

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.

5. All brickwork have brickforce at every 2nd course in pit lining and 3rd course in All stages of pit excavation to be inspected and approved by Engineer and signed
 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 lining and 3rd course in NO. DATE REVISION

PIT EXCAVATION

CONCRETE WORKS

BRICKWORK Sub-structure 1. All concrete to be as per Engineer's details and specifications.
2. 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: 0.08m3 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... MORTAR Mixed proportions to be:
1 cement : 3 sand
(i.e.1 bag cement : 3 wheelbarrows (37 litres) sand) All pit lining $\!\!\!/$ foundation brickwork to be solid NFP clay All internal surface of pit lining to be painted with two c installing Enviro-Loo units.

Super-structure

1. All external walls / partitions to be of alay 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 evry course at least courses.

4. Air bricks: Standard 230X152mm terra—colts vermin proofed lourved air grating to be used above all window openings. ROOF SHEETING y brick. coats black expoxy paint

preservative.

Timber connections (Hurricane Clips) are required all intercessions between timber rafters and purlins.

Sisolation is to be applied interval under all roof surfaces. ROOF TIMBER / CEILING . All roof timbers to be machined SABS treated wood with . three coats of approved

0.6mm kliplock chromadek roof sheeting

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 sookaway.

3. The sookaway should be as per Engineer's detail and position to be determined on 4. Only 20mm and galvanised pipework should be used as connection from wall to the discharge points.

GLAZING 1. 6.28mm obscure safety glass.

PAINTING
1. All paintwork to comply with SABS and PW371 specification.
2. All steel window and door frames including doors and fascic discharge points. fascia / barge boards to be

THE MVULA TRUST
06 RHODESDRET OFFICE PARK
PB_VDRSK_RIA
08:90
08:90
TEL: 015 291 2405 FAX: 015 291 2270
SPONSOR

FEMALE 4 SEAT, 1 DISABLED ENVIROLOO F4 - GIRLS

CIVIL ENGINEERING

MCE-F4-HLAL

HLALUKWENI SECONDARY SCHOOL

n site.							wood					ч			off.				
		<	£ 2	- E					T	19	2		12	>	Т	T	T	T	T
	MPLE	VALIDATED	DRAWN	DESIGNED							CIVILE	ARCHITECT	Γ	Ī			T		
	IMPLEMENTED	-	P. P.	Ē	SIGNATURE						ENGINEER		100	TECT	Ī	Ī			T
	Y8 O3)					MAPOXE CI 100 MCDON POLOKWAN 0787 TEL: 015 29					<u>0</u>								
	Υ					MAPOXE CONSULTING ENGINEERS 100 MCDONALD AVENUE POL CXWAME TEL: 015 291 2101/ 2068													
		-	14.11.2019	14.11.2019	DATE	NG INCERES													
		T = TENDOR TON T = TENDOR C = CONSTRUCTION AB= AS BULT	1 5	SCALE	SHEET										ļ	+	-	+	\downarrow
		MATION TRUCTION		-	Δ1				П										