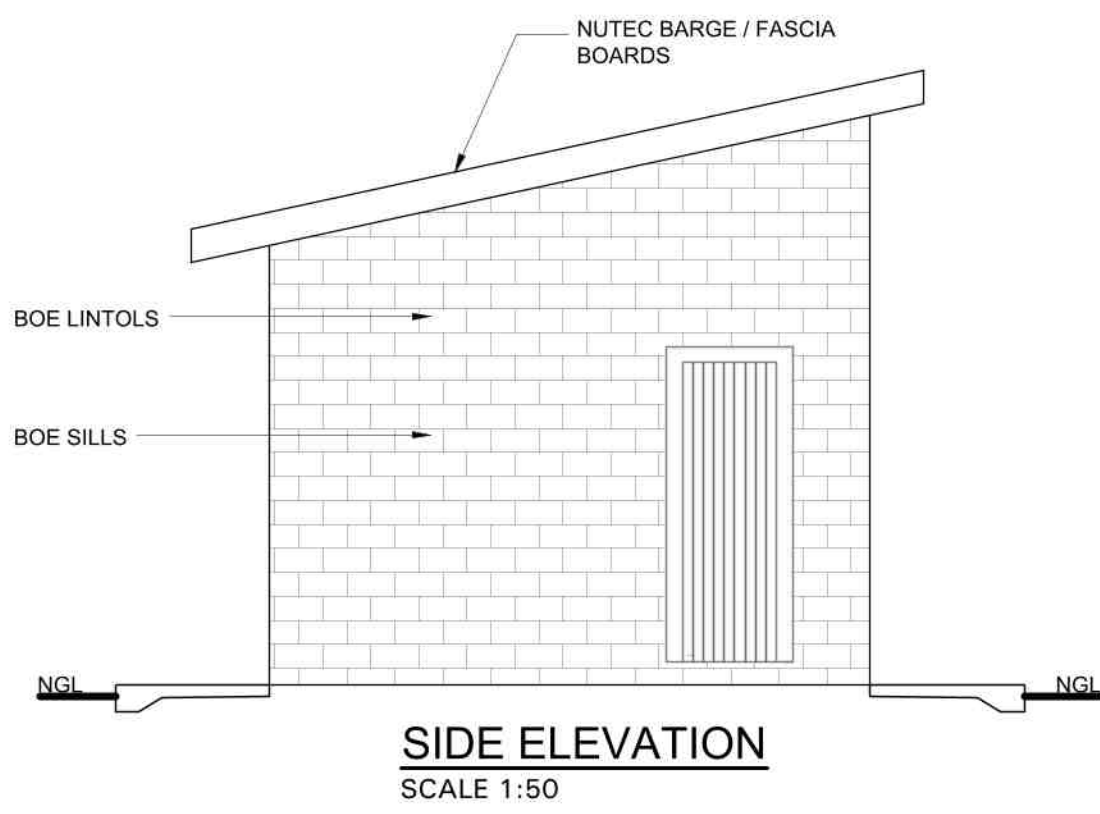
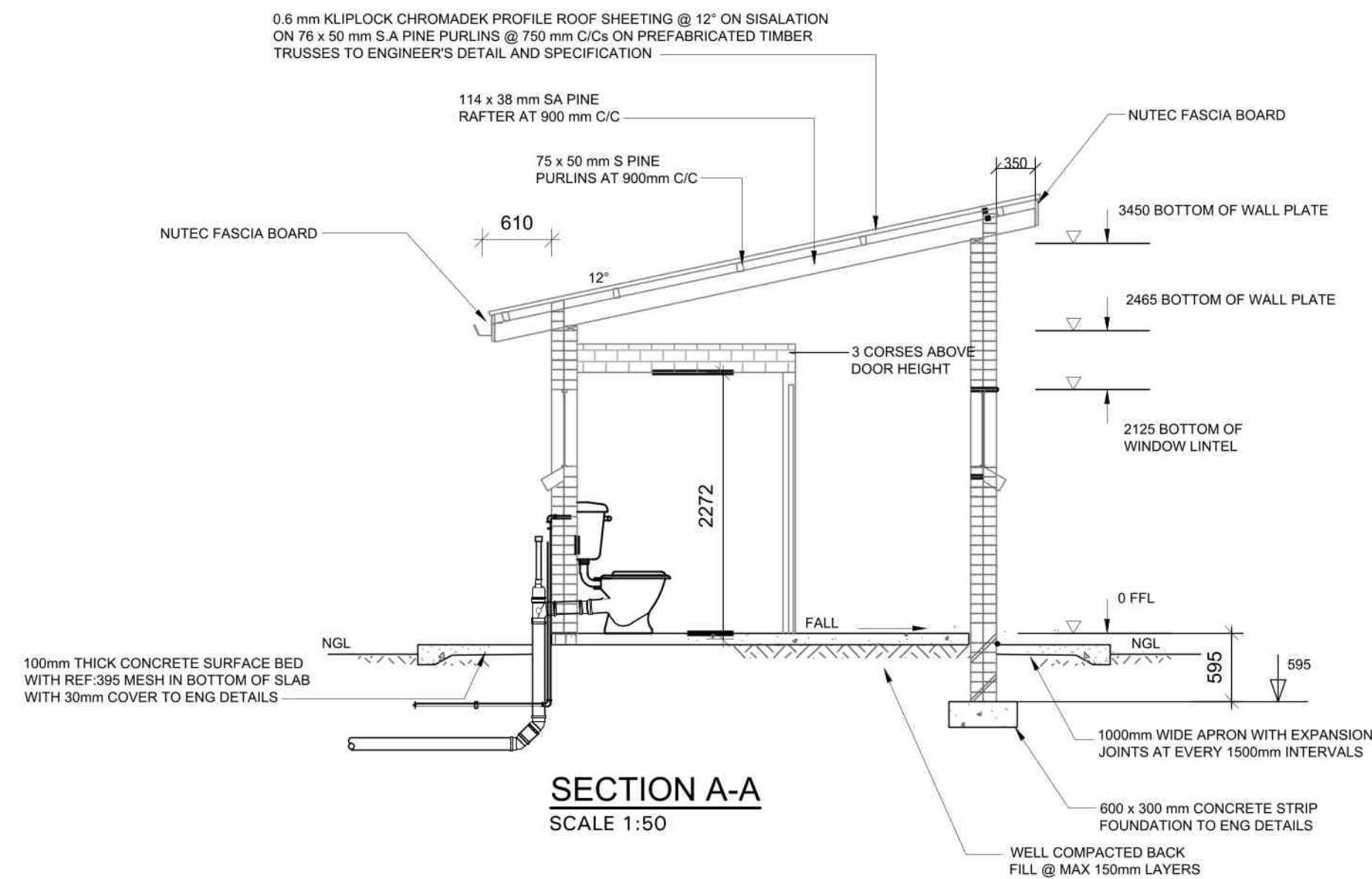


