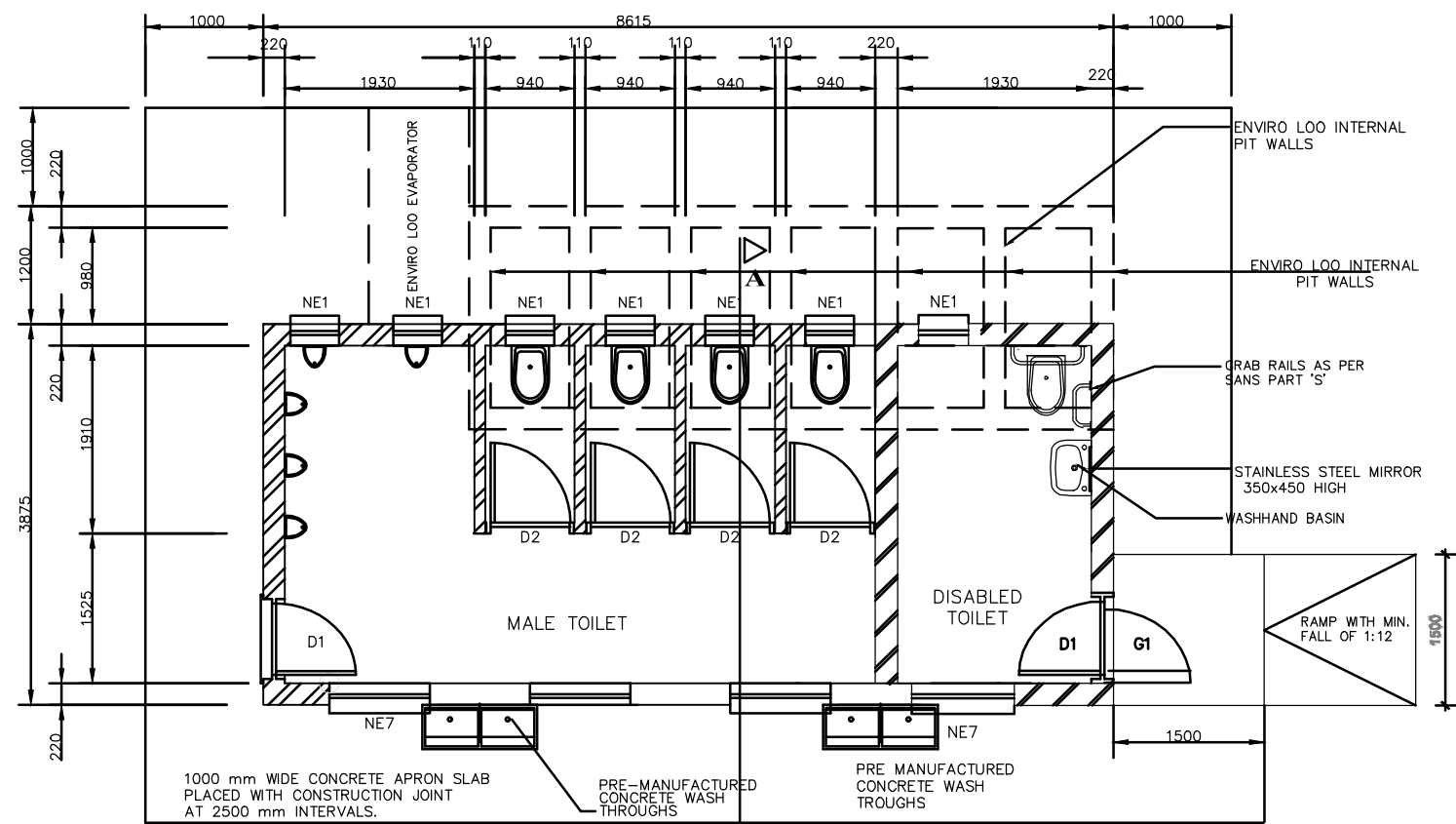
