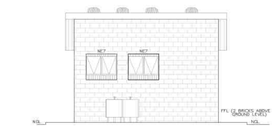
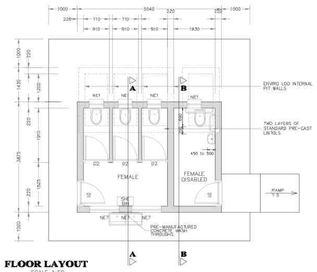
FD3

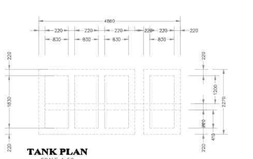


FRONT
SCALE 1:50

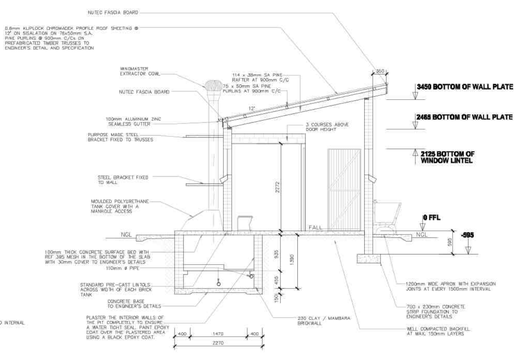


FLOOR LAYOUT
SCALE 1:50

BACK
SCALE 1:50

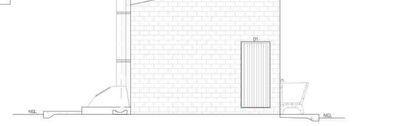


TANK PLAN
SCALE 1:50

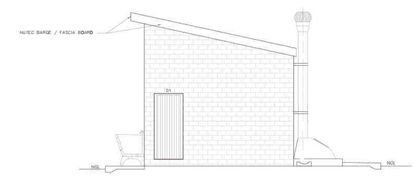


SECTION A-A
SCALE 1:50

NOTE:
ENVIRO LOO INSTALLATION AS PER MANUFACTURER'S SPECIFICATION AND DETAILS



SIDE
SCALE 1:50

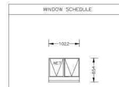


SIDE
SCALE 1:50

GENERAL NOTES:

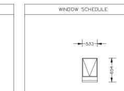
1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATION AND SABS 0400 OF 1990
2. CONTRACTOR TO READ ONLY FIGURED DIMENSION
3. CONTRACTOR TO VERIFY ALL DIMENSION ON SITE BEFORE COMMENCING WITH ANY WORK

WINDOW SCHEDULE



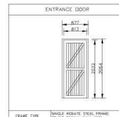
WINDOW NO.	W3
CATALOGUE	W7
FRAME	1022 x 600mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIMING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & 50% 1 COAT GLOSS ENAMEL FINISH COLOUR GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.38mm LAMINATED SAFETY GLASS
NO. REQUIRED	2

WINDOW SCHEDULE



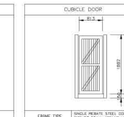
WINDOW NO.	W1
CATALOGUE	W1
FRAME	533 x 600mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIMING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & 50% 1 COAT GLOSS ENAMEL FINISH COLOUR GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.38mm LAMINATED SAFETY GLASS
NO. REQUIRED	6

ENTRANCE DOOR



FRAME TYPE	SINGLE REBATE STEEL FRAME
FRAME FINISH	PRIMER COAT AND 2 COATS GLOSS ENAMEL – COLOUR TBC
DOOR LEAF	44mm FRAMED LOUVED AND BRACED DOOR SIZE W/1x2032mm INCLUDING EXTERNAL WEATHER BAR
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL – COLOUR TBC
LOCK	3 LEVER MORTICE LOCK SET
IRONMONGERY	150mm BRACE CABIN HOOK

CUBICLE DOOR

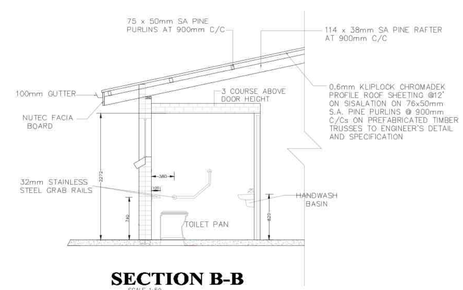


FRAME TYPE	SINGLE REBATE STEEL DOOR FRAME – 125 &1x30mm (FRAME UNDERCUT TO 150mm)
FRAME FINISH	PRIMER COAT AND MINIMUM 2 COATS GLOSS ENAMEL – COLOUR TBC
DOOR LEAF	44mm FRAMED LOUVED EMBRACED DOOR SIZE 813x2032mm (DOOR FACE 87 150mm TO TOP OF FRAME
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL – COLOUR TBC
LOCK	TOILET INDICATOR LOCK
IRONMONGERY	150mm CHROME PLATED "D" TYPE HANDLE 3 NO. BALL BRASE HINGES