SCALE 1:50



SCALE 1:50



#### NOTES AND SPECIFICATIONS:

- GENERAL**
1. Use dimensions provided and do not scale drawing.
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  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 brickwork have brickforce at every 3rd course in superstructure.

**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 Strength at 28 Days 25Mpa:  
1 : 2 : 2 (mix proportion by volume)  
1 bag cement : 0.08m<sup>3</sup> Sand : 0.09m<sup>3</sup> Stone (Volume/Bag)  
385 kg cement : 820 kg sand : 960 kg stone (Mass/m<sup>3</sup>)
3. 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-cotts 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 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.
3. All external doors to be fitted with GS painted burglar gates approved by engineer.

#### 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.

WINDOW SCHEDULE	
WINDOW NO.	NE2
CATALOGUE	NE7
FRAME	1022 x 864mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS SPRAY GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	3

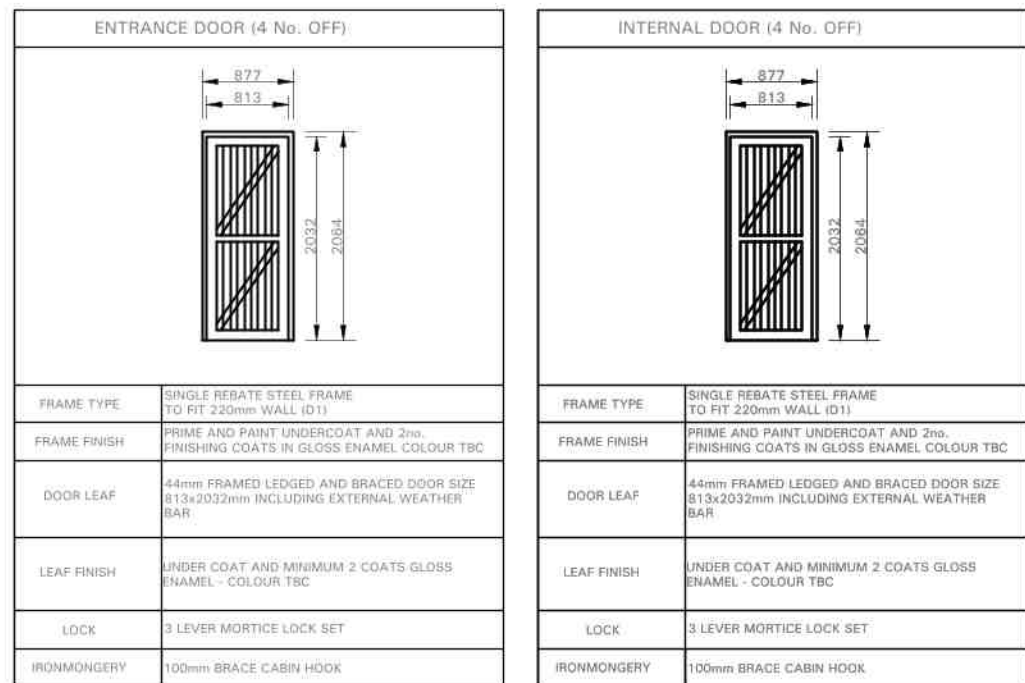
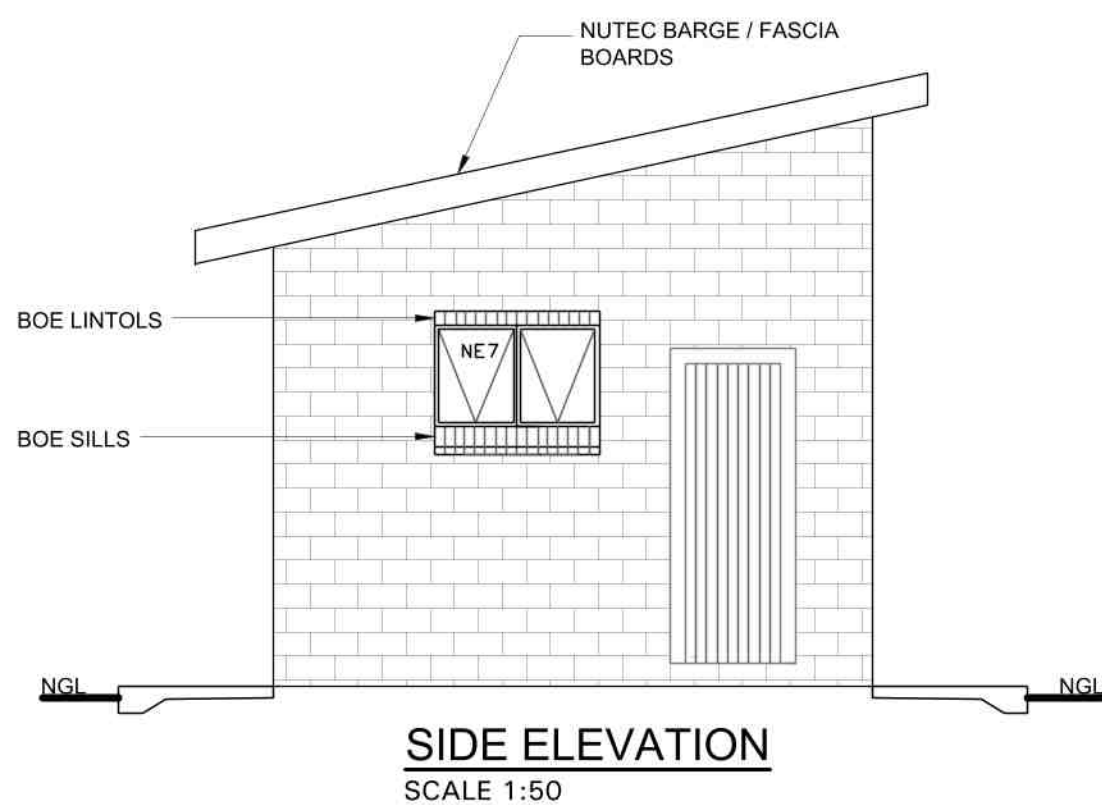
WINDOW SCHEDULE	
WINDOW NO.	NE1
CATALOGUE	NE1
FRAME	877 x 864mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS SPRAY GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	4

ENTRANCE DOOR (4 No. OFF)	
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 250mm WALL DTH
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2ND FINISHING COATS IN GLOSS ENAMEL COLOUR TBC
DOOR LEAF	40mm FRAMED LEDGED AND BRACED DOOR SIZE 813x2002mm INCLUDING EXTERNAL WEATHER BARS
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC
LOCK	3 LEVER MORTICE LOCK SET
WORMGEVRY	100mm BRACE CABIN HOOK

INTERNAL DOOR (4 No. OFF)	
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 250mm WALL DTH
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2ND FINISHING COATS IN GLOSS ENAMEL COLOUR TBC
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LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC
LOCK	3 LEVER MORTICE LOCK SET
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TENDER