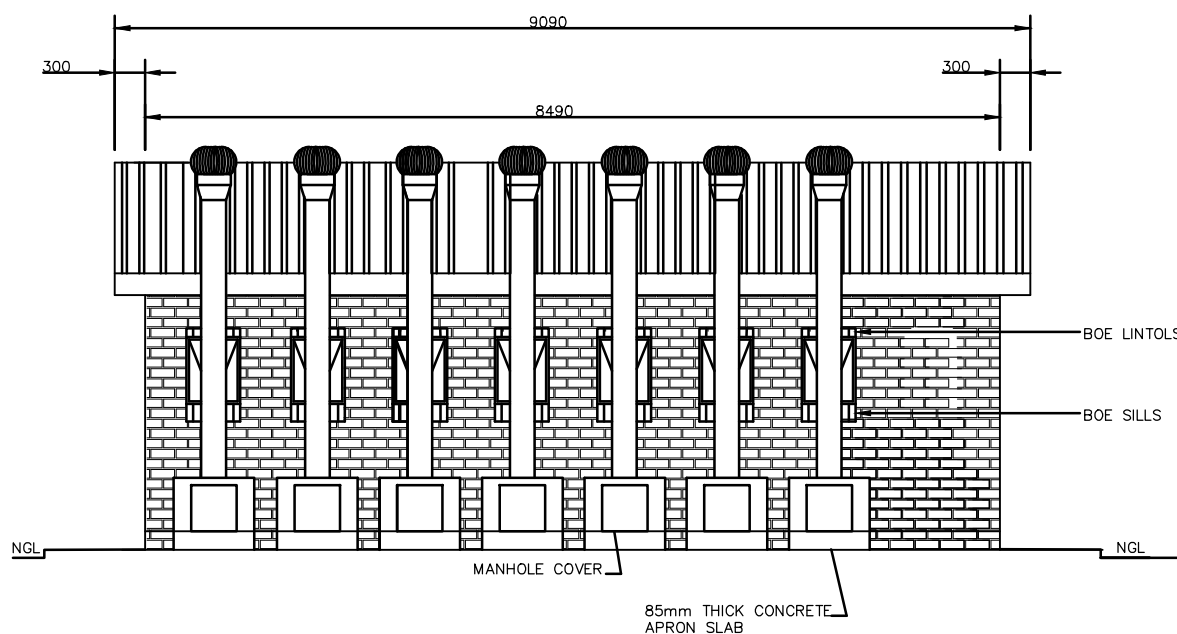


