

## 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, SBOV, XV, MOV & ESDV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001, .002, .003, .004, .005, .006 & .007.
- FOR MISCELLANEOUS PIPING TYPICAL VALVING, DRAINAGE & GENERAL ARRANGEMENT OF LEVEL INSTRUMENTS, PUMPS, STRAINERS - 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 O, 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:

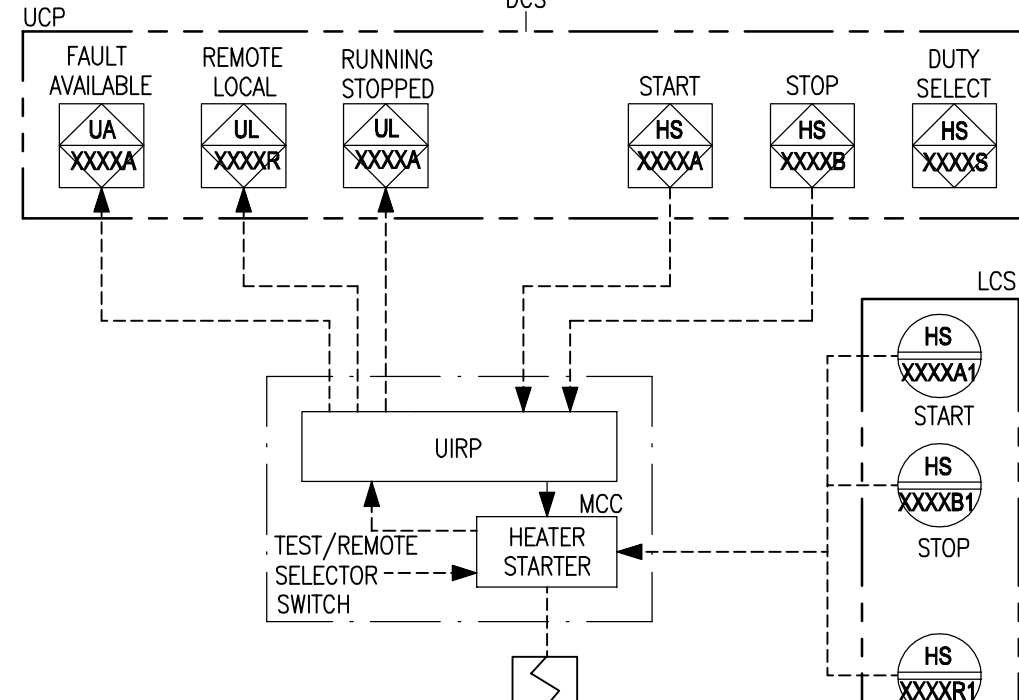
- ALL INSTRUMENTS WITHIN PANEL LIMIT ARE MOUNTED ON DRY GAS PANEL.
- FITTED WITH LOCKING DEVICE.
- SEAL GAS PANEL IS SS316 TUBING CONSTRUCTION.
- VENDOR REFERENCE P&ID: 50489-530-020-07355-PID-V001, SHEET 3 OF 6.
- HYDROCARBON DETECTOR WITH ALARM (NO TRIP) IS PROVIDED IN COMMON VENT OF INSTRUMENT AIR OF TERTIARY SEAL. HIGH ALARM SET AT 40% OF LEL & HIGH HIGH ALARM AT 80% OF LEL.
- VENT TO SAFE LOCATION ARE AS PER KOC-G-002.
- ONLY FOR PURPOSE OF ALARM.

## LEGEND:

SEAL GAS PANEL LIMIT  
PANEL CONTRACTOR

## TIE IN POINT LIST

NO.	SERVICE	SIZE	RATING & FACING
TP-310	FUEL GAS SUPPLY	1"	ASME 300# RF
TP-311	INSTRUMENT AIR SUPPLY	2"	ASME 150# RF
TP-312	PRIMARY LEAK VENT	1"	ASME 150# RF
TP-313	SEAL GAS VENT	3/4"	ASME 150# RF
TP-314	SEAL GAS DRAIN	3/4"	ASME 300# RF
TP-315	SEAL VENT OUT DRAIN	3/4"	ASME 150# RF
TP-316	SECONDARY SEAL DRAIN (DE)	3/4"	ASME 150# RF
TP-317	SECONDARY SEAL DRAIN (NDE)	3/4"	ASME 150# RF
TP-318	SECONDARY LEAK VENT	3"	ASME 150# RF



TYP. 4 : FOR SEAL GAS HEATER

Z1	ISSUED FOR AS-BUILT	BAK/CHS	AKG	SRA	DER	23.10.18
Z0	ISSUED FOR AS-BUILT	BAK/CHS	AKG	SRA	DER	17.09.18
04	ISSUED FOR CONSTRUCTION	BAK/CHS	AKG	SRA	DER	01.05.18
03	ISSUED FOR CONSTRUCTION	BAK/CHS	AKG	SRA	DER	10.04.18
02	ISSUED FOR CONSTRUCTION	BAK/SSI	AKG	SRA	DER	20.12.16
1	RE-ISSUED FOR CONSTRUCTION	PAK/VSA	AKG	RAK	RAK	14.06.16
0	ISSUED FOR CONSTRUCTION	HSB/VSA	AKG	SRA	RAK	25.04.16
D	ISSUED INCORPORATED CLIENT COMMENTS	HSB/VSA	AKG	SRA	RAK	12.03.16
C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	28.10.15
0C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	30.05.15
B	ISSUED INCORPORATED CLIENT COMMENTS	BAK/VSA	AKG	SRA	RAK	13.02.15
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 النفط الكويتي 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**  
**TANK VAPOUR COMPRESSOR (K-301) TRAIN C (SEAL SYSTEM)**

PROJECT NO.	DRAWING NO.
50489-530-020-PID-1142.012	Z1
SHEET NO. 12 OF 15	SHEET NO.
COMPANY DRG. NO.	REV.
EF1902-530-DCO-PID-0142.002	A2
SHEET NO.	