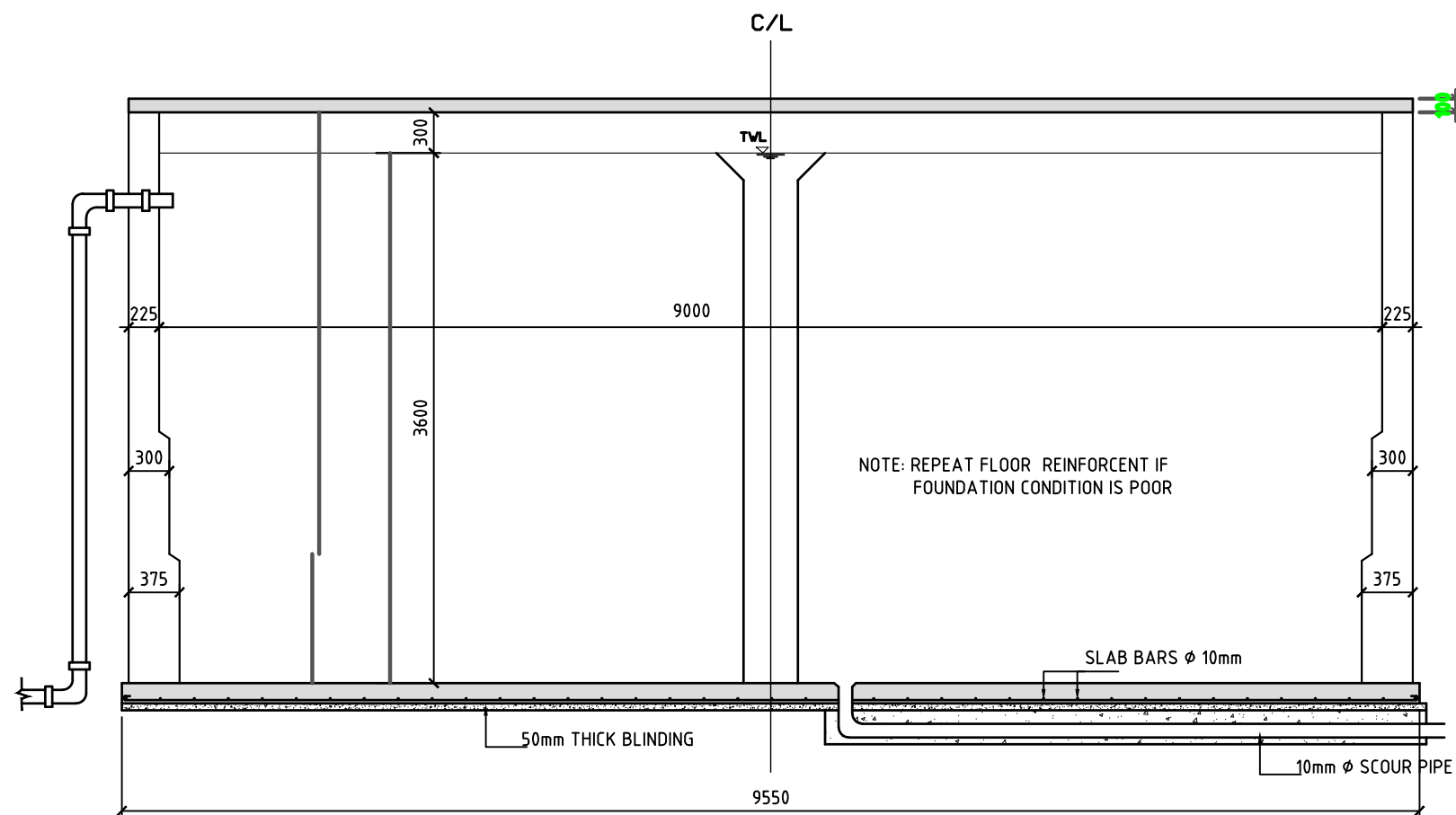
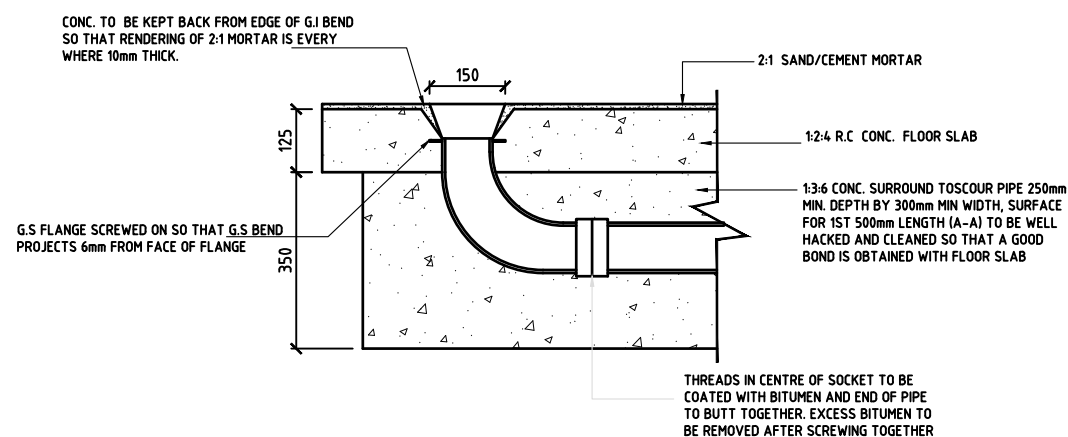




