







- NOTES AND SPECIFICATIONS:
 GENERAL

 1. Use dimensions provided and do not sclae 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.

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- lining and 3rd course in

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.

- All ground surfaces receiving concrete floors / slab should layers 93% ModAASHTO density before casting concrete. COMPACTION OF SURFACES be compacted to 150mm
- CONCRETE WORKS

- All concrete to be as per Engineer's details and specifications.
 2.5 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)
 3. 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
 All internal surface of pit lining to be painted with two installing Enviro-Loo units. y brick. coats black expoxy paint

MAPOXE
Consulting Engineers

- 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 brickwark above door openings should have brickforce on evry course at least 3
- courses.

 4. Air bricks: Standard 230X152mm terra—colts vermin proofed lourved air grating to be used all window openings.

1. 0.6mm kliplock chromadek roof sheeting. ROOF SHEETING

- ROOF TIMBER / CEILING
- 1. All roof timbers to be machined SABS treated wood with
- preservative.

 2. Timber connections (Hurricane Clips) are required all intercessions between timber rafters 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.
- 1. 6.28mm obscure safety glass

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.

CONSULTANTS

	SIGNATURE	DATE	SHEET SIZE
	EA	14.11.2019	2
DRAWN	PN	14.11.2019	
	EA	14.11.2019	STATUS LEGEND

IMPLEMENTED BY







EDUCATION

TANK PLAN

GENERAL NOTES:

ALL WARE TO BE CARRED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATION AND SARS GHOO OF 1890 ONLY FIGURED DIMENSION CONTRACTOR TO READ ONLY FIGURED DIMENSION CONTRACTOR TO REFY ALL DIMENSION ON SITE BEFORE COMMENCING WITH ANY WIDEN.

DZINDI PRIMARY SCHOOL

GRADE R 3 SEATS, 1 DISABLED, 4 URINAL ENVIROLOO GRD3 - GRADE R BOYS

CIVIL ENGINEERING MCE-GRD3-DZ1 4