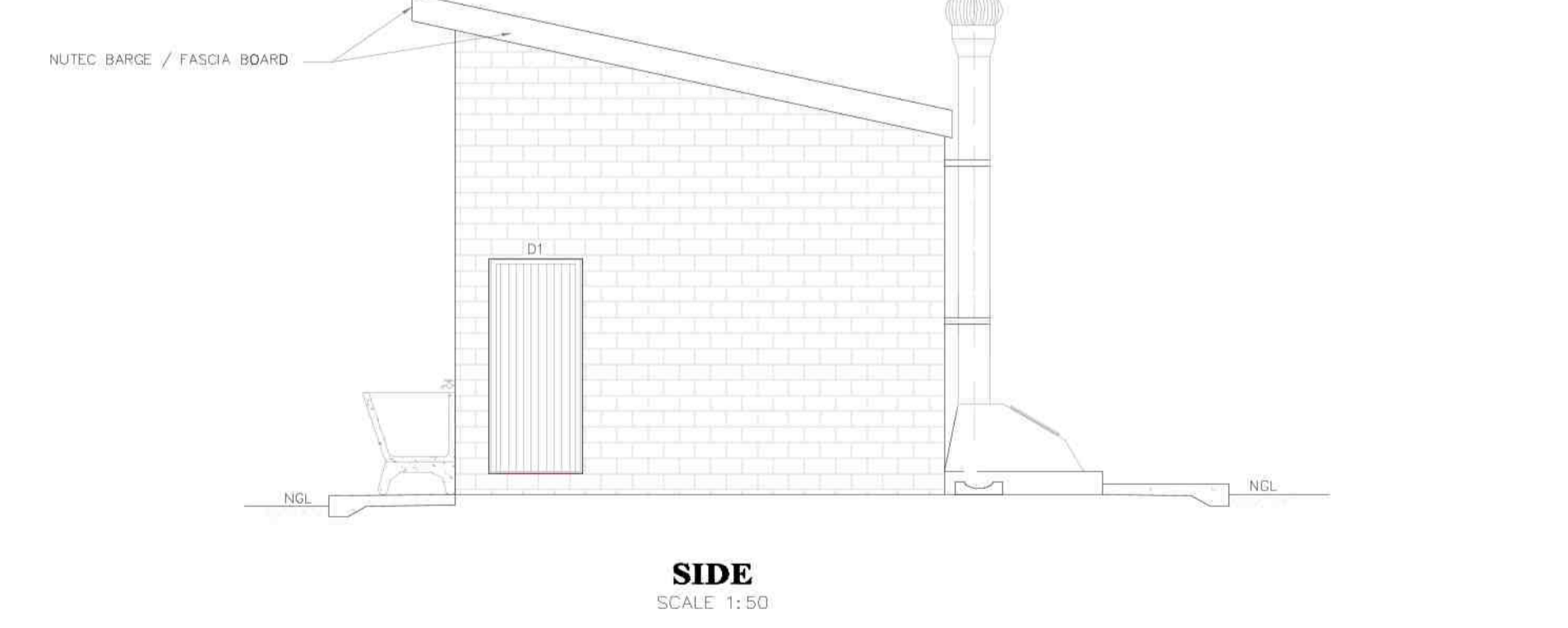
