



**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:

Trial 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 SCHEDULE		WINDOW SCHEDULE	
WINDOW NO.	N2	WINDOW NO.	N1
CATALOGUE	NE7	CATALOGUE	NE7
FRAME	1222 x 1222mm HIGH STANGARD STEEL WINDOW FRAME	FRAME	1222 x 1222mm HIGH STANGARD STEEL WINDOW FRAME
FRAME FINISH	SELF PRIMING INTERIOR IN PRE-PRIME SURFACET WITH TWO COATS OF EPOXY UNDER COAT & TWO COATS OF PRIMER GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL	FRAME FINISH	SELF PRIMING INTERIOR IN PRE-PRIME SURFACET WITH TWO COATS OF EPOXY UNDER COAT & TWO COATS OF PRIMER 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	DOUBLE DESHTE STEEL FRAME TO FIT 2000mm WALL (20)	DOOR NO.	DOOR DESHTE STEEL FRAME TO FIT 2000mm WALL (20)
FRAME FINISH	PRIME AND PRIME UNDERCOAT AND 2ND COAT PRIMER GOLDEN BROWN GLOSS ENAMEL COLOUR 100	CATALOGUE	PRIME AND PRIME UNDERCOAT AND 2ND COAT PRIMER GOLDEN BROWN GLOSS ENAMEL COLOUR 100
DOOR LEAF	1200mm PRIME GOLDEN BROWN GLOSS ENAMEL COLOUR 100	DOOR LEAF	1200mm PRIME GOLDEN BROWN GLOSS ENAMEL COLOUR 100
LEAF FINISH	1200mm PRIME GOLDEN BROWN GLOSS ENAMEL COLOUR 100	LEAF FINISH	1200mm PRIME GOLDEN BROWN GLOSS ENAMEL COLOUR 100
LOOK	3 LEVER WORKING LOCK SET	LOOK	3 LEVER WORKING LOCK SET
ROMANCERY	1200mm BRASS CHAIN LOCK	NO. REQUIRED	2

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 BILLIARD & 24 EXCELSIOR STREET  
POLOKWANE  
0700

IMPLEMENTING AGENT:

**THE MVULA TRUST**  
A leading developmental NGO

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PROJECT ENGINEERS:

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PROJECT:

LIMPOPO DEPARTMENT OF EDUCATION

WATER , SANITATION AND FENCING  
PROGRAMME

TITLE:

AQUAVILLE  
COMBINED SCHOOL  
M4 (GRADE 1-7 BOYS)  
3x SEATS, 4x URINALS, 1x DISABLED

DRAWING No.: K1000-AC-005

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