

GENERAL

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

All ground surfaces receiving concrete floors / slab should be compacted to 150mm layers 93% ModAASHTO 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
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)
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 every course at least 1 courses.
4. Air bricks: Standard 230X152mm terra-cotta vermin proofed louvered air grating to be used above all window openings.

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 interconnections 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

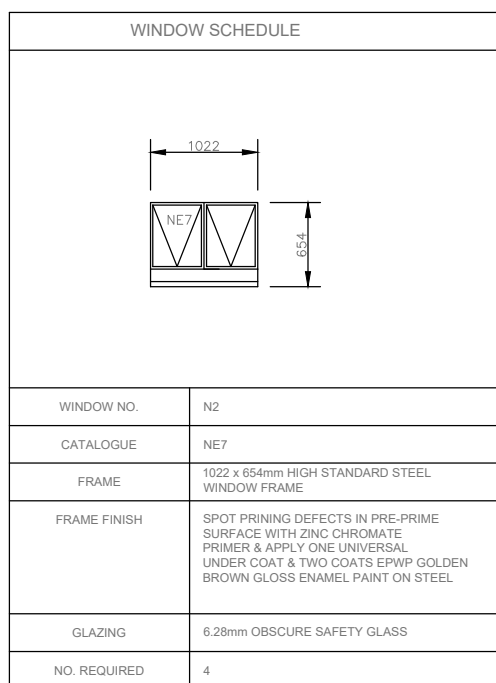
1. Double concrete wash trough to be used.
2. All wash troughs should be connected to the school's water supply system and the waste water should be piped to a soakaway.
3. The soakaway should be as per Engineer's detail and position to be determined on site.
4. Only 20mm and galvanised pipework should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

