

GENERAL NOTES:

- A. FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001.
 B. ALL EQUIPMENT NOMBERS SHOWN ON THIS PADID ARE PRECEDED BY 530-.
 C. FOR ESDY, SBDY AND MOV DETAILS SEE DRAWINGS 50489-530-020-PID-1106.001. D. FOR MISCELLANEOUS PIPING DETAILS SEE DRAWING 50489-530-020-PID-1108.001.

NOTES:

- 1. UV/IR FLAME DETECTORS AUTOMATICALLY DETECT FIRE AND WHEN ACTIVATED A SIGNAL IS SENT TO THE FAC PANEL IN THE COR.
 2. AIR SET IS FITTED WITH AIR FILER, REGULATOR AND P.
 3. RO SUPPLIED TO GIVE PRESSURE/LOSS CHARACTERISTICS OF THE DELUGE VALVE.
- 4 WAY SUCTION COLLECTION HEAD IS INSTALLED TO ALLOW SECONDARY
 4 SUPPLY OF WATER TO DELUGE SYSTEM.
 5 DELUGE WAS ARE DAYPINGD THE DESIGNED FOR DELUGE OFFRATION AND BE UL LISTED AND FIN APPROVED.
- 6. TRIGGER HEAD CONFIGURATION 1/2" FUSABLE PLUGS OVER PROTECTED EQUIPMENT ON A GENERAL 3 x 3 METRE MATRIX

- 1/2" FUSABLE PLUSS OVER PROTECTED EQUIPMENT ON A GENERAL 3 x 3 METRE MATRO 7.2 VALVES REQUIRED IN BYPRAS LINE TO PREVIOU INJECTISARY OF VARIETY OF A WATER DUE TO GATE VALVE PASSING.

 A REQULATE DONNINGE, IS PROTODIO AROULD DELUGE SYSTEM TO AVOID THE PROTODIO AROULD DELUGE SYSTEM TO AVOID 19 STATEMENT OF THE PROTODIO AROULD STATEMENT OF THE THE PROTODIO AROULD AROULD AROULD AROULD AROULD AROULD AROULD AROULD AROULD AROUND ARO
- 13. DELUGE VALVE STATIONS ARE PROTECTED FROM RADIATED HEAT BY THE PROVISION OF
- 13. DELIDE YALVE STATIONS ARE PROTECTED FROM RADIATED HEAT BY THE PROVISION OF METAL RADIATION SHELDS.

 14. PIPE MICC (AS PER KOC-L-009);

 3. SIZE AND BELOW: 9.9-10 COPPER NIKEL TO ASTM B 466 UNS.

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 15. FLANCE ROSLIGHTON KITS ARE PROVIDED AT DISSULAR REFAL JUNCTIONS HAVING ELECTROMOTIVE POTATION. DIFFERENCE GREATER THAN 0.007.

 AS PER CAUSE 7.3.1.17.0 FROCC.—10.009.

- AS PER CLAUSE 7.3.1.17 OF KOC-1-009.

 IG. INTERNALY COATED US PIPING ARE FLANCES SPOOLS AS PER KOC-1-009.

 17. FLUSHING DRAIN PIT IS ACCESSIBLE FROM GROUND LEVEL.

 IS THE UNDERSEAUDU SECTION IS CETERMALY COATED WITH 3 LAVERS EXTREDE HOPE AS PER KOC-POO4 PART 6, REV-2 WITH THE INTERNAL PHENDUC EPOXY ON THE PIPING IS AS PER KOC-P-005 REV-1. 19. THE ABOVE GROUND PIPING SECTION IS COATED WITH SYSTEM A1-1 OF KOC-P-001 REV 3
- 13. THE ADDRESS AND THE SECOND SOUTH SOUTH STATE OF NO.-T-OUT RES. 32. TOP CHAMBER OF DELUGE VALVE IS CONNECTED TO MATER IN.E. OF MATER MALE OF ACTUATOR WHEN THE ARE PRESSING BOOKS DUE TO DETECTION OF RET. THE DAMPHORD OF ACTUATOR IS LETED AND ALLOWS THE MATER PRESSURE DAMPHORD OF GLOUGE VALVE DISCHARGE TO DAMA. THIS RELEAST THE PRESSURE IN THE TOP CHAMBER OF DELUGE VALVE ALLOWING THE CLUCKE VALVE TO OFFEN.

LEGENDS:

SYMBOL	DESCRIPTION		
ş FW s	FIRE WATER PIPING		
\downarrow	SPRAY NOZZLE		
D	REDUCER		
\bowtie	GATE VALVE		
—n	END CAP		

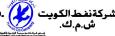
REFERENCE DRAWINGS:

50489-530-000-CAL-100	HYDRAULIC CALCULATION FOR WATER SPRAY SYSTEM FOR FIRST STAGE AND SECOND STAGE DESALTER
KOC-L-009	KOC STANDARD FOR FIRE PROTECTION SYSTEM
50489-530-000-LAD-106	5 FIRE WATER NETWORK LAYOUT
50489-530-000-LAD-106	FIRE WATER DETAIL ARRANGEMENT DRAWING FOR WATER SPRAY SYSTEM FOR DESALTER

			200	The same	40m	-9	
	Z 1	RE-ISSUED FOR AS-BUILT	PAK/DEU	NIJ	SRA	RAK	30.09.18
	20		PAK/DEU		SRA	RAK	05.08.18
	01	RE-ISSUED FOR CONSTRUCTION	PAK/DEU	NIJ	SRA	RAK	16.07.10
	0		PAK/DEU		SRA	RAK	13.05.10
	В	ISSUED "INCORPORATED CLIENT COMMENTS"	PAK/DEU	NIJ	SRA	RAK	15.10.13
	A	ISSUED FOR APPROVAL	PAK/DEU	NIJ	SRA		10.04.13
	REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE

CONTRACTOR REVISION





LARSEN & TOUBRO LIMITED FARIDABAD

PROJECT TITLE:-

NEW GATHERING CENTRE GC-30 IN NORTH KUWAIT

DOCUMENT TITLE:-DELUGE WATER SPRAY SYSTEM FOR IST STAGE & 2ND STAGE

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l	PROJECT NO.	DRAWING NO.						
ı		CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.	REV			
l		50489-530-000-PID-1118.002	Z1					
ı		SHEET NO. 2 OF 2		SHEET NO.	1			
ı		COMPANY DRG. NO.	REV.		П			
l								
II	1	SHEET NO.						