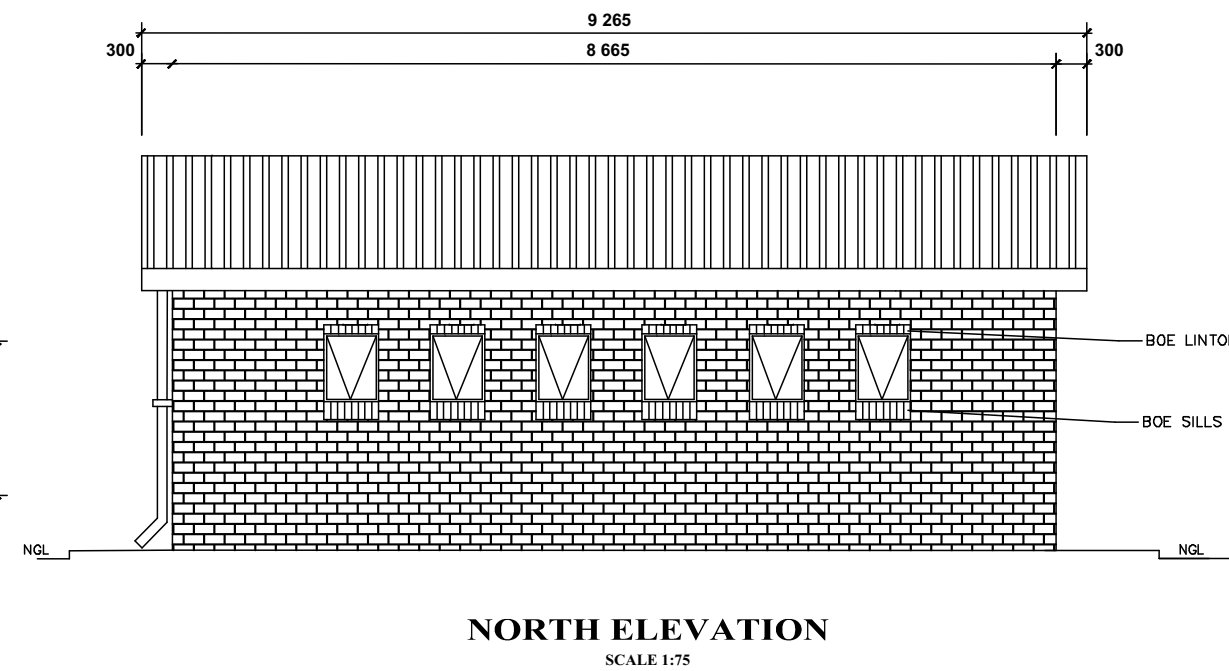
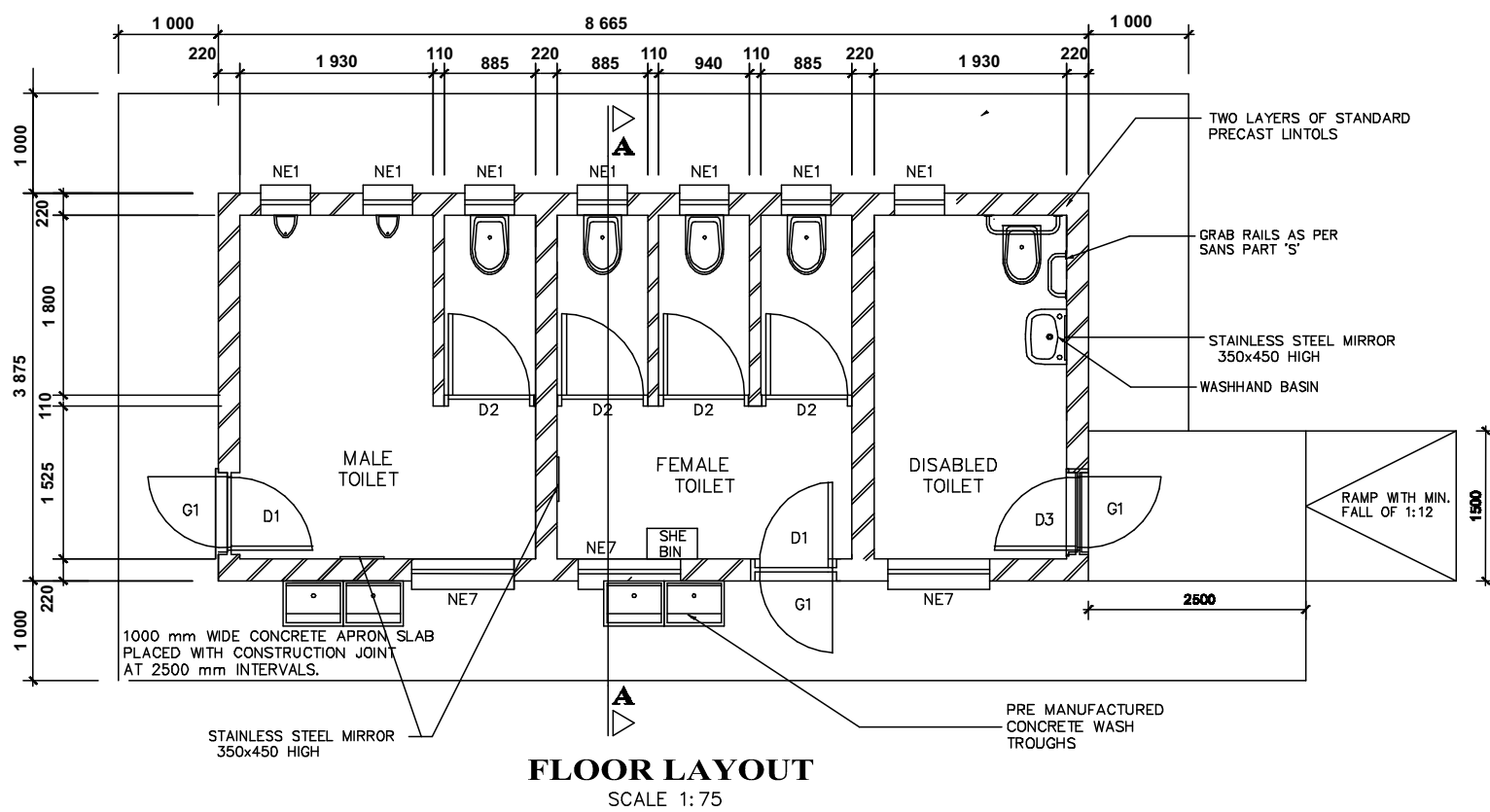
