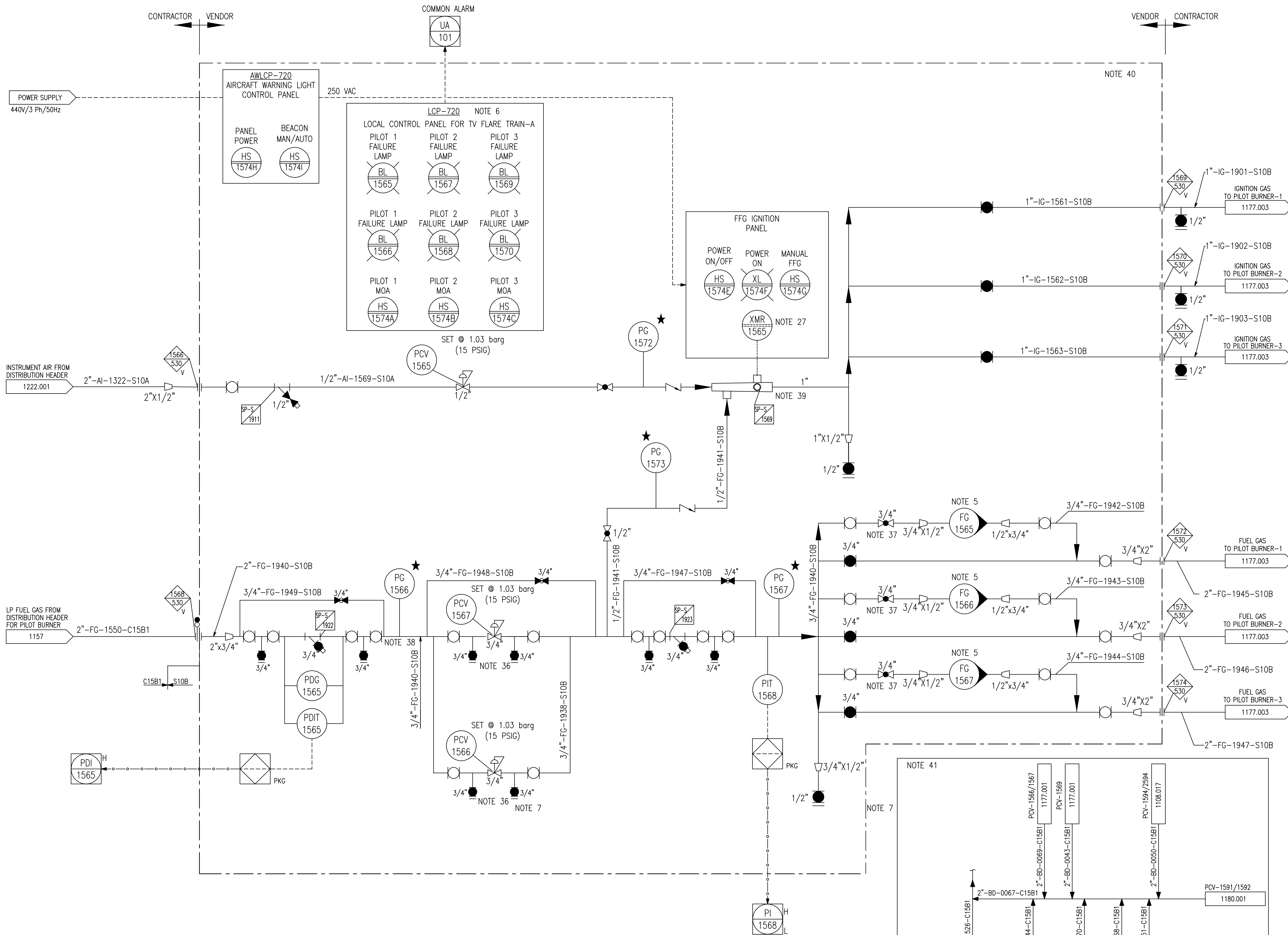


Y-030A
TV FLARE IGNITION RACK



GENERAL NOTES:

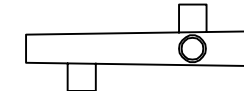
- A. FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.
B. ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530-..
C. ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030-..
D. FOR TYPICAL INSTRUMENT CONNECTION SBDV, XV, MOV & ESDV DETAILS SEE DRAWINGS 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:

- 1,2,3,4. DELETED.
5. INSTALL VARIABLE AREA FLOW METERS IN THE VERTICAL PLANE FOR PILOT FUEL GAS LINE.
6. IGNITION RACK LOCATED OUTSIDE OF FLARE RADIATION ZONE.
7. DELETED.
8. TV FLARE IS A 100% SMOKELESS AIR-ASSISTED TYPE WITH 2 BLOWERS (2x100%).
9,10,11,12,13,14,15,16,17,18,19,20,21,22,23. DELETED.
24. FFG FLAME PIPE WITH LONG RADIUS BEND ONLY TO EACH PILOT.
25,26. DELETED.
27. HIGH ENERGY SPARK IGNITION SYSTEM IS PROVIDED AS PRIMARY IGNITION SYSTEM FFG IGNITION IS SECONDARY IGNITION SYSTEM.
28,29,30,31,32,33. DELETED.
34. TV FLARE PACKAGE TRAIN-B IS 100% SPARE FOR TRAIN-A.
35. DELETED.
36. BLEED OF THE CONTROL VALVE IS ROUTED TO TV FLARE HEADER.
37. GLOBE VALVE IS PROVIDED CLOSE TO THE FLOW METER.
38. FUEL GAS SUPPLY FOR PILOT BURNER OPERATION IS CONTINUOUS.
39. AIR & FUEL GAS SUPPLY FOR FFG IGNITION OPERATION IS INTERMITTENT USE ONLY.
40. VENDOR PID NO: 50489-530-020-00052-PID-V002 SHEET 3 OF 8.
41. ROUTING FOR CONTROL VALVES DRAIN LINES IN TV & HP FLARE AREA.
42. LCP & IGNITION RACK WILL BE PROTECTED BY RADIATION SHIELD.

MOA
IG
XMR
FFG
★

MANUAL/OFF/AUTO SWITCH
IGNITION GAS.
FFG IGNITION TRANSFORMER.
FLAME FRONT GENERATOR.
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 :	05-Sep-2018
DEPT/ DIVISION :	ENGINEERING

ZO	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	DER	05.09.18
01	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	DER	17.12.16
0	ISSUED FOR CONSTRUCTION	PAK/VSA	AKG	SRA	RAK	10.05.16
D	ISSUED INCORPORATED CLIENT COMMENTS	PAK/VSA	AKG	SRA	RAK	22.03.16
C	ISSUED INCORPORATED CLIENT COMMENTS	PAK/VSA	AKG	SRA	RAK	17.10.15
OC	ISSUED INCORPORATED CLIENT COMMENTS	JSI/VSA	AKG	SRA	RAK	30.05.15
B	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	18.02.15
A	ISSUED FOR APPROVAL	JSI/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
TANK VAPOUR FLARE (Z-030A) TRAIN A
(TV FLARE IGNITION)

PROJECT NO.	DRAWING NO.
CONTRACTOR DRG. NO.	REV. KOC DRG. NO.
50489-530-020-PID-1177.001	Z0
SHEET NO. 1 OF 7	SHEET NO.
COMPANY DRG. NO.	REV.
EF1902-530-DCO-PID-0177.001	A4
SHEET NO.	