BUGLAR DOOR

TYPE D1 — 2 QTY

POSITION	EXTERNAL TOILET BLOCK
DOOR TYPE	SINGLE REBATE STEEL HOLLOW SECTION FRAME 125 & 1x30mm (FRAME UNDERCUT TO 150mm)
DOOR FINISH	1 COAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL EXTERNAL QUALITY
FRAME	DOUBLE LEAF M.S. RECTANGULAR HOLLOW SECTION FRAME
FRAME FINISH	1 COAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL SILVERSP SILVER
DOOR	2MM/3MM 50MM RECTANGULAR HOLLOW SECTION FRAME WITH 2MM/3MM X 1x1/8MM/40 X 40 X 1.6MM/ 1x1/8MM MILD STEEL SQUARE BAR INFILL
IRONMONGERY	SECURITY DOUBLE THROW DEAD LOCK (NO LATCH)



SECTION B-B
SCALE 1:50

NO.	DATE	REVISION	DRAWN

NOTES AND SPECIFICATIONS

DESIGN
1. All dimensions provided and do not scale drawing
2. All work to comply with SANS, PIRSTI and SANS
3. All dimensions, levels and positions to be verified on site prior to construction.
4. All work to be done as per Engineer's details and specifications
5. All units to have feet
6. All brickwork have brickforce at every 3rd course in pit lining and 3rd course in superstructure.

PIT EXCAVATION
1. All ledges in pit excavation to be inspected and approved by Engineer and signed off
2. All pit lining to be inspected by Sinthuka Services before lime casting.
3. Pit floor to be level.
All ground surfaces receiving concrete floors / slab should be compacted to 150mm layers 93% MODIFIED/TO densely bonnie covering concrete.

CONCRETE WORKS
1. All concrete to be as per Engineer's details and specifications.
2. Concrete mixes and grades to be used throughout construction
Ref. Concrete Institute of SA
- Ordinary Portland at 28 days 25MPa
- 1 : 2 : 4 (19mm aggregate) 6.5 MPa
- 1 : 3 : 6 (19mm aggregate) 4.5 MPa (1 Stone (volume/Bag)
- 280 kg cement : 820 kg sand : 980 kg stone (Mass/Bag)
3. Pit cover concrete lintels to be used as support under top slab of pit.
4. Reinforcement danors to be 150mm wide.

MORTAR
Mixed proportions by bo:
- 1 cement : 3 sand
- 1 cement : 1 lime : 6 sand(screen (37 fines) sand)

BRICKWORK
Sub-structure
1. All pit lining / foundation brickwork to be solid NFP clay brick.
2. All internal surface of pit lining to be painted with two coats black slopsey paint.
3. All bricks to be cure white.

Super-structure
1. All external walls / partitions to be of clay face brick to SANS quality
2. All brickwork above floor level to be stretcher bond.
3. All brickwork above door openings should have brickforce on every course at least 3 courses.
4. All bricks Stretcher 220x102mm (wmp-cairs wemm pitched layered of grazing to be used loose at 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 connectors (metalwork Only) are required at intersections between timber rafters and purlins.
3. Thereafter is to be applied internal under all roof surfaces.

METALWORK
1. All metalwork should be primed before installation.
2. All steel window should have 0x20mm flat bar burglar grate/leg.

PLUMBING
1. Cistern concrete wash trough to be used.
2. All rain thoughs should be connected to the school's water supply system and
3. The waste water should be piped to a soakaway.
4. Soakaway position to be as per Engineer's detail and position to be determined on site.
5. Only 20mm pvc perforated pipework should be used as connection from well to the discharge points.

GLAZING
1. 6.38mm obscure safety glass.

PAINTING
1. All paintwork to comply with SABS and PRETI specification
2. All steel window and door frames including doors and fascia / barge boards to be discharge points.

CONSULTANTS

HIGH TEMPO INVESTMENT

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

	SIGNATURE	DATE	SHEET SIZE
DESIGNED	MAKHANDE MDLULI	29-3-2021	A1
DRAWN	MAKHANDE MDLULI	29-3-2021	SCALE: AS SHOWN
VERIFIED	TIYANI KLAASI		STATUS LEGEND: 1 = INFORMATION 2 = CONSTRUCTION (AS BUILT)
VALIDATED			

IMPLEMENTED BY

THE MVULA TRUST
A leading developmental NGO

THE MVULA TRUST
25 RHODESDRIFT STR, RHODESDRIFT OFFICE PARK
POLOKWANE
0699
FAX: 015 291 1270
TEL: 015 291 5405

SPONSOR

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DEPARTMENT OF EDUCATION

PROJECT
LDoE 2021/22 - Limpopo Department of Education Schools Water and Sanitation Programme - MUHUVHINI SCHOOL

PROVINCE: LIMPOPO

DRAWING TITLE
FD3

EWS NUMBER	DISCIPLINE	DRAWING No.	STATUS	REVISION
	CIVIL ENGINEERING & PROJECT MANAGEMENT	FD3-A		