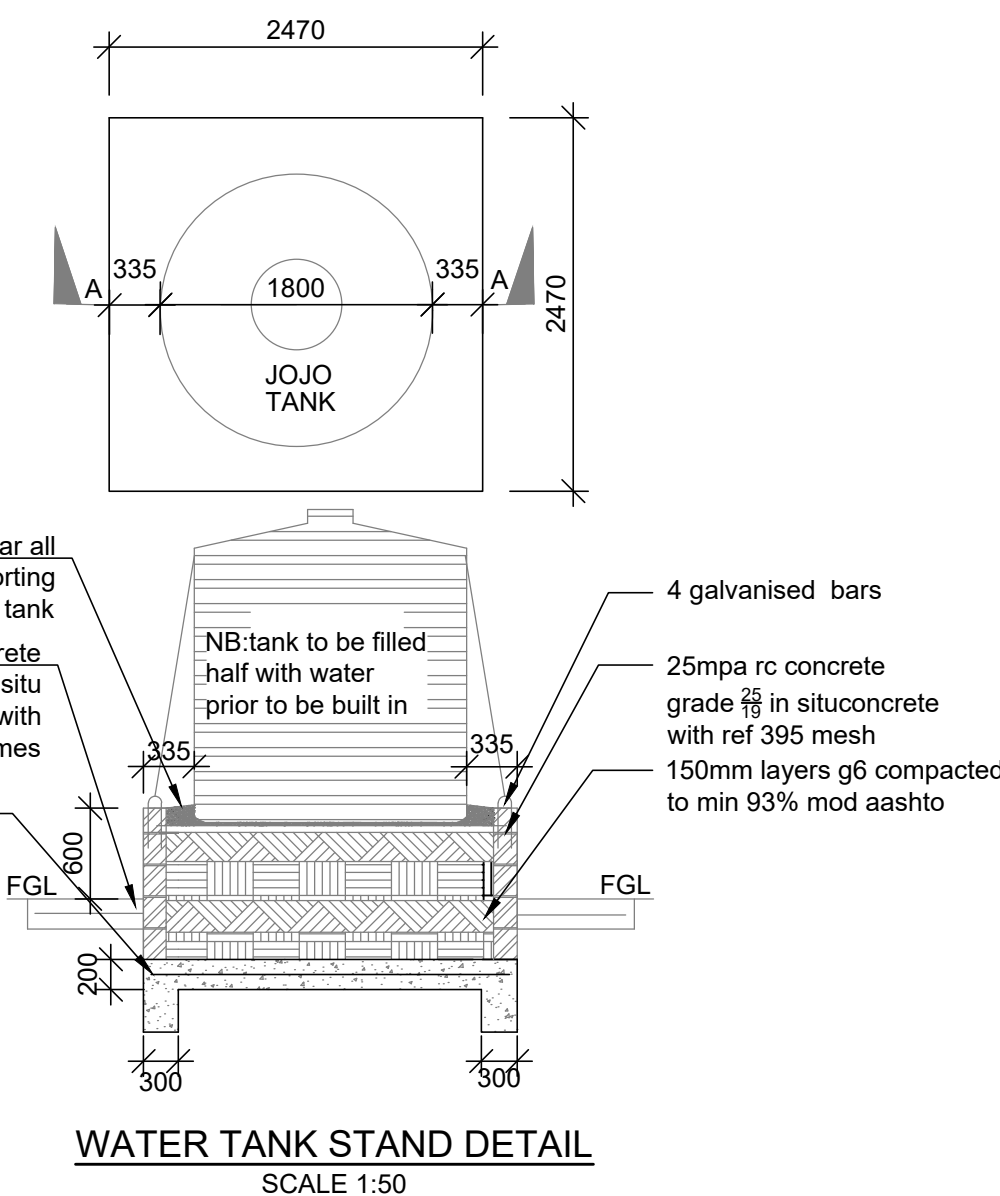
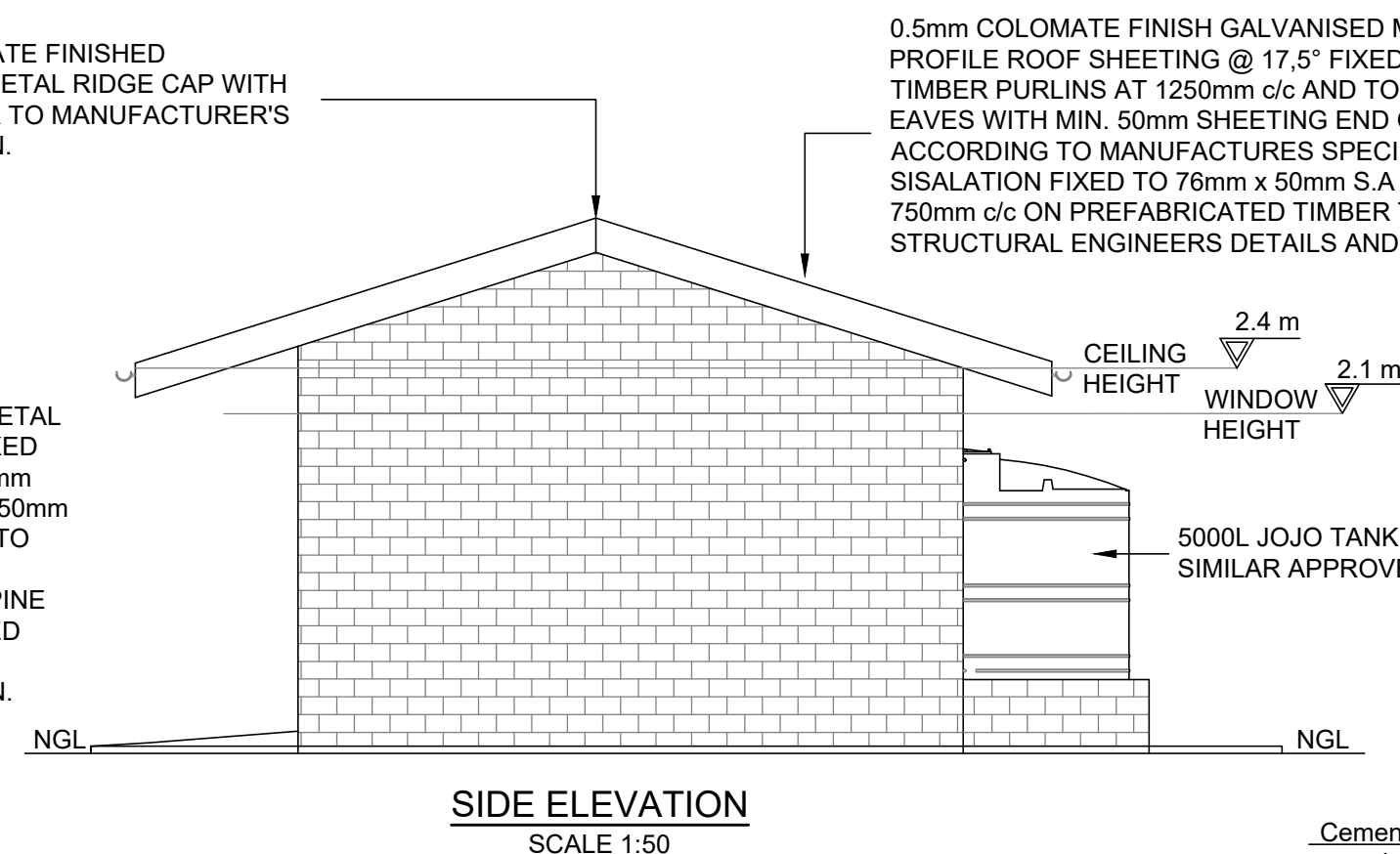