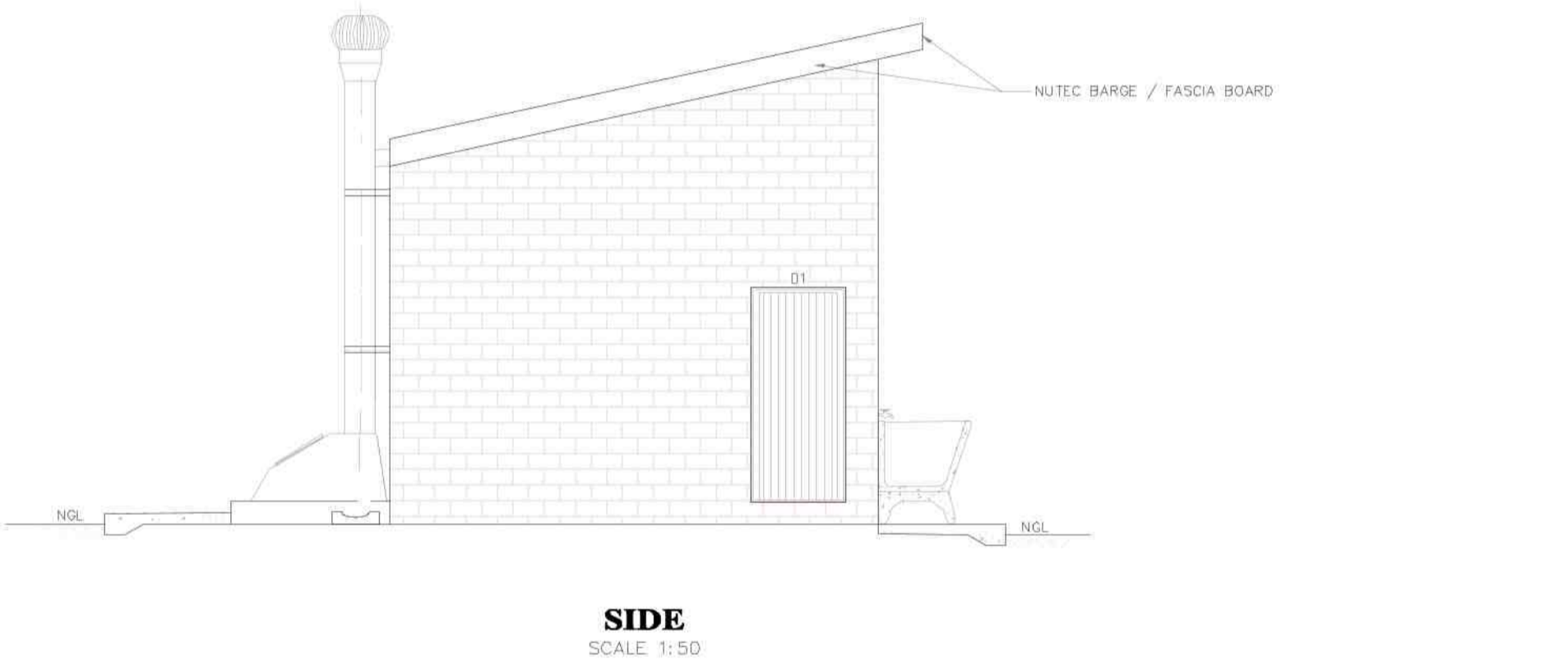
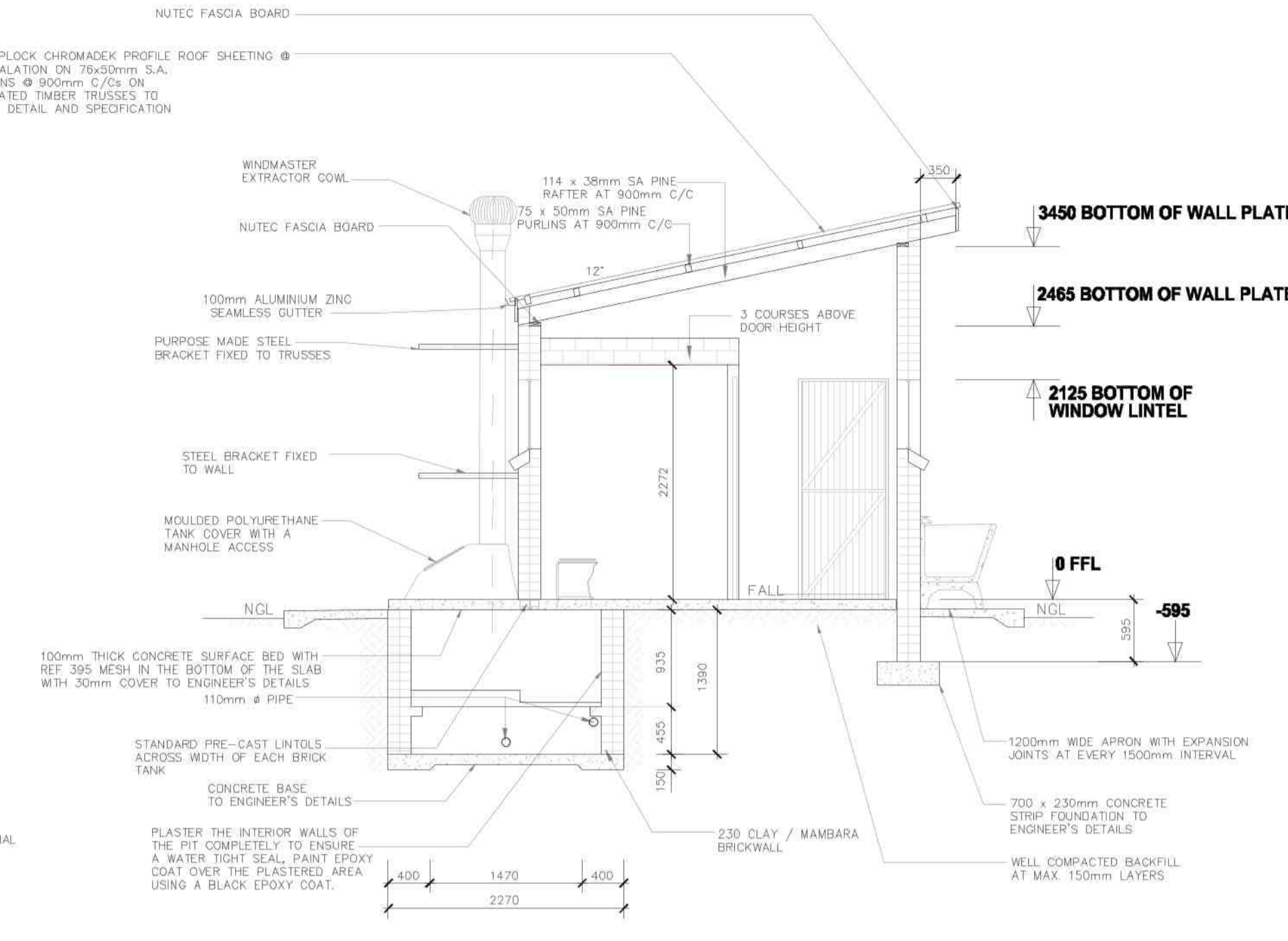
