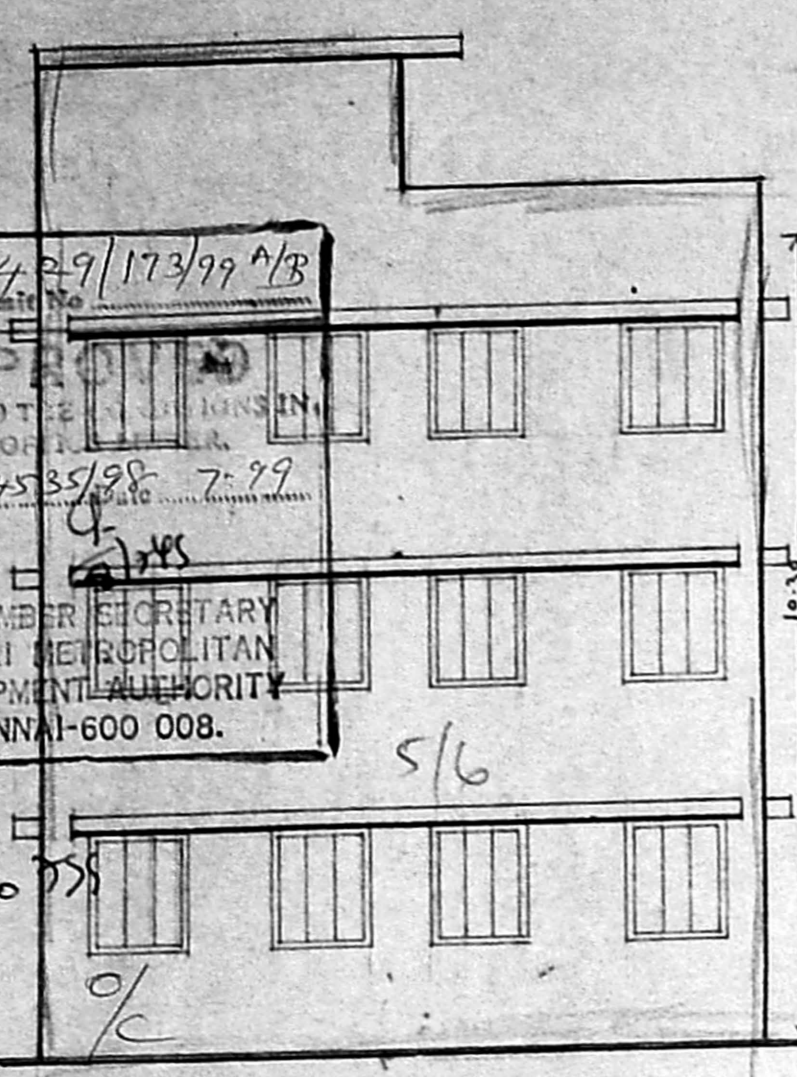
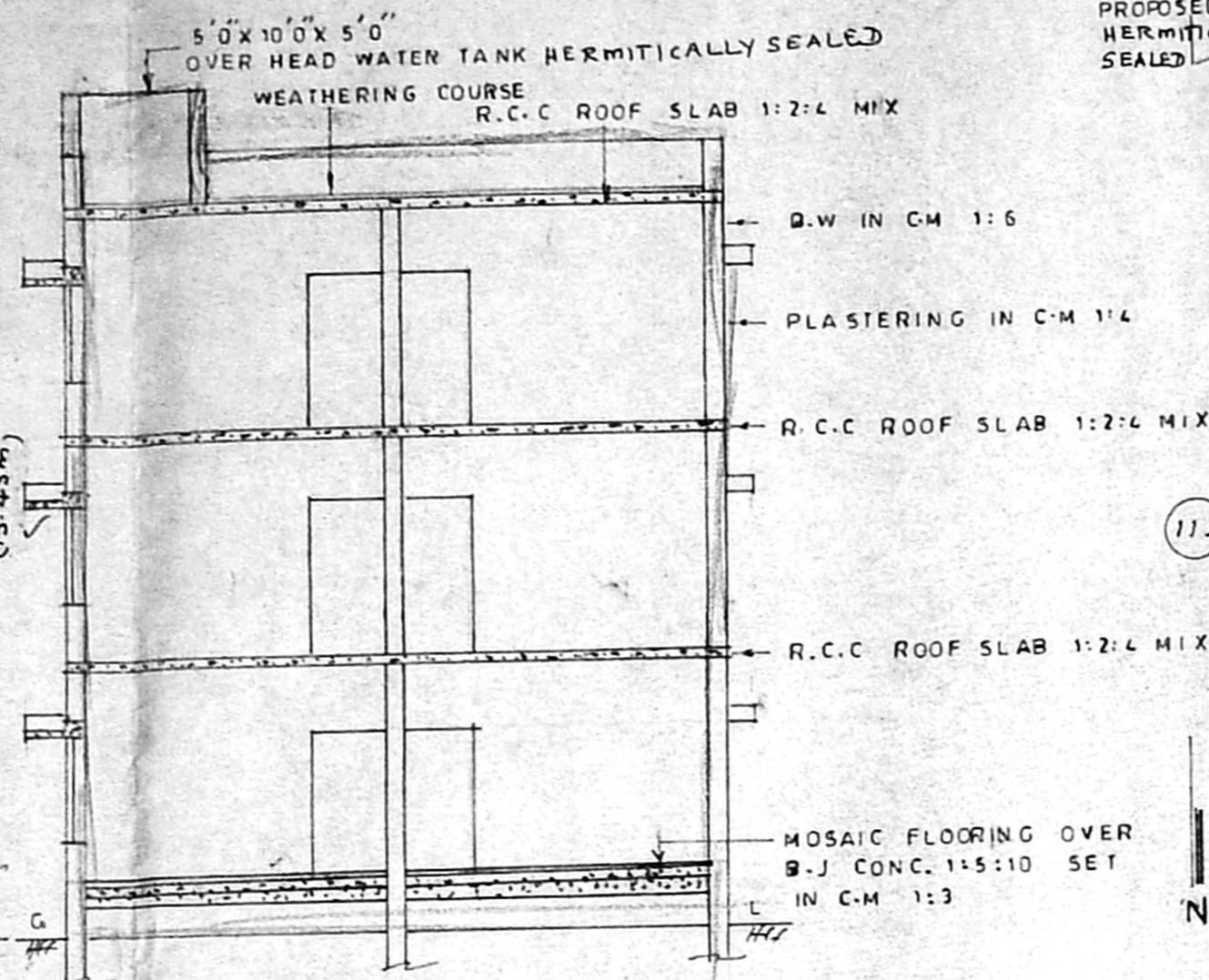