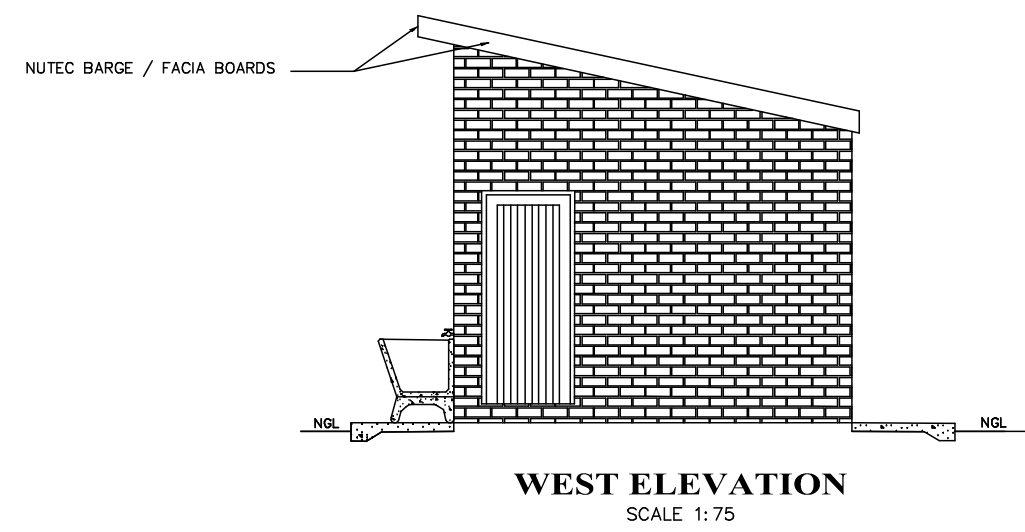
