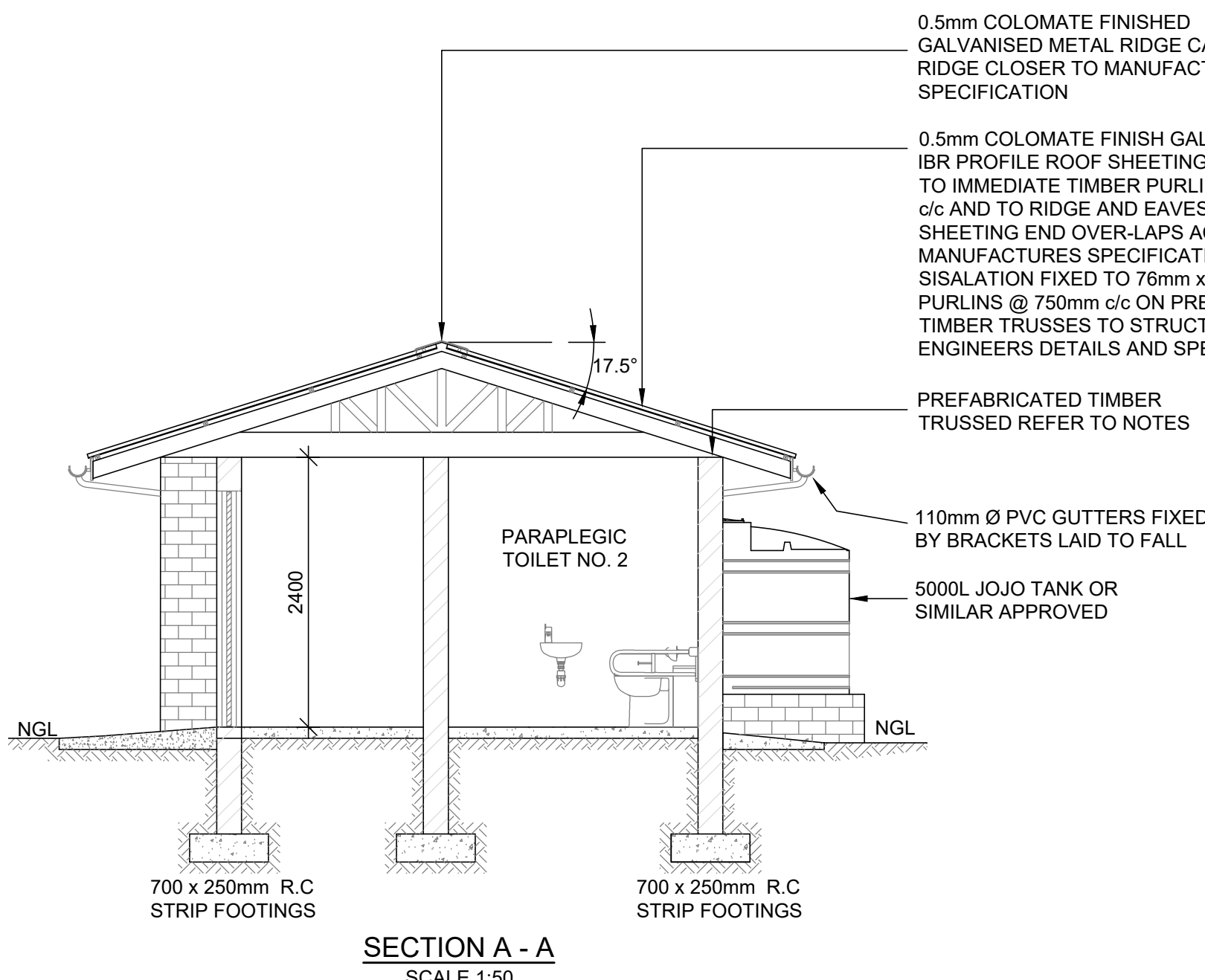
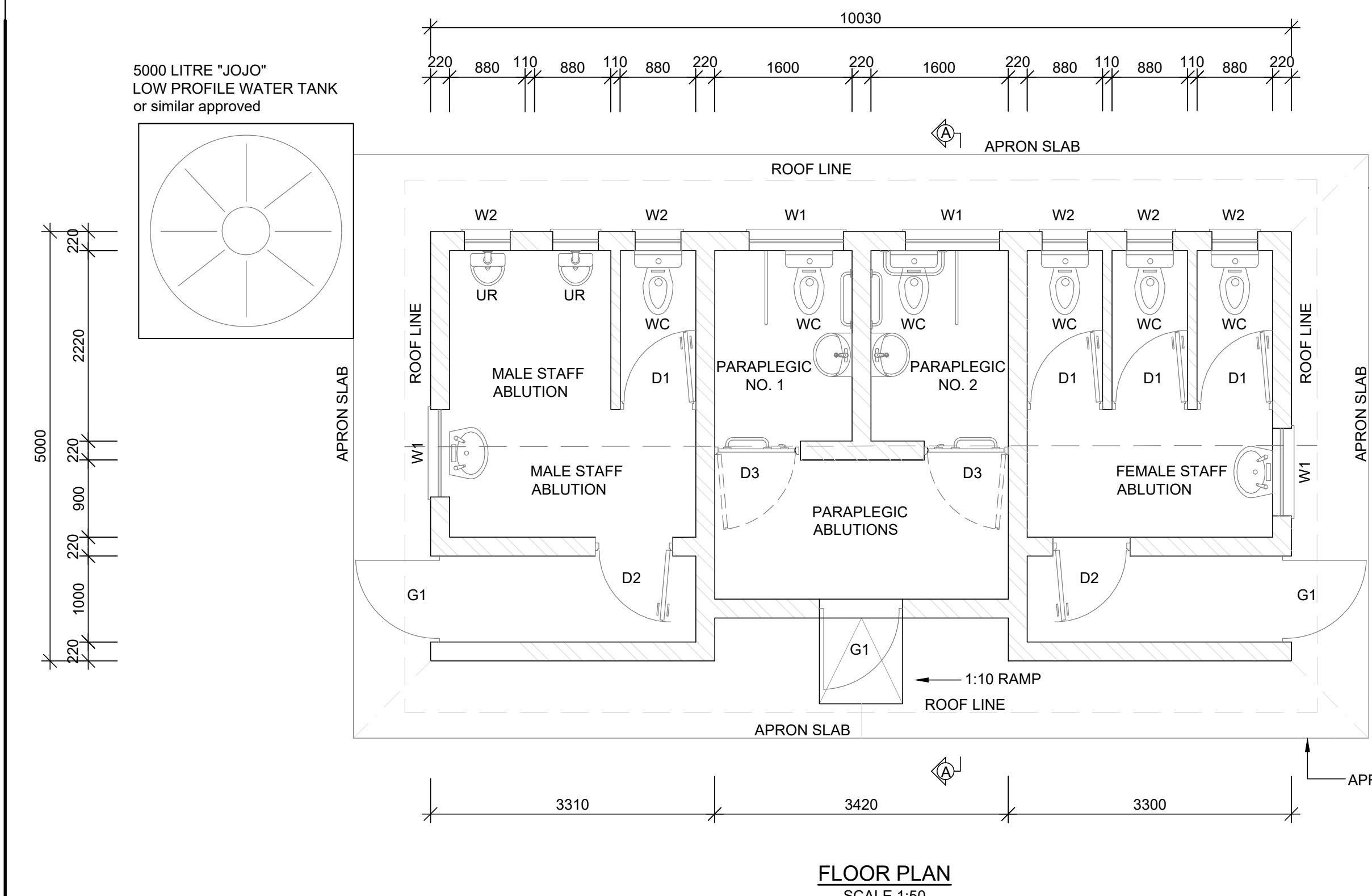
