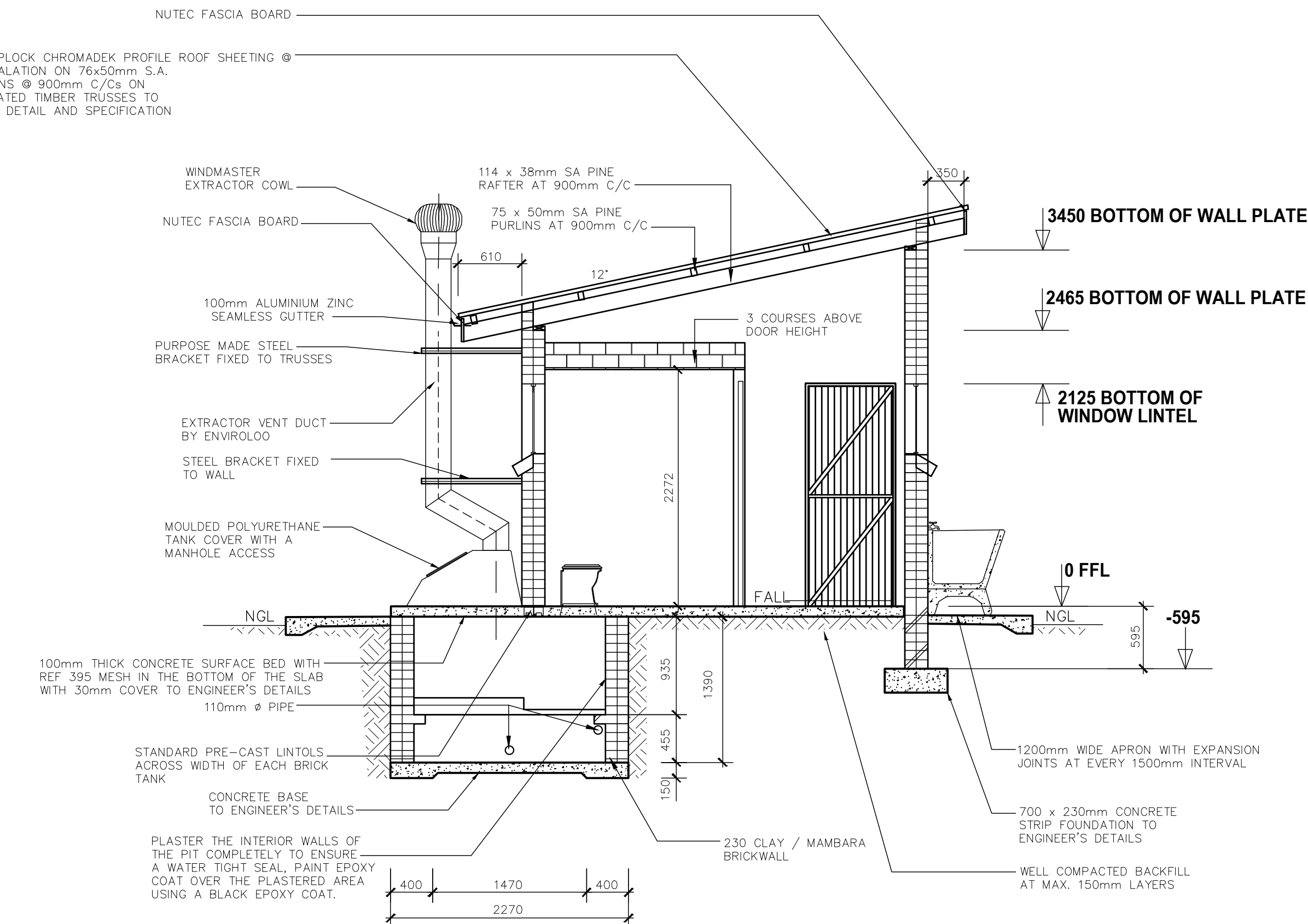
