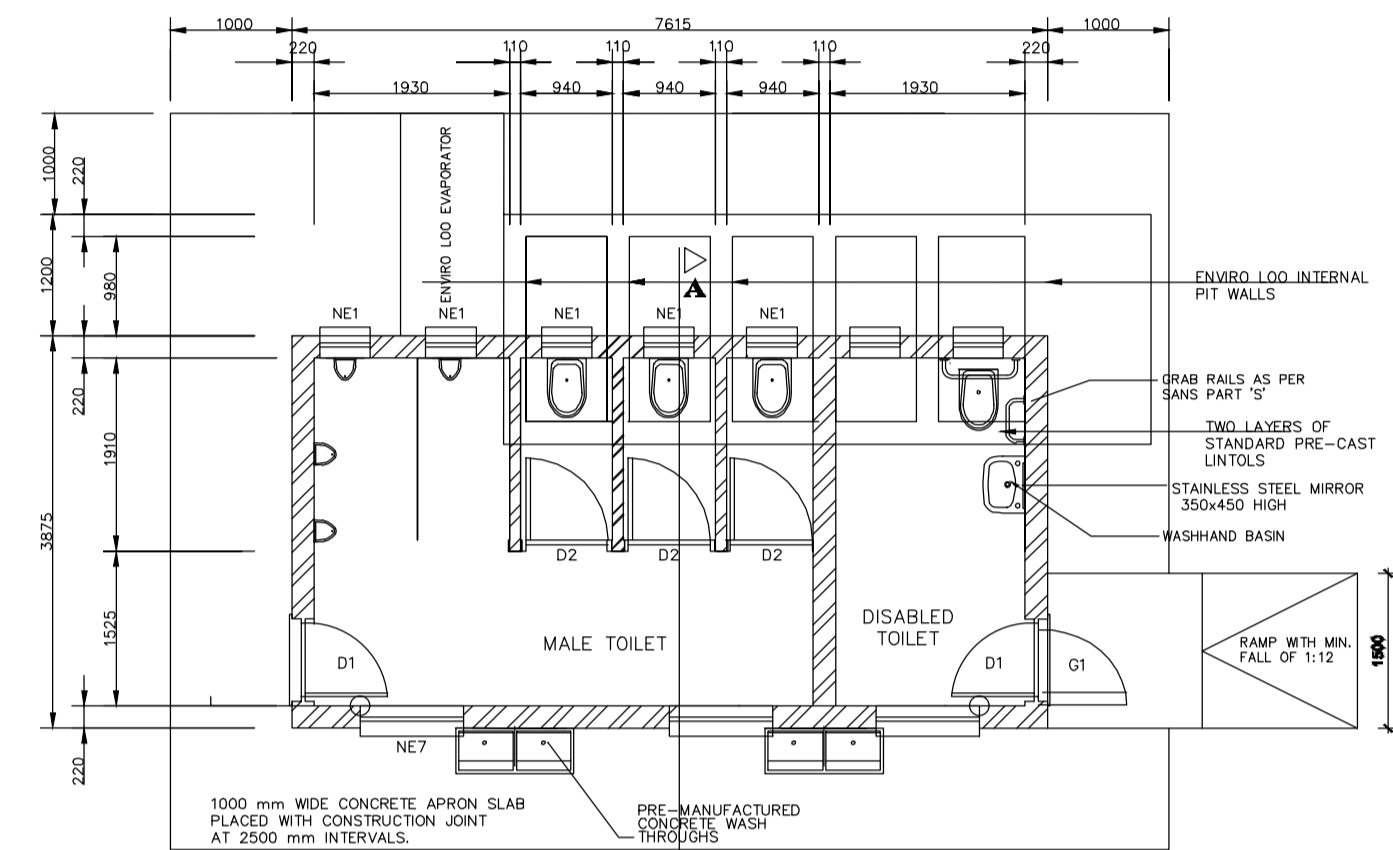
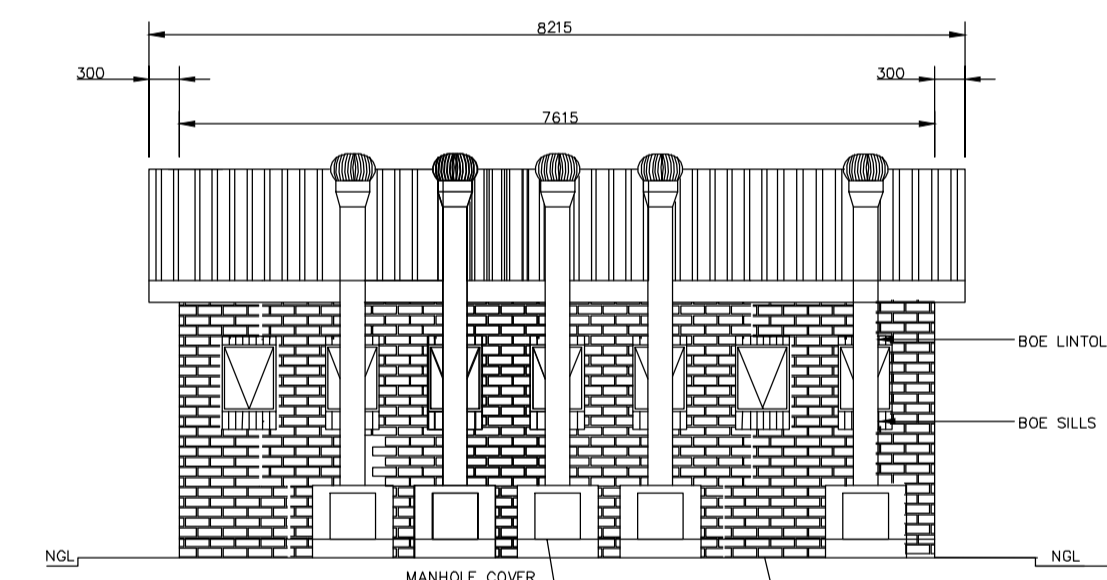


