

Technical drawing of a wall section. The wall is constructed of brickwork. A sloped roof is shown above the wall, with a horizontal line indicating the roof's profile. A window frame is visible on the left side of the wall. The drawing is labeled 'NGL' at the bottom left corner.

BOYS SIDE ELEV.
SCALE 1:50

0.6mm KLUPLOCK CHROMADEK PROFILE
ROOF SHEETING AT 12° ON SISALATION
ON 12mm X 50mm SA PINE FURLING
AT 900mm C/C ON 14mm X 38mm
SA PINE RAFTERS TO ENGINEER'S DETAIL.

3000

NUTEC FASCIA BOARD.

3450mm

BOTTOM OF WALL PLATE

2465mm

BOTTOM OF WALL PLATE

2125mm

BOTTOM OF WINDOW LINING

12.5°

NUTEC FASCIA BOARD.

100mm G.I.
SEAMLESS GUTTER.

2295

1% FALL

NGL

1000mm THICK CONCRETE
SURFACE BED WITH REF
385 MESH IN THE BOTTOM
OF THE SLAB WITH 100mm
COVER TO ENGINEERS
DETAILS.

595

0.000mm
F.F.T.

-0.555mm

1000mm WIDE CONCRETE APRON
WITH CONSTRUCTION JOINT
AT 2500mm INTERVALS.

700mm X 230mm CONCRETE
FOOTING TO ENGINEERS DETAIL.

BOYS SECTION A-A.

CUBICLE DOOR - D2

NOTES AND SPECIFICATIONS.

GENERAL.

1. Use dimensions provided and do not scale drawings.
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.
5. All pits to face North.
6. All brickwork to have brickforce at every second course in pit lining and third course in super structure.

1. All ground surfaces receiving concrete floors/slab should be compacted to 150mm layers 93% Mod. AASHTO. density before casting concrete.

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.

1 : 2 : 2 (Mix proportion by volume)

1 bag cement : 0.08m³ sand : 0.09³ stone

385 kg cement : 820 kg sand : 960 kg stone

3. Pre-cast concrete lintols to be used as support under top slab of pit.
4. All concrete aprons to be 1 000mm wide.

Mixed proportions to be:
1 cement : 3 sand
(i.e 1 bag cement : 3 wheelbarrows 37 litres sand)

Sub-structure.

1. All pit lining/foundation brickwork to be solid NFP clay brick.
2. All internal surfaces of pit lining to be painted with two coats black epoxy paint.

1. All external walls/partitions to be clay face brick to SABS quality.
2. All cubicle partition walls to be three courses above door height.
3. All brickwork above door openings should have brickforce on every course for atleast three courses.
4. Air bricks: Standard 230mm X 152mm terra-colls vermin proofed louvered air grating to be used above all window openings.

1. 0.6mm Kliplok Chromadek roof sheeting.

1. All roof timbers to be machined SABS treated wood preservative.
2. Timber connections (Hurricane clips) are required at all intersections between timber rafters and purlins.
3. Sisalation is to be applied at intervals under all roof surfaces.

1. All metalwork should be primed before installation
2. All steel windows should have 6mm X 20mm flat bar burglar proofing.

1. Double concrete wash troughs 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 the soakaway.
3. The soakaway should be as per Engineer's detail and position to be determined on site.
4. Only 20mm and galvanized pipework should be used as connection from the wall to the discharge points.

1. 6.28mm obscure safety glass.

1. All paintwork to comply with SABS and PW371
2. All steel window and door frames including doors and fascia/barge boards to be discharge points.

