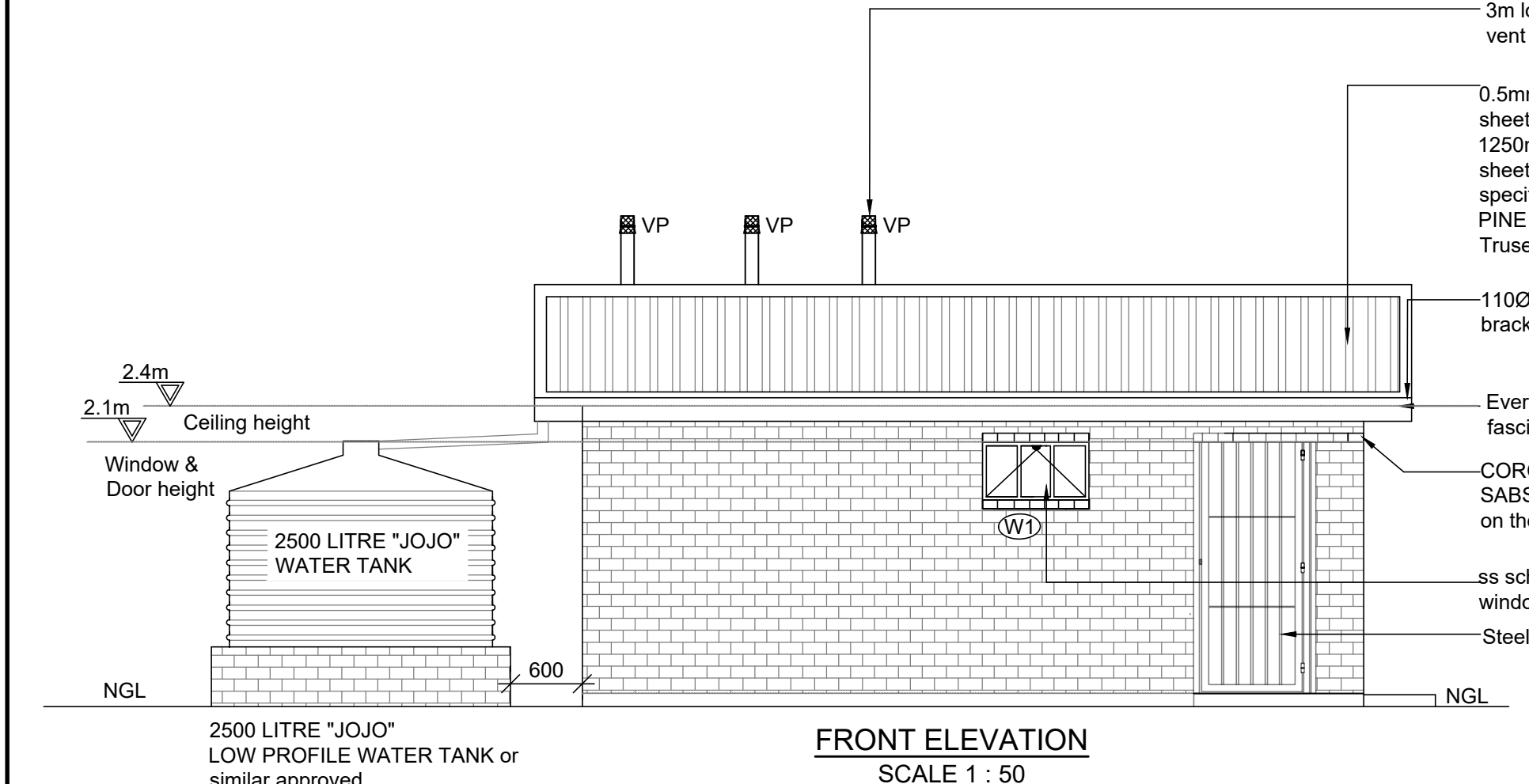
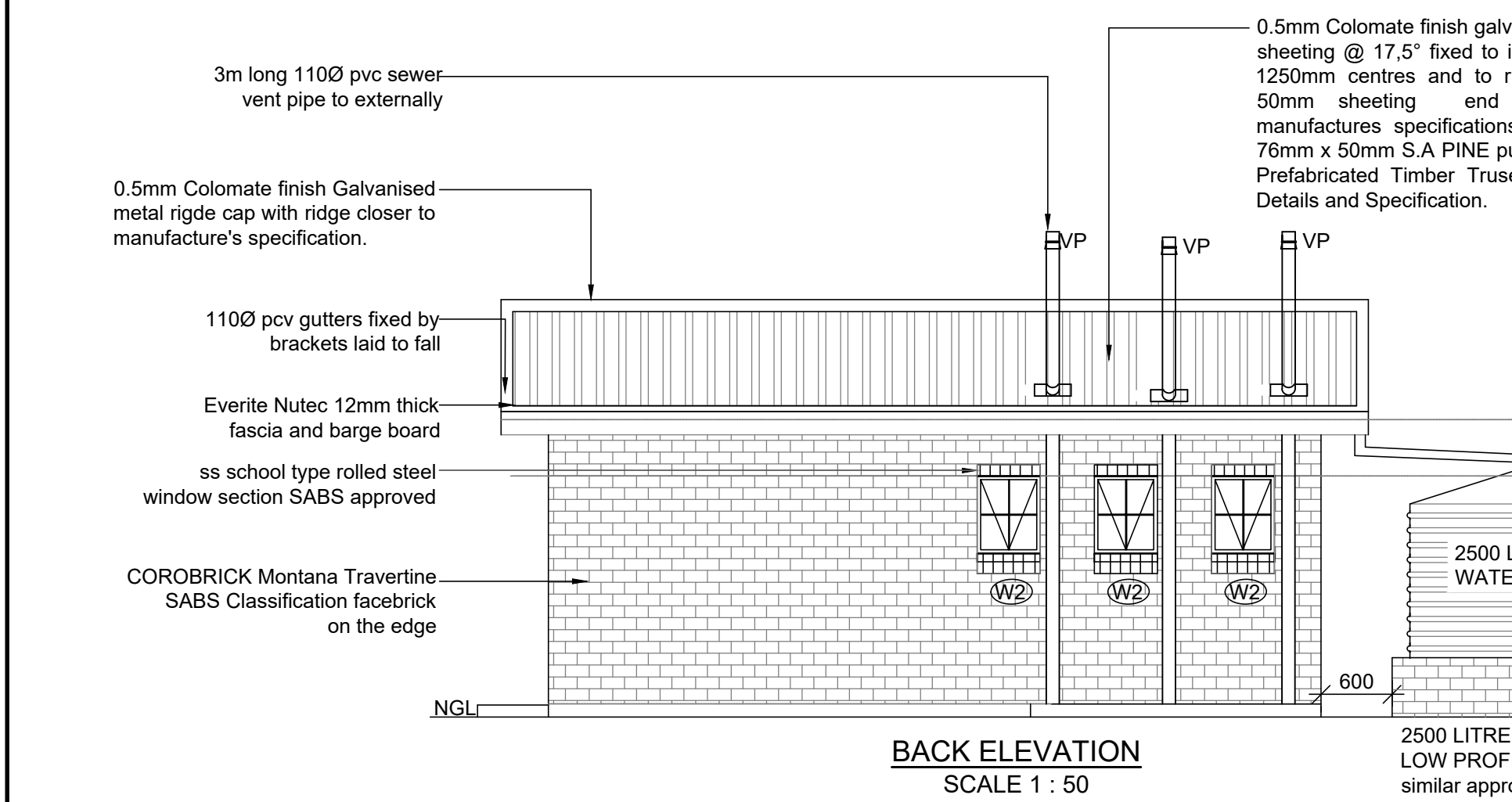
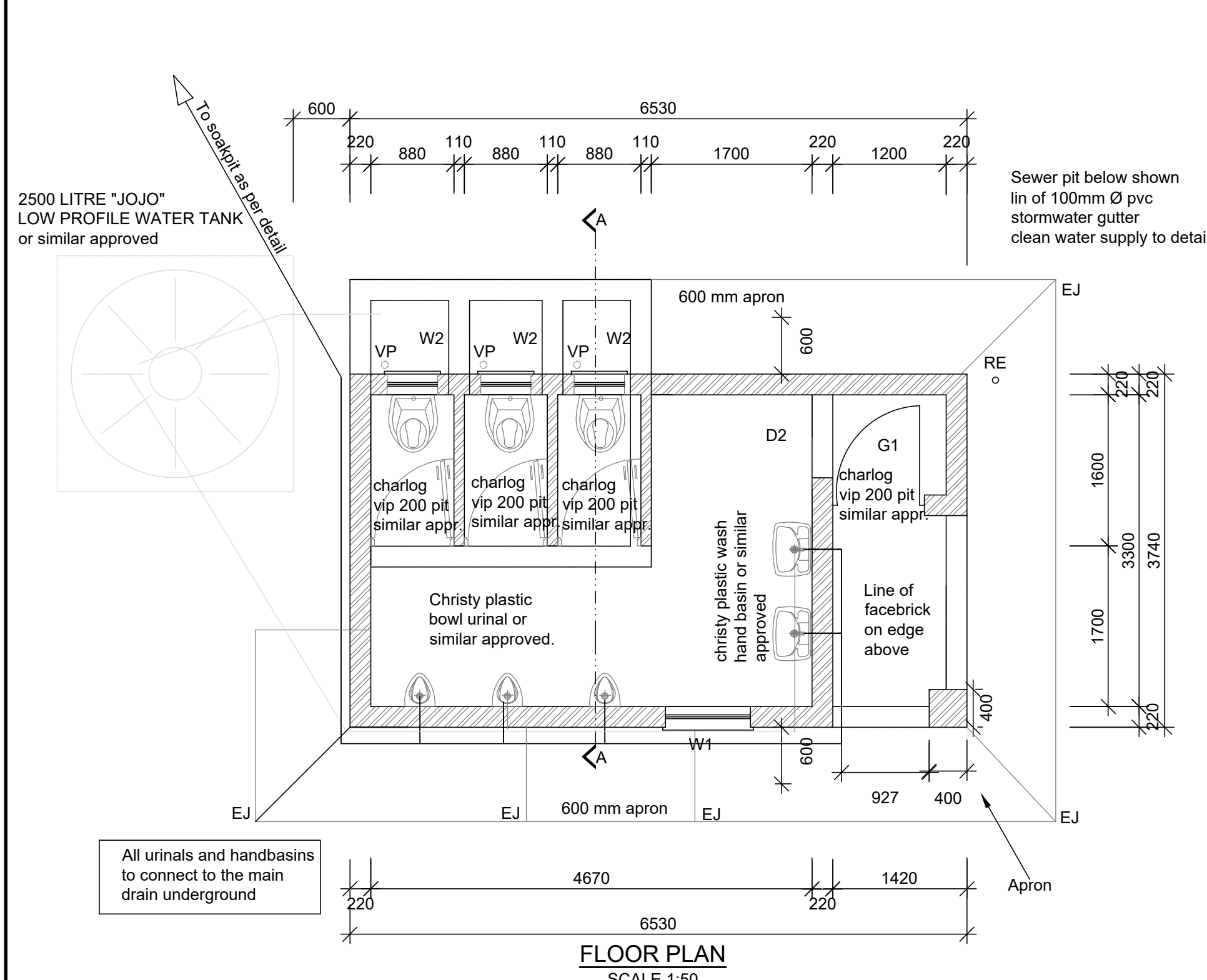