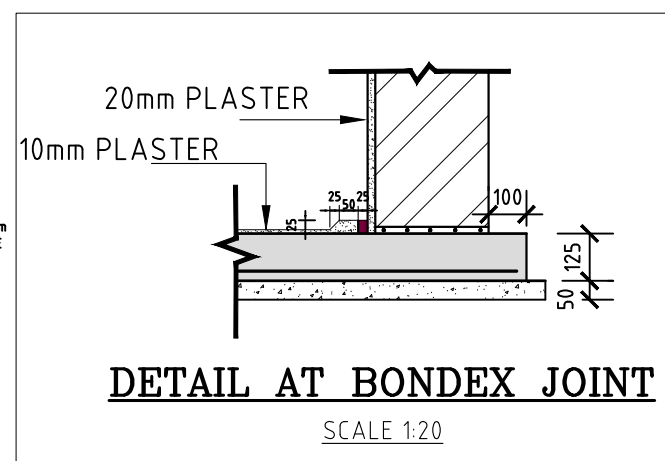
SECTION THRO' TANK ON CENTRE LINE

SCALE 1:50



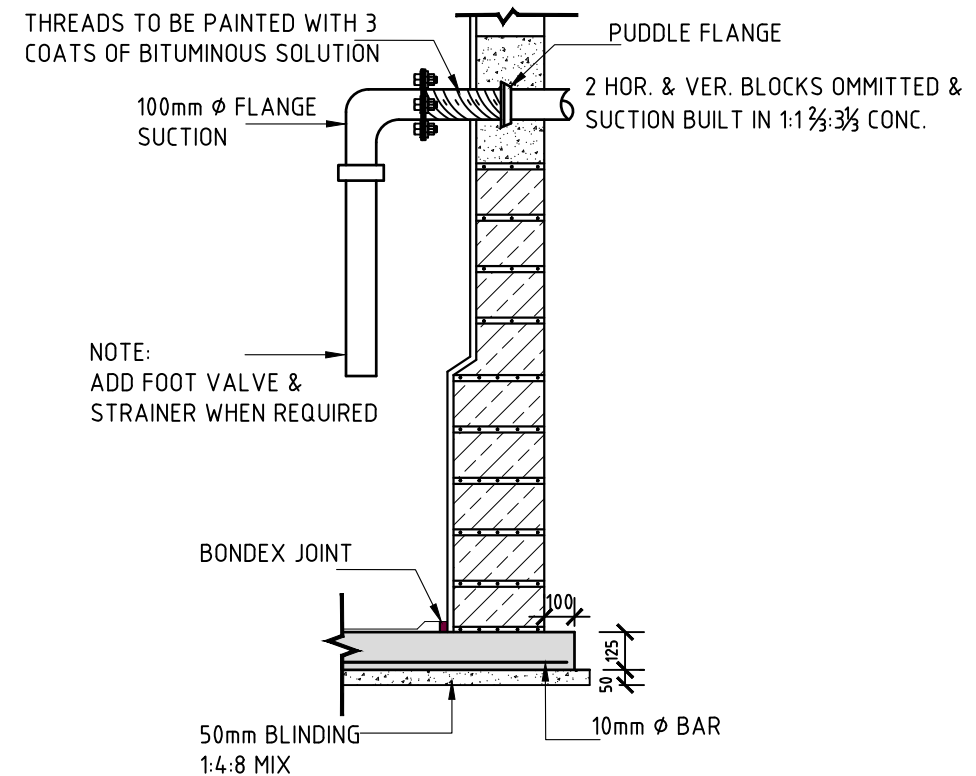
DETAIL OF 100mm SCOUR PIPE

SCALE 1:15



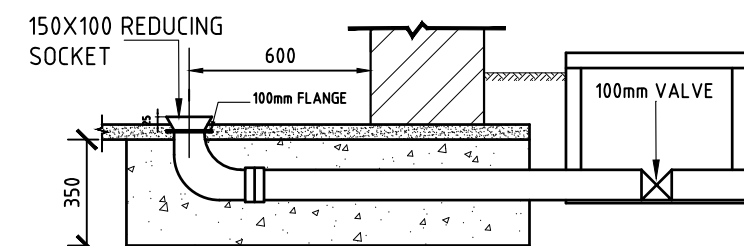
DETAIL AT BONDEX JOINT