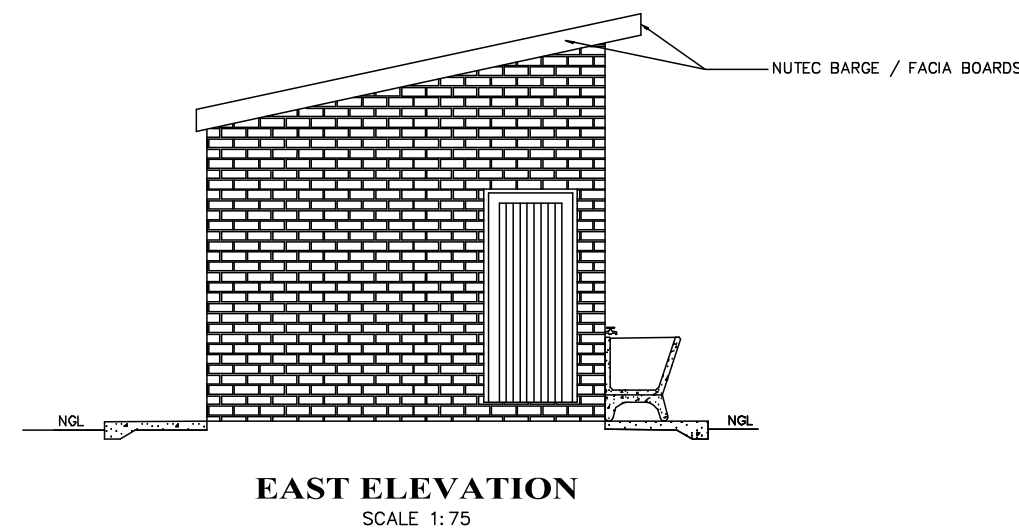
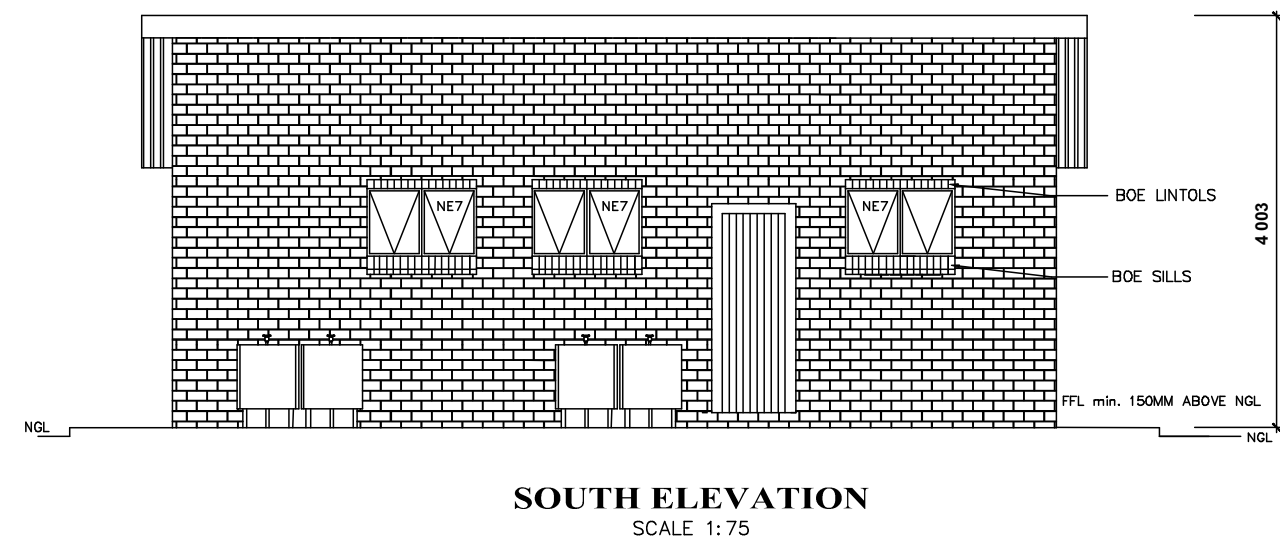
