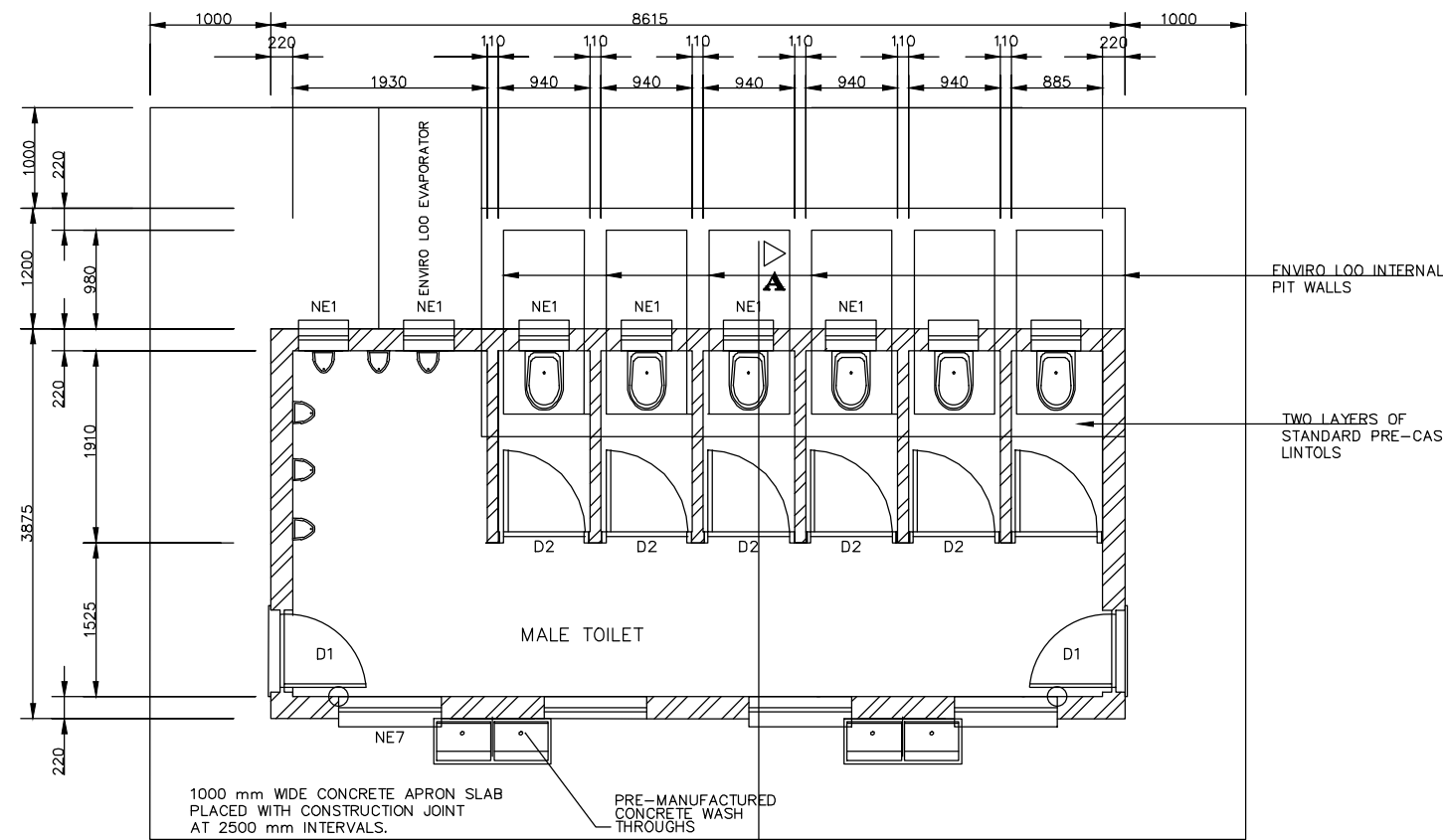
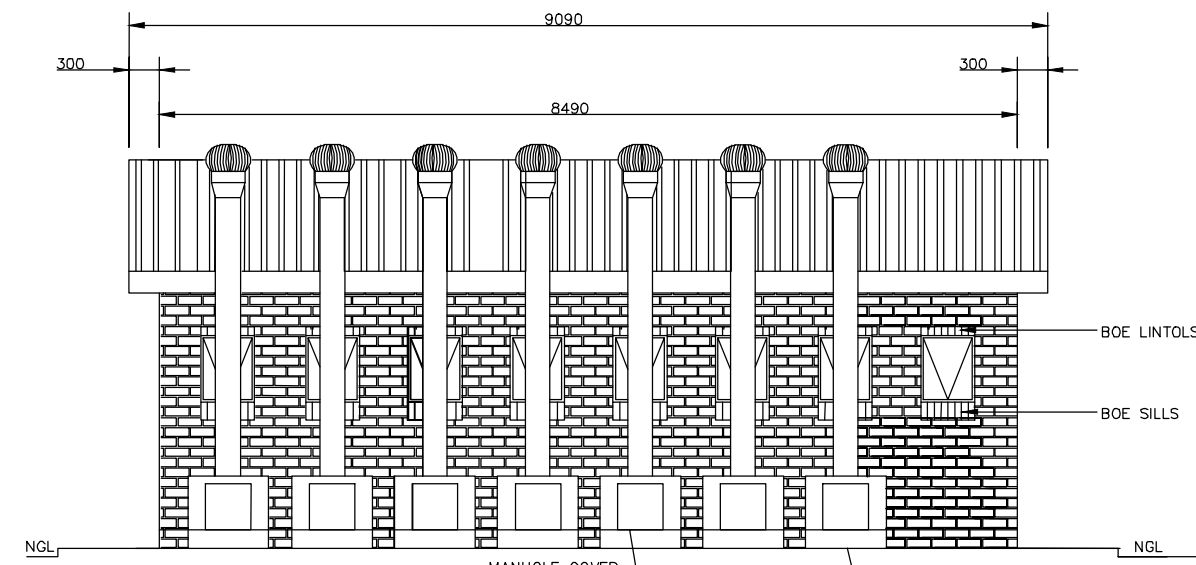


