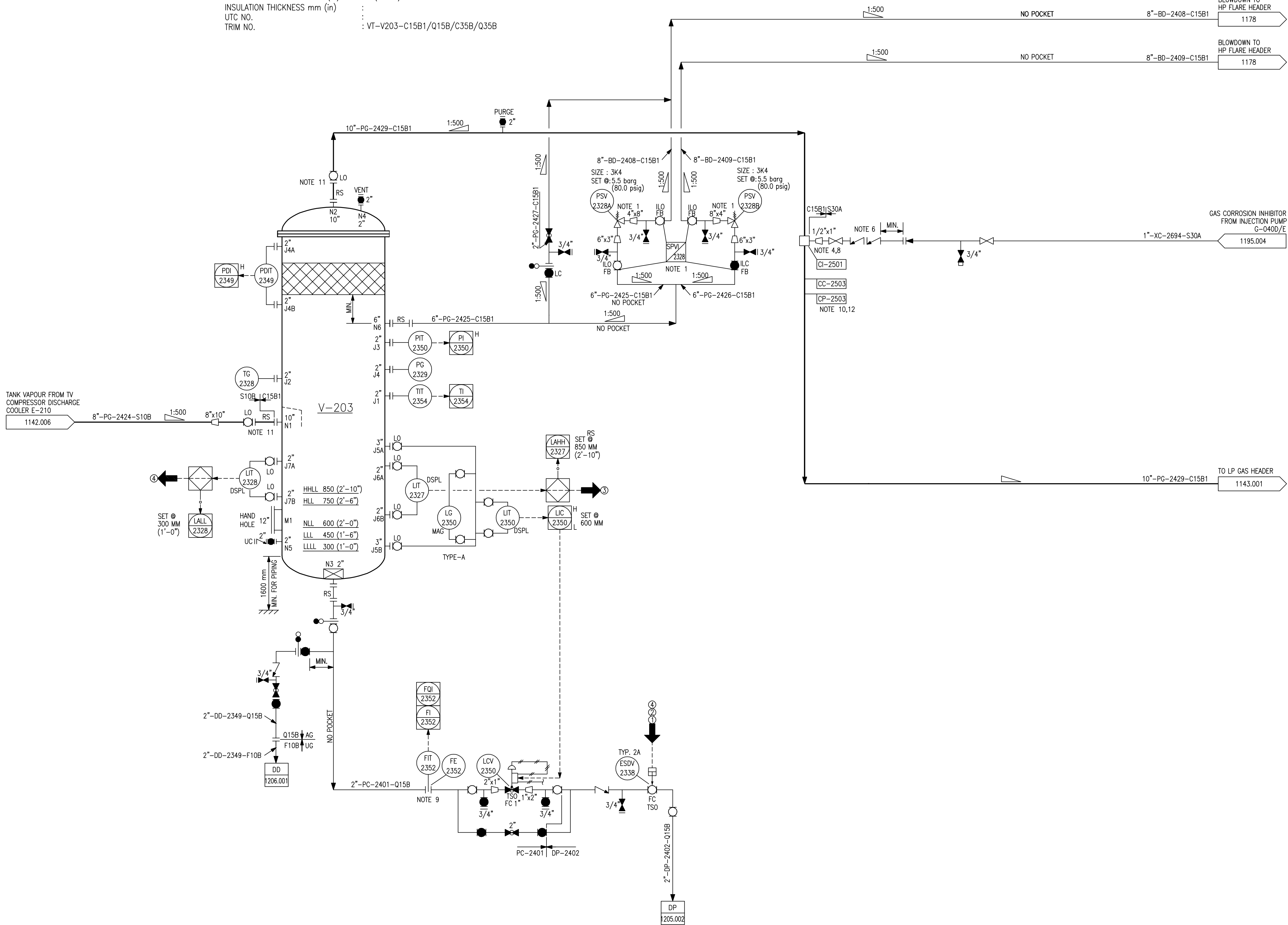


V-203
TANK VAPOUR COMPRESSOR DISCHARGE SCRUBBER (TRAIN B)
DUTY: VAPOUR - Nm3 (MMSCFD) : 7245.3 (6.5)
LIQUID - m3/hr (BPD) : 0.739 (111.5)
OD mm (ft.-in) : 914 (3'-0")
HEIGHT (TL-TL) mm (ft.-in) : 3012 (9'-10")
OP PRESS /DES PRESS barg (PSIG) : 2.6 (37.7)/5.5 (80)
OP TEMP/DESIGN TEMP °C (°F) : 15~60/-3/140 (59~140/27/284)
CORROSION ALLOWANCE mm (in) : 3 (0.118)
INSULATION THICKNESS mm (in) :
UTC NO. :
TRIM NO. : VT-V203-C15B1/Q15B/C35B/Q35B



GENERAL NOTES:

- A. FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.
B. ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530-.
C. ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030-.
D. FOR TYPICAL INSTRUMENT CONNECTION, SBOV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1108.001, .002, .003, .004, .005, .006 & .007.
E. FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE & GENERAL ARRANGEMENT OF LEVEL INSTRUMENTS, PUMPS, STRAINERS & CONTROL VALVES SEE DRAWINGS 50489-530-020-PID-1108.001 TO 1108.010.
F. DRAWING NUMBERS SHOWN IN P&ID CONTINUATION BOXES ARE ABBREVIATED SHOWING DRAWING SEQUENTIAL NUMBERS ONLY. THE FULL FORM OF THE DRAWING NUMBER IS 50489-530-020-PID-XXXX.SHT.NO.
G. FOR MATERIAL SELECTION DIAGRAM SEE DRAWINGS 50489-530-020-MSD-1001.001 TO 1023.
H. DETAIL NUMBERING FOR CI, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.
I. PAINTING & COATING ARE IN ACCORDANCE WITH KOC-P-001.
J. LOW POINT DRAIN & HIGH POINT VENT ARE INDICATED IN P&ID.
K. FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.
L. FOR ALARM VALUES REFER DOC. NO. 50489-530-020-SUM-1006.

