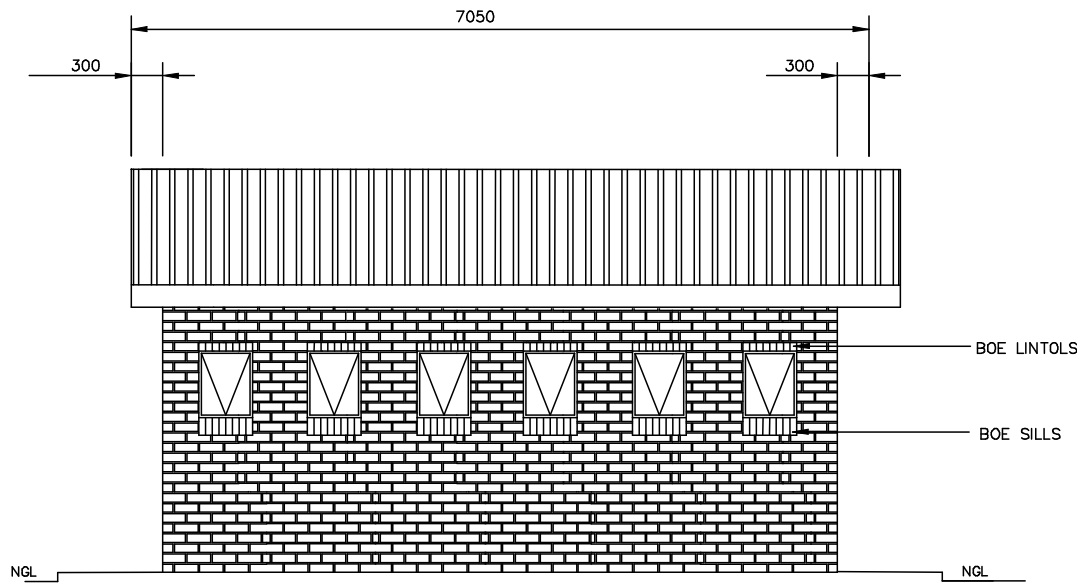
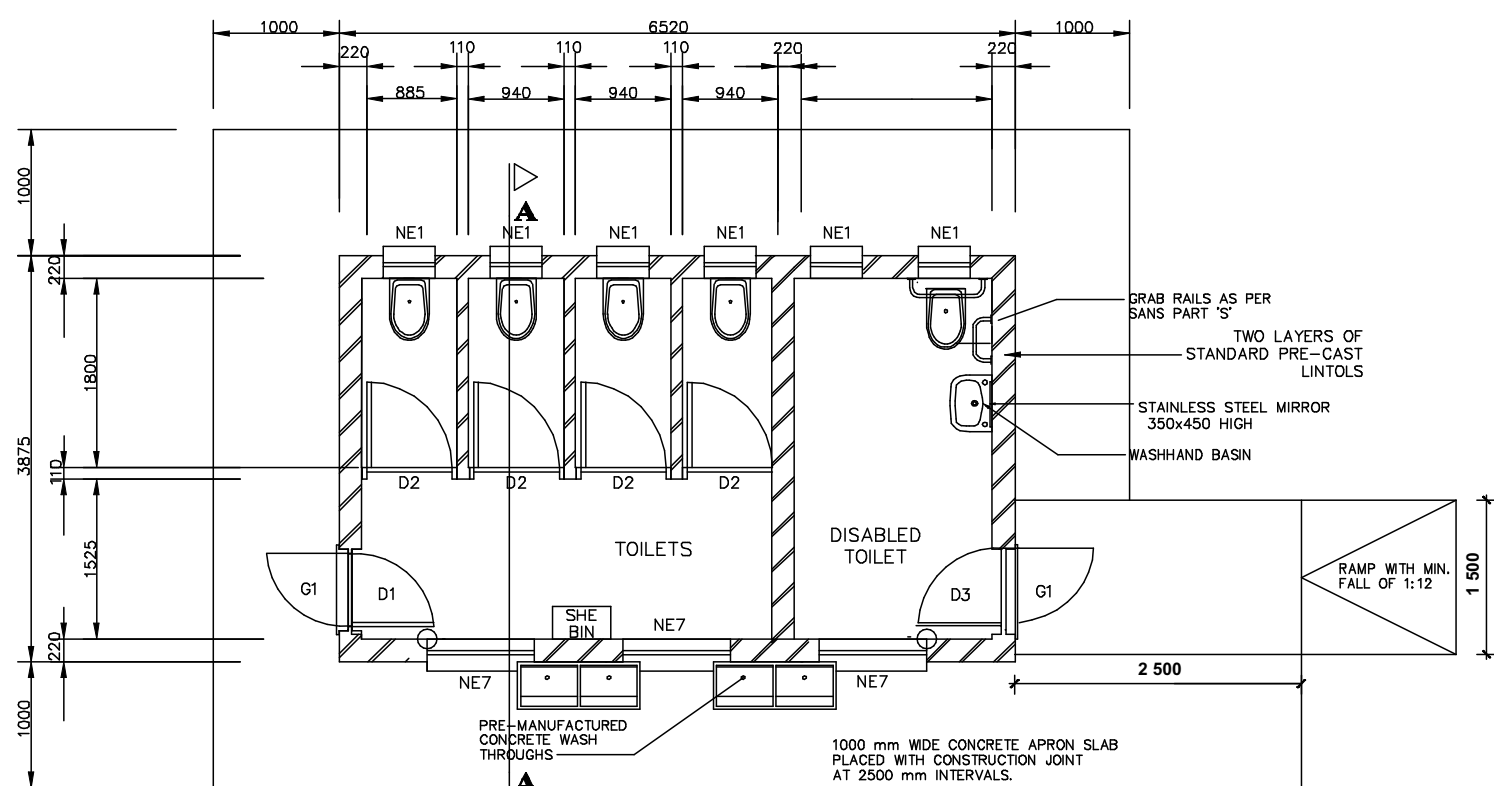


