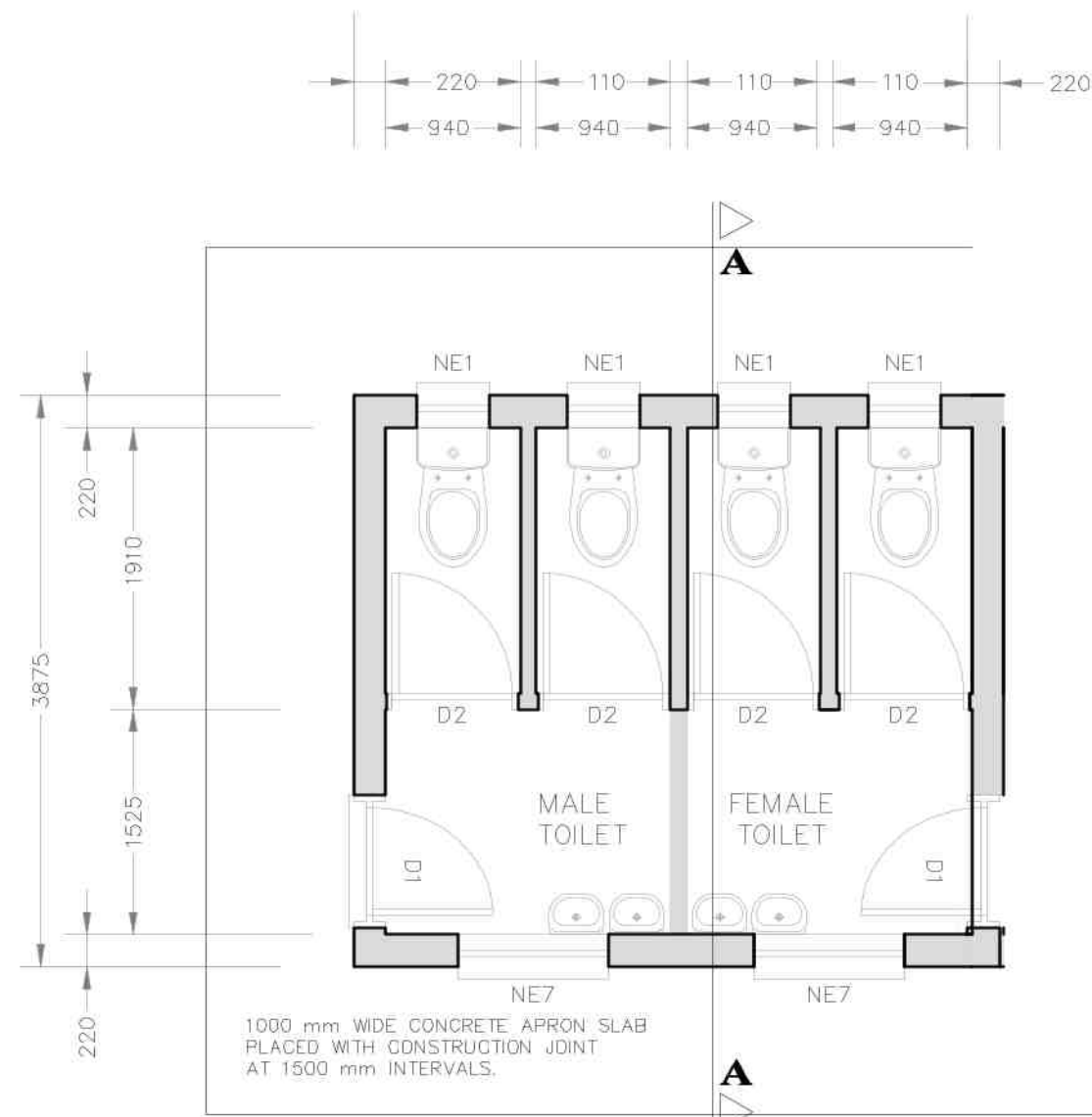
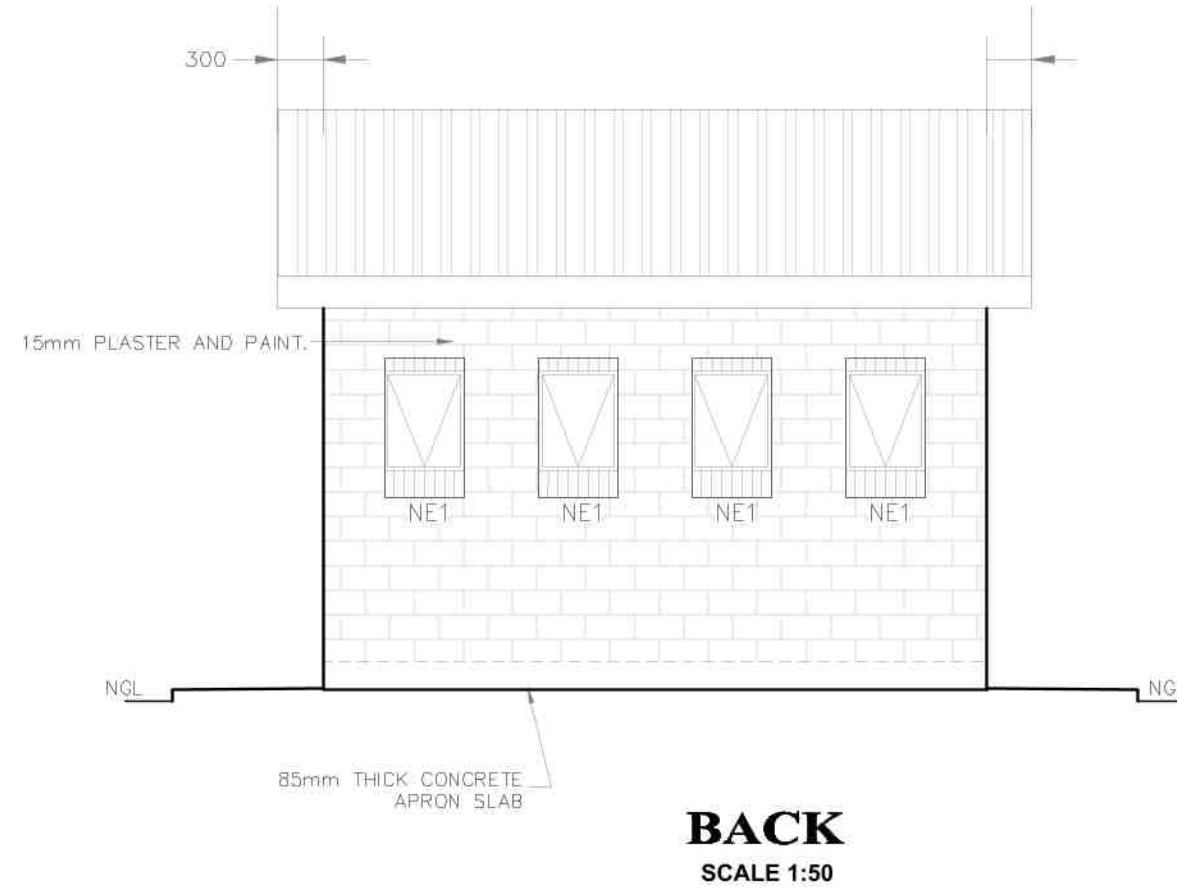
