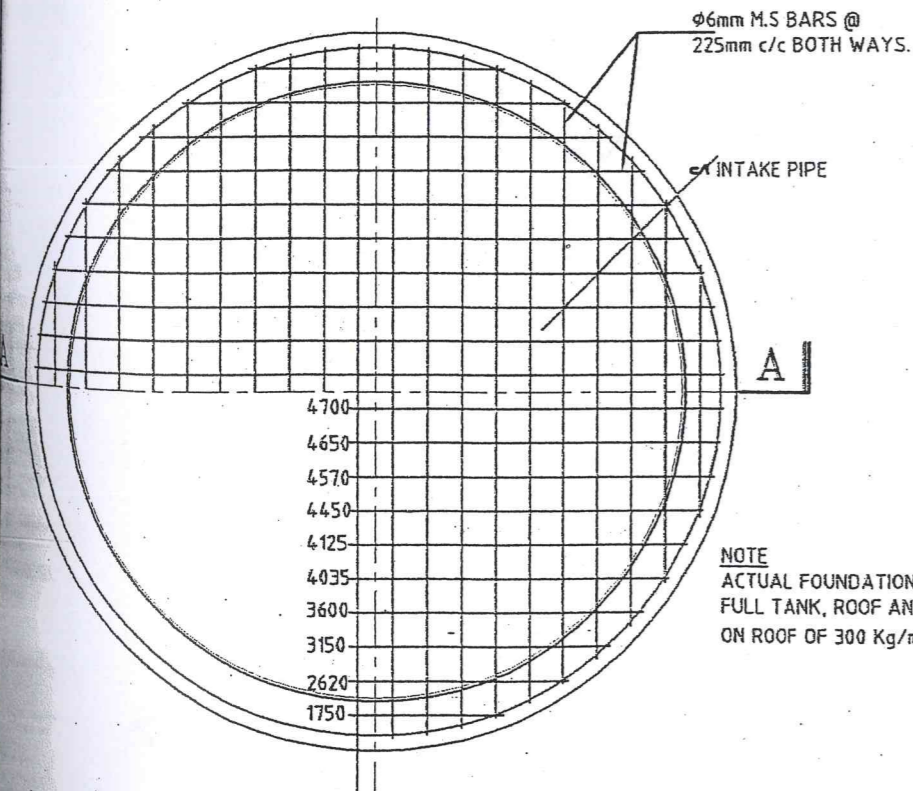


SECTION A-A
SCALE 1:50

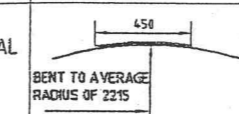
NB
1. SURFACE OF FLOOR SLAB TO BE WELL COATED WITH LIME WASH TO PREVENT BOND BETWEEN FLOOR & WALL
2. IF TANK IS SITED ON BLACK COTTON SOIL, SIMILAR REINFORCEMENT TO THAT AT THE BOTTOM TO BE PROVIDED AT TOP OF SLAB.



FLOOR PLAN REINFORCEMENT
SCALE 1:50

NOTE
ACTUAL FOUNDATION LOADING ALLOWING FOR FULL TANK, ROOF AND SUPERIMPOSED LOAD ON ROOF OF 300 Kg/m² IS 0.25 Kg/cm².

BAR BENDING SCHEDULE

POSITION IN STRUCTURE	TYPE OF BAR	BENDING DETAILS	No. REQUIRED	DIA.	OVERALL LENGTH	UNBENT LENGTH	REMARKS
BOTTOM OF FLOOR SLAB	PLAIN	STRAIGHT	40	6	AS SHOWN ON PLAN	NET TOTAL = 179830 INCLUDING LAPS & WASTE	TO BE MADE UP OF LENGTHS SUPPLIED. LAP LENGTH = 375
TOP OF FLOOR SLAB IF TANK IS SITED ON BLACK COTTON SOIL	PLAIN	STRAIGHT	40	6	DITTO	DITTO	DITTO
TANK WALL	CIRCUMFERENCIAL		23	6	14170 + LAPS	NET TOTAL = 379810 INCLUDING LAPS & WASTE	TO BE MADE UP OF LENGTHS = 450 ALL LAPS TO BE STAGGERED

QUANTITIES

225X150 DRESSED STONE	.....	168m
AGGREGATE 6 TO 12	.....	7.61 TONNES
SAND	.....	9.15 "
CEMENT	.....	4.5 "
BONDEX	.....	6.35 Kg
PUDLO CEMENT	.....	1 BAG OF 15 Kg
LIME	.....	15Kg

PIPE FITTINGS

OFFTAKE		
150X100 REDUCING SOCKET	.....	1No.
100 BARREL NIPPLE	.....	1No.
100 SOCKET	.....	2No.
100 FLANGE	.....	1No.
100X90° BEND	.....	1No.
100 GATE VALVE	.....	1No.

INTAKE

BALL VALVE	.....	1No.
100X90° BEND	.....	1No.
REDUCING SOCKET	.....	1No.
100 SOCKET	.....	2No.
100 FLANGE	.....	1No.
100X90° BEND	.....	1No.
100 GATE VALVE	.....	1No.
VALVE CHAMBER	.....	1No.

QUANTITIES PIPE FITTINGS

OVERFLOW

150X100 REDUCING SOCKET	.....	1No.
100 SOCKET	.....	2No.
100 FLANGE	.....	1No.
100X90° BEND	.....	1No.
VALVE CHAMBER	.....	1No.

SCOUR

100 SOCKET	.....	2No.
100 FLANGE	.....	1No.
100X90° BEND	.....	1No.
100 GATE VALVE	.....	1No.
VALVE CHAMBER	.....	1No.

NB: ALL PIPE FITTINGS ARE GALVANIZED STEEL (G.S)

MATERIALS REQUIRED IF 1:2:4 MIX
PRECAST BLOCKS ARE USED INSTEAD OF 225X150 DRESSED STONE

AGGREGATE 6 TO 12	.....	10.16 TONNES
SAND	.....	5.08 TONNES
CEMENT	.....	2.60 TONNES
BARS ϕ 6mm @ 222Kg/m	.....	585.4 m OR 130Kg
BARS ϕ 6mm @ 222Kg/m	.....	791 m OR 176Kg

(IN CASE OF BLACK COTTON SOIL)

MINISTRY OF WATER & IRRIGATION- MAJI HOUSE



TYPE 25 m³ STORAGE TANK
ALL DIMENSIONS IN MILLIMETERS

DESIGNED	P.C SHELAT	JUNE 1962	SHEET 2 OF 2
DRAWN	P. MATUNDRA	FEB' 74	SCALE: AS SHOWN
DIGITIZED	ALUCHIO M.F	JUNE 2009	DRG. NO.
CHECKED	ENG. B.I. [Signature]	JUNE 2009	M.W.I