

M4 + D/A

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.
- SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO MANUFACTURE OR INSTALLATION.
- COPYRIGHT AND RIGHT OF REPRODUCTION OF THIS DRAWINGS OR ANY PORTION THEREOF IS RESERVED M4 ARCHITECTS.

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 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 EnviroLoo Services before slab casting.

COMPACTION OF SURFACES

All ground surfaces receiving concrete floors / slab should be compacted to 150mm layers 93% ModAKSHIT 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 Mixes: Proportions

Concrete Strength at 28 Days 25Mpa:

1 : 2 : 2 (mix proportion by volume)

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

385 kg cement : 820 kg sand : 860 kg stone (Mass/m³)

- Pre-cast concrete lintels 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

Sub-structure

- 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 brickface 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 intersections between timber rafters and purlins.
- Slisolation 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 galvanised 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.	N1
CATALOGUE	NE1
FRAME	1022 x 854mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRINING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS EPMP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	4

WINDOW SCHEDULE

WINDOW NO.	N1
CATALOGUE	NE1
FRAME	813 x 854mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRINING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS EPMP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	7

ENTRANCE DOOR

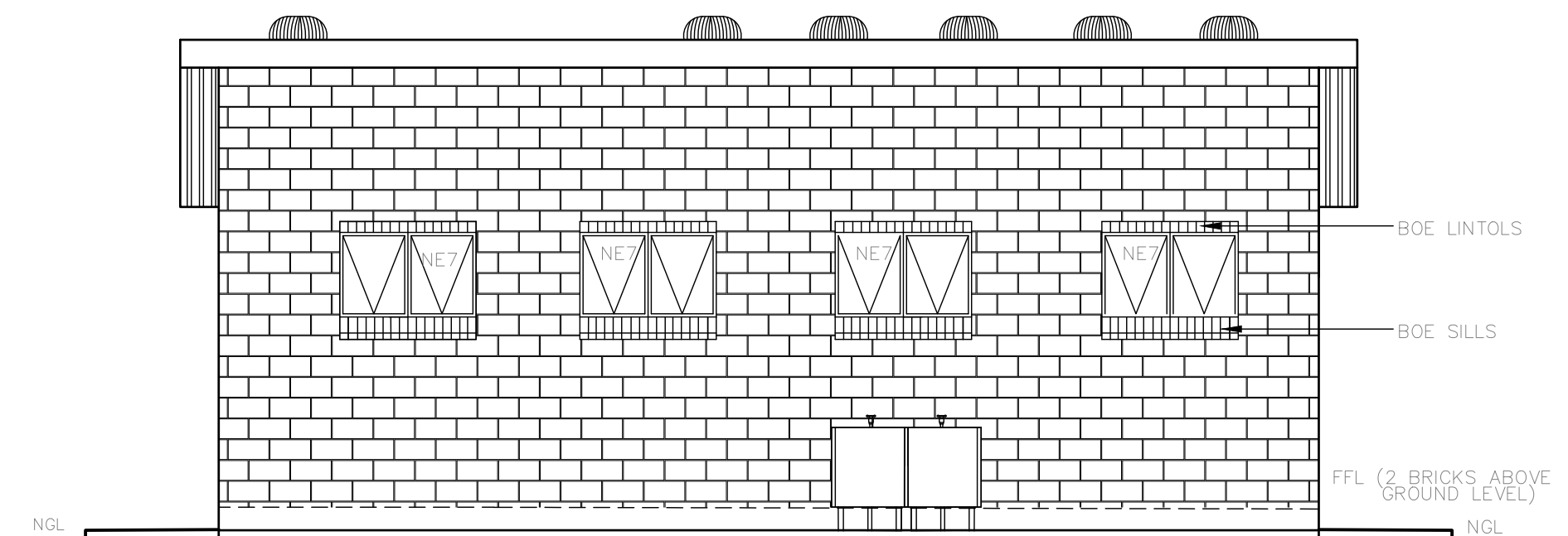
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 200mm WALL DOG
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2 COATS GLOSS ENAMEL - COLOUR TBC
DOOR LEAF	40mm FRAMED LEADED AND BRACED DOOR SIZE 813x2032mm INCLUDING EXTERNAL WEATHER STRIP
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL - COLOUR TBC
LOOK	3 LEVER MORTICE LOCK SET
IRONMONGERY	100mm BRACE CABIN LOCK

