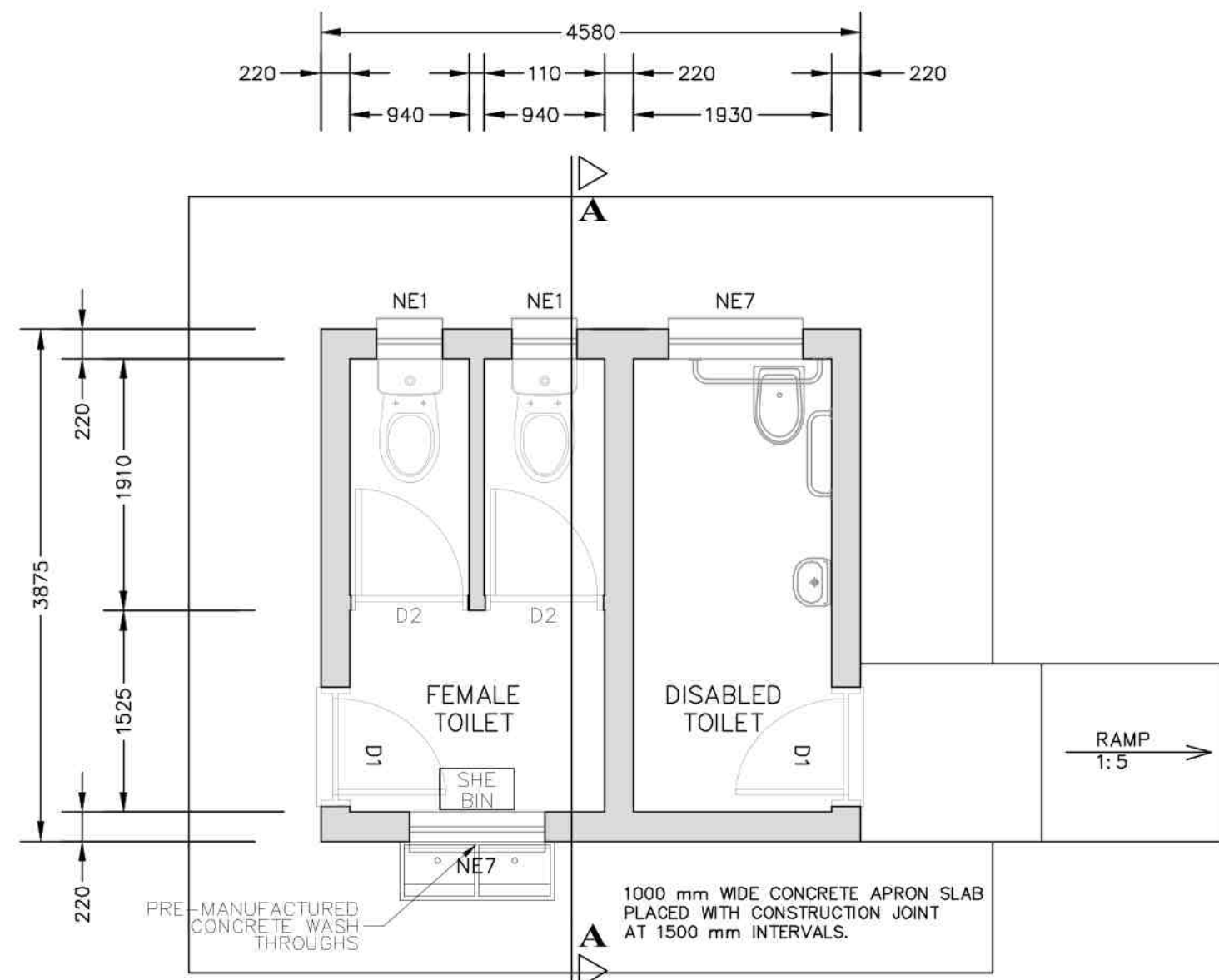