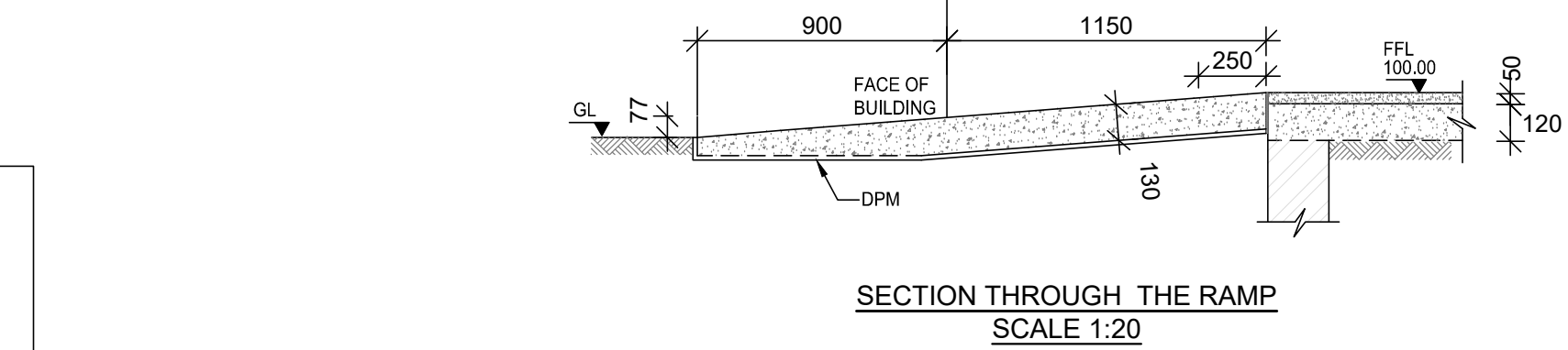
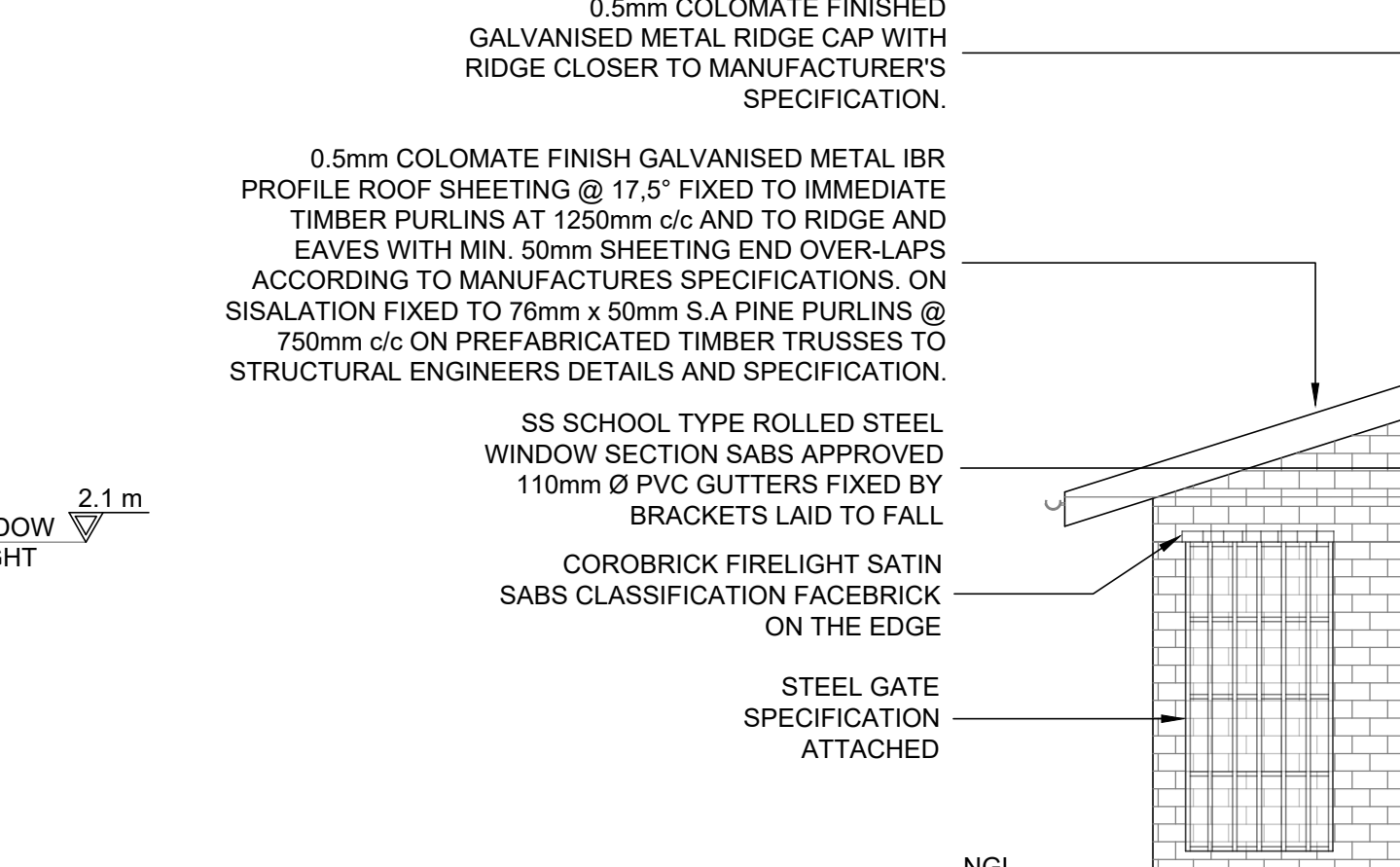
