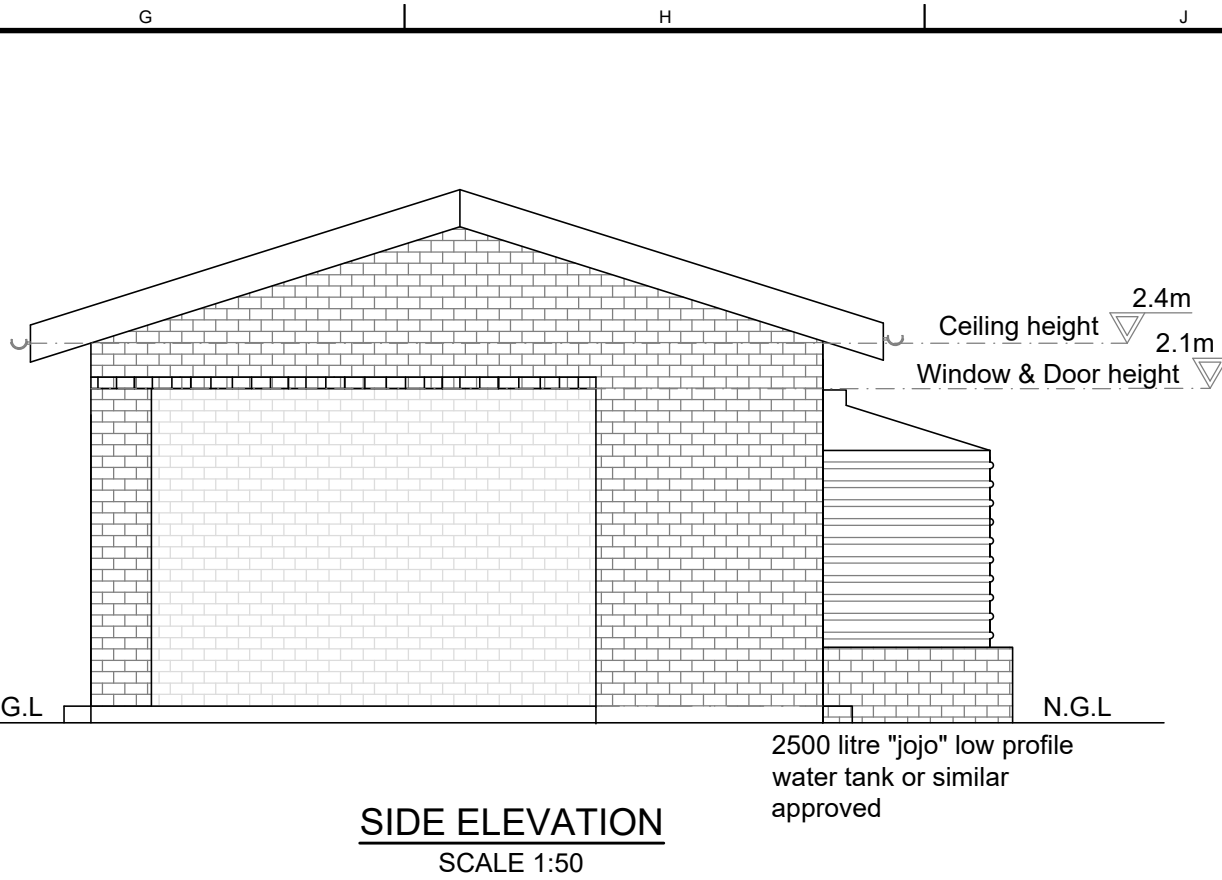
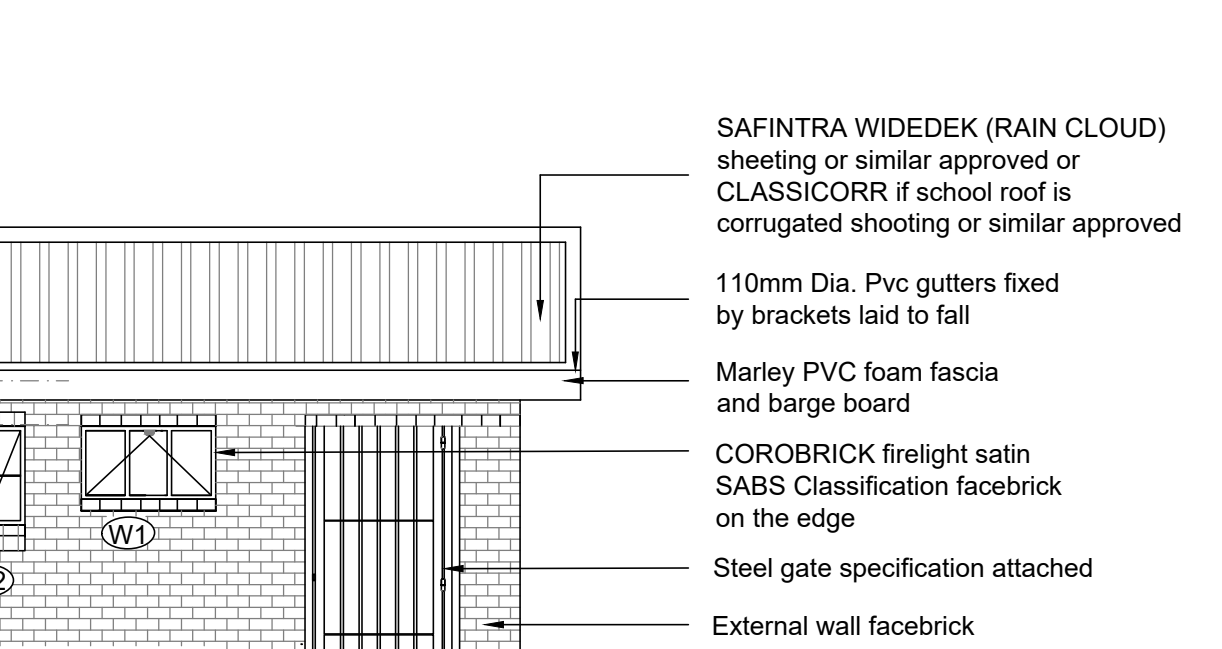




