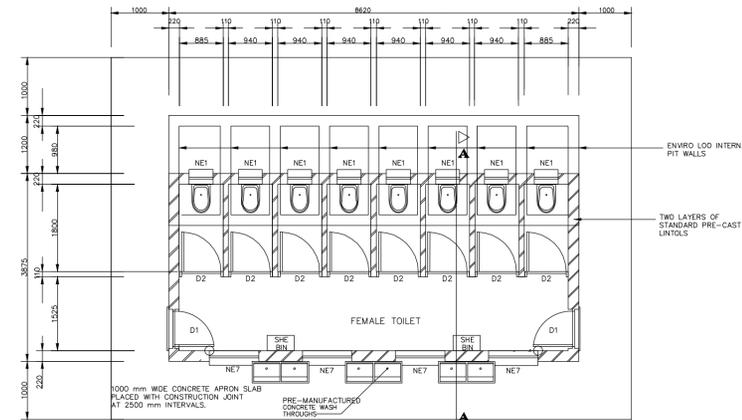
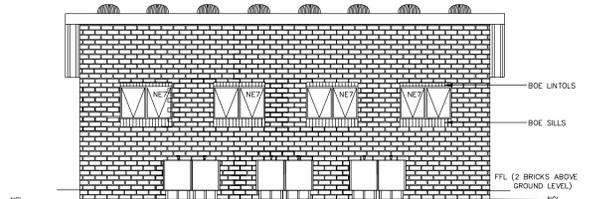


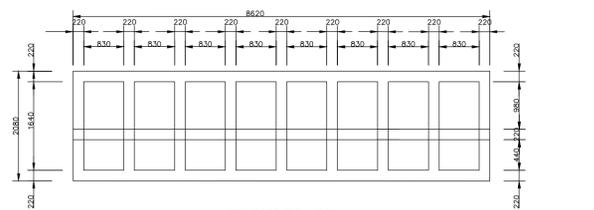
NORTH ELEVATION
SCALE 1:75



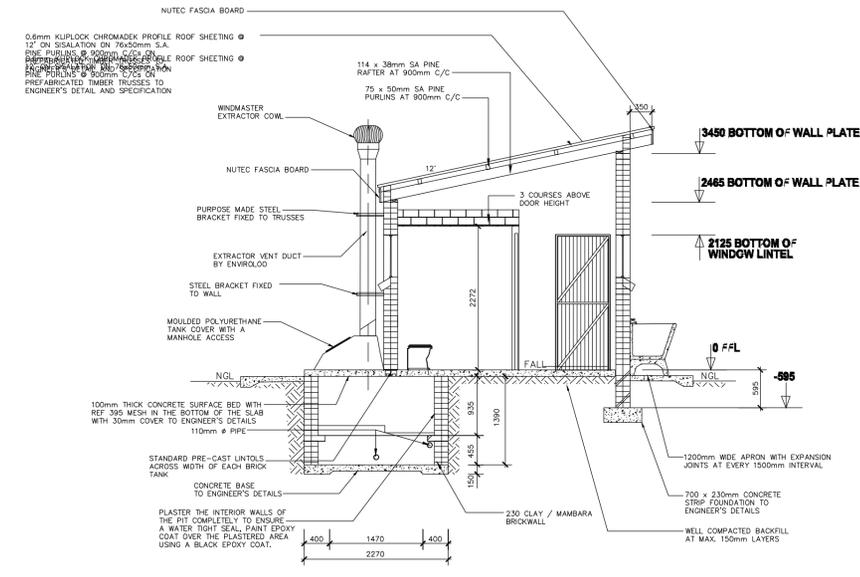
FLOOR LAYOUT
SCALE 1:75



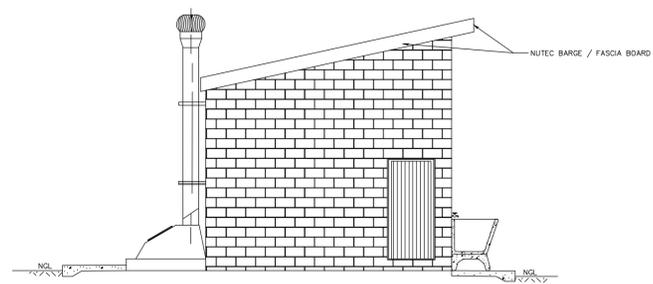
SOUTH ELEVATION
SCALE 1:75



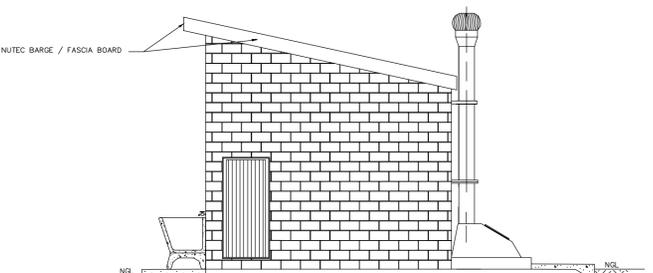
TANK PLAN
SCALE 1:75



SECTION A-A
SCALE 1:75



EAST ELEVATION
SCALE 1:75



WEST ELEVATION
SCALE 1:75

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

NOTES AND SPECIFICATIONS:

GENERAL

1. Use dimensions provided and do not scale drawing.
2. All work to comply with SANS, PW371 and SABS.
3. All dimensions, levels and positions to be verified on site prior to construction.
4. All concrete work to be as per Engineer's details and specifications.
5. All pits to face North.
6. All brickwork have brickforce at every 2nd course in pit lining and 3rd course in superstructure.

