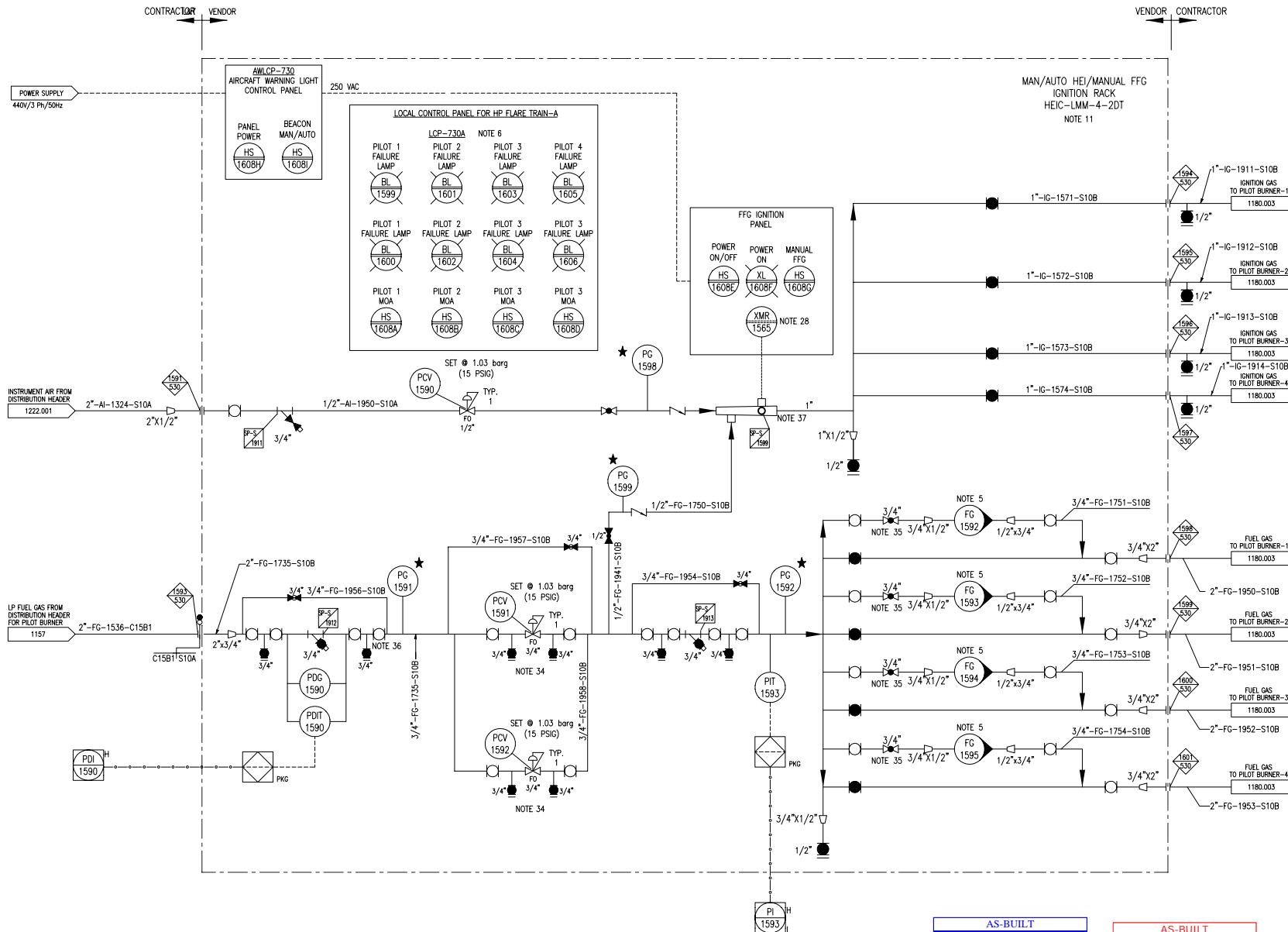


Y-029A
HP FLARE IGNITION RACK



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 PRECEDED BY 530--.
- ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030--.
- FOR TYPICAL INSTRUMENT CONNECTION SDV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.002, 003, 004, 005, 006 & 007.
- FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE & GENERAL ARRANGEMENT OF LEVEL INSTRUMENTS, PUMPS, TRANSMITTERS & CONTROL VALVES SEE DRAWINGS 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 CL, SC, CC & CP SEE DRAWING 50489-530-020-PID-1108.003.
- PAINTING & COATING ARE IN ACCORDANCE WITH KOC-P-001.
- FOR CAUSE & EFFECT REFER DOC. NO. 50489-530-020-PHL-1009.
- FOR ALARM VALUES REFER DOC. NO. 50489-530-020-SUM-1006.