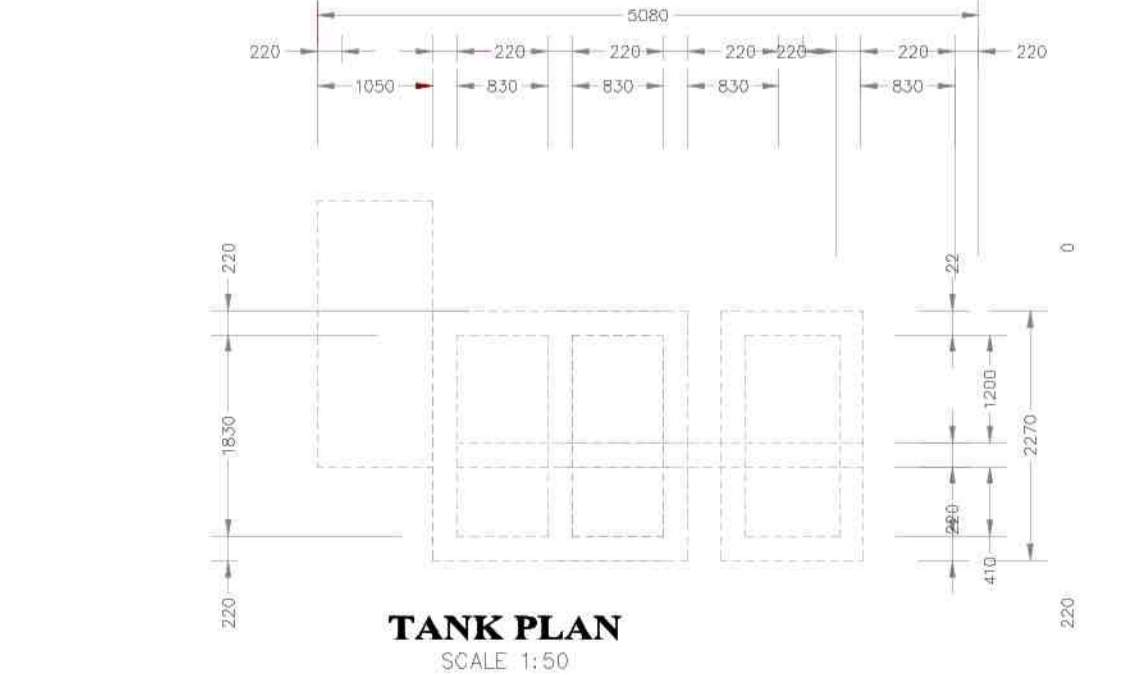
