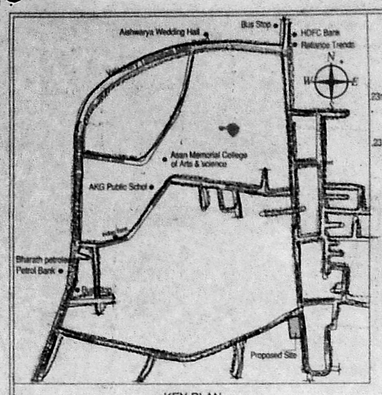
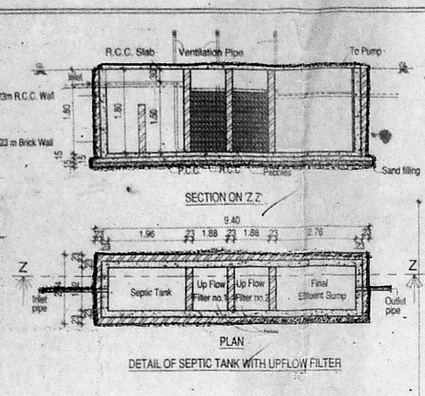
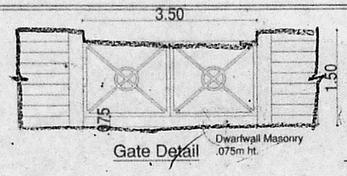