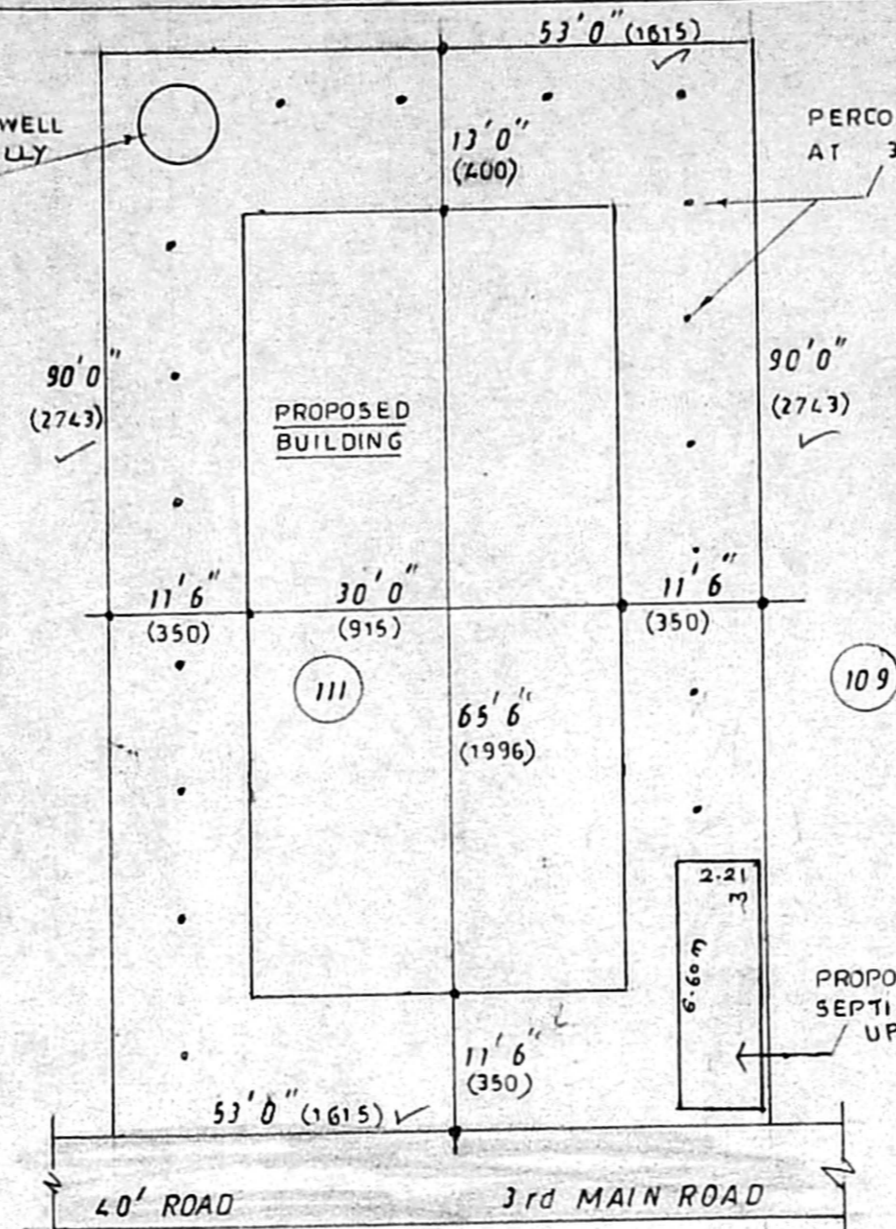
B/26429/173/99 A/B
 APPROVED
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN
 DEVELOPMENT AUTHORITY
 CHENNAI-600 008.



