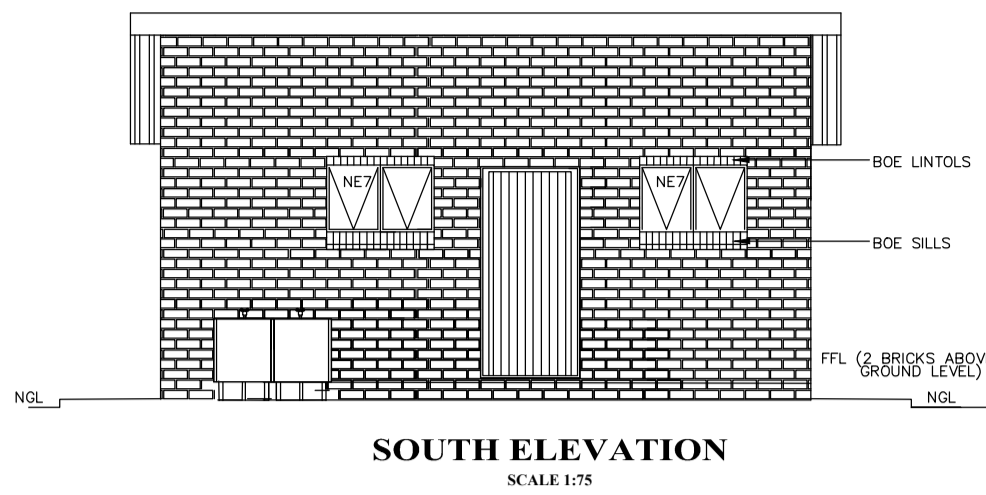
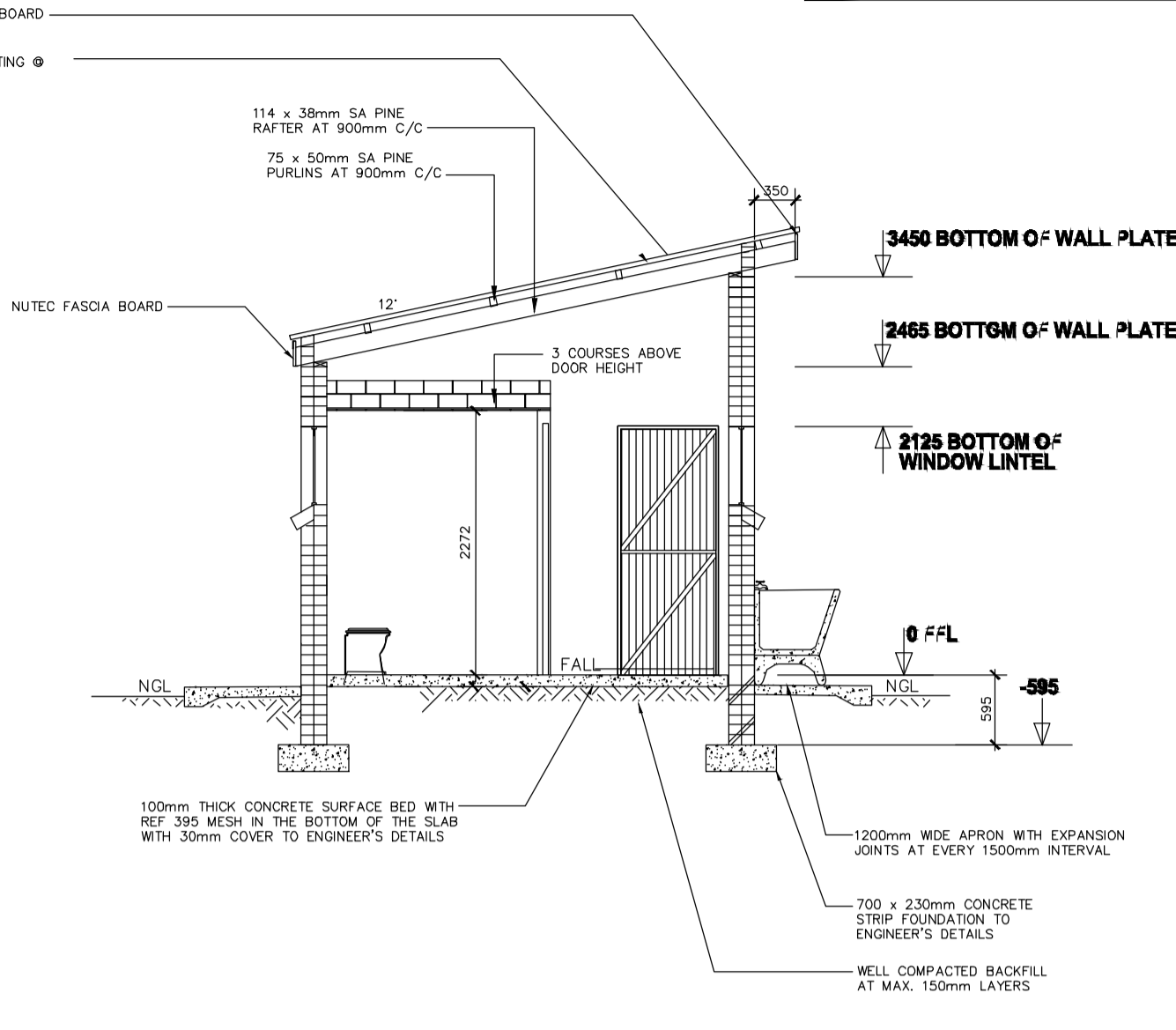