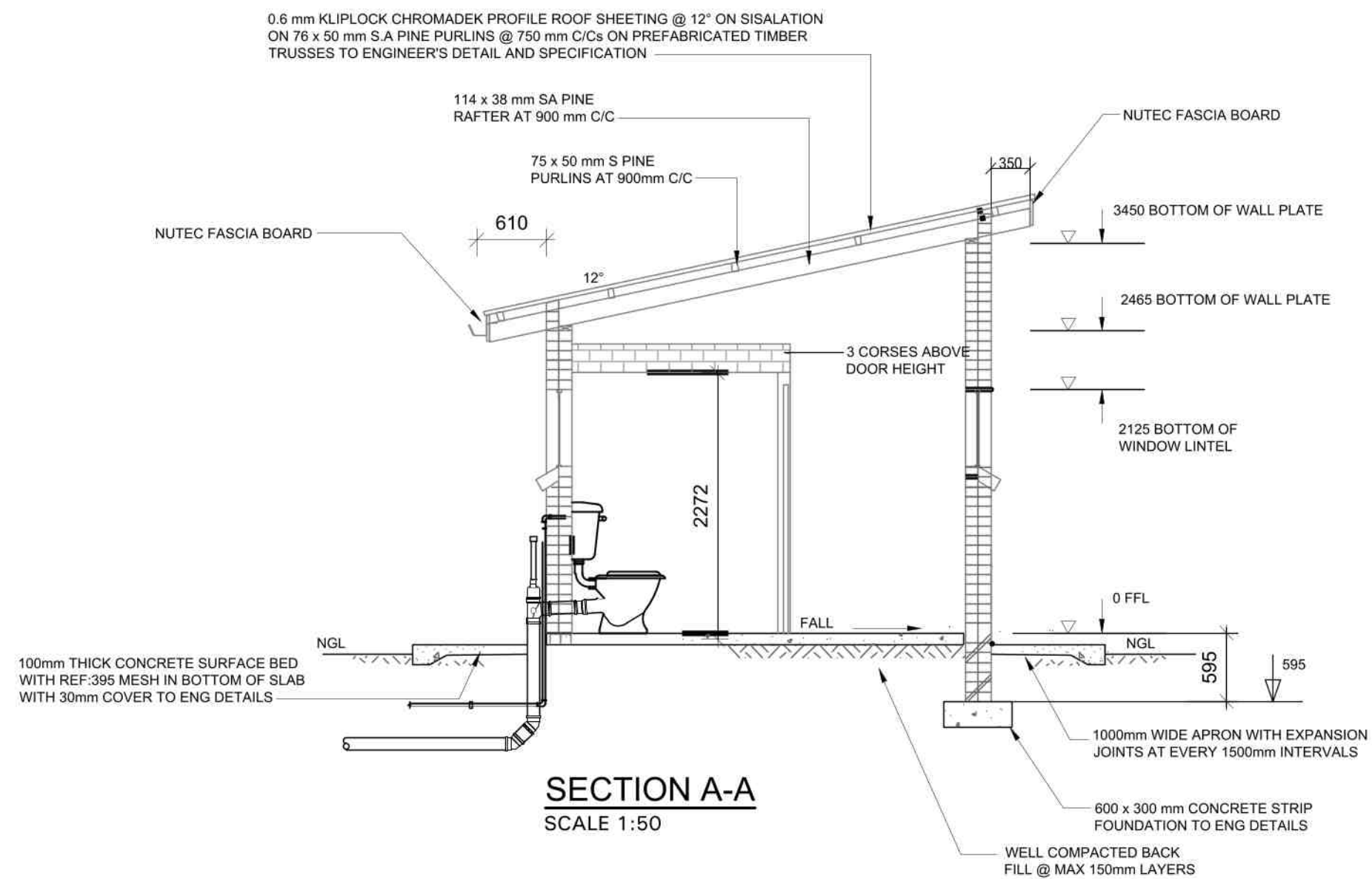
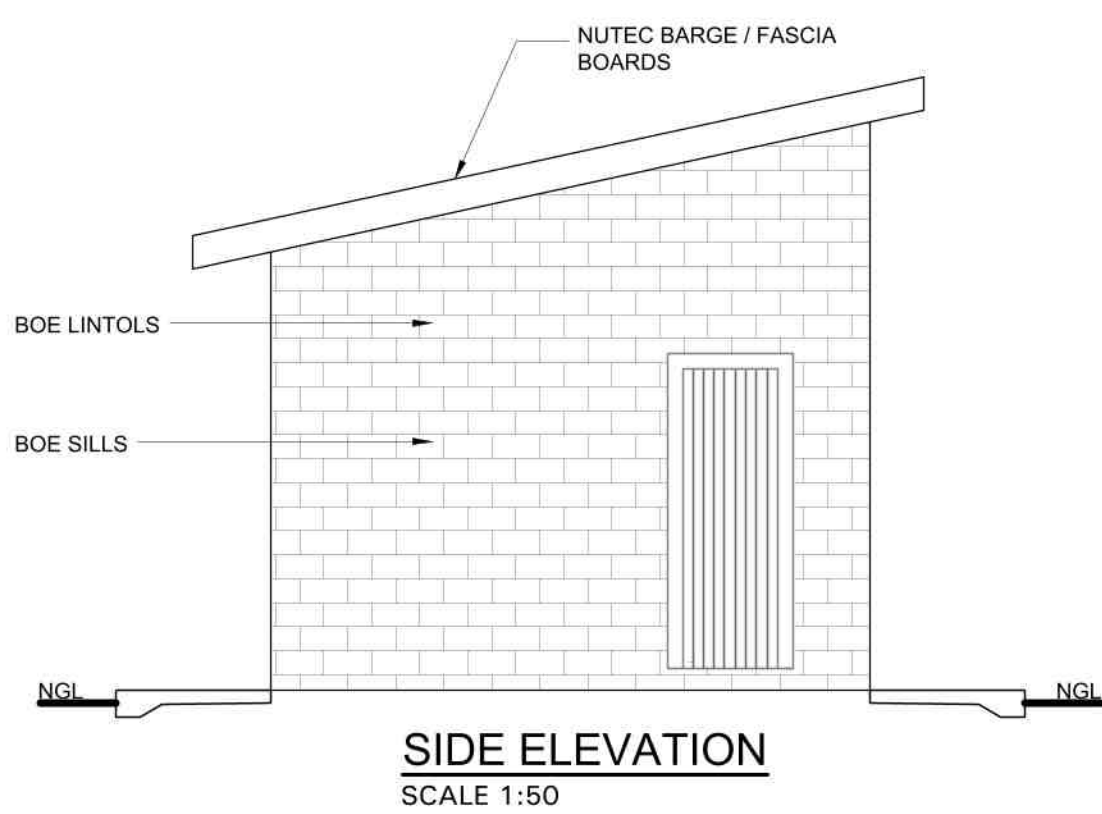
