SOIL PERMEABILITY MUST BE CONDUCTED AT SITE.

1. Material Specification
   A. Grade of Structural Concrete
      - C-25 (Cube characteristics strength of 25 MPa) for columns and beams;
      - C-20 (Cube characteristics strength of 20 MPa) for floor slab
   B. Concrete reinforcement bar
      - Grade 460 (Characteristics yield strength of fyk = 460 MPa)

2. Durability Requirements
   A. Concrete Cover to Reinforcement
      - Floor slabs: 25mm;
      - Beams: 38mm
      - Columns: 38mm
      - All substructure (below ground level): 50mm

THE TANK SHALL BE OF WATER TIGHT CONSTRUCTION RENDERED WITH WATER PROOFED POWDER OR OTHER APPROVED MATERIALS.

WALLS SHOULD BE IN CLAY BRICKS.

MASS OR REINFORCED CONCRETE WALL CAN BE USED INSTEAD OF BLOCKS.

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS INDICATED.

DOOR AND VENTILATION SCHEDULE

DOOR

VENTILATION OPENING

LINKS & MAIN BAR

MID AND LINTEL BEAMS

GROUND BEAM

FLOOR PLAN

GROUND AND MID BEAMS PLAN LAYOUT

FOUNDATION FOOTING PLAN LAYOUT

DOOR AND VENTILATION SCHEDULE

DOOR

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GROUND AND MID BEAMS PLAN LAYOUT

FOUNDATION FOOTING PLAN LAYOUT
S1.02

NOTES:

1. **ALL DIMENSIONS ARE IN MILLIMETERS UNLESS INDICATED.**

2. **SOIL PERMEABILITY MUST BE CONDUCTED AT SITE.**

3. **THE TANK SHALL BE OF WATER TIGHT CONSTRUCTION RENDERED WITH WATER PROOFED POWDER OR OTHER APPROVED MATERIALS.**

4. **MASS OR REINFORCED CONCRETE WALL CAN BE USED INSTEAD OF BLOCKS.**

5. **WALLS SHOULD BE IN CLAY BRICKS.**

**REVISION:**

- PLAN, FDN. LAYOUT, SLAB
  - SCALE: 1:100
  - DATE: A3.02

**PROJECT:**

- **REHABILITATION OF SANITARY FACILITY (LATRINE)**
  - AT POC MALAKAL

**IMPLEMENTED BY:**

- **UNDP - SOUTH SUDAN**

**DESIGNED BY:**

- **POMPEY**

**VENTILATION**

- **REAR ELEVATION**

- **LEFT ELEVATION**

- **SECTION X-X**

- **FRONT ELEVATION**

- **RIGHT ELEVATION**

- **D2**

- **D1**