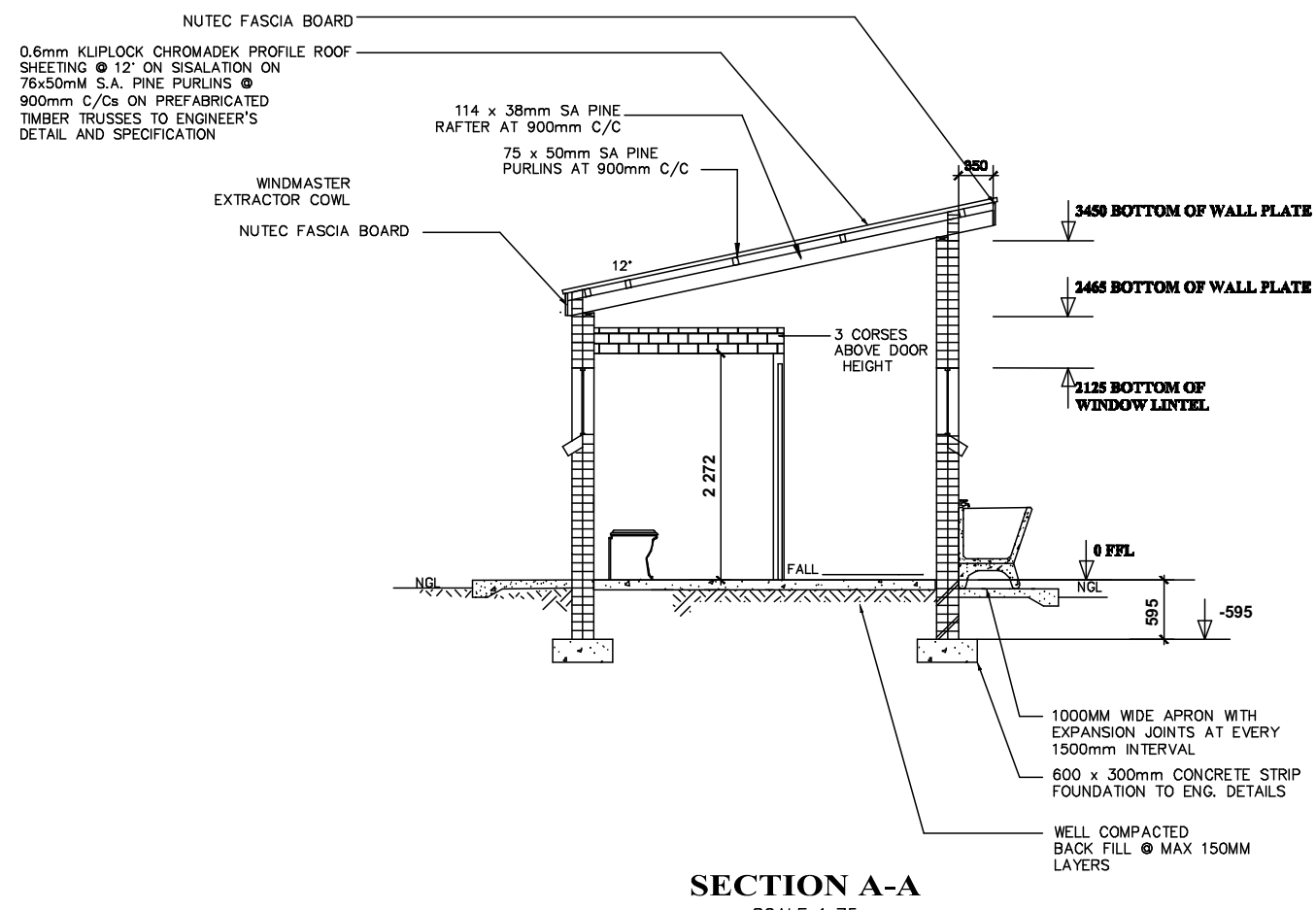