[illegible]

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	SIGNATURE	DATE	SHEET SIZE A1
DESIGNED	SM	18-04-2023	SCALE
DRAWN	MM	18-04-2023	
VERIFIED	SM	18-04-2023	STATUS LEGEND I = INFORMATION T = TENDER C = CONSTRUCTION J&B = J&BUILT
VALIDATED	RN	18-04-2023	

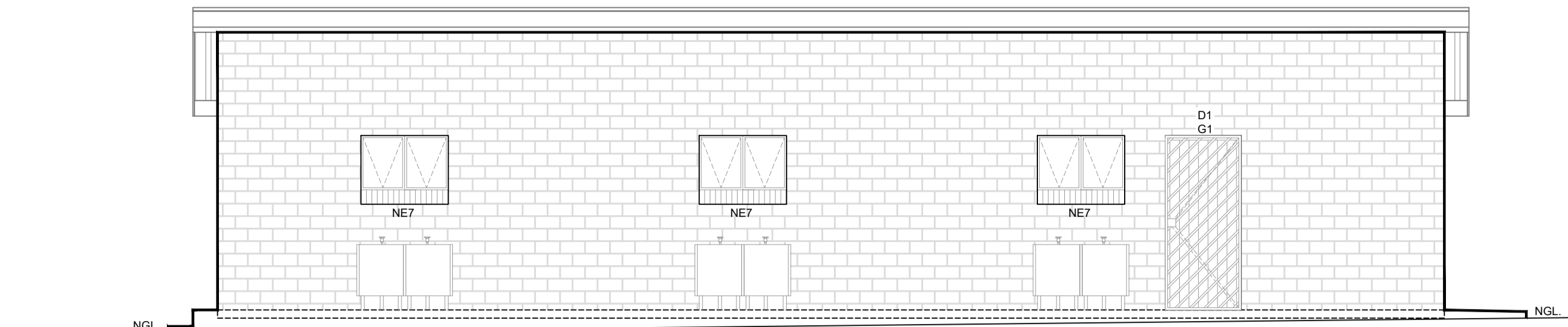