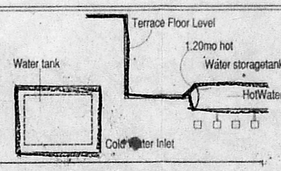
KEY PLAN
NOT TO SCALE



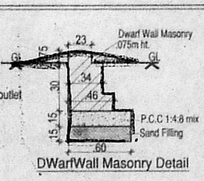
DETAIL OF SEPTIC TANK WITH UPFLOW FILTER



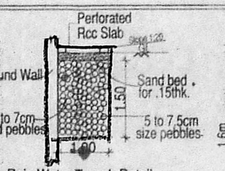
Gate Detail



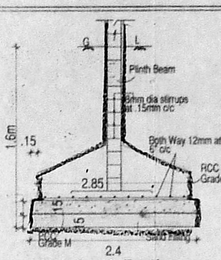
Solar Water Hearter



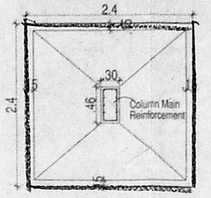
DWarfWall Masonry Detail



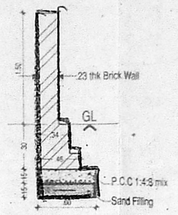
Rain Water Trench Detail



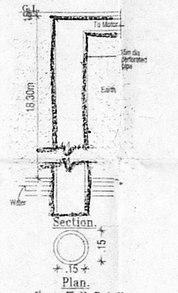
Section of Footing



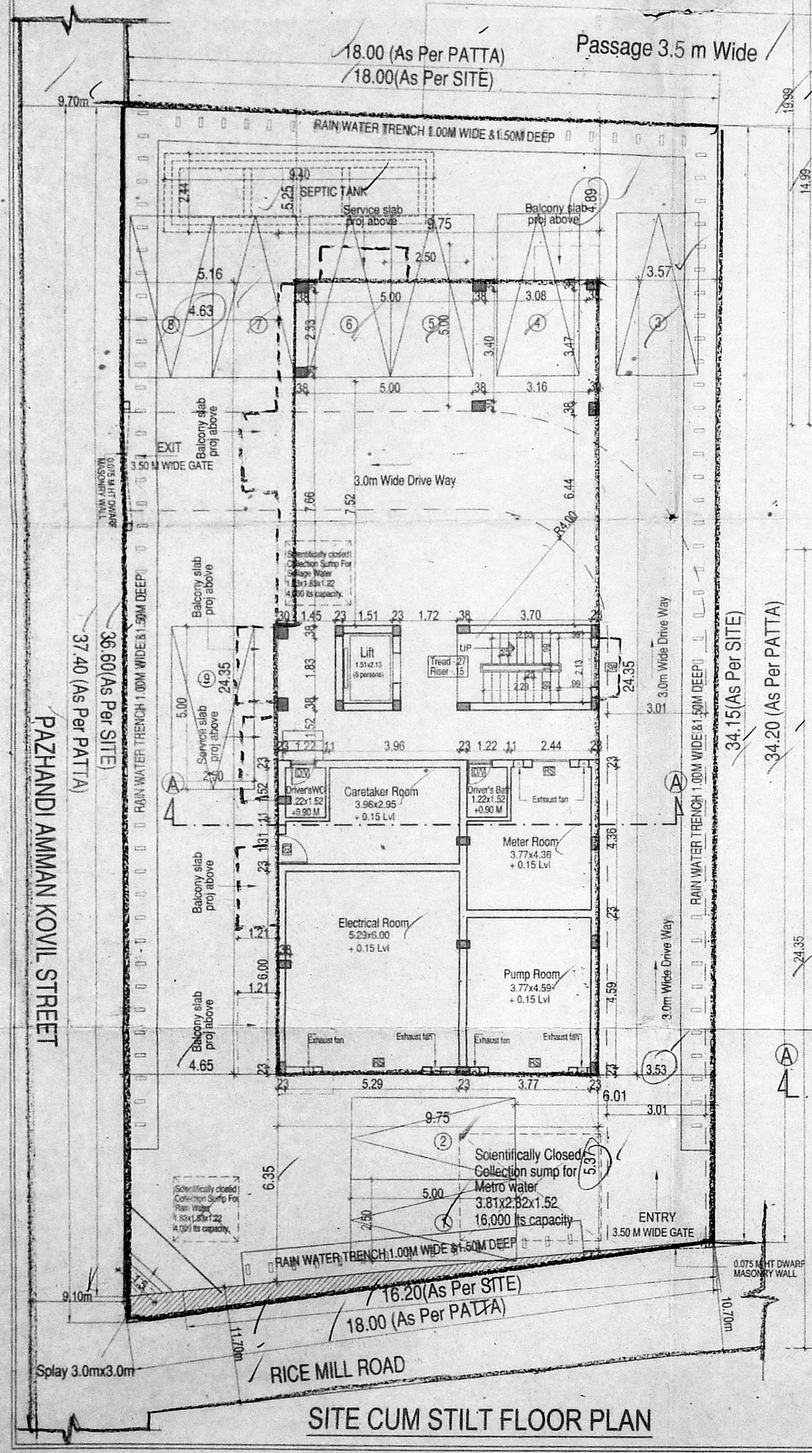
Column Foundation detail
Plan of Footing