GENERAL NOTE:

- 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 of the pit, whatever the ground conditions, his/her cost.
- All blocks to be rix 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 flood valve and connected to the main water supply within the school yard, where it is available.
- Taps in all wash hand basin must be charcoal pvc Pro.
- Close laps to ensure reliable water conservation, which must be able to close at minimum 15kpa pressure.
- Vent pipes to be 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 (drip kiddy pan).
 - pipes from sinks & urinal outlets to soakaway pit (50mm pvc)
 - pipes from gutters to fill tank (75mm pvc)
 - pipe form tank to sinks (15mm polycop) fitting to be done internally

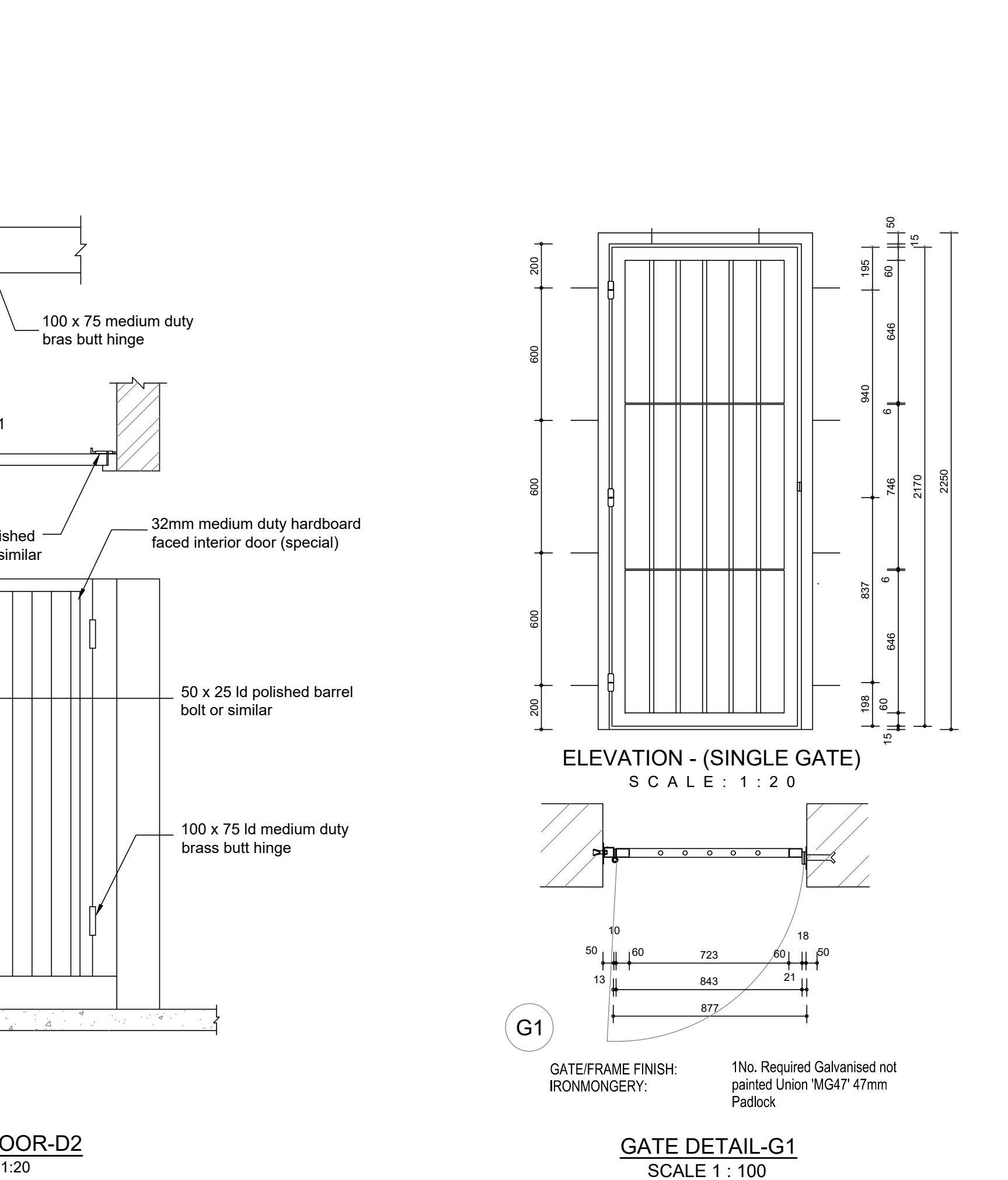
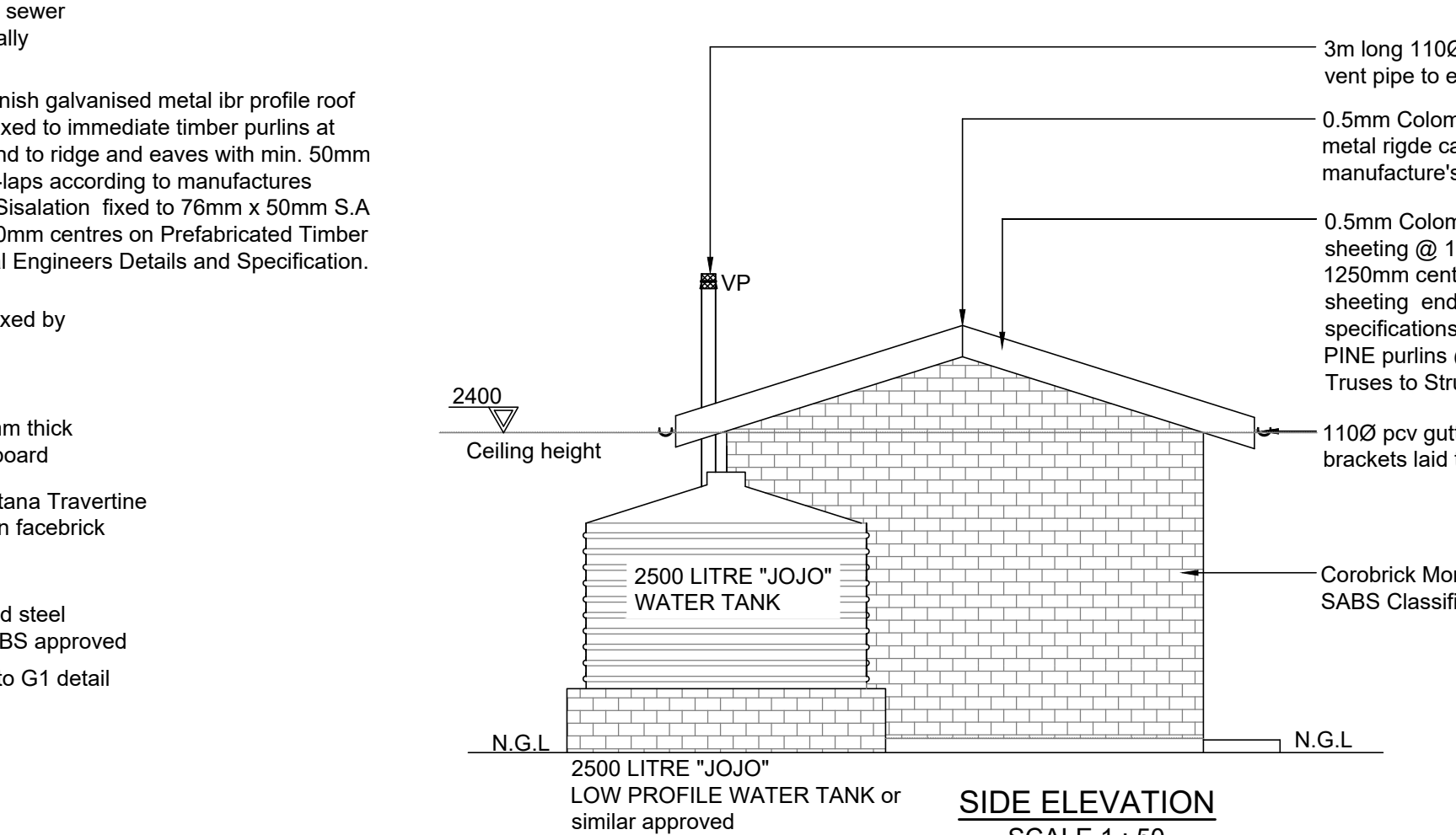
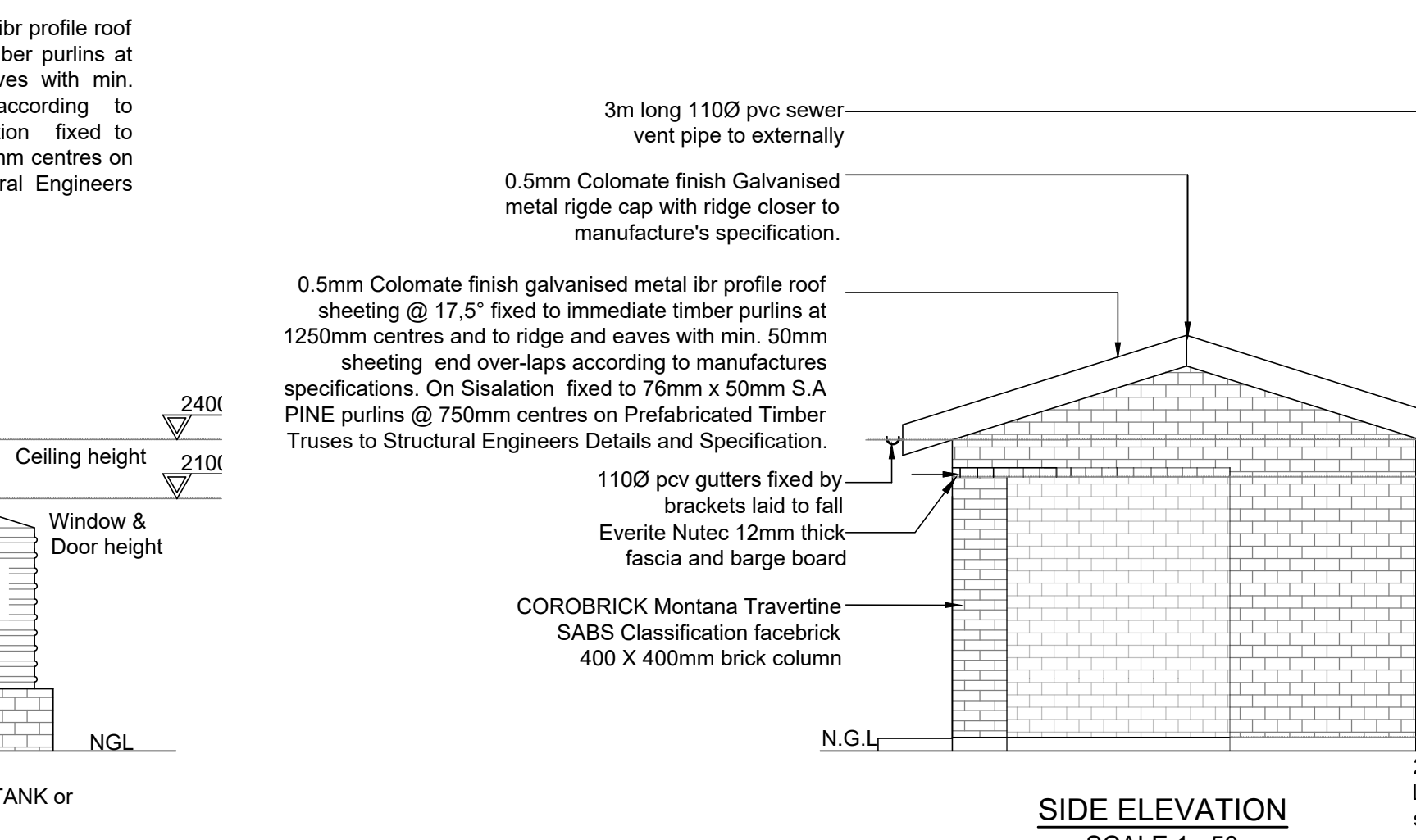
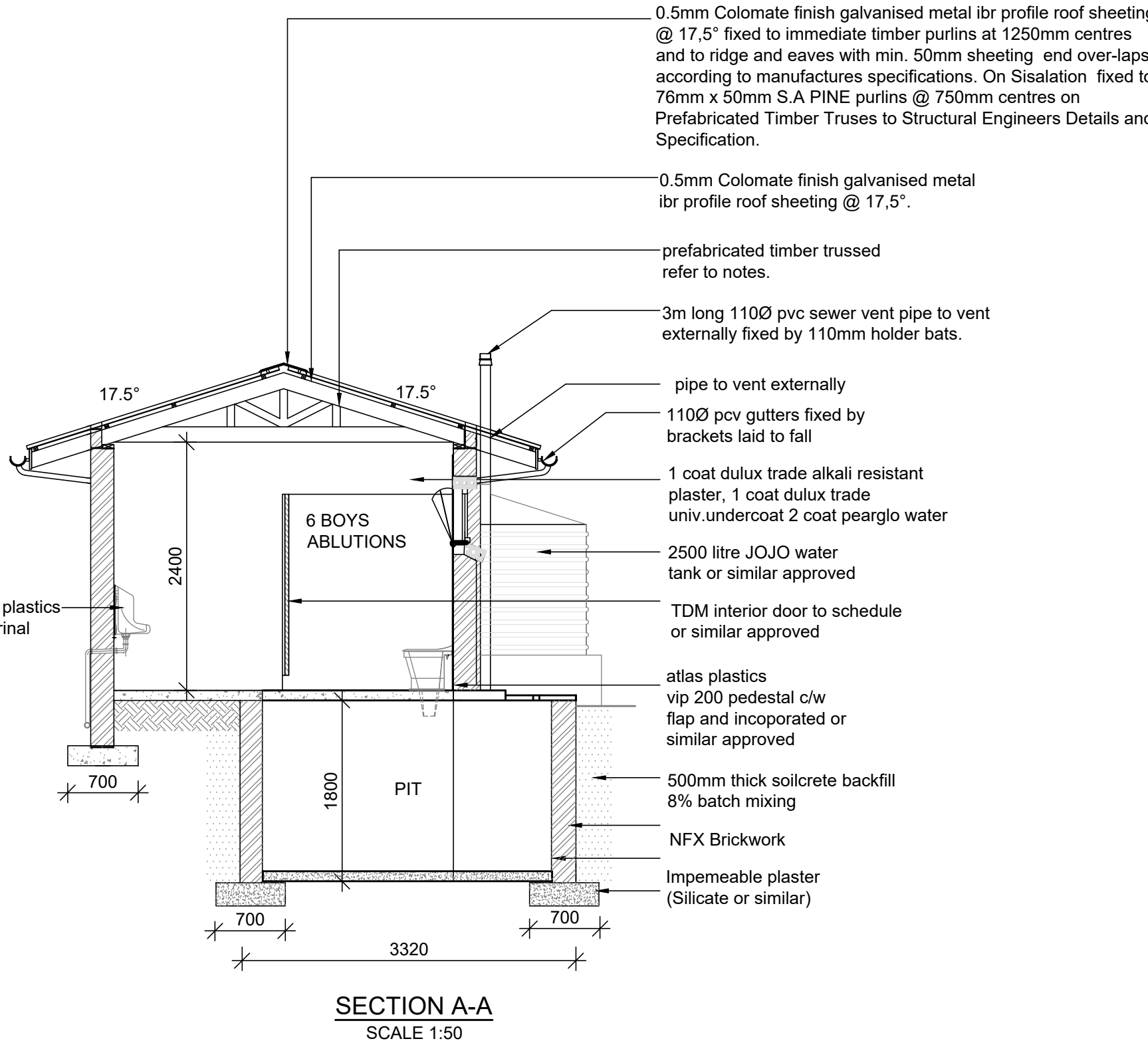
CONSTRUCTION NOTES