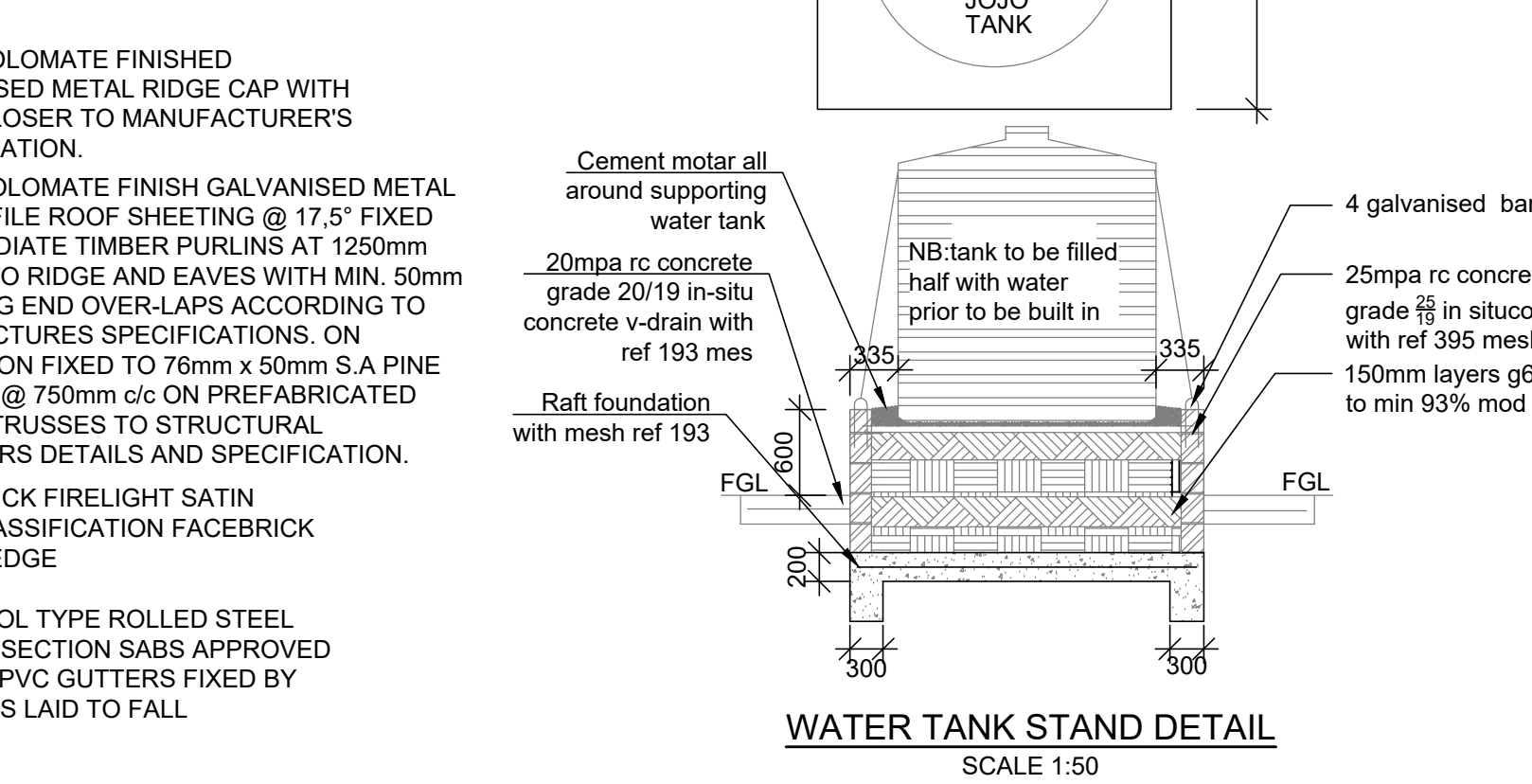
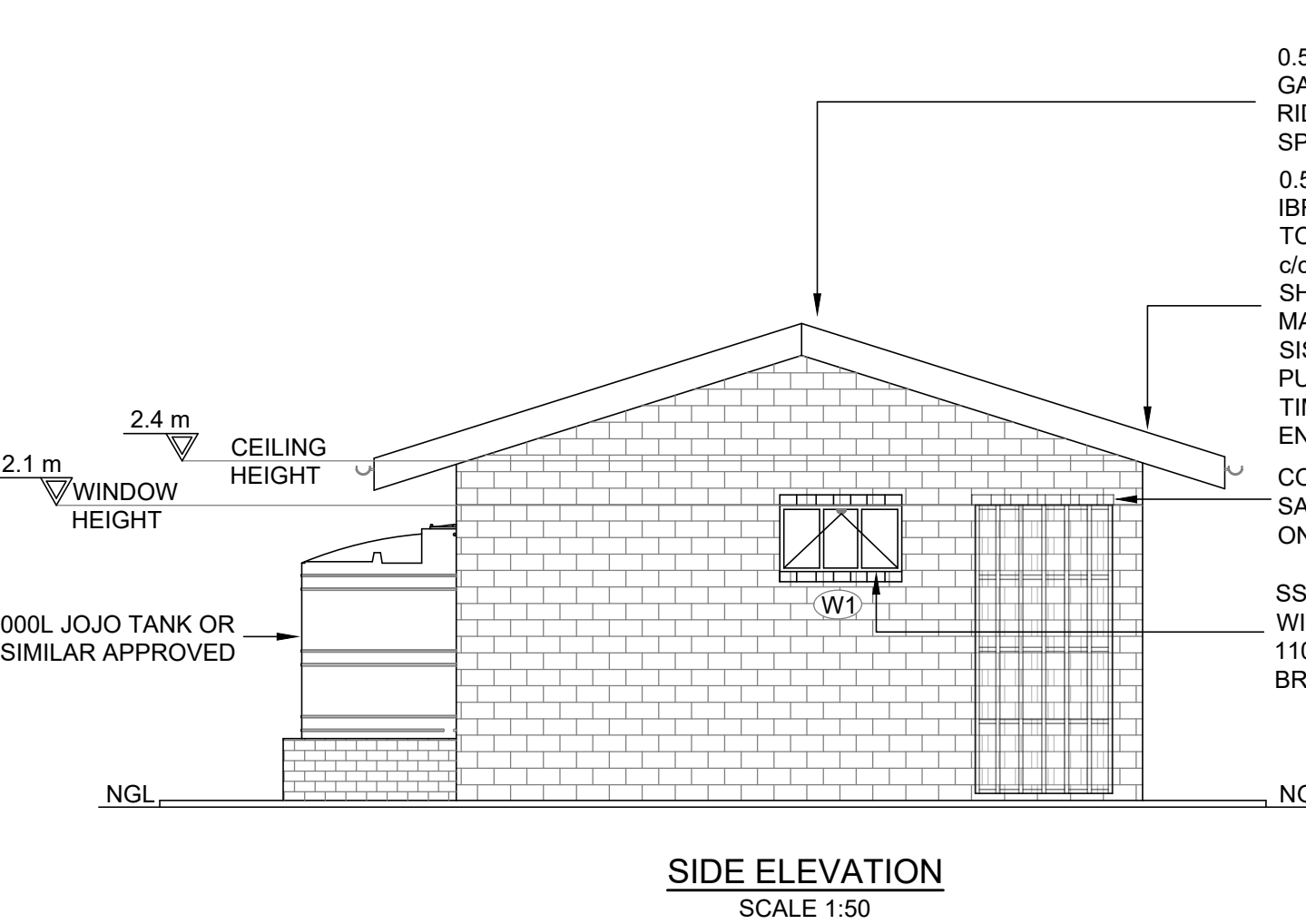
