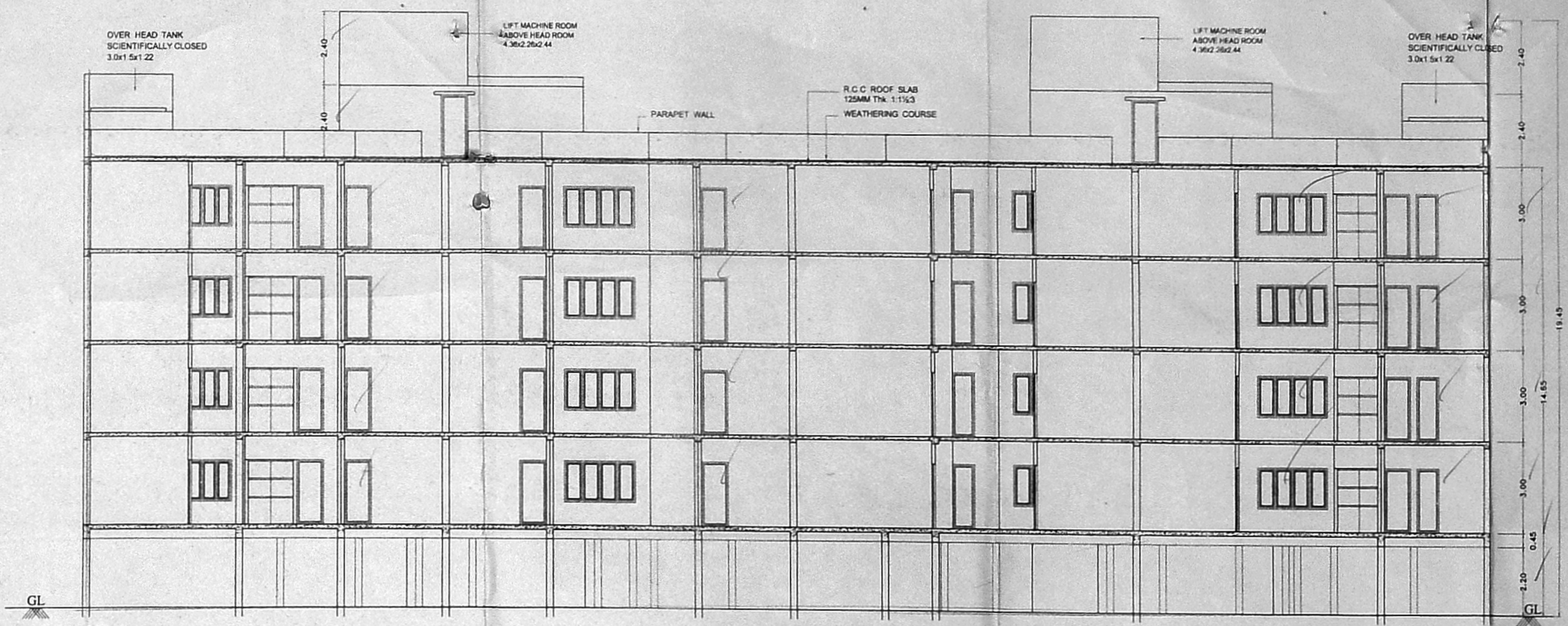
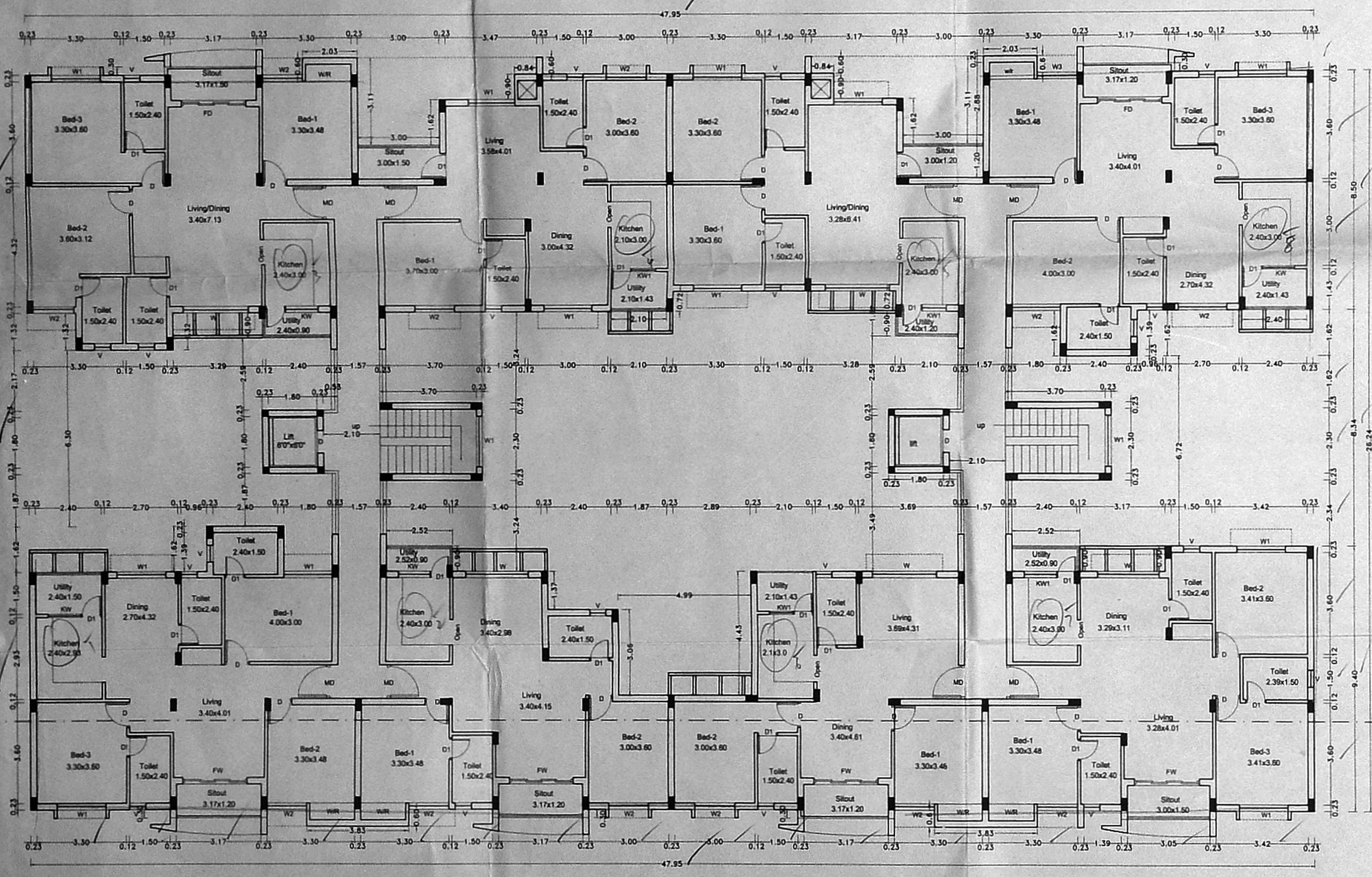