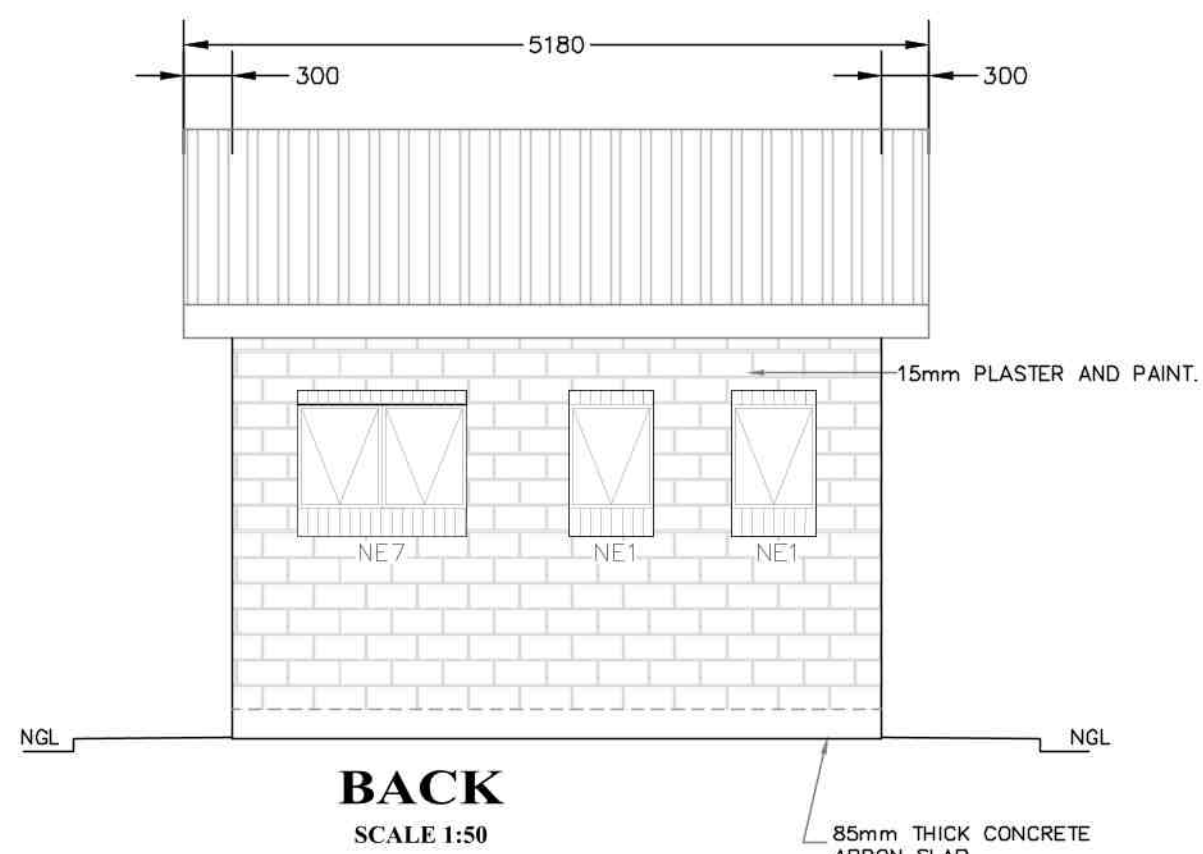