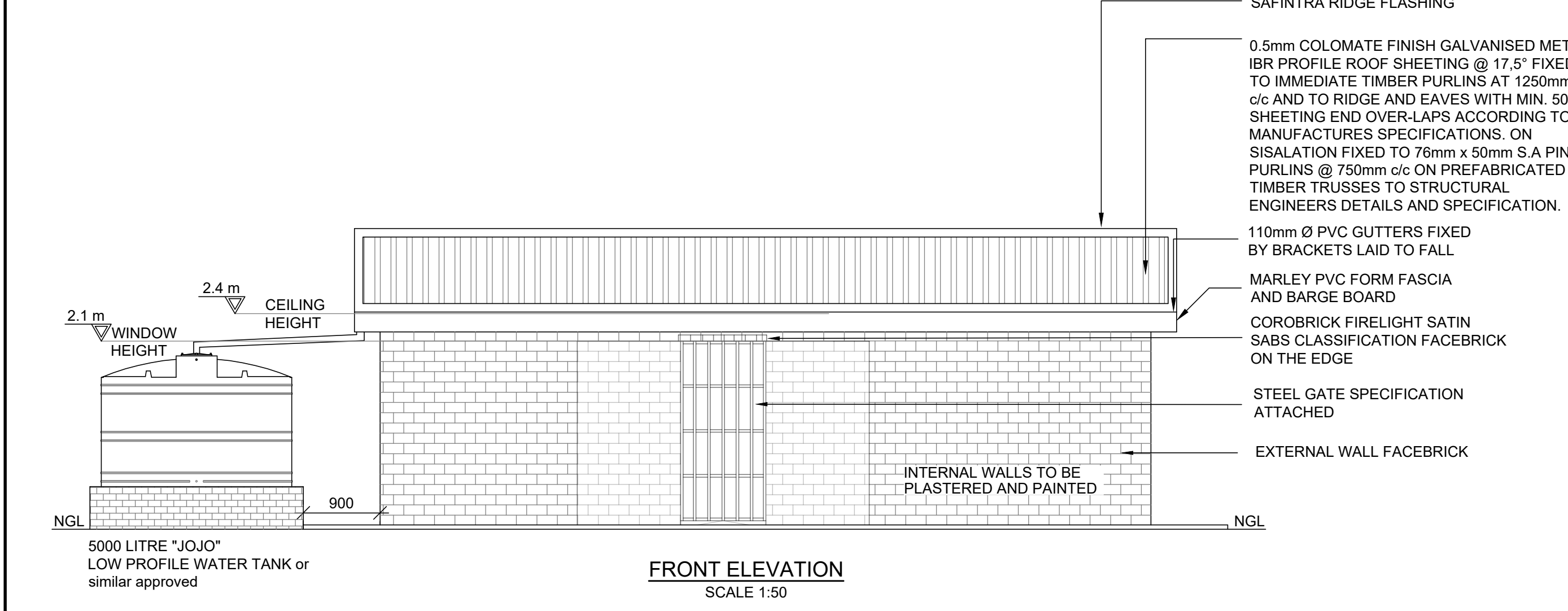
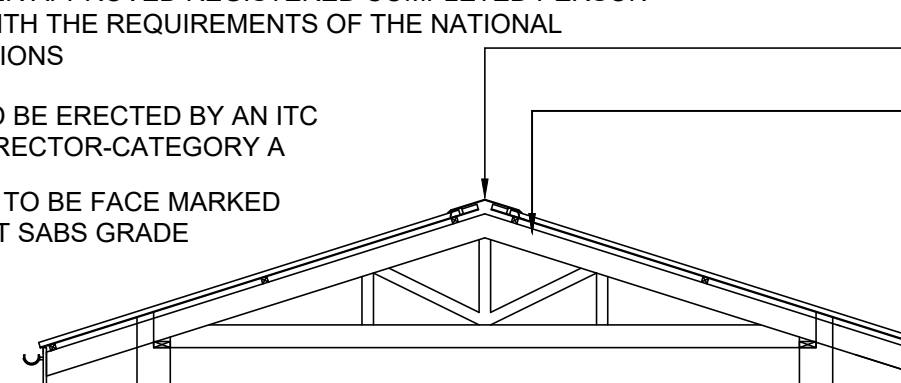