1. The implementing agent will give direction whether a pit will be sealed or un-sealed depending on the outcome of the ground water protocol.
2. The contractor will be responsible for excavation the pit, whatever the ground conditions, his/her cost.
3. All blocks to be nfx engineering blocks for the whole substructure.
4. Section a-a shows the arrangement for an un-sealed pit, for sealed pits the outside wall of the substructure must be solid with no open vertical joints.
5. The bottom of the pit will include a 500mm thick concrete base to ensure the pit is fully sealed.
6. Central dividing walls must be constructed with fully mortared joints for the full depth.
7. The outer wall of the pit must have a minimum thickness of 200mm
8. The pit must be 1 course of bricks above the natural ground level.
9. The slabs will be designed and approved by the implementing agent.
10. The rain water harvesting tank must be equipped with a flood valve and connected to the main water supply within the school yard, where it is available.
11. Taps in all wash hand basin must be charcoal pvc drip.
12. Close taps to ensure reliable water conservation, which must be able to close at minimum 15kpa pressure.
13. Vent pipes to secured to the walls outside the ablation facilities
- 3m 110mm Ø vent pipe (black - uv) fixed with 3 110mm holder bats
- 110mm fly screen used at vent end Charlock VIP 200 toilet pedestals to be complete with seat lid. Grade R: Char Bambu /drop (kiddie pan)
- pipes from sinks & urinal outlets to soakaway R: (50mm pvc)
- pipes from gutters to fill tank (75mm pvc)
- pipe form tank to sinks (15mm polycop) fitting to be done internally