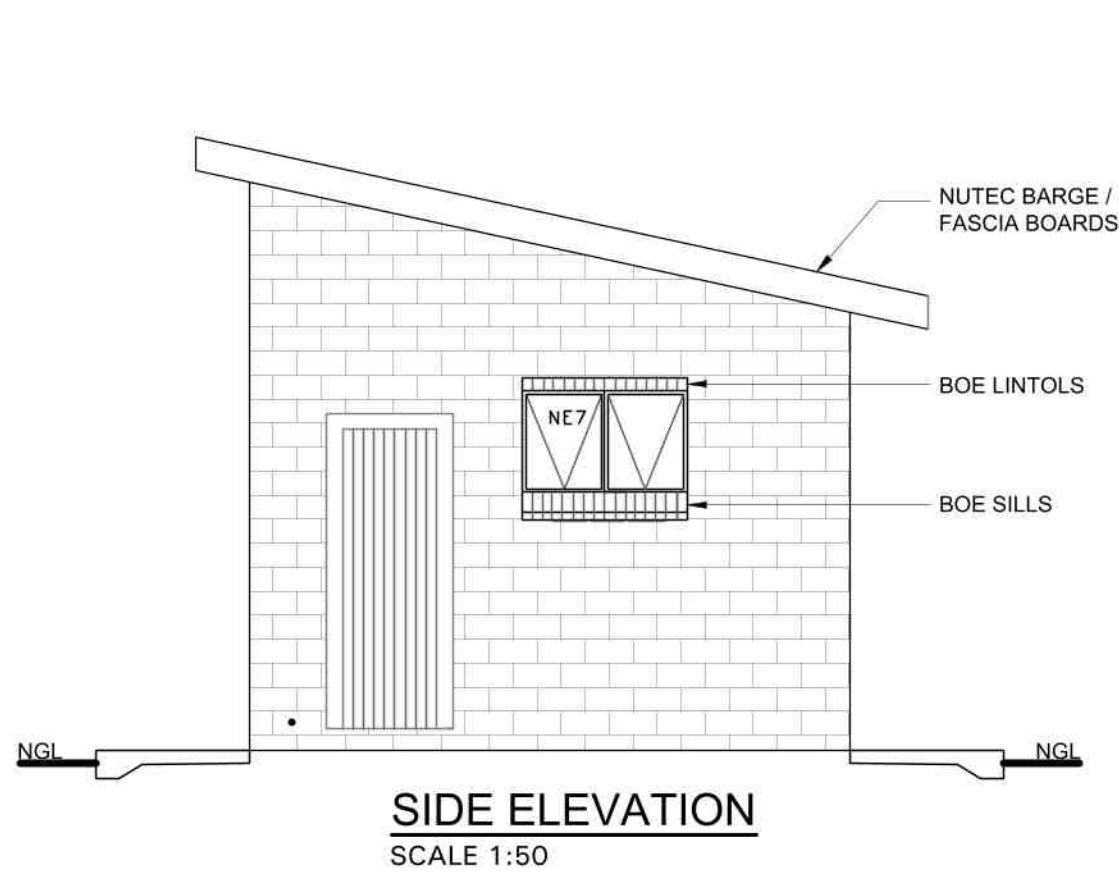