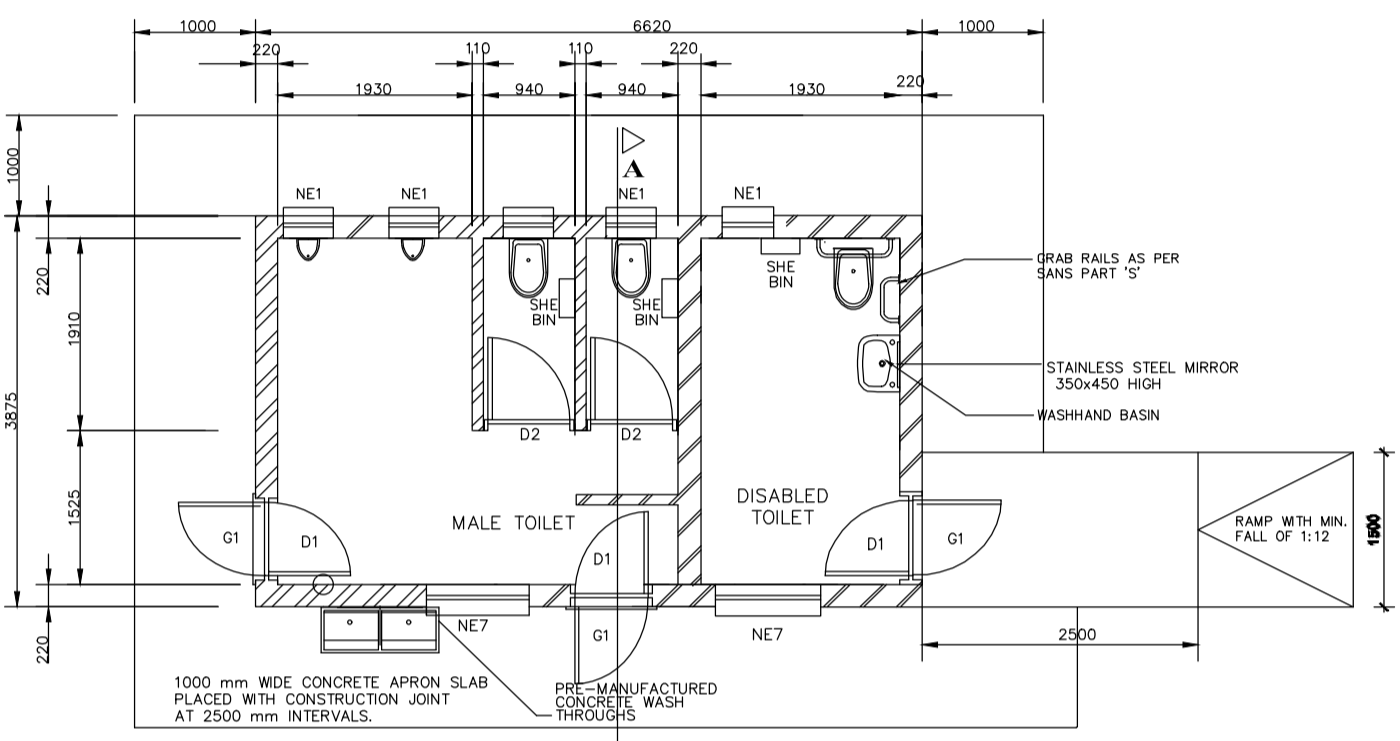
MD2+2UR



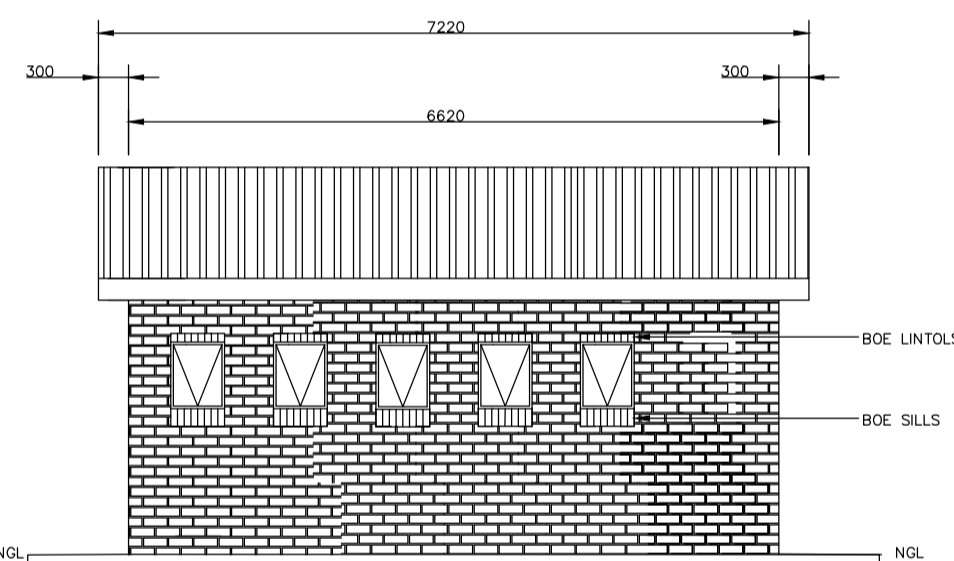
SOUTH ELEVATION
SCALE 1:75