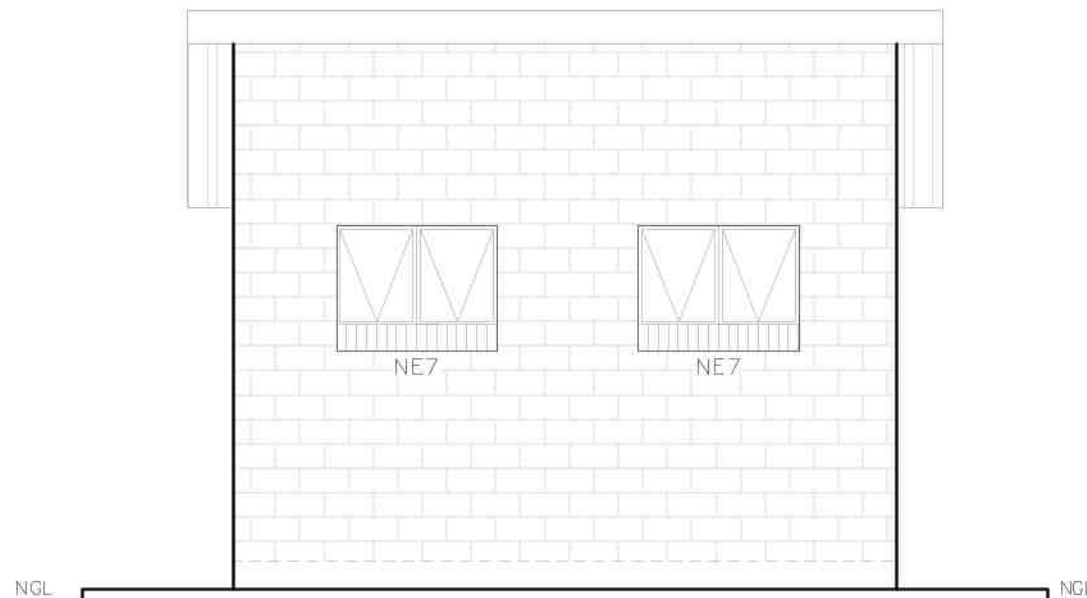