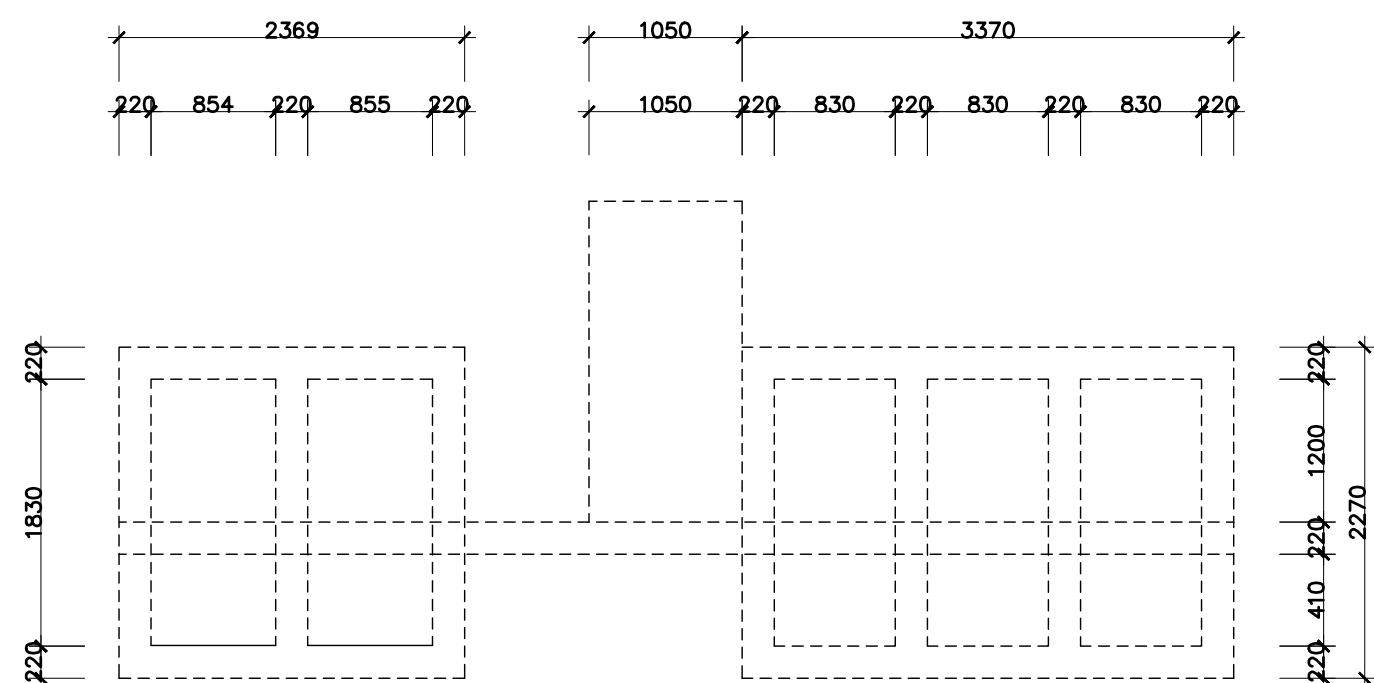