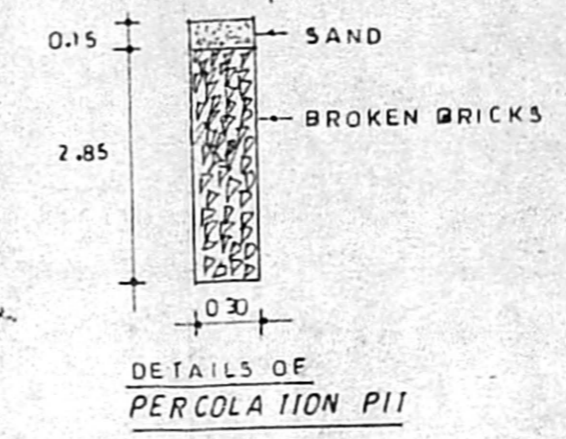
front elevation



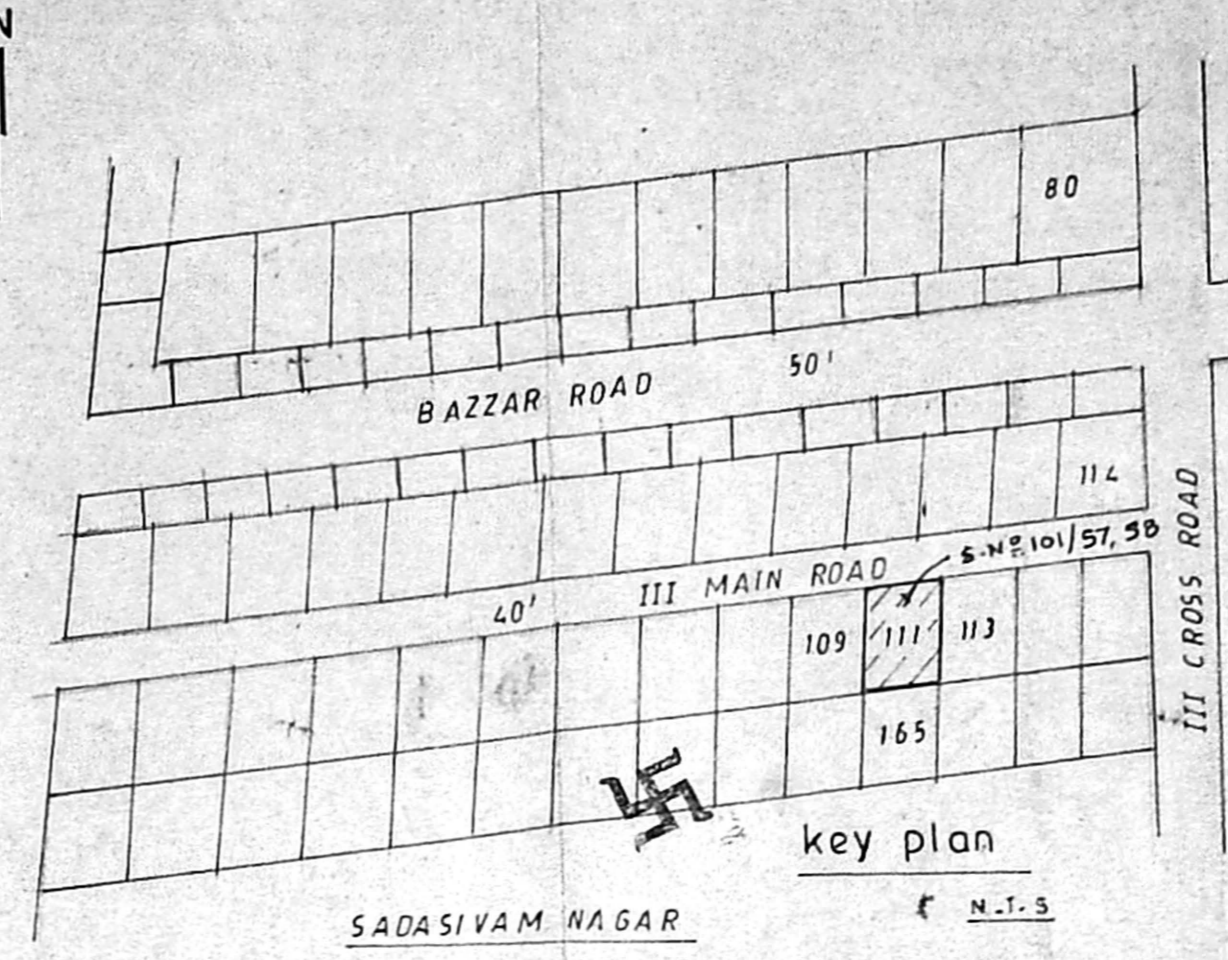
section on a b



site plan
 SCALE: 1 INCH = 16' 0"