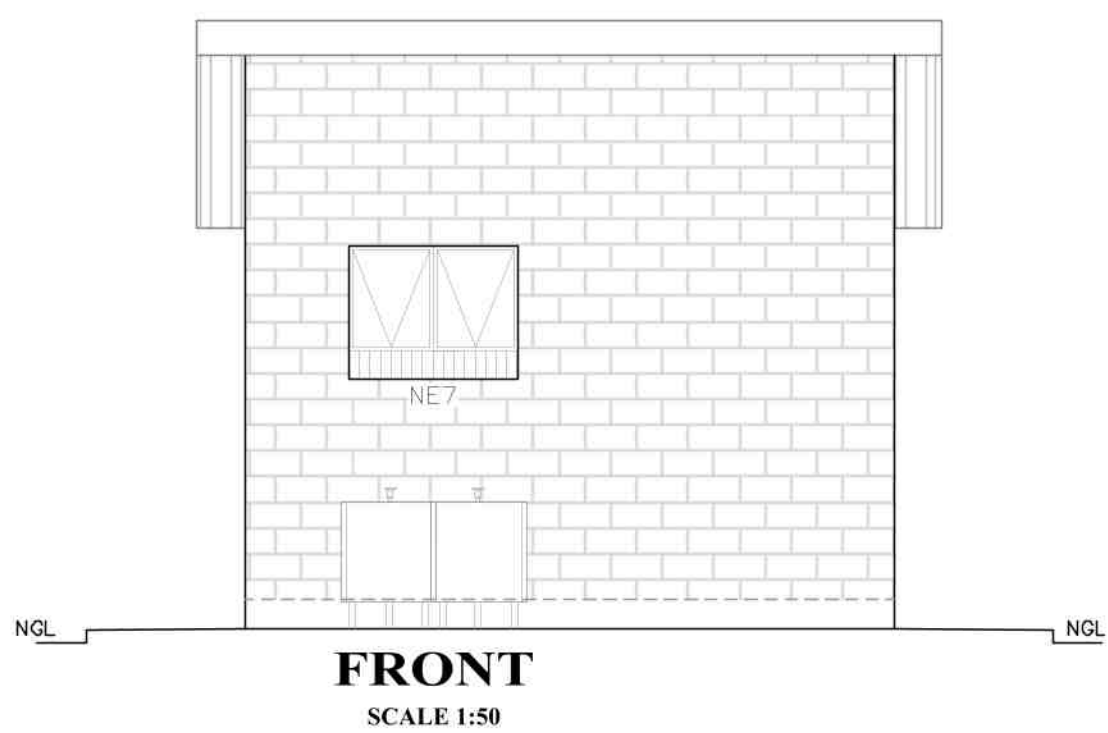
FD2



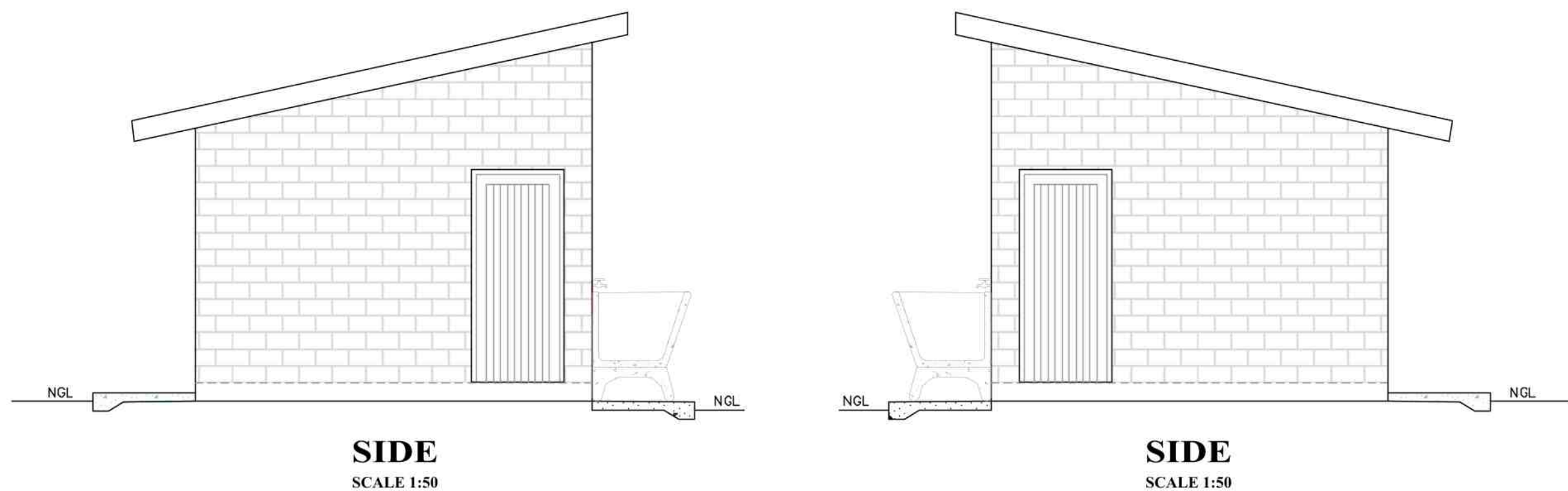
FLOOR LAYOUT
SCALE 1:50



BACK
SCALE 1:50



FRONT
SCALE 1:50



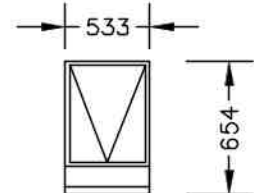
SIDE
SCALE 1:50

SIDE
SCALE 1:50

GENERAL NOTES:

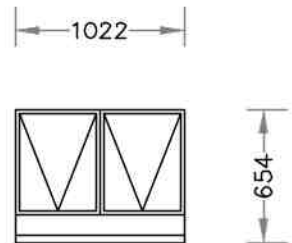
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATION AND SABS 0400 OF 1990
- CONTRACTOR TO READ ONLY FIGURED DIMENSION
- CONTRACTOR TO VERIFY ALL DIMENSION ON SITE BEFORE COMMENCING WITH ANY WORK.

