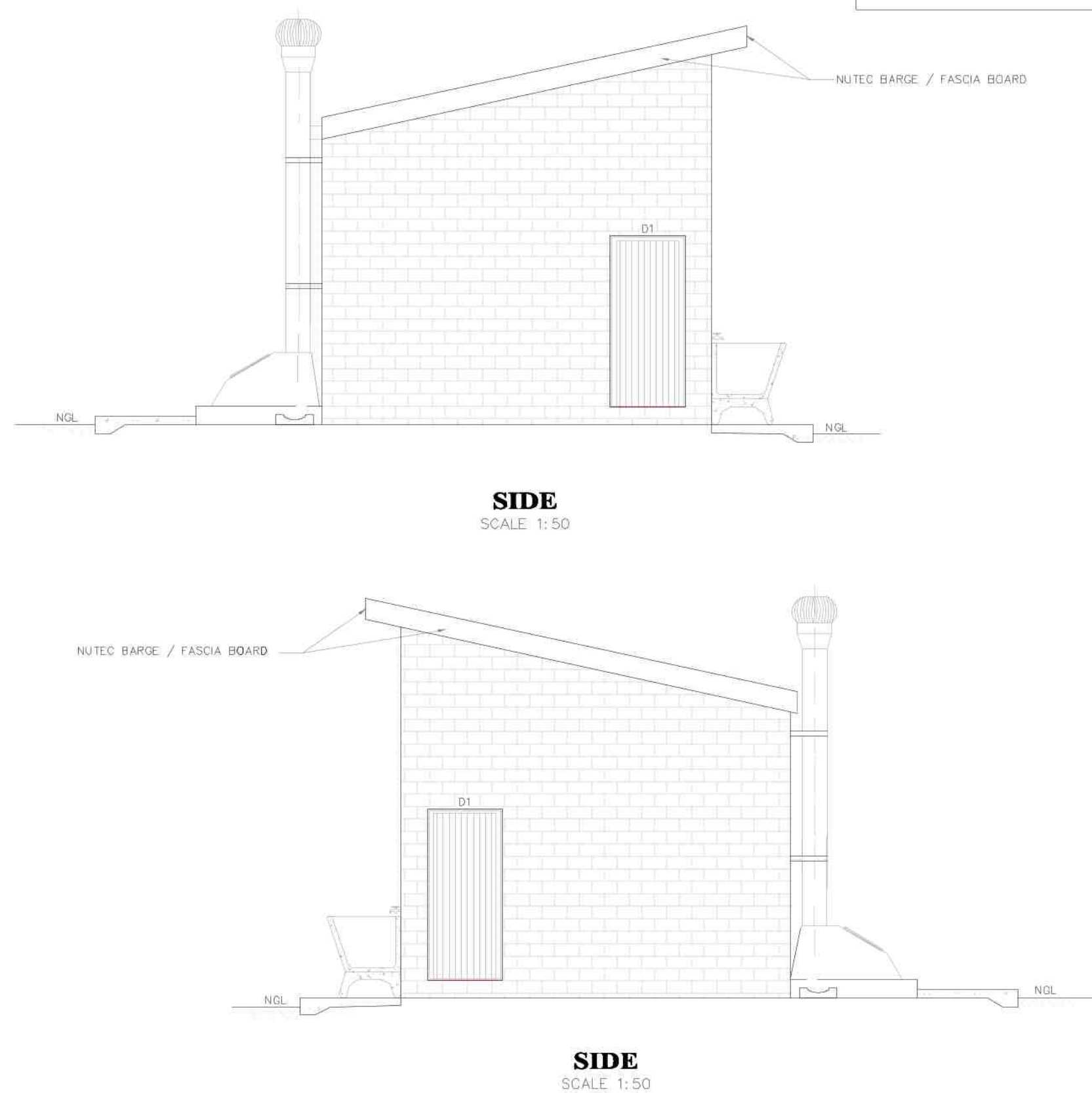
