



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.

NOTES AND SPECIFICATIONS:

GENERAL

- Use dimensions provided and do not sciae 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:

Trid 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)

- 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 lourved 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.
- Sisalation 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 pointwork 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	
WIDOW NO.	N2
CATALOGUE	NE7
FRAME	1252 x 614mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIMEING SURFACES IN PRE-PRIME SURFACES WITH ZINC CHROMATE PRIMER & 2 COATS OF UNDERSEAL UNDER COAT & 2 COATS OF PRIMER GOLDEN BROWN GLOSS FINISH. PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	2

ENTRANCE DOOR	
FRAME TYPE	SINGLE REBATE STEEL FRAME TO FIT 200mm WALL (20)
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2nd. PRIMEING COATS IN GLOSS ENAMEL COLOUR TBC
DOOR LEAF	44mm FRAMED LIGDED AND BRACED DOOR SIZE 813x2092mm INCLUDING EXTERNAL WEATHER BUSH
LEAF FINISH	PAINT COAT FOR MINIMUM 2 COATS GLOSS ENAMEL - COLOUR TBC
LOCK	3 LEVER MORTICE LOCK SET
ROMANERY	100mm BRACE CHAIN HOOK

WINDOW SCHEDULE	
WIDOW NO.	N1
CATALOGUE	NE1
FRAME	1252 x 614mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIMEING SURFACES IN PRE-PRIME SURFACES WITH ZINC CHROMATE PRIMER & 2 COATS OF UNDERSEAL UNDER COAT & 2 COATS OF PRIMER GOLDEN BROWN GLOSS FINISH. PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	4

DOOR SCHEDULE	
DOOR NO.	DOOR NO.1
CATALOGUE	DOOR NO.1
DOOR LEAF	813 x 1914 x 44mm SEMI SOLID DOOR
LEAF FINISH	2nd. PRIME GOLDEN BROWN PRIME GLOSS ENAMEL PAINT
LOCK	2 LEVER MORTICE LOCK STANDARD AS PER MANUFACTURER WITH BUSHES BOLT
NO. REQUIRED	2

NOTES:

LEGEND:

DATE	NO.	REVISION / VARIATIONS	KUT
08.11.22	1	ISSUED FOR TENDER	BS

CLIENT:



DEPARTMENT OF
EDUCATION
CNR 113 BILLARD & 24 EXCELSIOR STREET
POLOKWANE
0700

IMPLEMENTING AGENT:



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PROJECT ENGINEERS:



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PROJECT:

LIMPOPO DEPARTMENT OF EDUCATION

WATER , SANITATION AND FENCING
PROGRAMME

TITLE:

NTSHOENG PRIMARY SCHOOL

M3 (BOYS)

2x SEATS , 3x URINALS , 1x DISABLED

DRAWING No.:

K1000-NP-005

SCALE:

1 : 75

DESIGNED:

BS

DRAWN:

KN

DATE:

NOVEMBER 2022

APPROVED:

BS

REV. NO.

1