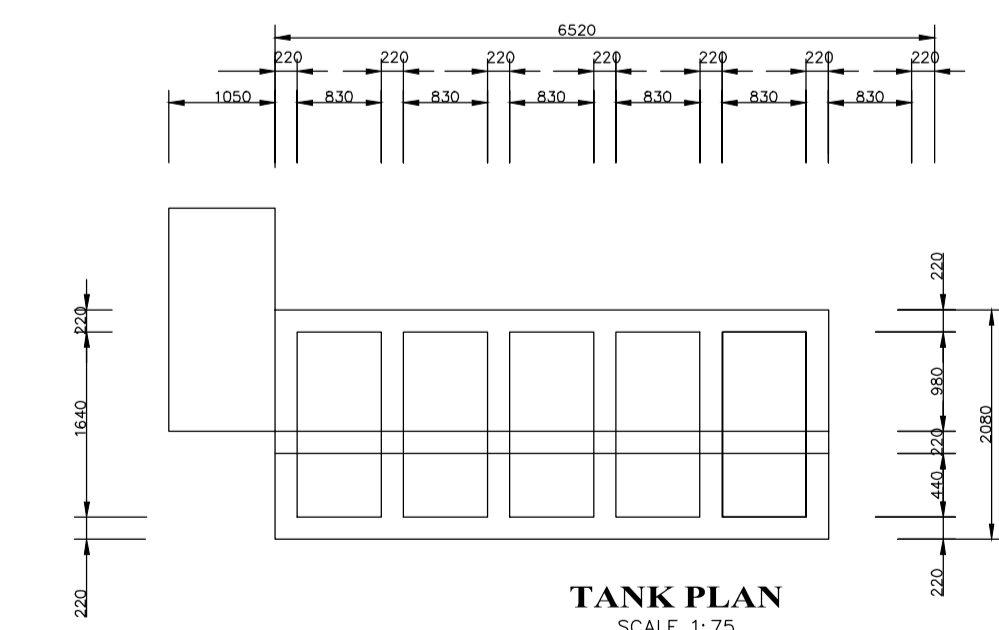
SOUTH ELEVATION
SCALE 1:75



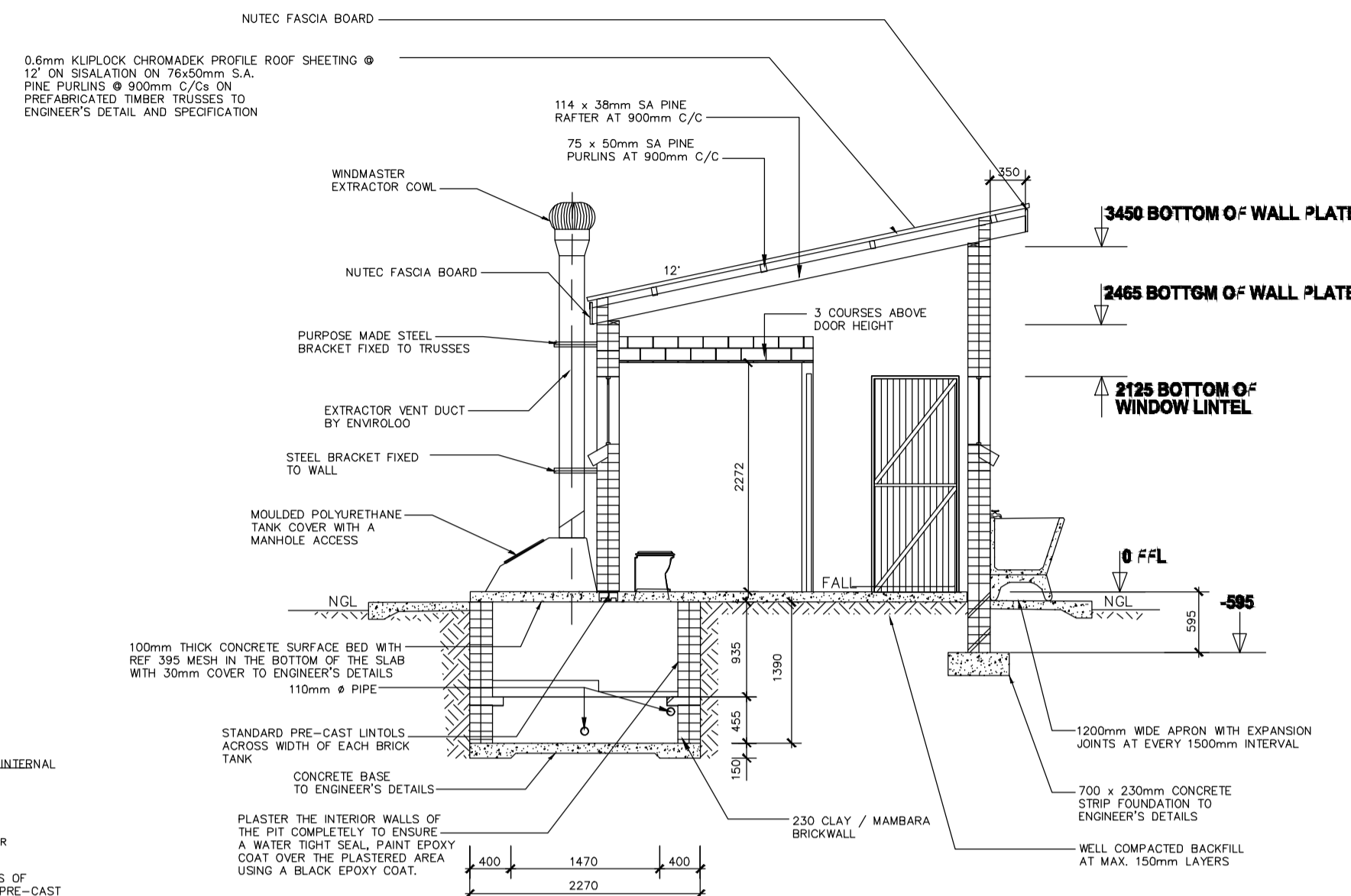
FLOOR LAYOUT
SCALE 1:75



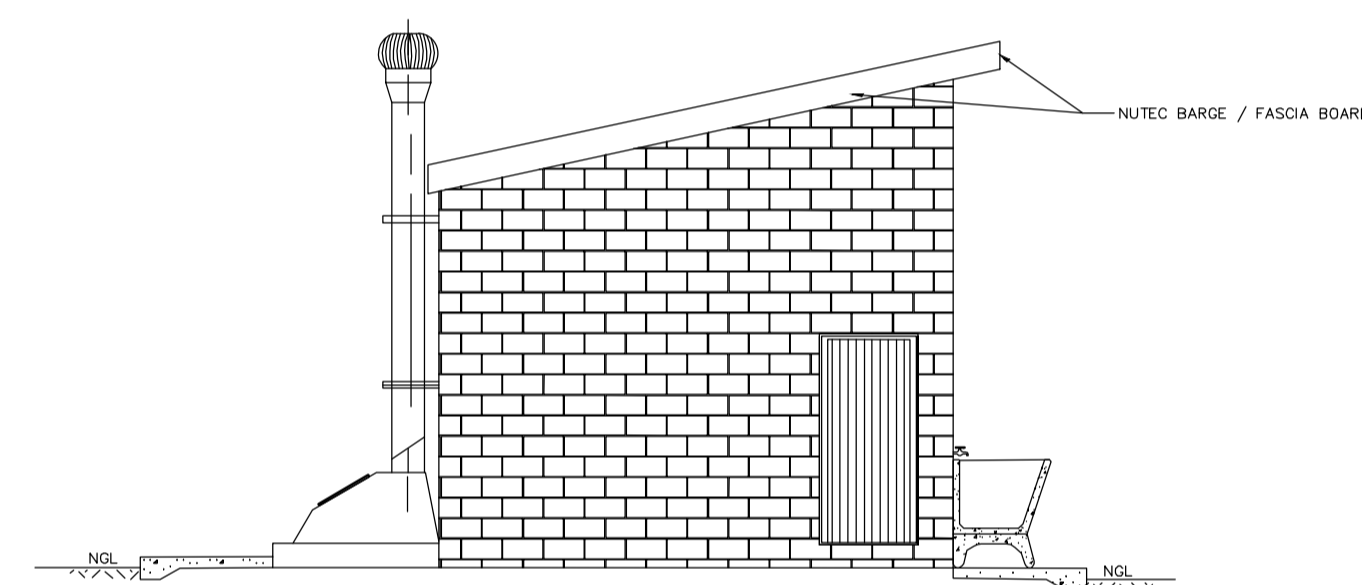
NORTH ELEVATION
SCALE 1:75



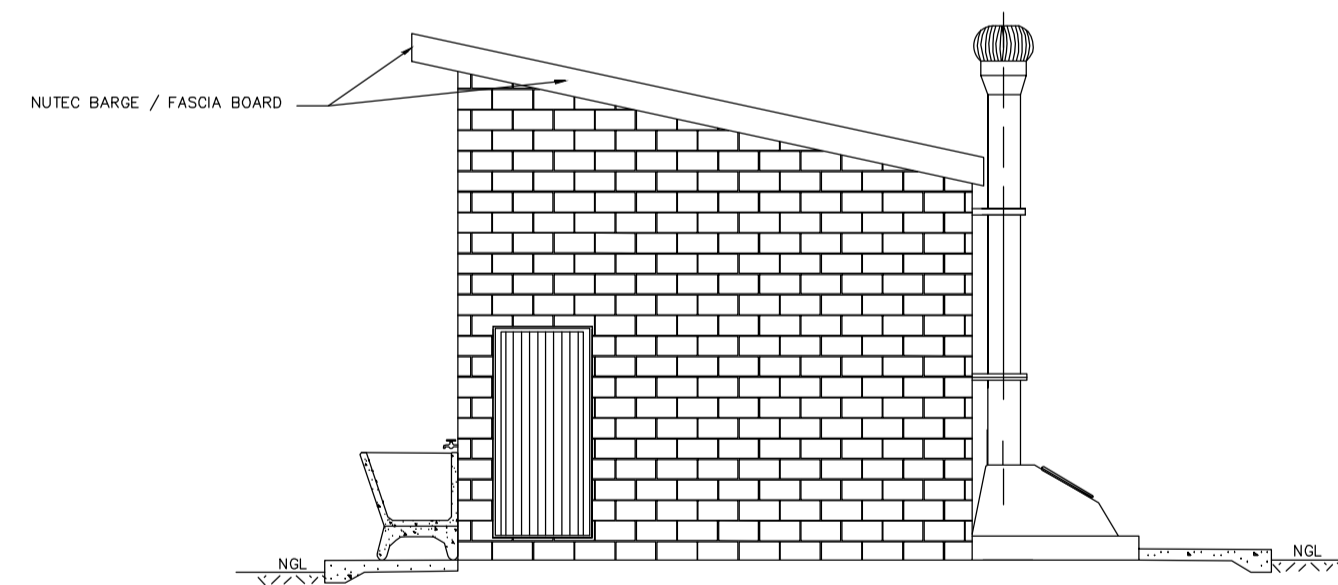
TANK PLAN
SCALE 1:75



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.
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)
- 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 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
- 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		WINDOW SCHEDULE	