DETAILS OF PERCOLATION PIT



key plan

PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (FLAT) AT PLOT No. 111 IN S.No. 101/3A OF MADIPAKKAM VILLAGE, TAMBARAM TK, KANCHEEPURAM DISTRICT.

scale ASPER PATTI S-NR 101/57, 101/58
 1 INCH = 8' 0" (1:100)
 (DIMENSIONS IN BRACKET ARE IN CM)

schedule of joineries

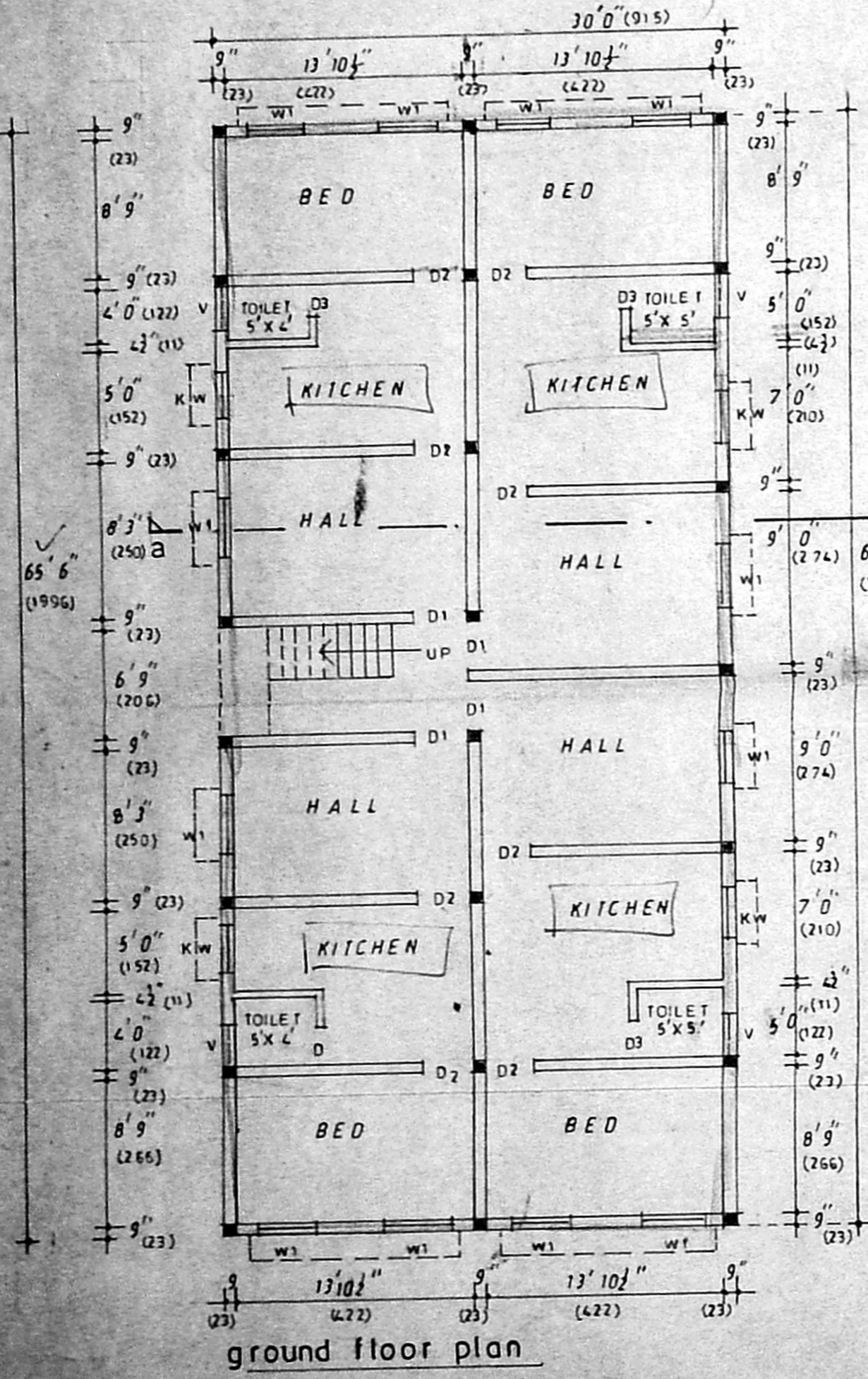
D1 DOOR	3' 6" x 7' 0" (108 x 210)
D2 "	3' 0" x 7' 0" (91 x 210)
D3 "	2' 6" x 7' 0" (76 x 210)
W1 WINDOW	4' 0" x 4' 6" (122 x 135)
KW "	3' 0" x 3' 6" (91 x 108)
V VENTILATOR	3' 0" x 2' 0" (91 x 61)

