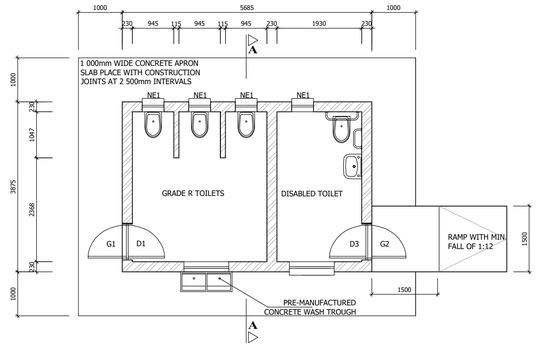
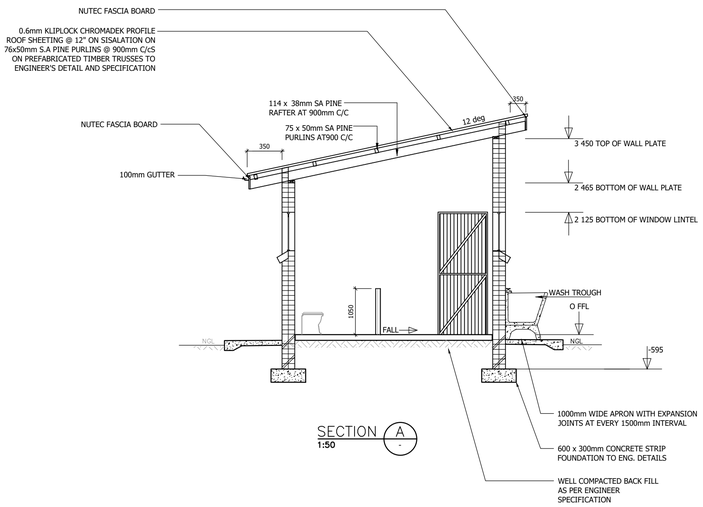
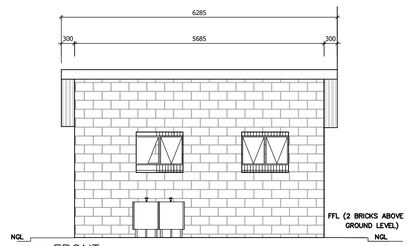


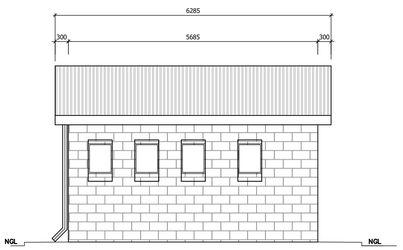
FLOOR LAYOUT
1:50



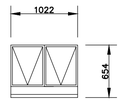
SECTION A
1:50

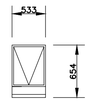


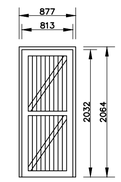
FRONT
1:50

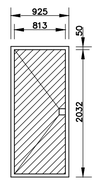


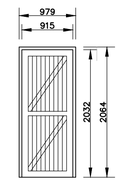
BACK
1:50

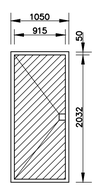
WINDOW SCHEDULE	
	
WINDOW NO.	N2
CATALOGUE	NE7
FRAME	1022 x 654mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRINING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS EPWP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY
NO. REQUIRED	2

WINDOW SCHEDULE	
	
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 EPWP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	4

ENTRANCE DOOR	
	
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 220mm WALL (D1)
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2no. 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
NO. REQUIRED	1

BUGLAR DOOR	
	
TYPE G1	
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 (EXTERIOR QUALITY)
DOOR	38x28x1.6mm RECTANGULAR HOLLOW SECTION FRAME WITH 25x25x1.6 INTERMEDIATES AT 100m CENTERS AT A 45° ANGLE COLOUR TBC
IRONMONGERY	SECURITY DOUBLE THROW DEAD LOCK (NO LATCH)
NO. REQUIRED	1

ENTRANCE DOOR	
	
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 220mm WALL (D3)
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2no. 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
NO. REQUIRED	1

BUGLAR DOOR	
	
TYPE G2	1 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	50x38x1.6mm M.S. RECTANGULAR HOLLOW SECTION FRAME
FRAME FINISH	1xCOAT ZINC CHROMATE PRIMER MINIMUM 2 x COATS GLOSS ENAMEL (EXTERIOR QUALITY)
DOOR	38x28x1.6mm RECTANGULAR HOLLOW SECTION FRAME WITH 25x25x1.6 INTERMEDIATES AT 100m CENTERS AT A 45° ANGLE COLOUR TBC
IRONMONGERY	SECURITY DOUBLE THROW DEAD LOCK (NO LATCH)
NO. REQUIRED	1

NOTES AND SPECIFICATIONS:

GENERAL
1. Use dimensions provided and do not scloe drawing.
2. All work to comply with SANS, PW371 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.

COMPACTION OF SURFACES

All ground surfaces receiving concrete floors / slab should be compacted to 150mm layers 93% ModAASHTO 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:
   Trial Concrete Mixes: Proportions
   Concrete Strenght at 28 Days 25Mpa:
   1 : 2 : 2 (mix proportion by volume)
   1 bag cement : 0.08m3 Sand : 0.09m3 Stone (Volume/Bag)
   385 kg cement : 820 kg sand : 960 kg stone (Mass/m3)
3. Pre-cast concrete lintols 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
(i.e.1 bag cement : 3 wheelbarrows (37 litres) sand)

BRICKWORK

Super-structure
1. All external walls / partitions to be of clay face brick to SABS quality.
2. All cubicle partition walls to be 3 courses above door height.
3. All brickwork above door openings should have brickforce on evry course at least 3 courses.
4. Air bricks: Standard 230X152mm terra-cotta vermin proofed lourved air grating to be used above all window openings.