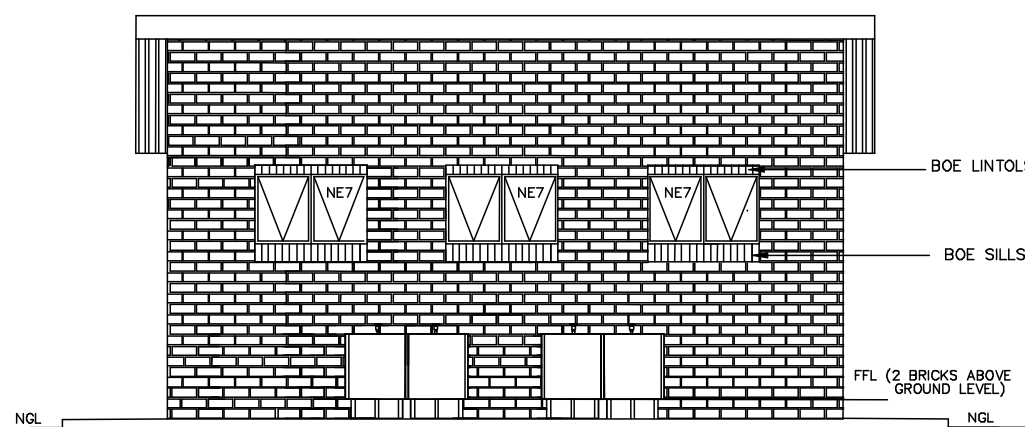
GRD U4



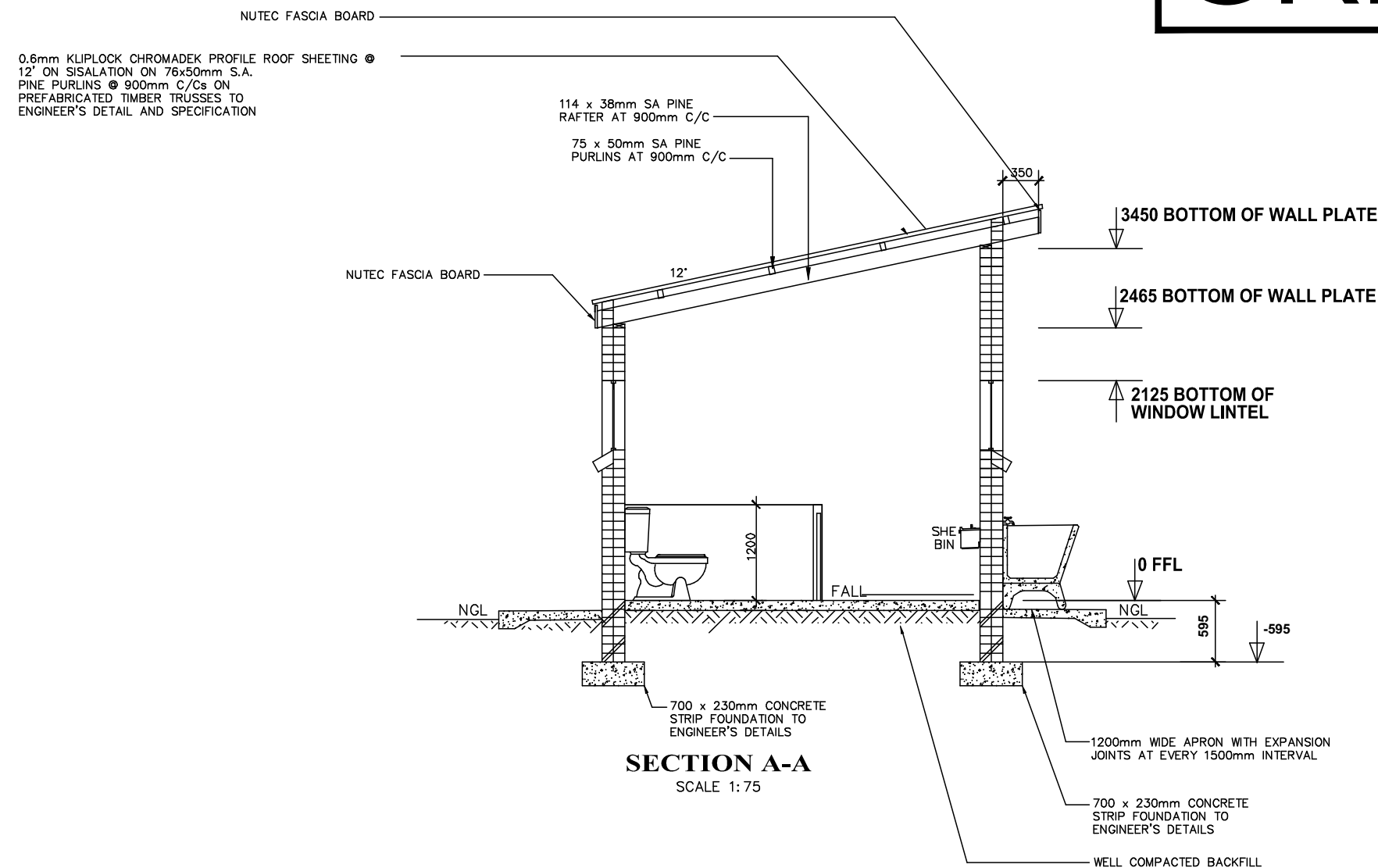
NORTH ELEVATION
SCALE 1:75



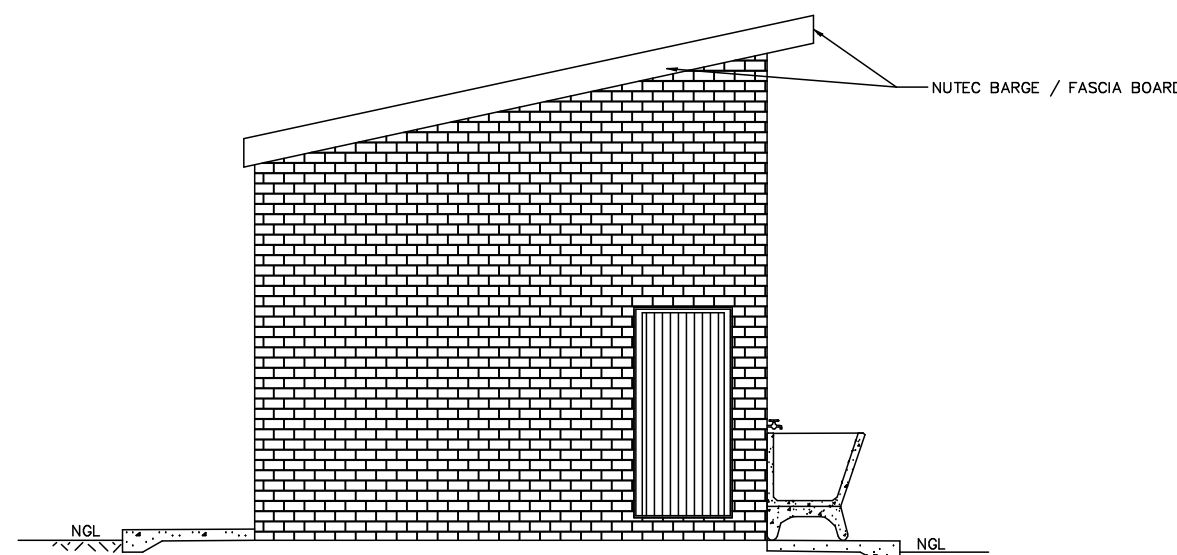
