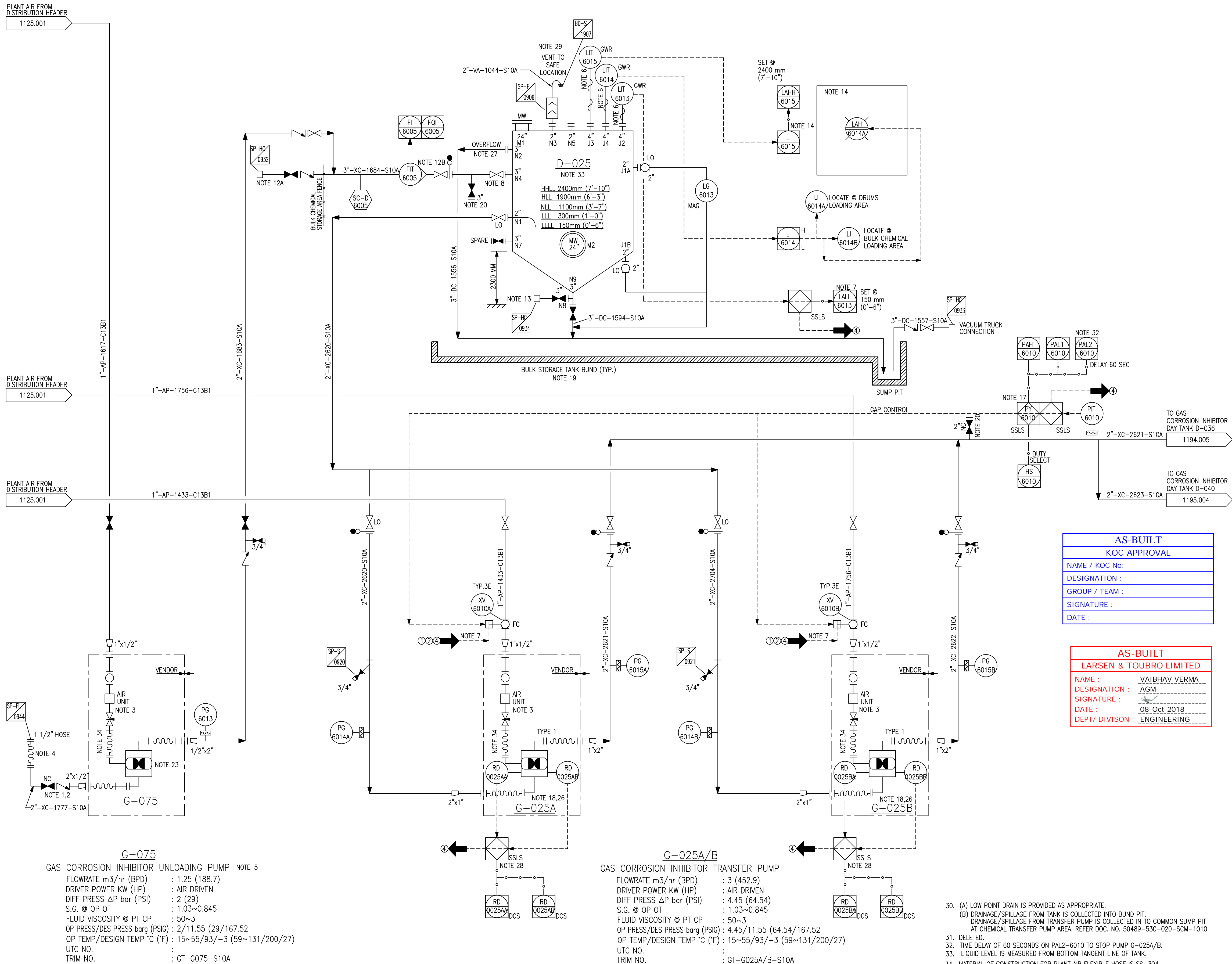


D-025  
GAS CORROSION INHIBITOR BULK STORAGE TANK  
CAPACITY m3 (BBLs) : 6.5 (40.9)  
ID mm (ft.-in) : 1700 (5'-7")  
HEIGHT (F/T)mm (ft.-in) : 2700 (8'-10")  
OP PRESS/DES PRESS barg (PSIG) : ATM/ATM+STATIC HEAD  
OP TEMP/DESIGN TEMP °C (°F) : 15~55/93/-3 (59~131/200/27)  
UTC NO. :  
TRIM NO. : DT-D025-S10A/S30A