area statement

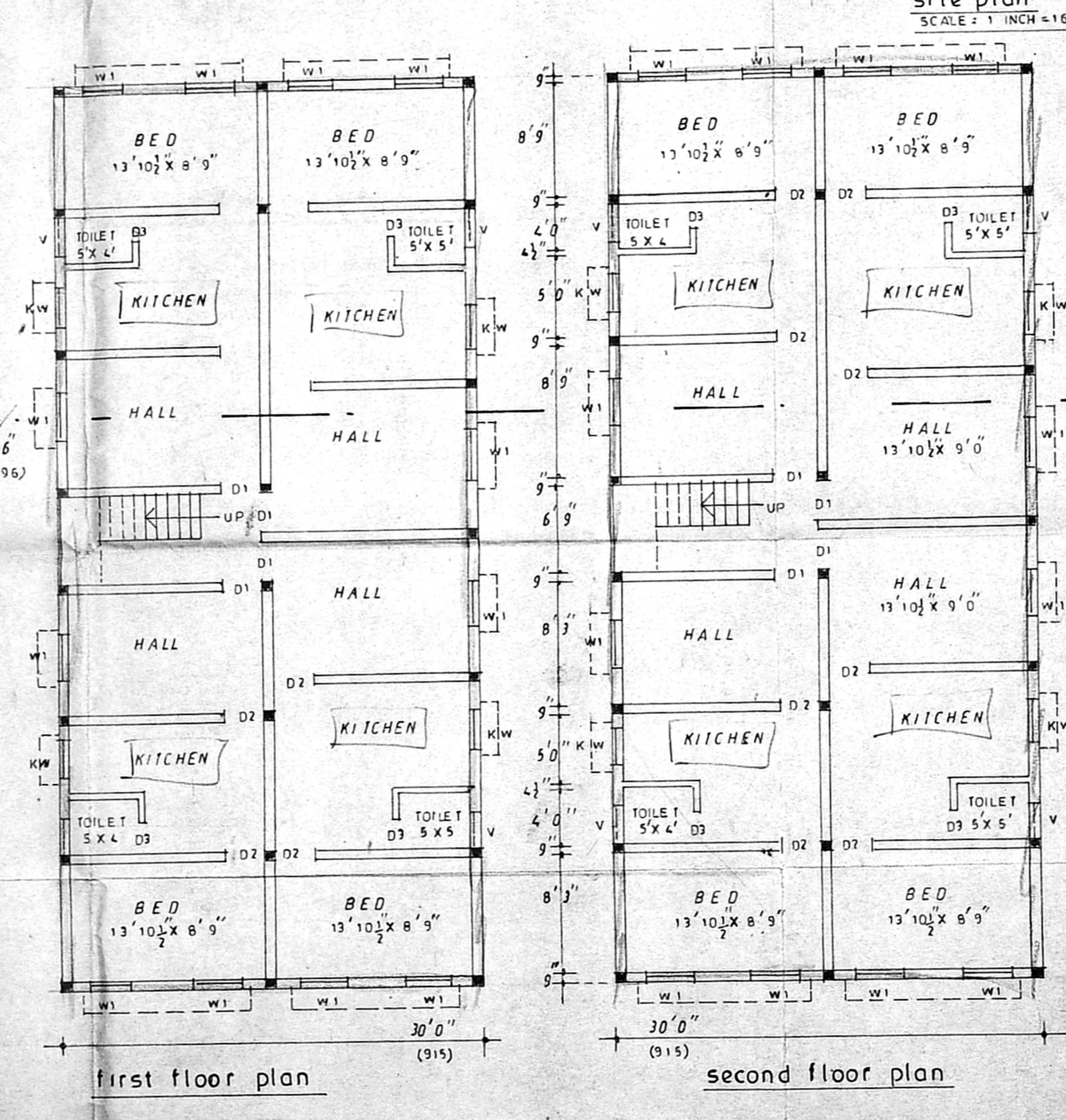
PLOT EXTENT	4770 SQ.FT (443.10 SQ.M)
PLINTH	1965 " (182.50 ")
F-FLOOR	1965 " (182.50 ")
S-FLOOR	1965 " (182.50 ")
F.S.I	
COVERAGE	
EACH DWELLING UNIT AREA	LESS THAN 75M

colour index
 PROPOSALS SHOWN IN
 ROADS SHOWN IN
 BOUNDARY SHOWN IN
 Stair case details