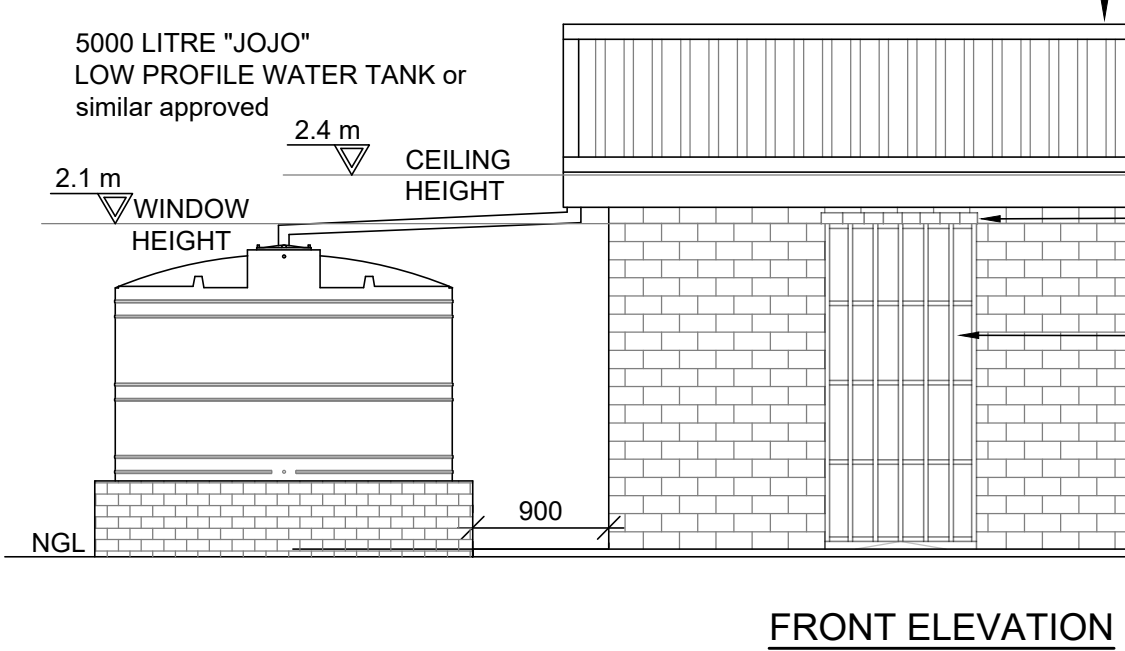