NOTES:

- 1,2,3,4. DELETED.
- INSTALL VARIABLE AREA FLOW METERS IN THE VERTICAL PLANE FOR PILOT FUEL GAS LINE.
- IGNITION RACK LOCATED OUTSIDE OF FLARE RADIATION ZONE.
- DELETED.
- DELETED.
- HP FLARE IS A 100% SMOKELESS AIR-ASSISTED TYPE WITH 3 BLOWERS (3X333%).
- 9,10,11,12,13. DELETED.
- DELETED.
- DELETED.
- DELETED.
- 17,18,19,20,21,22,23. DELETED.
24. FFG FLAME PIPE WITH LONG RADIUS BEND ONLY TO EACH PILOT.
- 25,26,27. DELETED.
28. HIGH ENERGY SPARK IGNITION SYSTEM IS PROVIDED AS PRIMARY IGNITION SYSTEM FFG IGNITION IS SECONDARY IGNITION SYSTEM.
- 29,30,31. DELETED.
32. HP FLARE PACKAGE TRAIN-B IS 100% SPARE FOR TRAIN-A.
33. DELETED.
- BLEED OF THE CONTROL VALVE IS ROUTED TO TV FLARE HEADER.
- CLOSE VALVE IS PROVIDED CLOSE TO THE FLOW METER.
- FUEL GAS SUPPLY FOR PILOT BURNER OPERATION IS CONTINUOUS.
- AIR & FUEL GAS SUPPLY FOR FFG IGNITION OPERATION IS INTERMITTENT USE ONLY.
- VENDOR PID NO: 50489-530-020-00052-PID-V001 SHEET 3 OF 8.
- LCP & IGNITION RACK WILL BE PROTECTED BY A RADIATION SHIELD.

LEGEND:

- | | |
|-----|---|
| HEI | HIGH ENERGY IGNITION |
| MOA | MANUAL / OFF / AUTO SWITCH |
| IG | IGNITION GAS |
| FM | FFG IGNITION TRANSFORMER. |
| FFG | FLAME FRONT GENERATOR. |
| ★ | LOOSE SUPPLIED BY VENDOR AND INSTALLED BY CONTRACTOR. |
| | FFG CHAMBER |

REV.	DESCRIPTION	DRAWN	CHECKED	APP'D.	DATE
Z1	RE-ISSUED FOR AS-BUILT	HSJ/CHS	AKG	SRA	27.09.18
Z0	ISSUED FOR AS-BUILT	HSJ/CHS	AKG	SRA	01.09.18
D	ISSUED FOR CONSTRUCTION	HSJ/CHS	AKG	SRA	03.06.16
C	ISSUED INCORPORATED CLIENT COMMENTS	PAK/ABY	AKG	SRA	16.04.16
C	ISSUED INCORPORATED CLIENT COMMENTS	PAK/VSA	AKG	SRA	17.10.15
OC	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	30.05.15
B	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	18.02.15
A	ISSUED FOR APPROVAL	JSI/ABY	AKG	SRA	12.12.14

CONTRACTOR REVISION

KUWAIT OIL CO. **شركة النفط الكويت**
K. S. C. **ش.م.ك.**

CONTRACTOR DETAILS:-
LARSEN & TOUBRO LIMITED
FARIDABAD

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

DOCUMENT TITLE:- PIPING & INSTRUMENTATION DIAGRAM
HIGH PRESSURE FLARE (Z-029A) TRAIN A
(HP FLARE IGNITION)

PROJECT NO.	DRAWING NO.	REV.
EF1902	50489-530-020-PID-1180.001	Z1
	SHEET NO. 1 OF 7	
	COMPANY DRG. NO.	REV.
	EF1902-530-DCO-PID-0180.001	A4
	SHEET NO.	

AS-BUILT
KOC APPROVAL

NAME / KOC No.:
DESIGNATION:
GROUP / TEAM:
SIGNATURE:
DATE:

AS-BUILT
LARSEN & TOUBRO LIMITED

NAME: VAIBHAV VERMA
DESIGNATION: AGM
SIGNATURE: 27-SEP-2018
DATE: 27-SEP-2018
DEPT/ DIVISION: ENGINEERING