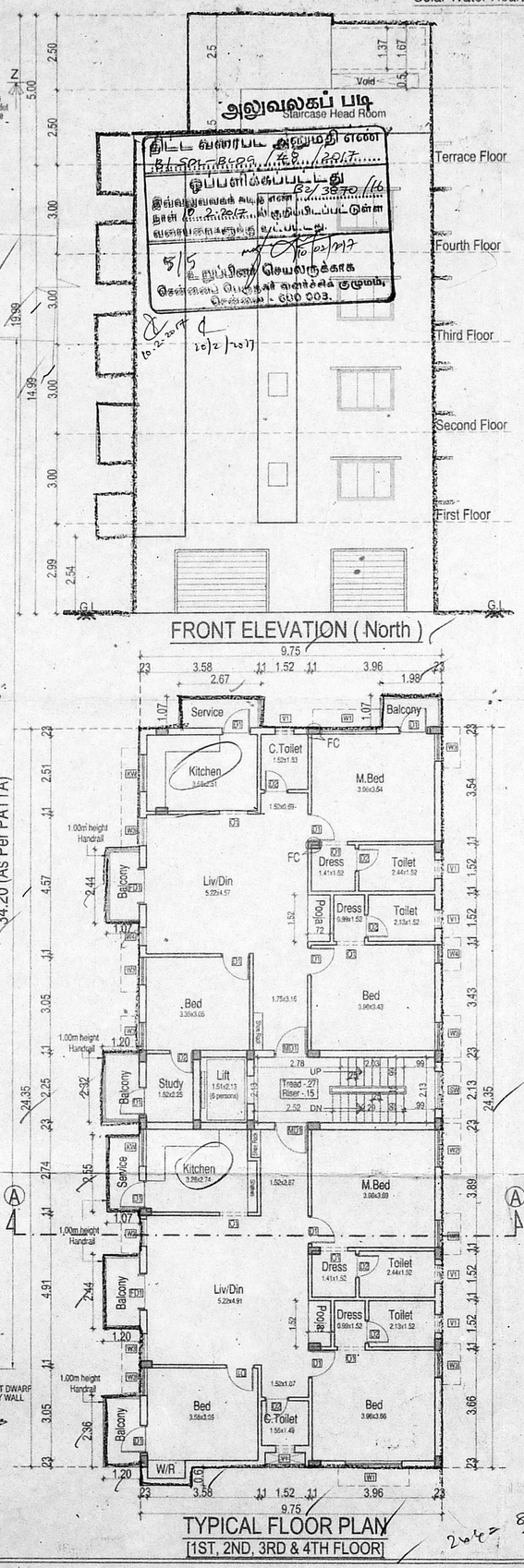
CompoundWall detail



Bore Well Detail.

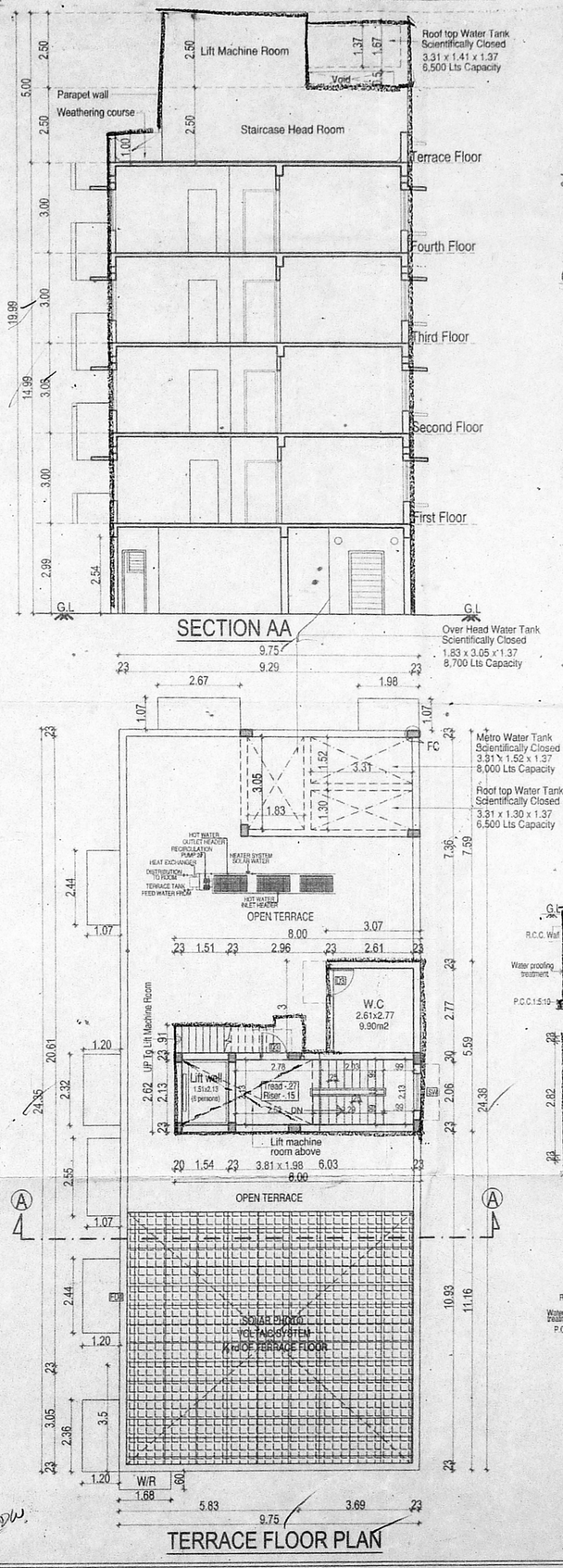


SITE CUM STILT FLOOR PLAN



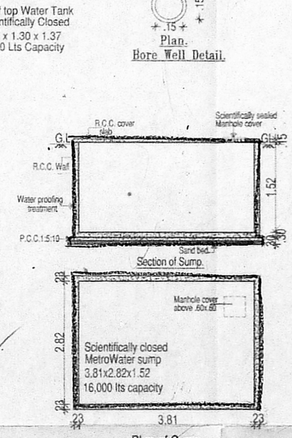
FRONT ELEVATION (North)

TYPICAL FLOOR PLAN
[1ST, 2ND, 3RD & 4TH FLOOR]



SECTION AA

TERRACE FLOOR PLAN



PLAN SHOWING THE PROPOSED ... RESIDENTIAL BUILDING AT S.NO-210/10, OLD S.NO: 216/1 PART, RICE MILL ROAD & PAZHANDI AMMAN KOVIL STREET, OF JALLADIANPETTAI VILLAGE, SHOLINGANALLUR TALUK WITHIN GREATER CHENNAI CORPORATION LIMIT, KANCHIPURAM DISTRICT.
DIVISION NO: 191

அலுவலகப் படி

SPECIFICATIONS.

