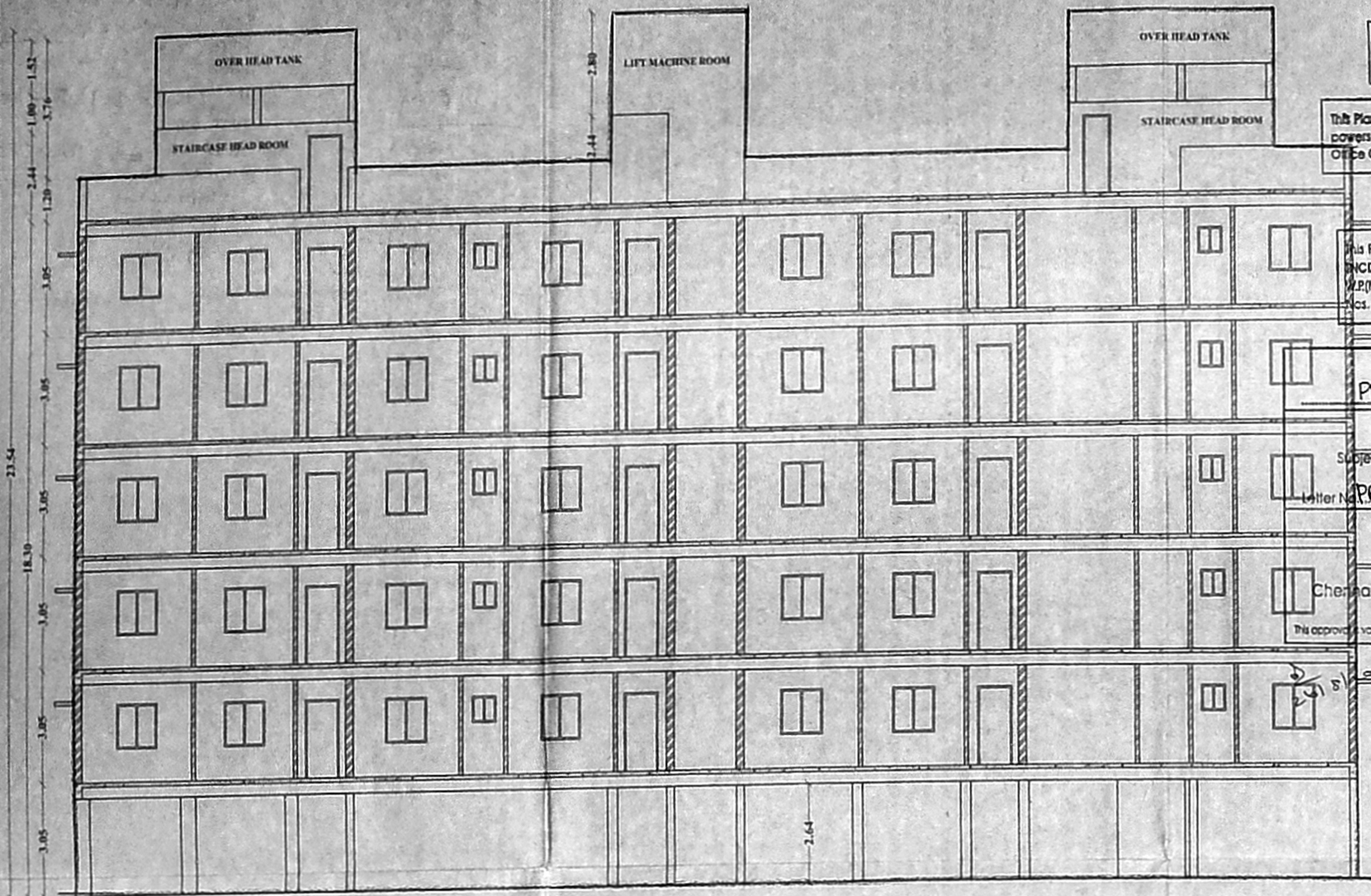