GLAZING

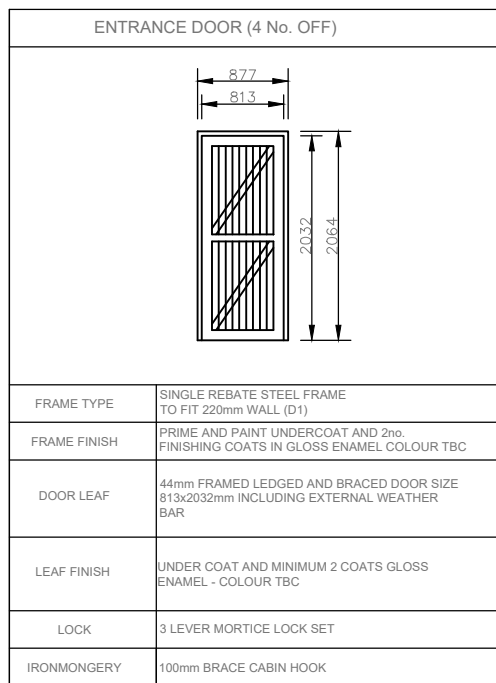
1. 6.28mm obscure safety glass

PAINTING

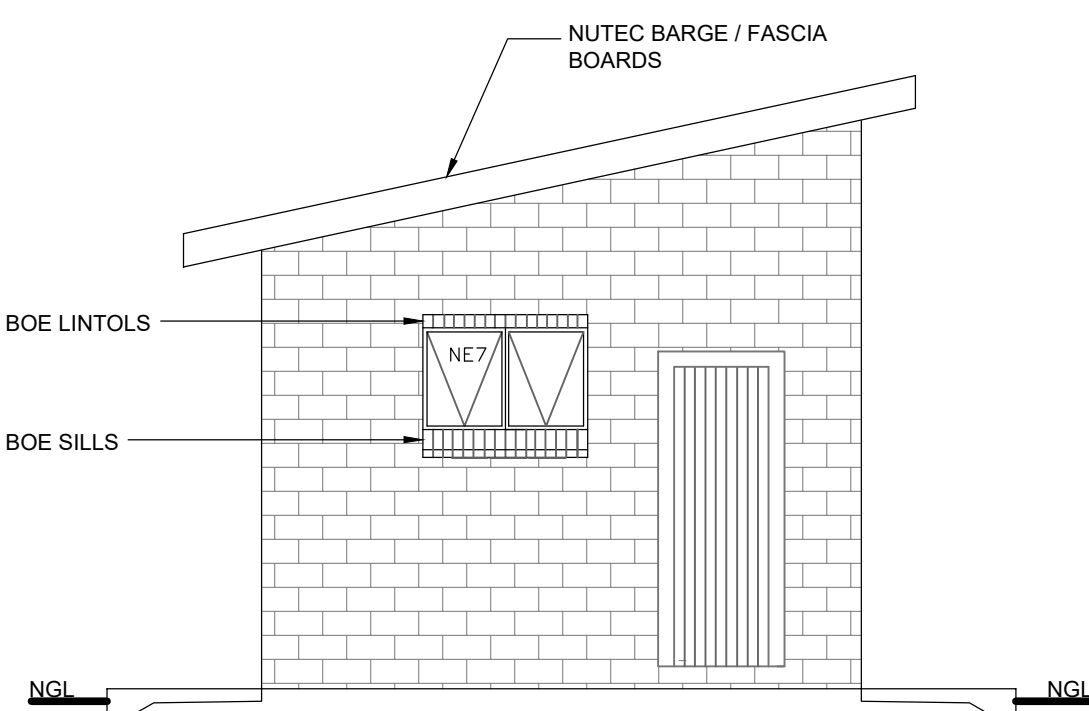
1. All paintwork to comply with SABS and PW371 specification.
2. All steel window and door frames including doors and fascia / barge boards to be discharged at discharge points.



WINDOW SCHEDULE	
WINDOW NO.	W1
CATALOGUE	W1
FRAME	525 x 65mm HIGH STANDARD STEEL WINDOW FRAME
FRAME FINISH	SHOT BLASTING DEFECTS IN PRE-PRIME SURFACE WITH TWO COATS OF PRIMER. UNDER COAT & TWO COATS OF EPDM GLOSS BROWN GLOSS ENAMEL PAINT ON STEEL.
GLAZING	6.38mm OBTURSE SAFETY GLASS
NO. REQUIRED	Ø




CUBICLE DOOR (5 No. OFF)	
FRAME TYPE	SINGLE REBATE STEEL DOOR FRAME - SEE CHAIRMAN (FRAME INCISED TO 100mm)
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2 COATS OF GLOSS BRUCE BRASS
DOOR LEAF	ALUMINUM FRAMED LOGGED EMBRACED SCISSOR TYPE R1312223mm (DOOR RASE BY 150mm TO TOP OF FRAME)
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS EMBRACE - COLOUR TONE
LOCK	TUOLEY INDICATOR LOCK
BRONCHING	MINIMUM CHROME PLATED "P" TYPE HANDLE 3 OF GLOSS BRUCE BRASS



SIDE ELEVATION
SCALE 1:50

Client:

 **LIMPOPO**
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

**DEPARTMENT OF
EDUCATION**

Consultant:



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consulting engineers

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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-LPCL8-03

