

PACK 2:
OT

Block E

Block I

Block H

LEGENDA	
	Existing wastewater network
	Wastewater drain network
	Grease wastewater drain network
	Ventilation pipe network
	Flow Direction
	Floor Trap
	Floor Gully
	Wastewater Manhole
	Grease Separator
	Septic tank
	Infiltration Pit
	Existing Septic tank
	Existing Infiltration Pit

① Ø...	③ i=...%	②	Manhole n°...
④			CL=...
			IBL=...
			Ø... x Ø... / ...
① - Diameter			Manhole n°... - Name and number of manhole
② - Slope			CL=... - Cover Level of manhole
③ - Flow-in direction of arrow			IBL=... - Inside Base Level of manhole
④ - Material			Ø... x Ø... / ... - Dimensions in mm
			IL.I=... - Invert Level of Inlet pipe of manhole
			IL.O=... - Invert Level of Outlet pipe of manhole

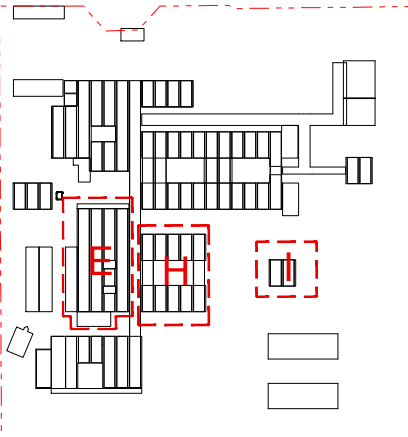
BRANCH DISCHARGE PIPE		TRAP SEAL	
Appliances	DN (mm)	i (mm/m)	(mm)
Wb - Wash basin	40	20-40	30
Wc - Water closet	90	20-40	-
Bd - Bidet	40	20-40	30
Bt - Bathtubs	40	20-40	30
S - Sink	50	20-40	50
Dw - Dishwashing machine	50	20-40	50
Wm - Washing machine	50	20-40	50
Sh - Shower	40	20-40	30
Ls - Laundry sink	50	20-40	50
Ur - Urinal	50	20-40	50
Co - Condensates	32	20-40	32

MATERIALS

All gravity drain pipes will be carried out by PVC-U, in accordance with the standard NP EN 1329.

Manhole covers will be made of cast iron. Inside the building covers shall be recessed, to receive the same finishing as the surrounding floor.

Where trenches depth is such that the drains cover is less than 1.00m and subjected to traffic load, they shall be reinforced according with the proper detail.



REVISION	DATE	IN CHARGE
COMPANY TITLE		
In cooperation with:		
PROJECT NAME		
Rehabilitation of the Saudi Maternity Hospital Kassala Health Citadel Sudan		
TECHNICAL PROJECT		
Hydraulic WASTEWATER DRAINAGE		
PROJECT STATUS		
DETAILED DESIGN		
DRAWING NAME		
Roof - Blocks E, H and I		
DATE		LAYOUT ID
2020/03/06		PLT.009
DRAWING SCALE		
1/100		
HWD.01.PLT.009		