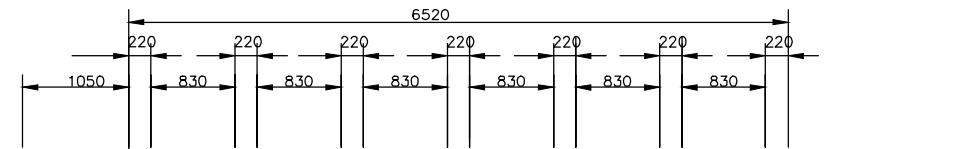
**SOUTH ELEVATION**  
SCALE 1:75



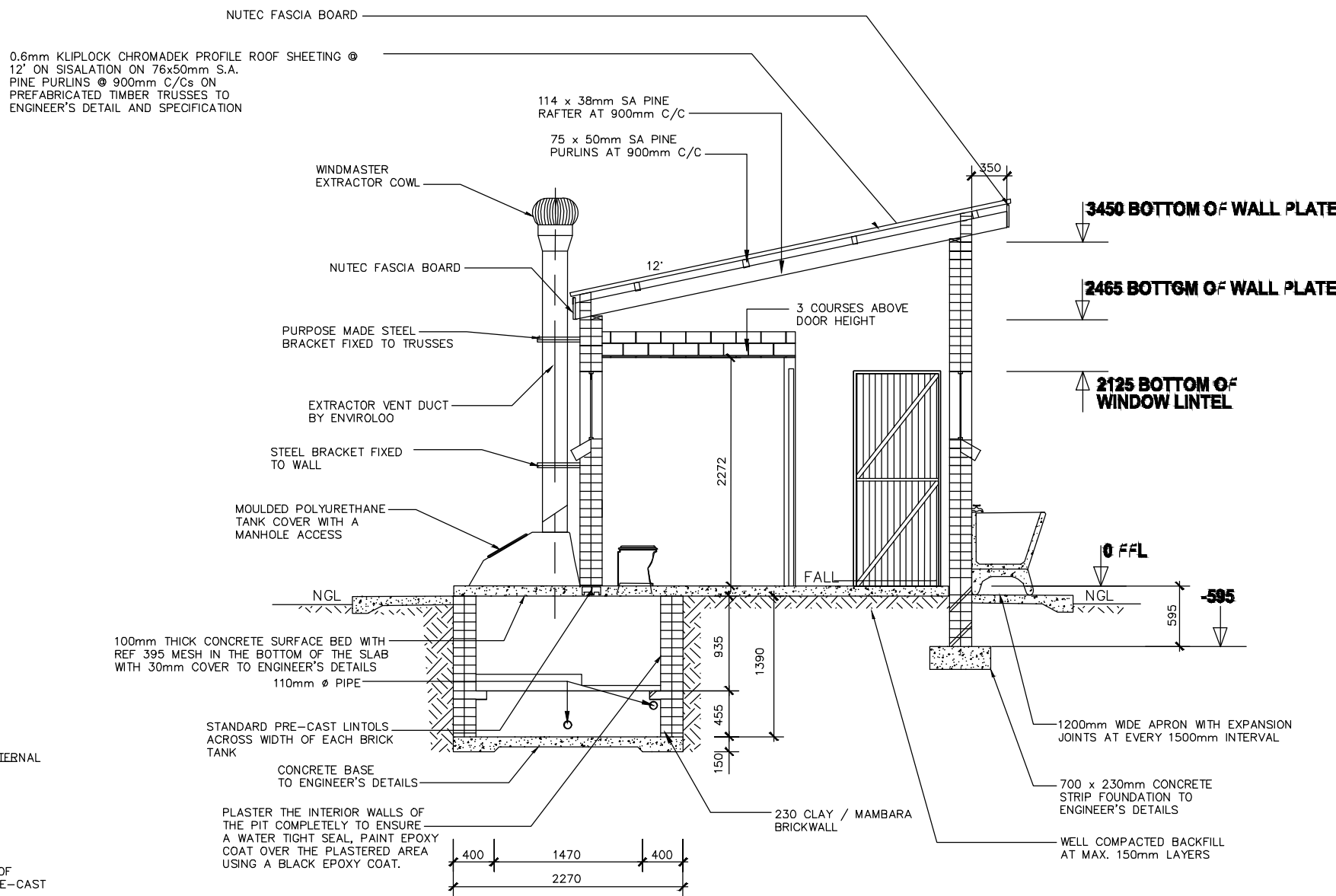
**FLOOR LAYOUT**  
SCALE 1:75



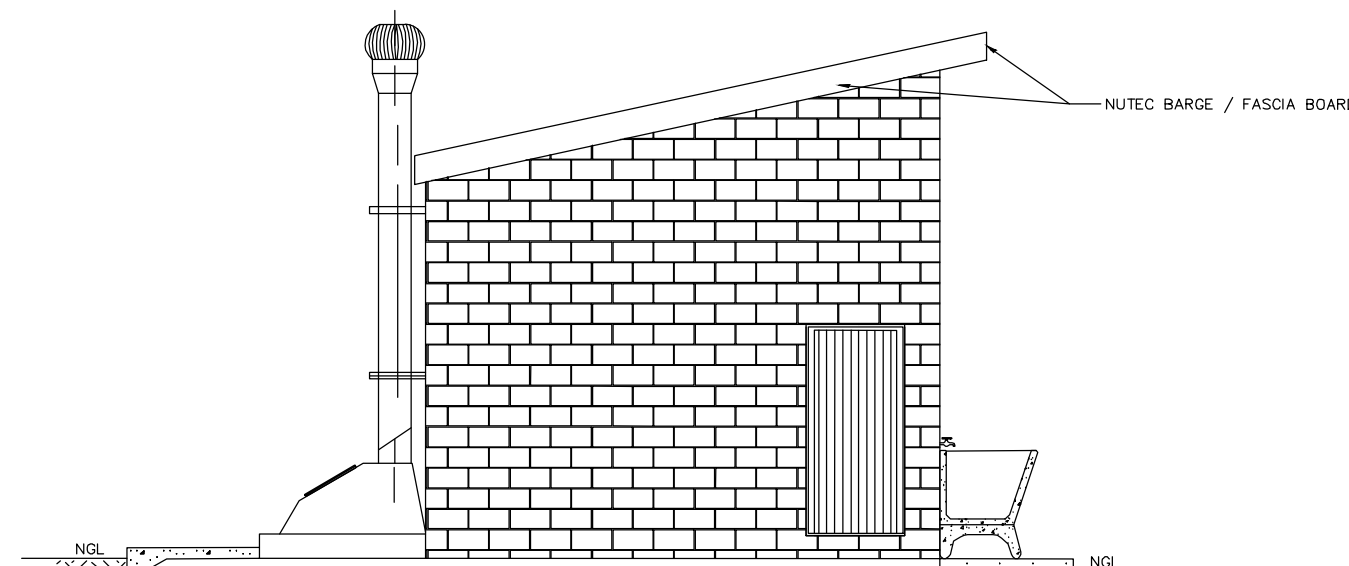
**NORTH ELEVATION**  
SCALE 1:75



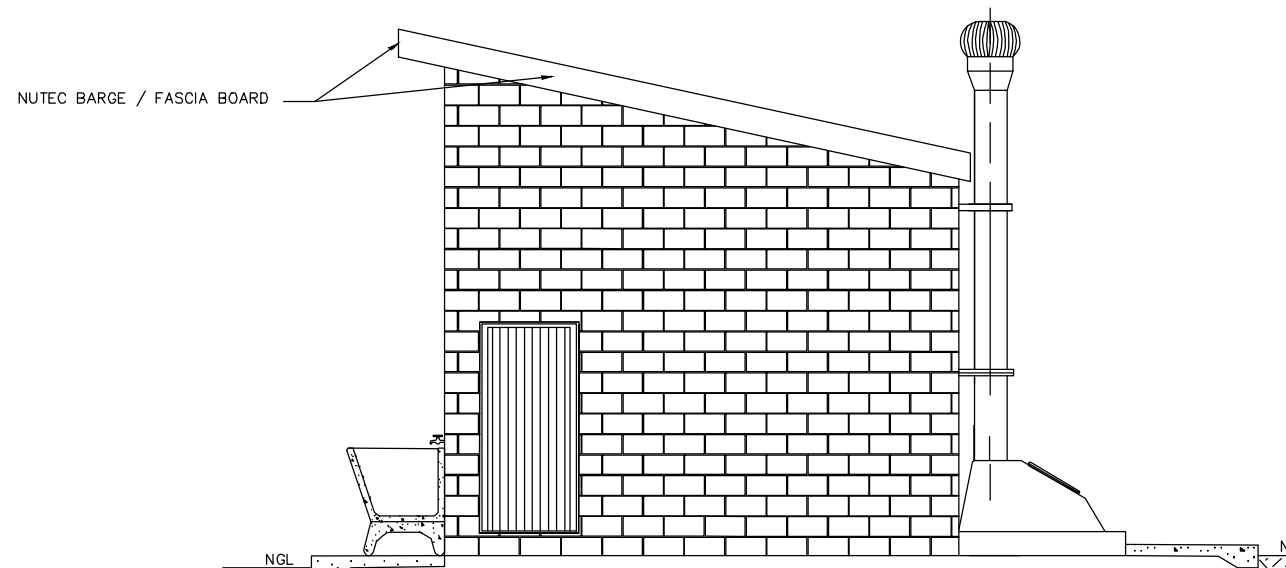
**TANK PLAN**  
SCALE 1:75



**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 : 0.08m<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>)

- 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       | NET  |
| FRAME           | 1022 x 634mm HIGH STANDARD STEEL WINDOW FRAME  |
| FRAME FINISH    | SPOT PRIME: SURFACES TO BE PRIME: SURFACES WITH ZINC CHROMATE PRIMER & APPLY ONE UNDERCOAT UNDER COAT & TWO COATS OF FINE GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL |
| GLAZING         | 6.28mm OBSCURE SAFETY GLASS  |
| NO. REQUIRED    | 2  |

| ENTRANCE DOOR |   |
|---------------|---|
|               |   |
