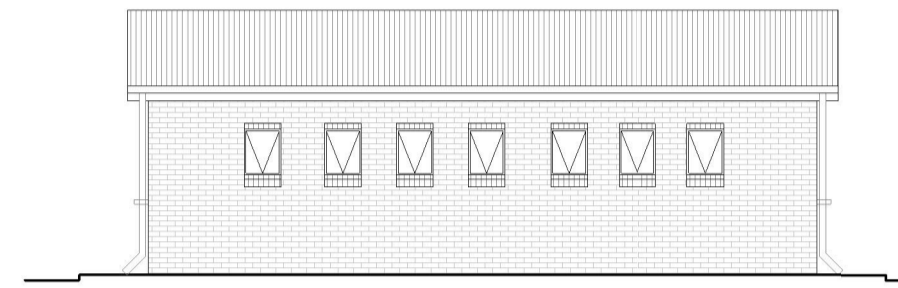


SFD3 + SM2 + 2UR TYPE:

### FRONT ELEVATION:

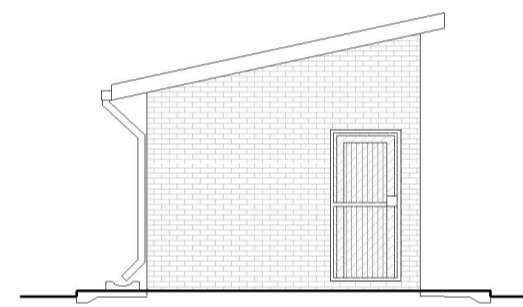
SCALE 1:100



SFD3 + SM2 + 2UR TYPE:

### BACK ELEVATION:

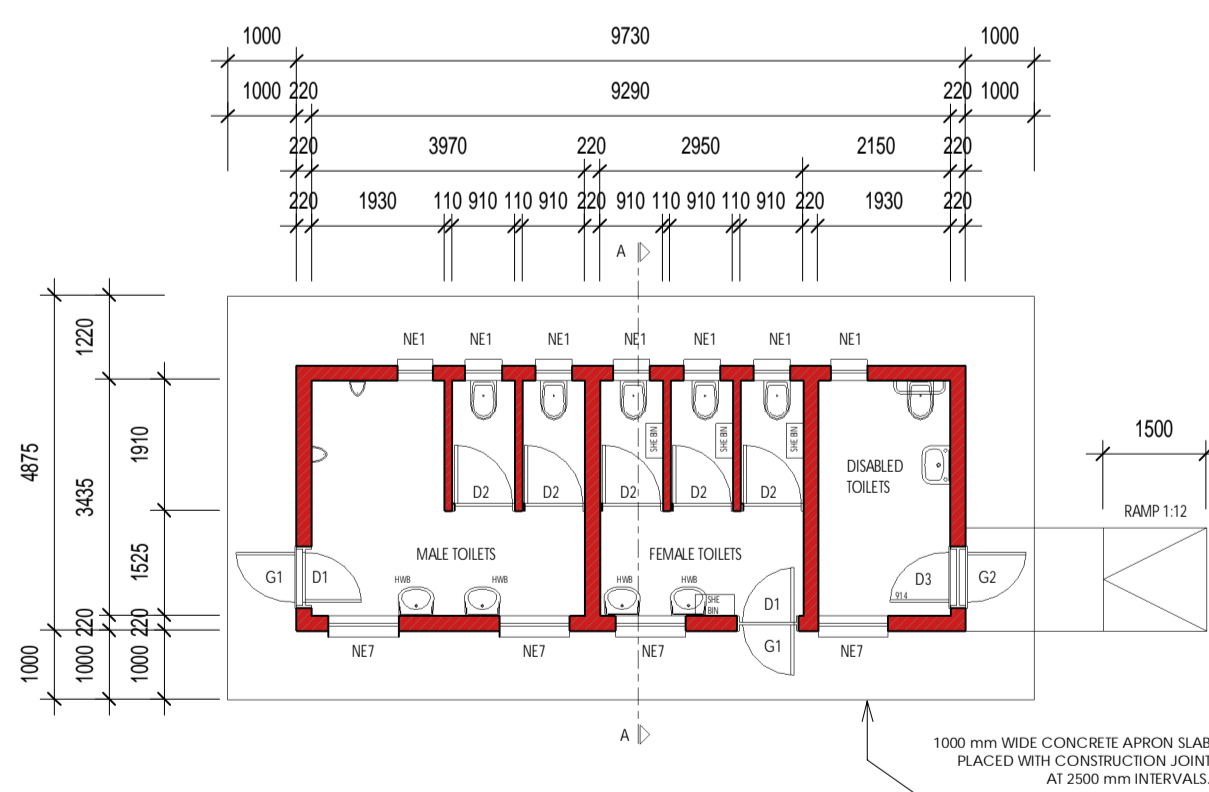
SCALE 1:100



SFD3 + SM2 + 2UR TYPE:

### SIDE ELEVATION:

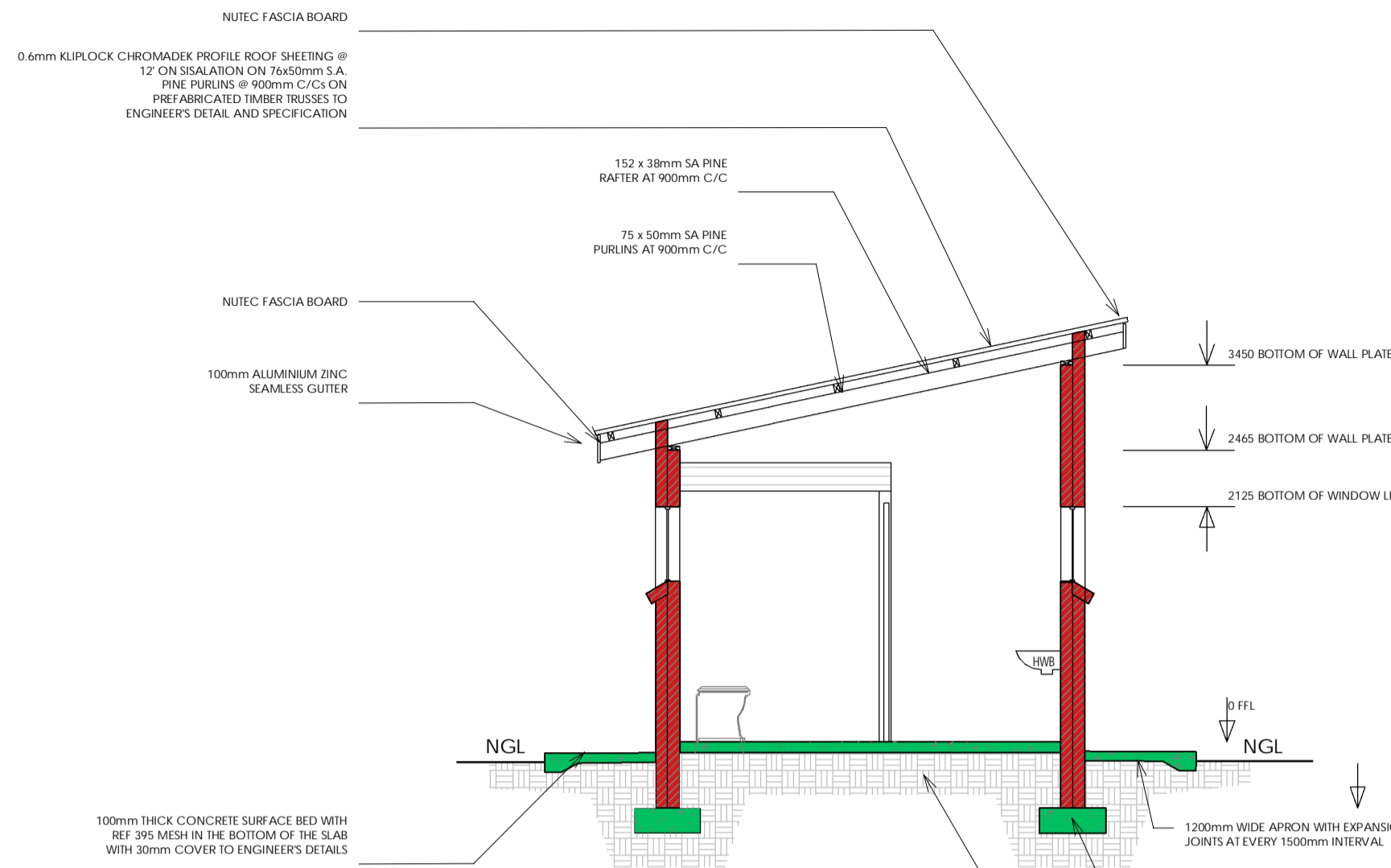
SCALE 1:100



SFD3 + SM2 + 2UR TYPE:

### FLOOR PLAN:

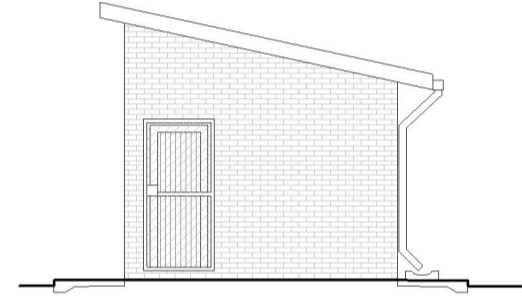
SCALE 1:100



SFD3 + SM2 + 2UR TYPE:

### SECTION A-A:

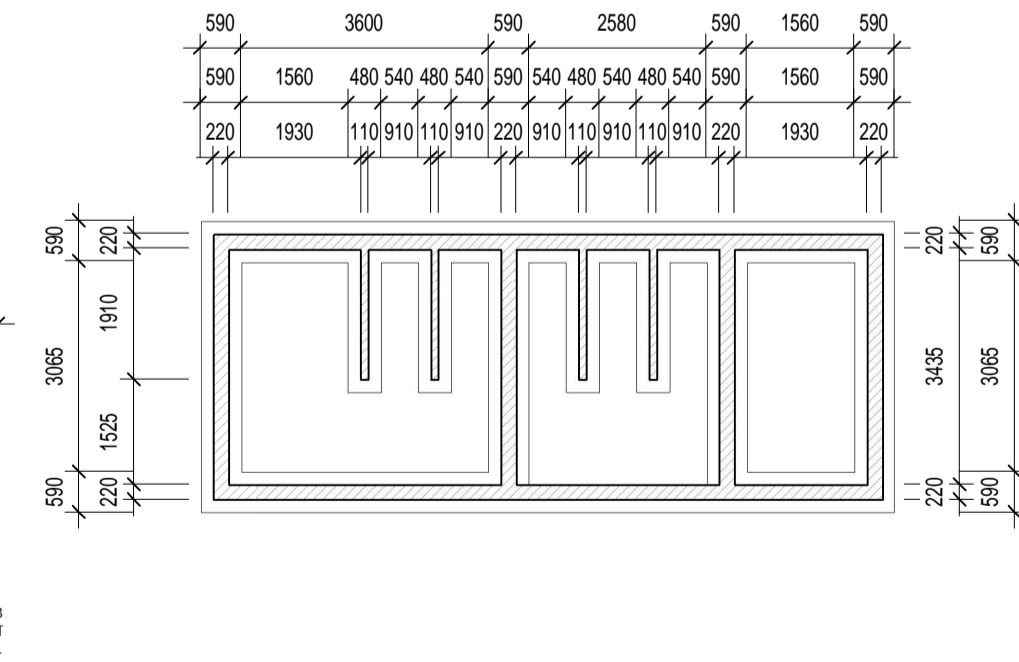
SCALE 1:50



SFD3 + SM2 + 2UR TYPE:

### SIDE ELEVATION:

SCALE 1:100



SFD3 + SM2 + 2UR TYPE:

### FOUNDATION PLAN:

SCALE 1:100

### GENERAL NOTES AND SPECIFICATIONS:

- 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 brickface 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 : 0.08m<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 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 brickface on every course at least 3 courses.
- All bricks: Standard 230x152mm terra-cotta 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 interconnections 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        |   |
|---------------|---|
| WINDOW NO:    | N1  |
| CATALOGUE:    | NE1   |
| FRAME:        | 533 x 654mm HIGH STANDARD STEEL WINDOW FRAME  |
| FRAME FINISH: | SPOT PRINING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS ENAMEL BROWN GLOSS ENAMEL PAINT ON STEEL |
| GLAZING:      | 6.28mm OBSCURE SAFETY GLASS   |
| NO REQUIRED:  | 8   |

| WINDOW        |   |
|---------------|---|
| WINDOW NO:    | N2  |
| CATALOGUE:    | NE7   |
| FRAME:        | 1022 x 654mm HIGH STANDARD STEEL WINDOW FRAME   |
| FRAME FINISH: | SPOT PRINING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS ENAMEL BROWN GLOSS ENAMEL PAINT ON STEEL |
| GLAZING:      | 6.28mm OBSCURE SAFETY GLASS   |
| NO REQUIRED:  | 4   |

| BUGLAR DOOR   |  |
|---------------|--|
| POSITION:     | EXTERNAL TOILET BLOCK  |
| DOOR TYPE:    | PURPOSE MADE SQUARE HOLLOW SECTION MILD STEEL SECURITY GATE  |
| DOOR FINISH:  | 1xCOAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERNAL QUALITY)                                      |
| FRAME:        | 50x38x1.6mm M.S. RECTANGULAR HOLLOW SECTION FRAME  |
| FRAME FINISH: | 1xCOAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERNAL QUALITY)                                      |
| DOOR:         | 38x28x1.6mm RECTANGULAR HOLLOW SECTION FRAME WITH 25x51x4 INTERMEDIATES AT 100mm CENTERS AT A 45° ANGLE COLOUR TBC |
| IRONMONGERY:  | SECURITY DOUBLE THROW DEAD LOCK (NO LATCH)   |

| BUGLAR DOOR   |  |
|---------------|--|
| POSITION:     | EXTERNAL TOILET BLOCK  |
| DOOR TYPE:    | PURPOSE MADE SQUARE HOLLOW SECTION MILD STEEL SECURITY GATE  |
| DOOR FINISH:  | 1xCOAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERNAL QUALITY)                                      |
| FRAME:        | 50x38x1.6mm M.S. RECTANGULAR HOLLOW SECTION FRAME  |
| FRAME FINISH: | 1xCOAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERNAL QUALITY)                                      |
| DOOR:         | 38x28x1.6mm RECTANGULAR HOLLOW SECTION FRAME WITH 25x51x4 INTERMEDIATES AT 100mm CENTERS AT A 45° ANGLE COLOUR TBC |
| IRONMONGERY:  | SECURITY DOUBLE THROW DEAD LOCK (NO LATCH)   |

| ENTRANCE DOOR |   |
|---------------|---|
| FRAME TYPE:   | SINGLE REBATE STEEL FRAME TO FIT 220mm WALL (D1)                                  |
| FRAME FINISH: | PRIME AND PAINT UNDERCOAT AND 2x COATS GLOSS ENAMEL COLOUR TBC                    |
| DOOR LEAF:    | 48mm FRAMED LEDGED AND BRACED DOOR SIZE 813x2032mm INCLUDING EXTERNAL WEATHER BAR |
| LEAF FINISH:  | UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC                            |
| LOCK:         | 1 LEVER NOTICE LOCK SET   |
| IRONMONGERY:  | 100mm BRACE CABIN HOOK  |

| CUBICLE DOOR  |  |
|---------------|--|
| FRAME TYPE:   | SINGLE REBATE STEEL DOOR FRAME SIZE 813x30mm (FRAME UNDERCUT TO 150mm)                   |
| FRAME FINISH: | PRIME AND PAINT UNDERCOAT AND 2 COATS GLOSS ENAMEL COLOUR TBC                            |
| DOOR LEAF:    | 48mm FRAMED LEDGED AND BRACED DOOR SIZE 813x2032mm (DOOR RAISE BY 150mm TO TOP OF FRAME) |
| LEAF FINISH:  | UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC                                   |
| LOCK:         | TOILET INDICATOR LOCK  |
| IRONMONGERY:  | 100mm CHROME PLATED "D" TYPE HANDLE 3 BY SOLID BRACE HINGES                              |