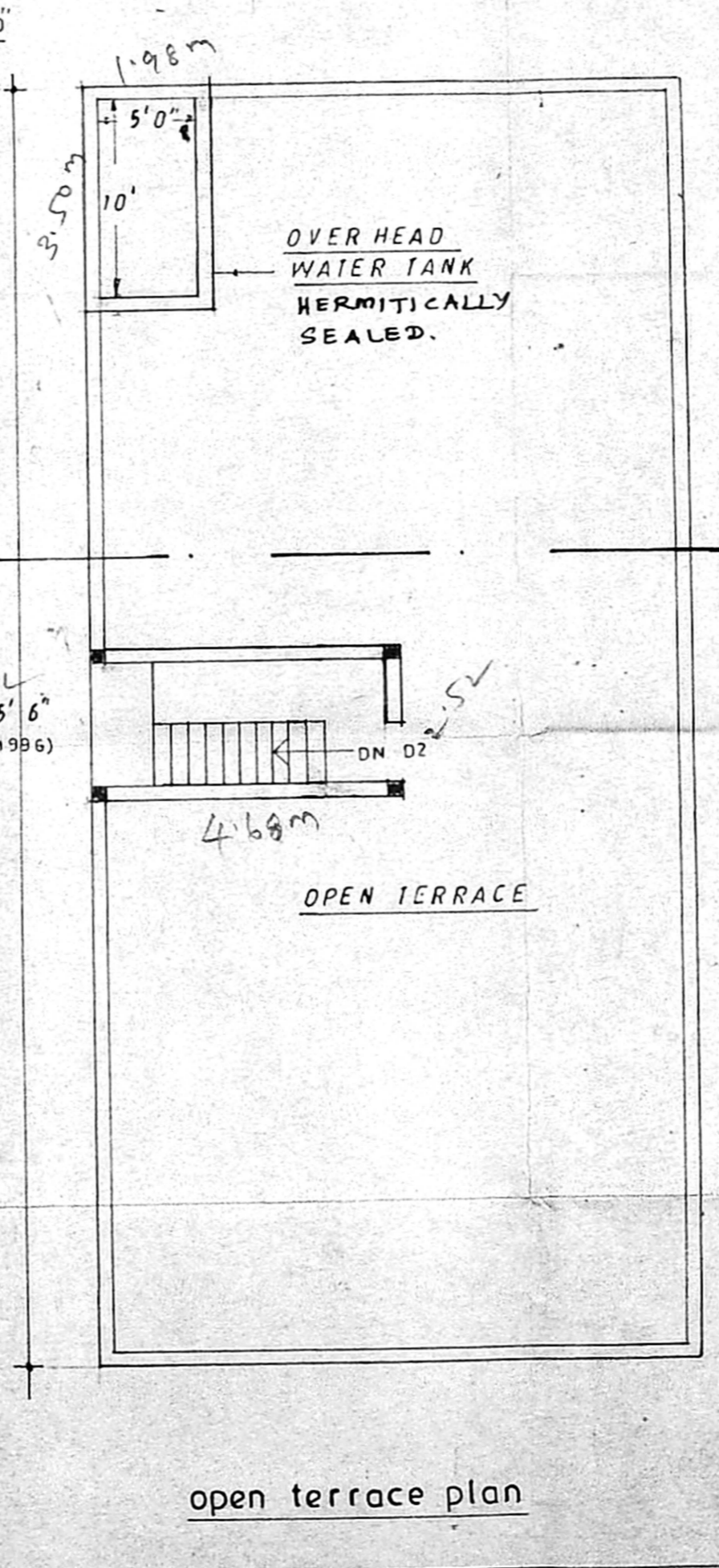
RISE	0' 7" (16)
TREAD	0' 9" (23)
WIDTH	3' 0" (91)
HEAD ROOM	8' 0" (244) HEIGHT



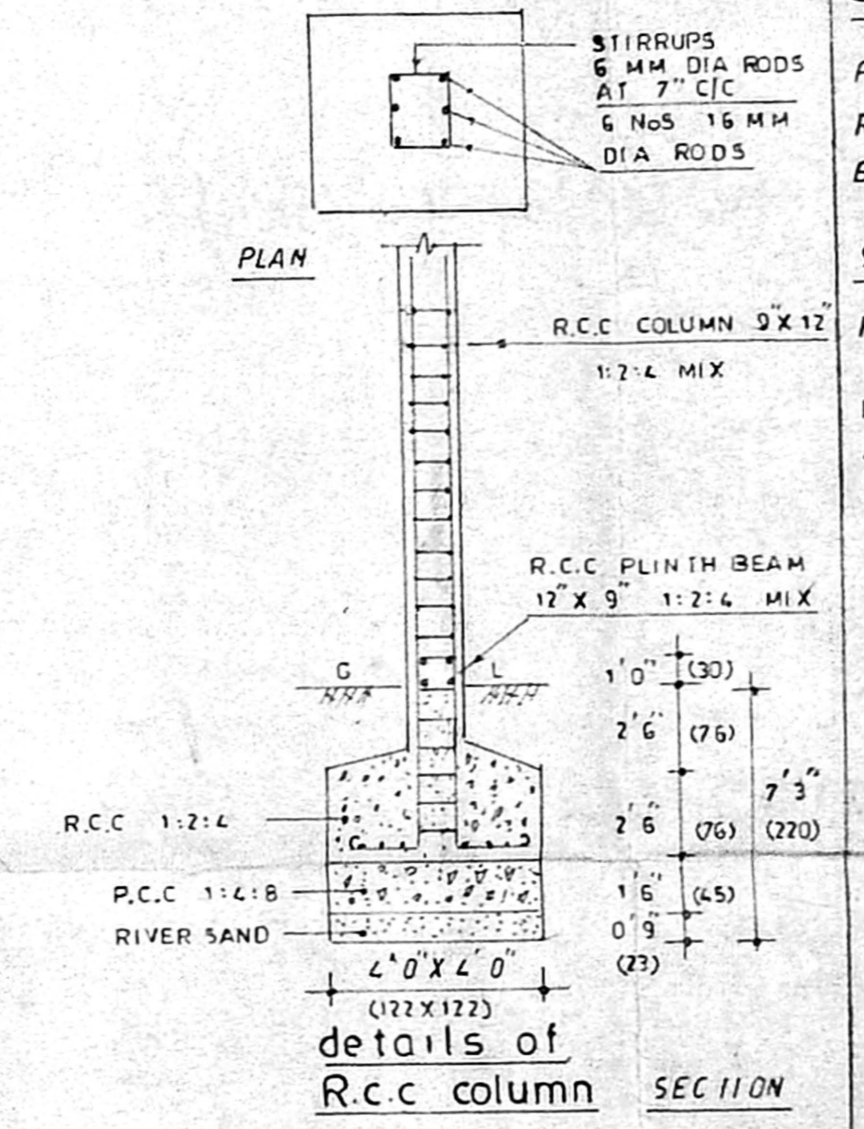
ground floor plan



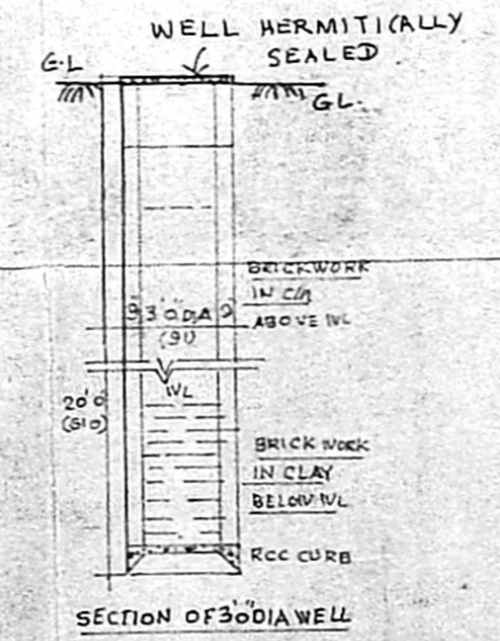
first floor plan



open terrace plan



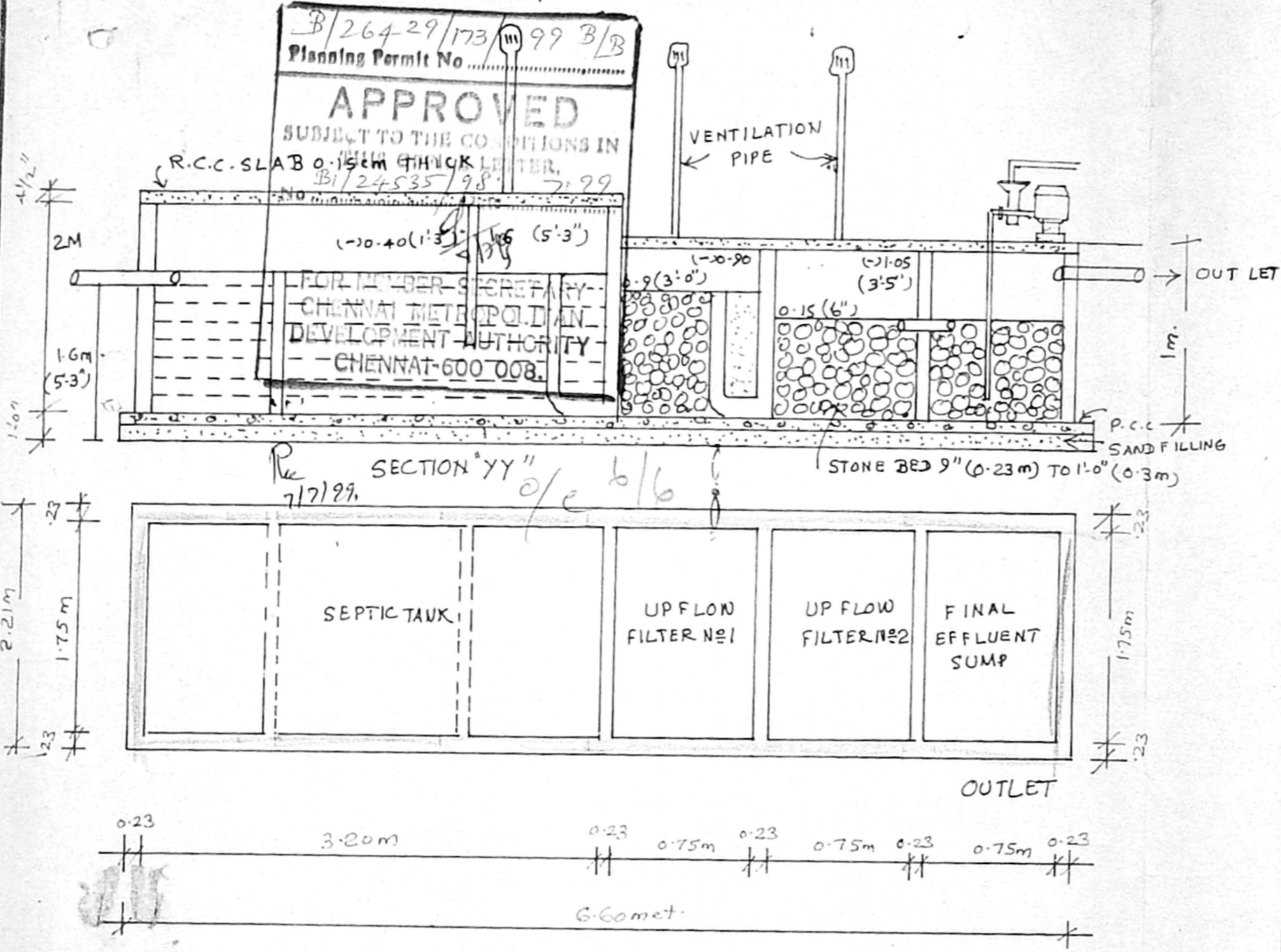
details of R.C.C. column SECTION



SECTION OF A WELL

SHEET No. 1
 T Angathkanni
 OWNER / POWER AGENT
 R. Ganesan
 PH. 2332074
 R. GANESAN
 LICENSED SURVEYOR
 (Ulagaram - Puzhuvakkam
 Town Panchayat)
 138, PONNIMAN KOIL STREET
 MADIPAKKAM, MADRAS 600091

PLAN SHOWING THE PROPOSED SEPTIC TANK WITH UPFLOW FILTER FOR PROPOSED RESIDENTIAL BUILDING AT PLOT NO III IN S.NO 101/3A F-MADIPAKKAM VILLAGE, TAMBARAM TALUK, KANCHIPURAM DISTRICT. ASPER PATTA S.NO 101/57, 101/58.