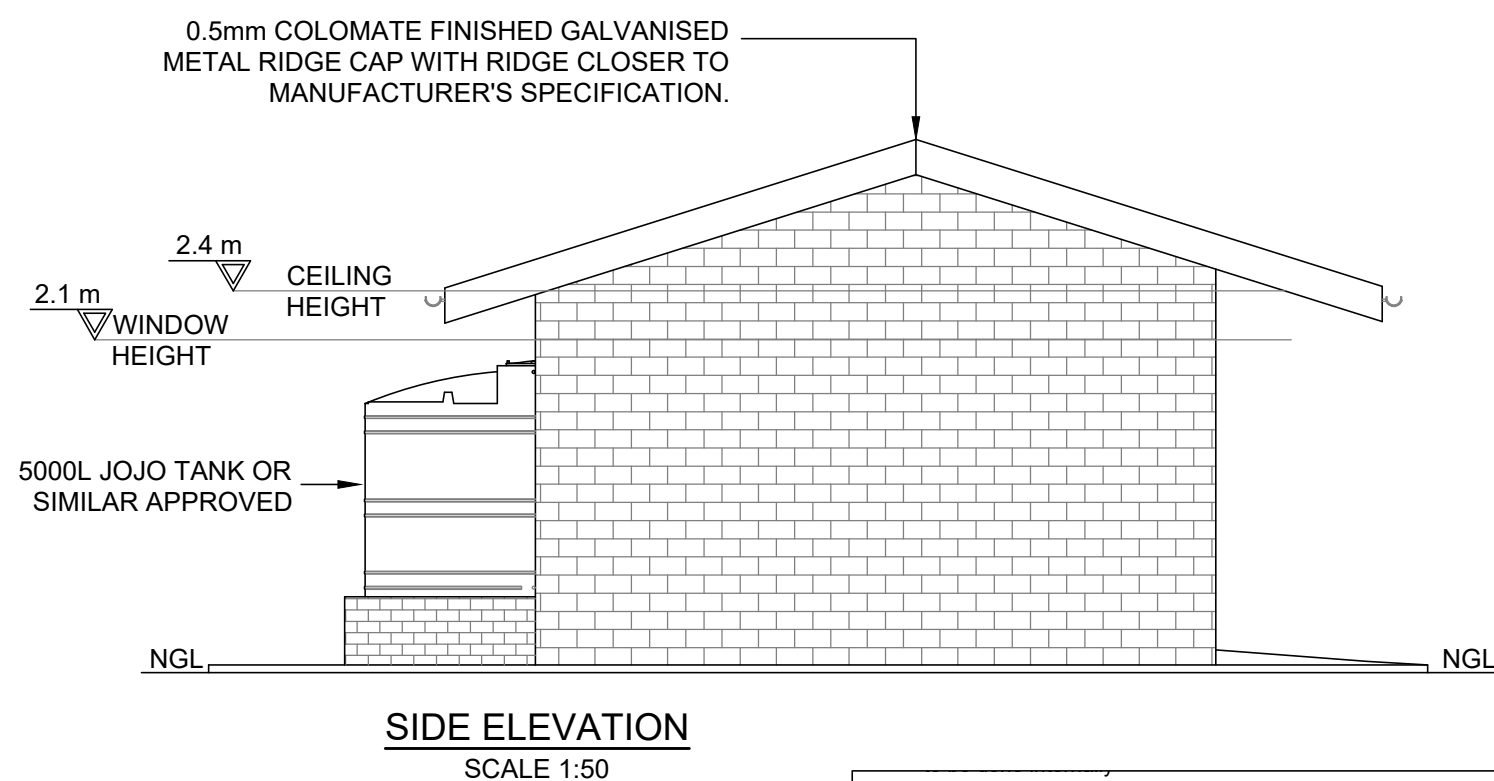
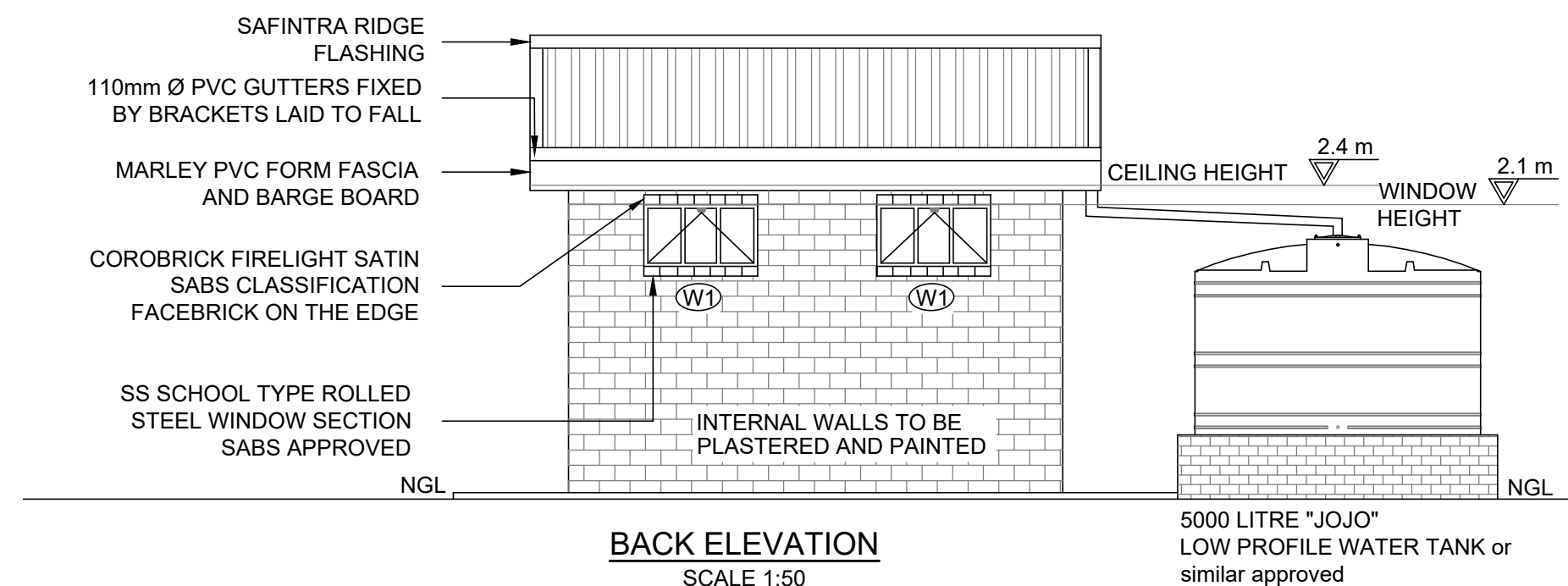
