SR NO.	CONTROL VALVE NUMBER	P&ID NO.	TYPE OF CONTROL VALVE	CONTROL VALVE DRAIN / VENT LINE NO. (NOTE-1)	COMMON LINE FOR CONTROL VALVE DRAIN/VENT (NOTE-1)	VENT LINE NO.	
1	030-PCV-1011A	50489-530-020-PID-1115	G	3/4"-PG-0001-C15B1	3/4"-PG-0001-C15B1	3/4"-BD-0001-C15B1 (NOTE-3)	
2	030-PCV-1011B	50489-530-020-PID-1115	G	3/4"-PG-0002-C15B1	3/4 1 0 0001 01361	3/4 DD 0001 C13D1 (NOTE 3)	
3	030-PCV-1012A	50489-530-020-PID-1115	G	3/4"-PG-0013-C15B1	3/4"-PG-0013-C15B1	3/4"-BD-0013-C15B1 (NOTE-3)	
4	030-PCV-1012B	50489-530-020-PID-1115	G	3/4"-PG-0014-C15B1	3/4 -	3/4 -DD-0013-C13D1 (NOTE-3)	
5	030-LCV-1013A	50489-530-020-PID-1115	F	3/4"-DD-0001-C15B	2"-DD-0001-F10B	N/A	
6	030-LCV-1013B	50489-530-020-PID-1115	F	3/4"-DD-0002-C15B	2"-DD-0002-F10B	N/A	
7	030-LCV-1013C	50489-530-020-PID-1115	F	3/4"-DD-0003-C15B	2"-DD-0003-F10B	N/A	
8	030-PCV-2011A	50489-530-020-PID-1116	G	3/4"-PG-0003-C15B1	3/4"-PG-0003-C15B1	3/4"-BD-0003-C15B1 (NOTE-3)	
9	030-PCV-2011B	50489-530-020-PID-1116	G	3/4"-PG-0004-C15B1	3/4 - 4 0-0003-01361	3/4 -BD-0003-CI3BI (NOTE-3)	
10	030-PCV-2012A	50489-530-020-PID-1116	G	3/4"-PG-0015-C15B1	3/4"-PG-0015-C15B1	3/4"-BD-0015-C15B1 (NOTE-3)	
11	030-PCV-2012B	50489-530-020-PID-1116	G	3/4"-PG-0016-C15B1	3/4 -PG-0013-C13B1	3/4 -BD-0015-C15B1 (NOTE-3)	
12	030-LCV-2013A	50489-530-020-PID-1116	F	3/4"-DD-0004-C15B	2"-DD-0004-F10B	N/A	
13	030-LCV-2013B	50489-530-020-PID-1116	F	3/4"-DD-0005-C15B	2"-DD-0005-F10B	N/A	
14	030-LCV-2013C	50489-530-020-PID-1116	F	3/4"-DD-0006-C15B	2"-DD-0006-F10B	N/A	
15	030-PCV-3011A	50489-530-020-PID-1117	G	3/4"-PG-0005-C15B1	2/4" DC 000E C1EB1	2/4" DD 000F C1FD1 (NOTF 2)	
16	030-PCV-3011B	50489-530-020-PID-1117	G	3/4"-PG-0006-C15B1	3/4"-PG-0005-C15B1	3/4"-BD-0005-C15B1 (NOTE-3)	
17	030-PCV-3012A	50489-530-020-PID-1117	G	3/4"-PG-0017-C15B1	2/411 DC 0017 C15D1	2/4" DD 0017 C1ED1 (NOTE 2)	
18	030-PCV-3012B	50489-530-020-PID-1117	G	3/4"-PG-0018-C15B1	3/4"-PG-0017-C15B1	3/4"-BD-0017-C15B1 (NOTE-3)	
19	030-LCV-3013A	50489-530-020-PID-1117	F	3/4"-DD-0007-C15B	2"-DD-0007-F10B	N/A	
20	030-LCV-3013B	50489-530-020-PID-1117	F	3/4"-DD-0008-C15B	2"-DD-0008-F10B		
21	030-LCV-3013C	50489-530-020-PID-1117	F	3/4"-DD-0009-C15B	2"-DD-0009-F10B	N/A	
22	030-PCV-0041	50489-530-020-PID-1122.001	В	3/4"-PG-0007-C15B1	N/A	2"-BD-0007-C15B1 (NOTE-4)	
23	030-PCV-0071	50489-530-020-PID-1123.001	В	3/4"-PG-0008-C15B1	N/A	2"-BD-0008-C15B1 (NOTE-4)	
24	030-PCV-0091	50489-530-020-PID-1124.001	В	3/4"-PG-0009-C15B1	N/A	2"-BD-0009-C15B1 (NOTE-4)	
25	030-FCV-0100A	50489-530-020-PID-1125.001	Α	2"-DD-0010-C15B	2"-DD-0010-F10B	N/A	
26	030-FCV-0100B	50489-530-020-PID-1125.001	А	2"-DD-0011-C15B	2"-DD-0011-F10B	N/A	
27	030-FCV-0100C	50489-530-020-PID-1125.002	Α	2"-DD-0012-C15B	2"-DD-0012-F10B	N/A	
28	030-FCV-0101A	50489-530-020-PID-1126.001	А	2"-DD-0013-C65B	2"-DD-0013-F10B	N/A	
29	030-FCV-0101B	50489-530-020-PID-1126.001	Α	2"-DD-0014-C65B	2"-DD-0014-F10B	N/A	
30	030-FCV-0101C	50489-530-020-PID-1126.002	Α	2"-DD-0015-C65B	2"-DD-0015-F10B	N/A	
31	030-FCV-0103	50489-530-020-PID-1126.002	Α	2"-DD-0016-C65B	2"-DD-0016-F10B	N/A	
32	030-FCV-1155A	50489-530-020-PID-1130.001	Α	2"-DD-0017-C35B	2"-DD-0017-F10B	N/A	
33	030-FCV-1155B	50489-530-020-PID-1130.001	A	2"-DD-0018-C35B	2"-DD-0018-F10B	N/A	
34	030-FCV-1155C	50489-530-020-PID-1130.001	A	2"-DD-0019-C35B	2"-DD-0019-F10B	N/A	
35	030-FCV-2155A	50489-530-020-PID-1130.002	A	2"-DD-0020-C35B	2"-DD-0020-F10B	N/A	
36	030-FCV-2155B	50489-530-020-PID-1130.002	A	2"-DD-0021-C35B	2"-DD-0021-F10B	N/A	
37	030-FCV-2155C	50489-530-020-PID-1130.002	A	2"-DD-0022-C35B	2"-DD-0022-F10B	N/A	
38	030-PCV-1163	50489-530-020-PID-1132.001	F	3/4"-DD-0023-C35B	2"-DD-0023-F10B	N/A	
39	030-TCV-1164A	50489-530-020-PID-1132.001	F	•		N/A	
40	030-TCV-1164B	50489-530-020-PID-1132.001	F	3/4"-DD-0024-C35B	2"-DD-0024-F10B	N/A	
41	030-FCV-1167	50489-530-020-PID-1132.001	F	3/4"-DD-0025-C35B	2"-DD-0025-F10B	N/A	
42	030-FCV-1168	50489-530-020-PID-1132.001	F	3/4"-DD-0026-C35B	2"-DD-0026-F10B	N/A	
43	030-PCV-2163	50489-530-020-PID-1132.002	F.	3/4"-DD-0027-C35B	2"-DD-0027-F10B	N/A	
44	030-TCV-2164A	50489-530-020-PID-1132.002	F.	•		N/A	
45	030-TCV-2164B	50489-530-020-PID-1132.002	F F	3/4"-DD-0028-C35B	2"-DD-0028-F10B	N/A	
46	030-FCV-2167	50489-530-020-PID-1132.002	F	3/4"-DD-0029-C35B	2"-DD-0029-F10B	N/A	
+∪	330 1 CV 2107	50489-530-020-PID-1132.002	<u>'</u>	3/4"-DD-0029-C35B	2"-DD-0030-F10B	N/A	