A. FOUNDATIONS

1. Foundation to be 700mm wide x 250 thick, 25 mpa concrete strip footing under all walls.

2. They are to sit on firm compacted ground (excavated trenches) to engineers approval upon inspection.

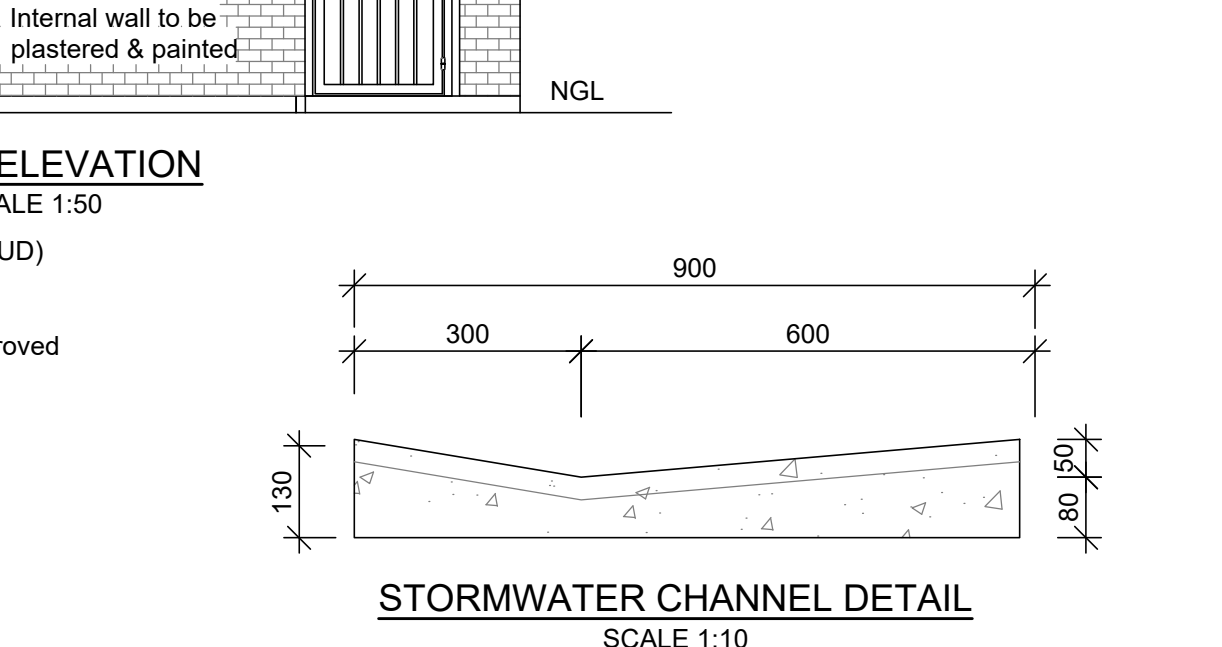
B. BACKFILL

1. Fill & imported fill to be approved clean earth, well watered & rammed in layers not exceeding 150mm in depth and thoroughly consolidated to a density of 95% mod ashto.

C. FLOORS

1. All to Engineers detail and specification.

D. WALLS



1. All walls are to comply with "Part K" of the National Building Regulations.
2. COROBRICK COMMONS to be used where to receive plaster. COROBRICK ENGINEERING Bricks to be used below ground level in foundation walls.
3. Brickwork to every 3rd course up to window head height thereafter all courses from window head to underside of wallplate. Galvanised crimp wire wall ties (7 per square metre - laid staggered).
4. External face of inner skin to be painted bitumen paste. 375 micro embossed damp-proof membrane stepped below all window cills.
5. Where plaster is required internally (13 - 16mm thick) ratio

K (RAIN CLOUD) sheeting or

boards 12mm thick and 225mm
ile fascia joiners. Drill for and
galvanised drive screws and

x 800mm socketless barge
e barge board joiners. Drill for
oped galvanised screws and
mm trimmer batten fixed
ds for barge board fixing.

ters or similar approved in
gths & fixed with concealed
00 towards outlet. Joints at
to be accurately formed,
hieve a watertight finish.
max 1m centres. 75mm Dia
NO. to discharge into rain

brick lintel Steel windows with
ile bottom hung

w cills with DPC under.
atin SABS Classification
lar approved. Facebrick
m above finish floor level

ed concrete slab (20Mpa)
Ref 193 set 25mm below top
bed on fill compacted to MOD
be poisoned in accordance
ertificate to be provided)

o fall of 1:200 & in panels with
3m centres on fill compacted to
Control joints sealed with 10mm
with backing strip & softboard.

m wide x 250 thick, 25mpa
under all walls. They are to sit
und (excavated trenches) and
upon inspection

TYPICAL EAVES DETAIL

SCALE 1:20

5. Must be 1:5 cement:sand mix. Beam filling to underside of roofing sheets.
6. Control joints to be provided in accordance with engineers specifications & must be seated with 12mm deep polysulphide sealant with backing strip and impregnated softboard.
7. All internal brickwork to have brickforce at every third course of brickwork.
8. All founding and / or retaining wall to Structural Engineers details.
9. P.C. lintols to be installed over all new openings where walls to be plastered and painted.
10. All Facabrick on edge lintels strictly to engineer's detail
1. Sfera 0.5mm thick AZ150ZincAl Widedek profile roof sheeting, fixed to intermediate steel purlins at 1600mm centres, and to ridge and eaves purlins at 1350mm centres, 12x55mm long class3 metal self drilling screws at every second crest at intermediate purlins and every crest at eaves purlins all in accordance with the manufacturer's recommendations.
2. The sheeting shall be Widedek trapezoidal type profile as manufactured by Sainitrra Roofing.
3. The profile shall be roll-formed with 5 trapezoidal ribs at 191mm centres with a nett cover of 760mm.
4. The rib height shall be 29mm and shall be fixed in accordance with the manufacturer's recommendations
5. Widedek sheeting the recommended minimum pitch for slopes in excess of 15m is 10° and for slopes less than 15m is 7°.
6. Widedek sheeting can be ordered in any length, subject to transport limitations up to 13.2m . Longer lengths require special transport arrangements.
7. Purlin spacings are dependant on both downward loading and negative suction loading caused by wind. The engineer should be consulted to calculate the load (kN/m²) for particular application

