



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

① Ø

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②

① - Diameter

② - Material

③ - Flow-in direction of arrow

ABREV.	Appliances	Minimum diameters	
		PP-R	
		Cold-Water	Hot-Water
		Ø[mm]	Ø[mm]
Wb	Wash basin	16	20
Sh	Shower	20	20
Wc	Water closet	16	-
Bd	Bidet	16	16
S	Sink	20	20
Bt	Bathluis	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 Kasala Health Citadel Sudan				
TECHNICAL PROJECT Hydraulic WATER SUPPLY/FIRE FIGHTING				
PROJECT STATUS DETAILED DESIGN				
DRAWING NAME Ground Floor - Blocks E, H and I				
DATE 2020/03/06	LAYOUT ID PLT.004			
DRAWING SCALE 1/100				
HFF.01.PLT.004				