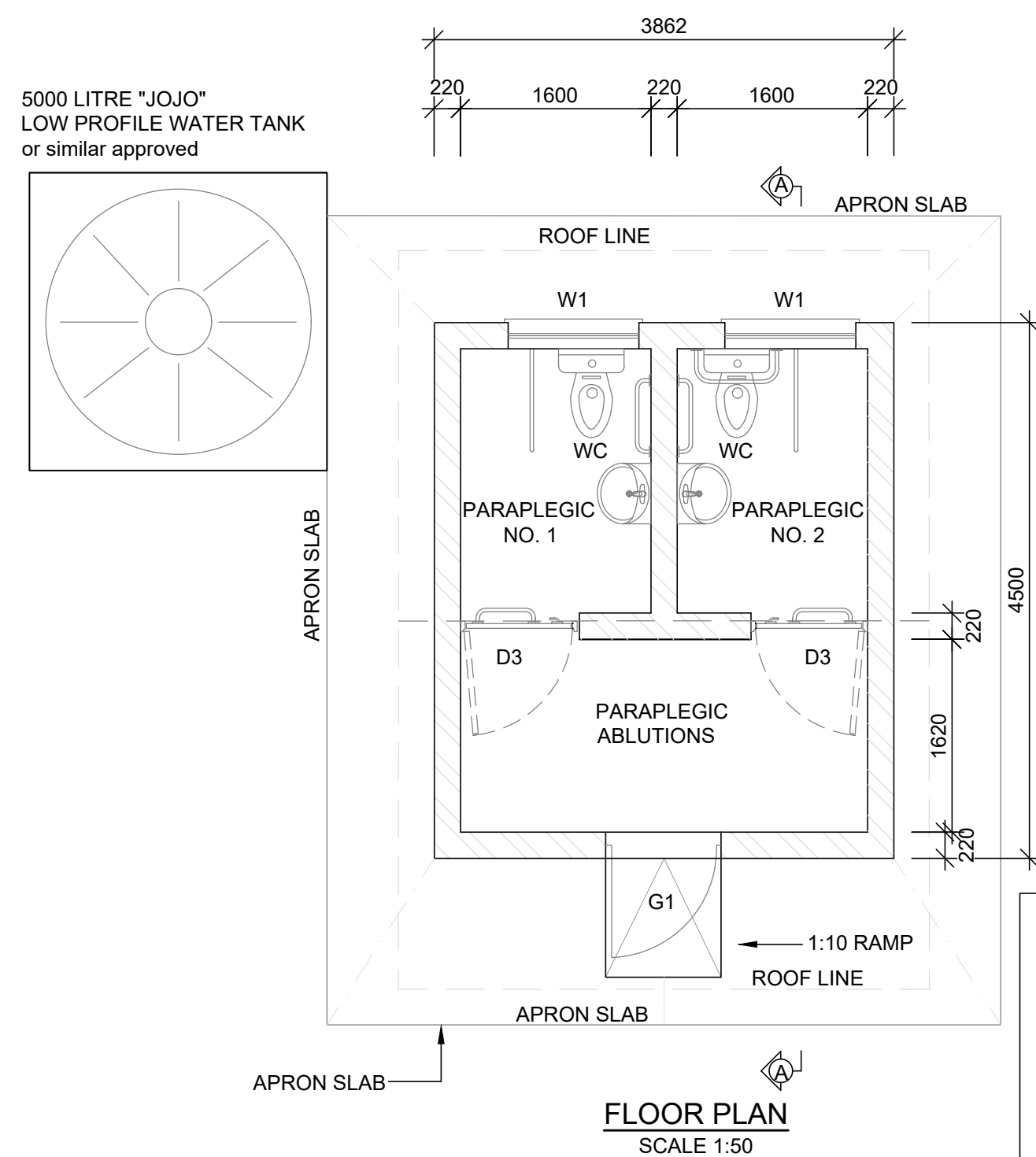
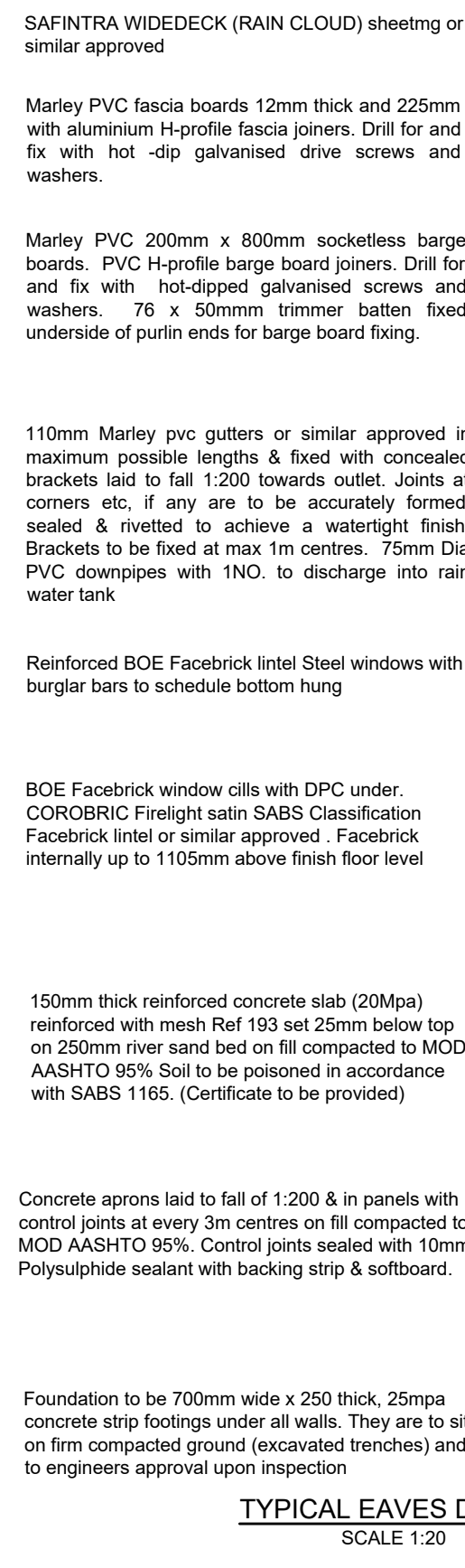