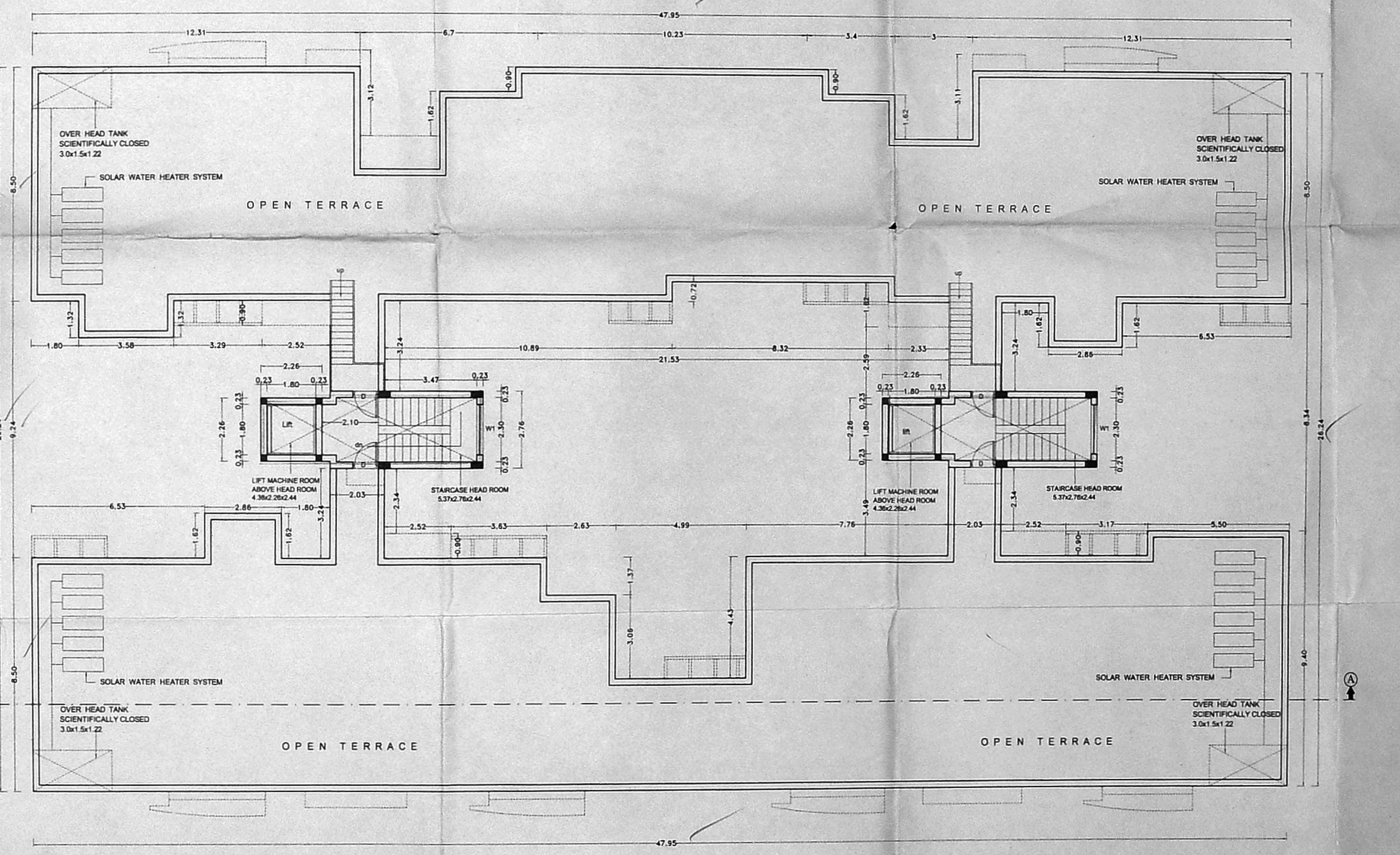
ELEVATION



SECTION ON A - A



TYPICAL FLOOR PLAN  
(FIRST, SECOND, THIRD & FOURTH FLOOR) - 8x4 = 32



TERRACE FLOOR PLAN

**SCHEDULE OF FINISHERY**

TYPE	DETAIL	SIZE
MD	DOOR	3'3" x 7'0"
W	WINDOW	3'0" x 7'0"
W	WINDOW	6'0" x 7'0"
W	WINDOW	6'0" x 4'6"
W	WINDOW	4'6" x 4'6"
W	WINDOW	3'0" x 2'0"

**SPECIFICATION:-**

- FOUNDATION: COLUMN FOOTING
- BRICK WORK: C.M 1:5 FOR SUPER STRUCTURE
- PLASTERING: C.M 1:5 FOR WALLS & 1:3 FOR CEILING
- CEMENT PAINT: 2 COATS FOR WALLS & 1 EXTRA COAT FOR CEILING
- R.C.C: 1:1 1/3 FOR SLABS & LINTELS
- WOOD WORK: ALL WOOD WORKS IN BEST QUALITY TIMBER
- WEATHERING: B.JELLY LIME MORTAR OVER ROOF SLAB ONE LAYER OF COUNTRY TILES

COLOUR INDEX:-

PROPOSED

ROAD

BOUNDARY

SCALE : 1" = 8'-0" (1:100)

OWNERS SIGNATURE

SIGNATURE OF LICENSED SURVEYOR

B. ATHIVAMAN, B.L.  
CHAR. ERD ENGINEER  
Class 1 L.ensed Surveyor-No.  
C. parition of Chennai  
5, Nallur road 5<sup>th</sup> ward, T. N. C.  
Chennai-17. Ph: 2815604  
Mobile: 3103844



**SEPTIC TANK CALCULATION I**

No. of Dwellings units = 32 NOS