ROOF SHEETING
1. 0.6mm kliplock chromadek roof sheeting

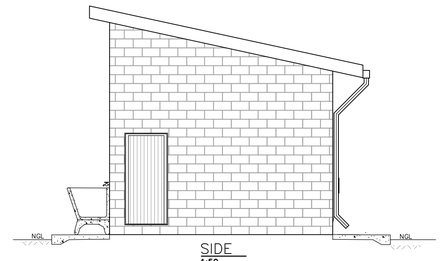
ROOF TIMBER / CEILING
1. All roof timbers to be machined SABS treated wood with three coats of approved wood preservative.
2. Timber connections (Hurricane Clips) are required all intercessions between timber rafters and purlins.
3. Sisalation is to be applied interval under all roof surfaces.

METALWORK
1. All metalwork should be primed before installation.
2. All steel window should have 6x20mm flat bar burglar proofing.

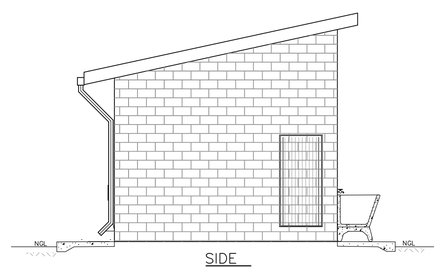
PLUMBING
1. Double concrete wash trough to be used.
2. All wash troughs should be connected to the school's water supply system and the waste water should be piped to a soakaway.
3. The soakaway should be as per Engineer's detail and position to be determined on site.
4. Only 20mm and galvanised pipework 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 PW371 specification.
2. All steel window and door frames including doors and fascia / barge boards to be discharge points.



SIDE
1:50



SIDE
1:50

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Contractor must verify and check all dimensions on site prior to commencing any works, shop drawings or fabrications. Do not scale this drawing. Any discrepancies should be immediately referred to the Architect.
IF IN DOUBT PLEASE ASK!

SANS 10400 GENERAL NOTES

All Construction to be in strict accordance with SANS 10400 (all parts relevant to this Project) as well as all local authority laws.

STRUCTURAL ELEMENTS:
-All structural elements to engineers design and specification, to comply with SANS 10400-H,J,K,L,M and/or N. Timber construction to comply with SANS 10082.
DIMENSIONS:
-Room and Space dimensions to comply with SANS 10400-C
PUBLIC SAFETY:
-Changes in level, Ramps and access all to comply with SANS 10400-C
SITE PROVISIONS:
-Provision of sanitary facilities to comply with SANS 10400-F
EXCAVATIONS:
-Stability of soil to be assessed and confirmed by an appointed civil/structural engineer prior to construction.
-All excavations to structural/civil engineers design and specifications, to comply with SANS 10400-G.
-Final Bulk earth levels to be established by contractor and approved by architect and civil engineer.
FLOORS:
-All floors to wet rooms (Laundries, shower rooms, kitchens, bathrooms, toilets, etc) to comply with SANS 10400-J
-Slabs supported on ground to comply with SANS 10400-B,H and J.
WALLS:
-Structural strength and stability of all walls to comply with SANS 10400-B,T and K
-Roof fixing to comply with SANS 10400-B and K
-Water penetration through walls to comply with SANS 10400-K.
ROOFS:
-Roof coverings and waterproofing to comply with SANS 10400-L
-Flat roofs and related gutters to comply with SANS 10400-L or be the subject of a rational design / assessment or both by a specialist / engineer.
-Roof and ceiling assembly supporting walls to comply with SANS 10400-C and L
-Gutters and downpipes sizing to comply with SANS 10400-R.
Fire resistance and combustibility of the roof assembly to comply with SANS 10400-L and T.
GLAZING:
-Glazing type and fixing to comply with SANS 10400 -B and N
LIGHTING AND VENTILATION:
-Lighting of habitable rooms, bathrooms, etc to comply with SANS 10400- T and O
-Ventilation to comply SANS 10400 - T and O
DRAINAGE:
-Drainage design and installation to comply with SANS 10400-P
STORM WATER DISPOSAL:
-Control and disposal of storm water to comply with SANS 10400-R
PERSONS WITH DISABILITIES:
-Provisions for persons with disabilities to comply with SANS 10400-S
FIRE PROTECTION AND INSTALLATION:
-Rational design/ assessment by specialist to be submitted at building plan submission stage.

Date		Revision	Intials
04.07.2023	T	ISSUED FOR TENDER	NR

CLIENT

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF
EDUCATION

IMPLEMENTING AGENT

THE MVULA TRUST
A leading developmental NGO

ENGINEER

mont consulting engineers

PROJECT NAME

LPDE 2023/24 PROGRAMME
WATER AND SANITATION PROJECT

DRAWING DESCRIPTION

DJUNANE PRIMARY SCHOOL
GR3 WITH DISABLED SEAT

DATE:	SCALES:	DRAWN:
JULY 2023	AS SHOWN	NT
EMIS No.	DRAWING No.	REVISION
931331186	A-F3-001	T

ISSUED FOR APPROVAL		
ISSUED FOR INFORMATION		
ISSUED FOR SUBMISSION		
ISSUED FOR TENDER		
ISSUED FOR CONSTRUCTION		04.07.2023

A1