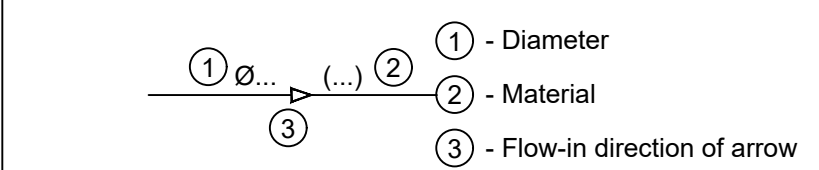


LEGENDS	
	Exterior cold water network
	Interior cold water network
	Hot water network
	Interior sector ball valve
	Exterior shut-off buried valve
	Exterior Firefighting network
	Interior Firefighting network
	Fire hose reel
	Mixer tap
	Float valve for Water Closet
	Tap outlet



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	Bidet	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**

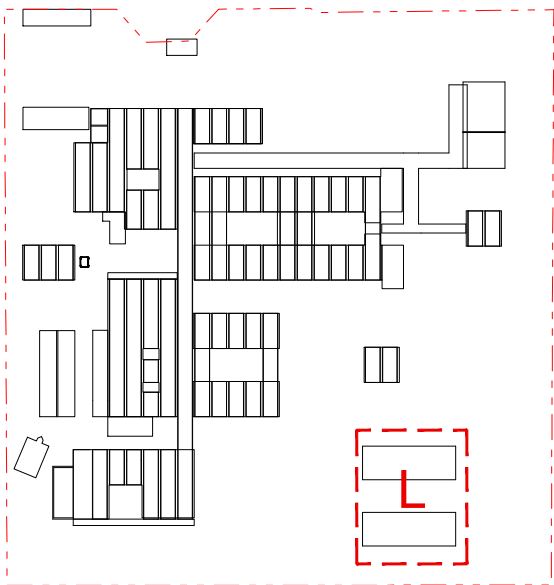
The pipework of the exterior network shall be carried out by High density polyethylene pipes (HDPE) PN10 PE80 according with EN12201.

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 10226 and NP EN 751. Inside the building, the pipework will be installed on sight and accessible.



REVISION	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  
First Floor - Block L

DATE	LAYOUT ID
2020/03/06	PLT.005
DRAWING SCALE 1/100	
HFF.01.PLT.005	