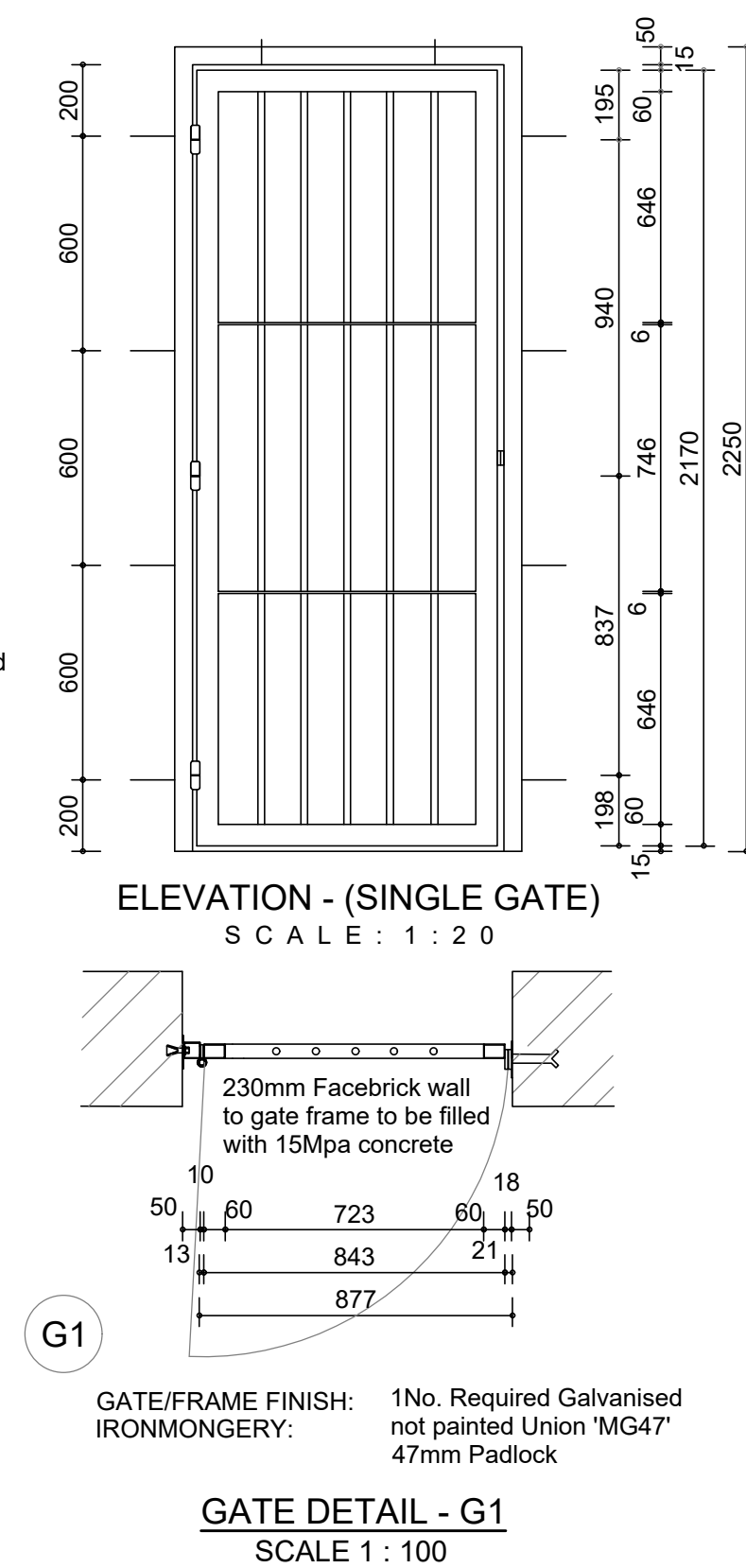
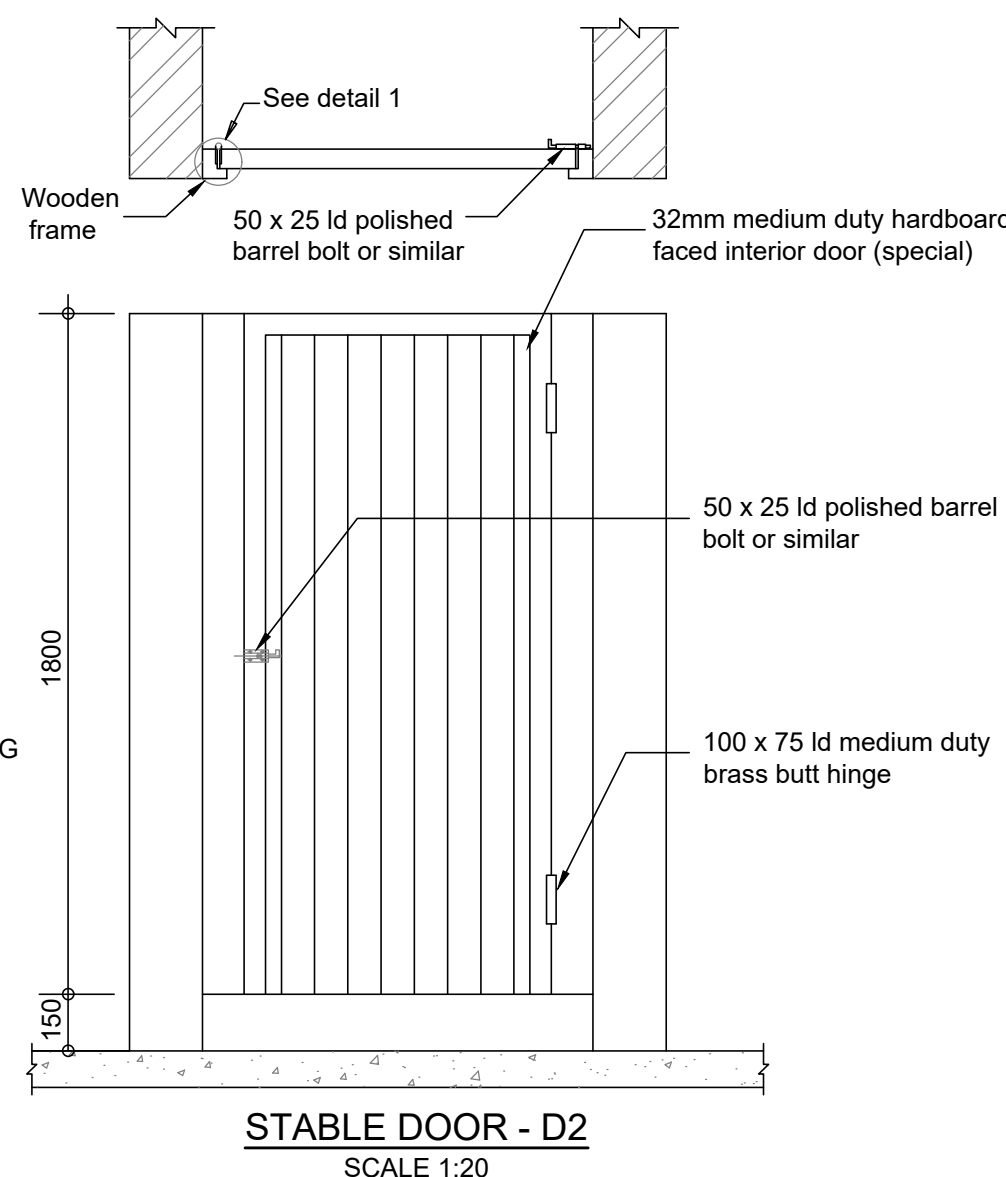
