER, 2" NPT c/w 12" LONG PVC HORI. DISPLACER, COOKS
LV-100	1	FISHER 1051-V200, 3" 600# RF BALL VALVE c/w SIZE 40 ACTUATOR, FC/NAGE
HS-D-100	1	FISHER L2 C/W HORI. PVC DISPLACER
PRV-200	1	FISHER 627 1" NPT 1/4" DIA. TRM, 70-150 Psi (SOUR)
PRV-210/220	4	FISHER 67CFR PRESSURE REGULATORS, 0-35 Psi
PI-200	2	WESTERN OR EQUAL PRESSURE GAUGE 2 1/2" DIA, 0-300 PSIG RANGE, DUAL SCALE, 1/4" NPT END CONNECTION, LIQUID FILLED
PSV-100	1	1/2" HLR 7890 PNEUMATIC HIGH PRESSURE SWITCH
PSV-200	1	FARRIS 26H413-120/90 2" 600# x 3" 150# PRESSURE RELIEF VALVE, SET @1440 Psi (SOUR)
PV-100	1	TAYLOR 18200 1" x 1" NPT PRESSURE RELIEF VALVE, SET @250 Psi (SOUR)
SV-100	1	FISHER 667-ET 4" 600# RF CONTROL VALVE, FC, (SOUR)
	1	6" 600# SPECTACLE BLIND, 7/8" THK.

VALVE LIST

TYPE	QTY	DESCRIPTION
BALL VALVE	7	1/4" NAWCO CI SS 1500# RP THRD
BALL VALVE	6	1/2" NAWCO CI SS 1500# RP THRD
BALL VALVE	2	3/4" NAWCO CI SS 1500# RP THRD
BALL VALVE	8	1" NAWCO CI SS 1500# RP THRD
BALL VALVE	2	2" 600# RF RP SOUR SERVICE DRESSER TK OR EQUAL
BALL VALVE	2	3" 600# RF RP SOUR SERVICE DRESSER TK OR EQUAL
NEEDLE VALVE	2	4" 600# RF RP SOUR SERVICE DRESSER TK OR EQUAL
NEEDLE VALVE	1	1/4" x 1/4" NPT NEEDLE VALVE, 316SS CENTURY OR EQUAL, 6000#
NEEDLE VALVE	5	1/2" x 1/2" NPT NEEDLE VALVE, 316SS CENTURY OR EQUAL, 6000#
CHECK VALVE	1	1/2" NPT PISTON CHECK VALVE, CLASS 800, NAWCO OR EQUAL
CHECK VALVE	1	1" NPT PISTON CHECK VALVE, CLASS 800, NAWCO OR EQUAL
CHECK VALVE	2	4" 600# RF SWING CHECK VALVE, WHEATLEY, (SOUR)

- NOTES:
1. TUBING 316 SS WELDED, 0.35 WALL THICKNESS
  2. TUBE FITTING SST 316 PARKER ALOK FITTINGS
  3. THREADED PIPE SCH 80, 3000# FITTINGS
  4. BLD. SELF FRAMER GABLE GALVALUME OUTSIDE/WHITE INSIDE
  5. PUMP SUPPLY AND MOUNT ON STAND ONLY, FIELD WILL TE IN
  6. WEIR PLATE PORTION REMOVED

PESCO SCOPE OF SUPPLY

NO.	DESCRIPTION	DATE	BY	CHK'D	APP'D
1	AS-BUILT	08/02/15	BR		
2	RE-ISSUED FOR CONSTRUCTION	08/01/21	BR		
3	RE-ISSUED FOR REVIEW	08/01/18	BR		
0	ISSUED FOR CONSTRUCTION	07/04/24	DHV		

ENGINEER'S STAMP

DRAWN BY: DHV  
CHK'D BY: SL  
APP'D BY: RMS  
SCALE: NTS

CLIENT

GUARDIAN EXPLORATION INC.  
C/O UPSIDE ENGINEERING LTD.



TITLE: 48" OD x 15'-0" S/S 1440 Psig PIPING AND INSTRUMENTATION DIAGRAM  
JOB NO.: 17179  
DRAWING NO.: 17179-PID-01  
REV: 3