



## GENERAL NOTES:

- FOR GENERAL NOTES, SYMBOLS, ABBREVIATIONS AND TYPICALS, REFER TO DRAWING:AD197-473-D-10500 TO 10508.

ALL INSTRUMENT AND SPECIAL PIPING ITEM TAG NUMBERS TO BE PRECEDED BY THE AREA CODE 576 UNLESS INDICATED OTHERWISE.

PERFORMANCE GUARANTEE OF THE COMPLETE VRU PACKAGE SHALL BE RESPONSIBILITY OF THE PACKAGE VENDOR.

REV-0 OF THIS P&ID IS DEVELOPED FROM TRAIN-1 REV-0 P&IDs REV-B&C OF THIS P&ID (TRAIN-2) WAS NOT ISSUED AS VRU SYSTEM TRAIN-1 & TRAIN-2 ARE IDENTICAL.

NOTES:

  - LEVEL GAUGE LG-3616 TO BE VISIBLE FROM GLOBE VALVE V145008.
  - 10D STRAIGHT LENGTH.
  - REMOVABLE SPOOL FOR INSPECTION AND MAINTENANCE.
  - 1" BALL VALVE WITH BLIND FLANGE SHOULD BE PROVIDED FOR IN SITU – CALIBRATION AND TESTING.
  - BLIND FLANGE TO ISOLATE THE PIPE UPSTREAM AND DOWNSTREAM OF REMOVABLE SPOOL TO BE PROVIDED IN THE WAREHOUSE.

BLIND FLANGE TO BE PROVIDED IN THE WAREHOUSE FOR PSV INLET/OUTLET NOZZLE. TO BE USED WHEN THE RELIEF VALVE IS REMOVED.

DELETED

REMOVABLE TOP HEAD.

DEDICATED PORTABLE ASSEMBLY WITH FLANGE ADAPTOR CHECK VALVE AND QUICK HOSE CONNECTION TO BE PROVIDED IN WAREHOUSE.

  - PROVISION TO MEASURE H<sub>2</sub>S CONTENT BY PORTABLE DEVICE AFTER MAINTENANCE PURGING.
  - VENTING ARRANGEMENT DURING START-UP AND DURING STAND-BY CONDITION. XV-3673 WILL OPEN DURING START-UP IF PRESSURE REACHES 1.6 barg AND CLOSE IF PRESSURE REACHES 0.6 barg BASED ON THE PRESSURE READING ON PT-3607 ON FIRST STAGE COMPRESSOR SUCTION.

DISSIMILAR TYPE CHECK VALVES THESE ITEMS TO BE PLACED IN RSRD. PT-3660 SIGNAL TO BE CONFIGURED IN DEDICATED DCS SCREEN FOR BDV-3618A PERFORMANCE TESTING TO MEASURE TIME BETWEEN OPERATING PRESSURE AND 100 Psig (6.9 BARG).

THE BALANCED BELLows TYPE BONNET VENT OF PRESSURE SAFETY VALVE SHALL BE ROUTED TO SAFE LOCATION WITHOUT CAUSING ANY BACK PRESSURE TO THE VALVE. REFER INSTRUMENT HOOK-UP DRAINING No. AD197-576-I-50338.

FOR PASSIVE FIRE PROTECTION INSULATION LIMITS, REFER PASSIVE FIRE PROTECTION REPORT AD197-473-G-07006.

THE COAT BACK OF INSULATION SHOULD BE EXTENDED OVER THE FLANGES AND 1m UPSTREAM SIDE OF THE VALVE.

DELETED.2

FOR INSTRUMENT VENTS FROM PT/PDT, REFER P&ID No. AD197-576-D-16621.

### HOLDS:

1. DELETED.
  2. DELETED.
  3. DELETED.
  4. DELETED.
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  8. DELETED.
  9. DELETED.
  10. DELETED.

UMM LULU PHASE II FULL FIELD DEVELOPMENT PROJECT PACKAGE 2  
UMM LULU SUPER COMPLEX AND SUBSEA COMPOSITE POWER CABLES

HNIP JOB No.	TECHNIP DRG. No.	DOC. CLASS
9451Y	9451Y-600-PID-0021-120	1

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GET REF: L02E  
 ELEC-0MM LULU GAS TREATMENT PLATFORM  
 PIPING AND INSTRUMENTATION DIAGRAM  
 ULGTP VRC 4TH STAGE DISCHARGE SCRUBBER-TR.2