IMPLEMENTED BY



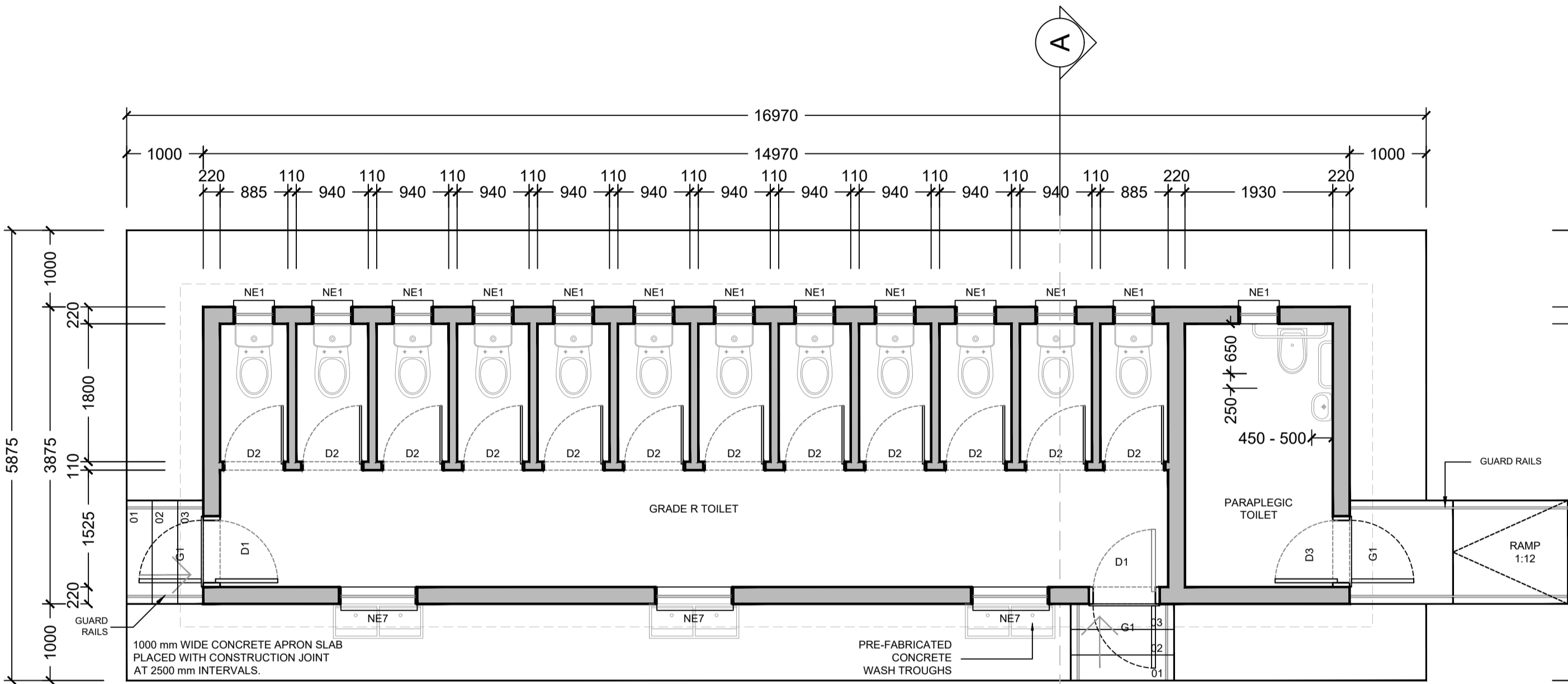
SPONSOR



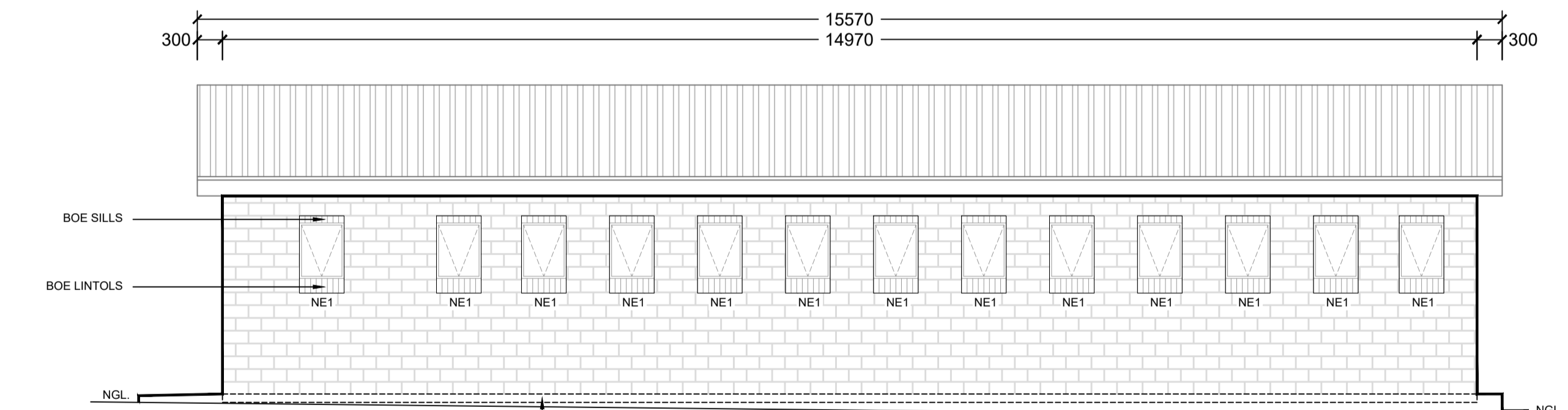
PROJECT				
MOLOKE PRIMARY SCHOOL				
PROVINCE: LIMPOPO				
DRAWING TITLE				
M6 + 4UR				
EMIS NUMBER	DISCIPLINE	DRAWING No.	STATUS	REVISION
	CIVIL ENGINEERING	B_BLK_04	T	0