| ENTRANCE DOOR |  |
|---------------|--|
| FRAME TYPE:   | SINGLE REBATE STEEL DOOR FRAME SIZE 813x30mm   |
| FRAME FINISH: | PRIME AND PAINT UNDERCOAT AND 2 COATS GLOSS ENAMEL COLOUR TBC  |
| DOOR LEAF:    | 914x2032mm SOLID HARDWOOD VENER DOORS TO RECEIVE 2x COATS POLYURETHANE VARNISH   |
| LEAF FINISH:  | UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC   |
| LOCK:         | SABS APPROVED 1 LEVER INDICATOR LOCK SET FITTED ACCORDING TO MANUFACTURER'S SPECIFICATIONS PROVIDE CABINET HOOK SECURED TO DOOR WITH CATCHING BRACKET AGAINST WALL |
| IRONMONGERY:  | 100mm CHROME PLATED "D" TYPE HANDLE 3 BY SOLID BRACE HINGES  |

| BUGLAR DOOR   |  |
|---------------|--|
| POSITION:     | EXTERNAL TOILET BLOCK  |
| DOOR TYPE:    | PURPOSE MADE SQUARE HOLLOW SECTION MILD STEEL SECURITY GATE  |
| DOOR FINISH:  | 1xCOAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERNAL QUALITY)                                      |
| FRAME:        | 50x38x1.6mm M.S. RECTANGULAR HOLLOW SECTION FRAME  |
| FRAME FINISH: | 1xCOAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERNAL QUALITY)                                      |
| DOOR:         | 38x28x1.6mm RECTANGULAR HOLLOW SECTION FRAME WITH 25x51x4 INTERMEDIATES AT 100mm CENTERS AT A 45° ANGLE COLOUR TBC |
| IRONMONGERY:  | SECURITY DOUBLE THROW DEAD LOCK (NO LATCH)   |

| NO | DATE | AMENDMENT | D.P.W |
|----|------|-----------|-------|
|    |      |           |       |

**NOTES:**

- ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE. PRIOR TO THE COMMENCEMENT OF SETTING OUT, WORKSHOP DRAWINGS OR CONSTRUCTION, FIGURED DIMENSIONS TO BE USED IN PREFERENCE TO SCALED DIMENSIONS. ANY DISCREPANCIES, ERRORS AND OMISSIONS ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY PRIOR TO COMMENCING WITH ANY WORK.
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- ALL CONSTRUCTION WORK MUST COMPLY WITH THE LAWS OF THE LAND, SANS 1040, THE NATIONAL BUILDING STANDARDS AND LOCAL AUTHORITY BY LAWS AND MODEL PREAMBLES.

KEYPLAN:

DEPARTMENT:

SPONSOR:

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DWG FILE NAME:

ARCHITECT:

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BENDOR 0699 TEL: 082 215 5937

CONSULTANT/DEPARTMENT:

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OFFICE NO: 2, IT PARK  
15 PIERCE STREET  
BENDOR 0699  
TEL : 087 510 5242  
CELL : 064 526 9369  
FAX : 086 415 6426

DISCIPLINE: CONTRACTOR:

PROJECT:

ITIRELENG SECONDARY SCHOOL  
LIMPOPO PROVINCE

DRAWING TITLE:  
WATER-BORNE ABLUTIONS:

SFD3 + SM2 + 2UR TYPE:  
REF NO: LE20TMT17058 DRAWN BY: K.M  
SCALE: 1:100 CHECKED BY: K.M  
DATE: 09.2023 VERIFIED BY: K.M  
TYPE NUMBER: SFD3 + SM2 + 2UR  
DWG NUMBER: W100:SFD3+SM2+2UR