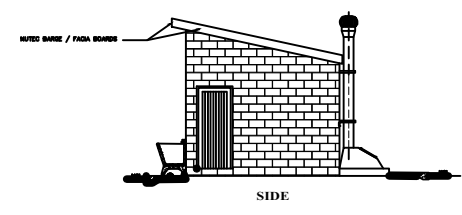
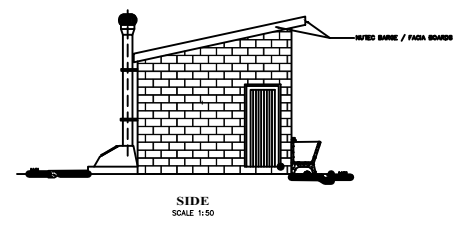
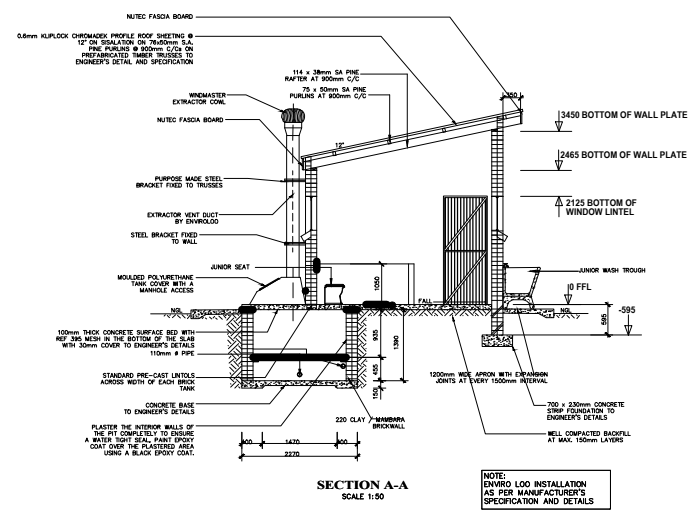
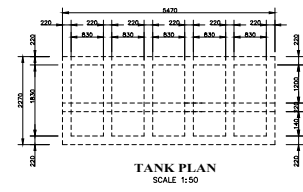
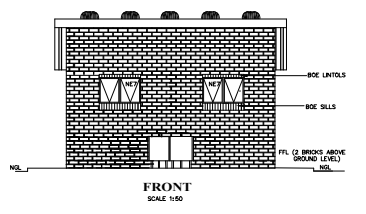
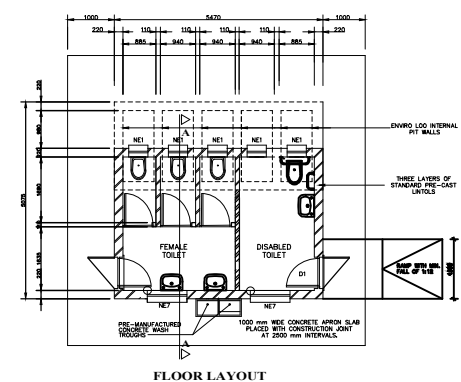
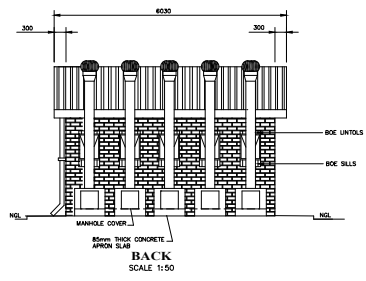


GRD 3



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.

WINDOW SCHEDULE		WINDOW SCHEDULE	
WINDOW NO.	W1	WINDOW NO.	W2
CATALOGUE	NET	CATALOGUE	NET
FRAME	100% ANODISED ALUMINIUM WINDOW FRAME	FRAME	100% ANODISED ALUMINIUM WINDOW FRAME
FRAME FINISH	100% ANODISED ALUMINIUM WINDOW FRAME	FRAME FINISH	100% ANODISED ALUMINIUM WINDOW FRAME
GLAZING	6.38mm OBSCURE SAFETY GLASS	GLAZING	6.38mm OBSCURE SAFETY GLASS
NO. REQUIRED	2	NO. REQUIRED	5

ENTRANCE DOOR		BUGLAR DOOR	
FRAME TYPE	STEEL REINFORCED CONCRETE FRAME	TYPE 01	2 OFF
FRAME FINISH	PAINTED AND FINISHED TO SABS SPECIFICATION	DOOR TYPE	INTERNAL TOILET BLOCK
DOOR LEAF	100% ANODISED ALUMINIUM WINDOW FRAME	DOOR TYPE	INTERNAL TOILET BLOCK
LEAF FINISH	100% ANODISED ALUMINIUM WINDOW FRAME	DOOR TYPE	INTERNAL TOILET BLOCK
LOOK	100% ANODISED ALUMINIUM WINDOW FRAME	DOOR TYPE	INTERNAL TOILET BLOCK
REMARKS	100% ANODISED ALUMINIUM WINDOW FRAME	DOOR TYPE	INTERNAL TOILET BLOCK

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:

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 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 cubic 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-cotts vermin proofed louvered air grating to be used above all window openings.

ROOF SHEETING

- 0.6mm Kiplock 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

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.

NO.	DATE	REVISION	DRAWN

CONSULTANTS

TSHASHU CONSULTING & PROJECT MANAGERS

TS Consulting

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 POLOKWANE
 0700

TEL (015) 291 4365
 FAX (015) 291 5392

SIGNATURE	DATE	SHEET SIZE
DESIGNED MASHABA R	26-01-2016	A3
DRAWN MARAISANE MR	26-01-2016	SCALE
VERIFIED NELUHENI PD	26-01-2016	STATUS LEGEND
VALIDATED		1 - PROPOSED 2 - UNDER CONSTRUCTION 3 - AS BUILT

IMPLEMENTED BY

THE MVULA TRUST
 A leading developmental NGO

THE MVULA TRUST
 58A LANDROSE MARE STREET
 POLOKWANE
 0899
 TEL: 015 291 2405 FAX: 015 291 1270

SPONSOR

PROJECT

LETLAMORENG PRIMARY SCHOOL-GRD3

PROVINCE: LIMPOPO

DRAWING TITLE

**3 SEATS-UNISEX
 1 SEAT-DISABLED
 3 BASINS**

EMIS NUMBER	DISCIPLINE	DRAWING No.	STATUS	REVISION