



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-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 CI, 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. CABINET DRIP PAN DRAIN
2. GATE VALVE ONLY FOR HYDROSTATIC TEST VENT PURPOSE
3. SAMPLING ACCORDING TO API 8.2 / ISO-3171.
4. VENDOR PID NO: 50489-530-020-00079-PID-V002 SHEET 2 OF 2.
5. FOR CONTINUATION, SEE DRAWING 50489-530-020-PID-1276.001.
6. VALVES UPSTREAM AND DOWNSTREAM OF SP-01 AND SP-02 FOR AUTO-CHANGEOVER FUNCTIONALLY. THEY WILL BE CLOSED IN CASE OF MAINTENANCE OF THE CELL SAMPLER
7. ELECTRICAL CELL SAMPLER AISI 316 TYPE CS5SE-1/25
8. SAMPLE CONTAINERS SR-20M WORKING PRESSURE UP TO 10 psig, CAPACITY 20 LITERS

AS-BUILT
KOC APPROVAL
NAME / KOC No:
DESIGNATION :
GROUP / TEAM :
SIGNATURE :
DATE :

AS-BUILT
LARSEN & TOUBRO LIMITED
NAME : VAIBHAV VERMA
DESIGNATION : AGM
SIGNATURE :
DATE : 09-Aug-2018
DEPT/ DIVISION : ENGINEERING

LEGENDS:

- SR - Sample Receiver
WS - Weight System
SP - Sampler

ZO	ISSUED FOR AS-BUILT	BAK/VSA	AKG	SRA	RAK	09.08.18
O	ISSUED FOR CONSTRUCTION	BAK/VSA	AKG	SRA	RAK	10.10.16
C	ISSUED "INCORPORATED CLIENT COMMENTS"	HSH/ABY	AKG	SRA	RAK	07.09.16
B	ISSUED "INCORPORATED CLIENT COMMENTS"	HSH/ABY	AKG	SRA	RAK	02.07.16
A	ISSUED FOR APPROVAL	HSH/ABY	AKG	SRA	RAK	08.04.16
REV.	DESCRIPTION	DRAWN	CHECKED	HOD APPRD.	PEM	DATE

CONTRACTOR REVISION



KUWAIT OIL CO.
K. S. C.

شركة نفط الكويت
ش.م.ك.

CONTRACTOR DETAILS:-
 **LARSEN & TOUBRO LIMITED**
FARIDABAD

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

DOCUMENT TITLE:-
PIPING & INSTRUMENTATION DIAGRAM
AUTO SAMPLER SYSTEM FOR Z-041A

PROJECT NO.	DRAWING NO.		
EF1902	CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.
	50489-530-020-PID-1276.002	Z0	
	SHEET NO. 2 OF 2	SHEET NO.	
	COMPANY DRG. NO.	REV.	
SHEET NO.		A4	