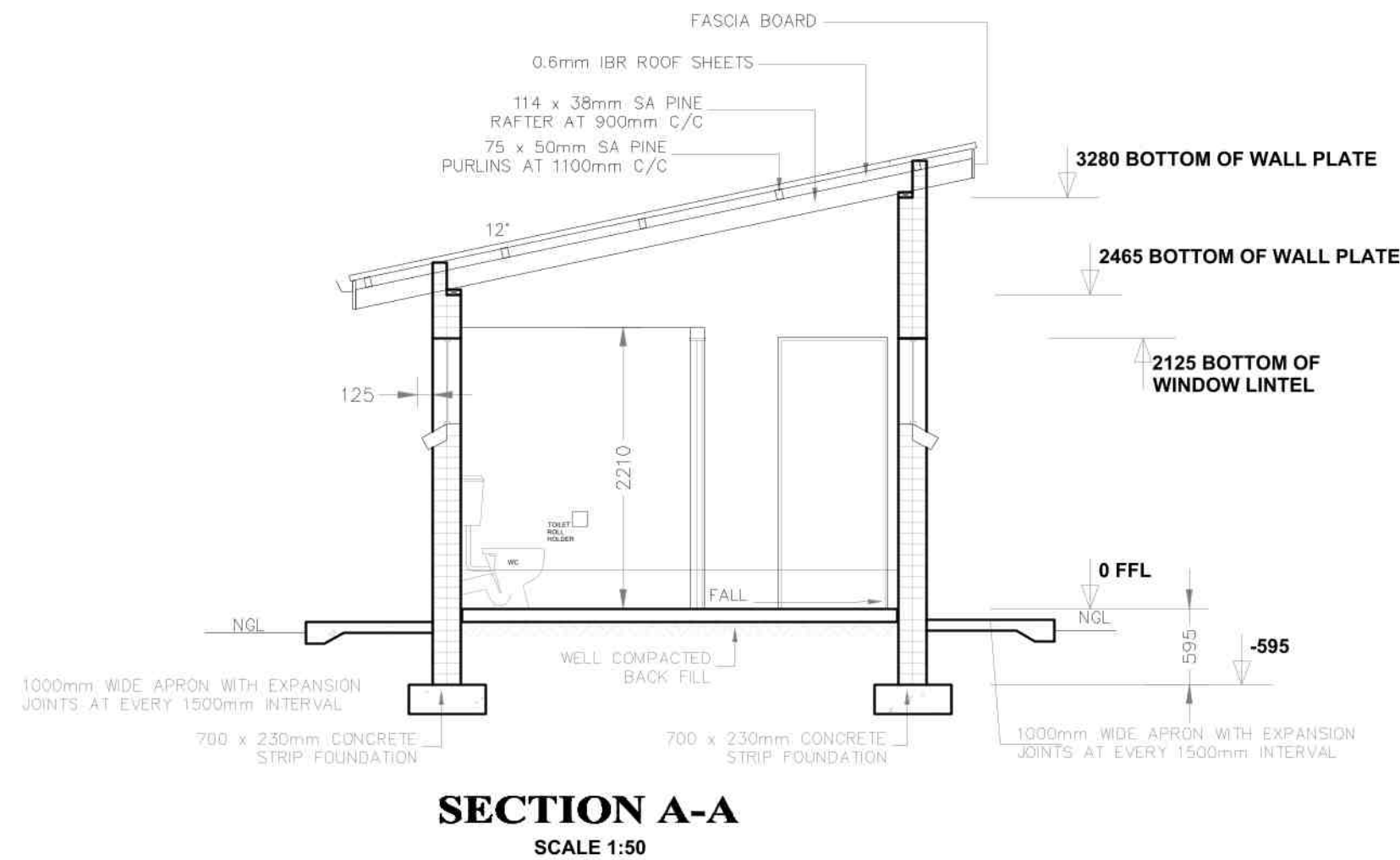
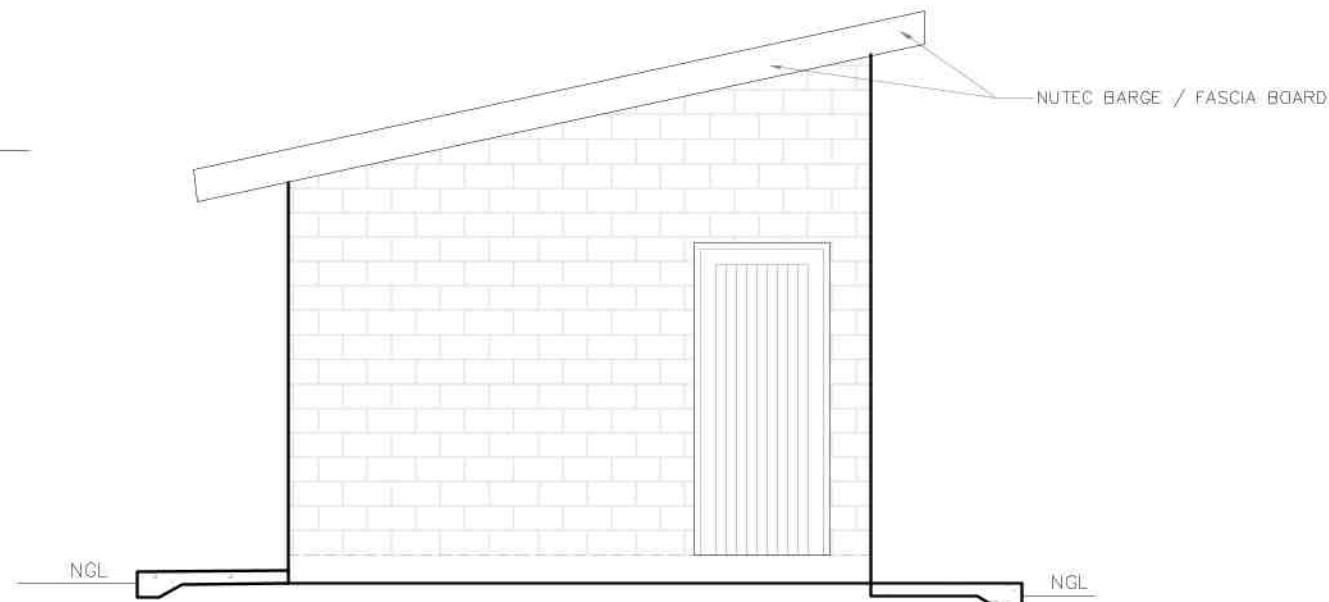