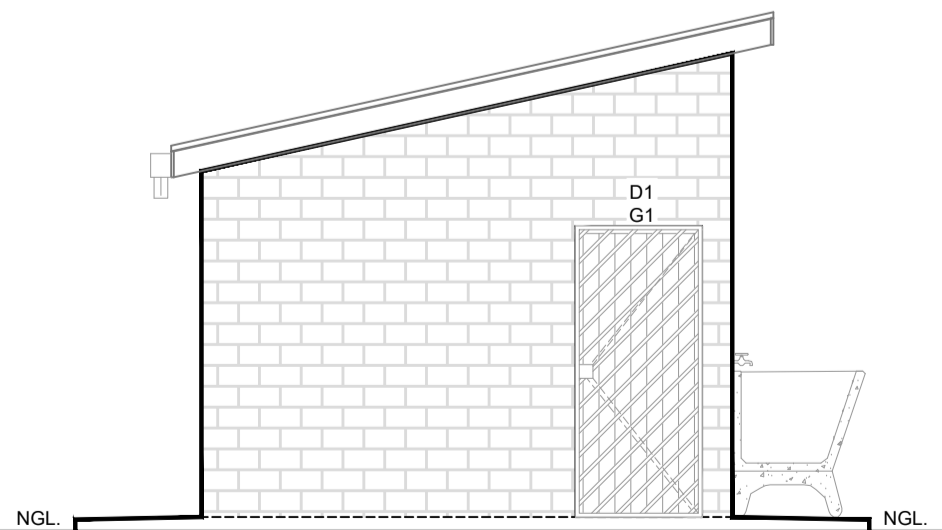
GRADE R FRONT ELEV.
SCALE 1:50



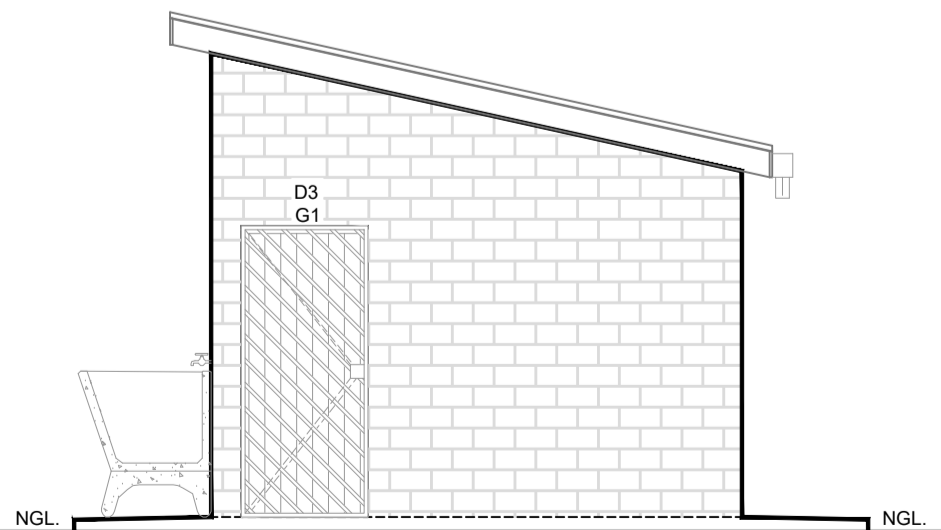
GRADE R FLOOR PLAN
SCALE 1:50



GRADE R BACK ELEV.
SCALE 1:50



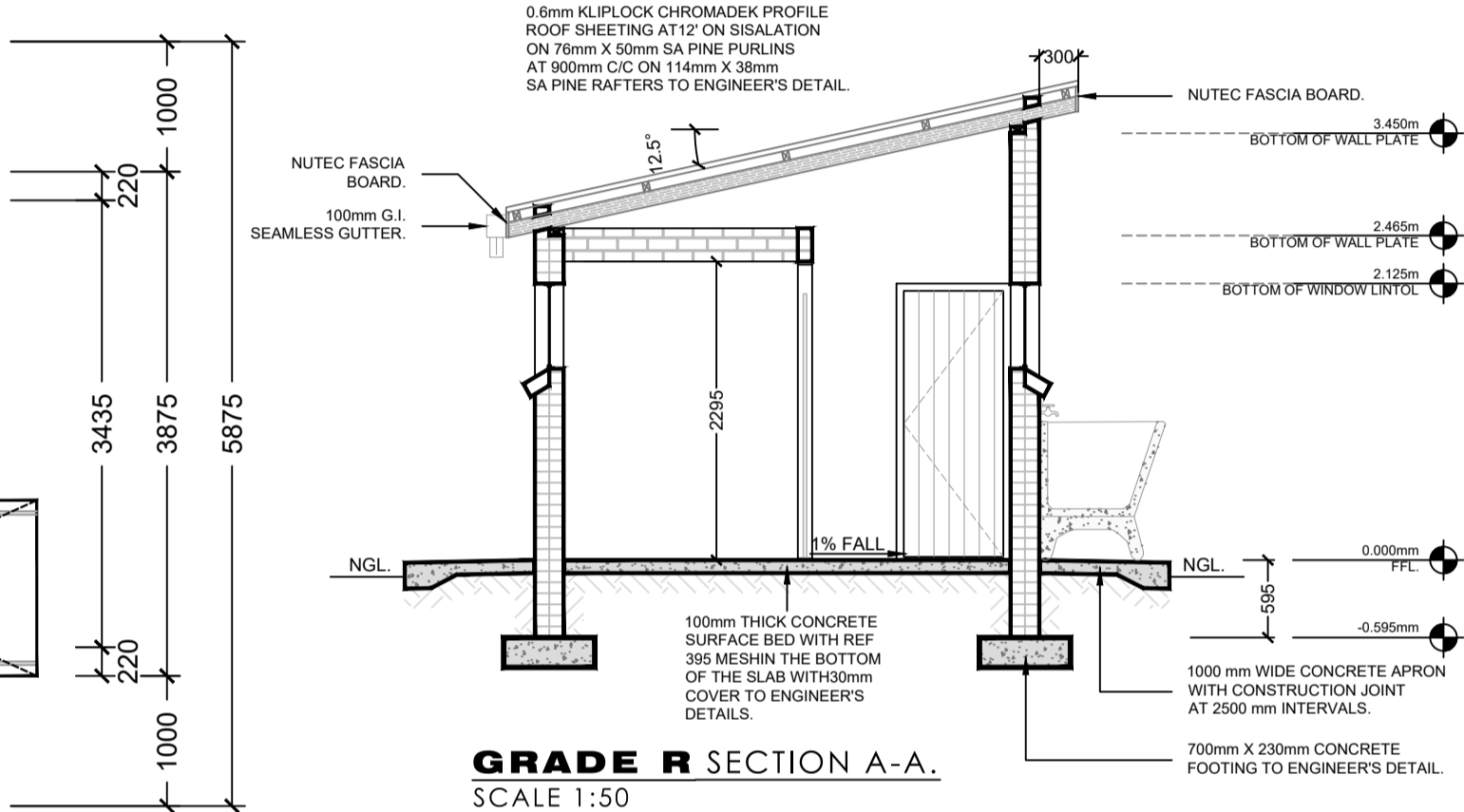
GRADE R SIDE ELEV.
SCALE 1:50



GRADE R SIDE ELEV.
SCALE 1:50

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

BURGLER DOOR - 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 100mm CENTERS AT A 45° ANGLE COLOUR TBC
IRON MONGERY	SECURITY DOUBLE THROW DEAD LOCK (NO LATCH)
NUMBER REQUIRED	2



GRADE R SECTION A-A.
SCALE 1:50

WINDOW SCHEDULE	
WINDOW NO.	N1
CATALOGUE	NE1
FRAME	533mm x 654mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRINING DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER AND APPLY ONE UNIVERSAL UNDER COAT & TWO COATS EPWP GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	13