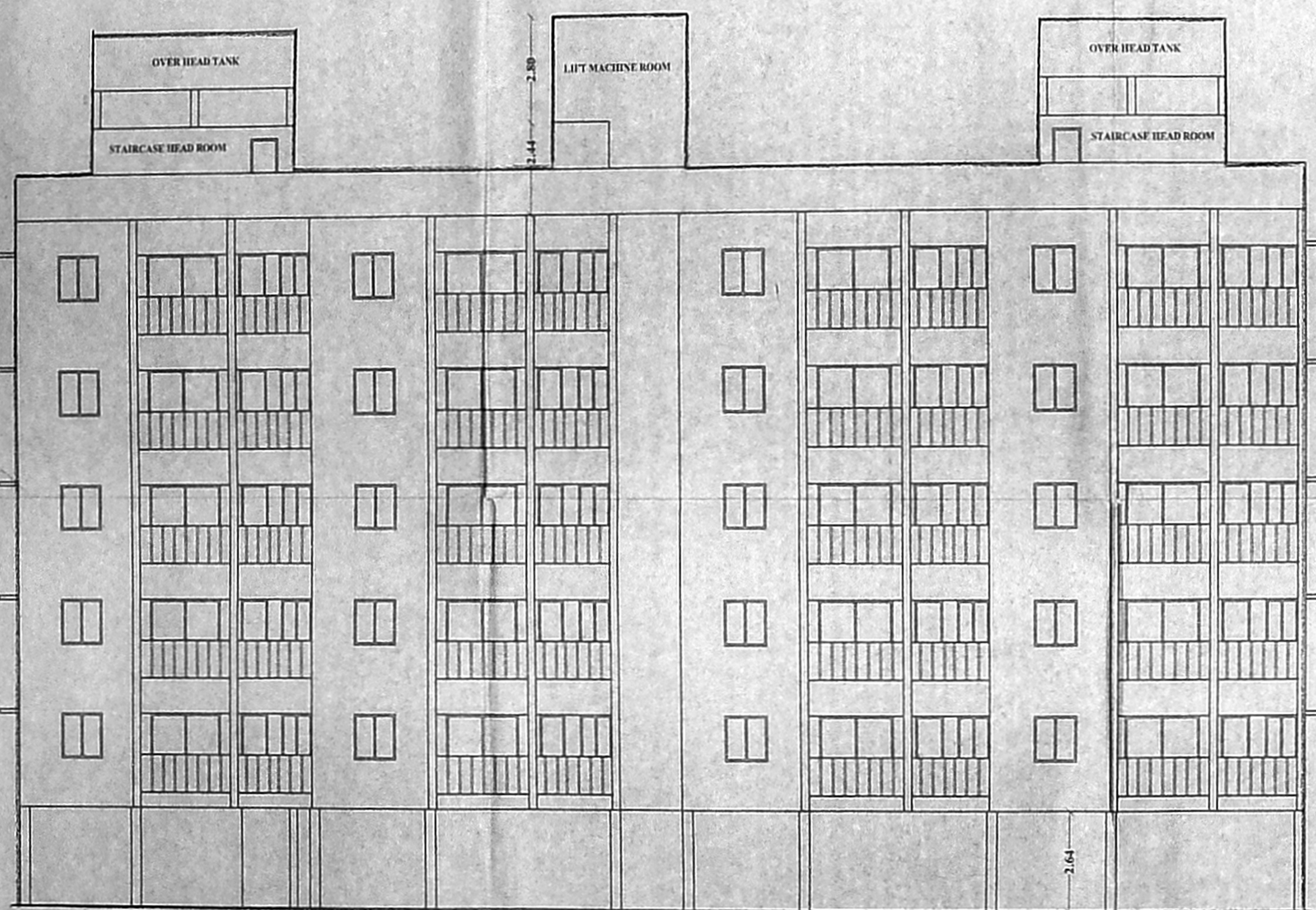