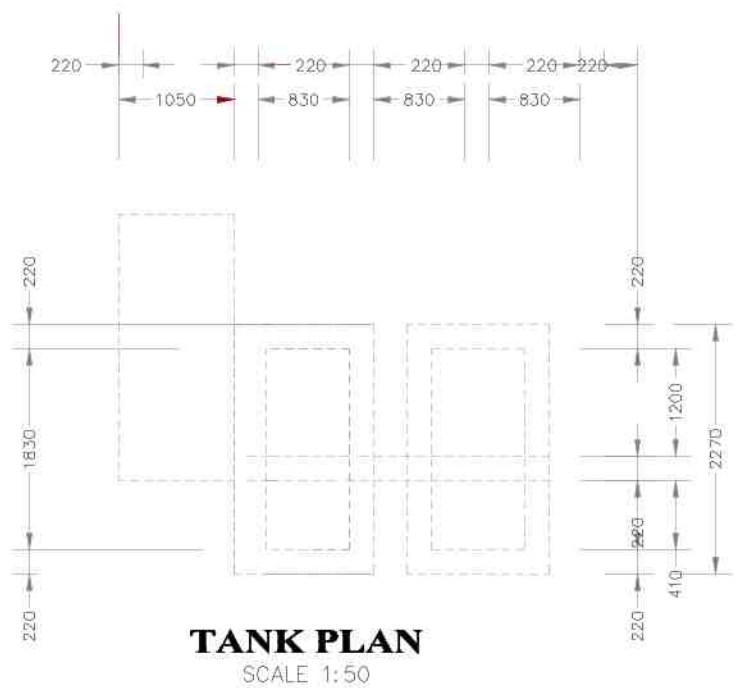
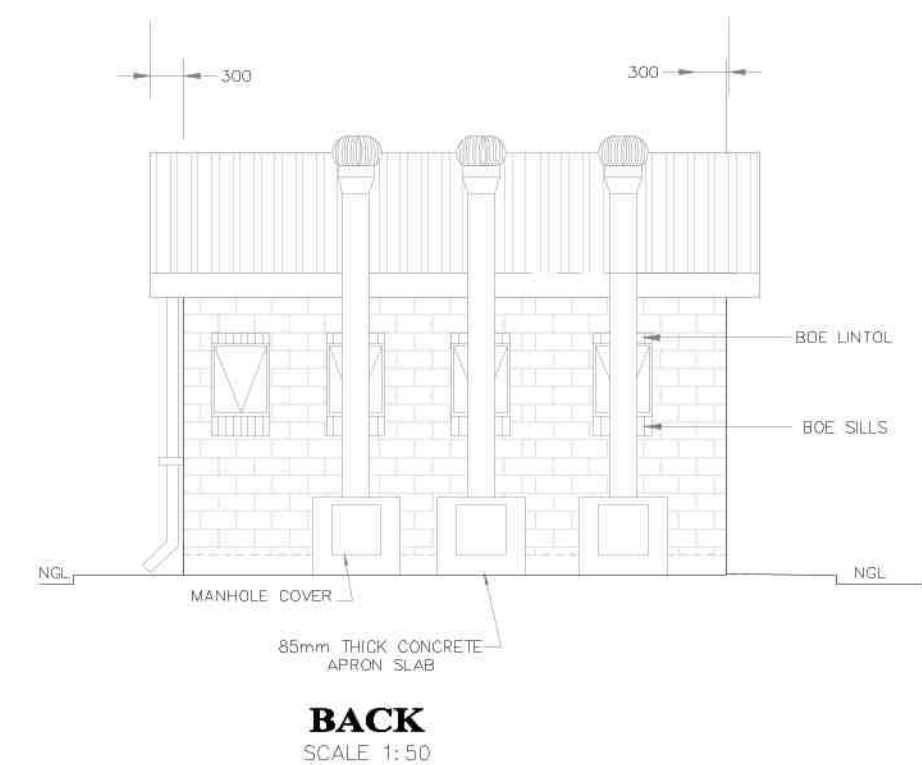