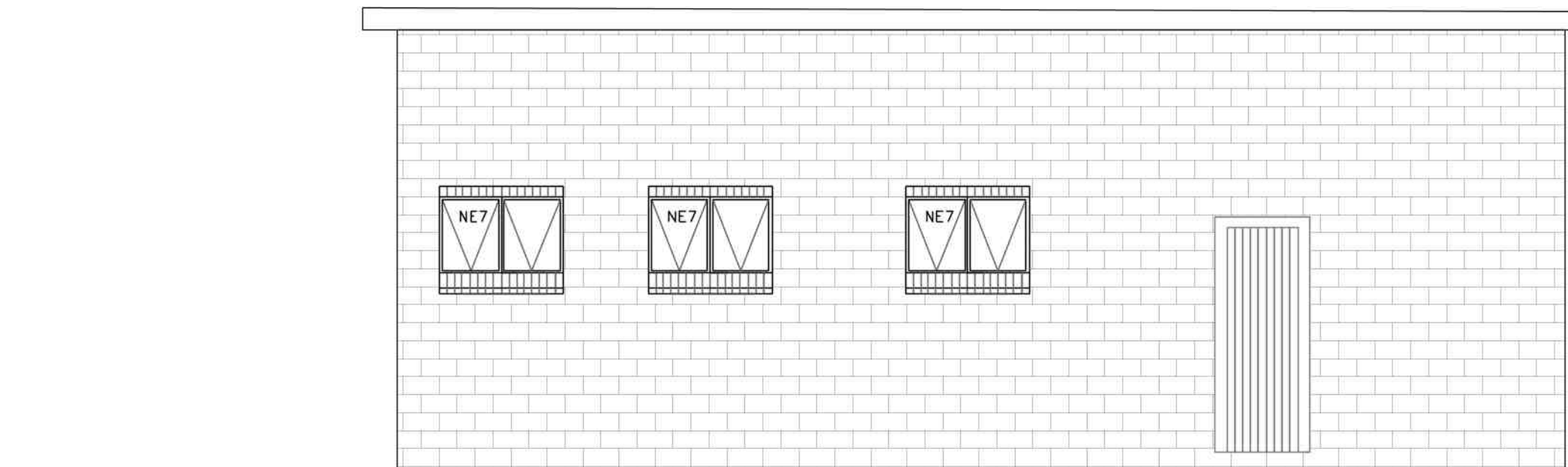
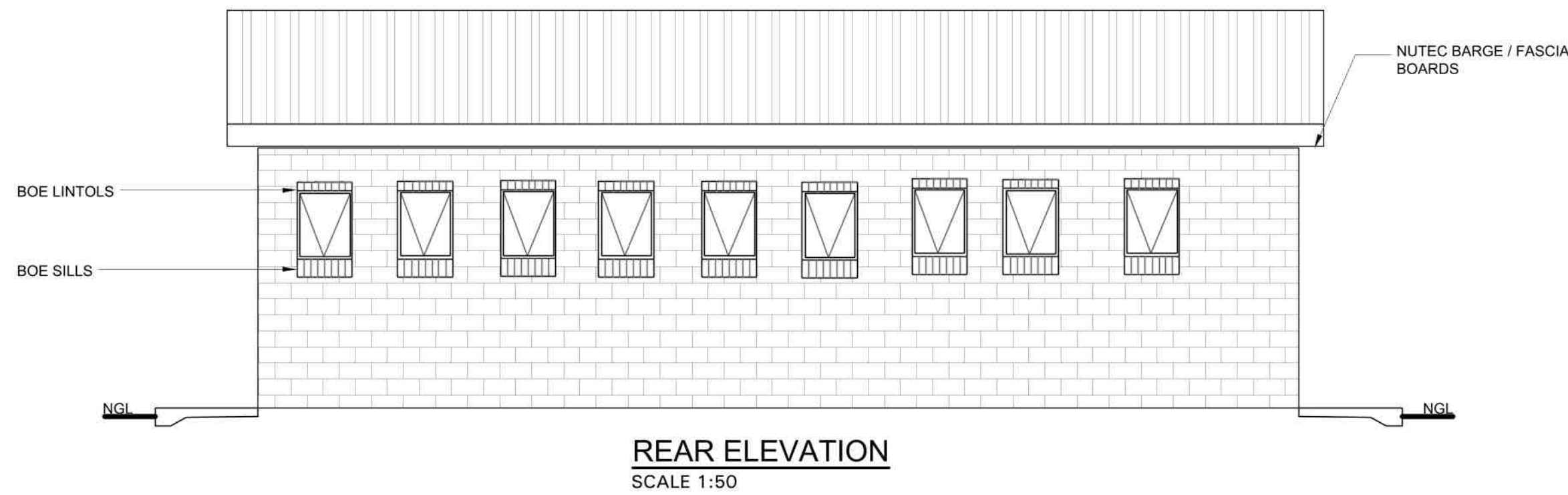