CUBICLE DOOR

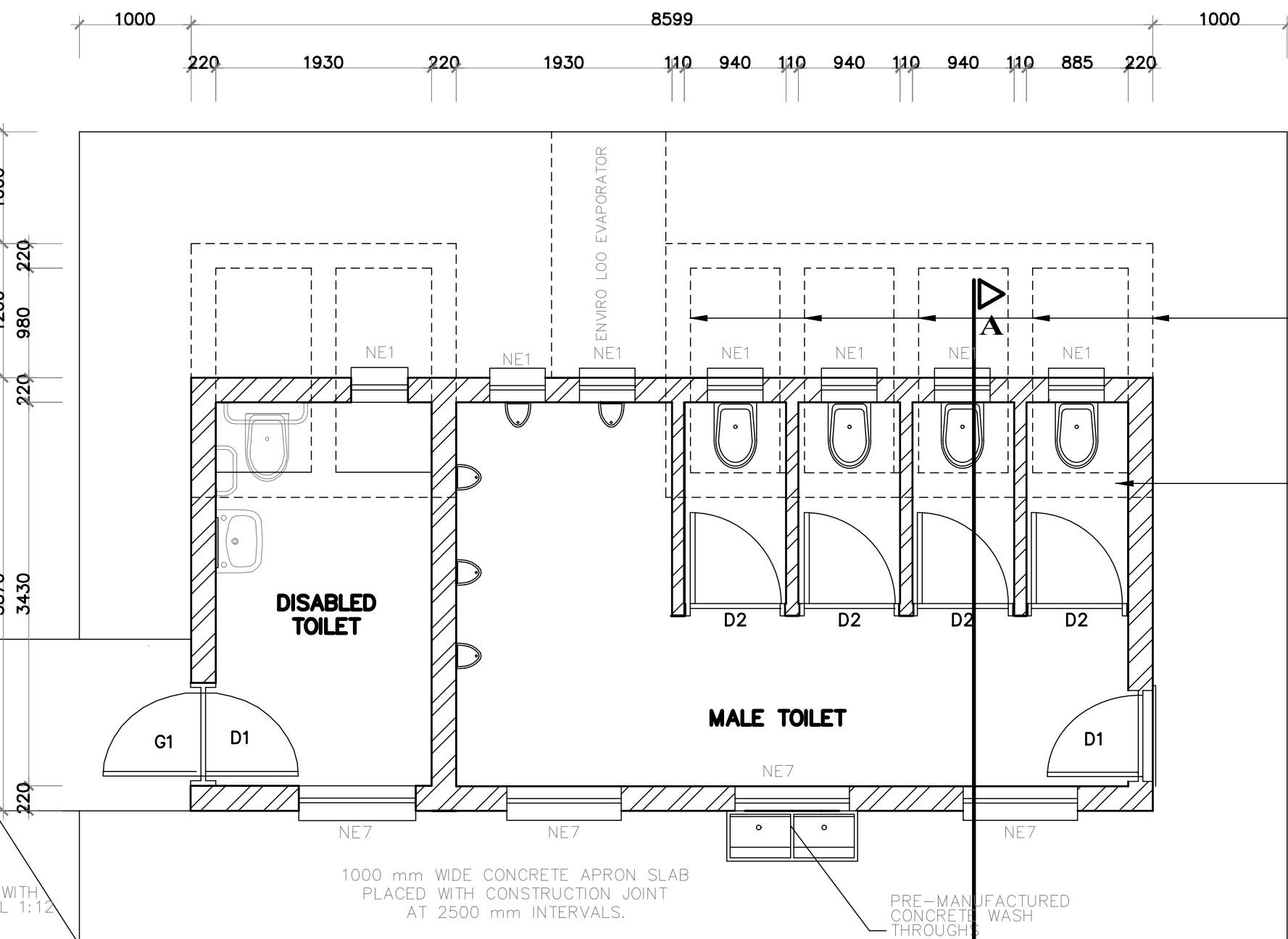
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 150mm WALL
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2 COATS GLOSS ENAMEL - COLOUR TBC
DOOR LEAF	14mm FRAMED LEADED BRACED DOOR SIZE 813x2032mm (DOOR RAISE BY 150mm TO TOP OF FRAME)
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL - COLOUR TBC
LOOK	TOILET INDICATOR LOCK
IRONMONGERY	100mm BRACE CABIN LOCK

