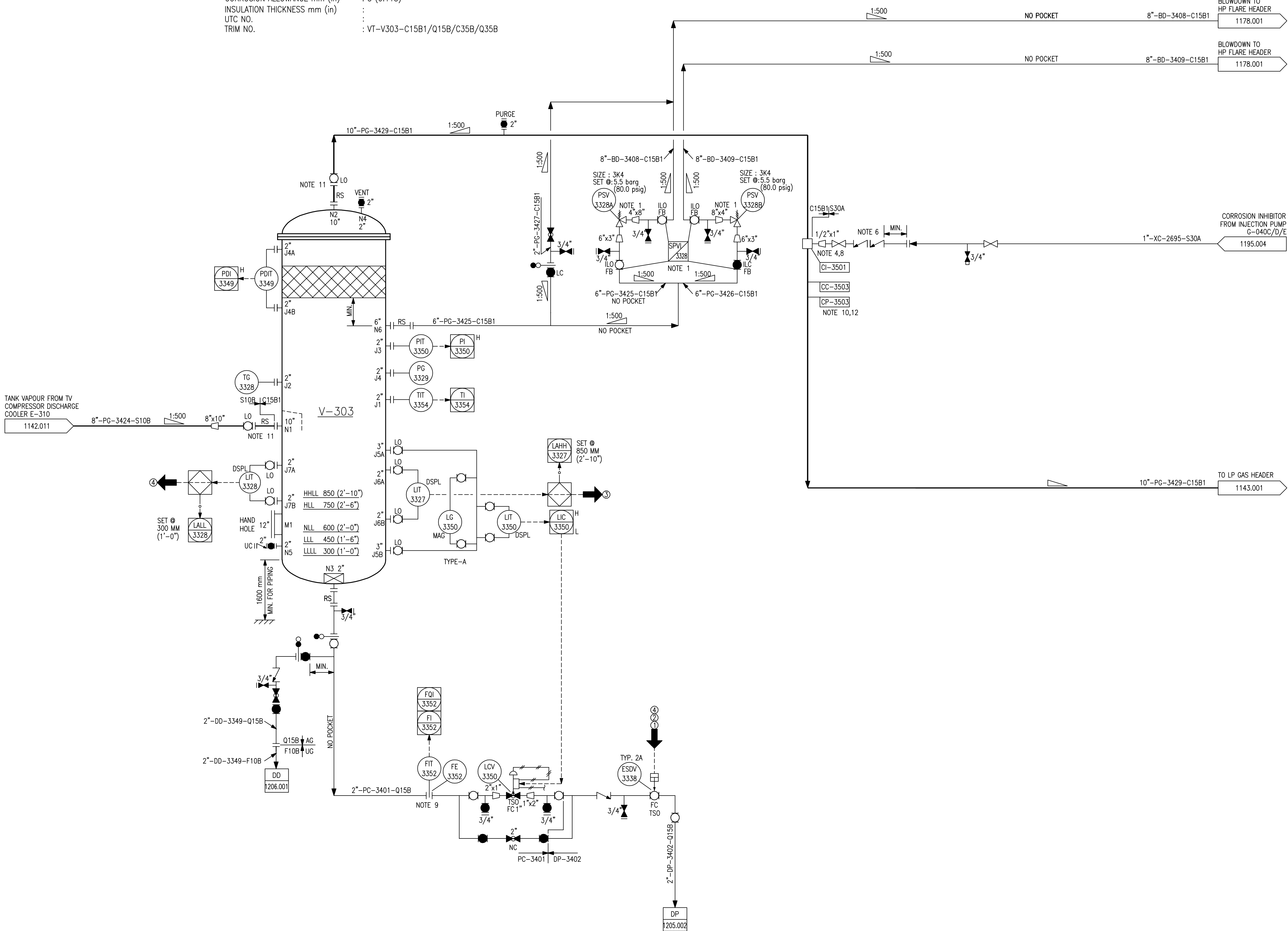


V-303  
TANK VAPOUR COMPRESSOR DISCHARGE SCRUBBER (TRAIN C)  
DUTY: VAPOUR - Nm3 (MMSCFD) : 7245.3 (6.5)  
LIQUID - m3/hr (BPD) : 0.739 (111.5)  
OD mm (ft.-in) : 914 (3'-0")  
HEIGHT (TL-TL) mm (ft.-in) : 3012 (9'-10")  
OP PRESS /DES PRESS barg (PSIG) : 2.6 (37.7)/5.5 (80)  
OP TEMP/DESIGN TEMP °C (°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-V303-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, SBDV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .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 CL, 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. 50489-530-020-1108.001.  
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 IS 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 IS 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 IS 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 : VAI BHAY VERMA
DESIGNATION : AGM
SIGNATURE :
DATE : 06-Aug-2018
DEPT/ DIVISION : ENGINEERING

ZO	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	RAK	06.08.18
01	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	RAK	30.11.16
0	ISSUED FOR CONSTRUCTION	HSB/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 APPRD.	PEM	DATE

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-303) TRAIN C

PROJECT NO.	DRAWING NO.		
EF1902	CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.
	50489-530-020-PID-1143.003	Z0	
	SHEET NO. 3 OF 3	REV.	SHEET NO.
	COMPANY DRG. NO.		
	EF1902-530-DCO-PID-0143.001	A4	
	SHEET NO.		