ENTRANCE DOOR - D1	
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
IRON MONGERY	100mm BRACE CABIN HOOK
NO. REQUIRED	2

CUBICLE DOOR - D2	
FRAME TYPE	SINGLE REBATE STEEL DOOR FRAME - SIZE 813x53mm (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
IRON MONGERY	100mm CHROME PLATED "D" TYPE HANDLE 3 BY SOLID BRACE HINGES
NO. REQUIRED	12

PARAPLEGIC ENTRANCE DOOR - D3	
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
IRON MONGERY	100mm BRACE CABIN HOOK
NO. REQUIRED	1

NOTES AND SPECIFICATIONS.
GENERAL.

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- 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 to have brickforce at every second course in pit lining and third course in super structure.

COMPACTION OF SURFACES.

- All ground surfaces receiving concrete floors/slab should be compacted to 150mm layers 93% Mod. AASHTO. density before casting concrete.

CONCRETE WORKS.

- All concrete to be as per Engineer's details and specifications.
 - 25 MPa strength concrete to be used throughout construction.
- Trial concrete mixes: Proportions.
1 : 2 : 2 (Mix proportion by volume)
1 bag cement : 0.08m³ sand : 0.09³ stone
385 kg cement : 820 kg sand : 960 kg stone
- Pre-cast concrete lintols to be used as support under top slab of pit.
 - All concrete aprons to be 1 000mm 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 surfaces of pit lining to be painted with two coats black epoxy paint.

Super-structure.

- All external walls/partitions to be clay face brick to SABS quality.
- All cubicle partition walls to be three courses above door height.
- All brickwork above door openings should have brickforce on every course for atleast three courses.
- Air bricks: Standard 230mm X 152mm terra-colls vermin proofed louvred air grating to be used above all window openings.

ROOF SHEETING.

- 0.6mm Kliplok Chromadek roof sheeting.

ROOF TIMBER/CEILING.

- All roof timbers to be machined SABS treated wood preservative.
- Timber connections (Hurricane clips) are required at all intersections between timber rafters and purlins.
- Sisalation is to be applied at intervals under all roof surfaces.

METALWORK.

- All metalwork should be primed before installation.
- All steel windows should have 6mm X 20mm flat bar burglar proofing.

PLUMBING.

- Double concrete wash troughs to be used.
- All wash troughs should be connected to the school's water supply system and the waste water should be piped to the soakaway.
- The soakaway should be as per Engineer's detail and position to be determined on site.
- Only 20mm and galvanized pipework should be used as connection from the wall to the discharge points.

GLAZING.

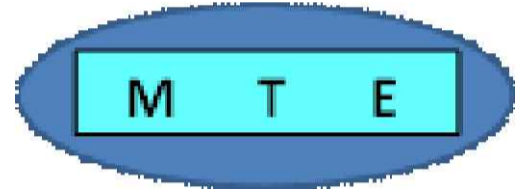
- 6.28mm obscure safety glass.

PAINTING.

- All paintwork to comply with SABS and PW371
- All steel window and door frames including doors and fascia/barge boards to be discharge points.

NO.	DATE	REVISION	DRAWN

ARCHITECT



CONSULTANT

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DRAWN	MM	18-04-2023	SCALE
VERIFIED	SM	18-04-2023	STATUS LEGEND
VALIDATED	RN	18-04-2023	1 - INFORMATION 2 - DESIGN 3 - CONSTRUCTION 4 - AS BUILT

IMPLEMENTED BY



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PROJECT	MOLOKE PRIMARY SCHOOL
PROVINCE: LIMPOPO	
DRAWING TITLE	GRD12

EMIS NUMBER	DISCIPLINE	DRAWING No.	STATUS	REVISION
	CIVIL ENGINEERING	GR_BLK_03	T	0