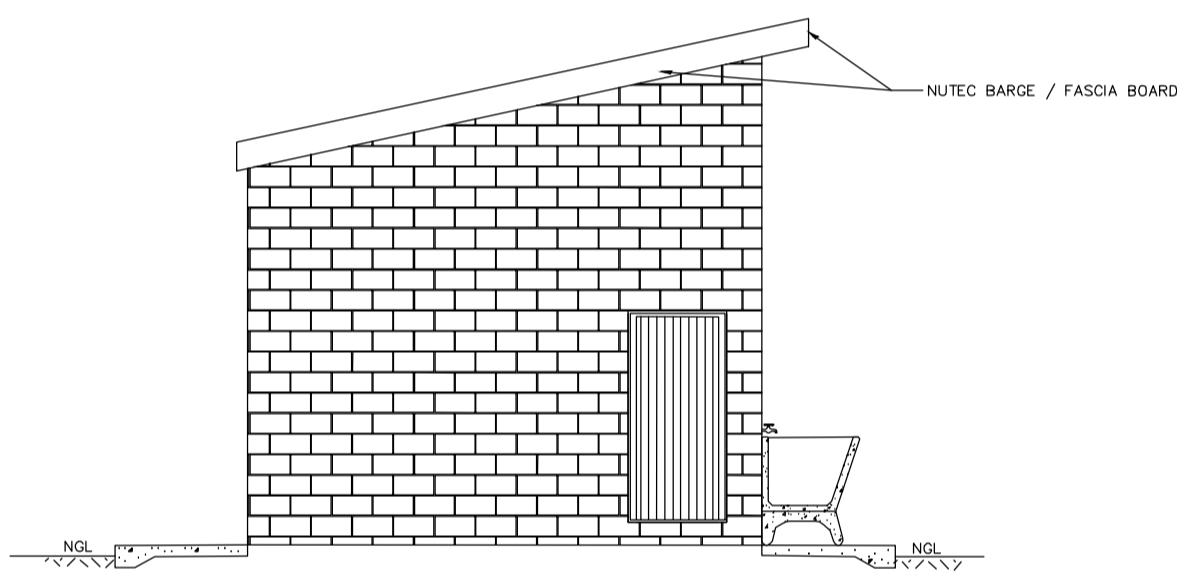
SECTION A-A
SCALE 1:75



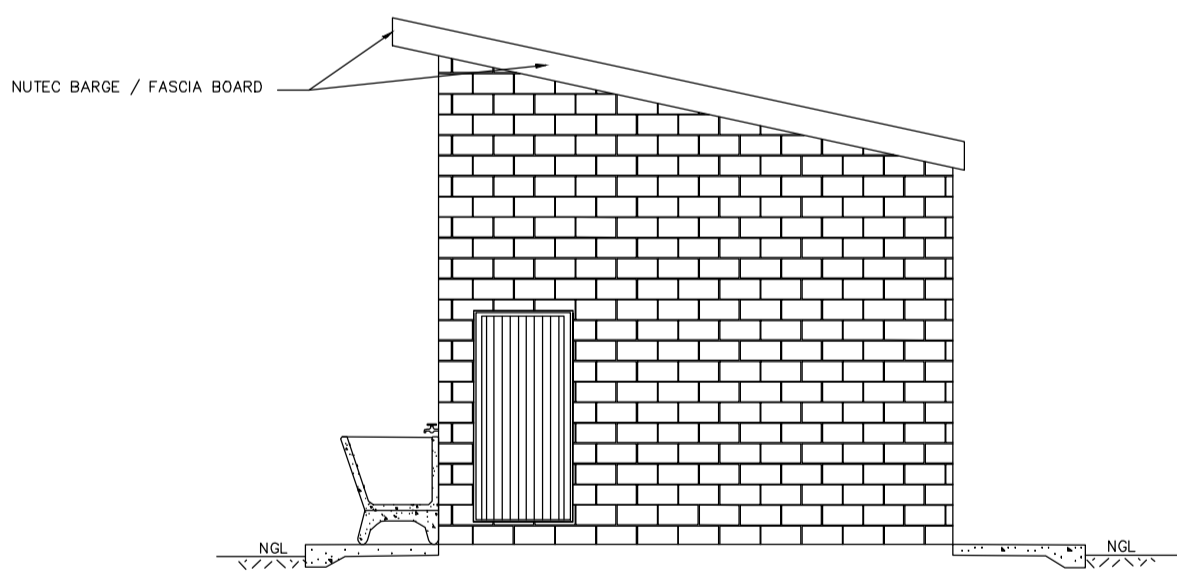
FLOOR LAYOUT
SCALE 1:75



NORTH ELEVATION
SCALE 1:75



EAST ELEVATION
SCALE 1:75



WEST ELEVATION
SCALE 1:75

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.

