1. Material Specification
   A. Grade of Structural Concrete
      - C-25 (Cube characteristic strength of 25 MPa) for columns and beams;
      - C-20 (Cube characteristic strength of 20 MPa) for floor slab.

2. Concrete reinforcement bar
   - Grade 460 (Characteristics yield strength of fyk = 460 MPa).

3. Durability Requirements
   A. Concrete Cover to Reinforcement
      - Floor slabs: 25mm
      - Beams: 35mm
      - 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.

Mass or reinforced concrete wall can be used instead of blocks.
SOIL PERMEABILITY MUST BE CONDUCTED AT SITE.

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS INDICATED.
2. WALLS SHOULD BE IN CLAY BRICKS.
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.

PROJECT: REHABILITATION OF SANITARY FACILITY (LATRINE) AT PARIANG HOSPITAL

IMPLEMENTED BY: UNDP - SOUTH SUDAN
DESIGNED BY: UNDP

DRAWING TITLE: PLAN, FDN. LAYOUT, SLAB, DOOR SCHEDULES
DRAWING SCALE: 1:100
DRAWING NO.: A3.02

NOTES:

- Sections X-X
- Right Elevation
- Left Elevation
- Rear Elevation
- Front Elevation
- Right Elevation
- Left Elevation
- Rear Elevation
- Front Elevation

- Ventilation
- Pompey
- 200 mm brick wall
- 150 mm thick concrete oversite slab
- Main rebar 3-T12
- Distribution rebar T12 - 200 c/c
- 450 mm thick hardcore
- 25 mm thick damp proof
- 150 mm brick wall
- 150 x 200 mm ring beam
- 100 x 75 mm thick well seasoned hardwood wall plate
- 100 x 50 mm thick well seasoned hardwood rafter
- 75 x 50 mm thick well seasoned PVC fascia board
- 28 gauge iron sheets
1. Soil permeability must be conducted at site.

2. The tank shall be of water tight construction rendered with water proofed powder or other approved materials.

3. Mass or reinforced concrete wall can be used instead of blocks.

4. All dimensions are in millimeters unless indicated.

5. Walls should be in clay bricks.

UNDP - SOUTH SUDAN

UNDP

REHABILITATION OF SANITARY FACILITY (LATRINE)

AT PARIANG HOSPITAL

DESIGNED BY:

IMPLEMENTED BY:

UNDP - SOUTH SUDAN

REVISION:

NOTES:

DRAWING SCALE

1:100

DRAWING TITLE

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PROJECT:

REHABILITATION OF SANITARY FACILITY (LATRINE) AT PARIANG HOSPITAL

GROUNDBEAM

GROUND BEAM

FABRICATED MESH

200 MM THICK CLAY BRICK WALL

660 X 230 MM FOOTING

DOOR (2)

GROUND BEAM

DOOR (2)

GROUND BEAM

DOOR FOR LOADING

DOOR FOR ASH REMOVAL

SECTION R-R

REAR & SIDE ELEVATIONS

FRONT ELEVATION

PLAN VIEW

REAR & SIDE ELEVATIONS

FRONT ELEVATION

DOOR (2)

GROUNDBEAM

GROUND BEAM

FABRICATED MESH

200 MM THICK CONCRETE SLAB OF, MIX 1:3:6 OR MAY BE REINFORCED WITH Y10 REBARS AT 150MM C/C

150 MM THICK CONCRETE SLAB OF, MIX 1:3:6 OR MAY BE REINFORCED WITH Y10 REBARS AT 150MM C/C

FABRICATED MESH WITH Y12 REBARS

MIX 1:3:6 OR MAY BE REINFORCED WITH Y10 REBARS AT 150MM C/C

FABRICATED MESH WITH Y12 REBARS

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