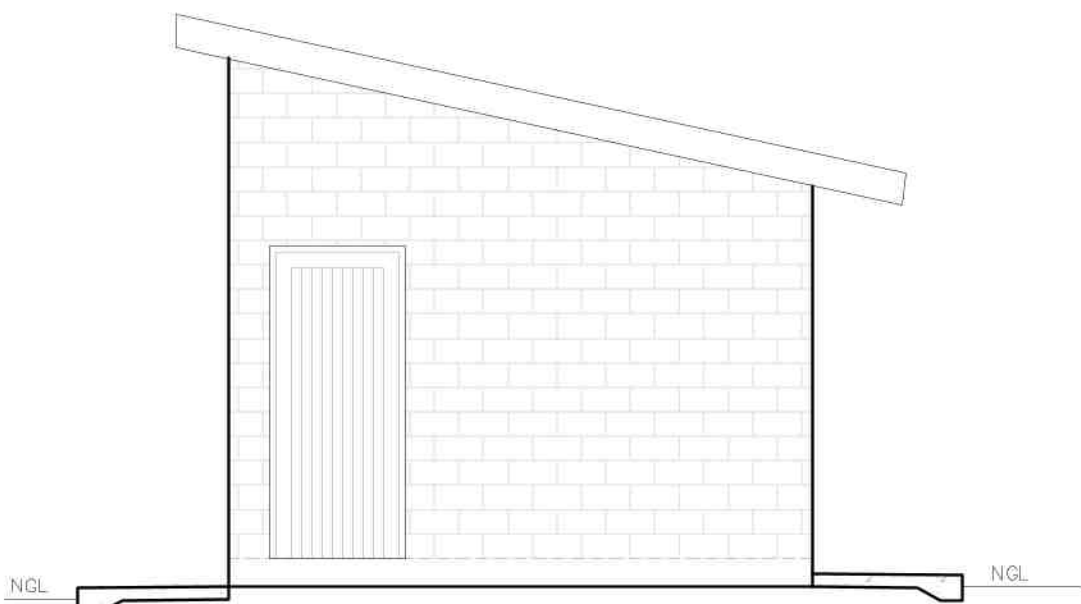