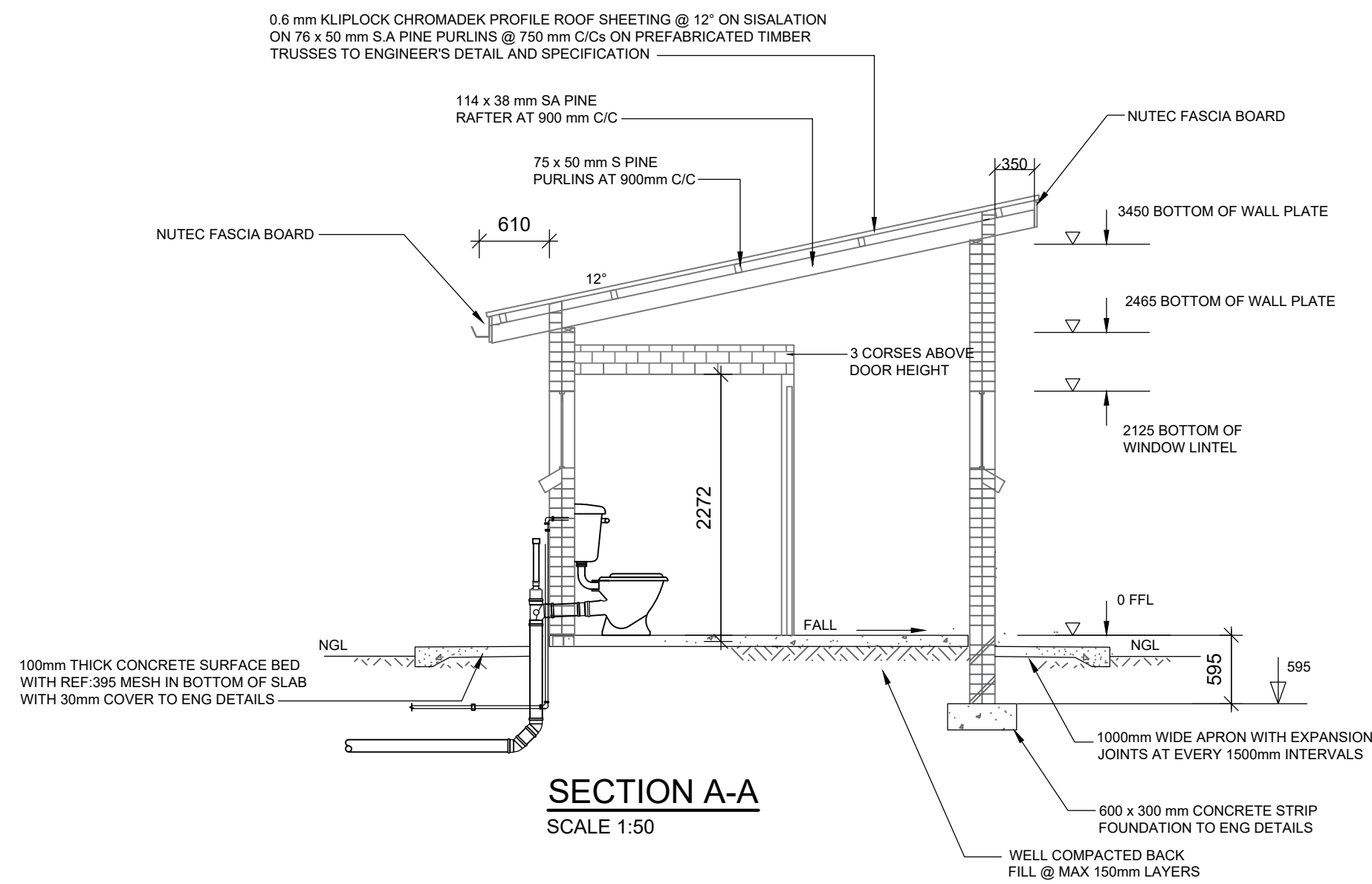
CONSTRUCTION OF WATER & SANITATION
INFRASTRUCTURE AT TSHIMEDZWA PRIMARY SCHOOL
AND RALSON TSHIANNE SECONDARY SCHOOL IN
LIMPOPO

Drawing Description :
RALSON TSHIANNE SECONDARY
SCHOOL:MALE AND FEMALE TOILETS:
STUFF PLAN, SECTION AND ELEVATIONS

Scale :	DATE SEP 2022
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Consultant Project Number : SHCE - 066 Drawing Number : TMT-MT-SD6	A1	Revision : 
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TENDER



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3. All concrete aprons to be 1000mm wide..

BRICKWORK
Super-structure

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2. All cubicle partition walls to be 3 courses above door height.
3. All brickwork above door openings should have brickforce on every course at least 3 courses.
4. Air bricks: Standard 230X152mm terra-cotta vermin proofed louvered air grating to be used above all window openings.