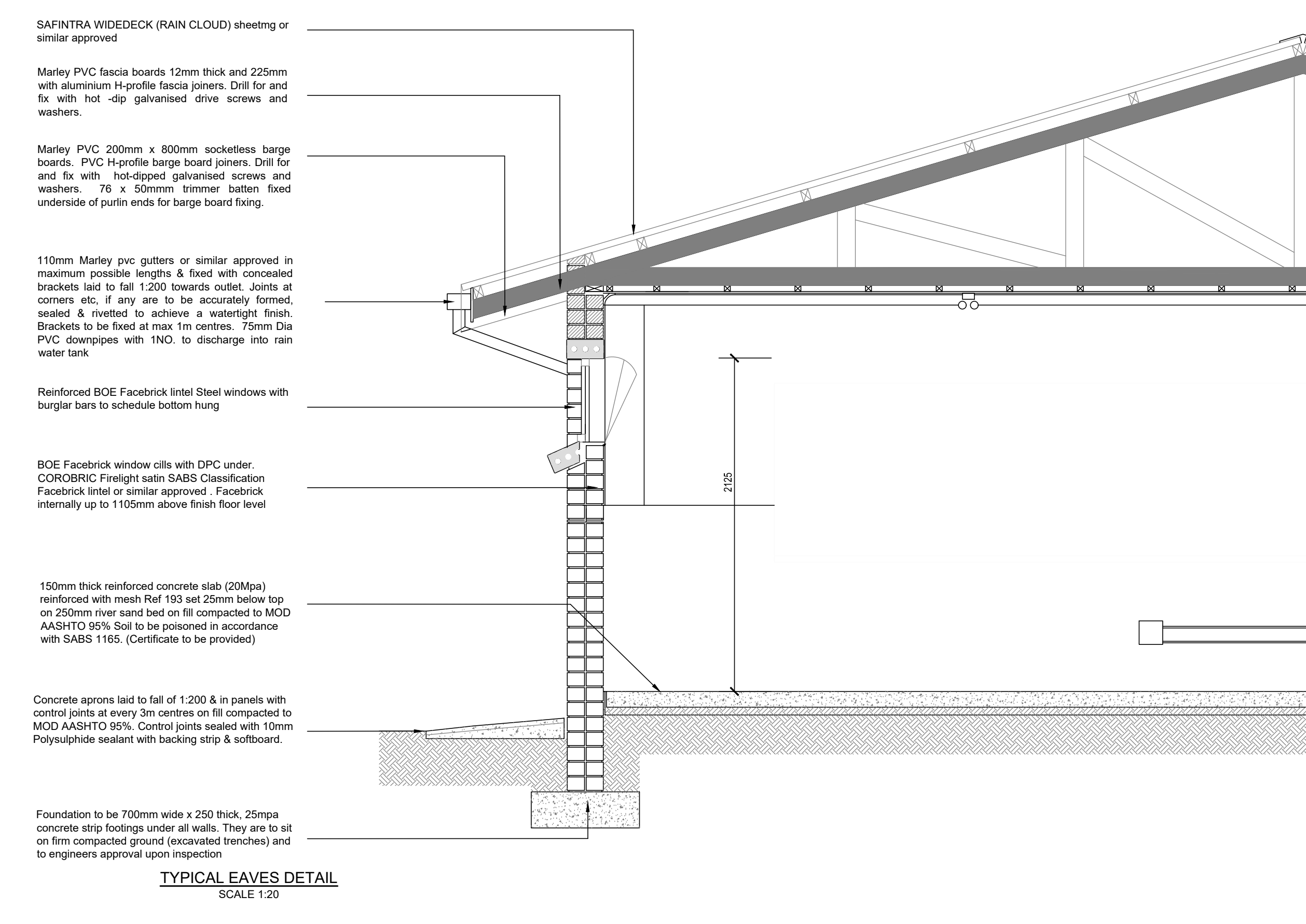
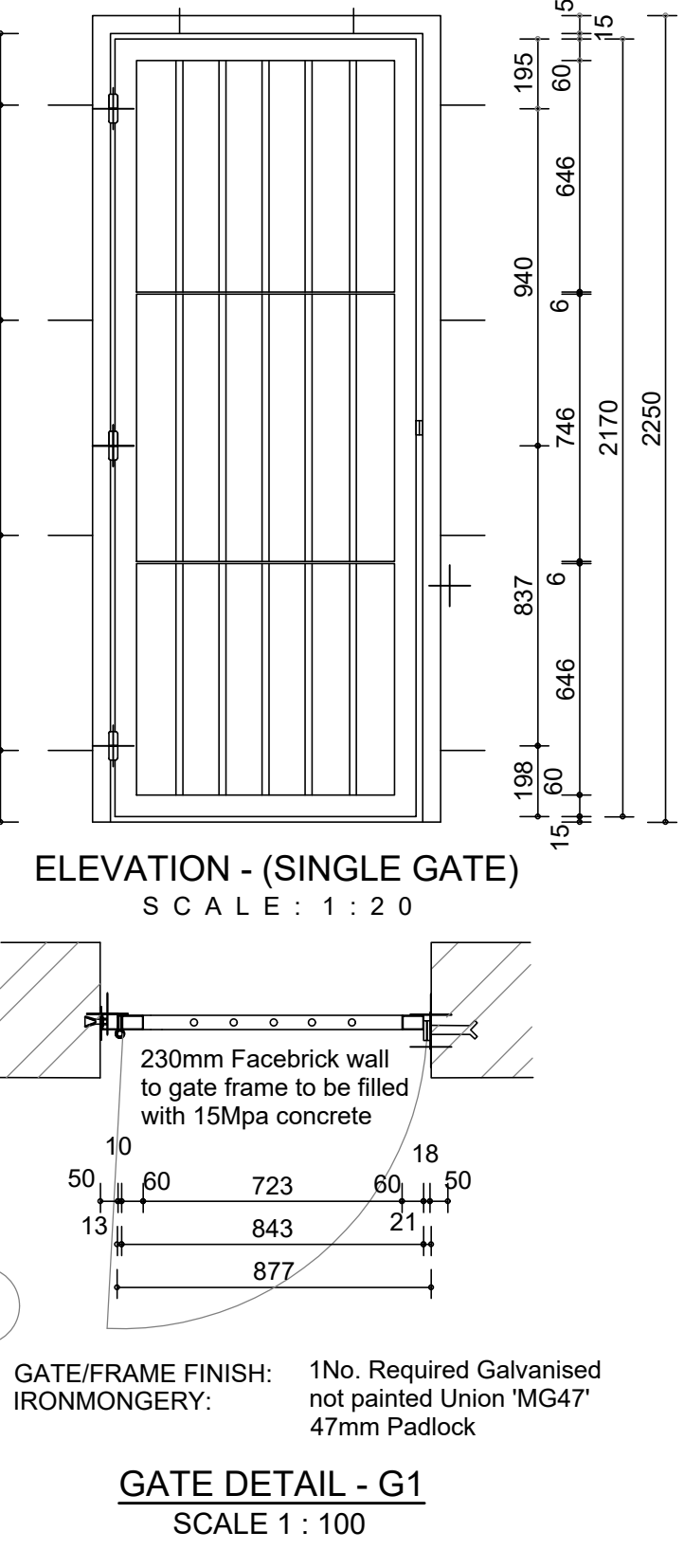