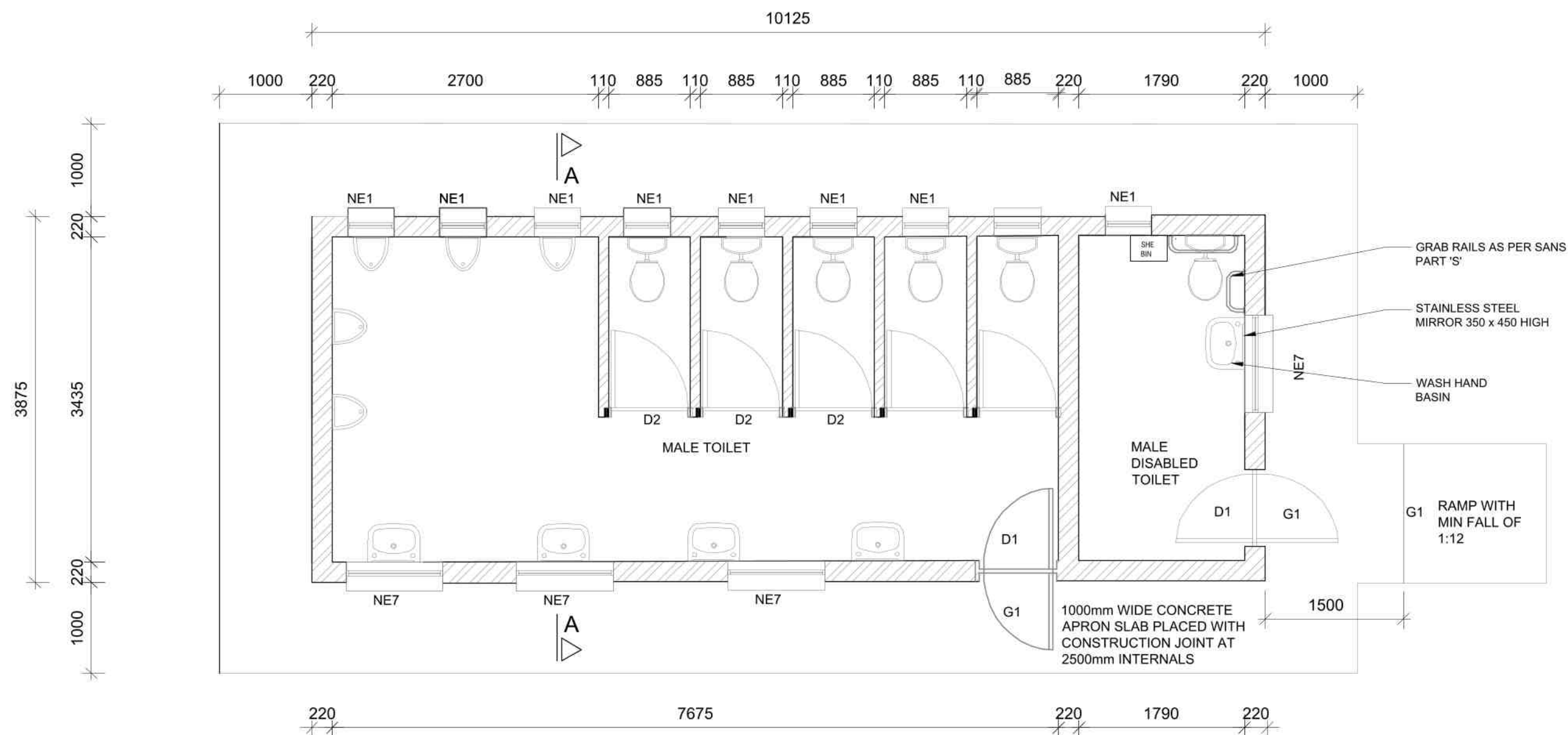