GENERAL NOTES:

- FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.
- ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PREFIXED BY 530-.
- ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PREFIXED BY 030-.
- FOR TYPICAL INSTRUMENT CONNECTION SBDV, XV, MOV AND ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .002, .003, .004, .005, 006 & 007.
- FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE AND GENERAL ARRANGEMENT OF LEVEL INSTRUMENTS, PUMPS & CONTROL VALVES SEE DRAWING 50489-530-020-PID-1108.001 TO 1108.010.
- 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.
- FOR MATERIAL SELECTION DIAGRAM SEE DRAWINGS 50489-530-020-MSD-1001.001 TO 1023.
- DETAIL NUMBERING FOR CI, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.
- PAINTING & COATING ARE IN ACCORDANCE WITH KOC-P-001.
- LOW POINT DRAIN & HIGH POINT VENT ARE INDICATED IN P&ID.
- FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.
- FOR ALARM VALUES REFER DOC. NO. 50489-530-020-SUM-1008.

- NOTES:
- FLEXIBLE HOSE WITH LONG PIPE END IS INSERTED INTO CHEMICAL DRUM FOR UNLOADING.
  - UTILITY STATION IS PROVIDED IN DRUM UNLOADING AREA.
  - COMBINATION FILTER, REGULATOR, PRESSURE GAUGE AND LUBRICATOR.
  - FLEXIBLE HOSE WITH DRY BREAK COUPLING IS CONNECTED TO HARD PIPE WITH 2"x1 1/2" REDUCING FLANGE FOR CONNECTION TO DRUM / SEMI-BULK CONTAINER (APPLICABLE FOR ALL BULK STORAGE TANK).
  - TWO SPARE PUMPS G-080 AND G-081 WITH ALL THE ANCILIARIES ARE LOCATED IN THE MAINTENANCE BUILDING.
  - GWR TYPE LEVEL TRANSMITTER.
  - LOW LOW LIQUID LEVEL STOPS GAS CORROSION INHIBITOR TRANSFER PUMPS, G-025A/B.
  - LOCATE VALVE WITHIN SIGHT OF LEVEL GAUGE.
  - DELETED.
  - A. CHEMICAL TANKER LOADING CONNECTION.  
B. TRANSMITTER IS PROVIDED WITH LOCAL COUNTER WHICH IS RESETTABLE INSTANTANEOUS AND NON-RESETTABLE TOTAL INDICATIONS.
  - CHEMICAL PUMP OUT CONNECTION TO BE EASILY ACCESSIBLE.
  - PROVIDE ANNUNCIATOR SCHEME TO SUIT REQUIREMENTS AS INDICATED.  
TANK HIGH LEVEL ALARM IS DEDICATED TO A SPECIFIC LEVEL.  
(A) ONE TEST (IN DCS) FOR ALL CHEMICAL BULK DELIVERY & DRUMS UNLOADING / TRANSFER AREA FLASHER & HORNS.  
ONE RESET (IN DCS) FOR ALL CHEMICAL BULK DELIVERY & DRUMS UNLOADING / TRANSFER AREA FLASHERS.  
ONE ACCEPT (IN DCS) FOR ALL CHEMICAL BULK DELIVERY & DRUMS UNLOADING / TRANSFER AREA HORNS.  
(B) TANK (D-021) AREA HAS INDIVIDUAL FLASHING RED LIGHT ON TANK LEVEL HIGH: TWO (2) COMMON HORNS XA-6035B/XA-6029A ON ANY TANK LEVEL HIGH-HIGH.  
(C) UNLOADING AREA-ONE COMMON FLASHER ON ANY TANK HIGH LEVEL (LAH-6034A) ONE COMMON HORN XA-6035A ON ANY TANK LEVEL HIGH HIGH.
  - EYEWASH & SAFETY SHOWERS ARE INSTALLED AT LOADING CONNECTION OUTSIDE FENCE, CHEMICAL TRANSFER PUMP SHELTER AND BULK CHEMICAL STORAGE TANK/INJECTION PUMP SHELTER AREAS.
  - DELETED.
  - (A) HHLL IN BOTH D-036 OR D-040 STOPS DUTY AND STANDBY TRANSFER PUMPS G-025A/B BY SSSL LOGIC CLOSING XV-6010A/B.  
(B) PAH-6010 STOPS DUTY AND STANDBY PUMPS BY DCS CLOSING XV-6010A OR B.  
(C) PAL1-6010 STARTS DUTY TRANSFER PUMP BY DCS OPENING XV-6010A OR B.  
(D) PAL2-6010 STARTS STANDBY PUMP BY DCS OPENING XV-6010A OR B.  
(E) ZSC OF LCV-6074 & ZSC OF LCV-6086 STOPS DUTY & STANDBY TRANSFER PUMP G-025A/B BY SSSL LOGIC.
  - PUMPS ARE LOCATED IN CURBED AREA TO CONTAIN SPILLAGES.
  - TANK CONCRETE BUND IS 115% CONTAINMENT OF D-025.
  - NEAREST POSSIBLE BYPASS CONNECTION FOR BULK STORAGE TANK TO GAS CORROSION INHIBITOR TRANSFER PUMP DISCHARGE HEADER.
  - DELETED.
  - ANTI-RESISTANT CHEMICAL FLOOR BASED IS REQUIRED.
  - PUMPS ARE PROVIDED WITH RUPTURE ALARM.
  - OVERFLOW NOZZLE IS LOCATED ABOVE HHLL.
  - PUMP & TANK AREA ARE PAVED. FLOOR IS SLOPED TOWARDS BUND PIT.
  - VENT TO SAFE LOCATION ARE AS PER KOC-G-002.