SCALE 1:20



SUCTION PIPE ARRANGEMENT

SCALE 1:25



TYPICAL ARRANGEMENT OF 100 mm OUTLET

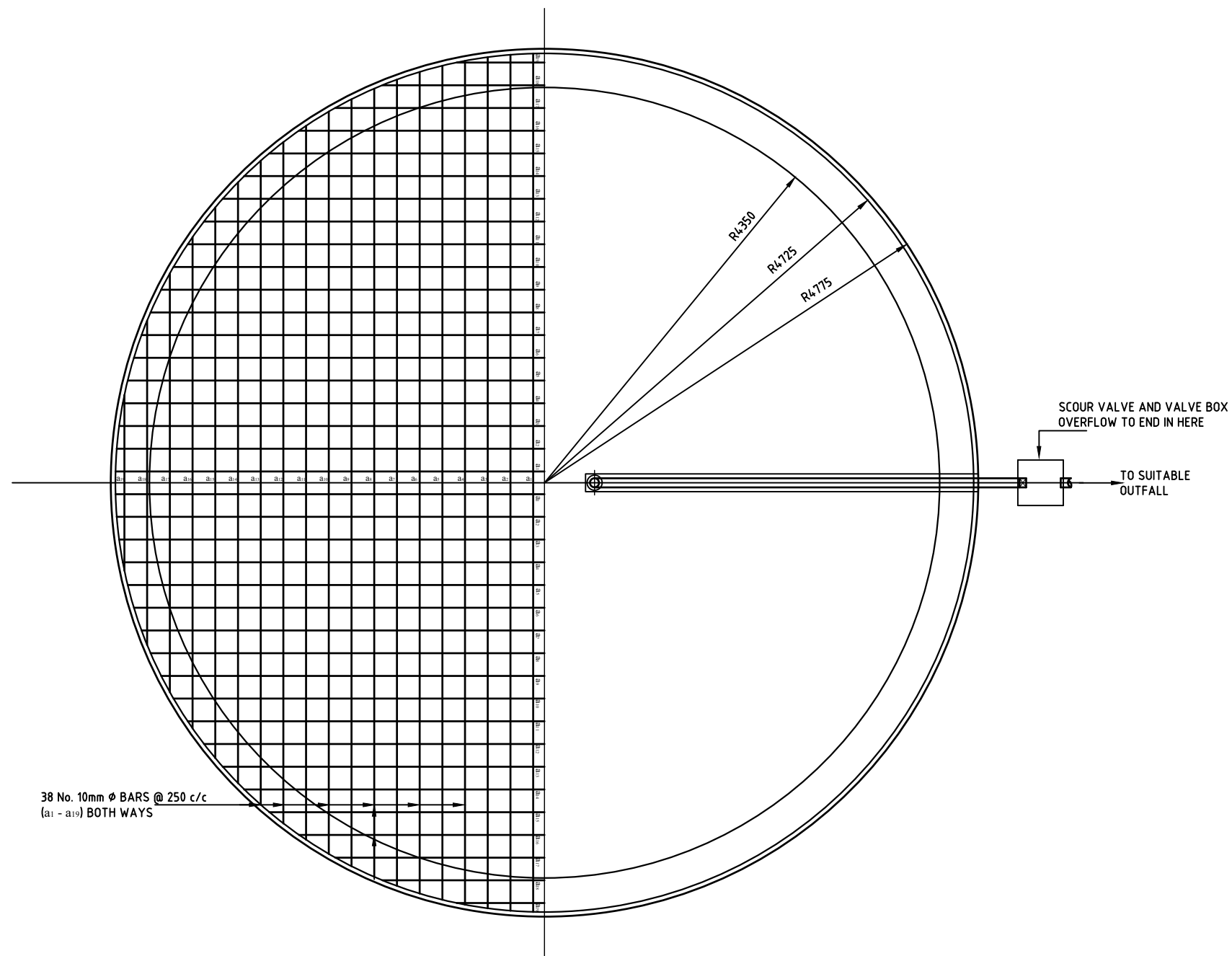
SCALE 1:25

MINISTRY OF WATER &
IRRIGATION- MAJI HOUSE

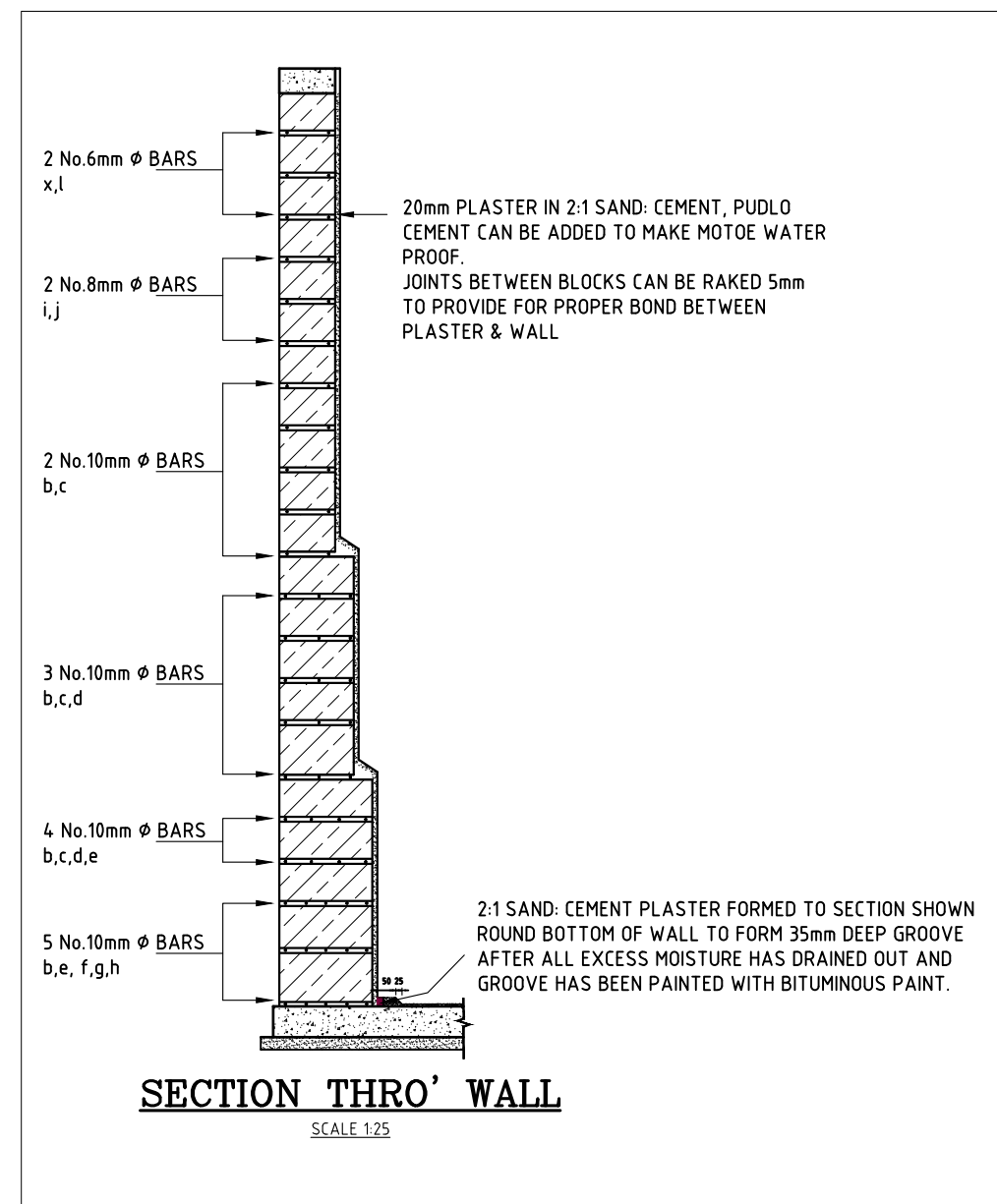


**225M³ MASONRY STORAGE TANK
OR SUCTION SUMP**

			SHEET 1 OF 6
DRAWN	S. OWIND	JULY 1979	SCALE: AS SHOWN
DIGITIZED	ALUCHIO M.F	JUNE 2009	DRG. NO.
CHECKED	ENG. B.I KASABULI	JUNE 2009	M.W.I
APPROVED	D.W.S	JUNE 2009	013-TYPE-072



