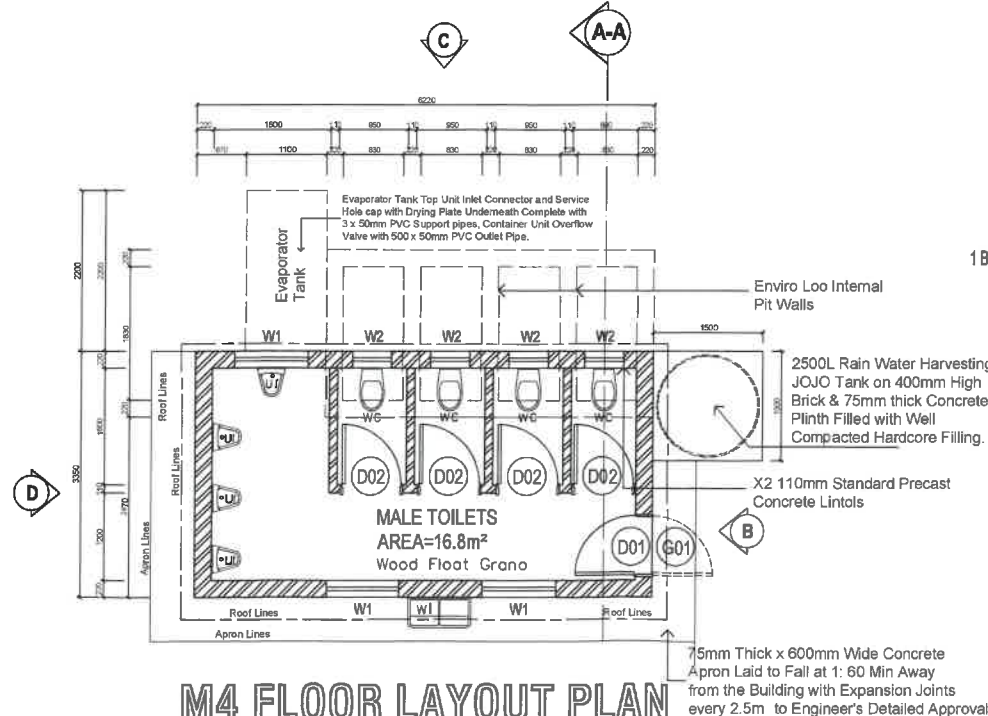
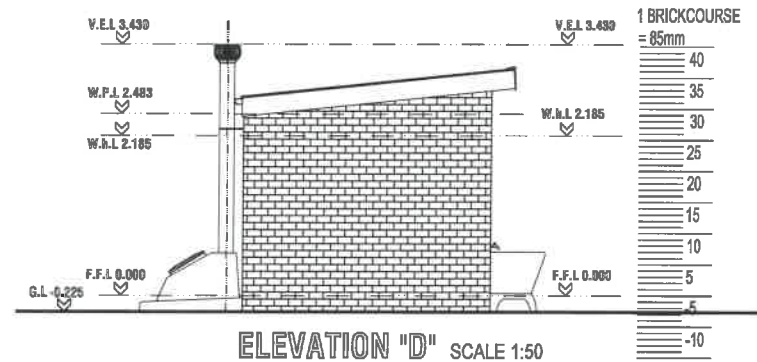
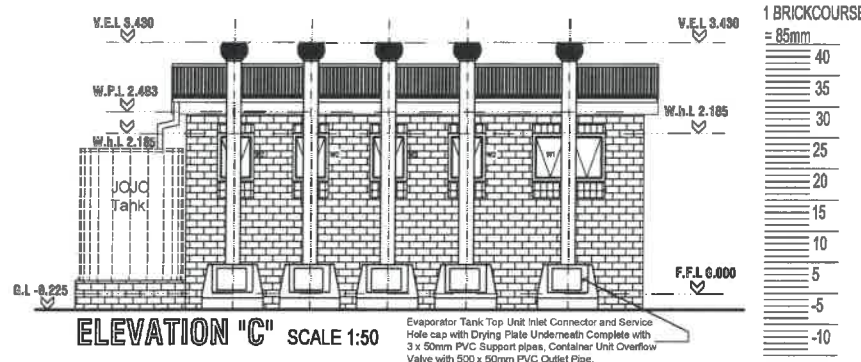
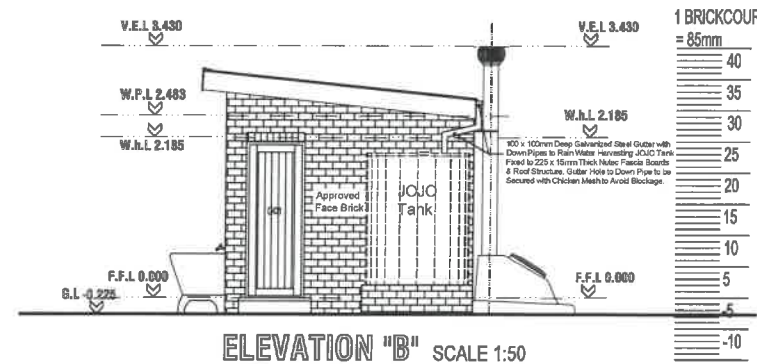
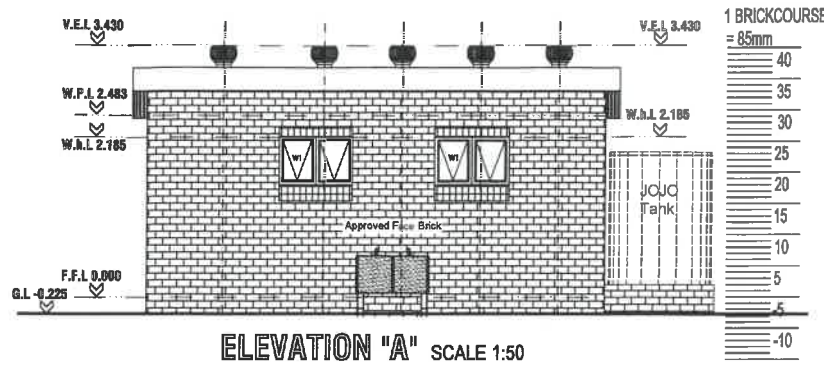


