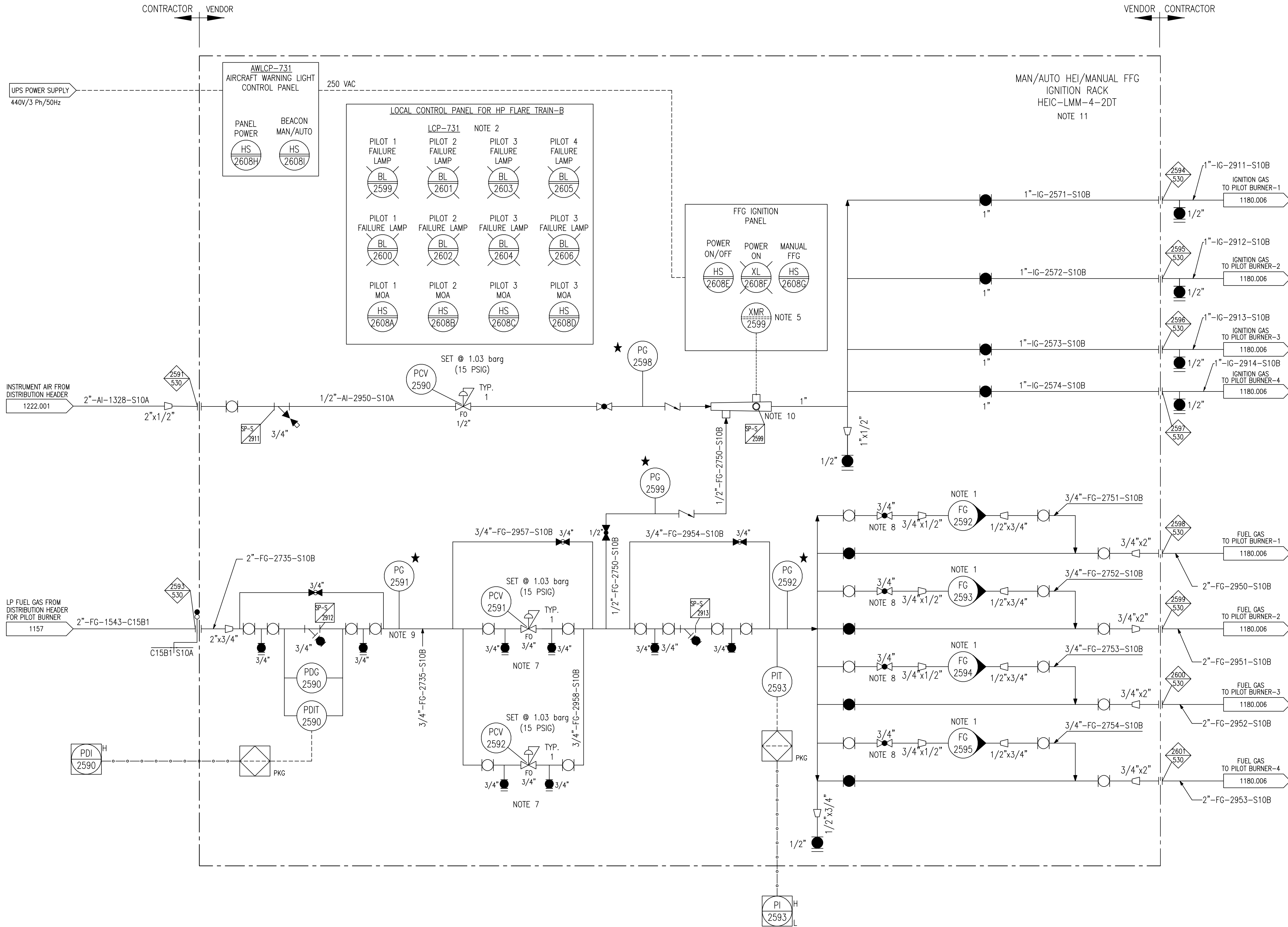


Y-029B  
HP FLARE IGNITION RACK



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 SBDV, 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, STRAINERS & 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 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-1006.

NOTES:

- INSTALL VARIABLE AREA FLOW METERS IN THE VERTICAL PLANE FOR PILOT FUEL GAS LINE.
- IGNITION RACK LOCATED OUTSIDE OF FLARE RADIATION ZONE.
- HP FLARE IS B 100% SMOKELESS AIR-ASSISTED TYPE WITH 3 BLOWERS (3X333%).
- FFG FLAME PIPE WITH LONG RADIUS BEND ONLY TO EACH PILOT.
- HIGH ENERGY SPARK IGNITION SYSTEM IS PROVIDED AS PRIMARY IGNITION SYSTEM FFG IGNITION IS SECONDARY IGNITION SYSTEM.
- HP FLARE PACKAGE TRAIN-A IS 100% SPARE FOR TRAIN-B.
- BLEED OF THE CONTROL VALVE IS ROUTED TO TV FLARE HEADER.
- GLOBE 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 6 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
XMR	FFG IGNITION TRANSFORMER.
FFG	FLAME FRONT GENERATOR.
★	LOOSE SUPPLIED BY VENDOR AND INSTALLED BY CONTRACTOR.
	FFG CHAMBER

AS-BUILT

KOC APPROVAL

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

AS-BUILT

LARSEN & TOUBRO LIMITED

NAME : VAIBHAV VERMA  
DESIGNATION : AGM  
SIGNATURE :  
DATE : 01-SEP-2018  
DEPT/ DIVISION : ENGINEERING

Z0	ISSUED FOR AS-BUILT	BAK/CHS	AKG	SRA	RAK	01.09.18
01	ISSUED FOR CONSTRUCTION	BAK/CHS	AKG	SRA	RAK	23.09.16
0	ISSUED FOR CONSTRUCTION	HSH/CHS	AKG	SRA	RAK	19.07.16
B	ISSUED INCORPORATED CLIENT COMMENTS	HSH/CHS	AKG	SRA	RAK	03.06.16
A	ISSUED FOR APPROVAL	PAK/ABY	AKG	SRA	RAK	16.04.16
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE

CONTRACTOR REVISION

**KUWAIT OIL CO. K. S. C.** **شركة نفط الكويت ش.م.ك.**  
A Subsidiary of Kuwait Petroleum Corporation

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-029B) TRAIN B  
(HP FLARE IGNITION)

PROJECT NO.	DRAWING NO.
CONTRACTOR DRG. NO.	REV. KOC DRG. NO.
50489-530-020-PID-1180.005	Z0
SHEET NO. 5 OF 7	SHEET NO.
COMPANY DRG. NO.	REV.
EF1902-530-DCO-PID-0180.001	A4
SHEET NO.	