HALF FLOOR PLAN
SCALE 1:50

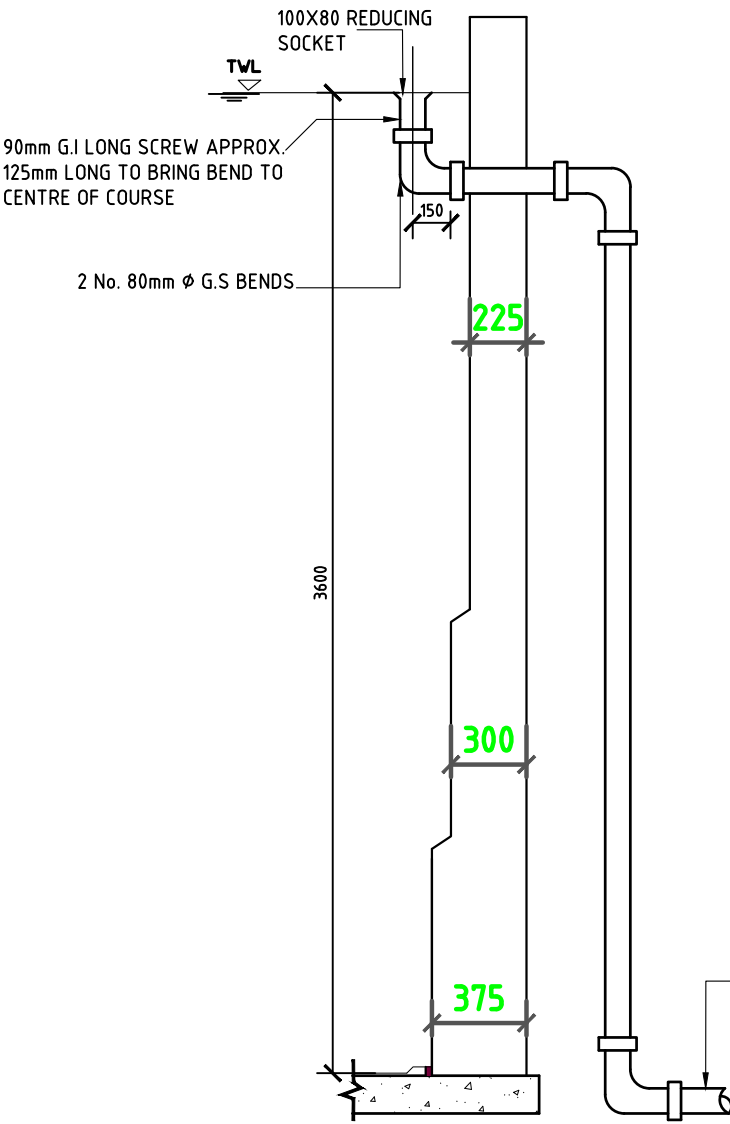


MINISTRY OF WATER &
IRRIGATION- MAJI HOUSE



**225M³ MASONRY STORAGE TANK
OR SUCTION SUMP**

			SHEET 2 OF 6
DRAWN	S. OWIND	JULY 1979	SCALE: AS SHOWN
DIGITIZED	ALUCHID M.F	JUNE 2009	DRG. NO.
CHECKED	ENG. B.I KASABULI	JUNE 2009	M.W.I
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80mm O/FLOW DETAIL