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 SHALL BE 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. FOR CONTROL VALVE DRAIN/VENT DETAILS REFER P&ID: 50489-530-020-PID-1108.010.
- 3. ROUTED TO HP FLARE, REFER P&ID: 50489-530-020-PID-1178.
- 4. ROUTED TO TV FLARE, REFER P&ID:- 50489-530-020-PID-1175.

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

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

		d-	Bu	Ron	S.	
ZO	ISSUED FOR AS-BUILT	HSH/CHS	ÁKG	SRA	RAK	05.08.18
0	ISSUED FOR CONSTRUCTION	HSH/CHS	AKG	SRA	RAK	05.08.16
В	ISSUED INCORPORATED CLIENT COMMENTS	PAK/VAJ	AKG	SRA	RAK	09.06.16
Α	ISSUED FOR APPROVAL	PAK/VAJ	AKG	SRA	RAK	25.04.16
REV.	. DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
111	. DESCRIPTION	DIVINI		APP	RD.	D/ (1 L

CONTRACTOR REVISION





CONTRACTOR DETAILS:-



LARSEN & TOUBRO LIMITED FARIDARAD FARIDABAD

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

DOCUMENT TITLE:-PIPING & INSTRUMENTATION DIAGRAM CONTROL VALVE DRAIN LINE NUMBERS-1

PROJECT NO.	DRAWING NO.					
	CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.	REV.		
	50489-530-020-PID-1108.015	ZO				
	SHEET NO. 15 OF 20		SHEET NO.			
EF1902	COMPANY DRG. NO.	REV.				
	SHEET NO.					