- 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) 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 sills.
 - Where plaster is required internally (13 - 16mm thick) ratio must be 1:5 cement:sand mix. Beam filling to underside of roofing sheets.
 - Control 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 whereas walls to be plastered and painted.
- All Facebrick on edge lintols strictly to eng. detail.**
- ROOF**
 - Safintra 0.5mm thick AZ150ZnAl Widesdek profile roof sheeting, fixed to intermediate timber purlins at 1500mm centres and to ridge and eaves purlins at 1350mm centres, 12x55mm long class3 metal self drilling screws at every second crest all intermediate purlins and every crest at eaves purlins all in accordance with the manufacturer's recommendations.
 - The sheeting shall be Widesdek 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.
 - Widesdek sheeting the recommended minimum pitch for slopes in excess of 15m is 10° and for slopes less than 15m is 7.5°.
 - Widesdek sheeting can be ordered in any length, subject to transport limitations up to 13.2m. Longer lengths require special transport arrangements.

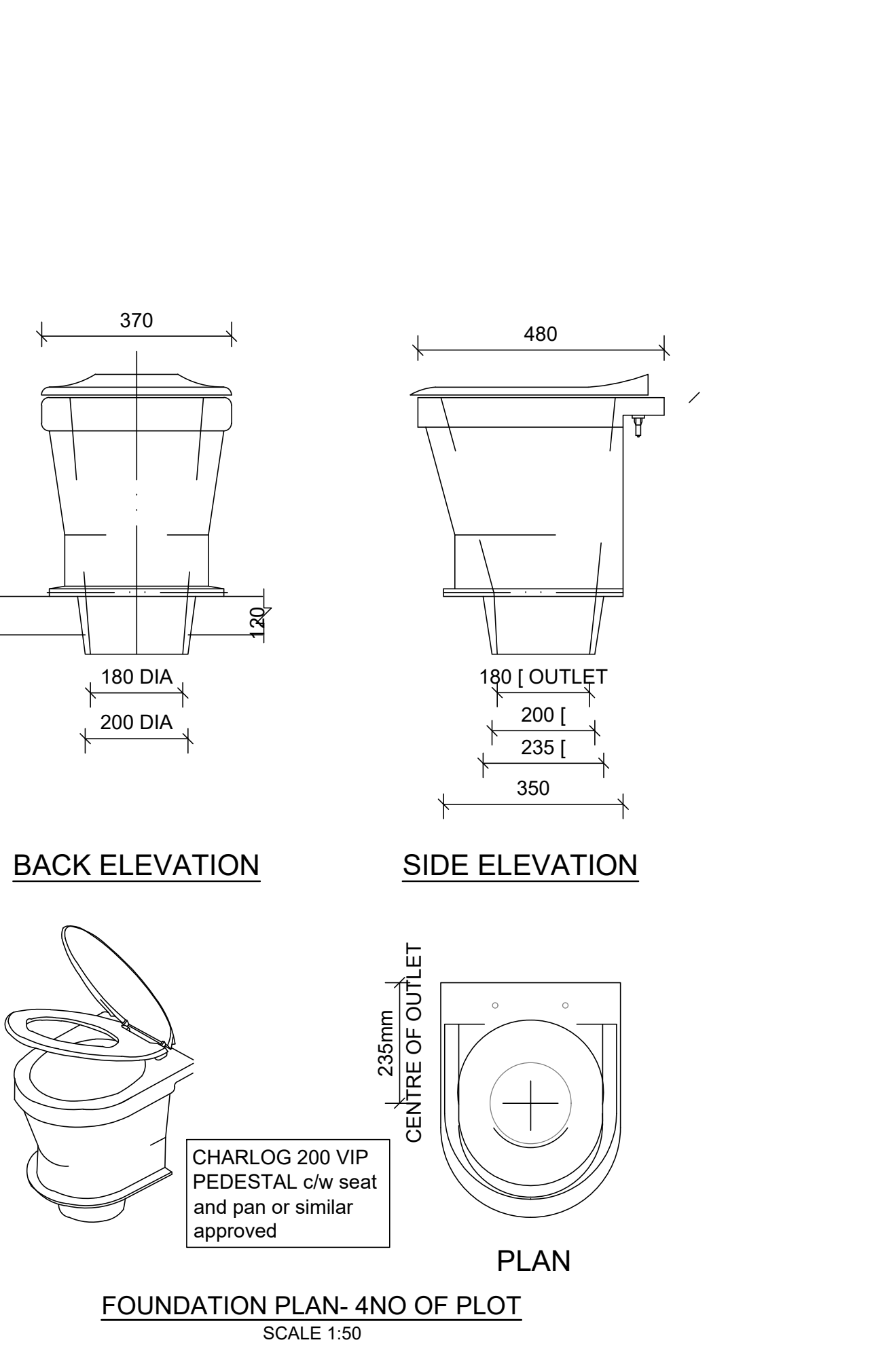
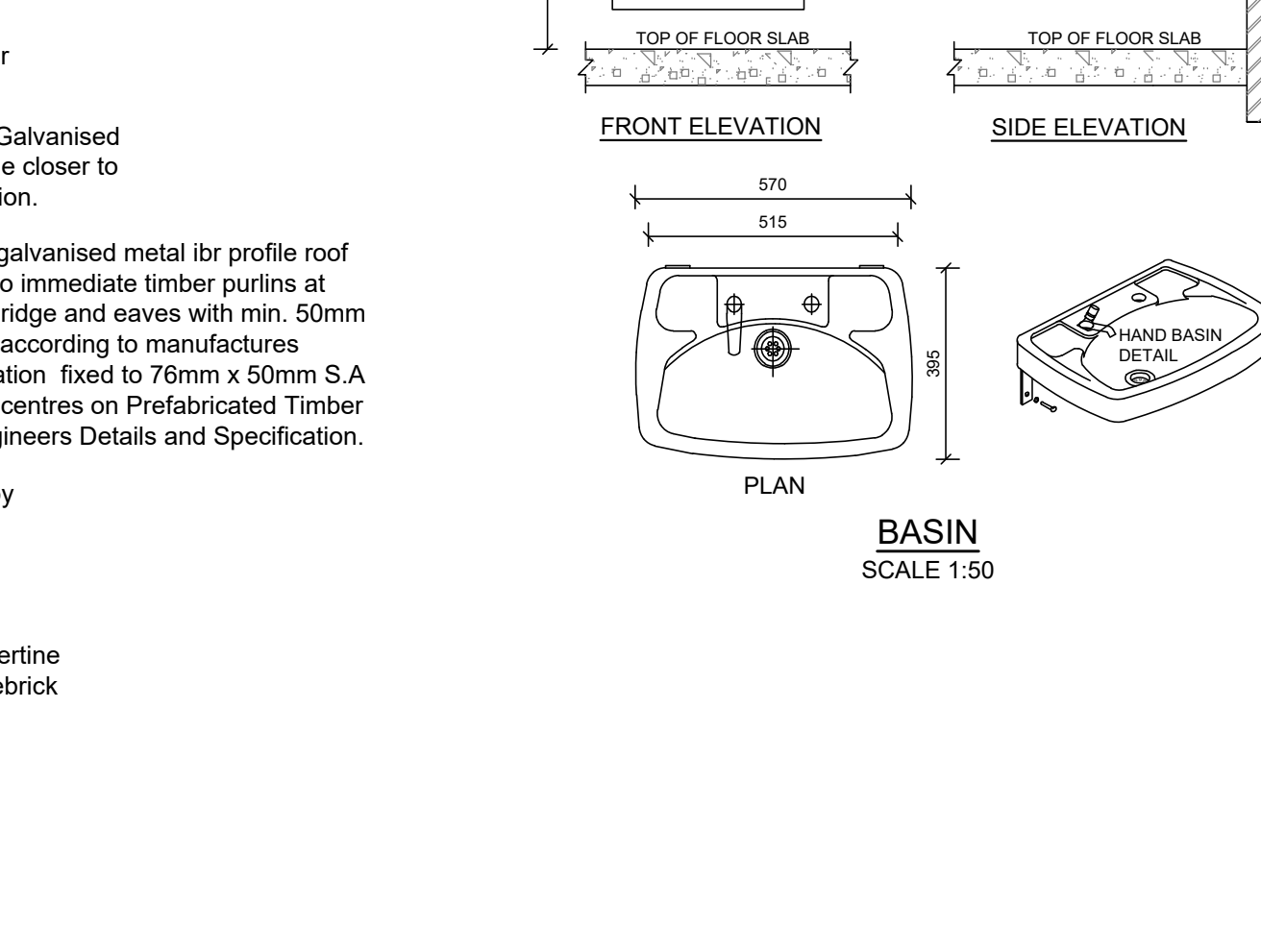
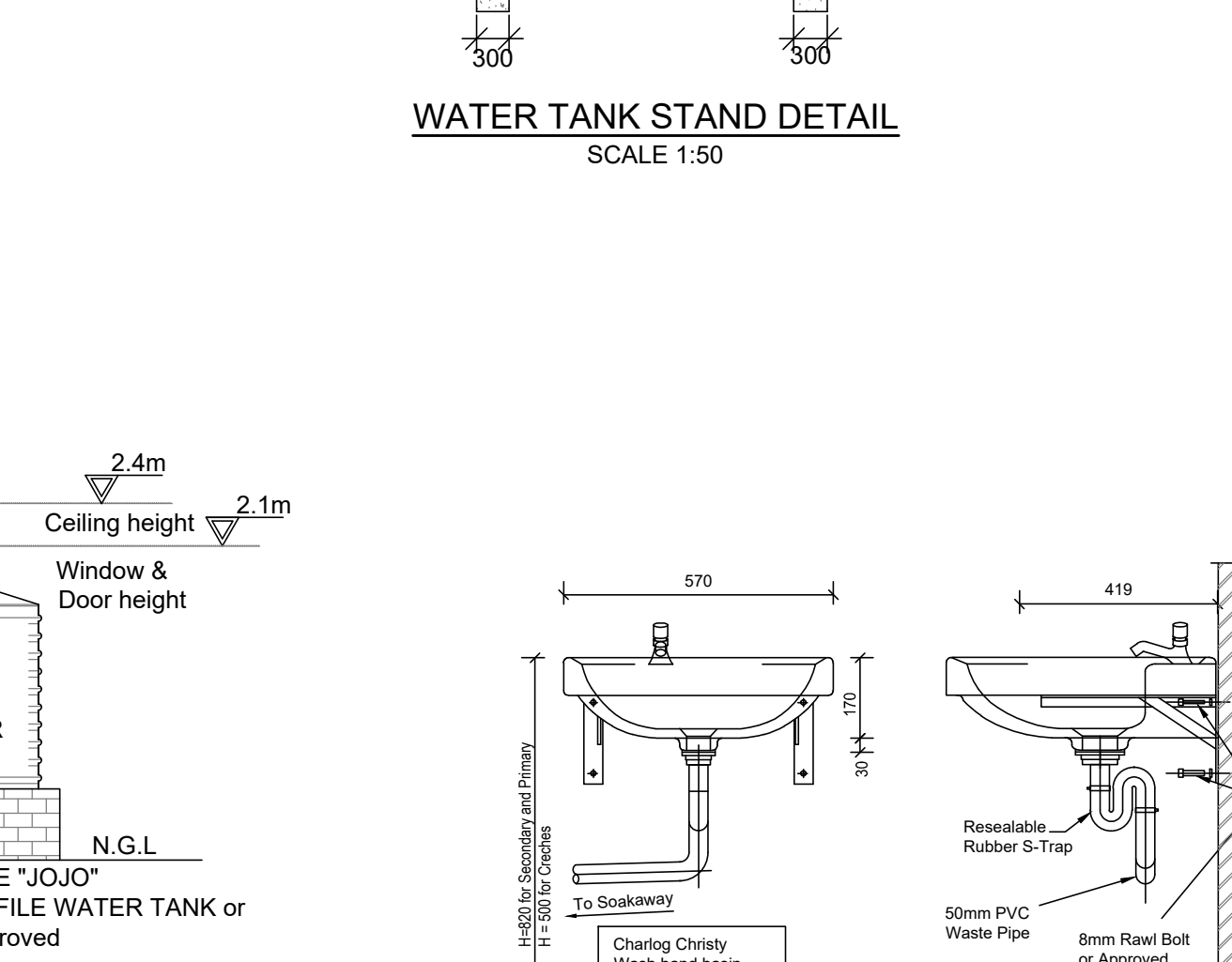
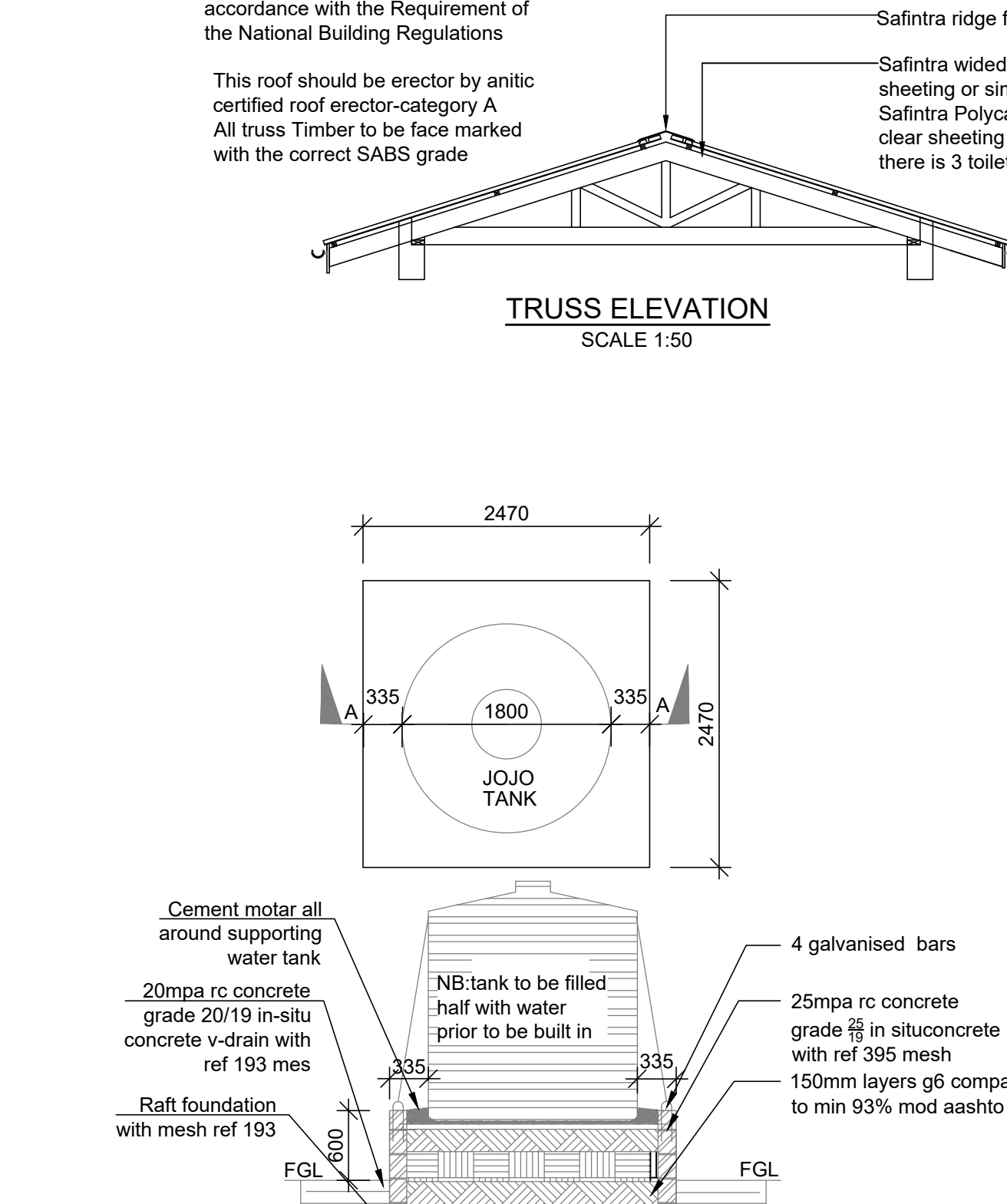


TYPE:	D2
FRAME:	1.2mm galvanised pressed metal 1 No. frame suitable for 230mm wall
F.FINISH:	Galvanized. Not painted.
DOOR:	2032x813x40mm TDM hardwood BB doors, SA Pine sub frame with double top and bottom rails, lounge and groove boarding in v. joint rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces.
D.FINISH:	Wood prime, one coat undercoat and two coats gloss
IRONMONGERY:	LOCKS: DORMA D036S Euro-profile cylinder sash lock SS HANDLE: DORMA CB30 Lever handle on rectangular Euro-cylinder backplate 61mm centre.
	u/s Lintel
	u/s Lintel
TYPE:	W1 No. Required: 2
FRAME:	Bottom hung SS school sandblasted glass puttied window sections. SABS approved
GLASS:	4mm sandblasted glass puttied in with steel window putty.
FITTING:	Approved standard brass fittings completed with window.
B. BARS:	8mmØ bars
FINISH:	Galvanized. No Painting required.
NOTES:	Courses adjacent to window jambs are to have cares filled allowing fixing lugs to be built-in