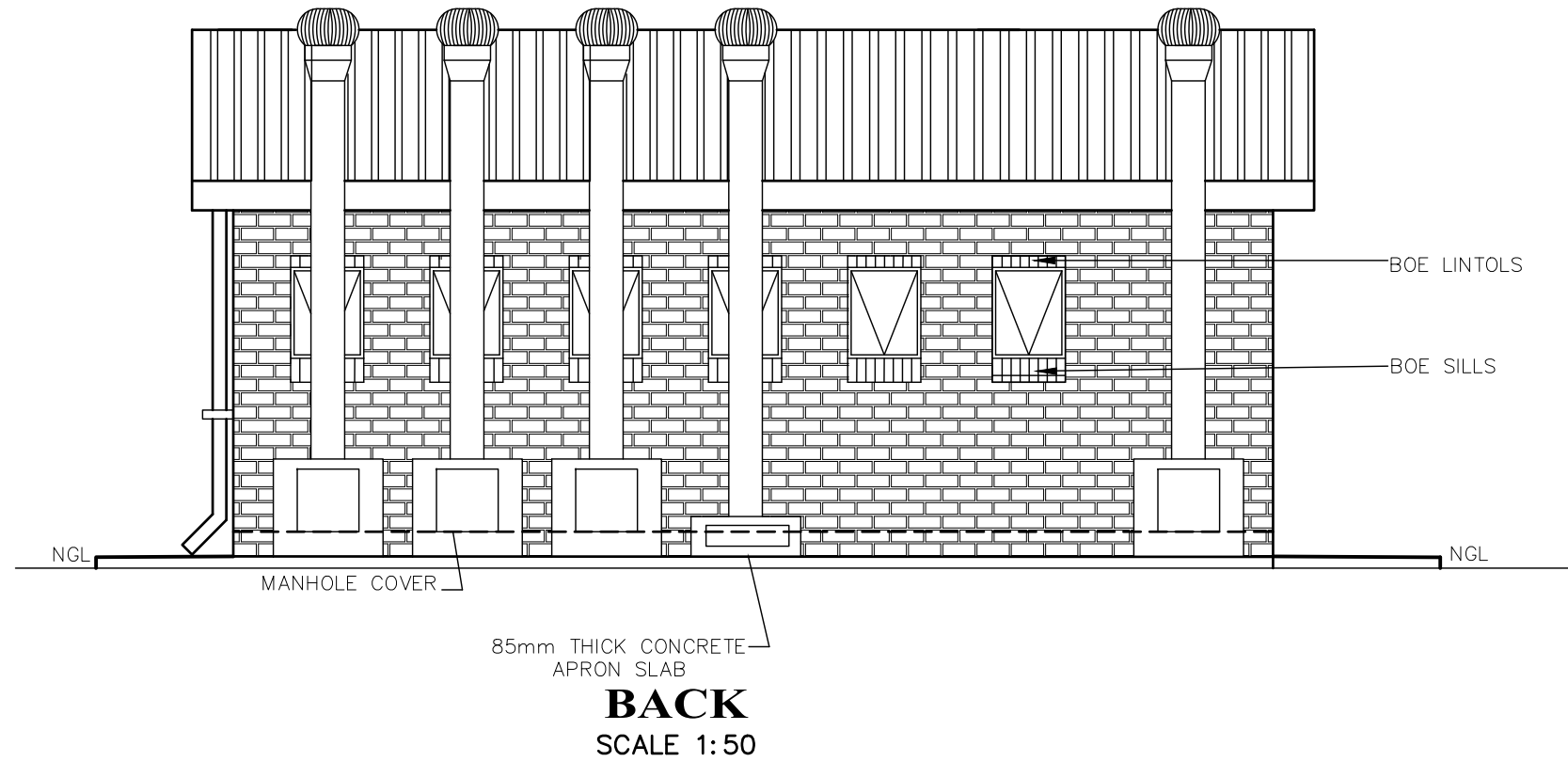
