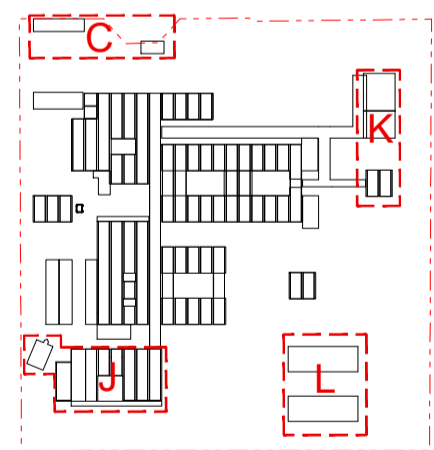


LEGENDS			
---	Exterior cold water network		
---	Interior cold water network		
---	Hot water network		
+	Interior sector ball valve		
+	Exterior shut-off buried valve		
---	Exterior Firefighting network		
---	Interior Firefighting network		
+	Fire hose reel		
+	Mixer tap		
+	Float valve for Water Closet		
+	Tap outlet		
<div>① Ø. (---) ② - Diameter ③ - Material ③ - Flow-in direction of arrow</div>			
ABREV.	Appliances	Minimum diameters	
		PP-R Cold-Water Ø[mm]	Hot-Water Ø[mm]
Wb	Wash basin	16	20
Sh	Shower	20	20
Wc	Water closet	16	-
Bd	Bed	16	16
S	Sink	20	20
Bt	Bathtubs	20	20
Dw	Dishwashing machine	20	-
Wm	Washing machine	20	-
Ur	Urinal	20	-
Ls	Laundry Sink	25	-
Wt	Water tap	25	-
MATERIALS			
The pipework of the exterior network shall be carried out by High density polyethylene pipes (HDPE) PN10 PE80 according with EN12201.			
The pipework of the interior network shall be carried out by PP-R pipes accordin with EN 15847.			
The water supply pipework shall be installed along the upper level of wall, on sight.			
The hot-water pipework must be insulated with elastic rubber tubes (elastomeric foam and closed cell flexible sleeve) with a minimum thickness of 25 mm accordin with EN 14304.			
All the firewater pipework shall be made of Medium class galvanized steel, manufactured in accordance with EN 10025, NP EN 10026 and NP EN 751. Inside the building, the pipework will be installed on sight and accessible.			



REVISION		
NO.	DATE	IN CHARGE
COMPANY TITLE		
In cooperation with:		
PROJECT NAME		
Rehabilitation of the Saudi Maternity Hospital Kassala Health Citadel Sudan		
TECHNICAL PROJECT		
Hydraulic WATER SUPPLY/FIRE FIGHTING		
PROJECT STATUS		
DETAILED DESIGN		
DRAWING NAME		
Ground Floor - Blocks C, J, K and L		
DATE		LAYOUT ID
2020/03/06		PLT.003
DRAWING SCALE		
1/100		
HFF.01.PLT.003		