BUGLAR DOOR

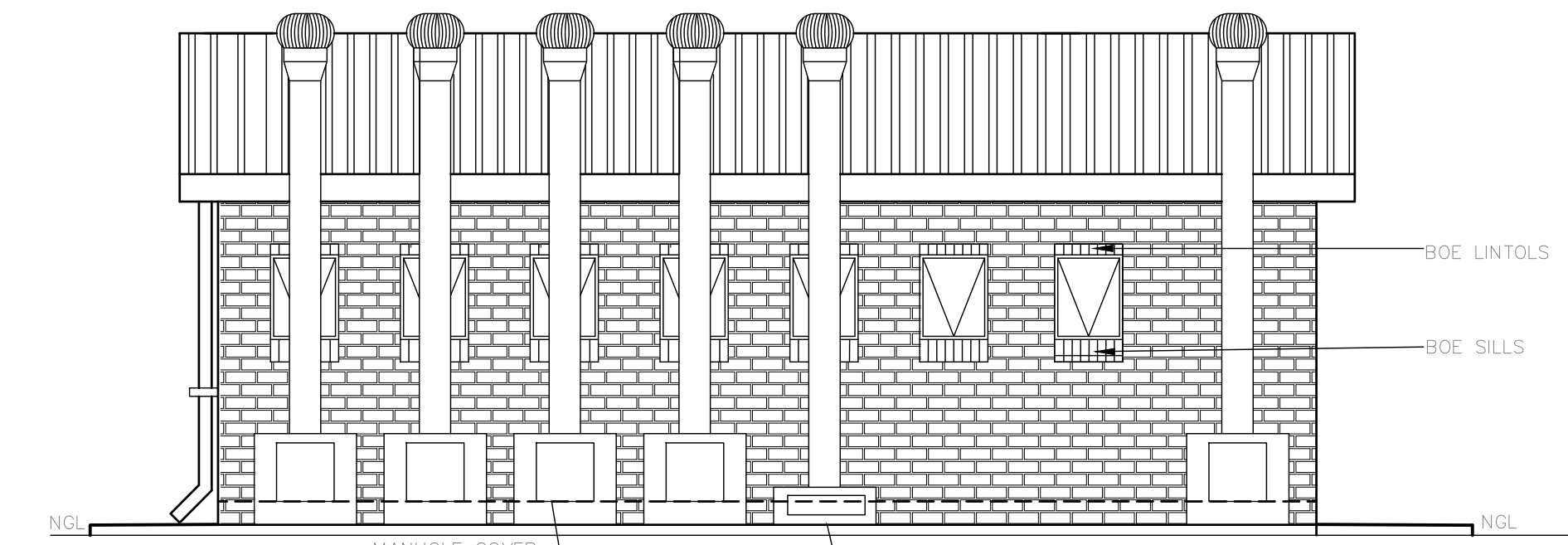
TYPE G1	EXTERNAL TOILET BLOCK	2 OFF
DOOR TYPE	PURPOSE MADE SQUARE SECTION DOOR	
DOOR FINISH	UNDER COAT ZINC CHROMATE PRIMER MINIMUM 2 COATS GLOSS ENAMEL (EXTERNAL QUALITY)	
FRAME	SUBMIT DRAWING, RECTANGULAR HOLLOW SECTION FRAME	
FRAME FINISH	UNDER COAT ZINC CHROMATE PRIMER MINIMUM 2 COATS GLOSS ENAMEL (EXTERNAL QUALITY)	
DOOR	1000mm RECTANGULAR HOLLOW SECTION FRAME WITH 25x25x1.6 INTERMEDIATE AT 1000 CENTER AT 45° ANGLE COLOUR TBC	
IRONMONGERY	SECURITY DOUBLE THROW DEAD LOCK TWO (2) OFF	