SCALE 1:30

- GENERAL NOTES**
1. THE 10mm THICK 2:1 SAND:CEMENT PLASTER TO BE FLOATED TO A SMOOTH FINISH WITH A STEEL STRAIGHT EDGE UNTIL A DENSE SURFACE RICH IN CEMENT IS OBTAINED. GROOVE FOR BONDEX JOINT TO BE FORMED AT THE SAME TIME
 2. THE TANK WALL MUST NOT BE BONDED TO THE FLOOR SLAB. TO ENSURE THIS, BEFORE COMMENCING TO BUILD THE TANK WALL THE SURFACE TO THE FLOOR SLAB IS TO BE WELL COATED WITH BITUMEN(UNDER WALL ONLY
 3. ALL BALLAST FOR CONCRETE TO BE BROKEN FROM SOUND ROCK TO A MINIMUM SIZE OF 20mm. IT MUST PASS THROUGH A 22mm MESH SCREEN AND SHOULD BE EVENLY GRADED TO 6mm SIZE SO THAT APPROX. 50% IS RETAINED ON A 13mm MESH AND NOT LESS THAN 15% PASSES A 10mm MESH.
 4. ALL SAND USED MUST BE CLEAN, SHARP AND FREE FROM ALL EARTH, CLAY, VEGETATION AND OTHER DELETERIOUS MATTER.
 5. WALL STONE IS TO BE SOAKED FOR 24HRS IN WATER BEFORE LAYING.
 6. PARTICULAR CARE SHOULD BE TAKEN TO ENSURE THAT ALL JOINTS BTWN STONES IN THE WALL ARE FILLED WITH MORTAR. ALL JOINTS ESTIMATED AS 25mm.
 7. 30mm MIN COVER TO ALL REINFORCEMENT TO BE PROVIDED.

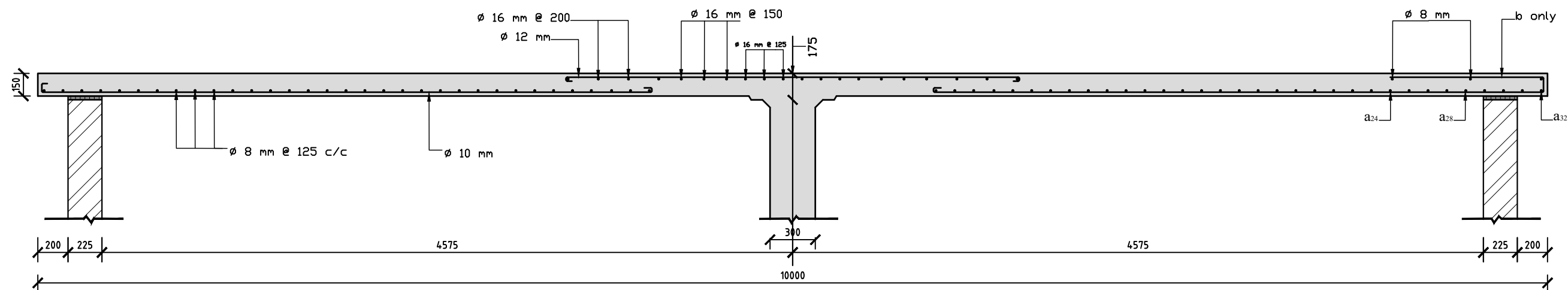
BAR MARK	NO.	BAR DIA.	ORDER LENGTH	BENDING
a1	4	10	2250	STRAIGHT
a2	4		3750	
a3	4		4725	
a4	4		5475	
a5	4		6150	
a6	4		6750	
a7	4		7125	
a8	4		7500	
a9	4		7875	
a10	4		8175	
a11	4		8475	
a12	4		8750	
a13	4		8900	
a14	4		9075	
a15	4		9225	
a16	4		9300	
a17	4		9400	
a18	4		9500	
a19	4		9525	
b	15	10	3100	BENT TO INT. RADIUS OF 4690 2 LENGTHS 1150 1 LENGTH 8 WITH 3 LAPS OF 600 EACH (NET LENGTH OF BAR 29200)
c	14	10	30550	BENT TO INT. RADIUS OF 4775 2 LENGTHS 10500 1 LENGTH 7750 WITH 3 LAPS OF 600 EACH (NET LENGTH OF BAR 28750)
d	9	10	29976	BENT TO INT. RADIUS OF 4500 2 LENGTHS 1 LENGTH 7175 WITH 3 LAPS OF 600 EACH (NET LENGTH OF 1 BAR 28175)

MINISTRY OF WATER &
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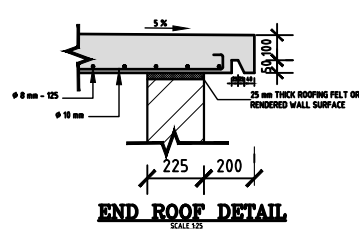


