



- 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-1108.001, .002, .003, .004, .005, .008 & .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 CL, 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. TYPICAL FP01 IS PROJECT SPECIFIC ONLY. REFER TYPICAL FOR DETAILS.
 - 2. DELETED.
 - 3. DELETED.
 - 4. HEATER LOCAL CONTROL PANEL TO INCLUDE ALL RELATED ALARM SEQUENCE AND OPERATING LIGHT REPEATS.
 - 5. VALVES ARE TIGHT SHUT-OFF (TSO) TYPE PER ANSI CLASS VI OR HIGHER REQUIRED.
 - 6. DELETED.
 - 7. START-UP SEQUENCE FOR FIRING ARE AUTOMATIC WITH A SEPARATE START PUSH BUTTON FOR PILOT AND MAIN BURNER. PRE-PURGING AND POST-PURGING ARE PROVIDED.
 - 8. VENT ARE AS PER KOC STANDARD KOC-G-002.
 - 9. PIT USED IN START UP SEQUENCE IN BMS LOGIC DIAGRAM.
 - 10. SHUTDOWN LEVELS ARE EXECUTED IN BMS (BURNER MANAGEMENT SYSTEM) LOGIC.
 - 11. SOLENOID VALVE WITH MANUAL RESET.
 - 12. PARTIAL STROKE TEST, LEAKAGE MONITORING, AIR ACCUMULATOR NOT APPLICABLE.
 - 13. VALVE PRESSURE RATING 300#.
 - 14. REFERENCE VENDOR DRAWING NO. 50489-530-020-29021-PID-V003

TIE IN POINT LIST

No.	SERVICE	SIZE	RATING
TP-505	INSTR. AIR	2"	150#

AS-BUILT

KOC APPROVAL

NAME / KOC No: _____

DESIGNATION : _____

GROUP / TEAM : _____

SIGNATURE : _____

DATE : _____

AS-BUILT

LARSEN & TOUBRO LIMITED

NAME : VAIBHAV VERMA

DESIGNATION : AGM

SIGNATURE : _____

DATE : 06-Aug-2018

DEPT/ DIVISION : ENGINEERING

ZO	ISSUED FOR AS-BUILT	SHH/PS	AKG	SRA	RAK	06.08.18
O	ISSUED FOR CONSTRUCTION	SHH/PS	AKG	SRA	RAK	02.06.16
D	ISSUED INCORPORATED CLIENT COMMENTS	SHH/PS	AKG	SRA	RAK	30.04.16
C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	11.09.15
B	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	17.02.15
A	ISSUED FOR APPROVAL	BAK/VSA	AKG	SRA	RAK	29.11.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
				APPRD.		

CONTRACTOR REVISION

KUWAIT OIL CO. K. S. C.

شركة نفط الكويت ش.م.ك.

Oil Company

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

DESALTER FEED HEATER PILOT GAS SYSTEM TRAIN A (F-101B)

PROJECT NO.	DRAWING NO.	REV.
50489-530-020-PID-1133.007	ZO	KOC DRG. NO.
SHEET NO. 7 OF 16		SHEET NO.
COMPANY DRG. NO.		
EF1902-530-DCO-PID-0133.003	A2	
SHEET NO.		