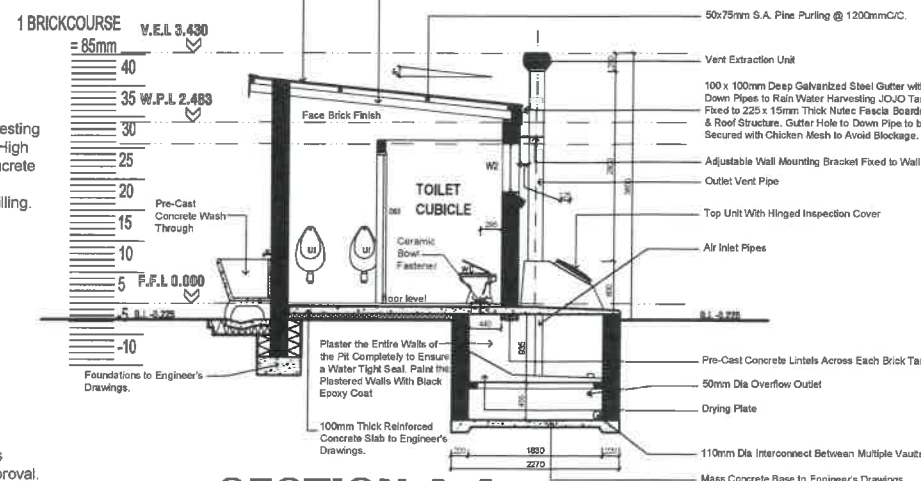
M4 TANK LAYOUT PLAN

SCALE 1:50 (TOTAL AREA=10.2m²)



M4 FLOOR LAYOUT PLAN

SCALE 1:50 (TOTAL AREA=21.0m²)



SECTION A-A

SCALE 1:50

1. GENERAL

- This Drawing is not to be scaled, use figured dimensions only. All dimensions and heights to be checked and verified before any work commences on site. Any discrepancies shall be reported to the Architect immediately. All Levels, Heights of Plinths, Depth of excavations and Number of Steps to be finally checked by Contractor on site.
- The site to be treated in accordance with S.A.B.S. Code of Practice no. 0124-1977 with 'Sheldrite' Termiteprufe Soil Poisoner.
- Top of foundations to be a minimum of 300mm below Natural Ground Level.
- Backfill to Foundations.
- Top of 85mm Concrete Surface Bed to be a minimum of 150mm above Finished Ground Level.
- 85mm Thick Concrete Surface Bed to be on 'Gunplas' USB Green Damp Proof Membrane on sand blinding on well compacted filling.
- 'Gundit' Brickwork S.A.B.S. Embossed D.P.C 375 min. Under all Walls, Window Sills and at changes in Floor Levels.
- Storm-water shall be removed from Dwelling, Yard and Site.
- All Building Work to be carried out in accordance with Local Authorities Building By-Laws and Regulations.

2. FOUNDATIONS (TO ENGINEER'S DRAWINGS)

- All Foundations, Foundation Walls, Structural Concrete Work and Sub Soil Storm water Drainage to Engineer's specifications.
- All Soil Compaction to Engineer's Drawings.

3. FLOORS

- 25mm Cement Screed to all Floors.
- Wood Floated Granolith Floor Finish on 25mm Thick Cement Screed.

4. WALLS

- 220mm Brick Walls with SABS Approved DPC.
- Brick Force every 6 courses and every course for 4 courses over Openings
- All Brickwork min. 14 mpa bedded in class 6 mortar
- Windows built in with SABS Approved DPC.
- 110mm Brick Walls with SABS Approved DPC.