SD4



## GENERAL NOTES:

- ALL WORK TO BE CARVED 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.

## NOTES AND SPECIFICATIONS:

## GENERAL

- Use dimensions provided and do not scloae 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 stages 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 93% ModAASHTO 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  
Concrete Strenght 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>)
- Pre-cast concrete lintols 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 painted with two coats black epoxy paint 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 evry course at least 3 courses.
- Air bricks: Standard 230X152mm terra-calts vermin proofed louvered air grating to be used above all window openings.

## ROOF SHEETING

- 0.6mm kliplock 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 all intercessions between timber rafters and purlins.
- Isolation 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 20mm and galvanised pipework should be used as connection from wall to the discharge points.

## GLAZING

- 6.28mm obscure safety glass
- Stainless steel mirrors size 350x450mm high.

## 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.

WINDOW SCHEDULE	
WINDOW NO.	N2
CATALOGUE	NE7
FRAME	1022 x 854mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIE SURFACE WITH PRE-SPRINTABLE PRIMER & APPLY ONE COAT OF UNDER COAT & TWO COATS OF FIN COAT. BROWN GLOSS FINISH. PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	2

WINDOW SCHEDULE	
WINDOW NO.	N1
CATALOGUE	NE1
FRAME	1022 x 854mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIE SURFACE WITH PRE-SPRINTABLE PRIMER & APPLY ONE COAT OF UNDER COAT & TWO COATS OF FIN COAT. BROWN GLOSS FINISH. PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	4

DISABLED ENTRANCE DOOR	
DOOR NO.	D1
CATALOGUE	NE1
FRAME	1022 x 854mm HIGH STANDARD STEEL DOOR FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIE SURFACE WITH PRE-SPRINTABLE PRIMER & APPLY ONE COAT OF UNDER COAT & TWO COATS OF FIN COAT. BROWN GLOSS FINISH. PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	2

ENTRANCE DOOR	
DOOR NO.	D2
CATALOGUE	NE2
FRAME	1022 x 854mm HIGH STANDARD STEEL DOOR FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIE SURFACE WITH PRE-SPRINTABLE PRIMER & APPLY ONE COAT OF UNDER COAT & TWO COATS OF FIN COAT. BROWN GLOSS FINISH. PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	2

DOOR SCHEDULE	
DOOR NO.	D3
CATALOGUE	NE3
FRAME	1022 x 854mm HIGH STANDARD STEEL DOOR FRAME
FRAME FINISH	SPOT PRIME DEFECTS IN PRE-PRIE SURFACE WITH PRE-SPRINTABLE PRIMER & APPLY ONE COAT OF UNDER COAT & TWO COATS OF FIN COAT. BROWN GLOSS FINISH. PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	2

## NOTES:

## LEGEND:

DATE	NO.	REVISION / VARIATIONS	KUT
20.07.23	2	CHANGED TO WATERBORNE TOILETS	BS
27.06.2023	1	ISSUED FOR TENDER	BS

## CLIENT:



## IMPLEMENTING AGENT:



## PROJECT ENGINEERS:



## PROJECT:

LIMPOPO DEPARTMENT OF EDUCATION

WATER , SANITATION AND FENCING PROGRAMME

## TITLE:

BOSCHPLAATS PRIMARY SCHOOL  
SD4 (MALE & FEMALE TEACHERS - WATERBORNE  
1x SEAT, 2x URINALS, 0x DISABLED - MALE  
3x SEATS, 0x URINALS, 1x DISABLED - FEMALE

DRAWING No.: K1000-BP-004

SCALE:	1 : 75	DESIGNED:	BS
		DRAWN:	KN
DATE:	AUG 2023	APPROVED:	BS
REV. NO.	1 2		