Foundation	...
Flooring	... Ceramic tile Flooring
Super Structure	... C.S.Brick in C.M 1:5
R.C.C.Work	... For Lintel, beams sunshade Roof, ... concrete used M-25 grade
Weathering Course	... Brick jelly lime conc. below the weathering tiles
Joinery	... Country Wood
Finishes	... Exterior & interior painted ... cement paint.

SCHEDULE OF JOINERIES

MD1	1.07 X 2.13	Main Door	W3	0.91 X 1.37	Window
D1	0.91 X 2.13	Door	W4	0.60 X 1.37	Window
D2	0.76 X 2.13	Door	SW	1.22 X 1.37	Staircase Window
FD1	1.22 X 2.13	French Door	KW6	1.22 X 1.07	Kitchen Window
W1	1.83 X 1.37	Window	V1	0.61 X 0.76	Ventilator
W2	1.22 X 1.37	Window	D/V	0.75 X 2.13 / 0.61 X 0.76	Ventilator

Area Statement. (sqm)

Plot Area (As Per doc)/Least area	-	647.49
Plot Area (As Per patta)	-	650.00
Plot Area (Super imposed)	-	648.98

F.S.I Area Statement. - Sq.m

Floor Detail	F.S.I.Area	5% bal. deduction	10% N.F.S.I	100% N.F.S.I	Parking Area
Stilt floor area			93.98	14.38	149.00
First floor area	241.49	12.01	-	3.22	-
Second floor area	241.49	12.01	-	3.22	-
Third floor area	241.49	12.01	-	3.22	-
Fourth floor area	241.49	12.01	-	3.22	-
Total floor area	965.96	48.04	93.98	39.17	149.00

F.S.I 965.96 / 647.49

F.S.I Achieved - 1.491

Car Parking Required - 9 No's.

Car Parking Achieved - 9 No's.

All Dimensions are in Metre.
Scale : 1:100

Colour Index
Proposed
Boundary
Road

S E W N

DESIGN OF SEPTIC TANK TWO UP FLOW FILTERS.

No. of dwellings	– 8 units	Depth of liquid as	– 1.80
No. of Users	– 5X8 = 40nos.	Plan of the Tank	– 4 = 2.22 / 1.8
Rate of water supply is	– 75 LPH/Day.	Breadth of the Tank	– 1.52
Then flow of sewage per day	– 40x75= 3,000 Lts/Day.	Length of the Tank	– 1.96
Detention period is	– 18 Hrs.	Free board of the Tank	– 0.30
Tank capacity	– 3000x18 = 2250.00 Lts / 24	Total depth of the Tank	– 1.80+.30 =2.10
The tank is to be cleared every year. So the sludge storage capacity at the rate of 15Lts./person/year.		PROVIDE SEPTIC TANK OF THE SIZE	– 1.96x1.52x1.80
	– 40x15 = 600	UP FLOW FILTERS	
	– 3375÷600 = 7.75	Discharge for 12persons	– 3000 Lts.
With provision for future expansion let the total capacity be 4,000 lts. approximately taken as 4 m3		Volume	– 3.00x0.96=2.94
Septic tank having the capacity of	– 4m3	Depth	– 1.80m-0.50m =1.30
		Plan area required	– 2.94 ÷ 2.25 m2 / 2.10
		SIZE OF THE FINAL EFFLUENT SUMP	– 2.76x1.52x1.80
		UP FLOW FILTER NO.1	– 1.88x1.52x1.80
		UP FLOW FILTER NO.2	– 1.88x1.52x1.80

1) ...
2) P.W.
3) Balcony
4) ...
5) ...
6) ...
7) ...
8) ...

Owner's Signature

SIVA ANBARASAN
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Regd. Architect, C.A. No. 10769, R.A. No. 1
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Chennai-8. Ph: 28554262, 28410888

Architect's Signature