

FD9



1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATION AND SABS 0405 OF 1999
2. CONTRACTOR TO READ ONLY FIGURED DIMENSION
3. CONTRACTOR TO VERIFY ALL DIMENSION ON SITE BEFORE COMMENCING WITH ANY WORK.

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.
5. All brickwork have brickforce at every 2nd course in pit lining and 3rd course in superstructure.

1. All stages of pit excavation to be inspected and approved by Engineer and signed off
2. All pit lining to be inspected by EnviroLoos Services before slab casting.

All ground surfaces receiving concrete floors / slab should be compacted to 150mm layers 93% ModAASHTO density before casting concrete.

1. All concrete to be as per Engineer's details and specifications.
2. 25 MPa strength concrete to be used throughout construction:

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.

Mixed proportions to be:
1 cement : 3 sand
(i.e.1 bag cement : 3 wheelbarrows (37 litres) sand)

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.

1. 0.6mm kliplock chromadek roof sheeting.

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 rafters and purlins.
3. Sisolation is to be applied interval under all roof surfaces.

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

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.

1. 6.28mm obscure safety glass.

PAINING

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.

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CONSULTANTS



IMPLEMENTED BY	
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PROJECT

LPDE 2019 / 20 SCHOOLS WATER AND
SANITATION PROGRAMME.

PROVINCE: LIMPOPO
DRAWING TITLE
FEMALE 9 SEAT - 1 Disabled ENVIROLOO
PUBLIC WORKS PROTOTYPE
TSHIVHADE PRIMARY SCHOOL

EMIS NUMBER	DISCIPLINE	DRAWINGS No.	STATUS	REVISION
	ARCHITECTURE	TMT-MC-MD6	C	0

FD2

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GENERAL

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Installing Enviro-Loo units

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CONSULTANTS



MGIBA CONSULTING
SUITE 3, 13 ISMINI STREET
ISMINI OFFICE PARK
BENDOR POLOKWANE, 0690
Tel: 015 065 0838
Email: info@mgibaconsulting.co.za

ARCHITECT

	SIGNATURE	DATE	SHEET SIZE A1 SCALE
DESIGNED	RN	09-11-2019	
DRAWN	DRA	09-11-2019	
VERIFIED	RN	09-11-2019	
VALIDATED	ST	09-11-2019	STATUS LEGEND I = INFORMATION P = PRELIMINARY C = CONTRACT DOCUMENT OR = OTHER

IMPLEMENTED BY	
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THE MVULA TRUST
25 RHODESDRIFT STREET
RHODESDRIFT OFFICE PARK
BENDOR EXTENSION 30
0699
TEL: 015 291 2405 FAX: 015 291 1270

SPONSOR



DEPARTMENT OF
DUCATION

PROJECT

LPDE 2019 / 20 SCHOOLS WATER AND
SANITATION PROGRAMME.

PROVINCE: LIMPOPO

DRAWING TITLE
FEMALE 2 SEAT - 1 Disabled ENVIROLOO
PUBLIC WORKS PROTOTYPE
TSHIVHADE PRIMARY SCHOOL

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