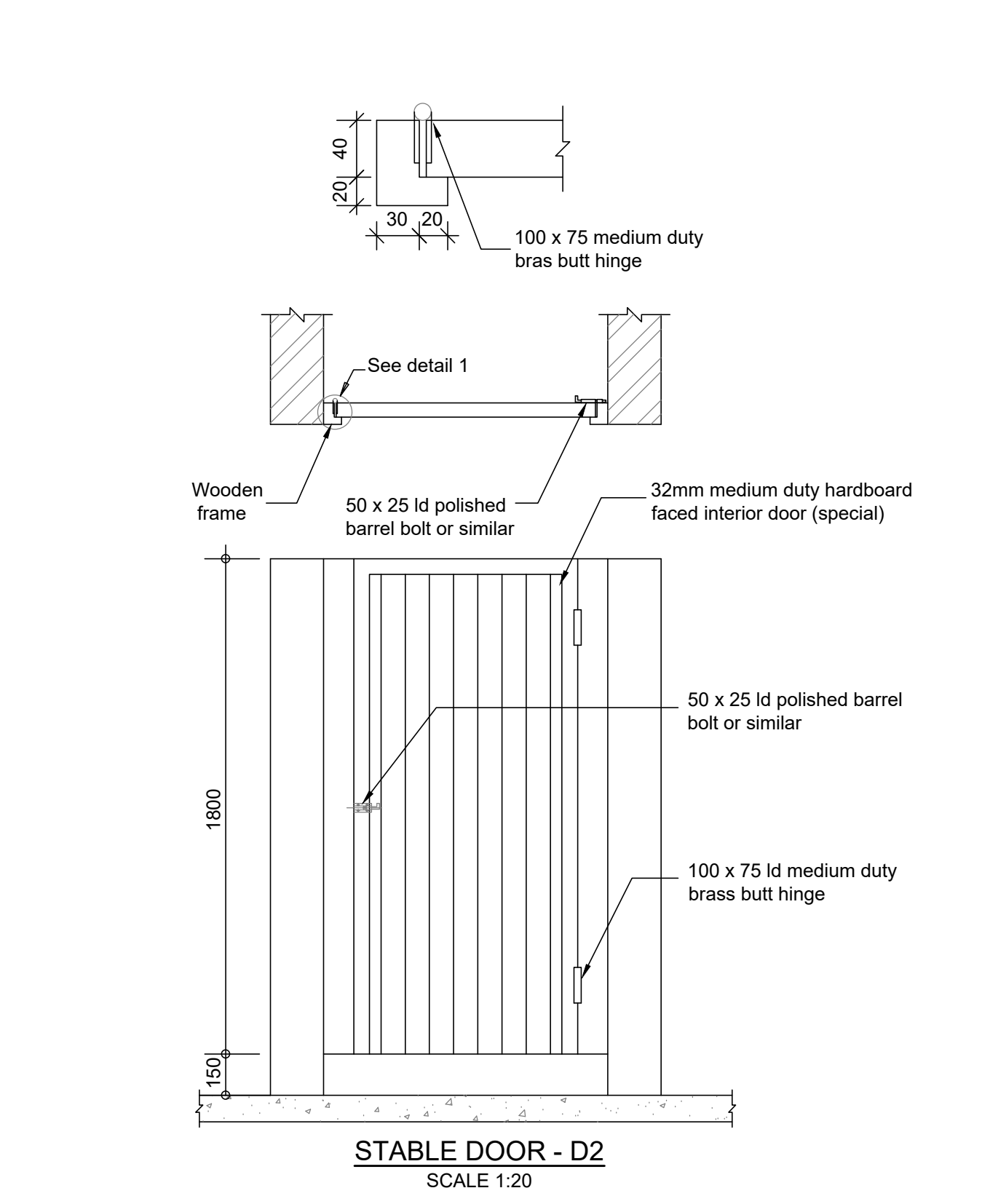