GR4

FLOOR LAYOUT
SCALE 1:50BACK
SCALE 1:50FRONT
SCALE 1:50SECTION A-A
SCALE 1:50SIDE
SCALE 1:50SIDE
SCALE 1:50

| WINDOW SCHEDULE | |
|-----------------|---|
| | |
| WINDOW NO. | N2 |
| CATALOGUE | NE7 |
| FRAME | 1022 x 654mm HIGH STANDARD STEEL WINDOW FRAME |
| FRAME FINISH | SPOT PRIME DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS SPRAY GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL |
| GLAZING | 6.28mm OBSCURE SAFETY GLASS |
| NO. REQUIRED | 3 |

| WINDOW SCHEDULE | |
|-----------------|---|
| | |
| WINDOW NO. | N1 |
| CATALOGUE | NE1 |
| FRAME | 533 x 654mm HIGH STANDARD STEEL WINDOW FRAME |
| FRAME FINISH | SPOT PRIME DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS SPRAY GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL |
| GLAZING | 6.28mm OBSCURE SAFETY GLASS |
| NO. REQUIRED | 6 |

| ENTRANCE DOOR | |
|---------------|---|
| | |
| FRAME TYPE | SINGLE REBATE STEEL FRAME TO FIT 220mm WALL (D1) |
| FRAME FINISH | PRIME AND PAINT UNDERCOAT AND 2ns FINISHING COATS IN GLOSS ENAMEL COLOUR TBC |
| DOOR LEAF | 44mm FRAMED LEDGED AND BRACED DOOR SIZE 813x2032mm INCLUDING EXTERNAL WEATHER BAR |
| LEAF FINISH | UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL - COLOUR TBC |
| LOCK | 3 LEVER MORTICE LOCK SET |
| IRONMONGERY | 100mm BRACE CABIN HOOK |

| CUBICLE DOOR | |
|--------------|--|
| | |
| FRAME TYPE | SINGLE REBATE STEEL DOOR FRAME SIZE 83x23mm (FRAME UNDERCUT TO 150mm) |
| FRAME FINISH | PRIME AND PAINT UNDERCOAT AND 2 COATS GLOSS ENAMEL - COLOUR TBC |
| DOOR LEAF | 44mm FRAMED LEDGED EMBRACED 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 |

| BUGLAR DOOR | |
|--------------|---|
| | |
| TYPE G1 | 2 OFF |
| 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 | 50x38x16mm M.S. RECTANGULAR HOLLOW SECTION FRAME |
| FRAME FINISH | 1xCOAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERIOR QUALITY) |
| DOOR | 58x28x16mm RECTANGULAR HOLLOW SECTION FRAME WITH 25x25x1.6 INTERMEDIATES AT 100mm CENTERS AT A 45° ANGLE COLOUR TBC |
| IRONMONGERY | SECURITY DOUBLE THROW DEAD LOCK (NO LATCH) |

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.

