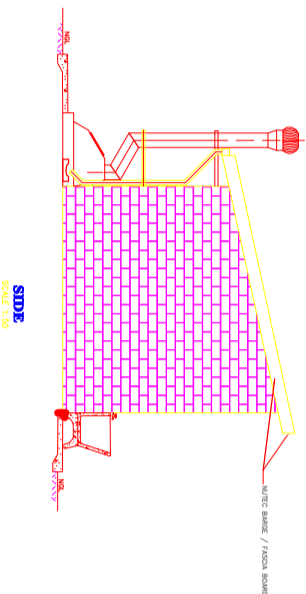
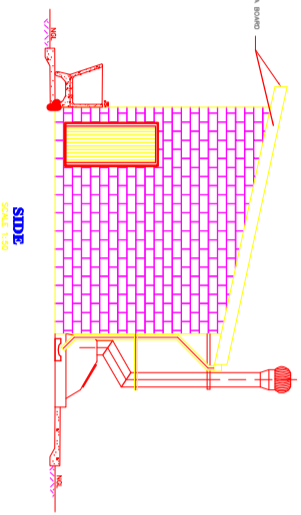
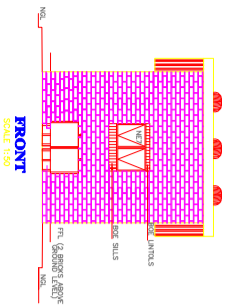
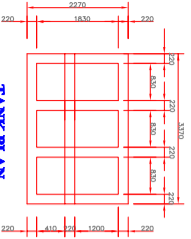
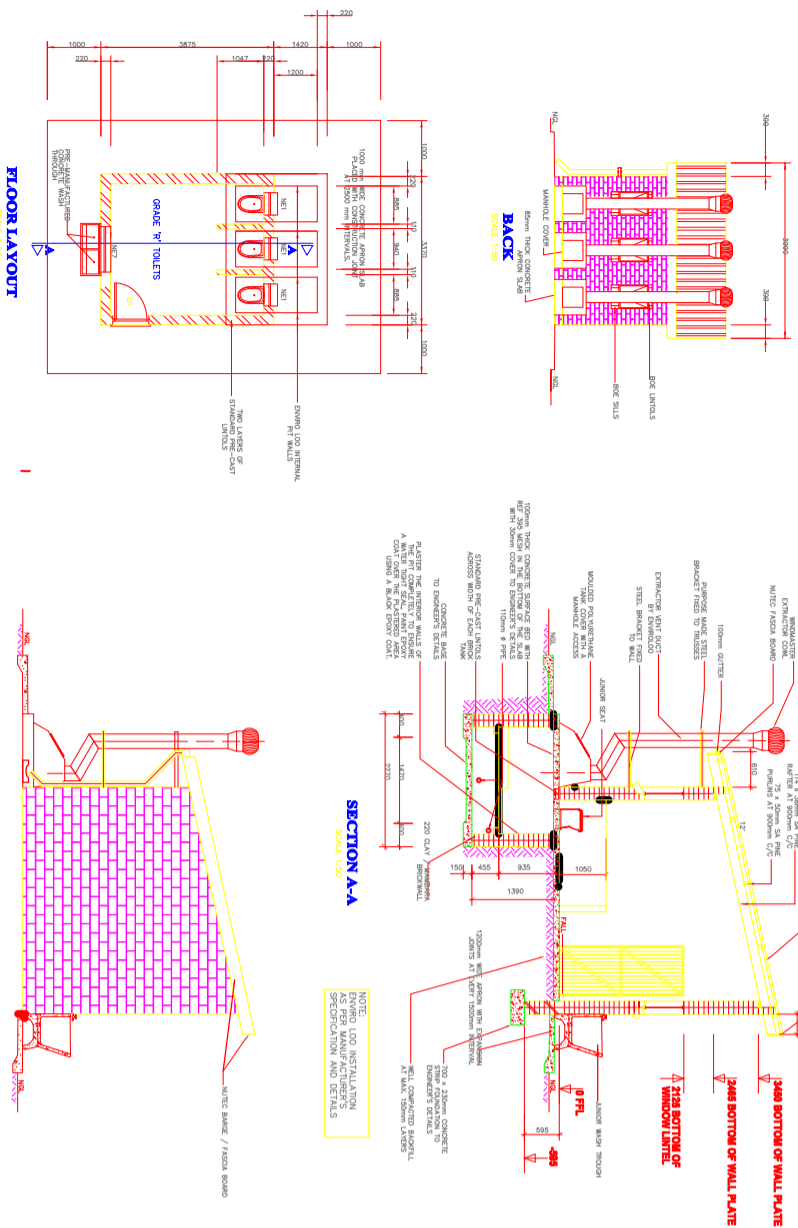


