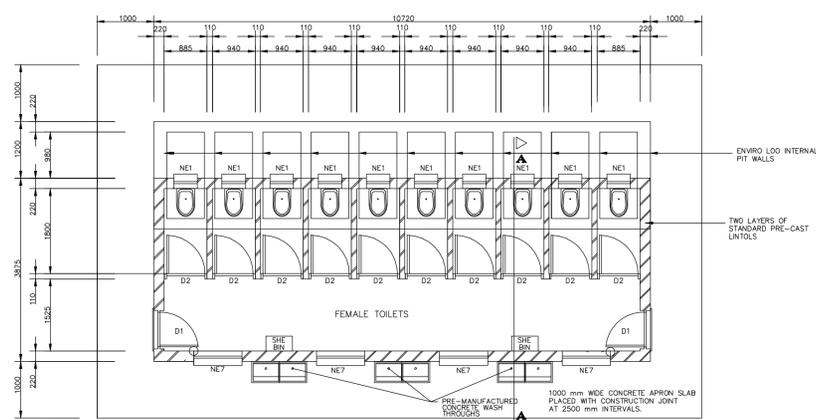
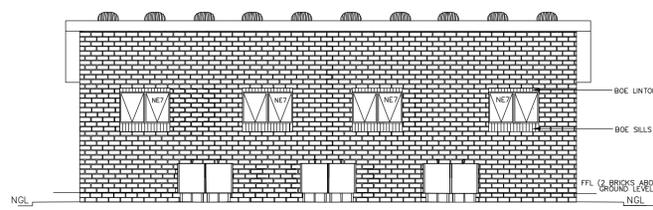


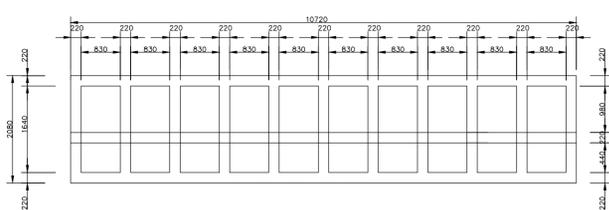
NORTH ELEVATION
SCALE 1:75



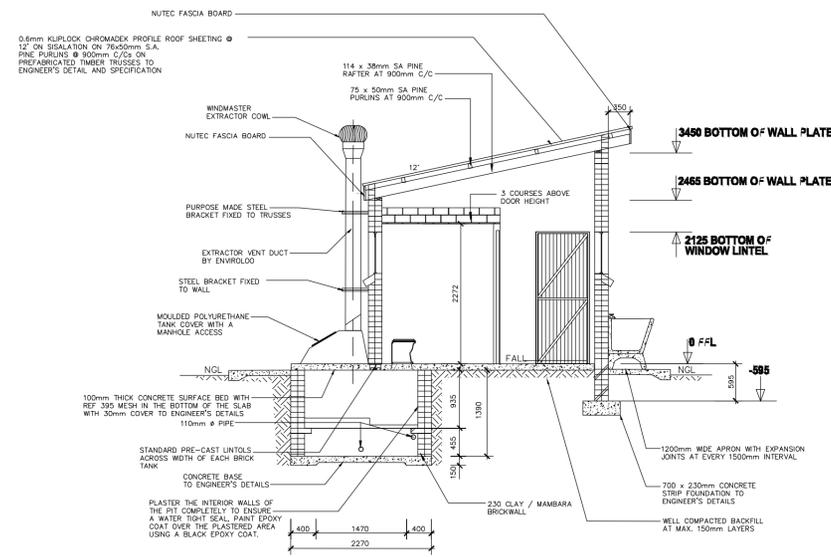
FLOOR LAYOUT
SCALE 1:75



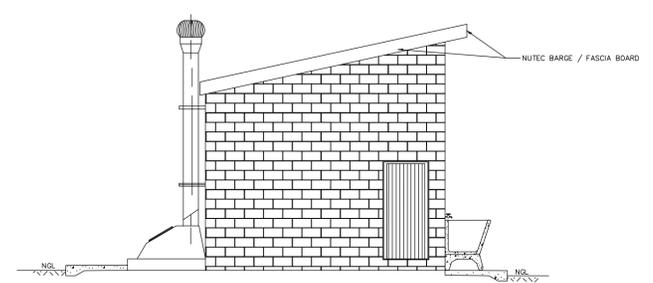
SOUTH ELEVATION
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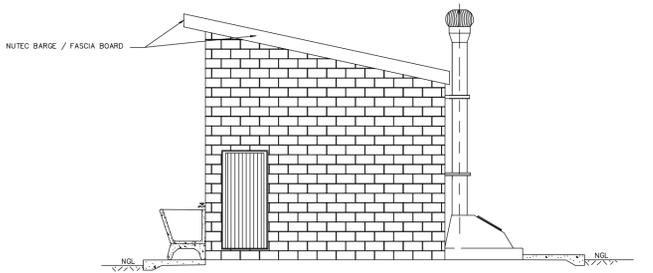
TANK PLAN
SCALE 1:75



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 D400 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.	N2	WINDOW NO.	N1
CATALOGUE	NE7	CATALOGUE	NE7
FRAME FINISH	SPR FINISH SETBACK IN PRE-FRAME SURFACE WITH 25% DURABLE PRIMER & APPLY ONE COAT OF UNDER COAT & TWO COATS FINE GOLDEN BROWN GLOSS ENAMEL PAINT (W/IN STEEL)	FRAME FINISH	SPR FINISH SETBACK IN PRE-FRAME SURFACE WITH 25% DURABLE PRIMER & APPLY ONE COAT OF UNDER COAT & TWO COATS FINE GOLDEN BROWN GLOSS ENAMEL PAINT (W/IN STEEL)
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 (20)	DOOR NO.	SINGLE BEAM STEEL FRAME TO FIT 100mm WALL (20)
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2x2 PRIME COATS IN GLOSS ENAMEL COLOUR TBC	CATALOGUE	PRIME AND PAINT UNDERCOAT AND 2x2 PRIME COATS IN BROWN VANISH GLOSS ENAMEL
DOOR LEAF	44mm FRAMED LOGIC AND BRIDGE DOOR SET 1830x2100mm INCLUDING EXTERNAL WEATHER STOP	DOOR LEAF	183 x 184 x 44mm SEM SLID DOOR
LEAF FINISH	BRIDGE COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC	LEAF FINISH	2x2 SPRAY GOLDEN BROWN HIGH GLOSS ENAMEL PAINT
LOOK	3 LEVER HORRICE LOCK SET	LOOK	2 LEVER HORRICE LOCK STANGERS AS PER MANUFACTURER WITH HANDLE BOLT
HORNWORKERY	100mm BRACE CABN HOOK	NO. REQUIRED	2

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 lintels 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.

NOTES:

LEGEND:

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

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF EDUCATION
CNR 113 BILLARD & 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
0699

Tel No.: (015) 291 2405

PROJECT ENGINEERS:

KUTLO
CONSULTING 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:

ABRAHAM SEROTE
SECONDARY SCHOOL
F10 (GIRLS)
10x SEATS

DRAWING No.: K1000-AS-005

SCALE:	1 : 75	DESIGNED:	BS
		DRAWN:	KN
DATE:	NOVEMBER 2022	APPROVED:	BS
REV. NO.	1		