1. 0.6mm kliplock chromadek roof sheeting

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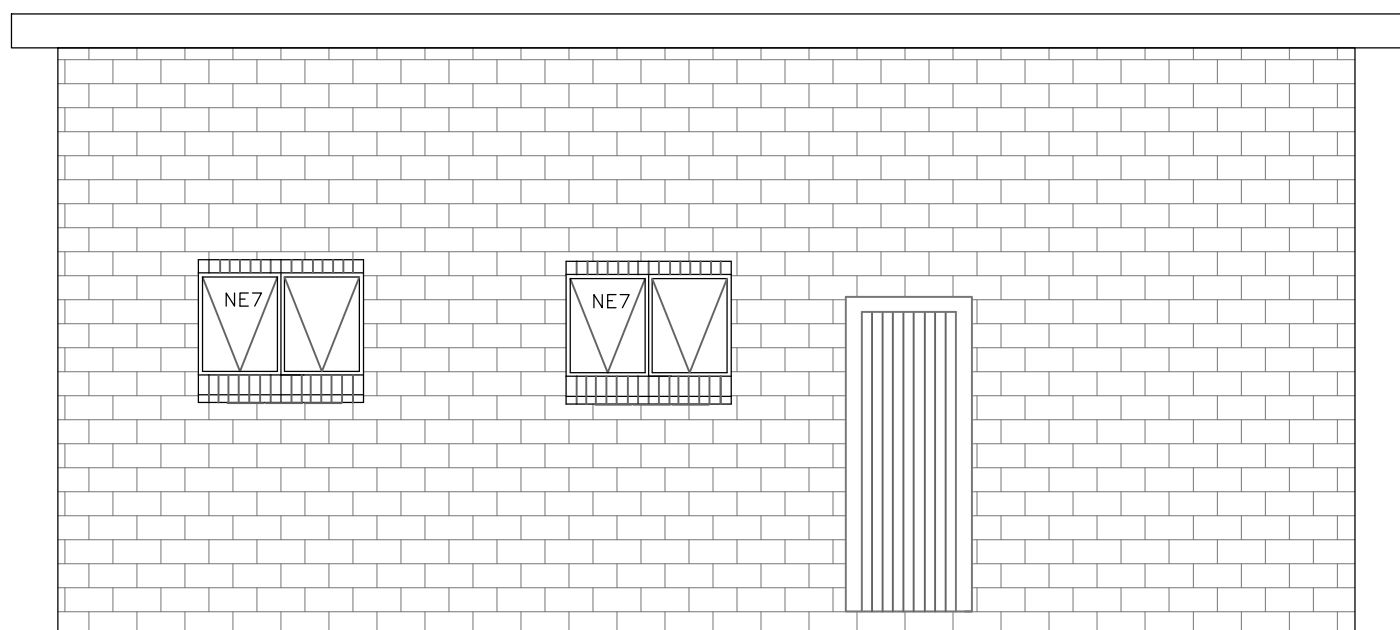
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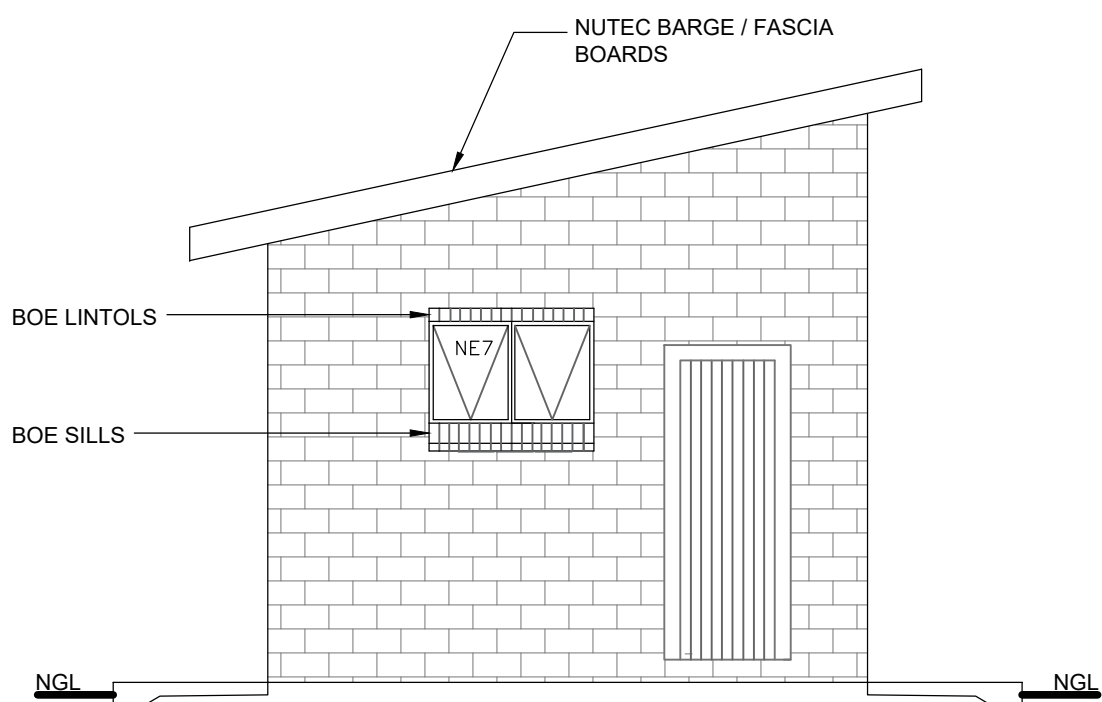
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PAINTING