NOTES:

1. RELIEF VALVE INLET AND DISCHARGE VALVES ARE KEY INTERLOCKED SUCH THAT ONE RELIEF VALVE IS ALWAYS ON LINE AT ANY TIME.
2. DELETED.
3. DELETED.
4. FOR CHEMICAL INJECTION NOZZLE DETAILS SEE STANDARD DWG. 50489-530-020-PID-1108.001.
5. DELETED.
6. DISSIMILAR CHECK VALVES.
7. DELETED.
8. CHEMICAL INJECTION POINT ARE LOCATED AS NEAR AS POSSIBLE FROM GAS OUTLET OF THE SCRUBBER.
9. STRAIGHT LENGTH REQUIRED FOR ORIFICE FLOW METER ARE 20D UPSTREAM & 5D DOWNSTREAM.
10. FOR CORROSION MONITORING STATIONS (CMS):-
(a) CMS ARE INSTALLED AS PER KOC-MP-035.
(b) PROPER ACCESS PIT OR PLATFORM ARE PROVIDED FOR RETRIEVAL OF COUPEN/PROBE.
(c) MATERIAL FOR CMS ARE PROCURED FROM KOC APPROVED VENDOR LIST.
(d) CMS ARE LOCATED IN BOTTOM 6 O'CLOCK POSITION.
(e) TAG NUMBERING OF CMS IS AS PER APPENDIX-C OF KOC-MP-035.
11. DRIP RING WITH BLEED VALVE IS PROVIDED BETWEEN ISOLATION VALVE & REMOVABLE SPOOL PIECE FLANGE CONNECTION FOR BLEED PURPOSE. BLIND FLANGE TO BE PROVIDED AFTER DISMANTLING OF REMOVABLE SPOOL PIECE DURING MAINTENANCE.
12. ONE ADDITIONAL INTERNAL CORROSION MONITORING POINT IS INSTALLED AT THE TOP AT 12 O'CLOCK POSITION.

| |
|----------------|
| AS-BUILT |
| KOC APPROVAL |
| NAME / KOC No: |
| DESIGNATION : |
| GROUP / TEAM : |
| SIGNATURE : |
| DATE : |

| |
|------------------------------|
| AS-BUILT |
| LARSEN & TOUBRO LIMITED |
| NAME : VAIBHAV VERMA |
| DESIGNATION : AGM |
| SIGNATURE : |
| DATE : 28-Aug-2018 |
| DEPT/ DIVISION : ENGINEERING |

| | | | | | | |
|------|-------------------------------------|---------|---------|--------|-----|----------|
| Z0 | ISSUED FOR AS-BUILT | BAK/SSI | AKG | SRA | RAK | 28.08.18 |
| 01 | ISSUED FOR CONSTRUCTION | BAK/SSI | AKG | SRA | RAK | 30.11.16 |
| 0 | ISSUED FOR CONSTRUCTION | HSR/VSA | AKG | SRA | RAK | 25.03.16 |
| D | ISSUED INCORPORATED CLIENT COMMENTS | JSI/VSA | AKG | SRA | RAK | 22.12.15 |
| C | ISSUED INCORPORATED CLIENT COMMENTS | BAK/VSA | AKG | SRA | RAK | 15.10.15 |
| OC | ISSUED INCORPORATED CLIENT COMMENTS | JSI/VSA | AKG | SRA | RAK | 30.05.15 |
| B | ISSUED INCORPORATED CLIENT COMMENTS | JSI/VSA | AKG | SRA | RAK | 17.02.15 |
| A | ISSUED FOR APPROVAL | JSI/VSA | AKG | SRA | RAK | 05.12.14 |
| REV. | DESCRIPTION | DRAWN | CHECKED | HOD | PEM | DATE |
| | | | | APPRD. | | |

CONTRACTOR REVISION



CONTRACTOR DETAILS:-
LARSEN & TOUBRO LIMITED
FARIDABAD

PROJECT TITLE:-
NEW GATHERING CENTRE GC-30
IN NORTH KUWAIT

DOCUMENT TITLE:-
PIPING & INSTRUMENTATION DIAGRAM
TANK VAPOUR COMPRESSOR DISCHARGE SCRUBBER (V-203) TRAIN B

| | | | |
|-------------|-----------------------------|------|--------------|
| PROJECT NO. | DRAWING NO. | | |
| EF1902 | CONTRACTOR DRG. NO. | REV. | KOC DRG. NO. |
| | 50489-530-020-PID-1143.002 | Z0 | |
| | SHEET NO. 2 OF 3 | | SHEET NO. |
| | COMPANY DRG. NO. | REV. | |
| | EF1902-530-DCO-PID-0143.001 | A4 | |
| | SHEET NO. | | |