

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-1106.002, .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. TV FLARE IS B 100% SMOKELESS AIR-ASSISTED TYPE WITH 2 BLOWERS (2x100%).
2. LOGIC CONTROL AND SEQUENCE FOR BLOWER AUTOMATIC OPERATION BY PLC BLOWER CONTROL LOGIC.
3. AIR BLOWER INTAKE FILTER IS ELEVATED 3M TO AVOID DRIFTING SAND ENTERING THE SYSTEM.
4. DCS ALARM FOR AIR BLOWER "NOT RUNNING" IS PROVIDED.
5. TV FLARE TRAIN-B IS 100% SPARE FOR TV FLARE TRAIN-A.
6. INLET SILENCER IS INTEGRATED PART OF AIR BLOWER INTAKE FILTER.
7. VENDOR PID NO: 50489-530-0052-020-00052-PID-V002 SHEET 8 OF 8.
8. BLOWER (B-002A) IS DUAL SPEED & BLOWER (B-002B) IS FIXED SPEED.
9. PAL-2572/2574 ALARM ARE IN SERIES WITH RESPECTIVE BLOWER RUNNING STATUS.
10. LCS PROVIDED BY CONTRACTOR.

KEY
★ LOOSE SUPPLIED BY VENDOR AND INSTALLED BY CONTRACTOR.

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

AS-BUILT
LARSEN & TOUBRO LIMITED
NAME : VAIBHAV VERMA
DESIGNATION : AGM
SIGNATURE :
DATE : 24-Sep-2018
DEPT/ DIVISION : ENGINEERING

Z0	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	DER	24.09.18
01	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	DER	21.12.16
0	ISSUED FOR CONSTRUCTION	PAK/ABY	AKG	SRA	RAK	08.06.16
B	ISSUED INCORPORATED CLIENT COMMENTS	PAK/VSA	AKG	SRA	RAK	09.05.16
A	ISSUED FOR APPROVAL	PAK/VSA	AKG	SRA	RAK	22.03.16
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
				APPRD.		

CONTRACTOR REVISION

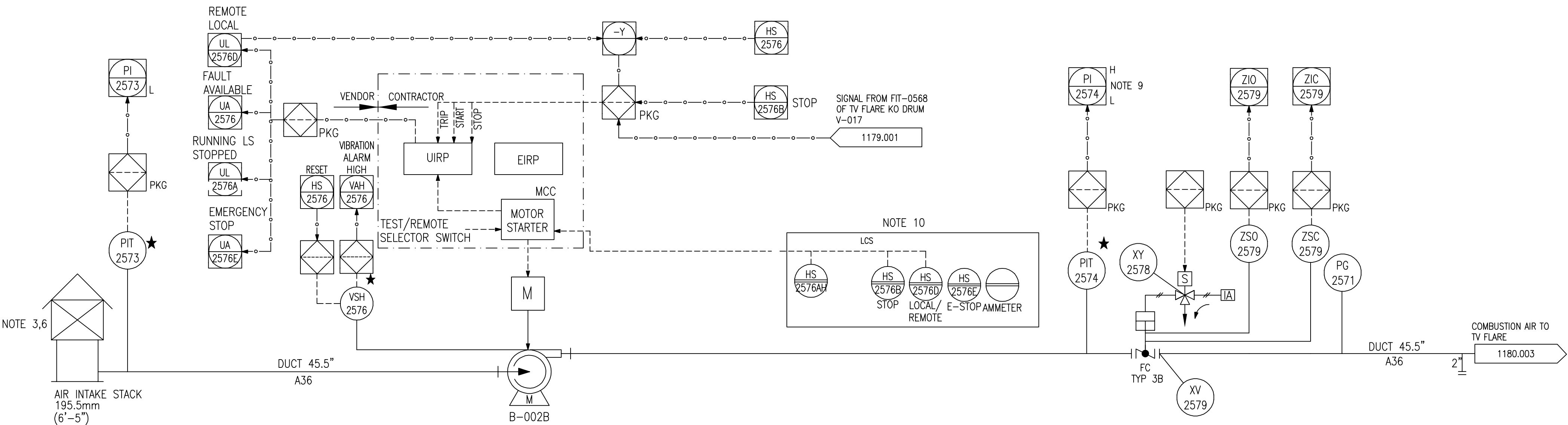
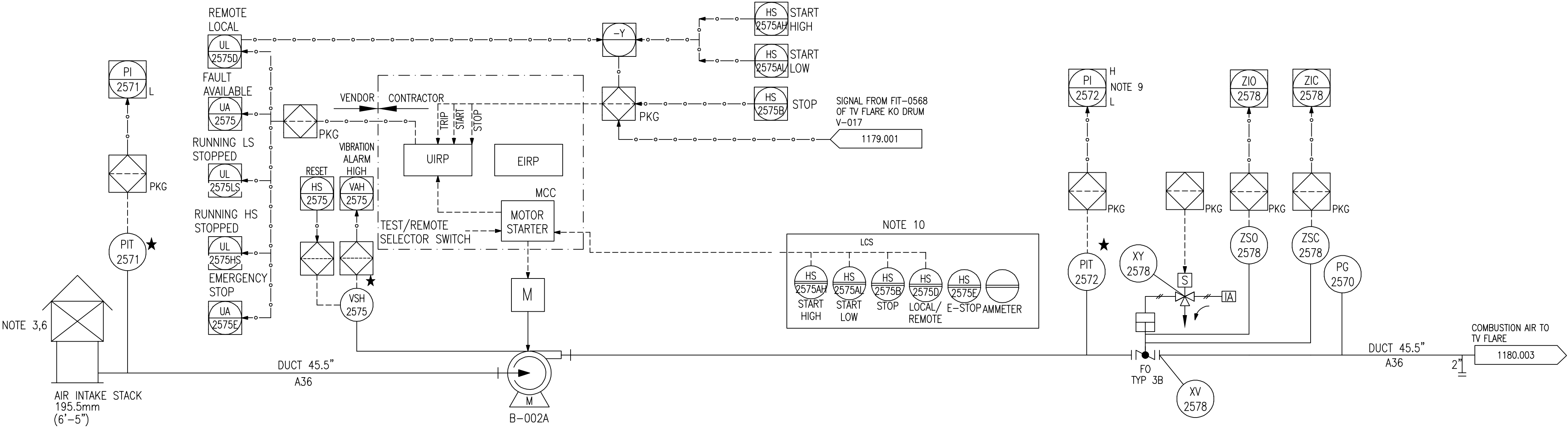


CONTRACTOR DETAILS:-
LARSEN & TOUBRO LIMITED
FARIDABAD

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

DOCUMENT TITLE:-
PIPING & INSTRUMENTATION DIAGRAM
TANK VAPOUR FLARE (Z-030B) TRAIN B
(TV FLARE AIR BLOWER B-002A/B)

PROJECT NO.	DRAWING NO.		
EF1902	CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.
	50489-530-020-PID-1177.007	Z0	
	SHEET NO. 4 OF 7	SHEET NO.	
	COMPANY DRG. NO.	REV.	
	EF1902-530-DCO-PID-0177.004	A4	
	SHEET NO.		



B-002A/B
TV FLARE AIR BLOWER

FLOWRATE m³/h (MMSCFD) : 44.249 (37.5)
DRIVER POWER kw (hp) : 37/9.2 (50/12.3)
MOLECULAR WEIGHT kg/kgmole : 28.8
UTC NO. :
TRIM NO. : -