# GRD1



- GENERAL NOTES:**
1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATION AND SABS (OBSOLETE) OF 1990.
  2. CONTRACTOR TO VERIFY ALL DIMENSION ON SITE.
  3. CONTRACTOR TO VERIFY ALL DIMENSION ON SITE.

WINDOW SCHEDULE		WINDOW SCHEDULE	
WINDOW NO.	W1	WINDOW NO.	W2
CONTOUR	W1	CONTOUR	W2
FRAME FINISH	W1	FRAME FINISH	W2
GLASSING	W1	GLASSING	W2
NO. WINDOWS	1	NO. WINDOWS	2

ENTRANCE DOOR		BUILDING DOOR	
FRAME FINISH	ENTRANCE DOOR	FRAME FINISH	BUILDING DOOR
CONTOUR	ENTRANCE DOOR	CONTOUR	BUILDING DOOR
GLASSING	ENTRANCE DOOR	GLASSING	BUILDING DOOR
NO. DOORS	1	NO. DOORS	2

- NOTES AND SPECIFICATIONS:**
- GENERAL**
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.
- PIT EXCAVATION**
1. All stages of pit excavation to be inspected and approved by Engineer and signed off.
  2. 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**
1. All concrete to be as per Engineer's details and specifications.
  2. 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 : 0,08m<sup>3</sup> Sand : 0,09m<sup>3</sup> Stone (Volume/Bag)  
 385 kg cement : 820 kg sand : 960 kg stone (Mass/m<sup>3</sup>)
3. Pre-cast concrete lintels to be used as support under top slab of pit.
4. All concrete aprons to be 1000mm wide.
- MORTAR**
- Mixed proportions to be:  
 (i.e:1 dog cement : 3 sand  
 (i.e:1 dog cement : 3 wheelbarrows (37 litres) sand)
- BRICKWORK**
- 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 insulating 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 louvred air grating to be used all window openings.
- ROOF SHEETING**
1. 0,6mm Kliploek chromadek roof sheeting.
- ROOF TIMBER / CEILING**
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. 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.
- 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 fascia / barge boards to be discharge points.

NO.	DATE	REVISION	DRAWN

**ARCHITECT**



**CONSULTANTS**

**MADING CONSULTING ENGINEERS**  
 109 MOODIEN AVENUE  
 POLOKWANE  
 TEL: 016 291 2488

NO.	DATE	REVISION
DESIGNED	14.11.2018	SCALE A1
DRAWN	14.11.2018	
CHECKED	14.11.2018	
VALIDATED	14.11.2018	

**IMPLEMENTED BY**

**THE MUYLA TRUST**  
 14 LAMORSE MARKET STREET  
 0699  
 TEL: 016 291 2488 FAX: 016 291 1200

**SPONSOR**

**LIMPOPO**  
 PROVINCIAL GOVERNMENT  
 REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF  
**EDUCATION**

**PROJECT**  
**MUTSHALINGANA PRIMARY SCHOOL**

PROVINCE: LIMPOPO  
 DRAWING TITLE  
**GRADE R 1 SEATS, 1 DISABLED  
 ENVIROLOO  
 GRD2 - GRADE R GIRLS**

DWG NUMBER	DESCRIPTION	QUANTITY	STATUS	REVISION
	CIVIL ENGINEERING	1	T	0