225M³ MASONRY STORAGE TANK
OR SUCTION SUMP

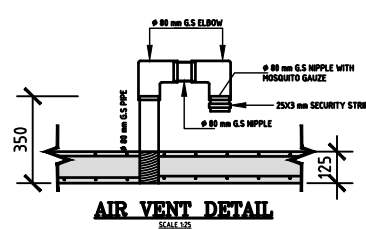
			SHEET 3 OF 6
DRAWN	S. OWIND	JULY 1979	SCALE: AS SHOWN
DIGITIZED	ALUCHIO M.F	JUNE 2009	DRG. NO.
CHECKED	ENG. B.I KASABULI	JUNE 2009	M.W.I
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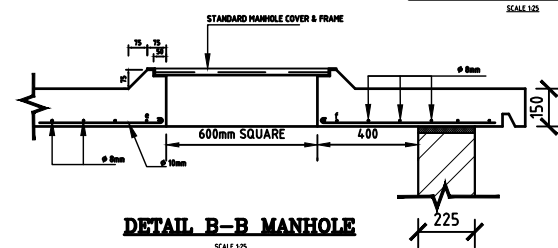
SECTION A-A
SCALE 1/20



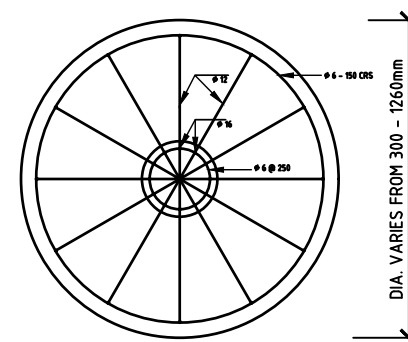
END ROOF DETAIL
SCALE 1/20



AIR VENT DETAIL
SCALE 1/20

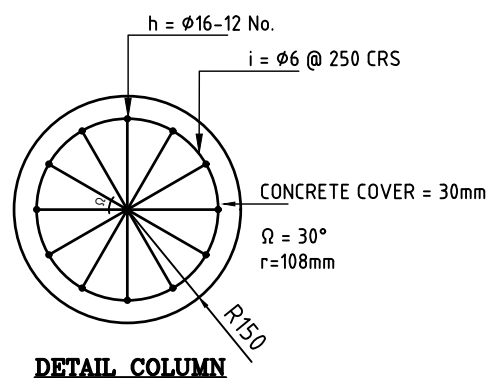


DETAIL B-B MANHOLE
SCALE 1/20



SECTION C-C
SCALE 1/20

NOTES:
BOTTOM STEEL
LOOP STEEL
RADIAL STEEL
BARS b-EVERY 10°
c-b, c-e EVERY 2°30'
d-b EVERY 5°, d-e 10°
TOP STEEL
LOOP STEEL
RADIAL STEEL
ø 12- u EVERY 30°
v EVERY 10°
w EVERY 20°
x-u EVERY 5°
v-u EVERY 10°
MIDDLE RING ø 16 WITH 10 BARS ø 12 AS INDICATED ON IT (SEE DETAIL)



