

DRAWING INDEX

TECHNICAL SAFETY P&ID's				
DRAWING NO.	SHEET	DESCRIPTION	REV.	REMARKS
50489-530-020-PID-1275.001	SHT. 1 OF 2	P&ID AUTO SAMPLER SYSTEM FOR Z-040	NOTE 1	
50489-530-020-PID-1275.002	SHT. 2 OF 2	P&ID AUTO SAMPLER SYSTEM FOR Z-040	NOTE 1	
50489-530-020-PID-1276.001	SHT. 1 OF 2	P&ID AUTO SAMPLER SYSTEM FOR Z-041A	NOTE 1	
50489-530-020-PID-1276.002	SHT. 2 OF 2	P&ID AUTO SAMPLER SYSTEM FOR Z-041A	NOTE 1	
50489-530-020-PID-1277.001	SHT. 1 OF 2	P&ID AUTO SAMPLER SYSTEM FOR Z-041B	NOTE 1	
50489-530-020-PID-1277.002	SHT. 2 OF 2	P&ID AUTO SAMPLER SYSTEM FOR Z-041B	NOTE 1	
50489-530-020-PID-1311.001	SHT. 1 OF 7	P&ID TIE IN - FOR TRUNK LINE	NOTE 1	
50489-530-020-PID-1311.002	SHT. 2 OF 7	P&ID TIE IN - FOR PROCESS	NOTE 1	
50489-530-020-PID-1311.003	SHT. 3 OF 7	P&ID TIE IN - FOR DISPOSAL WELL # 1 TO 10	NOTE 1	
50489-530-020-PID-1311.004	SHT. 4 OF 7	P&ID TIE IN - FOR DISPOSAL WELL # EWD11 TO EWD20	NOTE 1	
50489-530-020-PID-1311.005	SHT. 5 OF 7	P&ID TIE IN - FOR DISPOSAL WELL # EWD 21 TO RA 0220	NOTE 1	
50489-530-020-PID-1311.006	SHT. 6 OF 7	P&ID TIE IN - FOR DISPOSAL WELL # RA 0356 TO SA 0345	NOTE 1	
50489-530-020-PID-1311.007	SHT. 7 OF 7	P&ID ADDITIONAL TIE IN - FOR OFFSITE	NOTE 1	