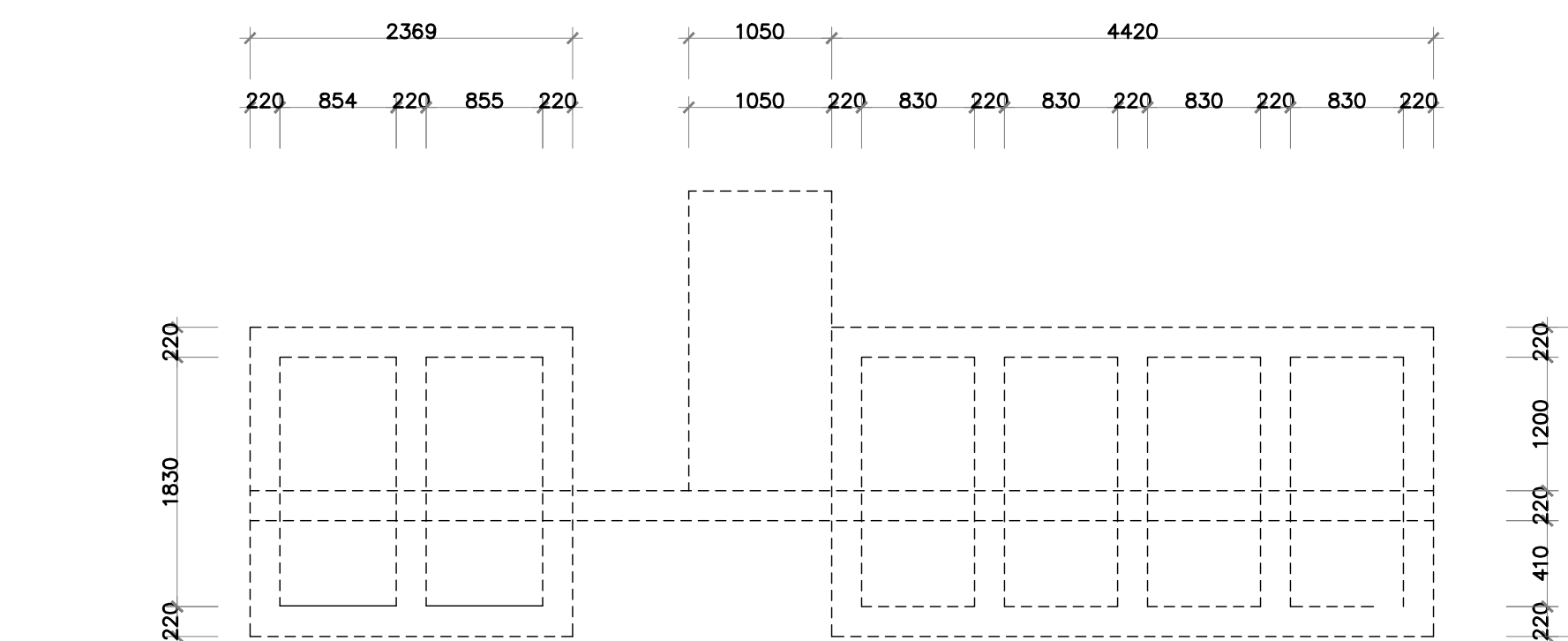
FRONT
SCALE 1:50



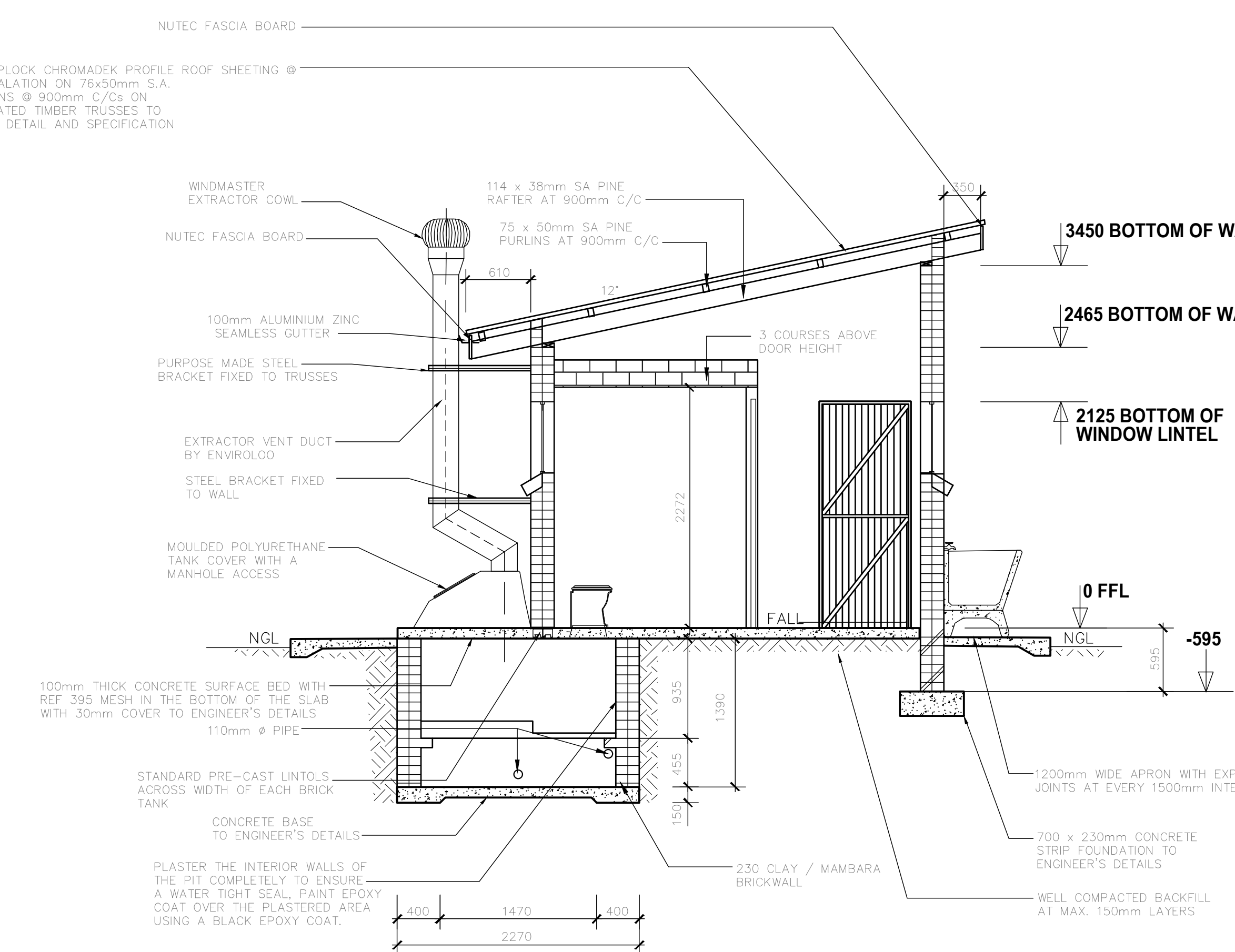
FLOOR LAYOUT
SCALE 1:50



BACK
SCALE 1:50

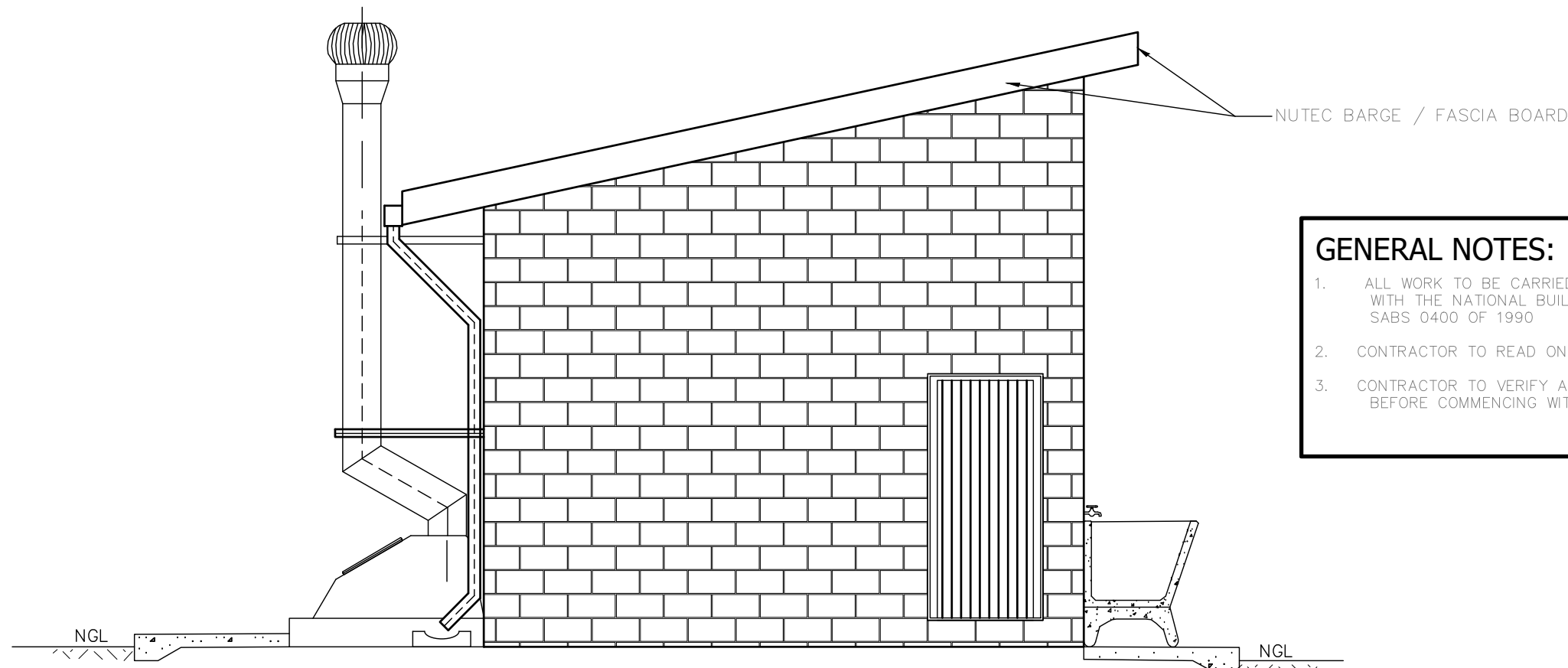


TANK PLAN
SCALE 1:50

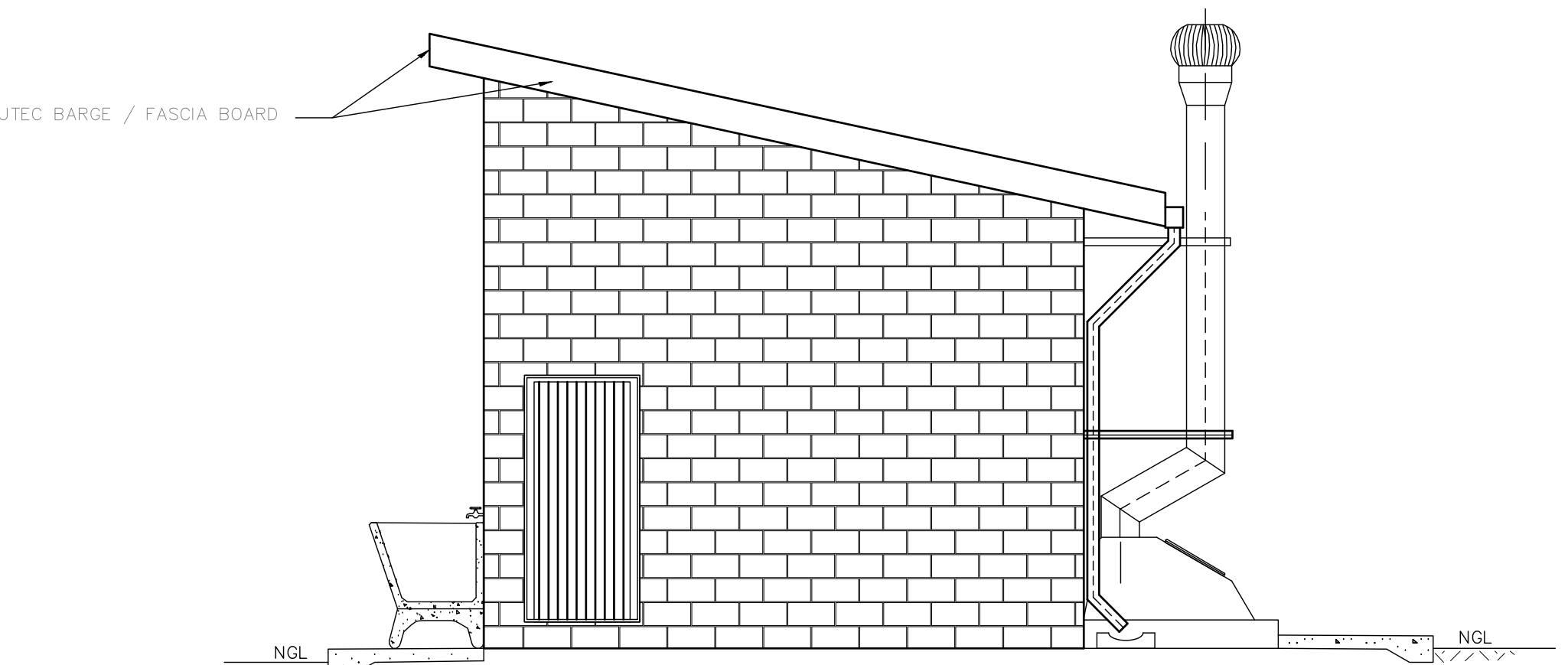


SECTION A-A
SCALE 1:50

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



SIDE
SCALE 1:50



SIDE
SCALE 1:50

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.

Issued for:

Information		
Tender - Contract	X	Construction
Measurement		Client Approval
Detail Symbols		Municipal Approval

Author	Checker	Drawn	Scale
Rev	Rev	Rev	Rev



Kruger Office Park, Unit 6
100 Marshall Street
Polokwane, 0699
Tel: (015) 291 1005 | Fax: (086) 560 4404
www.crsos.co.za

Client:



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:

KGOLKGOTHA SECONDARY SCHOOL, MAPATENG
GA-MASHASHANE VILLAGE

EMIS NO.: 922220354

Project Architect:

Project Co-ordinator/Manager:

Project Architectural Technician:

Drawing Title:

ENVIROLOO PROTOTYPE -
DISABLED 1, MALE 4,
5 URINALS

Project number:	Drawing number:	Project Stage:	Drawing Revision:
-	101	Constr	0

Scale:	Drawn:	Checked:
AS SHOWN	TM	RM

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