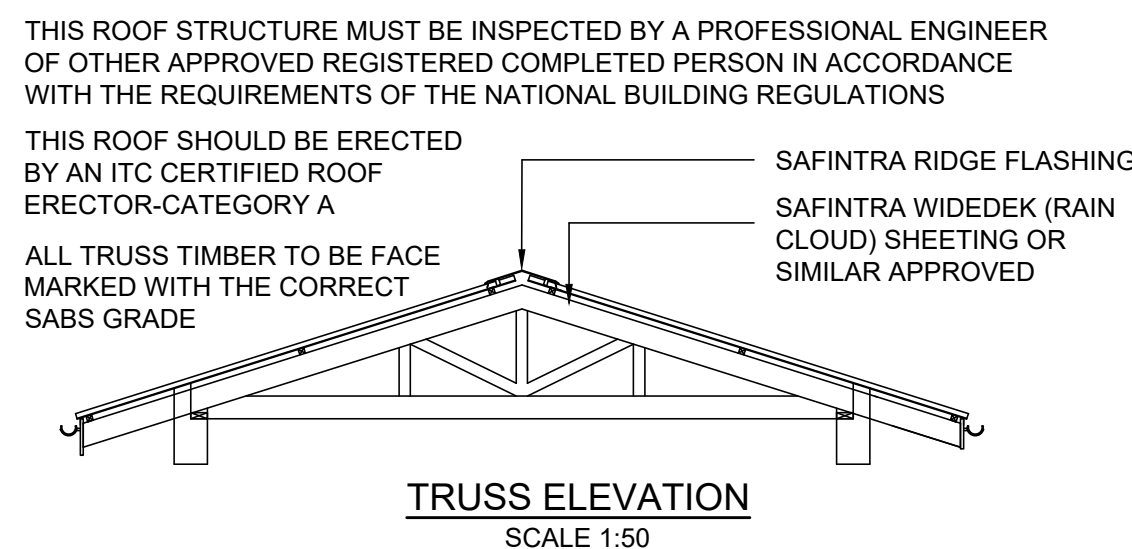