THIS ROOF STRUCTURE MUST BE INSPECTED BY A PROFESSIONAL ENGINEER OF OTHER APPROVED REGISTERED COMPLETED PERSON IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BUILDING REGULATIONS

THIS ROOF SHOULD BE ERRECTED BY AN ITC CERTIFIED ROOF ERECTOR-CATEGORY A ALL TRUSS TIMBER TO BE FACE MARKED WITH THE CORRECT SABS GRADE



DOOR SET & WINDOW SCHEDULE	
SCALE 1:60	
TYPE: D2 FRAME: 12mm galvanised pressed metal 1 No. frame suitable for 200mm 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 brace. D FINISH: Wood prime, one coat undercoat and two coats glass. IRONMONGERY: LOOKS DORMA D036S Euro-profile cylinder sash lock SS HANDLE DORMA CB30 Lever handle on rectangular Euro-cylinder backplate 61mm centre.	TYPE: W1 FRAME: 12mm galvanised pressed metal 1 No. frame suitable for 200mm 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 brace. D FINISH: Wood prime, one coat undercoat and two coats glass. IRONMONGERY: LOOKS DORMA D036S Euro-profile cylinder sash lock SS HANDLE DORMA CB30 Lever handle on rectangular Euro-cylinder backplate 61mm centre.