WINDOW SCHEDULE



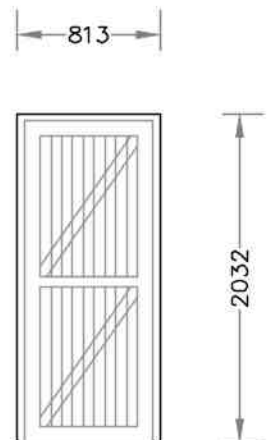
WINDOW NO.	N1
CATALOGUE	NE1
FRAME	533 x 654mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIMING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS EPWP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	4mm OBSCURE GLASS ON TOP NINE PANES
NO. REQUIRED	2

WINDOW SCHEDULE



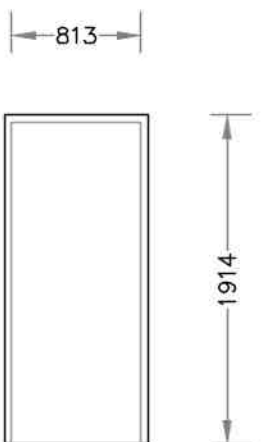
WINDOW NO.	N2
CATALOGUE	NE7
FRAME	1022 x 654mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIMING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS EPWP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	4mm CLEAR FLOAT GLASS ON TOP NINE PANES
NO. REQUIRED	2

DOOR SCHEDULE



DOOR NO.	SINGLE REBATE STEEL FRAME TO FIT 220mm WALL (D1)
CATALOGUE	PRIME AND PAINT UNDERCOAT AND 2no. FINISHING COATS IN GLOSS ENAMEL
DOOR LEAF	44mm FRAMED DOOR 813 x 2032mm HIGH MIDDLE LEDGE & BRACES, & 22 x 220mm BOTTOM ONE SIDE BOARDING INCLUDING WEATHER-BOARD
LEAF FINISH	2no. EPWP GOLDEN BROWN HIGH GLOSS ENAMEL PAINT
LOCK	3 LEVER MORTICE LOCK STANDED AS PER MANUFACTURE
NO. REQUIRED	2

DOOR SCHEDULE



DOOR NO.	SINGLE REBATE STEEL FRAME TO FIT 110mm WALL (D2)
CATALOGUE	PRIME AND PAINT UNDERCOAT AND 2no. FINISHING COATS IN EPWP BROWN GLOSS ENAMEL
DOOR LEAF	813 x 2032 x 44mm SEMI SOLID DOOR
LEAF FINISH	4no. EPWP GOLDEN BROWN HIGH GLOSS ENAMEL PAINT
LOCK	2 LEVER MORTICE LOCK STANDARD AS PER MANUFACTURE WITH BARREL BOLT
NO. REQUIRED	2

NO.	DATE	REVISION	DRAWN

NOTES AND SPECIFICATIONS:

GENERAL:

- Use dimensions provided and do not add 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 brickforce at every 2nd course in pit lining and 3rd course in superstructure.

PIT EXCAVATION:

- All slopes 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 S35 ModA&STD densely before casting concrete.

CONCRETE WORKS:

- All concrete to be as per Engineer's details and specifications.
- 20 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 : 0.02m³ Sand : 0.02m³ Stone (Volume/Bag)

355 kg cement : 820 kg sand : 960 kg stone (Mass/7m³)

- Pre-coat 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 pointed with two coats block expoxy point 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 brickforce on every course at least 3 courses.
- Air Bricks: Standard 230x152mm terra-cotta vermin proofed louvered air grating to be used above all window openings.

ROOF SHEETING

- 0.6mm killock 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 at intercessions between timber rafters and purlins.
- Skeleton 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 200mm and galvanised pipework should be used as connection from wall to the discharge points.

GLAZING

- 6.28mm obscure safety glass:

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.

CONSULTANTS



AES CONSULTING CC
OFFICE NO. 7, 125 MARSHALL ST.
POLOKWANE
0700

TEL: 015 291 3305
email: admin@aesconsulting.co.za

	SIGNATURE	DATE	SHEET SIZE
DESIGNED	TSHEPO MATSEKE	26-2-2020	A1
DRAWN	TAWANDA NZVENGE	26-2-2020	SCALE
VERIFIED	TSHEPO MATSEKE		AS SHOWN
VALIDATED			STATUS LEGEND

IMPLEMENTED BY



THE MVULA TRUST
25 RHODESDRIFT STR, RHODESDRIFT OFFICE PARK
POLOKWANE
0699
TEL: 015 291 2405 FAX: 015 291 1270

SPONSOR



DEPARTMENT OF
EDUCATION

PROJECT
LDoE 2019/20 - Limpopo Department of Education Schools Water and Sanitation Programme - KABELO SECONDARY

PROVINCE: LIMPOPO

DRAWING TITLE
FEMALE 2 SEAT WATER-BORNE TOILET

EMIS NUMBER	DISCIPLINE	DRAWING No.	STATUS	REVISION
	CIVIL ENGINEERING & PROJECT MANAGEMENT	FD2-D		