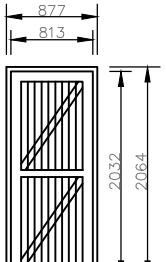
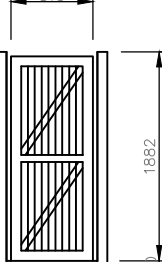
1. All paintwork to comply with SABS and PW371 specification.
2. All steel window and door frames including doors and fascia / barge boards to be discharge points.



FRONT ELEVATION
SCALE 1:50



SIDE ELEVATION
SCALE 1:50

ENTRANCE DOOR (2 No. OFF)		CUBICLE DOOR (6 No. OFF)	
			
FRAME TYPE	SINGLE REJATE STEEL FRAME 10mm FRAME WALL (OT)	FRAME TYPE	SINGLE REJATE STEEL DOOR FRAME 20mm SIDEWALL (FRAME UNDERCUT TO 10mm)
FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2nd PAINTS IN GLOSS FINISH, COLOUR TBC	FRAME FINISH	PRIME AND PAINT UNDERCOAT AND 2 COATS PAINTS IN GLOSS FINISH, COLOUR TBC
DOOR LEAF	10mm FRAMES, GLASS AND BRACED DOOR RISE 814x2050mm INCLUDING EXTERNAL WEATHER SEAL	DOOR LEAF	10mm FRAMES (BRACED) UNBRACED DOOR SIZE 613x2050mm (DOOR RISE BY 10mm TO TOP OF FRAME
LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL, COLOUR TBC	LEAF FINISH	UNDER COAT AND MINIMUM 2 COATS GLOSS ENAMEL, COLOUR TBC
LOCK	3 LEVER MORTICE LOCK SET	LOCK	TOILET INDICATOR LOCK
JOINING/SEAL	10mm BRACE CABBON GEL	JOINING/SEAL	10mm (SHORE) PLATED "T" TYPE HANDLE 3 BY 10mm BRACE

Client:

LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
EDUCATION

THE MVULA TRUST
A leading developmental NGO

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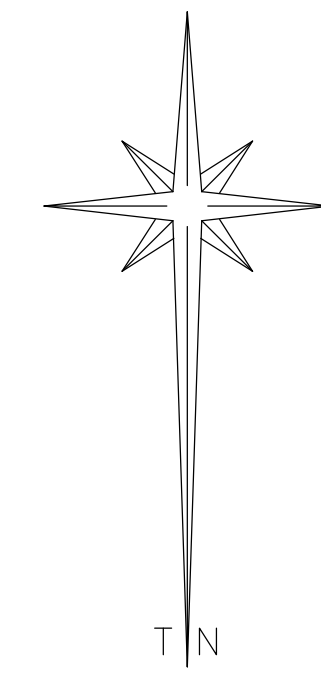
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INFRASTRUCTURE AT TSHIMEDZWA PRIMARY SCHOOL
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LIMPOPO

Drawing Description :
**RALSON TSHIANNE SECONDARY SCHOOL:
 FEMALE TOILETS: PLAN, SECTION AND
 ELEVATIONS**


Scale :	DATE SEP 2022
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Consultant Project Number : SHCE - 066 Drawing Number : TMT-MT-FD7	A1	Revision : 
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TENDER



Benchmarks' Coordinates and Levels			
	X	Y	Z
BM1	57728.177	2540091.633	793.189
BM2	57823.045	2540208.656	781.251
BM3	57744.471	2540177.576	783.013
BM4	57783.145	2540151.192	787.879
BM5	57837.227	2540145.797	789.133

Consultant Project Number : SHCE - 066		Revision : 
Drawing Number : TMT-MT-MPSP		

TENDER