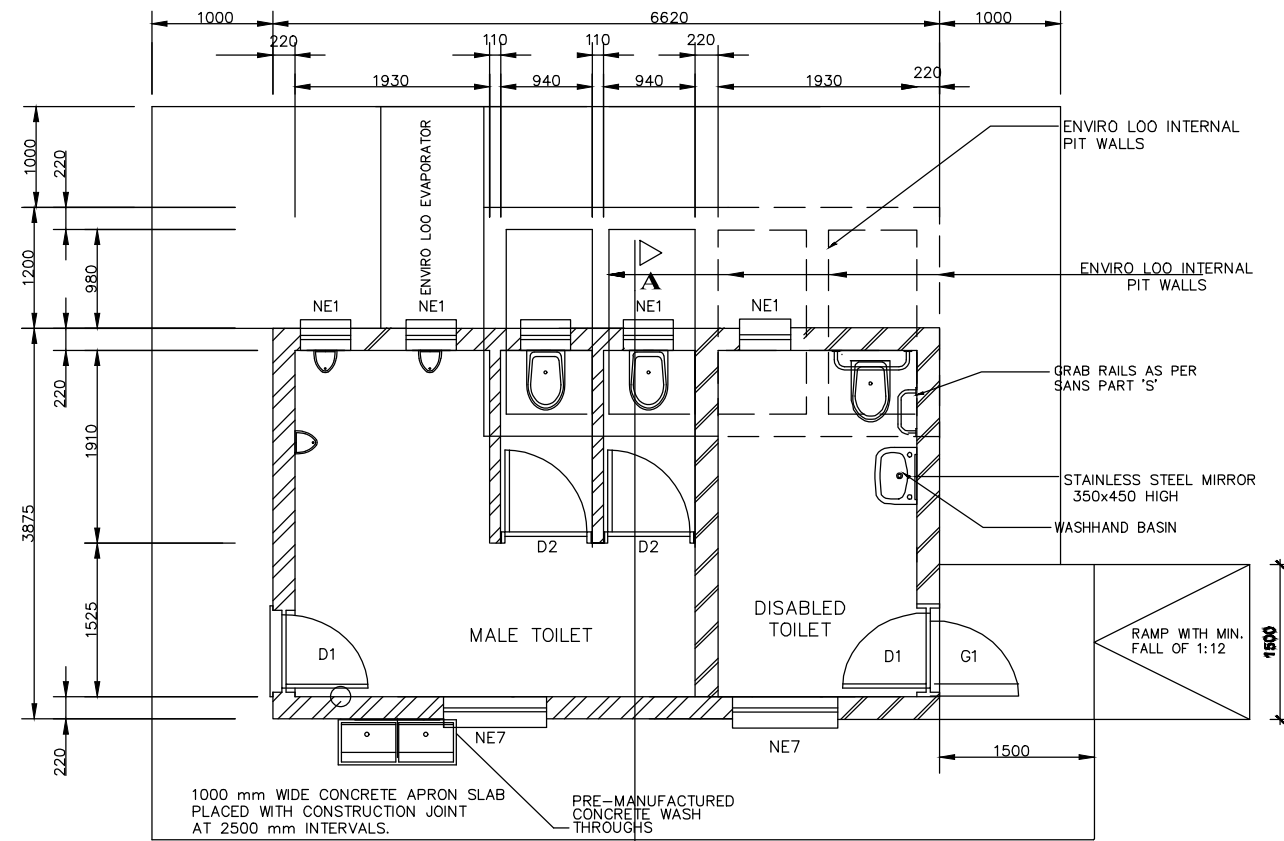
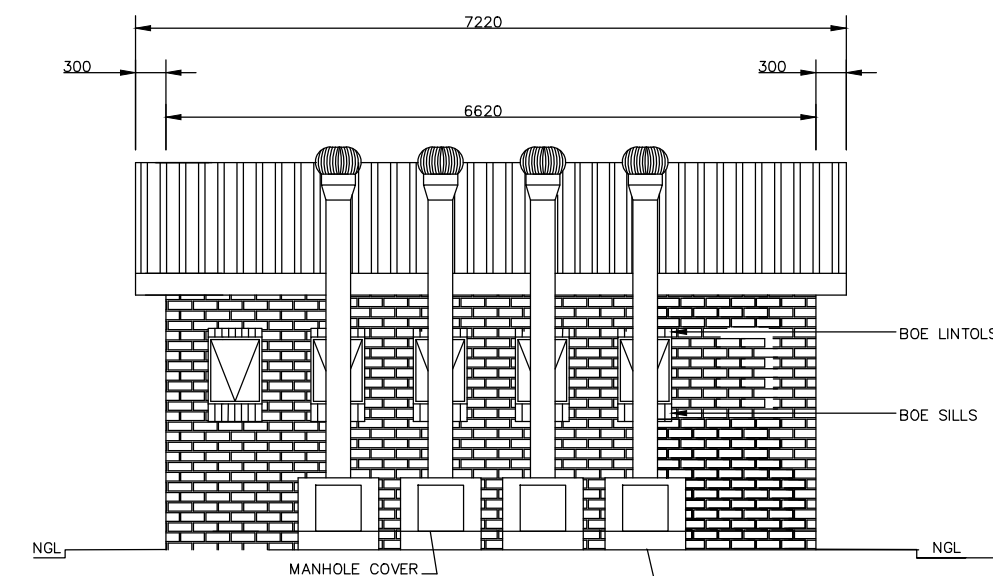


