

ROOF REINFORCEMENT
SCALE 1:25

NOTES

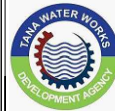
1. **HARD-CORE** LAYER THICKNESS SHALL BE DETERMINED BY THE ENGINEER, BUT NOT LESS THAN 200mm
2. **MASONRY WALL** SHALL NOT BE CONNECTED TO EITHER THE FLOOR SLAB NOR THE ROOF SLAB. THE WALL SUPPORTING AREA OF THE FLOOR SLAB AS WELL AS THE TOP OF THE WALL SHALL BE TROWEL FINISHED AND BE PAINTED WITH THREE COATS OF BITUMINOUS PAINT.
3. THE **MASONRY WALL** SHALL BE BUILT OF GOOD QUALITY LOCAL BUILDING STONES OR CONCRETE BLOCKS. THE SIZE OF THE STONES SHALL BE:
WIDTH: NOT LESS THAN 225mm
LENGTH: BETWEEN 200mm AND 300mm
HEIGHT: NOT MORE THAN 150mm
4. **CONCRETE:** CONCRETE CLASS 20/20 (MIXTURE 1:2:4) FOR FLOOR SLAB, ROOF SLAB AS WELL AS CONCRETE BLOCKS. CONCRETE CLASS Q (MIXTURE 1:3:6) FOR BLINDING.
5. **REINFORCEMENT:** MILD STEEL BARS TO BS 4449. MINIMUM CONCRETE COVER TO THE REINFORCEMENT = 40mm
6. **CONSTRUCTION JOINTS** ARE NOT PERMITTED, THE SLABS MUST BE CASED IN ONE LAYING.
7. **FORM WORK** FOR THE ROOF SLAB MUST HAVE A CHAMBER OF 15mm AT THE CENTER.
8. **EXTERIOR SURFACE** OF THE TANK SHALL RECEIVE ONE COAT OF CEMENT WASH.
9. **INTERIOR SURFACE** OF THE TANK SHALL BE PLASTERED, THICKNESS 15mm, WITH MORTAR MIXTURE 2:1 (SAND:CEMENT) TO OBTAIN A WATER PROOF PLASTERING; PUDLO CEMENT SHOULD BE ADDED.

FOR CONSTRUCTION

signed CMTS

REV	REVISIONS	SIGN	DATE	APPROVED
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CLIENT



TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

PROJECT

DESIGN FOR KAHARO WATER
PROJECT – OTHAYA

Civil/Structural Engineers



TANA WATER WORKS
DEVELOPMENT AGENCY
P. O. BOX 1292-10100
NYERI

Drawing Title

KAHARO WATER PROJECT
STORAGE TANK 150M3
REINFORCEMENT DETAIL

Designed by DWN	Drawn by EWN
Checked by JMM	Approved by
Scale AS SHOWN (A1)	Date SEPT 2022
Job No. 1	ACAD File:
PD STATUS	DRAWING No. TWWDA/KWP/ST-03
	CO REV