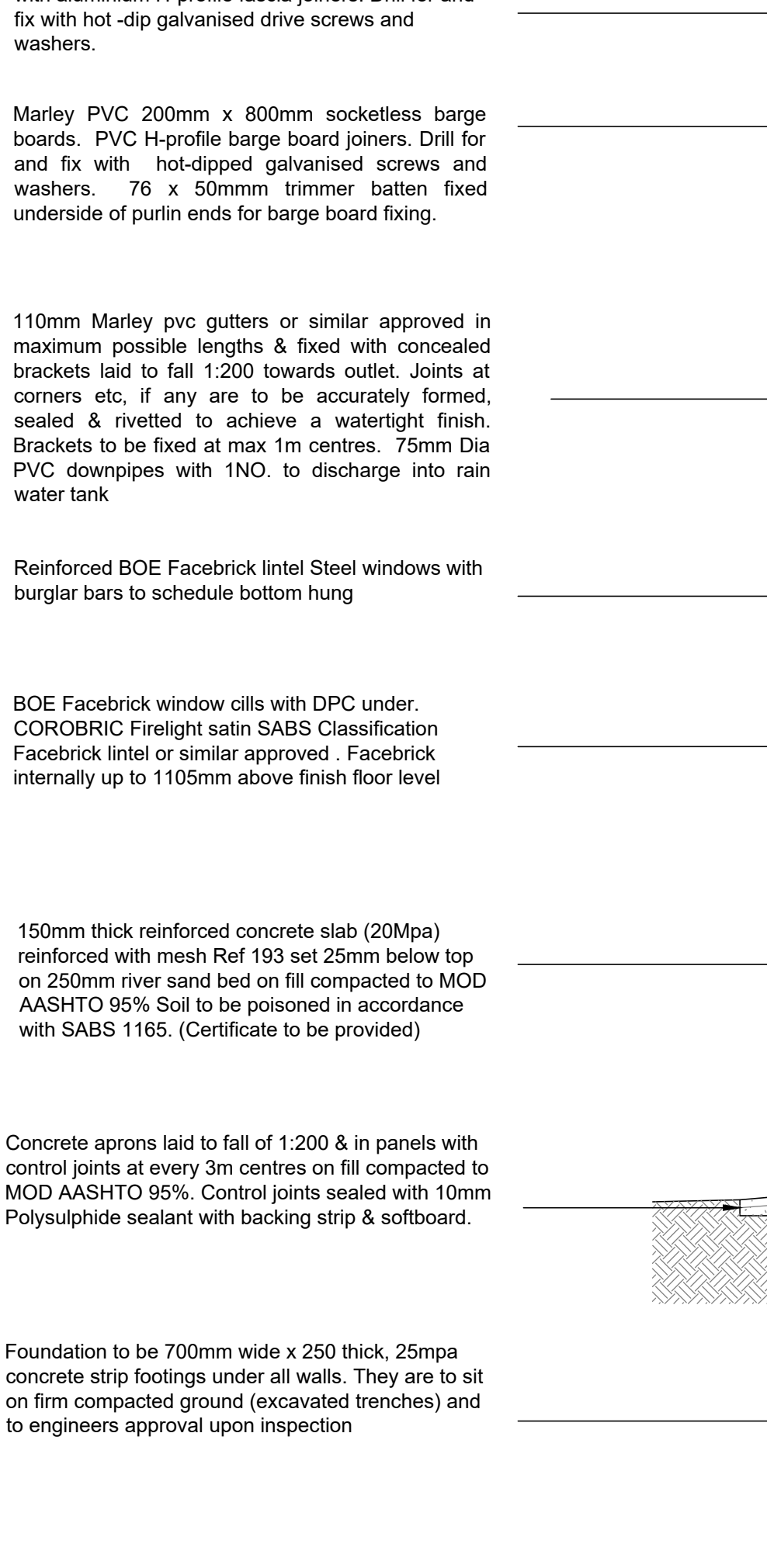
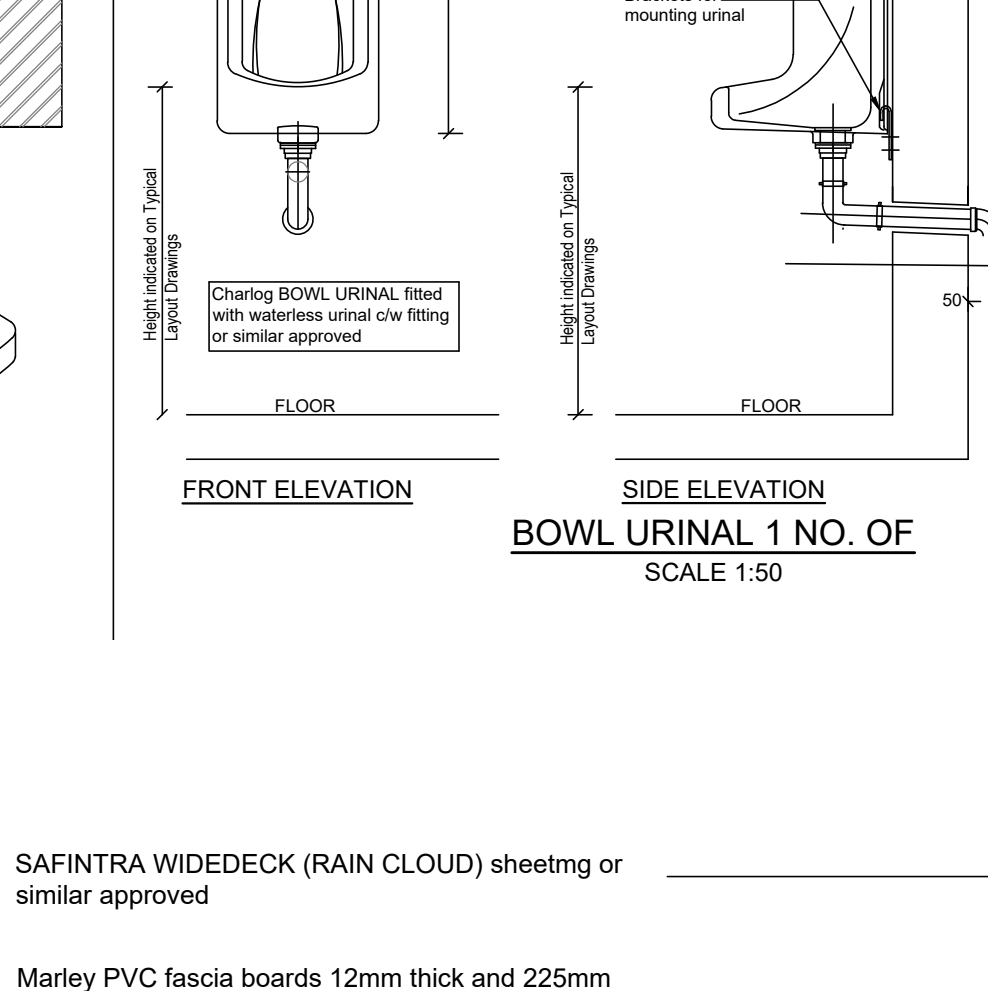
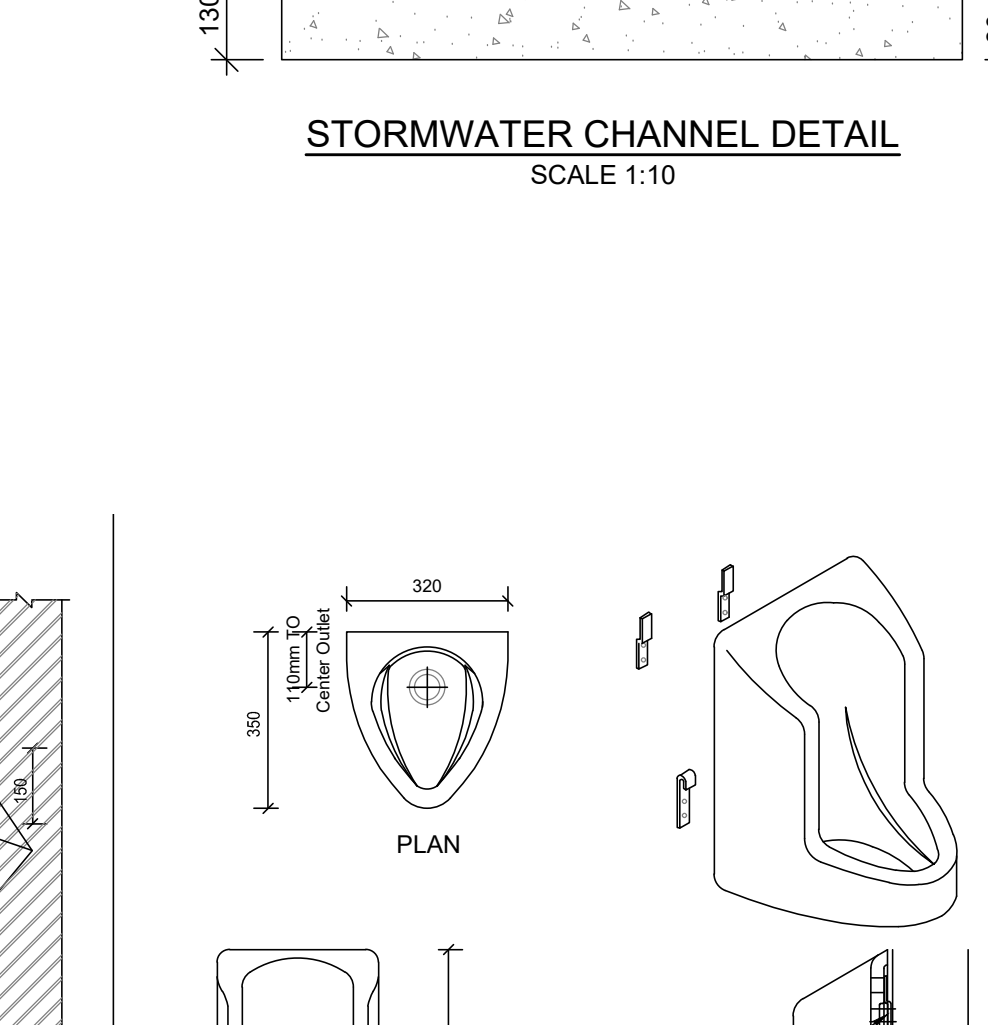
DOOR SET & WINDOW SCHEDULE
SCALE 1:50



