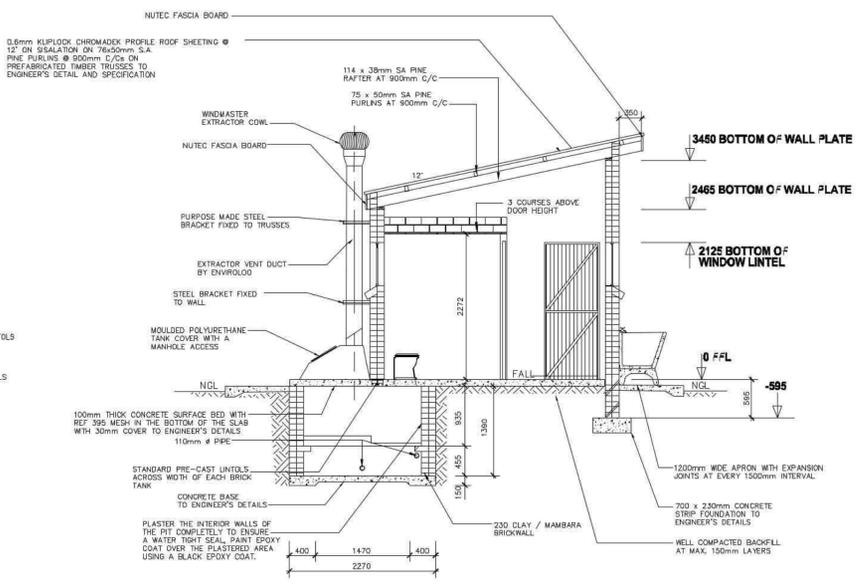
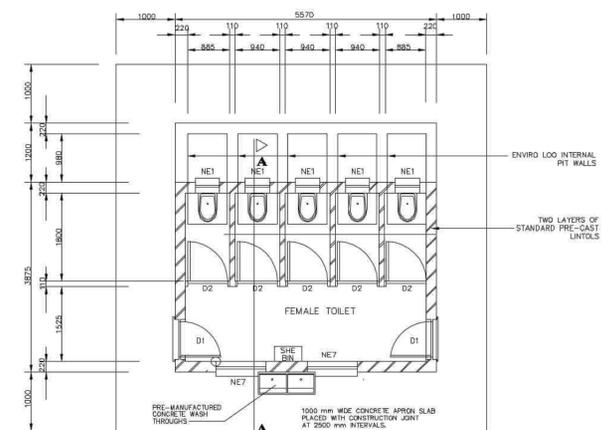


**NORTH ELEVATION**  
SCALE 1:75

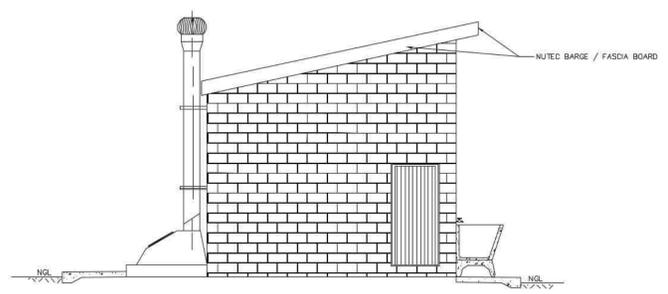


**SECTION A-A**  
SCALE 1:75

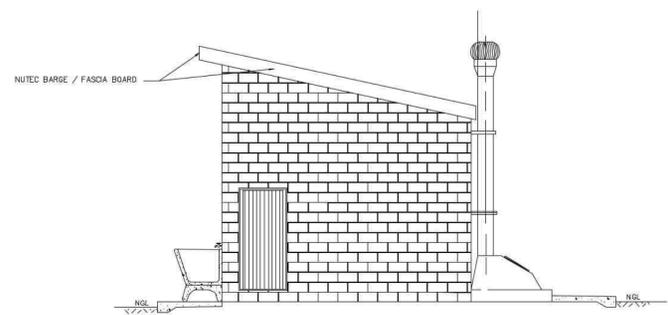
NOTE: ENVIRO LOO INSTALLATION AS PER MANUFACTURER'S SPECIFICATION AND DETAILS



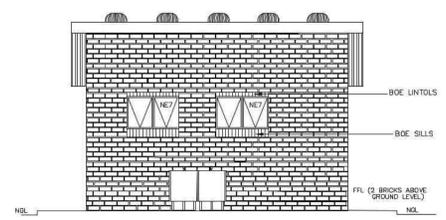
**FLOOR LAYOUT**  
SCALE 1:75



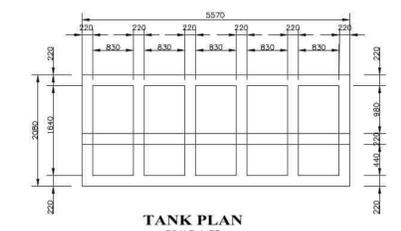
**EAST ELEVATION**  
SCALE 1:75



**WEST ELEVATION**  
SCALE 1:75



**SOUTH ELEVATION**  
SCALE 1:75



**TANK PLAN**  
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.

**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 : 0,08m<sup>3</sup> Sand : 0,09m<sup>3</sup> Stone (Volume/Bag)  
385 kg cement : 820 kg sand : 960 kg stone (Mass/m<sup>3</sup>)

- 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.

WINDOW NO.	NO.	WINDOW NO.	NO.
NE7	2	NE1	4
CATALOGUE	232 x 1840mm HIGH STANDARD STEEL WINDOW FRAME	CATALOGUE	232 x 1840mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	300µm PRIMER SYSTEMS IN PRE-PRIME SURFACE WITH 2CO. CHROMATE PRIMER & 2 CO. COLOUR UNDER COAT & 2ND COATS ENP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL	FRAME FINISH	300µm PRIMER SYSTEMS IN PRE-PRIME SURFACE WITH 2CO. CHROMATE PRIMER & 2 CO. COLOUR UNDER COAT & 2ND COATS ENP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS	GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	2	NO. REQUIRED	4

ENTRANCE DOOR	DOOR SCHEDULE
FRAME TYPE	DOOR NO.
FRAME FINISH	CATALOGUE
DOOR LEAF	DOOR LEAF
LEAF FINISH	LEAF FINISH
LOOK	LOOK
ROMBERGERY	NO. REQUIRED

**NOTES:**

**LEGEND:**

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

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

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PROJECT ENGINEERS:

**KUTLO**  
CONSULTING ENGINEERS

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PROJECT:

**LIMPOPO DEPARTMENT OF EDUCATION**

**WATER, SANITATION AND FENCING PROGRAMME**

TITLE:

**AQUAVILLE COMBINED SCHOOL**  
F5 (GRADE 8-9 GIRLS)  
5x SEATS

DRAWING No.: **K1000-AC-008**

SCALE:	1 : 75	DESIGNED:	BS
		DRAWN:	KN
DATE:	NOVEMBER 2022	APPROVED:	BS
REV. NO.	1		