

SR. NO.	STRAINER TAG NO.	TYPE OF STRAINER	EQUIPMENT NUMBER	P&ID NO.	DRAIN LINE	U/G DRAIN LINE
1	530-SP-S-0101	DUPLEX STRAINER	DIESEL TRANSFER PUMP (530-G-010 A/B)	50489-530-020-PID-1210	3/4"-DD-0150-C13A	2"-DD-0150-F10B
2	530-SP-S-0102	DUPLEX STRAINER		50489-530-020-PID-1210	3/4"-DD-0151-C13A	2"-DD-0151-F10B
3	530-SP-S-0018	Y- STRAINER	DIESEL STORAGE TANK (530-D-015)	50489-530-020-PID-1210	3/4"-DD-0152-C13A	2"-DD-2055-C13A / 2"-DD-6097-F10B
4	530-SP-S-0006	DUPLEX STRAINER	POTABLE WATER PUMP (530-G-008 A/B, 530-G-009 A/B)	50489-530-020-PID-1235.001	3/4"-DD-0153-C13B	N/A (NOTE 2)
5	530-SP-S-0005	DUPLEX STRAINER		50489-530-020-PID-1235.001	3/4"-DD-0154-C13B	N/A (NOTE 2)
6	530-SP-S-0008	DUPLEX STRAINER		50489-530-020-PID-1235.002	3/4"-DD-0155-C13B	N/A (NOTE 2)
7	530-SP-S-0007	DUPLEX STRAINER		50489-530-020-PID-1235.002	3/4"-DD-0156-C13B	N/A (NOTE 2)
8	530-SP-S-0401	DUPLEX STRAINER	CRUDE OIL BOOSTER PUMP (530-G-003A/B/C)	50489-530-020-PID-1125.001	3/4"-DD-0165-C15B	2"-DD-0165-F10B
9	530-SP-S-0402	DUPLEX STRAINER		50489-530-020-PID-1125.001	3/4"-DD-0166-C15B	2"-DD-0166-F10B
10	530-SP-S-0403	DUPLEX STRAINER		50489-530-020-PID-1125.002	3/4"-DD-0167-C15B	2"-DD-0167-F10B
11	530-SP-S-1304	DUPLEX STRAINER	DESALTER FEED HEATER AREA (530-F-101A/B, 530-F-201A/B)	50489-530-020-PID-1133.002	3/4"-DP-0011-Q15B	2"-DP-1107-Q15B (NOTE 3)
12	530-SP-S-1305	DUPLEX STRAINER		50489-530-020-PID-1133.006	3/4"-DP-0012-Q15B	2"-DP-0011-Q15B (NOTE 3)
13	530-SP-S-2304	DUPLEX STRAINER		50489-530-020-PID-1133.010	3/4"-DP-0013-Q15B	2"-DP-0011-Q15B (NOTE 3)
14	530-SP-S-2305	DUPLEX STRAINER		50489-530-020-PID-1133.014	3/4"-DP-0014-Q15B	2"-DP-0011-Q15B (NOTE 3)
15	530-SP-S-1301	DUPLEX STRAINER	DESALTER FEED PUMP (530-G-101 A/B/C)	50489-530-020-PID-1130.001	3/4"-DD-0172-C35B	2"-DD-0172-F10B
16	530-SP-S-1302	DUPLEX STRAINER		50489-530-020-PID-1130.001	3/4"-DD-0173-C35B	2"-DD-0173-F10B
17	530-SP-S-1303	DUPLEX STRAINER		50489-530-020-PID-1130.001	3/4"-DD-0174-C35B	2"-DD-0174-F10B
18	530-SP-S-2301	DUPLEX STRAINER	DESALTER FEED PUMP (530-G-201 A/B/C)	50489-530-020-PID-1130.002	3/4"-DD-0175-C35B	2"-DD-0175-F10B
19	530-SP-S-2302	DUPLEX STRAINER		50489-530-020-PID-1130.002	3/4"-DD-0176-C35B	2"-DD-0176-F10B
20	530-SP-S-2303	DUPLEX STRAINER		50489-530-020-PID-1130.002	3/4"-DD-0177-C35B	2"-DD-0177-F10B
21	530-SP-S-0405	DUPLEX STRAINER	CRUDE OIL EXPORT PUMP (530-G-004A/B/C)	50489-530-020-PID-1126.001	3/4"-DD-0178-C15B	2"-DD-0178-F10B
22	530-SP-S-0406	DUPLEX STRAINER		50489-530-020-PID-1126.001	3/4"-DD-0179-C15B	2"-DD-0179-F10B
23	530-SP-S-0407	DUPLEX STRAINER		50489-530-020-PID-1126.002	3/4"-DD-0180-C15B	2"-DD-0180-F10B
24	530-SP-S-0001	DUPLEX STRAINER	TV FLARE KO DRUM PUMP (530-G-017A/B)	50489-530-020-PID-1176	3/4"-DD-0183-N10B	2"-DD-0183-F10B
25	530-SP-S-0002	DUPLEX STRAINER		50489-530-020-PID-1176	3/4"-DD-0184-N10B	2"-DD-0184-F10B
26	530-SP-S-0003	DUPLEX STRAINER	HP FLARE KO DRUM PUMP (530-G-016A/B)	50489-530-020-PID-1179	3/4"-DD-0185-N10B	2"-DD-0185-F10B
27	530-SP-S-0004	DUPLEX STRAINER		50489-530-020-PID-1179	3/4"-DD-0186-N10B	2"-DD-0186-F10B
28	530-SP-S-1311	DUPLEX STRAINER	RECYCLE EFFLUENT WATER PUMP (530-G-103A/B/C)	50489-530-020-PID-1138.001	3/4"-DD-0187-N30B	3/4"-DD-0445-N30B / 2"-DD-0444-N10B/ F10B
29	530-SP-S-1312	DUPLEX STRAINER		50489-530-020-PID-1138.001	3/4"-DD-0188-N30B	3/4"-DD-0451-N30B / 2"-DD-0450-N10B/ F10B
30	530-SP-S-1313	DUPLEX STRAINER		50489-530-020-PID-1138.001	3/4"-DD-0189-N30B	3/4"-DD-0457-N30B / 2"-DD-0456-N10B/ F10B