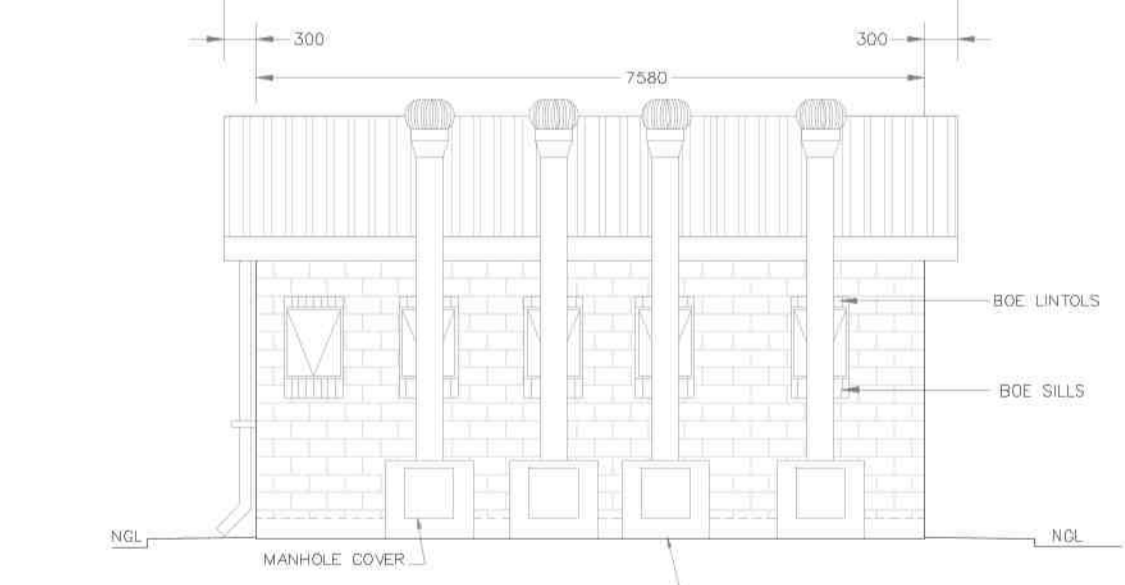
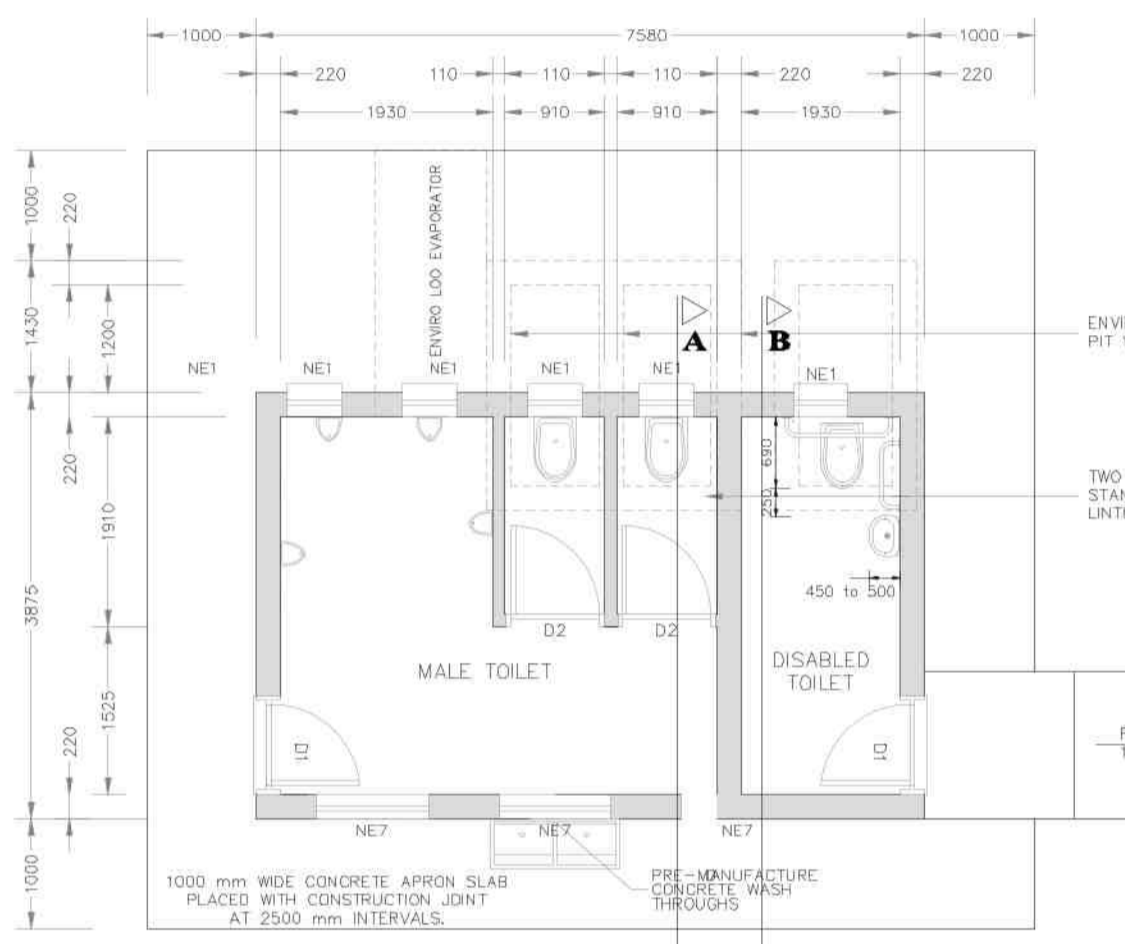