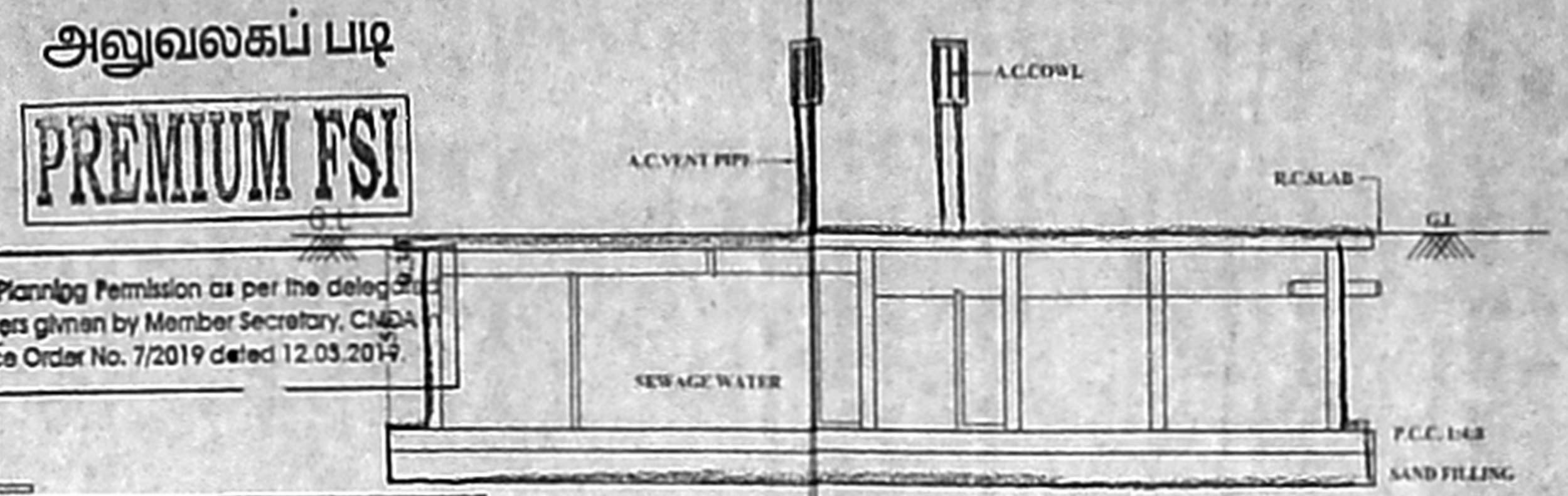
PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS RESIDENTIAL BUILDING WITH 40 DWELLING UNITS WITH AVAILING PREMIUM FSI AT PLOT Nos. 2 & 3, KALACHATHAMMAN KOVIL STREET /7.20m WIDE ROAD, RAMAPURAM, CHENNAI. COMPRISED IN OLD S.No. 73/2B2 & 73/2B, NEW S.No. 73/2B2 & 73/2B3 OF RAMAPURAM VILLAGE, MADURAVOYAL TALUK, GREATER CHENNAI CORPORATION, DIVISION - 155, ZONE - XI



