Backfill of excavated material placed as soon as slab is cast. The pit should be no more than 100-150mm larger than structure.

The footing for the screen wall should be built on undisturbed ground.

Superstructure can be plastered burnt bricks laid lengthwise. Screen wall should be 1.6m high with cornered ends to provide rigidity. Grill door should be hinged on the latrine wall side.

Vent pipe with aluminium mesh. An alternative is to leave the vent pipe out and provide a tight fitting drop-hole cover.

Notes:
1. All dimensions as indicated on the drawing
2. Conc mix 1:2:4
3. Conc footing: 600x200mm thickness, but optional subject to soil conditions
4. Slab thickness: 100mm
5. G/level plight height to be 100mm below floor slab
6. External block/brick work will be 120-150mm
7. Inside wall will be 100mm thickness
8. Handwash drip holes to be spaced between 400-500mm C-C
9. Drip handwash pipe to be anchored firmly in brick work using clips placed 500mm C-C
10. One tap on T-piece (individual users) followed by one gate valve (multiple users)
### Details of Steel Encasement Door Hinged on External Wall (Not to Scale)

- 1400x900mm Steel encasement door on both sides hinged on the wall.

### Details of the Roof Structure (Not to Scale)

- Corrugated roofing sheets 300x75mm so, wood timber rafters.
- Solid block above C.C.
- Seal level.

### Details Sub-Structure Concrete Grouting & Blockwork

- Concrete seal protection.
- Honeycomb blockwork.

### Notes

1. All dimensions as indicated on the drawing.
2. Con: 1:2:4
3. Concrete:
   - 600x200x200mm thickness, but optional subject to soil conditions.
   - Slab thickness: 100mm.
   - G/level plinth height to be 100mm below floor slab.
4. External block/brickwork will be 150mm.
5. Inside walls will be 100mm thickness.
6. Access ramp for disabled to provided at one entrance per toilet.
7. Handrails (15mm bars) to be provided in the cubicle with access ramp.
8. Handwash drip holes to be spaced between 400-300mm C-C.
9. Drip handwash pipe to be anchored firmly in brickwork using clips placed 300mm C-C.

### Modified School VIP Toilet Block

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| Scale |
One tap on T-piece (individual users) followed by one gate valve (multiple users)

Outline of footing shown (dotted line. 500 x 200mm with blocks central on footing. Outer edge of footing is the side of the excavation. Backfill amount is therefore minimized

Steps made of permanent blocks – cemented in place

Handrails (16mm bar)

220 liter PVC drum on 500mm height block/brick stand

1. All dimensions as indicated on the drawing
2. Concrete mix 1:2:4
3. Concrete footing: 600 x 2000mm thickness, but optional subject to soil conditions
4. Slab thickness: 100mm
5. Floor plinth height to be 100mm below floor slab
6. External block/brick wall will be 150mm
7. Inside walls will be 100mm thickness
8. Handwash drip holes to be spaced between 400-500mm C-C
9. Drip handwash pipe to be anchored firmly in brickwork using clips placed 500mm C-C
10. One tap on T-piece (individual users) followed by one gate valve (multiple users)

Date

Name

MODIFIED SCHOOL VIP
TOILET BLOCK

Drawn

Design

Check

Drawing Size A3

AutoCAD No

File Name

File No.

Scale
WinS DOUBLE VAULT PIT LATRINE – with grill door (subsidized approach)

- Preferred design with grill door hinged on latrine side (1.4m high is sufficient)
- Ramp for disabled (one side only) – hand rails inside on walls
- Vent pipe with aluminum mesh to prevent insect entry / exit.
- Alternatively omit and include tight-fitting drop-hole cover

WinS HAND WASHING STATION – with two taps (subsidized approach)

- Backfill to ground level – as soon as slab is cast
- Finish off with ramped soil and concrete cover strips
- Remove excess soil from around the site!

- Preferred
- Ramp for disabled (one side only) – hand rails inside on walls

- 200l drum. Steel frame reduces theft. Blocks can also be used.
- Two taps (high quality)
  - 1. First is for the single user
  - 2. Second is for multiple users (as in photo)

- Vent pipe with aluminum mesh to prevent insect entry / exit.
- Alternatively omit and include tight-fitting drop-hole cover

- There should be steps to allow children to fill the drum easily

- Remove excess soil from around the site!