



TANK No./D (M)	SURFACE AREA (M ²)	SOLUTION 0.4-1% (LPM/M ²)	0.3% (LPM)	TOTAL FOAM 55 MINUTES (LITRES)	TANK NOZZLE NOS.	POURERS USED	LINE No. 1	LINE No. 2	LINE No. 3	LINE No. 4	LINE No. 5	LINE No. 6	LINE No. 7
D-007	56.14	2475	10149	304	16746	NB A/B/C/D/E/F	A B C D E F	8"-FF-9041-015A	4"-FF-9042-015A	4"-FF-9043-015A	4"-FF-9044-015A	4"-FF-9045-015A	4"-FF-9047-015A
D-008	56.14	2475	10149	304	16746	NB A/B/C/D/E/F	A B C D E F	8"-FF-9053-015A	4"-FF-9054-015A	4"-FF-9055-015A	4"-FF-9056-015A	4"-FF-9057-015A	4"-FF-9059-015A

GENERAL NOTES:

- FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001.
- ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530--.
- FOR ESDV, SBDV AND MOV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001.
- FOR MISCELLANEOUS PIPING DETAILS SEE DRAWING 50489-530-020-PID-1108.001.
- DELETED.
- DELETED.

NOTES:

- FOAM POURER IS LOCATED JUST BELOW TANK RIM BEAM AT TOP OF THE TANK SHELL AND IS FITTED WITH AN INTERNAL SPLIT DEFLECTOR PLATE. FOR MORE DETAILS OF FOAM POURER SEE APPENDIX 1.3 KOC-L-009, REV.4.
- VENDOR TO SUPPLY FOAM MAKER AND ENTRANCE ORIFICE PLATE.
- 2½" x 4 WAY SUCTION HEADERS ON SKID ARE POSITIONED 90° TO THE PREVAILING WIND DIRECTION.
- NOTE DELETED.
- ACCESS PLATFORM FOR FOAM POURER ARE PROVIDED.
- 45° FITTINGS TO FOAM POURER LINES AS PER SECTION 7.4.2.3 OF KOC-L-009, REV.4.
- FOR DETAILS OF TYPICAL FOAM SYSTEM AND 4 WAY SUCTION COLLECTING HEAD SEE APPENDIX 1.3 OF KOC STANDARD KOC-L-009, REV.4.
- NOTE DELETED.
- FOAM LINES AND CONNECTION TO TANKS ARE ALSO SHOWN ON P&ID 50489-530-020-PID-1154.001 FOR TANK D-007 AND P&ID 50489-530-020-PID-1154.004 FOR TANK D-008.

REFERENCE DOCUMENT:

NFPA-11	STANDARD FOR LOW, MEDIUM AND HIGH EXPANSION FOAM SYSTEM
50489-530-041-GAD-1701-001 & 002	GA DRAWING FOR SLOP TANK.
50489-530-000-DAT-1501	DATASHEET FOR FIXED FIRE PROTECTION EQUIPMENT

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

AS-BUILT	
LARSEN & TOUBRO LIMITED	
NAME: VAIBHAV VERMA	
DESIGNATION: AGM	
SIGNATURE:	
DATE: 30-SEP-2018	
DEPT / DIVISION: ENGINEERING	

REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE
Z1	RE-ISSUED FOR AS-BUILT	HSH/ASA	NU	SRA	RAK	30.09.18
0	ISSUED FOR AS-BUILT	HSH/ASA	NU	SRA	RAK	09.08.18
0	ISSUED FOR CONSTRUCTION	HSH/ASA	NU	SRA	RAK	09.08.18
C	ISSUED "INCORPORATED CLIENT COMMENTS"	HSH/ASA	NU	SRA	RAK	07.08.15
B	ISSUED "INCORPORATED CLIENT COMMENTS"	HSH/ASA	NU	SRA	RAK	21.07.15
A	ISSUED FOR APPROVAL	PAK/ASA	NU	SRA	RAK	06.01.15

CONTRACTOR REVISION



CONTRACTOR DETAILS:-
LARSEN & TOUBRO LIMITED
FARIDABAD

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

DOCUMENT TITLE:-
PIPING & INSTRUMENTATION DIAGRAM
FOAM SYSTEM FOR SLOP TANKS (D-007/D-008)

PROJECT NO.	DRAWING NO.
CONTRACTOR DRG. NO. 50489-530-000-PID-1116	REV. KOC DRG. NO.
SHEET NO. 1 OF 1	Z1 SHEET NO.
COMPANY DRG. NO. EF1902-530-080-PID-0116.001	REV. A1
SHEET NO.	