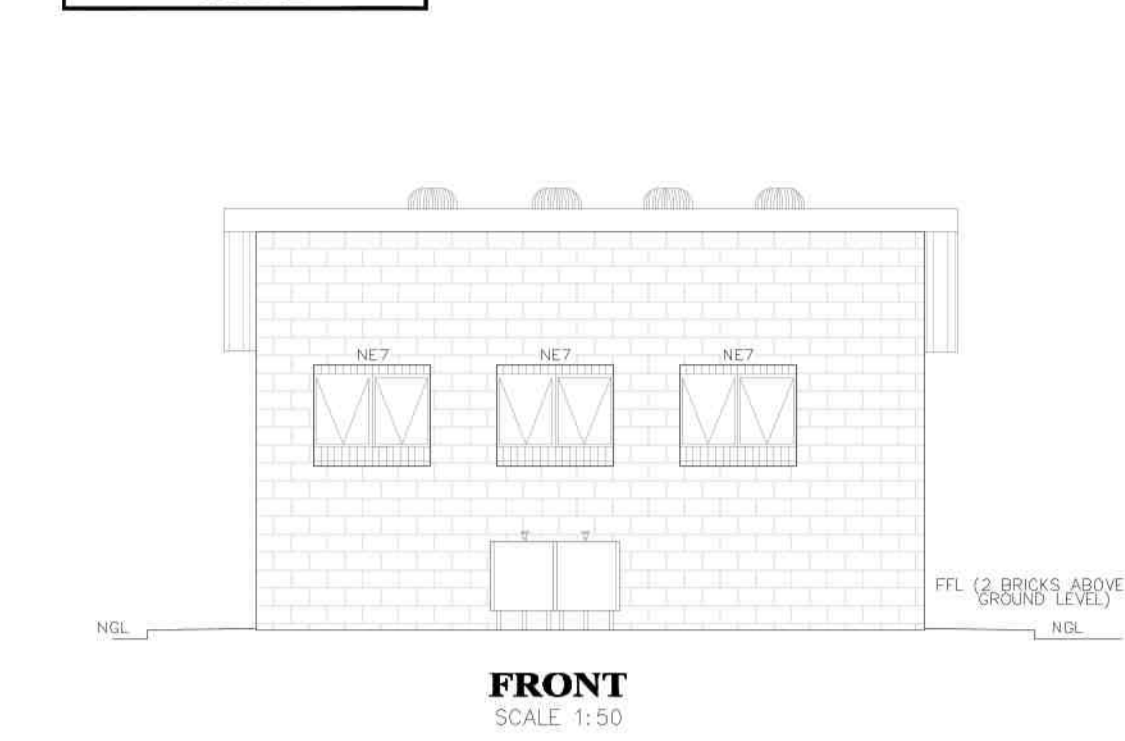