| NO. | DATE | REVISION | DRAWN |
|-----|------|----------|-------|
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| NOTES AND SPECIFICATIONS | | | |
| GENERAL | | | |
| 1. Use dimensions provided and do not scale drawing. | | | |
| 2. All work to comply with SABS, PN371 and SABS. | | | |
| 3. All dimensions, levels and positions to be verified on site prior to construction. | | | |
| 4. All concrete work to be as per Engineer's details and specifications. | | | |
| 5. All pits to face North. | | | |
| 6. All brickwork have brickforce at every 2nd course in pit lining and 3rd course in superstructure. | | | |
| PIT EXCAVATION | | | |
| 1. All stages of pit excavation to be inspected and approved by Engineer and signed off. | | | |
| 2. 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% ModASHITO density before casting concrete. | | | |
| CONCRETE WORKS | | | |
| 1. All concrete to be as per Engineer's details and specifications. | | | |
| 2. 25 MPa strength concrete to be used throughout construction. | | | |
| 3. Concrete Mix: Proportion | | | |
| Concrete Strength at 28 Days 25MPa | | | |
| 1 : 2 : 2 (mix proportion by volume) | | | |
| 1 bag cement : 0.05m3 Sand : 0.05m3 Stone (Volume/Bag) | | | |
| 385 kg cement : 820 kg sand : 980 kg stone (Mass/m3) | | | |
| 3. Pre-cast concrete blocks to be used as support under top slab of pit. | | | |
| 4. All concrete aprons to be 1000mm wide. | | | |
| MORTAR | | | |
| Mixed proportions to be: | | | |
| 1 cement : 3 sand | | | |
| (1:1 bag cement : 3 wheelbarrows (37 (tres) sand) | | | |
| BRICKWORK | | | |
| Sub-structure | | | |
| 1. All pit lining / foundation brickwork to be solid HPF clay brick. | | | |
| 2. All internal surface of pit lining to be painted with two coats black epoxy paint. | | | |
| Initiating Enviro-Loo units. | | | |
| Super-structure | | | |
| 1. All external walls / partitions to be of clay face brick to SABS quality. | | | |
| 2. All outside portion walls to be 3 courses above door height. | | | |
| 3. All brickwork above door openings should have brickforce on every course at least 3 courses. | | | |
| 4. All bricks: Standard 230x125mm terra-cotta vermin proofed floured air-brick to be used above all window openings. | | | |
| ROOF SHEETING | | | |
| 1. 0.6mm kilopack chromadek roof sheeting. | | | |
| ROOF TIMBER / CEILING | | | |
| 1. All roof timbers to be machined SABS treated wood with three coats of approved wood preservative. | | | |
| 2. Timber connections (Hurricane Dibs) are required at interconnections between timber rafters and purlins. | | | |
| 3. Stalation is to be applied interval under all roof surfaces. | | | |
| METALWORK | | | |
| 1. All metalwork should be primed before installation. | | | |
| 2. All steel window should have 6x20mm flat bar burglar grating. | | | |
| PLUMBING | | | |
| 1. Double concrete wash trough to be used. | | | |
| 2. All wash troughs should be connected to the school's water supply system and the waste water should be piped to a soakaway. | | | |
| 3. The soakaway should be as per Engineer's detail and position to be determined on site. | | | |
| 4. Only 20mm and galvanised pipework should be used as connection from wall to the discharge points. | | | |
| GLAZING | | | |
| 1. 6.28mm obscure safety glass. | | | |
| PAINTING | | | |
| 1. All paintwork to comply with SABS and PN371 specification. | | | |
| 2. All steel window and door frames including doors and fascia / barge boards to be discharge points. | | | |



HIGH TEMPO INVESTMENT PTY LTD,
HOUSE 12, CYCAD STREET,
TZANEEN
Email : Hlaisit@gmail.com

| SIGNATURE | | DATE | SHEET SIZE |
|-----------|----------------|-----------|--|
| DESIGNED | MAWANDE MDLULI | 26-5-2021 | A1 |
| DRAWN | MAWANDE MDLULI | 26-5-2021 | SCALE AS SHOWN |
| VERIFIED | TIYANI HLAIISI | | STATUS LEGEND I = INFORMATION P = PERMIT C = CONSTRUCTION AS-BUILT |
| VALIDATED | | | |

IMPLEMENTED BY

THE MVULA TRUST
A leading developmental NGO

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LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

PROJECT

LDeE 2021/22 - Limpopo Department of Education Schools Water and Sanitation Programme - BENSON SHIVITI SCHOOL

PROVINCE: LIMPOPO

DRAWING TITLE

GR4

| EMIS NUMBER | DISCIPLINE | DRAWING No. | STATUS | REVISION |
|-------------|--|-------------|--------|----------|
| | CIVIL ENGINEERING & PROJECT MANAGEMENT | FD1-A | | |