GENERAL NOTE:

- The implementing agent will give direction whether a pit will be sealed or un-sealed depending on the outcome of the ground water protocol.
- The contractor will be responsible for excavation the pit, whatever the ground conditions, his/her cost.
- All blocks to be nfx engineering blocks for the whole substructure.
- 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.
- The bottom of the pit will include a 500mm thick concrete base to ensure the pit is fully sealed.
- Central dividing walls must be constructed with fully mortared joints for the full depth.
- The outer wall of the pit must have a minimum thickness of 200mm
- The pit must be 1 course of bricks above the natural ground level.
- The slabs will be designed and approved by the implementing agent.
- The rain water harvesting tank must be equipped with a float valve and connected to the main water supply within the school yard, where it is available.
- Taps in all wash hand basin must be charlock pvc Pro.
- Close taps to ensure reliable water conservation, which must be able to close at minimum 15kpa pressure.
- Vent pipes to secured to the walls outside the ablution 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 Bambi I/drop (kiddie pan)
 - pipes from sinks & urinal outlets to soakaway pit (50mm pvc)
 - pipes from gutters to fill tank (75mm pvc)
 - pipe from tank to sinks (15mm polycop) fitting to be done internally

CONSTRUCTION NOTES

- FOUNDATIONS**
 - Foundation to be 700mm wide x 250 thick, 25 mpa concrete strip footing under all walls.
 - They are to sit on firm compacted ground (excavated trenches) with a minimum of 700mm below ground level and to engineers approval upon inspection.
- BACKFILL**
 - 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.
- FLOORS**
 - All to Engineers detail and specification.
- WALLS**
 - All walls are to comply with "Part K" of the National Building Regulations.
 - COROBRIK COMMONS to be used where to receive plaster. COROBRIK ENGINEERING Bricks to be used below ground level in foundation walls.
 - 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).
 - External face of inner skin to be painted bitumen paint. 375 micron embossed damp-proof membrane stepped below all window cills.
 - Where plaster is required internally (13 - 16mm thick) ratio must be 1:5 cement:sand mix. Beam filling to underside of roofing sheets.
 - Contact joints to be provided in accordance with engineers specifications & must be sealed with 12mm deep polysulphide sealant with backing strip and impregnated softboard.
 - All internal brickwork to have brickforce at every third course of brickwork.
 - All founding and / or retaining wall to Structural Engineers details.
 - P.C. lintols to be installed over all new openings wheres walls to be plastered and painted.
 - All Facebrick on edge lintols strictly to eng. detail
- ROOF**
 - Safintra 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.
 - The sheeting shall be Widedek trapezoidal type profile as manufactured by Safintra Roofing.
 - The profile shall be roll-formed with 5 trapezoidal ribs at 191mm centres with a nett cover of 760mm.
 - The rib height shall be 29mm and shall be fixed in accordance with the manufacturer's recommendations
 - Widedek sheeting the recommended minimum pitch for slopes in excess of 15m is 10° and for slopes less than 15m is 7.5°
 - Widedek sheeting can be ordered in any length, subject to transport limitations up to 13,2m . Longer lengths require special transport arrangements.
 - 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

ETHEKWINI WATER AND SANITATION



DESIGN BRANCH

SUB CONSULTANT

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	A.XOZWA	
DRAWING CHECKED BY	S.MBUTHUMA	
APPROVAL - CONSULTANT		
NAME	S.MBUTHUMA	
DATE	PROF REG No.	2018300301
SCALE	AS SHOWN	SHEET SIZE A0

CONSTRUCTION INFORMATION	
MAIN LAYER	
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
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NOTE: No construction work to commence until land and servitude acquisitions have been completed

Acquisitions completed:

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.	WS670
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Project No.	S_0265_001
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Planning Unit

Ward No.

Project Title
ETHEKWINI WATER & SANITATION
PROVISION OF WATER & SANITATION SERVICES TO INFORMAL SETTLEMENTS IN ETHEKWINI - PHASE 3

Drawing Title
LAMBOTHI SECONDARY SCHOOL
TYPE:3M 3F 2D ABLUTION BLOCK
LAYOUT SECTION AND DETAILS

Drawing No.	S-0265-001-VUV_A-010-003	Sheet	Rev.
		1 of 1	B

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