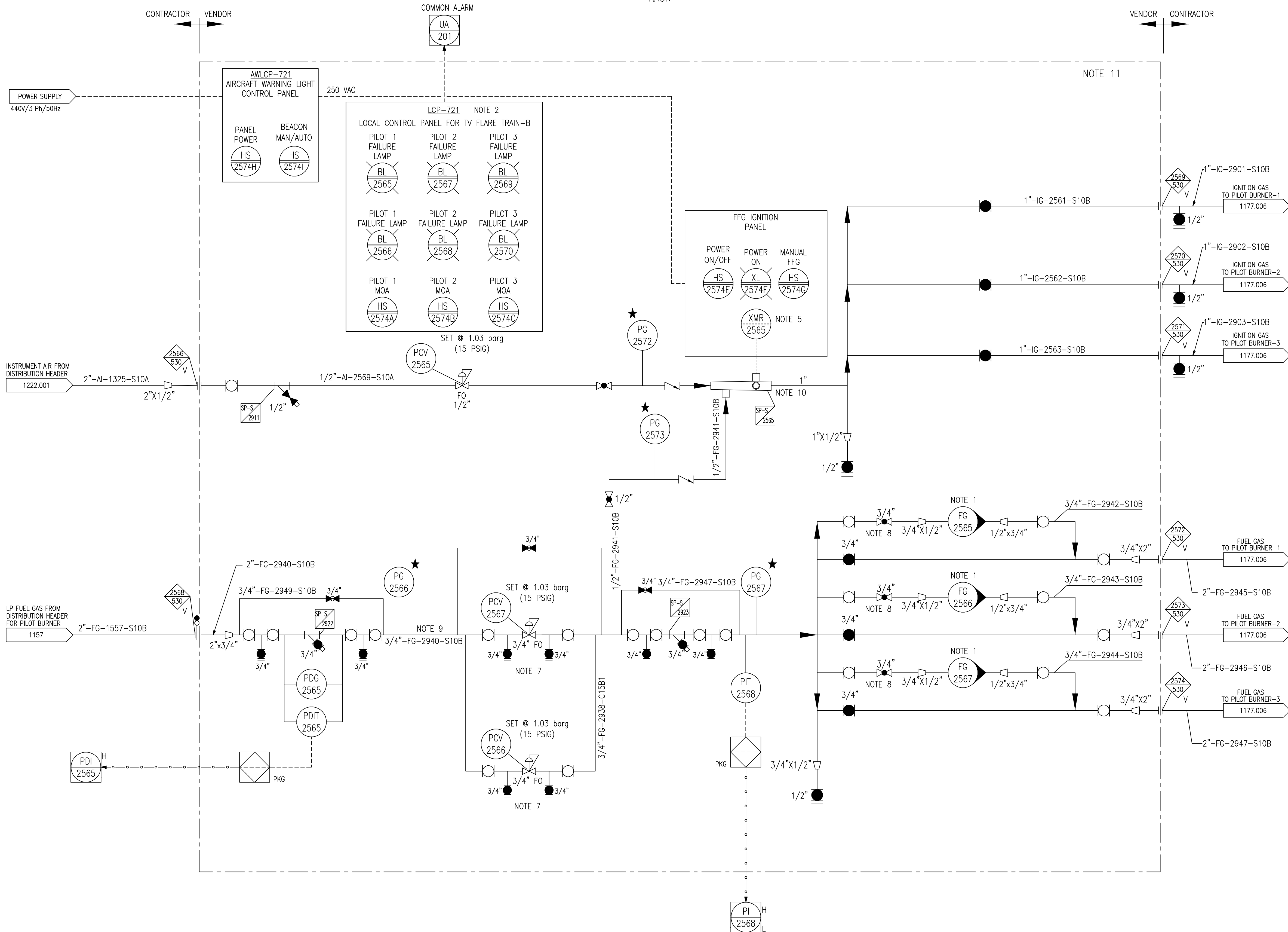


Y-030B  
TV FLARE IGNITION  
RACK



GENERAL NOTES:

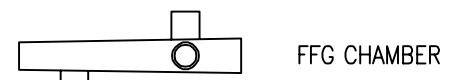
- FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & .002.
- ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530--.
- ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030--.
- FOR TYPICAL INSTRUMENT CONNECTION SBDV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.002, .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.
- TV FLARE IS A 100% SMOKELESS AIR-ASSISTED TYPE WITH 2 BLOWERS (2x100%).
- FFG FLAME PIPE WITH LONG RADIUS BEND ONLY TO EACH PILOT.
- HIGH ENERGY SPARK IGNITION SYSTEM ARE PROVIDED AS PRIMARY IGNITION SYSTEM FFG IGNITION IS SECONDARY IGNITION SYSTEM.
- TV FLARE PACKAGE TRAIN-A IS 100% SPARE FOR TV FLARE PACKAGE TRAIN-B.
- BLEED OF THE CONTROL VALVE ARE ROUTED TO TV FLARE HEADER.
- GLOBE VALVE ARE 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: 50489-530-0052-020-00052-PID-V002 SHEET 6 OF 8.
- LCP & IGNITION RACK WILL BE PROTECTED BY A 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 :	01-SEP-2018
DEPT/ DIVISION :	ENGINEERING

ZO	ISSUED FOR AS-BUILT	BAK/SSI	AKG	SRA	DER	01.09.18
01	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	DER	17.12.16
0	ISSUED FOR CONSTRUCTION	PAK/ABY	AKG	SRA	RAK	08.06.16
B	ISSUED INCORPORATED CLIENT COMMENTS	PAK/ABY	AKG	SRA	RAK	09.05.16
A	ISSUED FOR APPROVAL	PAK/ABY	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 IGNITION)

PROJECT NO.	DRAWING NO.
50489-530-020-PID-1177.005	REV. KOC DRG. NO.
SHEET NO. 1 OF 7	Z0
COMPANY DRG. NO.	REV.
EF1902-530-DCO-PID-0177.001	A4
SHEET NO.	