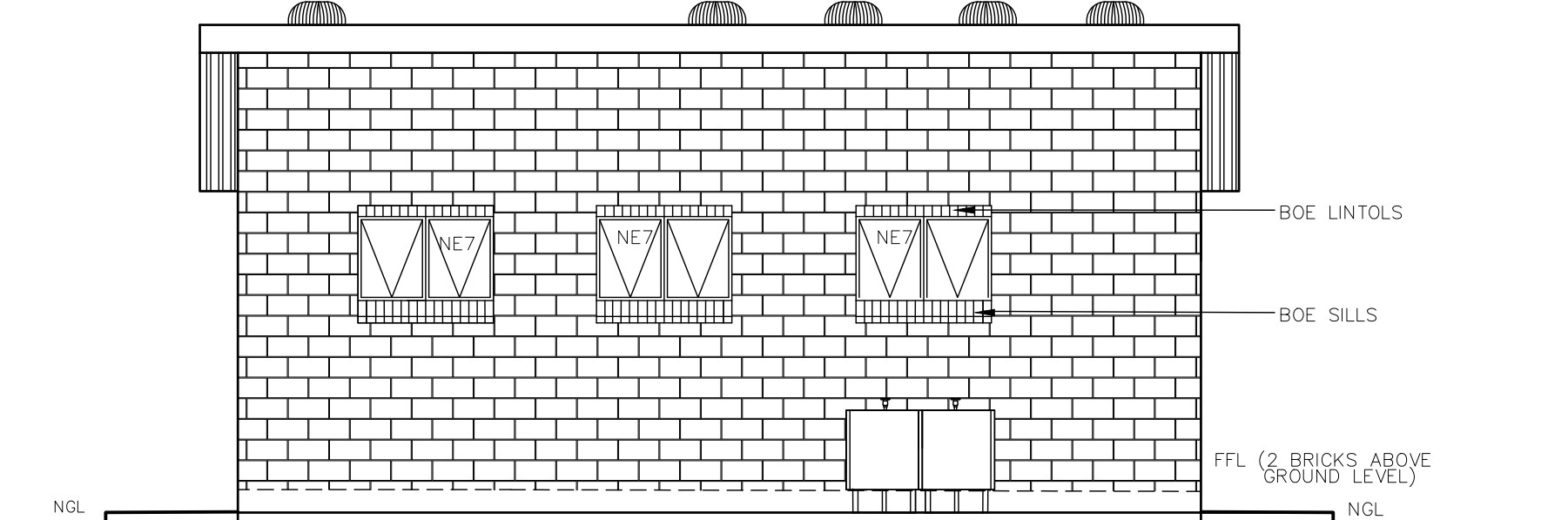