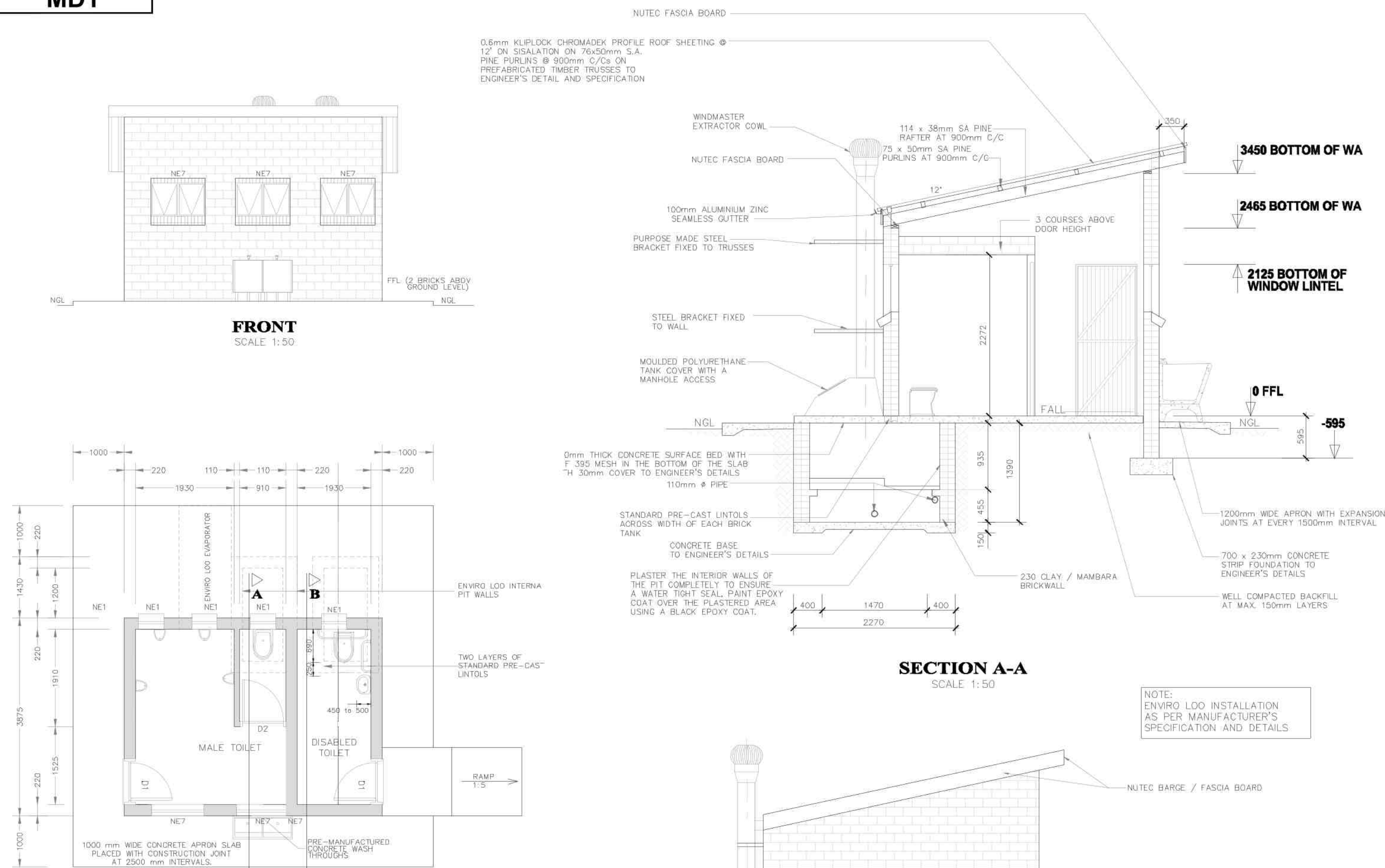