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 AT.
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. FOR STRAINER DRAIN DETAILS REFER P&ID:- 50489-530-020-PID-1108.004.
2. DRAIN OF BRACKISH WATER AND POTABLE WATER IS ROUTED TO GRADE LEVEL.
3. ROUTED TO PRESSURISED DRAIN SYSTEM.

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

AS-BUILT
LARSEN & TOUBRO LIMITED
NAME : VAIBHAV VERMA
DESIGNATION : AGM
SIGNATURE : 
DATE : 05-Aug-2018
DEPT/ DIVISION : ENGINEERING

ZO	ISSUED FOR AS-BUILT	HSB/CHS	AKG	SRA	RAK	05.08.18
O	ISSUED FOR CONSTRUCTION	HSB/CHS	AKG	SRA	RAK	05.08.16
B	ISSUED INCORPORATED CLIENT COMMENTS	HSB/VAJ	AKG	SRA	RAK	02.06.16
A	ISSUED FOR APPROVAL	HSB/VAJ	AKG	SRA	RAK	19.04.16
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
				APPRD.		

CONTRACTOR REVISION



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

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

DOCUMENT TITLE:-
PIPING & INSTRUMENTATION DIAGRAM
STRAINER DRAIN LINE NUMBERS

PROJECT NO.		DRAWING NO.		
EF1902	CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.	REV.
	50489-530-020-PID-1108.011	ZO		
	SHEET NO. 11 OF 20		SHEET NO.	
	COMPANY DRG. NO.	REV.		
	SHEET NO.			