5. ROOF

- Roof A: 0.6mm Thick Galvanized IFR on 50x75mm S.A. Pine Purling @ 1200mm C/C. ON 114x38mm S.A. Pine, Grade 8, Roof Raft @ 900 C/C on S.A. Pine 100x38mm Wall Plates. Trusses to be tied down with Hoop Irons threaded through four courses of Brickwork.

6. WINDOWS AND DOORS

- Windows: Windows to Window Schedule.
- Any Pane of glass which is to be installed without a support frame shall be in accordance with sabs 0137
- 4mm Obscure Glass in accordance with sabs 0137
- External Doors: Doors to Schedule.
- Internal Doors: Standard Pressed Metal Frames to Schedule

7. PIT PREPARATION:

- The bottom Slab to Engineer's Specifications with a Minimum Uniform Thickness of 75mm
- The Walls Lining the Pit and Partition Walls to be Solid for the First and Last 400mm from the Bottom and Honey Combed in the Middle to Allow for Liquids to Escape. The Engineer may give instruction for walls to be Solid all round should conditions on site be of such nature that no Solids/Liquids may escape.
- The Cover Concrete Slab and Reinforcement to Engineer's Specifications with a minimum Thickness of 75mm.
- Excavate the **Evaporator Tank** as follows: Length=2200mm, Width=1100mm and Depth=400mm. These are Guidelines, Excavate According to Engineer's Plans and Adjust Accordingly if a Concrete Slab is Being Cast at the Bottom of the Pit.

Remove Stones from the Bottom of the Pit that may Damage Base of the Tank. Use Roughly 50mm River Sand or Soft Soil to Level the Bottom of the Pit. If installing Tank on Clay or High Ground Water area Cast Concrete Slab at the Bottom of the Pit. Ensure that the Slab Meets the Required Engineering Specs for the Prevailing Geo-Technical Conditions.

8. STEPS AND RAMPS

- In situ-Concrete Steps unless otherwise: Treads 250mm Risers 200mm
- Ramps to be of a minimum Fall of 1: 12

9. WATERPROOFING

- All Parapets to be Waterproofed
- Concrete Slabs to be Waterproofed to Engineer's spec. by specialist.

10. FINISHES

- Wall: Face Brick Finish Inside & Outside.
- Floor Finishes: Wood Floated Granolith on 25mm Thick Cement Screed.

11. SANITARY FITTINGS

- Un-Locable Kimberly Clark SE2 or other Equally Approved Stainless Steel Toilet Roll Holders.
- Wall Mounted Stainless Steel Bucket (SHE Bin Satin Mini) Bidvest Steiner or other Equal Approved for Female Toilets.
- Enviro Toilet Bowl Complete with 1 Bag of Ceramic Bowl Fasteners Plus Toilet Seat & Lid.
- Enviro Urinal Bowl Complete with 2x Wall Hanger Brackets.
- WHB's, White Vitreous 560 x 405mm Semi-Rectangular WHB Fixed to Wall on Semi-Consolidated Cast Iron Brackets with CP Pillar Taps for Disabled Toilet
- Standard SABS Approved Pre-Cast Concrete Double Wash Trough (1080x650x850mm High) Complete with Concrete Support Legs Fitted with Standard 3/4 Brass Garden Tap.

12. EXTERNAL WORKS

- Paving to Engineer's Drawings (No Heavy Duty Paving)
- Provide 2500L Rain Water Harvesting JOJO Tank on a 400mm High Brick and 75mm Thick Concrete Slab Filled with Well Compacted Hardcore Filling.
- All Building Rubble to be removed from site timely and on completion

ALL DIMENSIONS ARE INDICATED IN MILLIMETRES AND MUST BE CONTROLLED ON SITE. THIS DRAWING MUST NOT BE SCALED. ONLY FIGURED DIMENSION MAY BE USED.

NOTES:

- ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE PRIOR TO COMMENCING. SETTING OUT, WORKSHOP DRAWINGS OR CONSTRUCTION.
- FIGURED DIMENSIONS ONLY TO BE USED.
- DISCREPANCIES, ERRORS AND OMISSIONS ARE TO BE REPORTED TO THE MVULA TRUST IMMEDIATELY THEY BECOME EVIDENT.
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REFERENCE DRAWINGS

DRAWING NAME / TEKENING NAAM	No./Nr.

REVISIONS / WYSIGINGS

Revision	Description / Beskrywing	Date

Implementing Agent:



Limpopo Regional Office
25 Rhodesdill Office Park
Bendo Park Ext 30 | 0959

Client:



Project Name:

DBE SAFE PROGRAMME FOR LIMPOPO PROVINCE

Drawing Name:

TYPE M4
(4 SEATS AND 4 URINALS BLOCK)

Drawing No:

TMT-DBE-19/20-SAFE-LPM4

SCALE:

Designed	Drawn	Checked	Date
1: 100/50	M. MAKHOMU	M. SWADA	09/2019
		M. PHIRI	09/2019

SACAP NO. PR. 487
SACAP NO. CA120392

APPROVED: [Signature]

DATE / DATUM
04/11/19