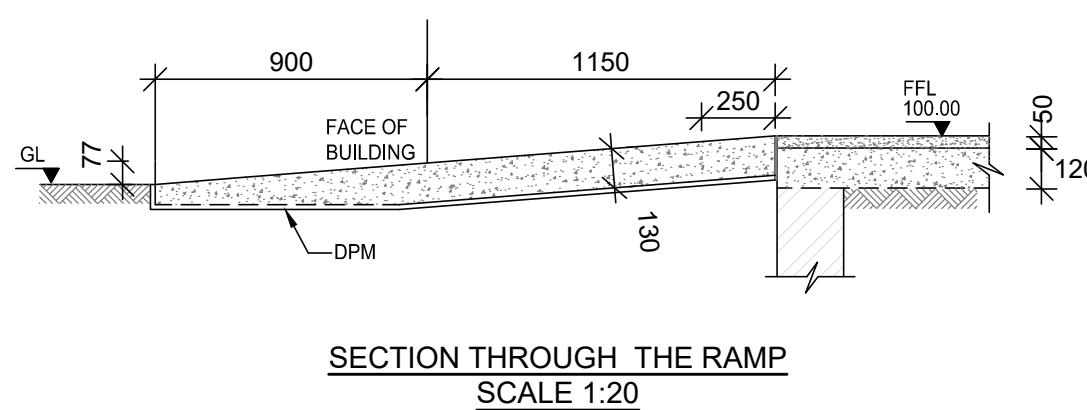
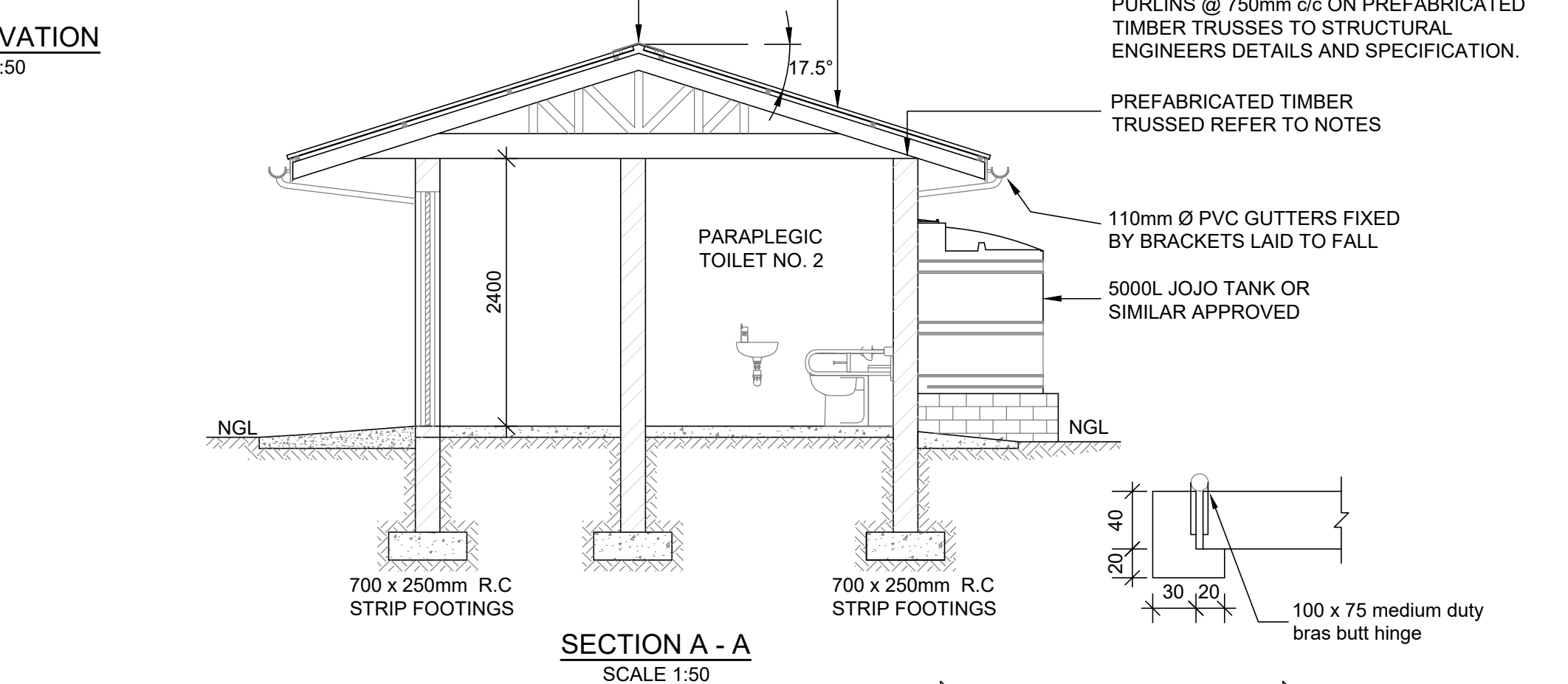