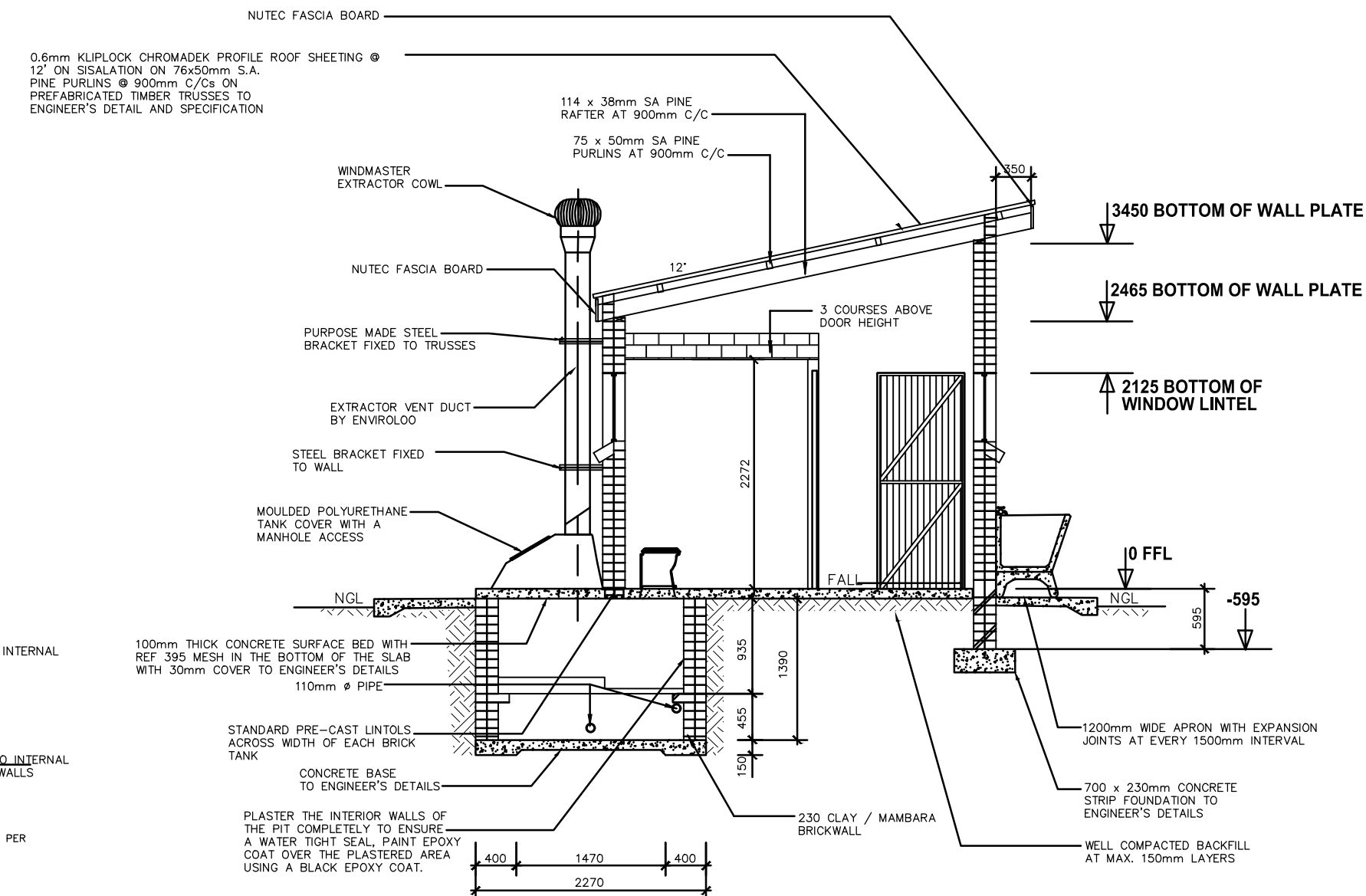
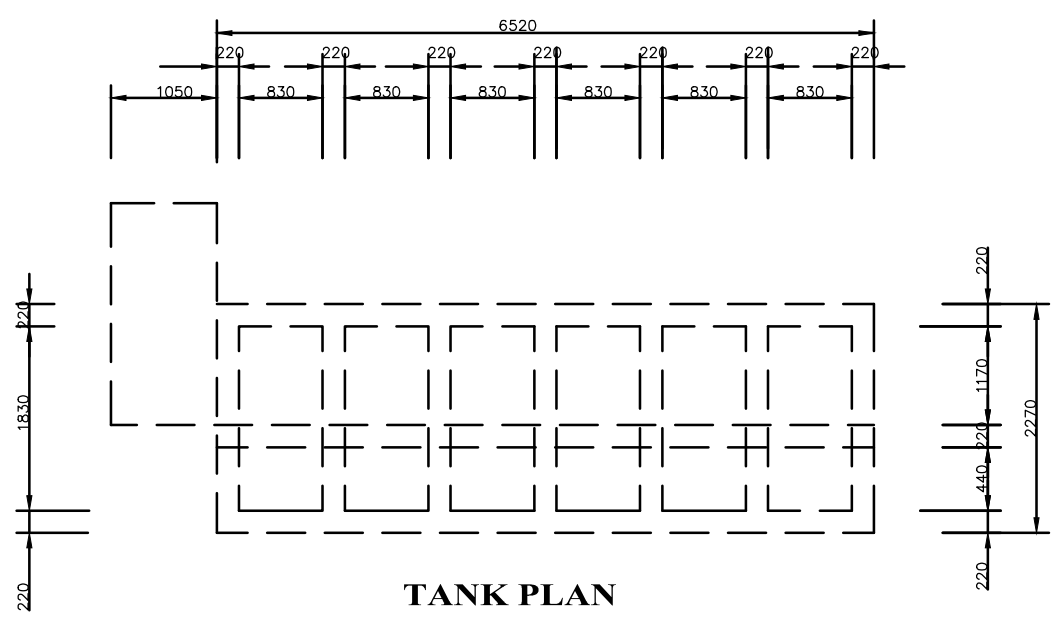
FRONT
SCALE 1:75