PIT EXCAVATION

1. All stages of pit excavation to be inspected and approved by Engineer and signed off.
2. 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

1. All concrete to be as per Engineer's details and specifications.
2. 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)

3. Pre-cast concrete lintols to be used as support under top slab of pit.
4. 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

1. All pit lining / foundation brickwork to be solid NFP clay brick.
2. All internal surface of pit lining to be painted with two coats black epoxy paint installing Enviro-Loo units.

Super-structure

1. All external walls / partitions to be of clay face brick to SABS quality.
2. All cubicle partition walls to be 3 courses above door height.
3. All brickwork above door openings should have brickforce on every course at least 3 courses.
4. Air bricks: Standard 230X152mm terra-cotta vermin proofed louvered air grating to be used above all window openings.

ROOF SHEETING

1. 0.6mm kliplock chromadek roof sheeting.

ROOF TIMBER / CEILING

1. All roof timbers to be machined SABS treated wood with three coats of approved wood preservative.
2. Timber connections (Hurricane Clips) are required all intercessions between timber and purlins.
3. Sisalation is to be applied interval under all roof surfaces.

METALWORK

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

PLUMBING

1. Double concrete wash trough to be used.
2. All wash troughs should be connected to the school's water supply system and the waste water should be piped to a soakaway.
3. The soakaway should be as per Engineer's detail and position to be determined on site.
4. Only 20mm and galvanised pipework should be used as connection from wall to the discharge points.

GLAZING

1. 6.28mm obscure safety glass
2. Stainless steel mirrors size 350x450mm high.

PAINTING

1. All paintwork to comply with SABS and PW371 specification.
2. All steel window and door frames including doors and fascia / barge boards to be discharge points.

WINDOW SCHEDULE		WINDOW SCHEDULE	
WINDOW NO.	N2	WINDOW NO.	N1
CATALOGUE	NE7	CATALOGUE	NE7
FRAME FINISH	312 x 1814mm HIGH STANDARD STEEL WINDOW FRAME	FRAME FINISH	312 x 1814mm HIGH STANDARD STEEL WINDOW FRAME
GLAZING	6.28mm OBSCURE SAFETY GLASS	GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	2	NO. REQUIRED	4

ENTRANCE DOOR		DOOR SCHEDULE	
FRAME TYPE	DOUBLE BEAM STEEL FRAME TO FIT 200mm WALL (D)	DOOR NO.	D1
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2nd FINISHING COATS IN GLOSS ENAMEL COLOUR TBC	CATALOGUE	312 x 1814mm HIGH STANDARD STEEL DOOR
DOOR LEAF	312 x 1814mm HIGH STANDARD STEEL DOOR LEAF WITH 2 COATS OF PRIME AND 2 COATS OF PAINT UNDERCOAT AND 2nd FINISHING COATS IN GLOSS ENAMEL COLOUR TBC	DOOR LEAF	312 x 1814mm HIGH STANDARD STEEL DOOR LEAF
LEAF FINISH	2 COATS OF PRIME AND 2 COATS OF PAINT UNDERCOAT AND 2nd FINISHING COATS IN GLOSS ENAMEL COLOUR TBC	LEAF FINISH	312 x 1814mm HIGH STANDARD STEEL DOOR LEAF
LOOK	3 LEVER HORRICE LOOK SET	LOOK	2 LEVER HORRICE LOCK STAMPING AS PER MANUFACTURER WITH HANDLE BOLT
HORNWORKERY	100mm BRACE CARR HOOK	NO. REQUIRED	2

NOTES:

LEGEND:

08.11.22	1	ISSUED FOR TENDER	BS
DATE	NO.	REVISION / VARIATIONS	KUT

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 EXT 1
THABAZIMBI
0380

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Fax No.: 086 674 3237
E-mail: admin@kutloconsulting.co.za

PROJECT:
LIMPOPO DEPARTMENT OF EDUCATION

WATER, SANITATION AND FENCING PROGRAMME

TITLE:
SEBAKANAGA
SECONDARY SCHOOL
F8 (GIRLS)
8x SEATS

DRAWING No.: K1000-SS-004

SCALE: 1:75 **DESIGNED:** BS

DRAWN: KN

DATE: NOVEMBER 2022 **APPROVED:** BS

REV. NO.	1			
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