| FRAME TYPE    | SINGLE REIN. STEEL FRAME TO FIT 200mm WALL (20)                                   |
| FRAME FINISH  | PRIME AND PAINT UNDERCOAT AND TWO FINISHING COATS IN GLOSS ENAMEL COLOUR TBC      |
| DOOR LEAF     | 1400mm FRAMED GLASS AND BRASS DOOR WITH 18x150mm INCLUDING EXTERNAL WEATHER STRIP |
| LEAF FINISH   | GLASS COAT FOR MINIMUM 2 COATS GLOSS ENAMEL - COLOUR TBC                          |
| LOCK          | 3 LEVER MORTICE LOCK SET  |
| IRONMONGERY   | 100mm BRASS CHAIN HOOK  |

| WINDOW SCHEDULE |  |
|-----------------|--|
|                 |  |
| WIND. NO.       | N1   |
| CATALOGUE       | NET  |
| FRAME           | 1022 x 634mm HIGH STANDARD STEEL WINDOW FRAME  |
| FRAME FINISH    | SPOT PRIME: SURFACES TO BE PRIME: SURFACES WITH ZINC CHROMATE PRIMER & APPLY ONE UNDERCOAT UNDER COAT & TWO COATS OF FINE GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL |
| GLAZING         | 6.28mm OBSCURE SAFETY GLASS  |