NOTE: ALL EXTERNAL DOORS TO HAVE GATES

DOOR NO.	DESCRIPTION	FRAME TYPE	FRAME FINISH	DOOR LEAF	LEAF FINISH	LOOK	HOMOGENEITY
1	DISABLED ENTRANCE DOOR	DOUBLE BEHAT STEEL FRAME TO FIT 200mm WALL (D1)	PRIME AND PAINT UNDERCOAT AND 2x2x PRIMER COATS IN GLOSS ENAMEL COLOUR TBC	44mm FRAME LEDGE AND BRACE DOOR SIZE 825x2025mm INCLUDING EXTERNAL WEATHER STOP	BRUSH COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC	3 LEVER HORRICE LOCK SET	100mm BRACE CABIN HOOK
2	ENTRANCE DOOR	DOUBLE BEHAT STEEL FRAME TO FIT 200mm WALL (D1)	PRIME AND PAINT UNDERCOAT AND 2x2x PRIMER COATS IN GLOSS ENAMEL COLOUR TBC	44mm FRAME LEDGE AND BRACE DOOR SIZE 825x2025mm INCLUDING EXTERNAL WEATHER STOP	BRUSH COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC	3 LEVER HORRICE LOCK SET	100mm BRACE CABIN HOOK
3	DOOR SCHEDULE	DOUBLE BEHAT STEEL FRAME TO FIT 200mm WALL (D2)	PRIME AND PAINT UNDERCOAT AND 2x2x PRIMER COATS IN BROWN VANISH GLOSS ENAMEL	44mm FRAME LEDGE AND BRACE DOOR SIZE 813 x 1914 x 44mm SEMI SLID DOOR	3x3 SPRING GOLDEN BRUSH HIGH GLOSS ENAMEL PAINT	2 LEVER HORRICE LOCK STANGERS AS PER MANUFACTURER WITH HANDLE BOLT	

WINDOW NO.	DESCRIPTION	FRAME TYPE	FRAME FINISH	GLAZING	NO. REQUIRED
1	WINDOW SCHEDULE	322 x 1914mm HIGH STANDARD STEEL WINDOW FRAME	SPRINT PRIMER SETTING IN PRIME FRAME SURFACE WITH 2x2x DUREMATE PRIMER & 2x2x COAT UNDERCOAT UNDER COAT & 2x2x COAT FINE GOLDEN BRUSH GLOSS ENAMEL PAINT ON STEEL	6.28mm OBSCURE SAFETY GLASS	2
2	WINDOW SCHEDULE	322 x 1914mm HIGH STANDARD STEEL WINDOW FRAME	SPRINT PRIMER SETTING IN PRIME FRAME SURFACE WITH 2x2x DUREMATE PRIMER & 2x2x COAT UNDERCOAT UNDER COAT & 2x2x COAT FINE GOLDEN BRUSH GLOSS ENAMEL PAINT ON STEEL	6.28mm OBSCURE SAFETY GLASS	4

NOTES AND SPECIFICATIONS:

GENERAL

- Use dimensions provided and do not scale drawing.
- All work to comply with SANS, 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 MIXES: Proportions

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

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 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 intercessions 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 galvanised pipework should be used as connection from wall to the discharge points.

GLAZING

- 6.28mm obscure safety glass
- Stainless steel mirrors size 350x450mm high.

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.

NOTES:

LEGEND:

DATE	NO.	REVISION / VARIATIONS	KUT
28.09.2023	1	ISSUED FOR TENDER	BS

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION
CNR 113 BILLARD & 24 EXCELSIOR STREET
POLOKWANE
0700

IMPLEMENTING AGENT:

THE MVULA TRUST
A leading developmental NGO

ROP 6 RHODES DRIFT OFFICE PARK
RHODES DRIFT STREET
BENDOR, POLOKWANE
0699

Tel No.: (015) 291 2405

PROJECT ENGINEERS:

KUTLO CONSULTING ENGINEERS

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THABAZIMBI
0380

Tel No.: 014 312 0112
Fax No.: 086 674 3237
E-mail: admin@kutloconsulting.co.za

PROJECT:
LIMPOPO DEPARTMENT OF EDUCATION

WATER, SANITATION AND FENCING PROGRAMME

TITLE:
LAERSKOOL BYSONDERHEID
MD2+2 UR (BOYS) - WATERBORNE
2x SEATS, 2x URINALS, 1x DISABLED

DRAWING No.: **K1000-LB-003**

SCALE: 1:75 DESIGNED: BS

DRAWN: KN

DATE: SEPTEMBER 2023 APPROVED: BS

REV. NO. 1