MD1



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.

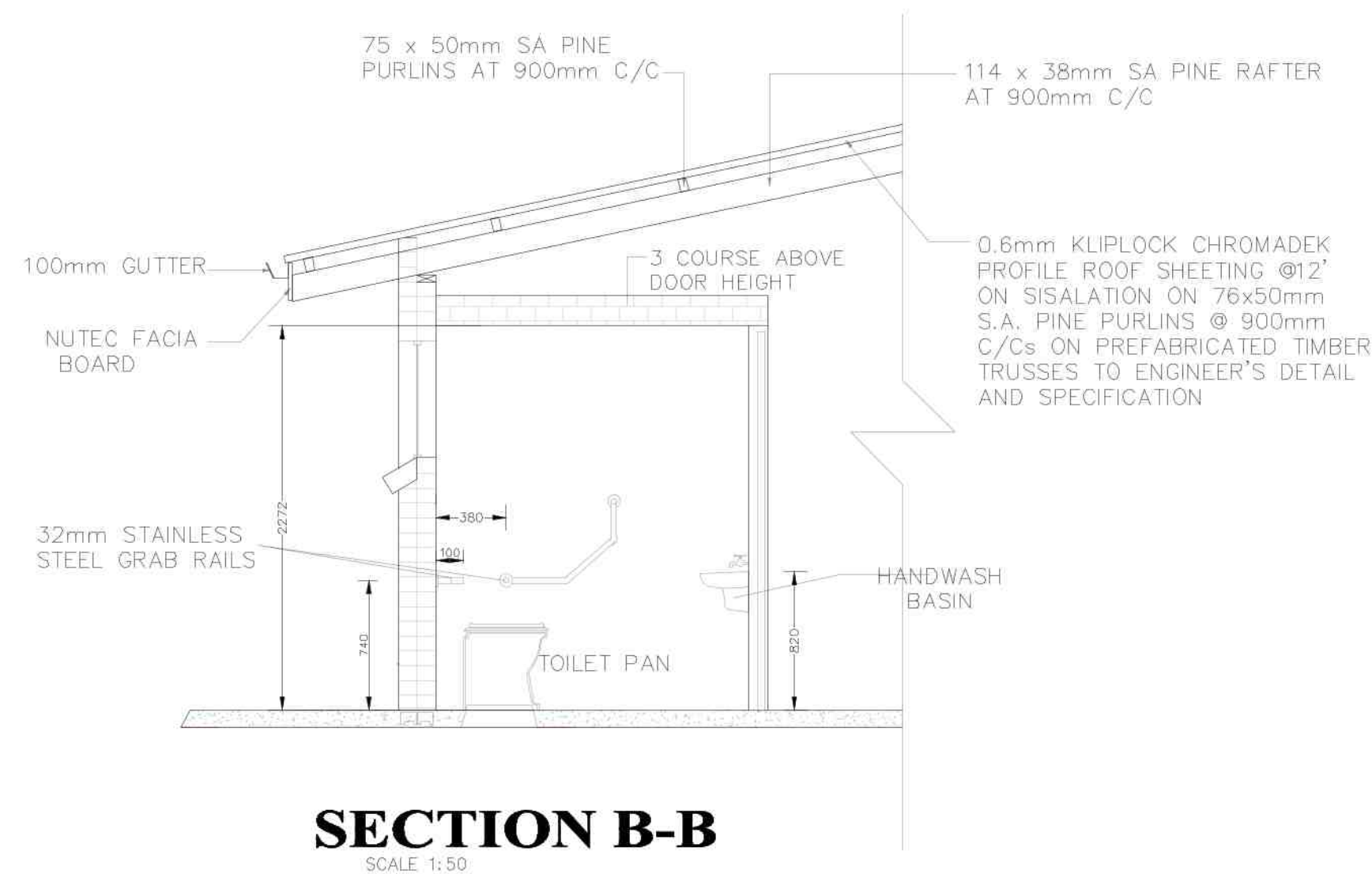
| WINDOW SCHEDULE | |
|-----------------|---|
| WINDOW NO. | N2 |
| CATALOGUE | NE7 |
| FRAME | 1022 x 854mm HIGH STANDARD STEEL WINDOW FRAME |
| FRAME FINISH | SPOT PRINING DEFECTS IN PRE-FRAME SURFACE WITH 2NC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS ENVP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL |
| GLAZING | 6.28mm OBTSCURE SAFETY GLASS |
| NO. REQUIRED | 3 |

| WINDOW SCHEDULE | |
|-----------------|---|
| WINDOW NO. | N1 |
| CATALOGUE | NE1 |
| FRAME | 533 x 854mm HIGH STANDARD STEEL WINDOW FRAME |
| FRAME FINISH | SPOT PRINING DEFECTS IN PRE-FRAME SURFACE WITH 2NC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS ENVP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL |
| GLAZING | 6.28mm OBTSCURE 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 2 COATS GLOSS ENAMEL - COLOUR TBC |
| DOOR LEAF | 44mm FRAMED LEDGED AND BRAZED DOOR SIZE 813x2032mm (DOOR RAISE BY 150mm TO TOP OF FRAME) |
| LEAF FINISH | UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL - COLOUR TBC |
| LOCK | 5' LEVER MORTICE LOCK SET |
| IRONWORKERY | 100mm BRAZE CABIN HOOK |