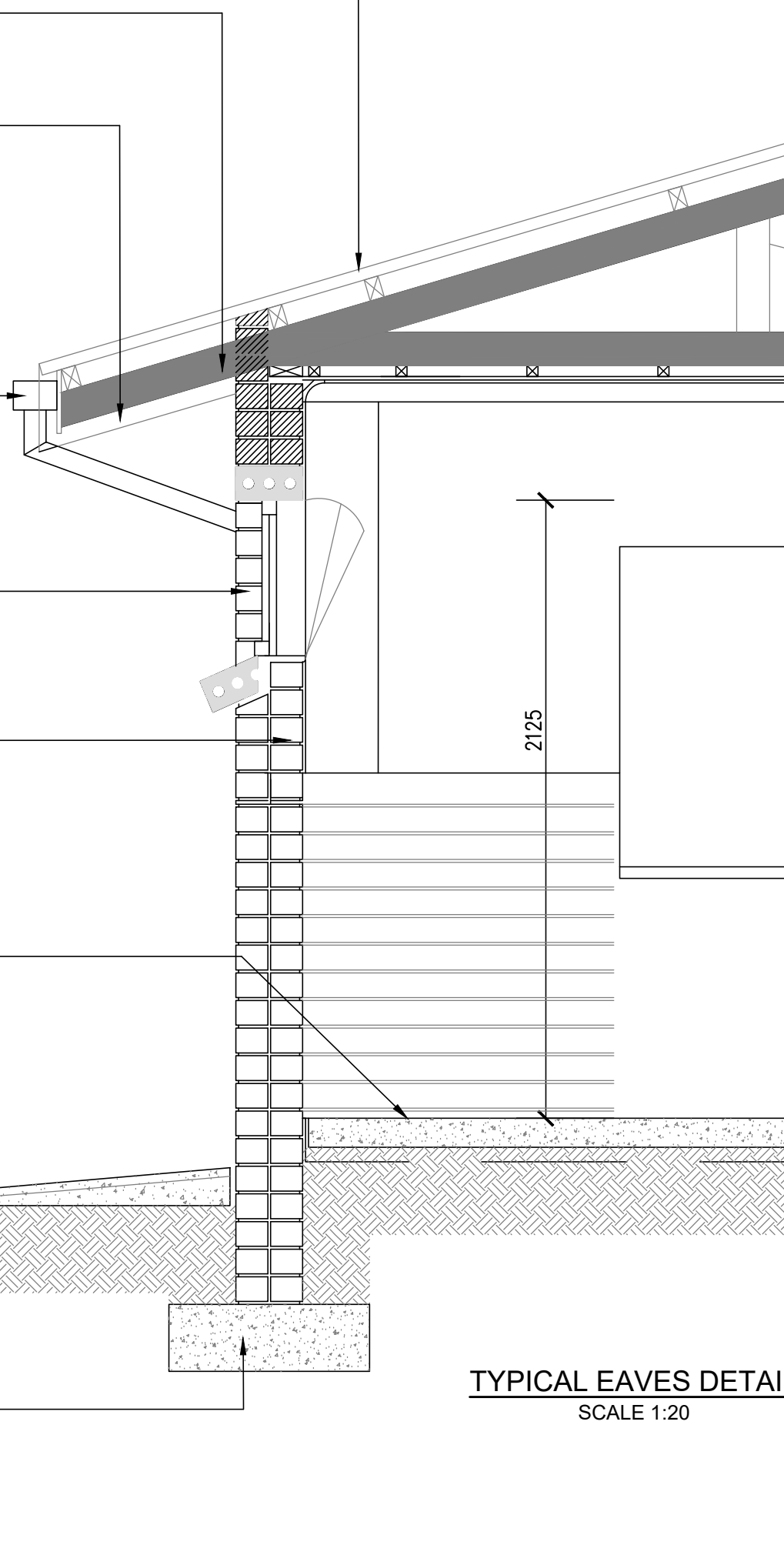
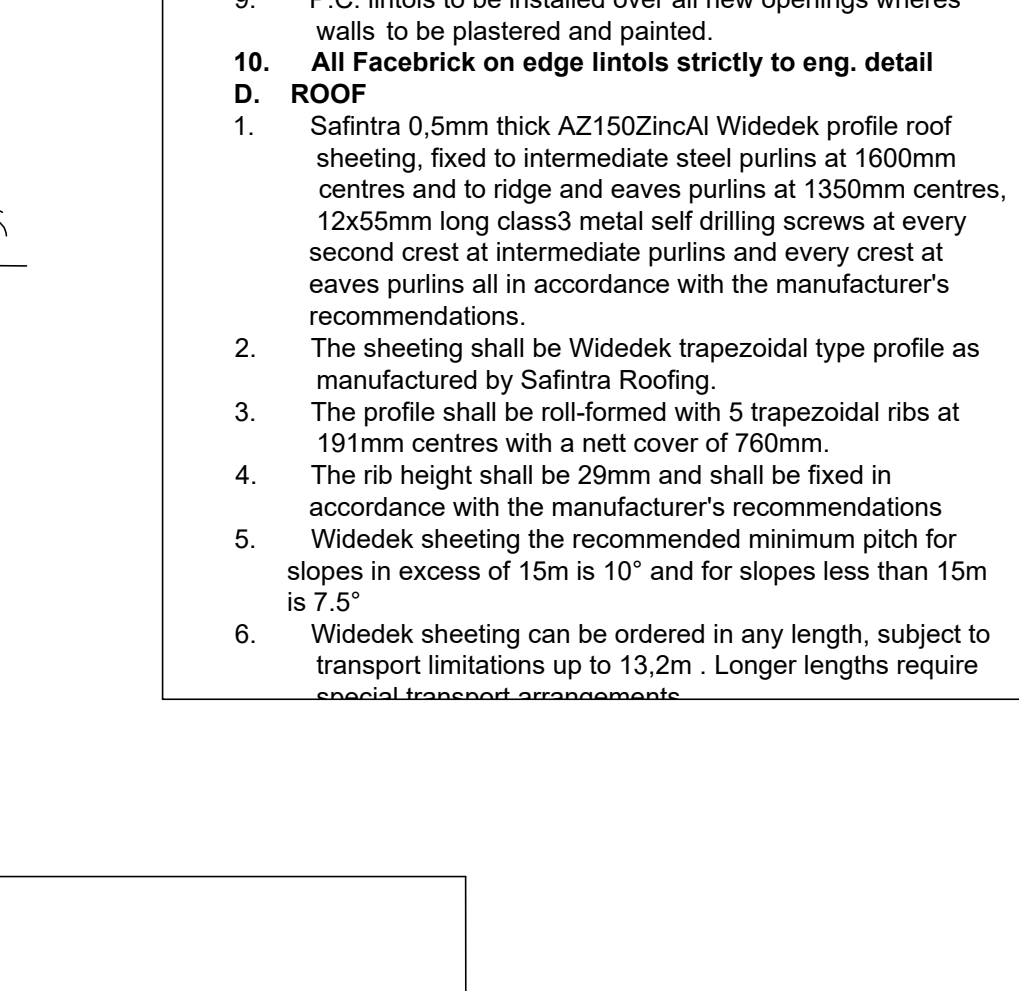
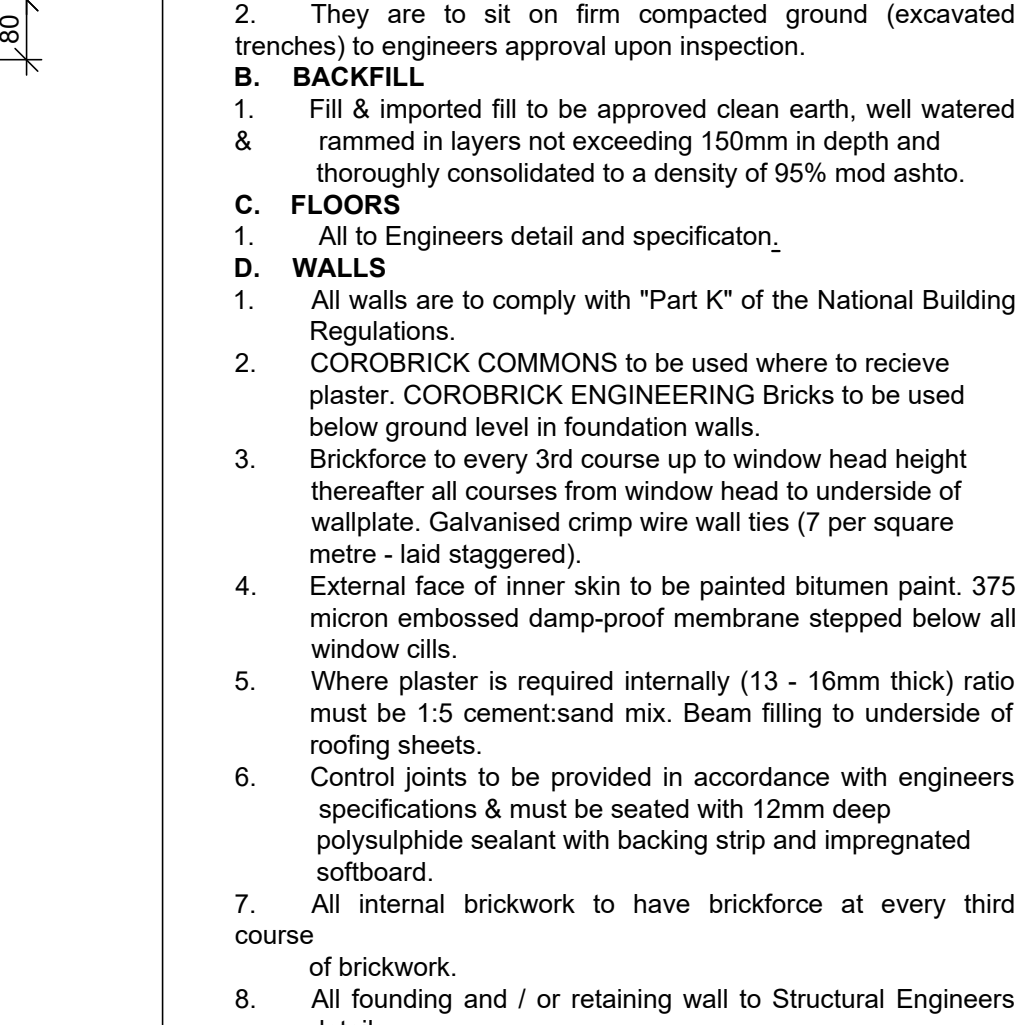
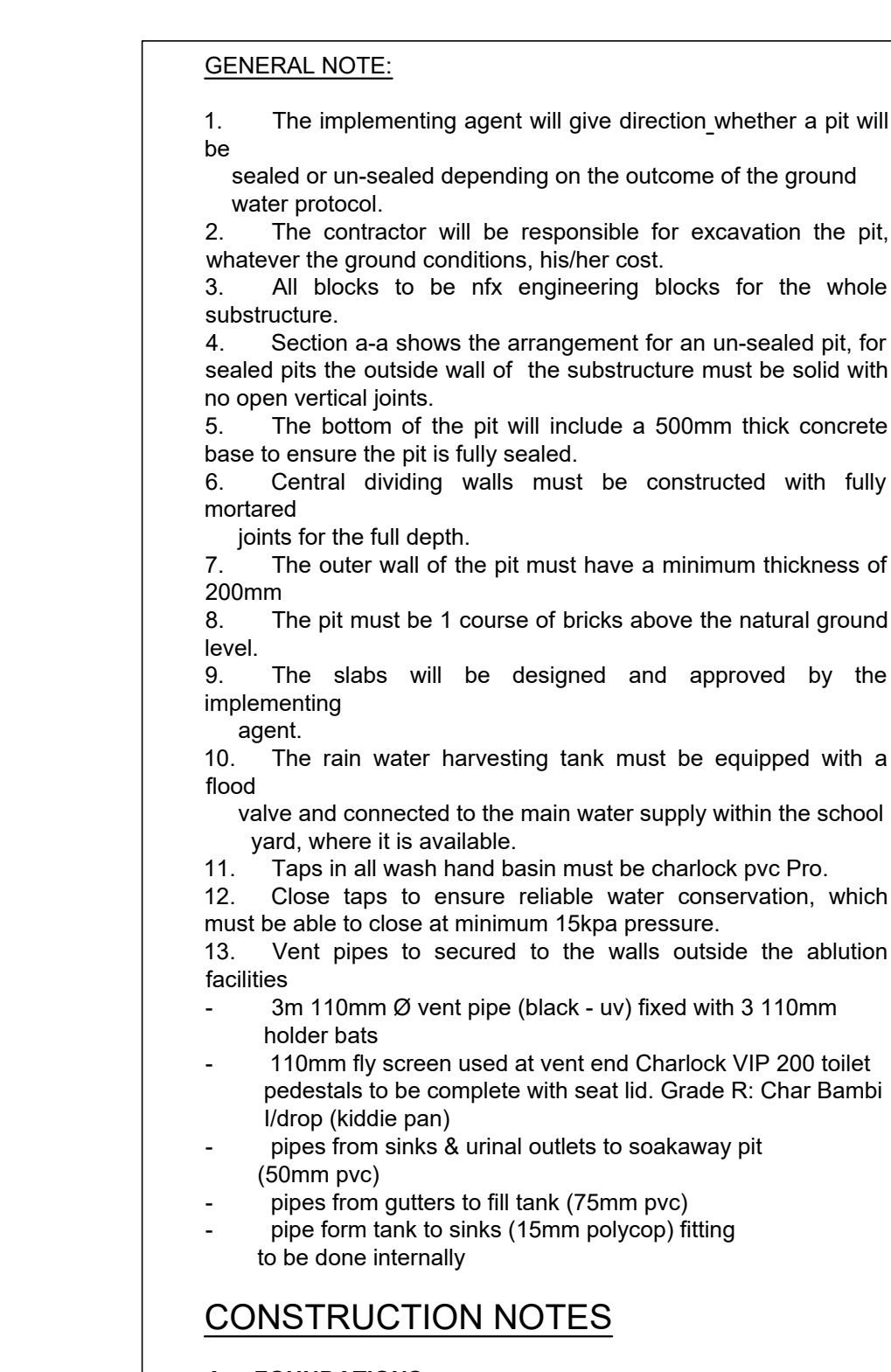
STABLE DOOR-D2
SCALE 1:20



FOUNDATION PLAN-4NO OF PLOT
SCALE 1:50



Side Elevation of the 6 Boys Ablutions building. It shows the side wall with three toilet stalls (W2) and three urinal stalls (W1). The elevation includes dimensions for the overall height (2400) and width (6530). A note indicates that the Corobrick Montana Travertine SABS Classification facebrick is used on the edge. A 2500 LITRE 'JOJO' water tank is shown outside the building.



TYPICAL EAVES DETAIL
SCALE 1:20

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

CONSTRUCTION INFORMATION	
MAN 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

NOTE: No construction work to commence until land and servitude acquisitions have been completed
Acquisitions completed:

Date : Engineer :

SERVICE	DATE	SIGNATURE
S.W DRAINS		
SEWERS		
WATERMANS		
TELEKOM 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
Project No.	S_0269_001
Planning Unit	
Ward No.	

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

Drawing Title
INHLANGANISO PRIMARY SCHOOL
TYPE-6B NEW BOYS ABLUTION
BLOCK LAYOUT SECTION AND DETAILS

Drawing No.	S-0269-001-VUV_A-010-003	Sheet	1 of 1	Rev.	T0
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