#### NOTES AND SPECIFICATIONS:

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##### COMPACTION OF SURFACES

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Trial Concrete Mixes: Proportions

Concrete Strength at 28 Days 25Mpa:

1 : 2 : 2 (mix proportion by volume)

1 bag cement : 0.08m3 Sand : 0.08m3 Stone (Volume/Bag)

385 kg cement : 820 kg sand : 860 kg stone (Mass/m3)

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##### ROOF SHEETING

1. 0.6mm kliplock chromadek roof sheeting

##### ROOF TIMBER / CEILING

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WINDOW SCHEDULE	
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FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS BROWN GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	3

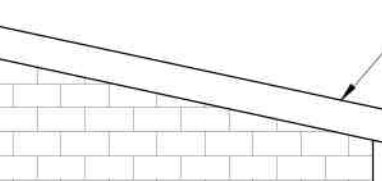
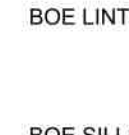
WINDOW SCHEDULE	
WINDOW NO.	N1
CATALOGUE	NE1
FRAME	877 x 864mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIME SURFACE WITH ZINC CHROMATE PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS BROWN GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	4

ENTRANCE DOOR (4 No. OFF)	
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 250mm WALL DTH
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2ND FINISHING COATS IN GLOSS ENAMEL COLOUR TBC
DOOR LEAF	44mm FRAMED LEDGED AND BRACED DOOR SIZE 877x2068mm INCLUDING EXTERNAL WEATHER BMT
LEAF FINISH	PRIMER COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC
LOCK	3 LEVER MORTICE LOCK SET
HOMOMONERY	100mm BRACE CABIN HOOK

