



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 530--.
D. FOR TYPICAL INSTRUMENT CONNECTION, SBDV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .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 CL, 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-705	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	BAK/SSI	AKG	SRA	RAK	06.08.18
01	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	RAK	12.12.16
O	ISSUED FOR CONSTRUCTION	HSH/PS	AKG	SRA	RAK	02.06.16
D	ISSUED INCORPORATED CLIENT COMMENTS	HSH/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

CONTRACTOR REVISION

KUWAIT OIL CO.
K. S. C.
شركة نفط الكويت
ش.م.ك.
Kuwait 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 B (F-201B)

PROJECT NO.	DRAWING NO.
CONTRACTOR DRG. NO.	REV. KOC DRG. NO.
50489-530-020-PID-1133.015	Z0
SHEET NO. 15 OF 16	SHEET NO.
COMPANY DRG. NO.	REV.
EF1902-530-DCO-PID-0133.003	A2
SHEET NO.	