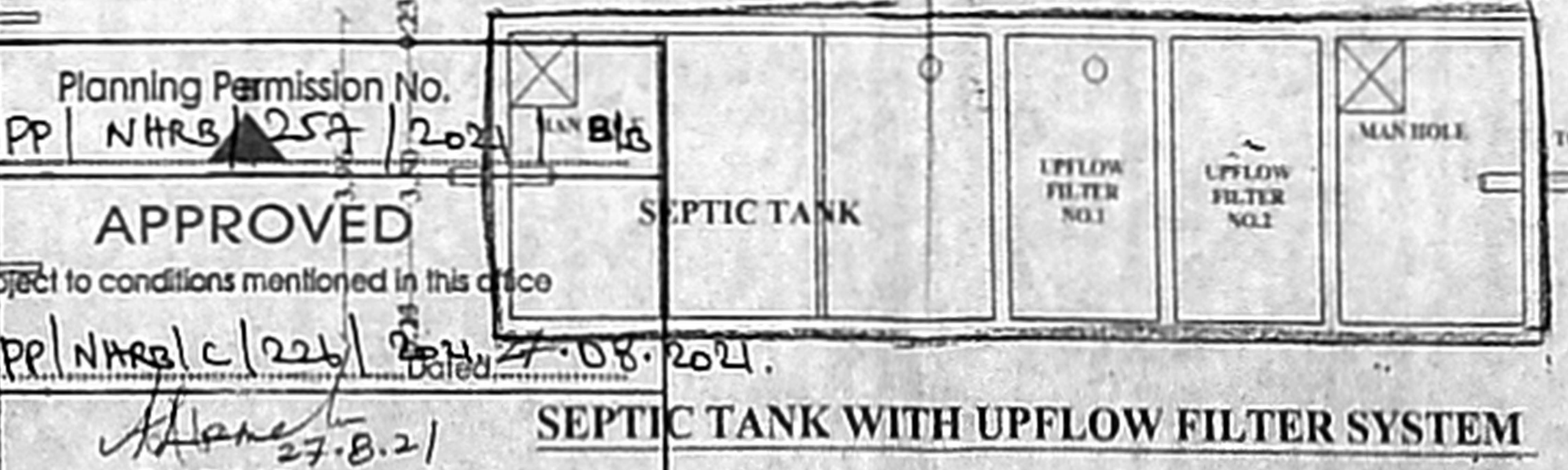
SECTION A-A



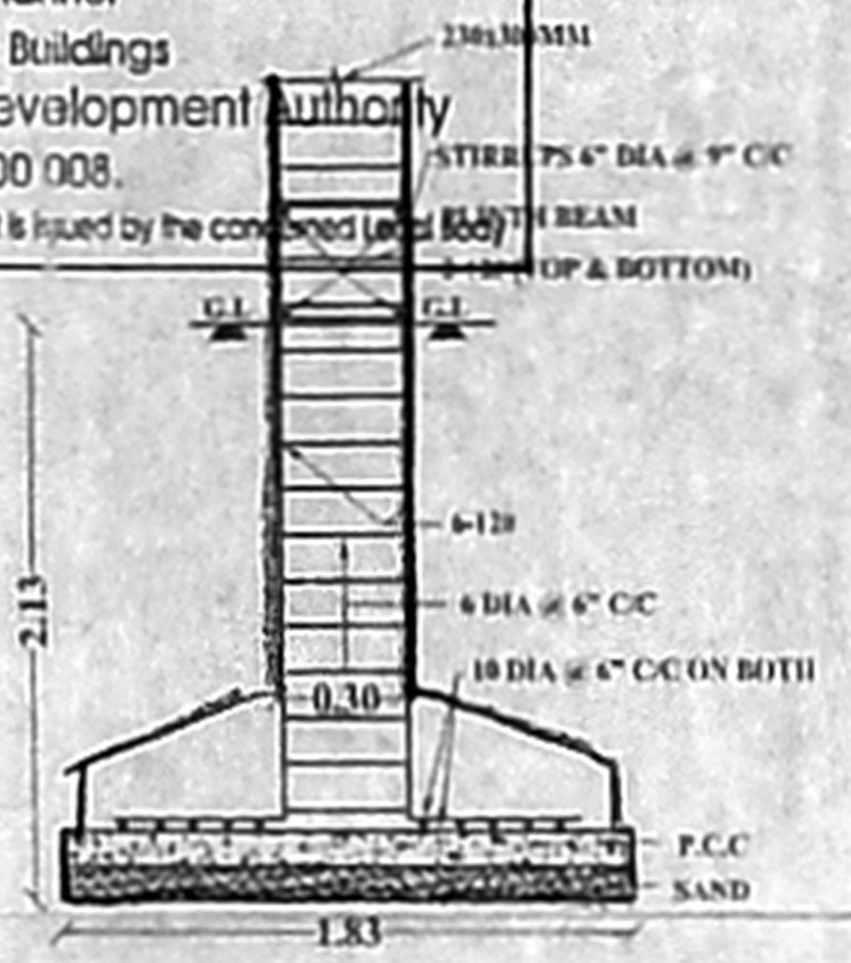