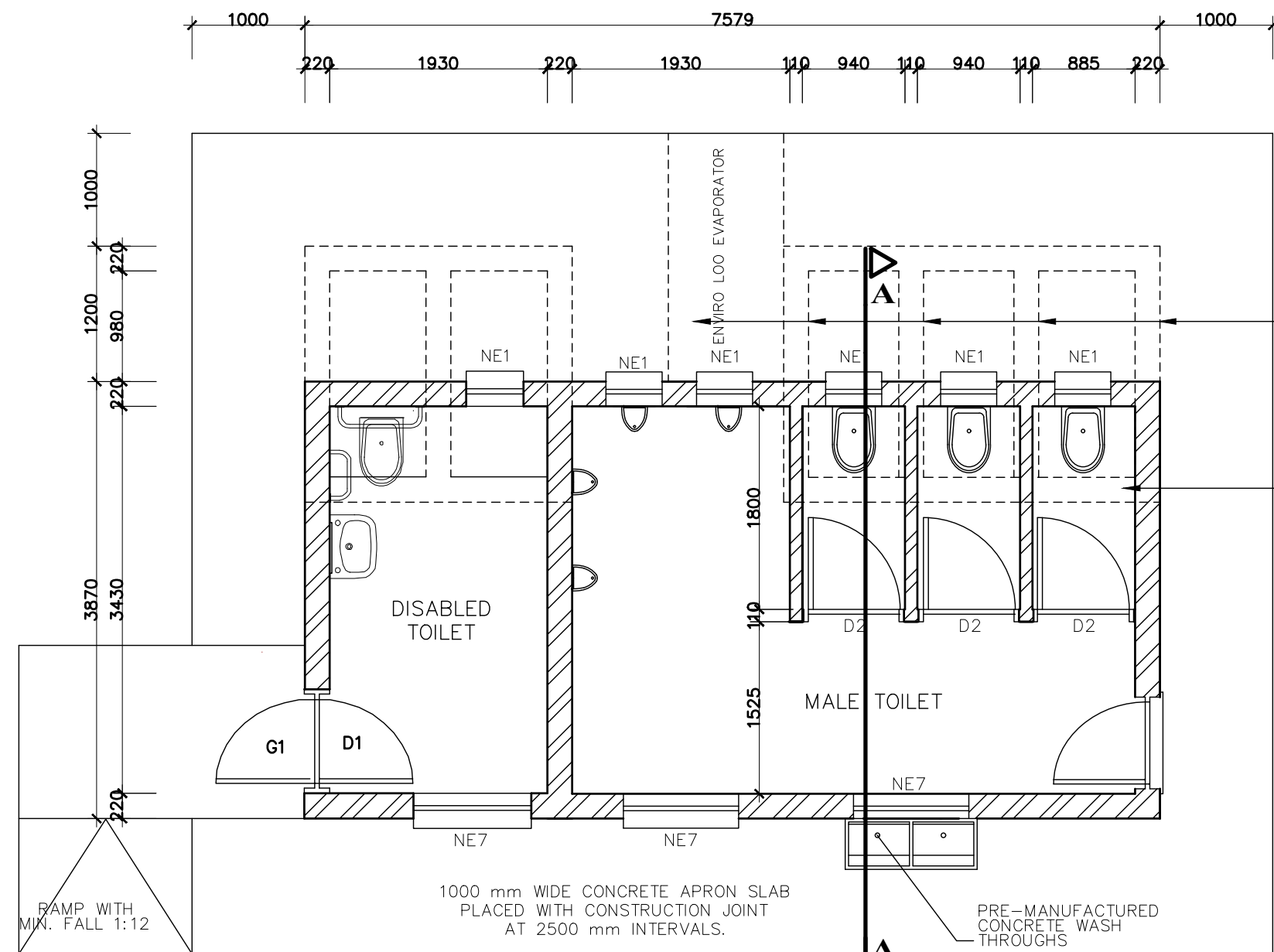