FLOOR LAYOUT
SCALE 1:75

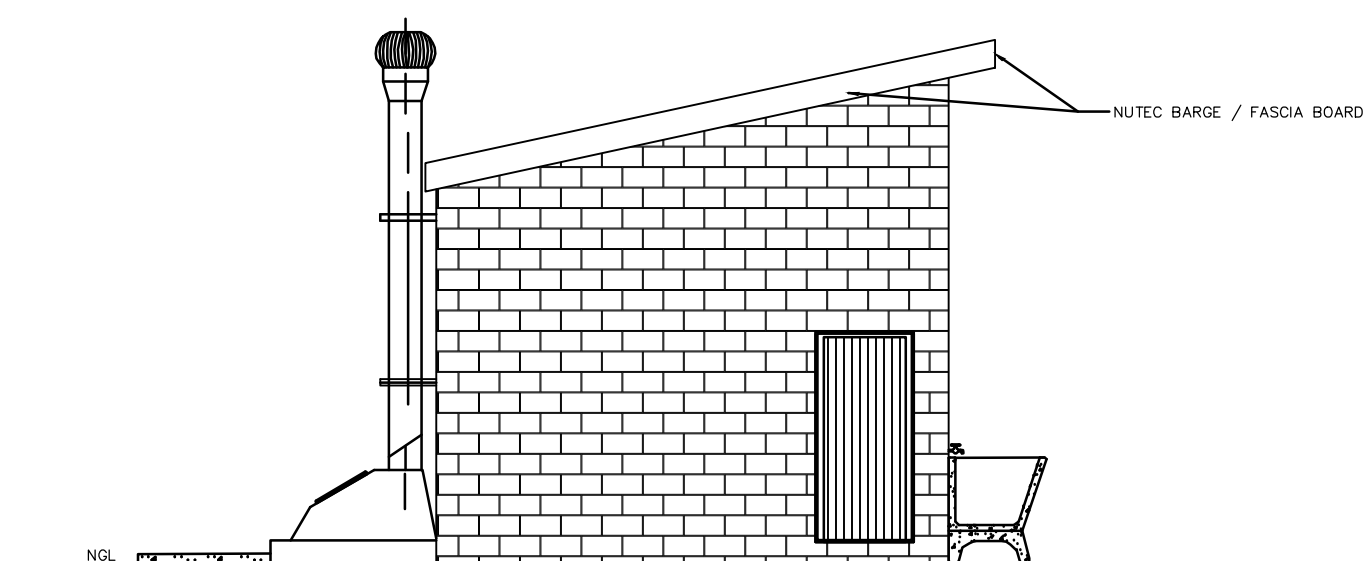


BACK
SCALE 1:75

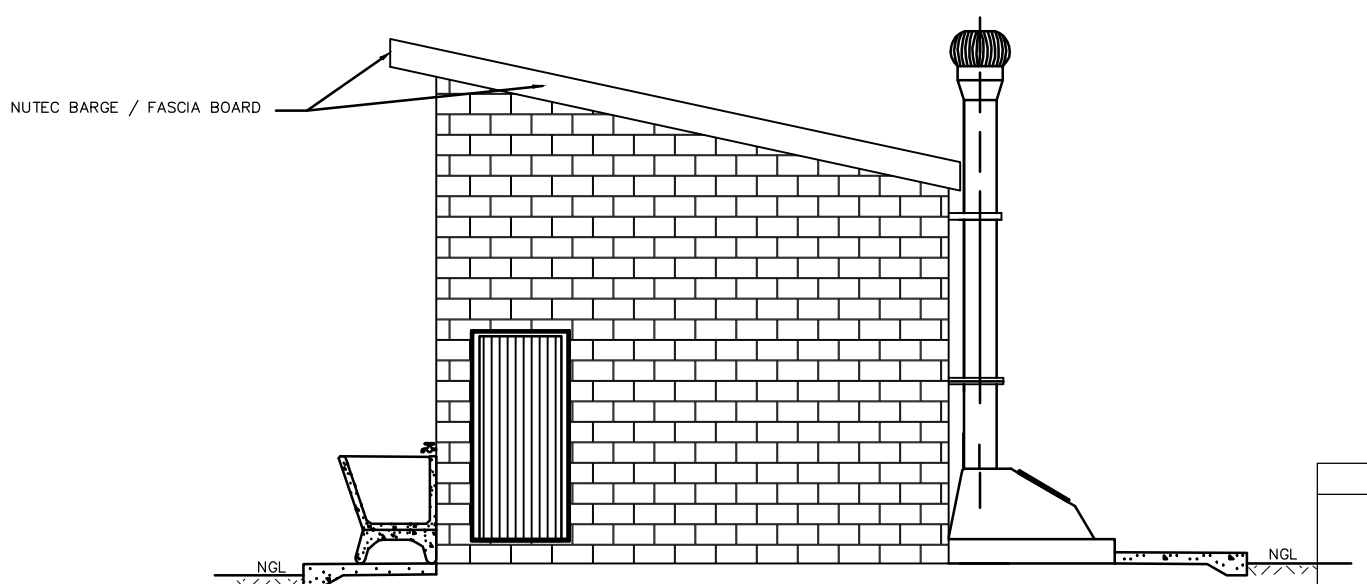


SECTION A-A
SCALE 1:75

NOTE: ENVIRO LOO INSTALLATION AS PER MANUFACTURER'S SPECIFICATION AND DETAILS



SIDE
SCALE 1:75



SIDE
SCALE 1:75

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 scale 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:

Triad Concrete Mixes: Proportions

Concrete Strength 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 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 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 at all interconnections between timber rafters and purlins.
- Sisalation is to be applied at 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	NET
FRAME	1522 x 614mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME: SURFACES TO BE PRIME: SURFACES WITH ENO CHROMATE PRIMER & APPLY ONE COAT UNDER COAT & TWO COATS OF PRIMER GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	2

ENTRANCE DOOR	
FRAME TYPE	SINGLE REINFORCED STEEL FRAME TO FIT 220mm WALL (21)
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2nd COAT PRIMER COATS IN GLOSS ENAMEL COLOUR TBC
DOOR LEAF	1400mm FRAMED LIGGED AND BRACED DOOR SET 1800x2100mm INCLUDING EXTERNAL WEATHER BARR
LEAF FINISH	UNCOAT COAT FOR MINIMUM 2 COATS GLOSS ENAMEL - COLOUR TBC
LOCK	3 LEVER MORTICE LOCK SET