ELEVATION



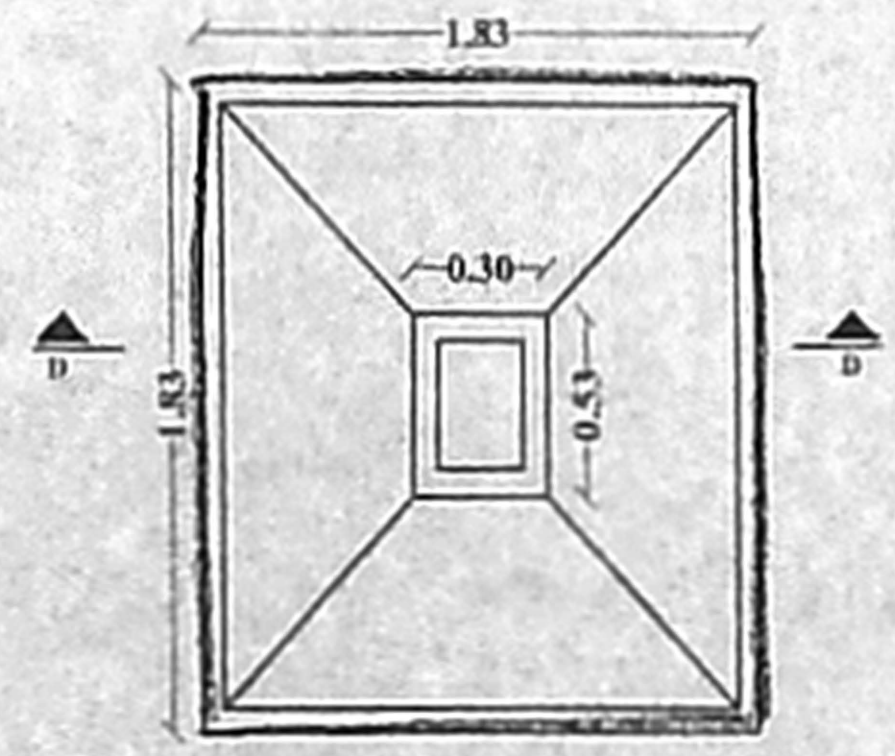
SECTION ON 'B-B'