WINDOW NO.	N2	WINDOW NO.	N1
CATALOGUE	NET	CATALOGUE	NET
FRAME FINISH	302 x 302mm HIGH STANDARD STEEL WINDOW FRAME	FRAME FINISH	302 x 302mm HIGH STANDARD STEEL WINDOW FRAME
GLAZING	6.28mm OBSCURE SAFETY GLASS	GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	2	NO. REQUIRED	4

ENTRANCE DOOR		DOOR SCHEDULE	
FRAME TYPE	DOUBLE BEAM STEEL FRAME TO FIT 200mm WALL (D1)	DOOR NO.	SD1
FRAME FINISH	PRIME AND PAINT (EXTERNAL) AND 2nd. FINISH COATS IN GLOSS ENAMEL COLOUR 1B	CATALOGUE	PRIME AND PAINT (EXTERNAL) AND 2nd. FINISH COATS IN BROWN VARNISH GLOSS ENAMEL
DOOR LEAF	44mm FRAMED (EDGE) AND BRASS DOOR SIZE 1025X2100mm INCLUDING EXTERNAL WEATHER STRIP	DOOR LEAF	813 x 1914 x 44mm SEMI SOLID DOOR
LEAF FINISH	BRASS COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR 1B	LEAF FINISH	3rd. FINISH COATS IN HIGH GLOSS ENAMEL PAINT
LOOK	3 LEVER HORIZONTAL LOCK SET	LOOK	2 LEVER HORIZONTAL LOCK SET AS PER MANUFACTURER WITH HANDLE BOLT
HORNWORKERY	100mm BRASS CARRIAGE HOOK	NO. REQUIRED	2

NOTES:

LEGEND:

DATE	NO.	REVISION / VARIATIONS	KUT
07.06.23	2	ISSUED FOR CONSTRUCTION	BS
08.11.22	1	ISSUED FOR TENDER	BS

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF EDUCATION
CNR 113 BILLIARD & 24 EXCELSIOR STREET
POLOKWANE
0700

IMPLEMENTING AGENT:

THE MVULA TRUST
A leading developmental NGO
ROP 6 RHODES DRIFT OFFICE PARK
RHODES DRIFT STREET
BENDOR, POLOKWANE
Tel No.: (015) 291 2405
0699

PROJECT ENGINEERS:

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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:
AQUAVILLE
COMBINED SCHOOL
M4 (GRADE 1-7 BOYS)
3x SEATS, 4x URINALS, 1x DISABLED

DRAWING No.: **K1000-AC-005**

SCALE:	1 : 75	DESIGNED:	BS
		DRAWN:	KN
DATE:	JUNE 2023	APPROVED:	BS
REV. NO.	1 2		