MD2



GENERAL NOTES:

- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATION AND SABS 0400 OF 1990
- CONTRACTOR TO READ ONLY FIGURED DIMENSION
- CONTRACTOR TO VERIFY ALL DIMENSION ON SITE BEFORE COMMENCING WITH ANY WORK.

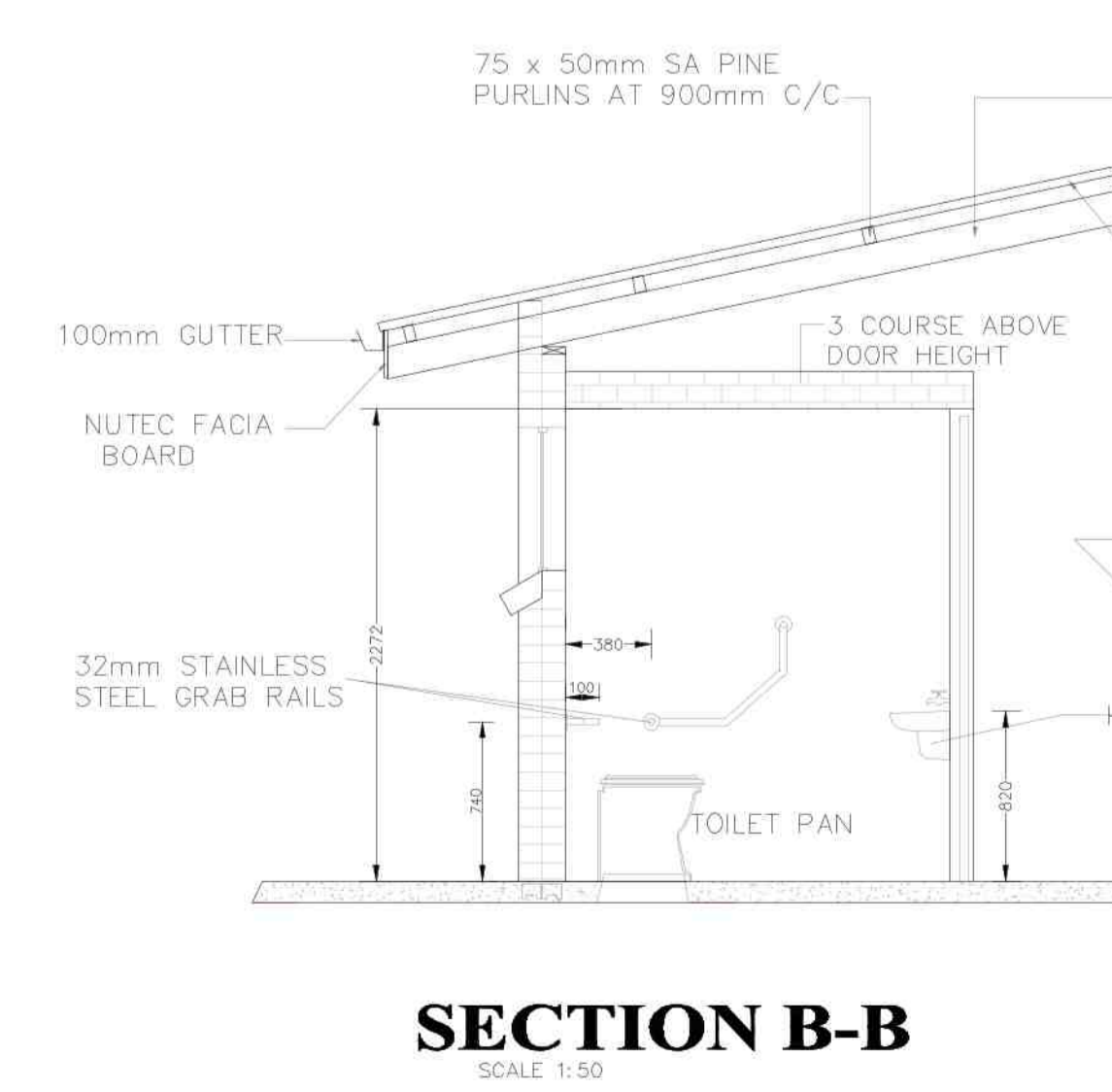
WINDOW SCHEDULE	
WINDOW NO.	N2
CATALOGUE	NE7
FRAME	1022 x 654mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS EPOXY GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	3