INTERNAL DOOR (4 No. OFF)	
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 250mm WALL DTH
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2ND FINISHING COATS IN GLOSS ENAMEL COLOUR TBC
DOOR LEAF	44mm FRAMED LEDGED AND BRACED DOOR SIZE 877x2068mm INCLUDING EXTERNAL WEATHER BMT
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TENDER





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## METALWORK

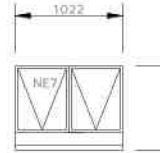
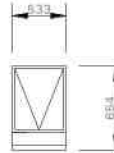
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## PLUMBING

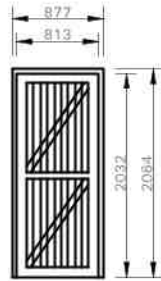
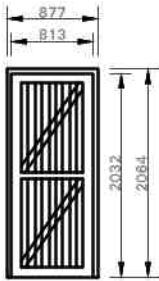
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- PAINTING**
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WINDOW SCHEDULE		WINDOW SCHEDULE	
			
WINDOW NO.	N2	WINDOW NO.	N1
CATALOGUE	NE7	CATALOGUE	NE1
FRAME	1022 x 618mm HIGH STANDARD STEEL WINDOW FRAME	FRAME	1022 x 618mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIMAID EFFECTS IN PRE-PRIME SURFACE WITH ONE COAT OF PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS OF BROWN GLOSS ENAMEL PAINT ON STEEL	FRAME FINISH	SPOT PRIMAID EFFECTS IN PRE-PRIME SURFACE WITH ONE COAT OF PRIMER & APPLY ONE UNIVERSAL UNDER COAT & TWO COATS OF BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.38mm OBTUSCURE SAFETY GLASS	GLAZING	6.38mm OBTUSCURE SAFETY GLASS
NO. REQUIRED	5	NO. REQUIRED	8

ENTRANCE DOOR (4 No. OFF)		INTERNAL DOOR (4 No. OFF)	
			
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 205mm WALL SET	FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 205mm WALL SET
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2no. FINISHING COATS IN GLOSS ENAMEL COLOUR TBC	FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2no. FINISHING COATS IN GLOSS ENAMEL COLOUR TBC
DOOR LEAF	44mm FRAMED LOGGIE AND BRACED DOOR SIZE 813x2052mm INCLUDING EXTERNAL WEATHER BAR	DOOR LEAF	44mm FRAMED LOGGIE AND BRACED DOOR SIZE 813x2052mm INCLUDING EXTERNAL WEATHER BAR
LEAF FINISH	INDENT COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC	LEAF FINISH	INDENT COAT AND MINIMUM 2 COATS GLOSS ENAMEL COLOUR TBC
LOCK	3 LEVER HORTICE LOCK SET	LOCK	3 LEVER HORTICE LOCK SET
WOMONINGING	100mm BRACE CHAIN HOOK	WOMONINGING	100mm BRACE CHAIN HOOK


TENDER

T	ISSUED FOR TENDER PURPOSES	MAY 2020	C.N
REV.	DESCRIPTION	DATE	APPR'D
DRG. No.	REFERENCE DRAWING		
Client:			
<div><div>LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA</div><hr/><div>DEPARTMENT OF EDUCATION</div> <div><div>THE MVULA TRUST 9A LANDROSS MARE STREET POLOKWANE 0699 TEL: 015 291 2465    FAX: 015 291 1270</div></div></div>			
Consultant:			
<div><div>SKY HIGH consulting engineers</div> SKY HIGH CONSULTING ENGINEERS C.C.</div> <div><div>Head Office Khurula Park No 14 Peace Street P. O. Box 2816 Tzaneen 0850;</div><div>Tel: +27 (0)15 307 6961 Fax: +27 (0)86 540 1430 Email: info@shconsulting.co.za</div></div>			
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Designed:	Drawn		
Checked:	Civil Engineer		
Structural Engineer	Mechanical Engineer		
Electrical Engineer	Co-ordination Engineer		
Approved :			
_____ Project manager		_____ Director	
Contract Number & Project Description : Contract Number: TMT-LPDE-2019/20-LPCL8-07 CONSTRUCTION OF WATER & SANITATION INFRASTRUCTURE AT NAMAKGALE PRIMARY SCHOOL IN LIMPOPO			
Drawing Description : NAMAKGALE PRIMARY SCHOOL PLAN			
Scale :		DATE SEP 2022	
Consultant Project Number : SHCE - 066 Drawing Number : TMT-MT-NPSP-001		A1	Revision : <div><div>T</div></div>







Contract Number and Project Description :	
Contract Number:Contract Number: TMT-LPDE-2019/20-LPCL8-07	
CONSTRUCTION OF	
WATER & SANITATION INFRASTRUCTURE AT	
NAMAAGALE PRIMARY SCHOOL IN LIMPOPO	
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NAMAAGALE PRIMARY SCHOOL PLAN	
Scale :	DATE SEP 2022
Contract Project Number : SHCE - 066	Revision : 
Drawing Number : TMT-MT-NPSP-007	
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