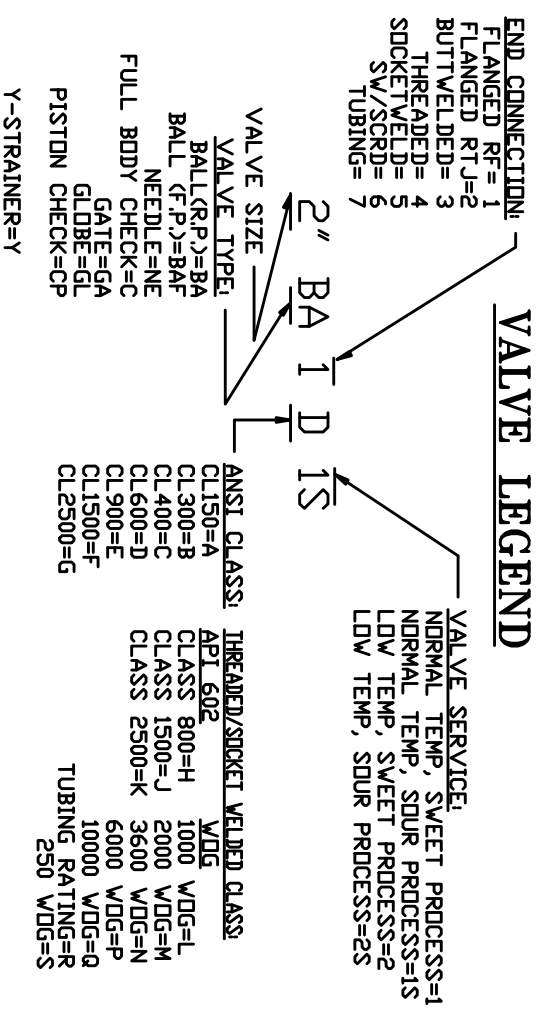



# NOTES:

1. QUANTITIES IN B.O.M. ARE FOR ONE (1) UNIT.
2. ALL PIPING TO BE IN ACCORDANCE WITH THE LATEST EDITION OF ASME B31.3 PROCESS PIPING CODE.
3. VESSEL TO BE FABRICATED TO THE LATEST EDITION OF ASME SECTION VIII, DIVISION 1 PRESSURE VESSELS.
4. THREADED PIPING TO BE SA-106B SMLS, HP 3/4" SCH. XXS, 1" SCH. XXS, LP 1" SCH. 160  $\Delta$
5. TUBING DETAILS: 3/8"(0.065"WT), 1/2"(0.049"WT) 316 SS TUBING c/w SWAGelok 316 SS FITTINGS AND FERULED 3/4"(0.049"WT) 316 SS FOR 627 VENTS
6. PAINTING: PACKAGE TO BE CLEANED TO (SSPC-SP-6)
  - 1st: COAT PRIMER: GREY DEVOE FAST DRY PRIMER
  - 2nd: COAT OF FINISH: VESSEL, SKID & PIPING TO BE WARM GRAY ENAMEL, w/ 'BELLY' OF SEPARATOR TO BE PAINTED BLACK
  - INTERNALLY: PACKAGE TO BE CLEANED TO (SSPC-SP-10)  $\Delta$
  - INTERNAL COATING: 12-15 MILS OF DEVOE 288  $\Delta$
7. PROTECT ALL OPENINGS FOR SHIPMENT
8. BUILDING: SELF FRAMING SHED TYPE: 9'W x 15'-5" L x 10' HIGH EAVE x 9'-8" LOW EAVE
  - EXTERIOR: 22 GAUGE TAN(OCC315) w/ METRO BROWN TRIM, R-12 INSULATION RATING
  - INTERIOR: 24 GAUGE WHITE
  - DOORS: ONE(1) 3'-0" WIDE x 7'-0" HIGH FOAM PANEL DOOR c/w CANOPY, PANIC LOCK, CHECK CHAINS & WEATHER STRIPPING
  - VENTILATION: ONE (1) 12" x 12" STAMPED ALUMINUM LOUVER c/w SLIDER, MOUNTED HIGH
  - TWO (2) 18" x 18" ADJUSTABLE LOUVERS c/w SCREEN & CLOSURE
  - WINDOWS: ONE (1) 36"x36" DOUBLE GLAZED SLIDING c/w SCREEN
  - MISC: 2" BASE FLASHING OVER DRIP LIP
  - VESSEL ENCLOSURE: 1 1/2" FOAM PANEL
  - ACCESS DOORS: TAN w/METRO BROWN TRIM
  - COLOUR: TAN w/METRO BROWN TRIM
  - FOUR(4) 16" x 16" w/LOCKING LATCH DOOR
  - ONE(1) 12" x 24" DUAL DOOR w/LOCKING LATCH
9. ALL BUTT WELDS TO BE 100% X-RAY. HYDROTEST PIPING TO 1.5 x MAWP.
10. WELDED PIPING SPEC CL600 ANSI TO BE 4" NPS SCH 80, 3" NPS SCH. 80, 2" NPS SCH. 160
11. ALL WELDED FITTINGS TO BE SA-234-WPB/SA105-N FLANGES.
