

DRAWING REFERENCE

Drawing No.	Drawing Title

NOTES

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DRAWING AMENDMENTS

No.	Amendment	Date	Appr.
1	ISSUED FOR : FOR TENDER	MAY 2021	TM

Designed	E MUDAU	Date	MAY 2021
Checked	T RAPHALALANI	Date	MAY 2021
Drawn	E MUDAU	Date	MAY 2021
Client appr.		Date	

Consultant

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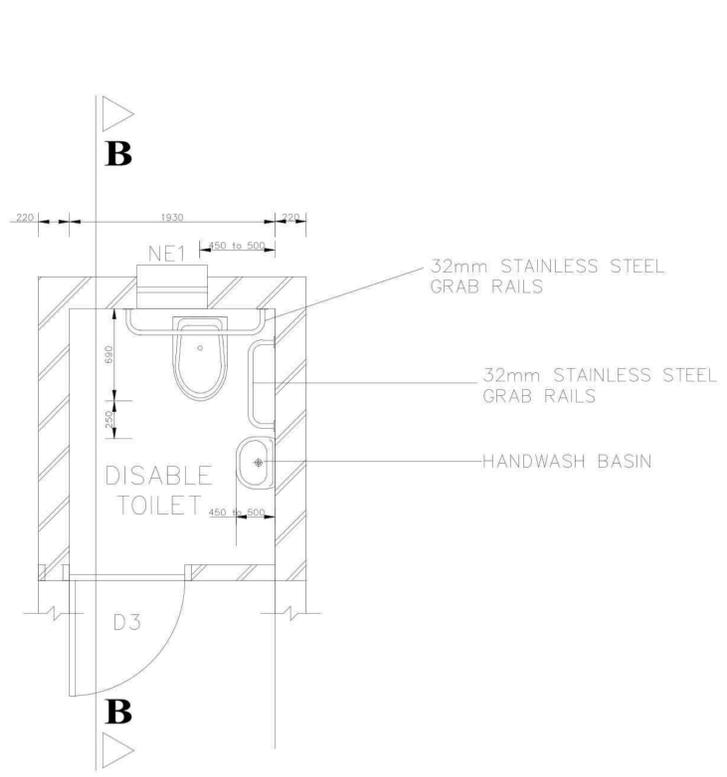
Impl. Agent **THE MVULA TRUST**
 A leading developmental NGO
LIMPOPO

Proj Name
CONSTRUCTION OF WATER & SANITATION INFRASTRUCTURE AT SERUPA PRIMARY SCHOOL IN LIMPOPO

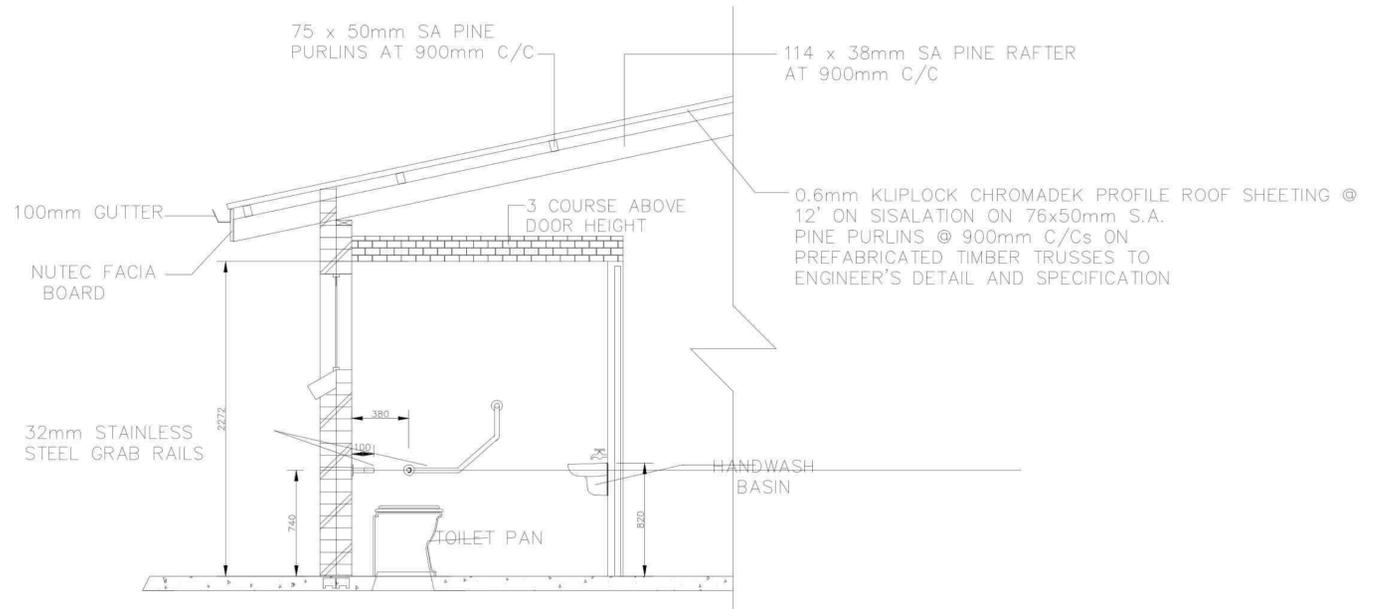
Drawing Title
GENERAL DETAILS

Proj Number	Drawing No.
TMT-LPDE-201920-LPCL5-04	TMT-LPDE-201920-LPCL5-04-002

Scale	Rev No.
N.T.S.	0



DIASBLED TOILET PLAN



SECTION B-B

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 : 0,08m³ Sand : 0,09m³ Stone (Volume/Bag)
 385 kg cement : 820 kg sand : 960 kg stone (Mass/m³)

- Pre-cast concrete lintels 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 subtile 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-coats 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

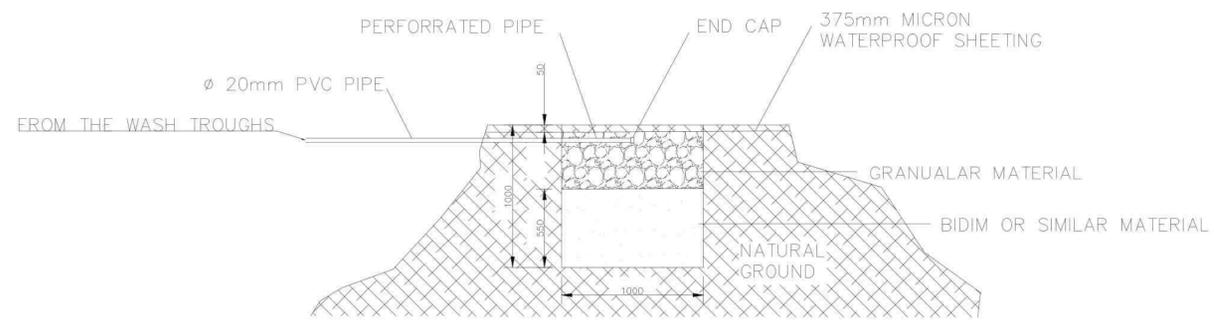
- Double concrete wash trough to be used.
- All wash troughs should be connected to the school's water supply system and the waste water should be piped to a soakaway.
- The soakaway should be as per Engineer's detail and position to be determined on site.
- Only 20mm and galvanised pipework should be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

GLAZING

- 6.28mm obscure safety glass on top nine panes.

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.



SOAKAWAY