WINDOW SCHEDULE	
WINDOW NO.	N1
CATALOGUE	NE1
FRAME	533 x 654mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS EPOXY GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	6

ENTRANCE DOOR	
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 230mm WALL (D)
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2nd FINISHING COATS IN GLOSS ENAMEL COLOUR TBC
DOOR LEAF	44mm FRAMED LEDGED AND BRACED DOOR SIZE 813x2032mm INCLUDING EXTERNAL WEATHER HAIR
LEAF FINISH	UNDER COAT AND WHINUM 2 COATS GLOSS ENAMEL - COLOUR TBC
LOCK	3 LEVER MORTICE LOCK SET
IRONMONGERY	100mm BRACE CABIN HOOR

CUBICLE DOOR	
FRAME TYPE	SINGLE REBATE STEEL DOOR FRAME TO FIT 230mm WALL (D)
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2 COATS GLOSS ENAMEL - COLOUR TBC
DOOR LEAF	44mm FRAMED LEDGED OVERBRACED DOOR SIZE 813x2032mm (DOOR RAISE BY 150mm TO TOP OF FRAME)
LEAF FINISH	UNDER COAT AND WHINUM 2 COATS GLOSS ENAMEL - COLOUR TBC
LOCK	TOILET INDICATOR LOCK
IRONMONGERY	100mm CHROME PLATED "D" TYPE HANDLE, 3 BY SOLID BRACE HINNES

BUGLAR DOOR	
TYPE	G1
POSITION	EXTERNAL TOILET BLOCK
DOOR TYPE	PURPOSE MADE SQUARE HOLLOW SECTION MILD STEEL SECURITY GATE
DOOR FINISH	1 COAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERNAL QUALITY)
FRAME	50x20x1.6mm U.S.S. RECTANGULAR HOLLOW SECTION FRAME
FRAME FINISH	1 COAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERNAL QUALITY)
DOOR	76x20x1.6mm RECTANGULAR HOLLOW SECTION FRAME WITH 25x25x1.6 INTERMEDIATE AT 100mm SPACING @ 45° ANGLE COLOUR TBC SECURITY DOUBLE THROW DEAD LOCK (NO LATCH)
IRONMONGERY	



NO.	DATE	REVISION	DRAWN

NOTES AND SPECIFICATIONS:

GENERAL:

- Use dimensions provided and do not scale drawing.
- All work to comply with SANS, PMB371 and SABS.
- All dimensions, levels and positions to be verified on site prior to construction.
- All concrete work to be as per Engineer's detail and specifications.
- All pits to face North.
- All brickwork have brickface at every 2nd course in pit lining and 3rd course in superstructure.