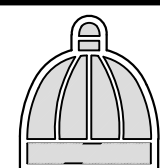
DOOR SET & WINDOW SCHEDULE
SCALE 1:50

	Refer to plan for handing
TYPE:	D2
FRAME:	1.2mm galvanised pressed metal 1 No. frame suitable for 230mm wall
F.FINISH:	Galvanised. Not painted.
DOOR:	2032x813x40mm TDM hardwood BB doors, SA Pine sub frame with double top and bottom rails, tongue and groove boarding in v. joint rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces.
D.FINISH:	Wood prime, one coat undercoat and two coats gloss
IRONMONGERY	LOCKS: DORMA DO36S Euro-profile cylinder sash lock SS HANDLE: DORMA CB30 Lever handle on rectangular Euro-cylinder backplate 61mm centre.
TYPE:	W1 No. Required: 2
FRAME:	Bottom hung SS school sandblasted glass puttled window sections. SABS approved
GLASS:	4mm sandblasted glass puttled in with steel window putty.
FITTING:	Approved standard brass fittings completed with window.
B. BARS	8mmØ bars
FINISH:	Galvanised. No Painting required
NOTES:	Courses adjacent to window jambs are to have cares filled allowing fixing lugs to be built-in



CONSTRUCTION NOTES

- A. FOUNDATIONS**
 1. Foundation to be 700mm wide x 250 thick, 25 mpa concrete foot footing under all walls.
 2. They are to sit on firm compacted ground (excavated trenches) with a minimum of 700mm below ground level and to engineers approval upon inspection.
- B. BACKFILL**
 1. If not 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. As to All Engineers detail and specification.
- D. WALLS**
 1. All walls are to comply with "Part K" of the National Building Regulations.
 2. COROBRIK COMMONS to be used where to receive plaster COROBRIK ENGINEERING Bricks to be used below ground level in foundation walls.
 3. Brickwork to every third course up to window head height thereafter all courses from window head to underside of window to be galvanneal crimp wire wall ties (7 per square metre laid staggered).
 4. External face of inner skin to be painted bathroom paint. 375 mmr embossed damp-proof membrane stepped below all window sills.
 5. Window easter is required internally (13 - 16mm thick) ratio 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 sealed with 12mm deep polysulphide sealant with backing strip and impregnated softboard.
 7. All internal brickwork to have brickwork at every third course of brickwork.
 8. All founding and / or retaining wall to Structural Engineers details.
 9. P.C. lintels to be installed over all new openings where walls to be plastered and painted.
 10. All substructure on edge lintels strictly to eng. detail.
- E. ROOF**
 1. Salfitna 0.5mm thick A2150ZnAl Widedek profile roof sheeting, fixed to intermediate steel purlins at 1600mm centres and to ridge and eaves purlins at 1350mm centres, with 100mm 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 Salfitna Roofing.
 3. The profile shall be roll-formed with 5 trapezoidal ribs at 191mm centres with a net cover of 760mm.
 4. In no case shall be fixed to roof beams to 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 7.5°
 6. Widedek sheeting can be ordered in any length, subject to transport limitations (12m). 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 the particular application

ETHEKWINI WATER
AND SANITATION

DESIGN BRANCH

GENERAL NOTE:

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 laid engineering blocks for the whole substructure.
4. Section 4 shows the arrangement for an un-sealed pit, for sealed pits the outside wall of the substructure must be constructed with no open vertical joints.
5. The concrete 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 concrete 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 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 basins must be charlocky pop Pro.
12. Close tank taps to ensure reliable water conservation, which must be able to close at minimum 15kpa pressure.
13. Vent pipes to secure to the walls outside the abutment facilities (100mm Ø vent pipe (black - uv) fixed with 3 110mm holder bolts)
14. 110mm fly screen used at vent lead Grade R Vent 200 toilet pedestals to be complete with seal and Charlock R Char Barbi (Kiddie pan)
15. Pipes from sinks & urinal outlets to soakaway pit (500mm pipe)
16. pipes from gutters to fill tank (75mm pipe)
17. pipe from tank to sinks (110mm polyprop) fitting to be done internally

DESIGN CONSULTANT



ADDRESS : 62 Old Main Road
KLOOF 3610
Email : info@vuvamu.co.za

Contact Details :
TEL : (031) 003 4270
FAX : (031) 003 4271

FUNCTION		NAME	SIGNATURE
DESIGNED BY		L.MASIMULA	
DRAWN BY		M.MTHEMBU	
DESIGN CHECKED BY		L.MASIMULA	
DRAWING CHECKED BY		A.XOZWA	
APPROVAL - CONSULTANT			
NAME	S.MBUTHUMA		
DATE		PROF REG No.	2018300301

SCALE AS SHOWN	SHEET SIZE A1
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CONSTRUCTION INFORMATION	
MAINLAYER	
START DATE	
FINISH DATE	
W/O NUMBER	
LEVEL OF SERVICE	
SUPERVISOR NAME	
CONTACT NUMBER	
DATE SENT TO GIS	
GIS INFORMATION	
DATE RECEIVED	
NAME	

Rev. No	Date	Description	Drawn
NOTE: No construction work to commence until land and servitude acquisitions have been completed			
Acquisitions completed:			

Date: _____ Engineer: _____

Date: _____ Engineer: _____		
UNDERGROUND SERVICES CHECKED -		
SERVICE	DATE	SIGNATURE
S.W DRAINS		}
SEWERS		
WATERMAINS		}
TELKOM CABLES		
ELECTRIC CABLES		}
S.A.R CABLES		
E.S.C CABLES		
OIL PIPE LINE		

NOTE: Only underground services affected by new construction are shown. Care must be taken during excavations for road foundations, trenches etc., to avoid damage to underground services such as sewers, drains, cables, watermains and connections. Wherever possible these must be located before work begins.

Contract No.	XXX
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Project No	S_0XXX_001
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Planning Unit

Ward No	
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Project Title
ETHEKWINI WATER & SANITATION PROVISION OF WATER & SANITATION SERVICES TO INFORMAL SETTLEMENTS IN ETHEKWINI - PHASE 3

Drawing Title
BANTUVUKANI PRIMARY SCHOOL
TYPE: 2D ABLUTION BLOCK
LAYOUT SECTION AND DETAILS

Drawing No.	Sheet	Rev.
S-0XXX-001-VUV A-010-004	1 of 1	T0