| NO. REQUIRED    | 4  |

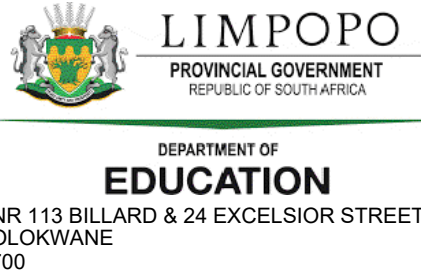
| DOOR SCHEDULE |  |
|---------------|--|
|               |  |
| DOOR NO.      | SINGLE REIN. STEEL FRAME TO FIT 200mm WALL (20)                                |
| CATALOGUE     | PRIME AND PAINT UNDERCOAT AND TWO FINISHING COATS IN BROWN VANISH GLOSS ENAMEL |
| DOOR LEAF     | 813 x 1914 x 44mm SEMI SOLID DOOR  |
| LEAF FINISH   | 2x FINE GOLDEN BROWN HIGH GLOSS ENAMEL PAINT                                   |
| LOCK          | 2 LEVER MORTICE LOCK SET 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:



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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:

ABRAHAM SEROTE

SECONDARY SCHOOL

M6 (BOYS)

6x SEATS, 6x URINALS

#### DRAWING No.:

K1000-AS-004

#### SCALE:

1 : 75

#### DESIGNED:

BS

#### DRAWN:

KN

#### DATE:

NOVEMBER 2022

#### APPROVED:

BS

#### REV. NO.

1