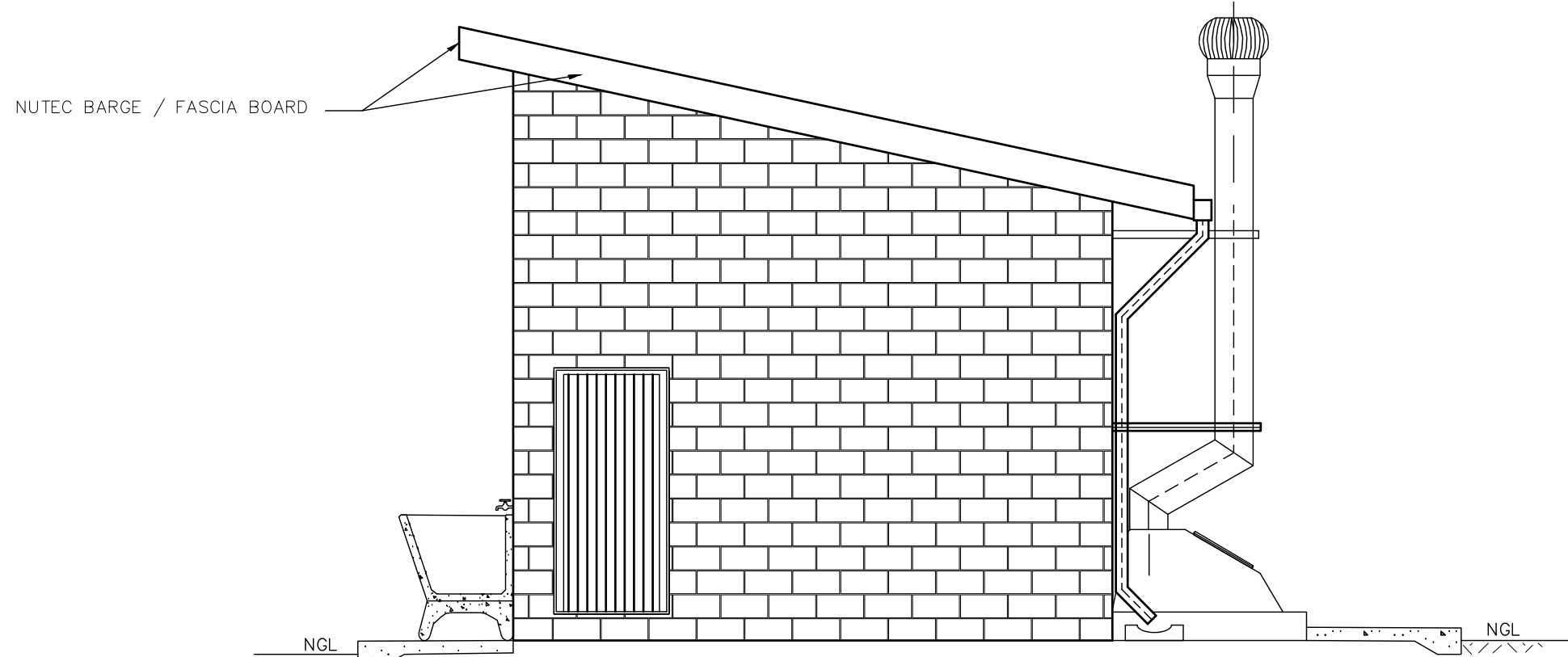
M3 + D/A



NOTE: ENVIRO LOO INSTALLATION AS PER MANUFACTURER'S SPECIFICATION AND DETAILS

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.



NOTES AND SPECIFICATIONS:

GENERAL

- Use dimensions provided and do not scale drawing.
- All work to comply with SABS, PW371 and SABS.
- All dimensions, levels and positions to be verified on site prior to construction.
- All concrete work to be as per Engineer's details and specifications.
- All pits to face North.
- All brickwork have brickforce 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 Enviroloo Services before slab casting.

COMPACTION OF SURFACES

All ground surfaces receiving concrete floors / slab should be compacted to 150mm layers 93% ModAASHTO density before casting concrete.

CONCRETE WORKS

- All concrete to be as per Engineer's details and specifications.
 - 25 MPa strength concrete to be used throughout construction.
- Concrete Strength at 28 Days 25MPa:
- 1 : 2 : 2 (mix proportion by volume)
- 1 bag cement : 0.08m³ Sand : 0.09m³ Stone (Volume/Bag)
- 385 kg cement : 820 kg sand : 960 kg stone (Mass/m³)
- Pre-cast concrete lintols to be used as support under top slab of pit.
 - All concrete aprons to be 1000mm wide.

MORTAR

Mixed proportions to be:

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

BRICKWORK

- All pit lining / foundation brickwork to be solid NFP clay brick.
- All internal surface of pit lining to be painted with two coats black epoxy paint installing Enviro-loo 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 brickforce on every course at least 3 courses.
- Air bricks: Standard 230X152mm terra-cotta vermin proofed louvered 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 all interconnections between timber rafters and purlins.
- Sisalation is to be applied interval under all roof surfaces.

METALWORK

- All metalwork should be primed before installation.
- All steel window should have 6x20mm flat bar burglar proofing.

PLUMBING

- Double 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 galvanized pipework 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 PW371 specification.
- All steel window and door frames including doors and fascia / barge boards to be discharge points.