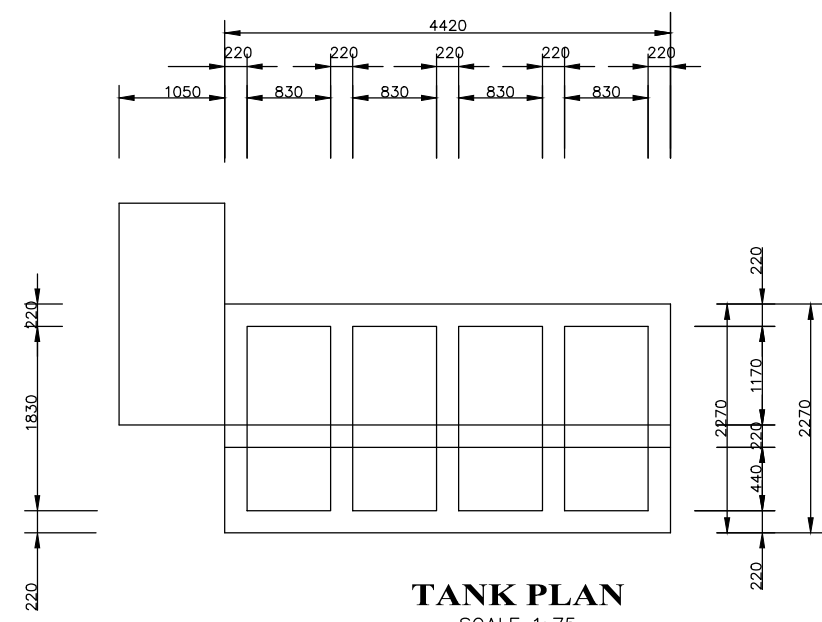
**SOUTH ELEVATION**  
SCALE 1:75



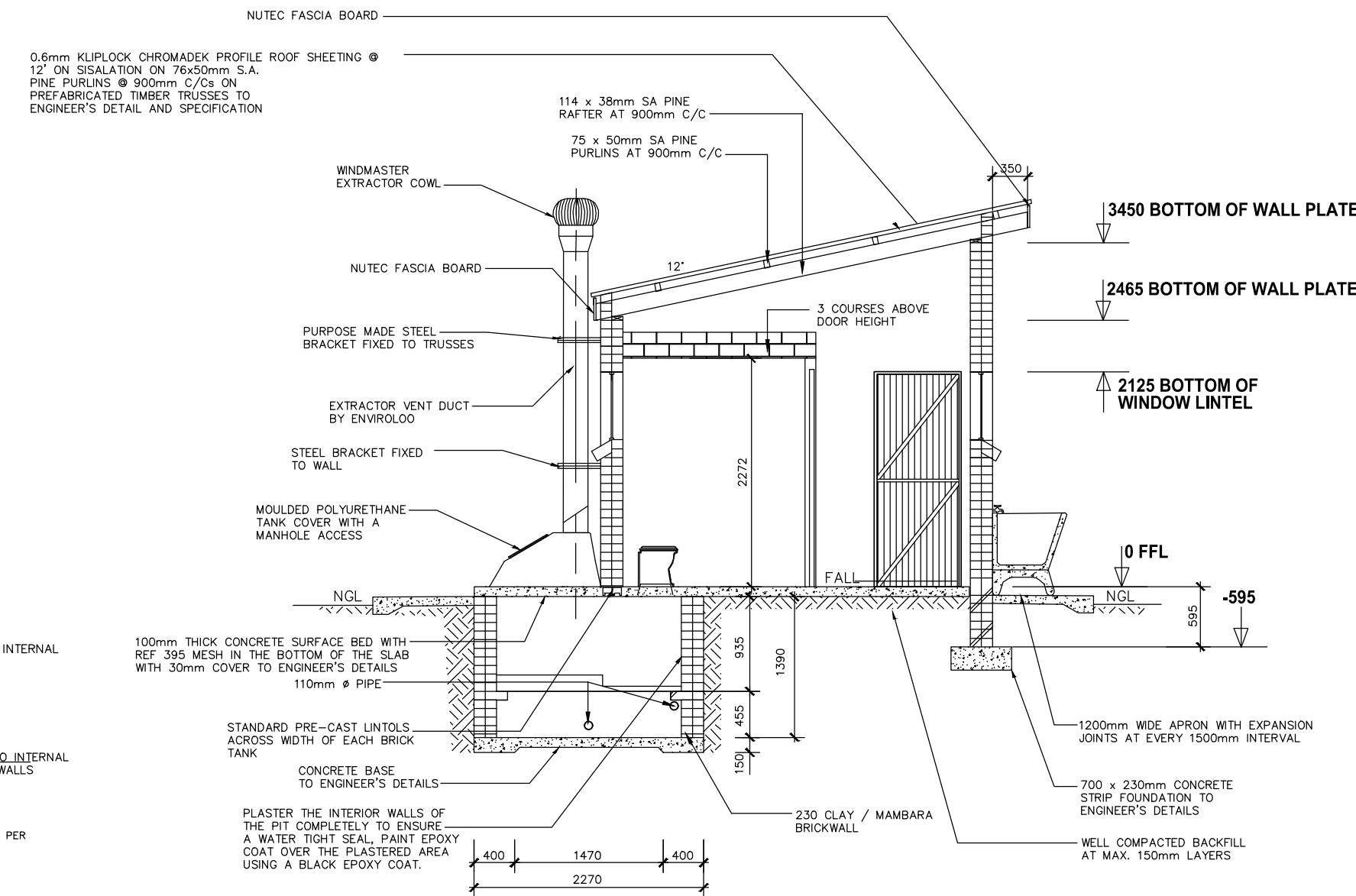
**FLOOR LAYOUT**  
SCALE 1:75



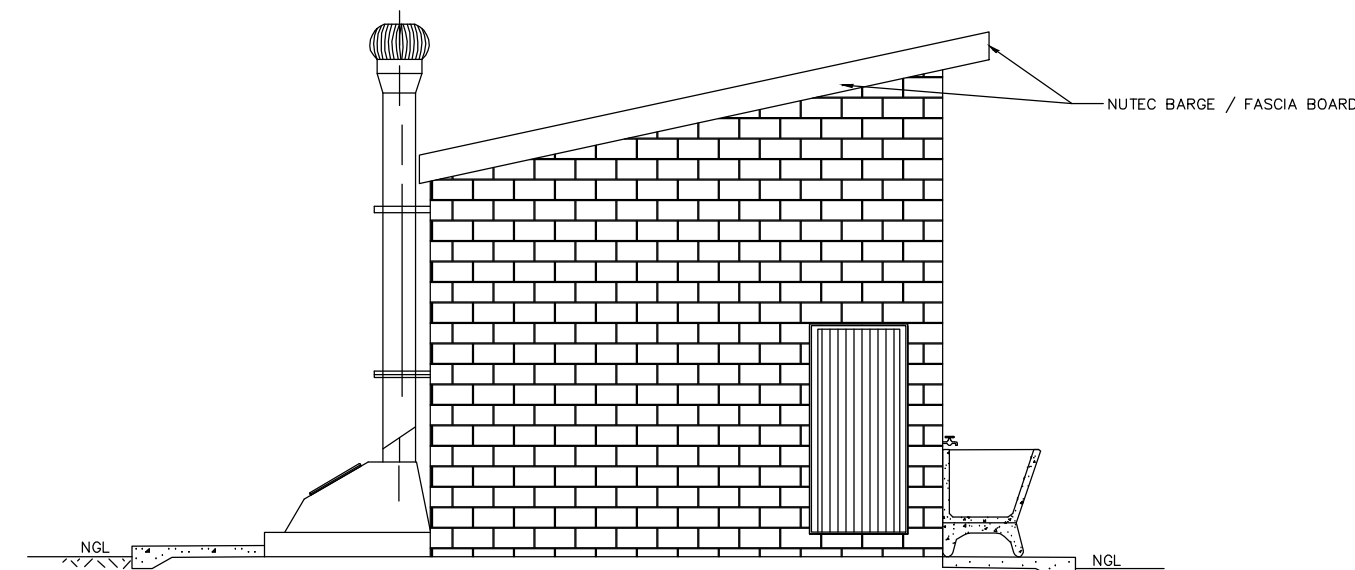
**NORTH ELEVATION**  
SCALE 1:75



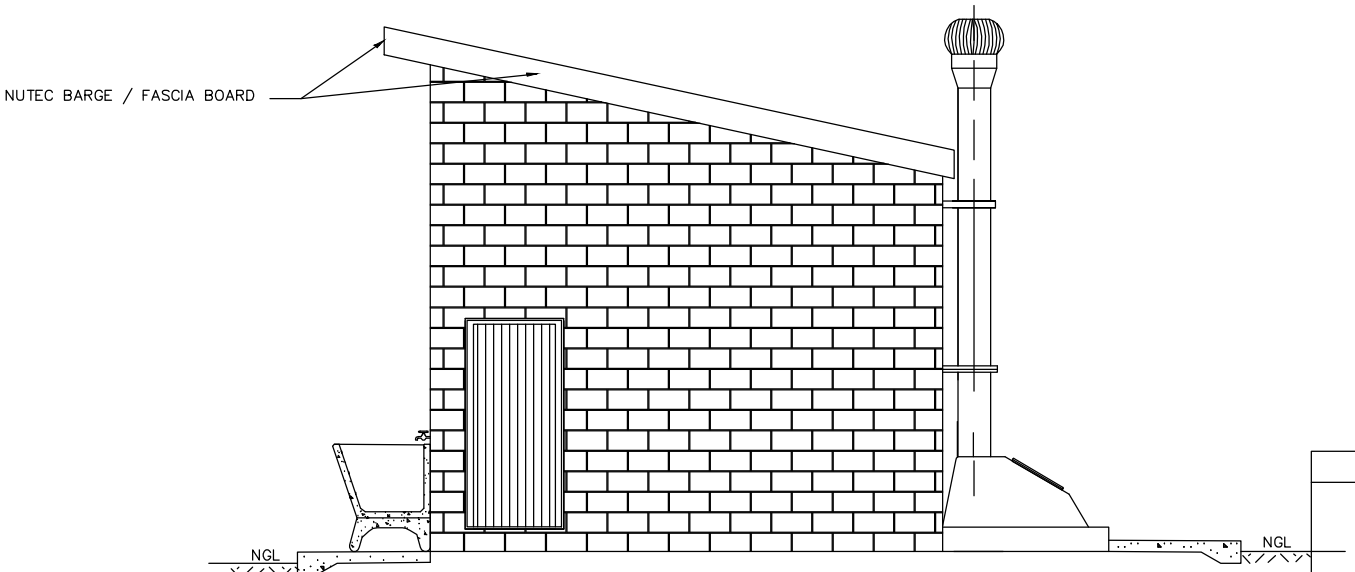
**TANK PLAN**  
SCALE 1:75



**SECTION A-A**  
SCALE 1:75



**EAST ELEVATION**  
SCALE 1:75



**WEST ELEVATION**  
SCALE 1:75

**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.

**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:

Triad 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 cubicle 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-cotta 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 at all interconnections between timber rafters and purlins.
