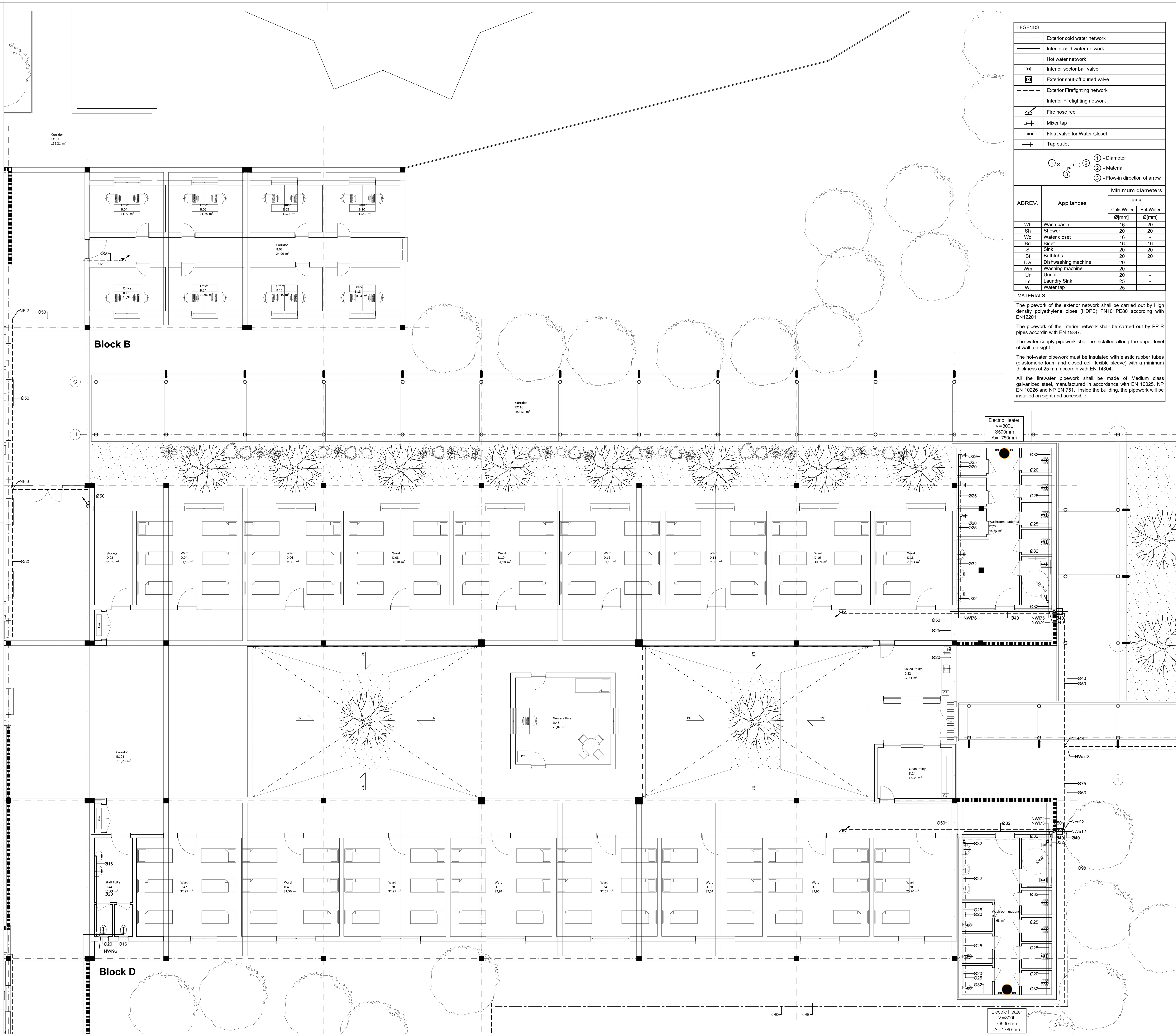


LEGENDS

— - —	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
(symbol)	Fire hose reel
(symbol)	Mixer tap
(symbol)	Float valve for Water Closet
—+	Tap outlet

① Ø... (...) ② ③

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	Bathtubs	20	20
Dw	Dishwashing machine	20	-
Wm	Washing machine	20	-
Ur	Urinal	20	-
Ls	Laundry Sink	25	-
Wt	Water tap	25	-

MATERIALS

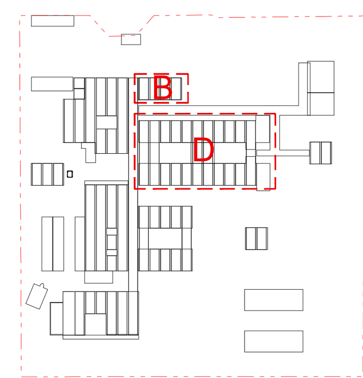
The pipework of the exterior network shall be carried out by High density polyethylene pipes (HDPE) PN10 PE80 according with EN12201.

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 allong 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 — ampc International Health Consultants — in cooperation with: jfa

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 B and D

DATE
2020/03/06

LAYOUT ID
PLT.002

DRAWING SCALE
1/100

HFF.01.PLT.002