WINDOW SCHEDULE	
WINDOW NO.	NE7
CATALOGUE	NE7
FRAME	1000 x 600mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIME SURFACE WITH EPOXY CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS FINE GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	4

WINDOW SCHEDULE	
WINDOW NO.	NE1
CATALOGUE	NE1
FRAME	1000 x 600mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIME SURFACE WITH EPOXY CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS FINE GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	7

ENTRANCE DOOR	
FRAME TYPE	SINGLE REBAR STEEL DOOR FRAME TO FIT 2200mm WALL (D1)
FRAME FINISH	PRIME AND FINE (UNDERCOAT AND 2nd COAT) FINISHING COATS IN GLOSS ENAMEL COLOUR TBC
DOOR LEAF	40mm FRAMED LEDGED AND BRACED DOOR SIZE 813x2032mm INCLUDING EXTERNAL WEATHER BAR
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL - COLOUR TBC
LOCK	3 LEVER MORTICE LOCK SET
IRONMONGERY	100mm BRACE CABIN HOOK

CUBICLE DOOR	
FRAME TYPE	SINGLE REBAR STEEL DOOR FRAME TO FIT 1800mm WALL (D1)
FRAME FINISH	PRIME AND FINE (UNDERCOAT AND 2nd COAT) FINISHING COATS IN GLOSS ENAMEL COLOUR TBC
DOOR LEAF	40mm FRAMED LEDGED BRACED DOOR SIZE 813x2032mm (DOOR RAISE BY 150mm TO TOP OF FRAME)
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL - COLOUR TBC
LOCK	TOILET INDICATOR LOCK
IRONMONGERY	100mm CHROME PLATED "D" TYPE HANDLE 3 BY GOLD BRASS FINISH

BUGLAR DOOR	
TYPE (Q)	2 QP
POSITION	EXTERNAL TOILET BLOCK
DOOR TYPE	THROPSIDE MASS SQUARE HOLLOW SECTION MILD STEEL SECURITY
DOOR FINISH	1 COAT ZINC CHROMATE PRIMER MINIMUM 2 COATS GLOSS ENAMEL (EXTERNAL QUALITY)
FRAME	200x200mm M.S. RECTANGULAR HOLLOW SECTION FRAME
FRAME FINISH	1 COAT ZINC CHROMATE PRIMER MINIMUM 2 COATS GLOSS ENAMEL (EXTERNAL QUALITY)
DOOR	1800x2000mm RECTANGULAR HOLLOW SECTION FRAME WITH 20x20x6 INTERMEDIATE AT 1000 CENTRES AT 45 DEGREE ANGLE TBC
IRONMONGERY	SECURITY DOUBLE THROW DEAD LOCK (D1 & D2)

GENERAL NOTES:

- ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE PRIOR TO COMMENCING SETTING OUT, WORKSHOP DRAWINGS OR CONSTRUCTION.
- FIGURED DIMENSIONS ONLY TO BE USED.
- DISCREPANCIES, ERRORS AND OMISSIONS ARE TO BE REPORTED TO ARCHITECTS IMMEDIATELY THEY BECOME EVIDENT.
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Revisions During Construction

Rev #	Issue Date	Revision description	Sign
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Revisions Prior to Construction

Rev #	Issue Date	Revision description	Sign
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Issued for:

Information	Construction
Tender - Contract	Client Approval
Measurement	Municipal Approval

Detail Symbols	Legend	Scale
Section elevation	Section elevation	Section elevation
Location	Location	Location

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www.srsqs.co.za

Client: **THE MVULA TRUST**
A leading developmental NGO
THE MVULA TRUST LIMPOPO

Client project number: CLUSTER 04

Project Title:
PROPOSED NEW WATER, SANITATION AND FENCING FOR THE MVULA TRUST

Site information:
TUTWANA PRIMARY SCHOOL,
GA-MATLAPA MASHASHANE,
MAUNE CIRCUIT

EMIS NO.: 922221609

Project Architect:

Project Co-ordinator/Manager:

Project Architectural Technician:

Drawing Title:

**ENVIROLOO PROTOTYPE -
DISABLED 1, MALE 3 SEATS,
4 URINALS**

Project number:

Drawing Stage:

Project:

Drawing Revision:

Scale: AS SHOWN

Drawn: TM

Checked: RM

First issue date: 2022/06/30

Latest issue date: 2022/08/16