IRONMONGERY	100mm BRACE CHAIN HOOK

WINDOW SCHEDULE	
WINDOW NO.	N1
CATALOGUE	NET
FRAME	1522 x 614mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SPOT PRIME: SURFACES TO BE PRIME: SURFACES WITH ENO CHROMATE PRIMER & APPLY ONE COAT UNDER COAT & TWO COATS OF PRIMER GOLDEN BROWN GLOSS ENAMEL PAINT ON STEEL
GLAZING	6.28mm OBSCURE SAFETY GLASS
NO. REQUIRED	4

DOOR SCHEDULE	
DOOR NO.	DOOR NO.
CATALOGUE	1522 x 614mm HIGH STANDARD STEEL DOOR FRAME TO FIT 220mm WALL (22)
DOOR LEAF	PRIME AND PAINT UNDERCOAT AND 2nd COAT PRIMER COATS IN BROWN VANISH GLOSS ENAMEL
LEAF FINISH	2nd COAT PRIMER GOLDEN BROWN GLOSS ENAMEL PAINT
LOCK	2 LEVER MORTICE LOCK SET AS PER MANUFACTURER WITH BRASS BOLT
NO. REQUIRED	2

NOTES:

LEGEND:

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

CLIENT:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

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

IMPLEMENTING AGENT:

THE MVULA TRUST
A leading developmental NGO

ROP 6 RHODES DRIFT OFFICE PARK
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BENDOR , POLOKWANE
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PROJECT:

LIMPOPO DEPARTMENT OF EDUCATION

WATER , SANITATION AND FENCING
PROGRAMME

TITLE:

LOBOLI SECONDARY SCHOOL
M5 (BOYS)
4 SEATS , 5x URINALS , 1x DISABLED

DRAWING No.:

K1000-LS-005

SCALE:	1 : 75	DESIGNED:	BS
		DRAWN:	KN
DATE:	NOVEMBER 2022	APPROVED:	BS
REV. NO.	1		