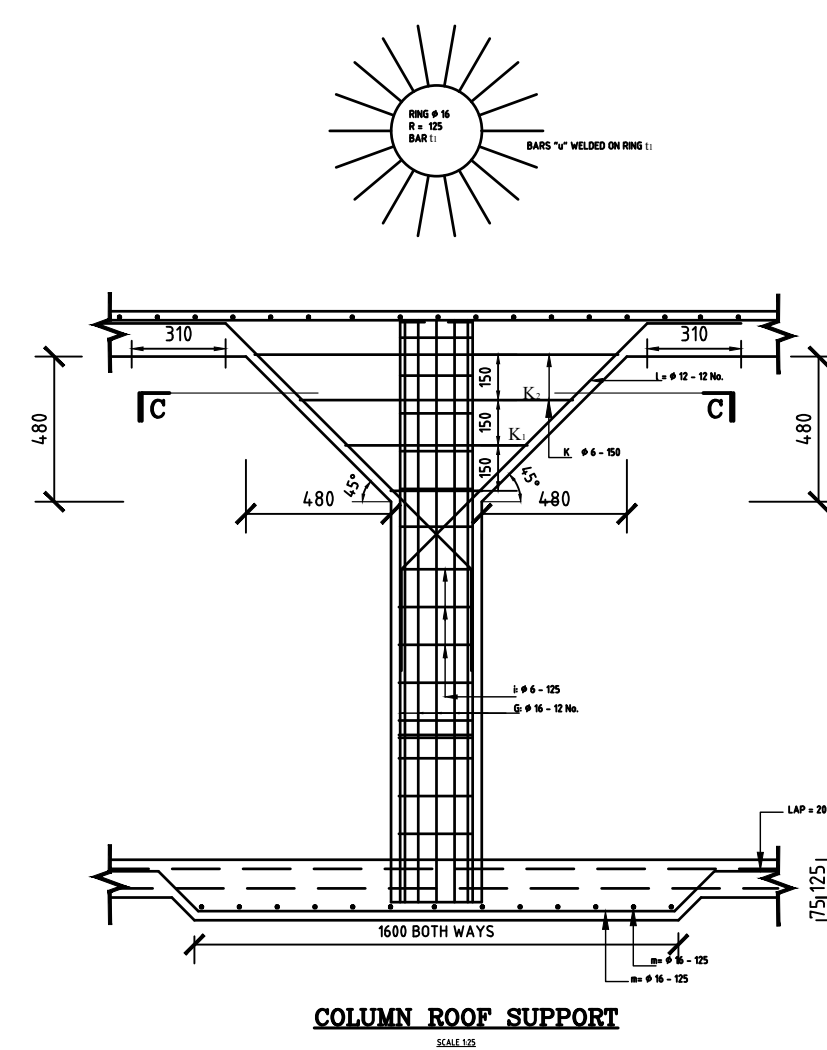
DETAIL COLUMN
SCALE 1:10

MINISTRY OF WATER &
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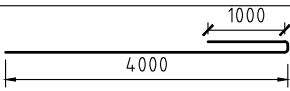
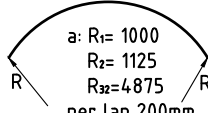
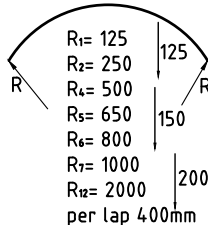
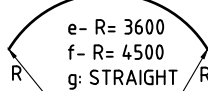
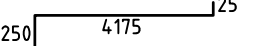
225M³ MASONRY STORAGE TANK OR SUCTION SUMP

			SHEET 4 OF 6
DRAWN	S. OWINO	JULY 1979	SCALE: AS SHOWN
DIGITIZED	ALUCHIO M.F	JUNE 2009	DRG. NO.
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225M³ MASONRY STORAGE TANK
OR SUCTION SUMP

			SHEET 5 OF 6
DRAWN	S. OWIND	JULY 1979	SCALE: AS SHOWN
DIGITIZED	ALUCHIO M.F	JUNE 2009	DRG. NO.
CHECKED	ENG. B.I KASABULI	JUNE 2009	M.W.I
APPROVED	D.W.S	JUNE 2009	013-TYPE-072

BAR BENDING SCHEDULE										
DESTINATION	BAR MARK	TOTAL No.	BAR DIA. mm	LENGTH PER BAR (mm)	TOTAL LENGTH PER BAR MARK (mm)					BENDING
					ϕ 6	ϕ 8	ϕ 10	ϕ 12	ϕ 16	
BOTTOM RADIAL	b	37	10	5100			183.60			
	c	60	10	3400			122.40			
	d	72	10	2800			201.60			
TOP RADIAL	u	18	16	1900				34.20		"
	v	36	16	1000				36.00		
	w	18	16	1700				30.60		
BOTTOM LOOP	a1	32	8	6,283						
	a32			7,069		681.90				
				30,630						
NOTE: a24, a28, a32 2No. each										
TOP LOOP	t1	12	16	785					73,95	
	.			.						
	t12			12,567						
at MANHOLE	e	1	8	1700		1,70				
	f	1	8	2000		2,00	4,00			
	g	2	10	2000						
COLUMN	b	12	16	4,450					53,40	
	i	16	6	800	12,80					
COLUMN TOP	k	3	6	2060						
	l	12	12	3130	9,20			21.00		
				4010						
				1750						
COLUMN BOTTOM	m	26	16	2350					61,10	
TOTAL LENGTH					2200	685,60	511,60	121,80	186,45	(IN METERS)
TOTAL WEIGHT					5kg	271kg	316kg	109kg	298kg	TOTAL 999 kg - 1.0 TON

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225M³ MASONRY STORAGE TANK
OR SUCTION SUMP (ROOF NOTES)

			SHEET 6 OF 6
DRAWN	S. DWIND	JULY 1979	SCALE: AS SHOWN
DIGITIZED	ALUCHIO M.F	JUNE 2009	DRG. NO.
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APPROVED	D.W.S	JUNE 2009	013-TYPE-072