| CUBICLE DOOR | |
|--------------|---|
| FRAME TYPE | SINGLE REBATE STEEL DOOR FRAME - SIZE 813x2032mm (FRAME UNDERCUT TO 150mm) |
| FRAME FINISH | PRIME AND PAINT UNDERCOAT AND 2 COATS GLOSS ENAMEL - COLOUR TBC |
| DOOR LEAF | 44mm FRAMED LEDGED EMERALD 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 |
| IRONWORKERY | 100mm CHROME PLATED "D" TYPE HANDLE 3 BY SOLID BRASS HINGES |

| BUGLAR DOOR | |
|--------------|---|
| TYPE G1 | 2 OFF |
| POSITION | EXTERNAL TOILET BLOCK |
| DOOR TYPE | PURPOSE MADE SQUARE HOLLOW SECTION MILD STEEL SECURITY GATE |
| DOOR FINISH | 1/COAT 2NC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERNAL QUALITY) |
| FRAME | 50x38x18mm M.S. RECTANGULAR HOLLOW SECTION FRAME |
| FRAME FINISH | 1/COAT 2NC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERNAL QUALITY) |
| DOOR | 36x28x16mm RECTANGULAR HOLLOW SECTION FRAME WITH 25x25x16 INTERMEDIATES AT 100mm CENTRE AT A 45° ANGLE COLOUR TBC |
| IRONWORKERY | SECURITY DOUBLE THROW DEAD LOCK (NO LATCH) |



| 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 SANS 10400 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 have form. | | | |
| 6. All brickwork have brickwork 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 EnviroLoos Services before slab casting. | | | |
| COMPACTION OF SURFACES | | | |
| All ground surfaces receiving concrete floors / slabs should be compacted to 150mm layers 0.3% Moisture/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. | | | |
| True Concrete Mixes: Proportions | | | |
| Concrete Strength at 28 Days (28MPa): | | | |
| 1 bag cement : 0.09m ³ Sand : 0.09m ³ Stone (volume/Bag) | | | |
| 385 kg cement : 820 kg sand : 950 kg stone (Mass/m ³) | | | |
| 3. Pre-cast concrete lintels to be used as support under top slab of pit. | | | |
| 4. All concrete openings to be 1000mm wide. | | | |
| MORTAR | | | |
| Mixed proportions to be: | | | |
| 1 bag cement : 3 sand | | | |
| 1 bag cement : 3 wheelbarrows (37 litres) sand | | | |
| BRICKWORK | | | |
| Sub-structure | | | |
| 1. All pit lining / foundation brickwork to be solid HTF clay brick | | | |
| 2. All internal surface of all lining to be painted with two coats black epoxy paint installing Enviro-Loos units. | | | |
| Super-structure | | | |
| 1. All external walls / portions to be of clay face brick to SABS quality. | | | |
| 2. All cubicle portion walls to be 3 courses above door height. | | | |
| 3. All brickwork above door openings should have brickwork on every course at least 3 courses. | | | |
| 4. Air bricks: Standard 230x150mm terra-cotta vermin proofed louvered air grating to be used above all window openings. | | | |
| ROOF SHEETING | | | |
| 1. 0.6mm kliplock 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 Clips) are required at intersections between timber rafters and gables. | | | |
| 3. Slatation 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 proofing. | | | |
| 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 PAS71 specification | | | |
| 2. All steel window and door frames including doors and fascias / barge boards to be discharge points. | | | |

CONSULTANTS



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

| SIGNATURE | | DATE | SHEET SIZE |
|-----------|-----------------|-----------|-----------------|
| DESIGNED | TSHEPO MATSEKE | 26-2-2020 | A1 |
| DRAWN | TAWANDA NZVENGE | 26-2-2020 | SCALE AS SHOWN |
| VERIFIED | TSHEPO MATSEKE | | STATUS LEGEND |
| VALIDATED | | | 1. INFORMATION |
| | | | 2. DESIGN |
| | | | 3. CONSTRUCTION |
| | | | AS-BUILT |

IMPLEMENTED BY

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SPONSOR



PROJECT
LDoE 2019/20 - Limpopo Department of Education Schools Water and Sanitation Programme - DZIMBULUWANI PRIMARY

PROVINCE: LIMPOPO

DRAWING TITLE
BOYS 3 SEAT - 4 URINALS ENVIROLOO PUBLIC WORKS PROTOTYPE

| EMIS NUMBER | DISCIPLINE | DRAWING No. | STATUS | REVISION |
|-------------|--|-------------|--------|----------|
| | CIVIL ENGINEERING & PROJECT MANAGEMENT | MD3-I | | |