TIE-IN P&ID's				
DRAWING NO.	SHEET	DESCRIPTION	REV.	REMARKS
50489-530-000-PID-1101.001	SHT. 1 OF 2	P&ID FIRE WATER DISTRIBUTION	NOTE 1	
50489-530-000-PID-1101.002	SHT. 2 OF 2	P&ID FIRE WATER DISTRIBUTION	NOTE 1	
50489-530-000-PID-1102	SHT. 1 OF 1	P&ID DELUGE WATER SPRAY SYSTEM FOR DUAL/WET CRUDE STORAGE TANKS (D-001/D-002)	-	VOID
50489-530-000-PID-1102.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR DUAL/WET CRUDE STORAGE TANKS	NOTE 1	
50489-530-000-PID-1102.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR DUAL/WET CRUDE STORAGE TANKS	NOTE 1	
50489-530-000-PID-1103	SHT. 1 OF 1	P&ID DELUGE WATER SPRAY SYSTEM FOR DRY CRUDE STORAGE TANK (D-003)	-	VOID
50489-530-000-PID-1103.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR DRY CRUDE STORAGE TANKS	NOTE 1	
50489-530-000-PID-1103.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR DRY CRUDE STORAGE TANKS	NOTE 1	
50489-530-000-PID-1104	SHT. 1 OF 1	P&ID FIRE WATER DELUGE SYSTEMS	-	VOID
50489-530-000-PID-1105.001	SHT. 1 OF 2	P&ID FOAM SYSTEM FOR DUAL/WET CRUDE STORAGE TANKS (D-001/D-002)	NOTE 1	
50489-530-000-PID-1105.002	SHT. 2 OF 2	P&ID FOAM SYSTEM FOR DRY CRUDE STORAGE TANK (D-003)	NOTE 1	
50489-530-000-PID-1106	SHT. 1 OF 1	P&ID CONTROL BUILDING HOSE REEL SYSTEM	NOTE 1	
50489-530-000-PID-1107	SHT. 1 OF 1	P&ID MAINTENANCE BUILDING HOSE REEL SYSTEM	NOTE 1	
50489-530-000-PID-1108	SHT. 1 OF 1	P&ID B02 MAIN SUBSTATION INERT GAS SUPPRESSION SYSTEM	NOTE 1	
50489-530-000-PID-1109	SHT. 1 OF 1	P&ID TV COMPRESSOR SUBSTATION INERT GAS SUPPRESSION SYSTEM	NOTE 1	
50489-530-000-PID-1111.001	SHT. 1 OF 3	P&ID FIRE WATER PUMP (G-053A)	NOTE 1	
50489-530-000-PID-1111.002	SHT. 2 OF 3	P&ID FIRE WATER PUMP (G-053B)	NOTE 1	
50489-530-000-PID-1111.003	SHT. 3 OF 3	P&ID FIRE WATER PUMP (G-053C)	NOTE 1	
50489-530-000-PID-1112	SHT. 1 OF 1	P&ID FIRE WATER TANKS (D-071A/B)	NOTE 1	
50489-530-000-PID-1113	SHT. 1 OF 1	P&ID FIRE WATER JOCKEY PUMPS (G-054A/B)	NOTE 1	
50489-530-000-PID-1114	SHT. 1 OF 1	P&ID CRUDE PUMP HOUSE SUBSTATION INERT GAS SUPPRESSION SYSTEM	NOTE 1	
50489-530-000-PID-1115	SHT. 1 OF 1	P&ID FOAM SYSTEM FOR TREATED WATER BALANCE TANKS (D-006A/B)	NOTE 1	
50489-530-000-PID-1116	SHT. 1 OF 1	P&ID FOAM SYSTEM FOR SLOP TANKS (D-007/D-008)	NOTE 1	
50489-530-000-PID-1117.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR LP WET CRUDE SEPARATOR	NOTE 1	
50489-530-000-PID-1117.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR LP WET CRUDE SEPARATOR	NOTE 1	
50489-530-000-PID-1118.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR IST STAGE & 2ND STAGE DESALTER	NOTE 1	
50489-530-000-PID-1118.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR IST STAGE & 2ND STAGE DESALTER	NOTE 1	
50489-530-000-PID-1119.001	SHT. 1 OF 1	P&ID DELUGE WATER SPRAY SYSTEM FOR INLET FUEL GAS K.O. DRUM	NOTE 1	
50489-530-000-PID-1119.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR INLET FUEL GAS K.O. DRUM	NOTE 1	
50489-530-000-PID-1120.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR FUEL GAS K.O. DRUM	NOTE 1	
50489-530-000-PID-1120.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR FUEL GAS K.O. DRUM	NOTE 1	
50489-530-000-PID-1121.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR HP FLARE K.O. DRUM	NOTE 1	
50489-530-000-PID-1121.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR HP FLARE K.O. DRUM	NOTE 1	
50489-530-000-PID-1122.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR TV FLARE K.O. DRUM	NOTE 1	
50489-530-000-PID-1122.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR TV FLARE K.O. DRUM	NOTE 1	
50489-530-000-PID-1123.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR DESALTER FEED PUMPS TRAIN A & TRAIN B	NOTE 1	
50489-530-000-PID-1123.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR DESALTER FEED PUMPS TRAIN A & TRAIN B	NOTE 1	
50489-530-000-PID-1124.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR CRUDE OIL BOOSTER PUMPS	NOTE 1	
50489-530-000-PID-1124.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR CRUDE OIL BOOSTER PUMPS	NOTE 1	
50489-530-000-PID-1126.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR CRUDE EXPORT PUMPS	NOTE 1	
50489-530-000-PID-1126.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR CRUDE EXPORT PUMPS	NOTE 1	
50489-530-000-PID-1127.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR TV COMPRESSOR	NOTE 1	
50489-530-000-PID-1127.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR TV COMPRESSOR	NOTE 1	
50489-530-000-PID-1128.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR BULK CHEMICAL STORAGE AREA	NOTE 1	
50489-530-000-PID-1128.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR BULK CHEMICAL STORAGE AREA	NOTE 1	
50489-530-000-PID-1129.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR DESALTER FEED HEATER TRAIN A/B	-	VOID
50489-530-000-PID-1129.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR DESALTER FEED HEATER TRAIN A/B	-	VOID
50489-530-000-PID-1130.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR DIESEL STORAGE TANK & DIESEL TRANSFER PUMP	NOTE 1	
50489-530-000-PID-1130.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR DIESEL STORAGE TANK & DIESEL TRANSFER PUMP	NOTE 1	
50489-530-000-PID-1131.001	SHT. 1 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR COMPRESSOR SUCTION & DISCHARGE SCRUBBER	NOTE 1	
50489-530-000-PID-1131.002	SHT. 2 OF 2	P&ID DELUGE WATER SPRAY SYSTEM FOR COMPRESSOR SUCTION & DISCHARGE SCRUBBER	NOTE 1	
50489-530-000-PID-1133	SHT. 1 OF 1	P&ID FOAM SYSTEM FOR EFFLUENT WATER BALANCE TANK (D-005A/B)	NOTE 1	

GENERAL NOTES:


NOTE:

1. ALL DRAWINGS LATEST REVISION ARE MENTIONED IN ENGINEERING RECORD BOOK INDEX.

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

AS-BUILT
LARSEN & TOUBRO LIMITED
NAME : VAIBHAV VERMA
DESIGNATION : AGM
SIGNATURE :
DATE : 24-JUN-2019
DEPT/ DIVISION : ENGINEERING

Z1	ISSUED FOR AS-BUILT	HSH/ABY	AKG	SRA	RAK	24.01.19
Z0	ISSUED FOR AS-BUILT	HSH/ABY	AKG	SRA	RAK	15.08.18
01	ISSUED FOR CONSTRUCTION	HSH/ABY	AKG	SRA	RAK	17.09.16
0	ISSUED FOR CONSTRUCTION	PAK/VSA	AKG	SRA	RAK	06.05.16
A	ISSUED FOR APPROVAL	JSI/VSA	AKG	SRA	RAK	31.10.15
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEW	DATE
				APPRO.		
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 DRAWING INDEX #4	
PROJECT NO. EF1902	DRAWING NO. 50489-530-020-PID-1100.004
CONTRACTOR DRG. NO. 50489-530-020-PID-1100.004	REV. Z1
SHEET NO. 4 OF 4	SHEET NO.
COMPANY DRG. NO. EF1902-530-DCO-PID-0100.002	REV. A8
SHEET NO.	