- Sisalation is to be applied at intervals 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
- Stainless steel mirrors size 350x450mm high.

**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.

WINDOW SCHEDULE	
WIND. NO.	N2
CATALOGUE	NE7
FRAME	1252 x 684mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME PAINTED TO PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & 2 COATS OF UNDERSEAL UNDER COAT & 2 COATS OF PRIMER GOLDEN BROWN GLOSS FINISH. PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	2

ENTRANCE DOOR	
FRAME TYPE	SINGLE REIN. STEEL FRAME TO FIT 220mm WALL (22)
FRAME FINISH	PRIME AND PAINT UNDERSEAL AND 2nd PRIME COATS IN GLOSS ENAMEL COLOUR TBC
DOOR LEAF	44mm FRAMED LIGGED AND BRACED DOOR LEAF 813x1914mm INCLUDING EXTERNAL WEATHER BUSH
LEAF FINISH	PAINTED COAT FOR MINIMUM 2 COATS GLOSS ENAMEL - COLOUR TBC
LOCK	3 LEVER MORTICE LOCK SET
ORNAMENTARY	100mm BRASS CHAIN HOOK

WINDOW SCHEDULE	
WIND. NO.	N1
CATALOGUE	NE1
FRAME	1252 x 684mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME PAINTED TO PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & 2 COATS OF UNDERSEAL UNDER COAT & 2 COATS OF PRIMER GOLDEN BROWN GLOSS FINISH. PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	4

DOOR SCHEDULE	
DOOR NO.	DOOR REIN. STEEL FRAME TO FIT 220mm WALL (22)
CATALOGUE	PRIME AND PAINT UNDERSEAL AND 2nd PRIME COATS IN BROWN VANISH GLOSS ENAMEL
DOOR LEAF	813 x 1914 x 44mm SEMI SOLID DOOR
LEAF FINISH	2nd PRIME GOLDEN BROWN HIGH GLOSS ENAMEL PAINT
LOCK	2 LEVER MORTICE LOCK SET STANDARD AS PER MANUFACTURER WITH BRASS BOLT
NO. REQUIRED	2

**NOTES:**

**LEGEND:**

08.11.22	1	ISSUED FOR TENDER	BS
DATE	NO.	REVISION / VARIATIONS	KUT

**CLIENT:**



**IMPLEMENTING AGENT:**



ROP 6 RHODES DRIFT OFFICE PARK  
RHODES DRIFT STREET  
BENDOR, POLOKWANE 0699  
Tel No.: (015) 291 2405

**PROJECT ENGINEERS:**



2 HEUWELKRUIN  
THABAZIMBI EXT 1  
THABAZIMBI 0380  
Tel No.: 079 978 4501  
Fax No.: 086 674 3237  
E-mail: admin@kutloconsulting.co.za

**PROJECT:**

LIMPOPO DEPARTMENT OF EDUCATION

**WATER, SANITATION AND FENCING PROGRAMME**

**TITLE:**

SANGO COMBINED SCHOOL

GRDM3 (GRADE R BOYS)

2x SEATS, 3x URINALS, 1x DISABLED

**DRAWING No.:**

K1000-SC-003

**SCALE:**

1 : 75

**DESIGNED:**

BS

**DRAWN:**

KN

**DATE:**

NOVEMBER 2022

**APPROVED:**

BS

**REV. NO.**

1