PIT EXCAVATION:

- All stages of pit excavation to be inspected and approved by Engineer and signed off.
- All pit lining to be inspected by Enviro Services before slab casting.

COMPACTION OF SURFACES:

All ground surfaces receiving concrete floors / slabs should be compacted to 150mm layer size MASHBTD density before casting concrete.

CONCRETE WORKS:

- All concrete to be as per Engineer's detail and specifications.
- 25 MPa strength concrete to be used throughout construction.

Concrete Mixture Proportions:

Concrete Strength at 28 Days 25MPa

1 : 2 : 2 (mix proportion by volume)

1 bag cement : 0.08m³ Sand : 0.06m³ Stone (Volume/Bag)

300 kg cement : 800 kg sand : 600 kg stone (Mass/m³)

- Pre-cast concrete units to be used as support under top slab of pit.
- All concrete options to be 1000mm wide.

MORTAR:

Mixed proportions to be:

1 cement : 3 sand

(i.e. 1 bag cement : 3 wheelbarrows (37 litres) sand)

BRICKWORK:

Sub-structure

- All pit lining / foundation brickwork to be solid HPF clay brick.
- All internal surface of pit lining to be painted with two coats black epoxy paint. Installing Enviro-Loc units.

Super-structure

- All external walls / partitions to be of clay face brick to SABS quality.
- All cubicle partition walls to be 3 courses above door height.
- All brickwork above door openings should have brickface on every course at least 3 courses.
- Air bricks: Standard 230x150mm terra-cotta vermin proofed loured air grating to be used above all window openings.

ROOF SHEETING:

- 0.6mm kliplock chromadek roof sheeting.

ROOF TIMBER / CEILING:

- All roof timbers to be machined SABS treated wood with three coats of approved wood preservative.
- Timber connections (Hurricane Clips) are required at all intersections between timber rafters and purlins.
- Specification to be applied internal under all roof surfaces.

METALWORK:

- All metalwork should be primed before installation.
- All steel window should have 6020mm flat bar burglar grating.

PLUMBING:

- Disable concrete wash trough to be used.
- All wash troughs should be connected to the school's water supply system and the waste water should be piped to a soakaway.
- The soakaway should be as per Engineer's detail and position to be determined on site.
- Only 20mm and galvanneal pipe should be used as connection from wall to the discharge points.

GLAZING:

- 6.28mm obscure safety glass.

PAINTING:

- All paintwork to comply with SABS and PMB371 specification.
- All steel window and door frames including doors and fascias / barge boards to be discharge points.

CONSULTANTS

HIGH TEMPO INVESTMENT PTY LTD,
HOUSE 12, CYCAD STREET,
TZANEEN
Email : Hlaisit@gmail.com

SIGNATURE	DATE	SHEET SIZE
DESIGNED: MAWANE MDLULI	26-5-2021	A1
DRAWN: MAWANE MDLULI	26-5-2021	SCALE
VERIFIED: TIYANI HLAISI		AS SHOWN
VALIDATED:		STATUS LEGEND 1 - INFORMATION 2 - CORRECTION 3 - APPROVAL

IMPLEMENTED BY

THE MVULA TRUST
A leading developmental NGO

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DEPARTMENT OF
EDUCATION

PROJECT

LDoE 2021/22 - Limpopo Department of Education Schools Water and Sanitation Programme - MUHUVHINI SCHOOL

PROVINCE: LIMPOPO

DRAWING TITLE

MD3

EMIS NUMBER	DISCIPLINE	DRAWING No.	STATUS	REVISION
	CIVIL ENGINEERING & PROJECT MANAGEMENT	MD3-1		