12. VENT PRV-230/240/250/LV-100/PSV-400 O/S IN COMMON HEADER
13. PRV-200 (3/4" TUBING), P-400, LC-100, FE-100 CHAMBER, PSV-100/200 TO BE VENTED O/S INDIVIDUALLY  $\Delta$
14. 2" FOAM INSULATION APPLIED TO BOTTOM OF SKID UNDERNEATH BUILDING AND VESSEL ENCLOSURE
15. SHORT TAKE OFF FROM THE PURGE HEADER TO THE LEVEL GAUGES REQUIRED.
16. PROVISION FOR THE METER RUN ORIFICE PLATE SHALL BE PROVIDED
17. ORIFICE PLATE HOLDER SHALL BE WALL MOUNTED AND SHALL HOLD A MINIMUM OF 10 ORIFICE PLATES.
18. P-400, P-500 SUPPLIED BY OTHERS, PAINT/EARTH TO PROVIDE DRIP PANS.
19. FUEL GAS SCRUBBER TO HAVE 100% X-RAY OR THE TOP CIRC. SEAM AND 100% MPI ON ALL FILLET WELDS INCLUDING THE BOTTOM FLAT HEAD WELDING.
20. BUILDING HEATER REGULATORS (PRV-1180, PRV-1170, PRV-1190) AND METER RUN (FE-1110) BLEED OFF ARE TO BE VENTED SEPARATELY AT EAVE HEIGHT ALONG WITH THE VENT HEADER, WHICH IS TO HAVE A SCARF CUT OUTSIDE THE BUILDING.
21. MWS-1110 5 WAY VALVE, FE-1110, P-114, P-115, P-116, PRV-1120, PSV- 1120 & OTHER INSTRUMENTATION TO BE VENTED SEPARATELY @ EAVE HEIGHT.  $\Delta$
22. ALL VENTS HAVE TO BE AWAY FROM BUILDING DOOR.  $\Delta$



NO.	REVISIONS	DATE	APPR	BY	DESCRIPTION
11	REVISED AS SHOWN	09-12-22	PL		
10	REVISED AS SHOWN	09-12-14	AA		
9	REVISED AS SHOWN	09-12-10	AA		
8	REVISED AS SHOWN	09-11-30	AA		
7	REVISED AS SHOWN	09-11-26	AA		
6	REVISED AS PER CUSTOMER	09-11-12	AA		
5	RE-ISSUED FOR CONSTRUCTION	09-11-02	AA		
4	REVISED AS PER CUSTOMER	09-10-16	AA		
12	AS BUILT	10-01-12	JS		
ND.	REVISIONS		DVN	APPR	DATE



**Paintearth**  
ENERGY SERVICES INC.

DESIGNED BY PES	DATE 08/08/08	APPROVED BY PES	PROJECT NO. 10449
CHECKED BY PES		DATE 08/08/08	SHEET NO. 2 OF 2
TITLE BILL OF MATERIALS & NOTES FOR 60" ID x 18'-0" S/S SKID SEP. PACKAGE MAWP 1000 PSig @ 500°F $\Delta$		c/o TUDORA ENGINEERING APPROVER ID #: COL CODE #: DRAWING NO. PES-10449 BDM REVISION NO. BDM	