FLOOR LAYOUT
SCALE 1:75



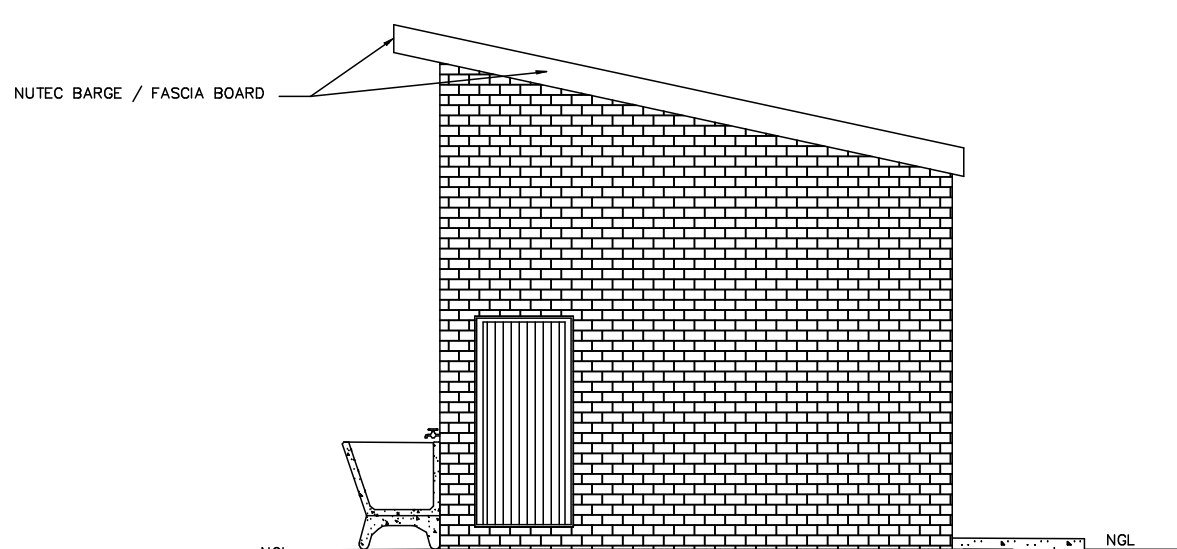
SOUTH ELEVATION
SCALE 1:75



SECTION A-A
SCALE 1:75



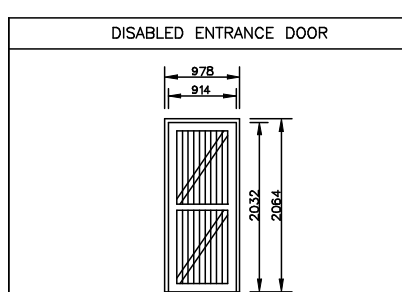
EAST ELEVATION
SCALE 1:75



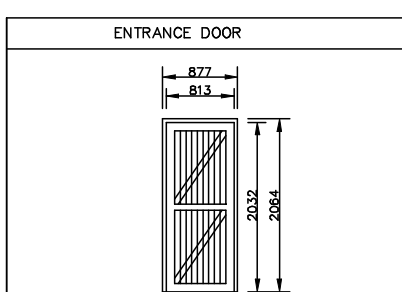
WEST ELEVATION
SCALE 1:75

GENERAL NOTES:

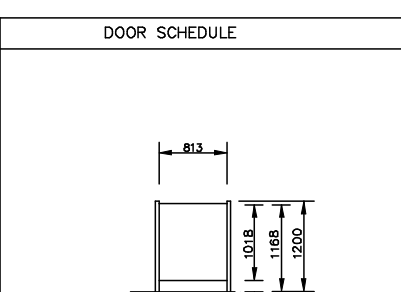
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATION AND SABS 0400 OF 1990
- CONTRACTOR TO READ ONLY FIGURED DIMENSION
- CONTRACTOR TO VERIFY ALL DIMENSION ON SITE BEFORE COMMENCING WITH ANY WORK.



FRAME TYPE	SINGLE BEATE STEEL FRAME TO FIT 2000mm HALL DOOR
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2nd FINISHING COATS IN GLOSS ENAMEL COLOUR 18C
DOOR LEAF	44mm FRAMES LETROD AND BRACED DOOR SIZE 863x2000mm INCLUDING EXTERNAL WEATHER BAR
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL - COLOUR 18C
LOOK	3 LEVER HORTICE LOOK NET
HOMONGERY	100mm BRACE CABIN HOOK



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LOOK	3 LEVER HORTICE LOOK NET
HOMONGERY	100mm BRACE CABIN HOOK



DOOR NO.	1
CATALOGUE	18C
FRAME	44mm FRAMES LETROD AND BRACED DOOR SIZE 863x2000mm INCLUDING EXTERNAL WEATHER BAR
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL - COLOUR 18C
LOOK	3 LEVER HORTICE LOOK NET
HOMONGERY	100mm BRACE CABIN HOOK

WINDOW NO.	1
CATALOGUE	18C
FRAME	44mm FRAMES LETROD AND BRACED DOOR SIZE 863x2000mm INCLUDING EXTERNAL WEATHER BAR
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL - COLOUR 18C
LOOK	3 LEVER HORTICE LOOK NET
HOMONGERY	100mm BRACE CABIN HOOK

WINDOW NO.	2
CATALOGUE	18C
FRAME	44mm FRAMES LETROD AND BRACED DOOR SIZE 863x2000mm INCLUDING EXTERNAL WEATHER BAR
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL - COLOUR 18C
LOOK	3 LEVER HORTICE LOOK NET
HOMONGERY	100mm BRACE CABIN HOOK

NOTES AND SPECIFICATIONS:

GENERAL

- Use dimensions provided and do not slae 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.

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 Strenght 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 evry course at least 3 courses.
- Air bricks: Standard 230X152mm terra-cols vermin proofed loured 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:

DATE	NO.	REVISION / VARIATIONS	KUT
20.07.23	2	CHANGED TO WATERBORNE TOILETS	BS
27.06.23	1	ISSUED FOR TENDER	BS

CLIENT:



DEPARTMENT OF
EDUCATION
CNR 113 BILLARD & 24 EXCELSIOR STREET
POLOKWANE
0700

IMPLEMENTING AGENT:



ROP 6 RHODES DRIFT OFFICE PARK
RHODES DRIFT STREET
BENDOR , POLOKWANE
0699

Tel No.: (015) 291 2405

PROJECT ENGINEERS:



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THABAZIMBI EXT 1
THABAZIMBI
0380

Tel No.: 079 978 4501
Fax No.: 086 674 3237
E-mail: admin@kutoconsulting.co.za

PROJECT:

LIMPOPO DEPARTMENT OF EDUCATION

WATER , SANITATION AND FENCING
PROGRAMME

TITLE:

BOSCHPLAATS PRIMARY SCHOOL
GRDU4 (GRADE R UNISEX) - WATERBORNE
4x SEATS , 0x URINALS , 1x DISABLED

DRAWING No.: K1000-BP-003

SCALE: 1 : 75 DESIGNED: BS

DRAWN: KN

DATE: AUG 2023 APPROVED: BS

REV. NO. 1 2