Z1	ISSUED FOR AS-BUILT	BAK/CHS	AKG	SRA	RAK	08.10.18
Z0	ISSUED FOR AS-BUILT	BAK/CHS	AKG	SRA	RAK	01.09.18
01	ISSUED FOR CONSTRUCTION	BAK/CHS	AKG	SRA	RAK	23.11.16
0	ISSUED FOR CONSTRUCTION	HSB/VSA	AKG	SRA	RAK	01.04.16
C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	21.10.15
OC	ISSUED INCORPORATED CLIENT COMMENTS	JSI/SSI	AKG	SRA	RAK	03.06.15
B	ISSUED INCORPORATED CLIENT COMMENTS	JSI/VSA	AKG	SRA	RAK	21.02.15
A	ISSUED FOR APPROVAL	BAK/ABY	AKG	SRA	RAK	12.12.14
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  
GAS CORROSION INHIBITOR STORAGE TANK (D-025) AND DISTRIBUTION

PROJECT NO.	DRAWING NO.	REV.	KOC DRG. NO.	REV.
EF1902	50489-530-020-PID-1189	Z1		
	SHEET NO. 1 OF 1			
	COMPANY DRG. NO.	REV.		
	EF1902-530-DCO-PID-0189.001	A4		
	SHEET NO.			

- (A) LOW POINT DRAIN IS PROVIDED AS APPROPRIATE.
- DRAINAGE/SPILLAGE FROM TANK IS COLLECTED INTO BUND PIT. DRAINAGE/SPILLAGE FROM TRANSFER PUMP IS COLLECTED IN TO COMMON SUMP PIT AT CHEMICAL TRANSFER PUMP AREA. REFER DOC. NO. 50489-530-020-SCM-1010.
- DELETED.
- TIME DELAY OF 60 SECONDS ON PAL2-6010 TO STOP PUMP G-025A/B.
- LIQUID LEVEL IS MEASURED FROM BOTTOM TANGENT LINE OF TANK.
- MATERIAL OF CONSTRUCTION FOR PLANT AIR FLEXIBLE HOSE IS SS-304.