SEPTIC TANK WITH UPFLOW FILTER

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER

NO OF DWELLINGS 12
 NO OF USERS 12 x 5 = 60 PERSONS.
 RATE OF WATER SUPPLY IS 150 LPH/DAY
 THEN FLOW OF SEWAGE PER DAY = 9000 LTS

CMDA (B) No. 1

DETENTION PERIOD IS 3 YEARS 35/98.
 TANK CAPACITY No. 24 x 12 = 4500 LITRES
 THE TANK IS TO BE CLEARED EVERY YEAR 50 SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LTS. PER PERSON PER YEAR 60 x 15 = 900 LTS.
 TOTAL TANK CAPACITY 9000 + 900 = 9900 LTS WITH PROVISION FOR FUTURE EXPANSION LET THE TOTAL TANK CAPACITY BE 9900 LITS OR 9.9 m³ D.P.
 DEPTH OF LIQUID AS 2 met
 PLAN AREA OF THE TANK 9.9m/2m = 4.45m² say 5m²

THE RATIO OF LENGTH TO WIDTH OF TANK 2
 LENGTH x BREADTH B/24535/98/7/99 Revised Plan
 BREADTH OF TANK $\sqrt{5.00/2} = 1.58$
 LENGTH OF TANK $1.58 \times 2 = 3.16$
 FREE BOARD OF THE TANK 0.25 m
 TOTAL DEPTH OF THE TANK 1.50 + 0.50 = 2.00 m
 PROVIDE ONE SEPTIC TANK OF 3.20m x 1.75 x 2.0 m
 THE SIZE OF UPFLOW FILTERS DISCHARGE FOR 250 PERSONS 250 x 150 = 37500
 VOLUME 250 x 0.045 = 11.25m³ LITS.
 DEPTH 1.00 - 0.25 = 0.75 m
 PLAN AREA REQUIRED 11.25 / 0.75 = 15 m²
 SIZE OF FINAL EFFLUENT SUMP 1.75 m x 0.75 x 1.00 m
 UP FLOW FILTER NO 1 1.75 x 0.75 x 1.00 m
 UP FLOW FILTER NO 2 1.75 x 0.75 x 1.00 m

SHEET NO 2

T. Angarikanni
 OWNER/POWER AGENT

R. Ganesan PH: 2332074
 R. GANESAN
 LICENCED SURVEYOR
 (Ulagaram- Puzhothivakkam Town panchayat)
 138, PONNIAMMAN KOIL STREET
 MADIPAKKAM, MADRAS-600 091
 LICENCED SURVEYOR