SEPTIC TANK WITH UPFLOW FILTER SYSTEM



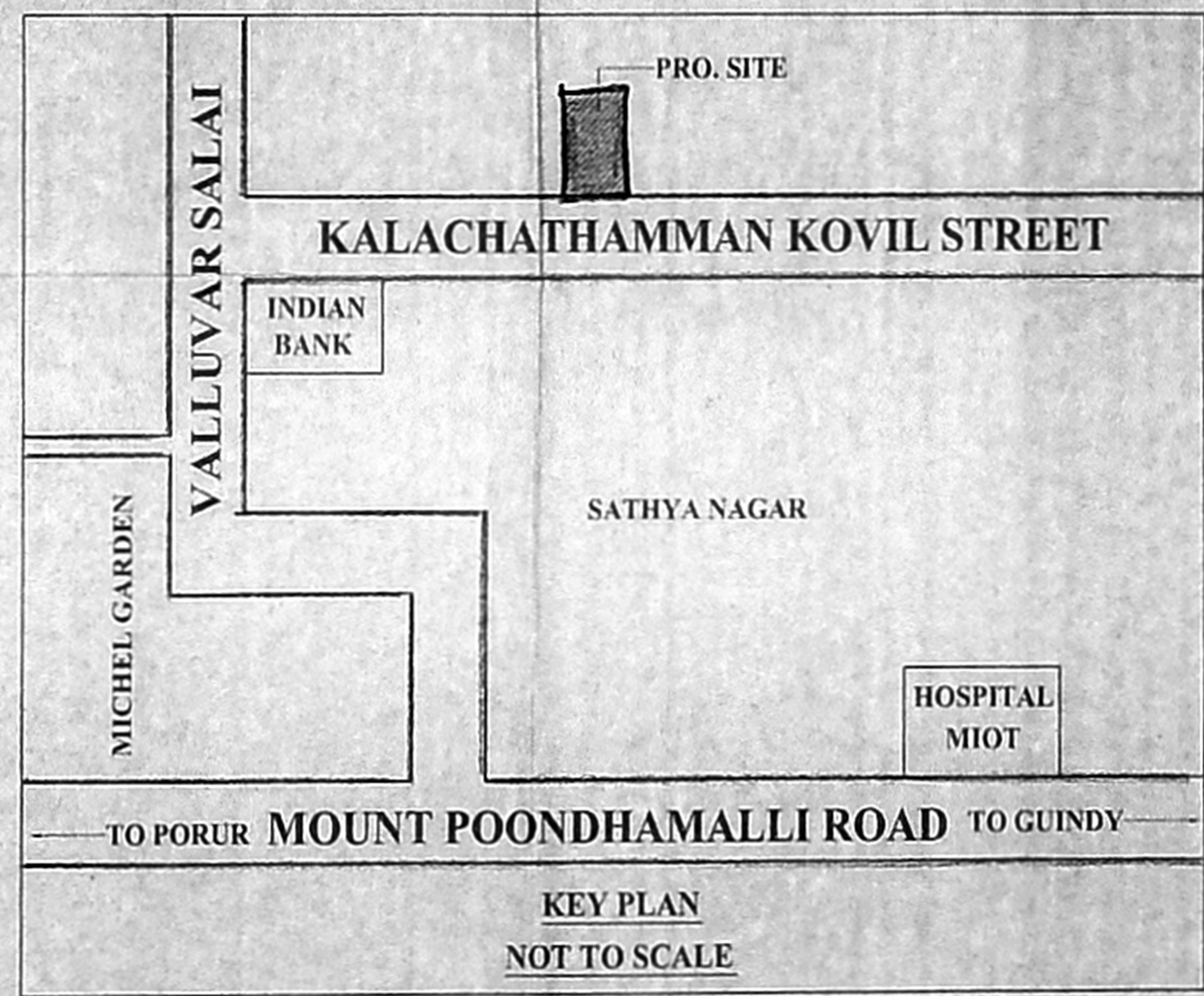
SECTION D-D



FOUNDATION DETAILS

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER:
FSI AREA = 4639.65 Sq.m
 No of Dwelling - 40
 No of Users - 40x5=200
 No. of fixtures in Units - 40 Nos
 Discharge Assuming King's
 Factor of GLPM/No - 40x6 = 240LPM
 0.92
 Septic tank surface area = 240x0.1 = 22.08 Sq.m
 10
 Volume of free board = 22.08 x 0.3 = 6.624 Cu.m
 Volume of digestion = 200 x 0.032 = 6.40 Cu.m
 Volume of sludge = 200 x 365 x 0.0002 = 14.6 Cu.m
 Volume of sedimentation = 22.08 x 0.3 = 6.624 Cu.m
 Total Volume = 56.328 Cu.m
 Depth of Septic Tank - 56.328/22.08 = 2.55m
 Size of Septic Tank - 3.50x6.50x2.55m

UPFLOW FILTER
 Upflow capacity required = 200x0.04 = 8.00Cu.m
 Depth Assumed = 2.00m
 Hence area of final effluent
 Surface required = 4 Sq.m
 Size of final effluent collection sump
 Required = 3.50x2.50x2.55m
 Peak Discharge - 240LPM
 Volume - 240x0.043 = 10.32
 Depth - 2.85-0.30 = 2.55
 Area required 10.32 = 4.00
 2.55
 Size of up flow filter I = 3.50x2.00x2.55m
 Size of up flow filter II = 3.50x2.00x2.55m
 The Clean outlet water from filter shall be used for gardening.



**KEY PLAN
NOT TO SCALE**

NORTH POINT:

- SPECIFICATIONS:**
1. ROOF SLAB IN R.C.C M25 GRADE, 11cm THICK
 2. BRICK WORK IN C.M 1:5
 3. R.C.C COLUMN IN M25 GRADE
 4. PLINTH BEAM IN R.C.C M25 GRADE
 5. WALL PLASTERING IN C.M 1:5, 12mm THICK
 6. CEILING PLASTERING IN C.M 1:3, 12mm THICK
 7. PARAPET WALL IN C.M 1:5, 1.00m HEIGHT
 8. VITRIFIED TILES FLOORING
 9. TEAK WOOD DOOR FRAMES & FLUSH DOOR SHUTTERS
 10. UPVC SLIDING WINDOWS WITH 4mm THICK GLASS
 11. WEATHERING COURSE-BRICK JELLY CONCRETE LAID WITH PRESSED CLAY TILES

AREA DETAILS IN 'SQ.M'

1. EXTENT AS PER PATTA :	2240.00
2. EXTENT AS PER DOCUMENT :	2229.65

FLOOR	No. OF UNITS	NET FSI AREA
Stilt Floor	-	-
First Floor	8	927.99
Second Floor	8	927.99
Third Floor	8	927.99
Fourth Floor	8	927.99
Fifth Floor	8	927.99
Total	40	4639.65

FSI PROVIDED = 4639.65 / 2229.65 = 2.081

COLOR INDEX:

Proposed Building	
Road Limits	
Site Boundary	

For SANGAVAI CONSTRUCTIONS PVT LTD
 Director
APPLICANT'S SIGNATURE

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