**NO. OF USERS**

No of users = 32x5 = 160 NOS  
As per Govt of India Manual Adopting a peak factor of 6

**PEAK DISCHARGE**

= 6x2x32 = 384 Liters/ Minutes

Ration assumed = 1:3

Coeff = 0.92

Surface area of Septic tank =  $\frac{384 \times 0.92}{10} = 35.33$  say 36 Sqm

Provided = 3.6 X 10 = 36 Sqm

**LIQUID DEPTH**

Volume of sedimentation = 36 X 0.30 = 10.8 Cum

Volume of Sludge storage = 160 X 0.0002 X 36.5 = 1.160 Cum

Volume of Digestion = 160 X 0.032 = 5.12 Cum

Total Volume = 17.080 Cum

Liquid Depth =  $\frac{\text{Volume}}{\text{Surface area}} = \frac{17.080}{35.33} = 0.48$  Cum.

Inlet Pipe invert level assuming a gradient of 1 to 80 strating from first chamber = 0.61M

Total Liquid Depth = 0.51+0.61 = 1.12 M

Say = 1.2 M

Size of tank = 10.00 X 3.00 X 1.2M

**UPFLOW FILTERS**

No of users = 160 NOS

Volume of liquid = 160 X 0.045

Depth = 1.2M - 0.3 = 0.92

Area of filters =  $\frac{5.85}{0.9} = 6.5$  Sqm

Say = 6.75 Sqm

Over all Size = 2.25X3.00X1.2M

Upflow Filter = 2.25X3.00X1.05M

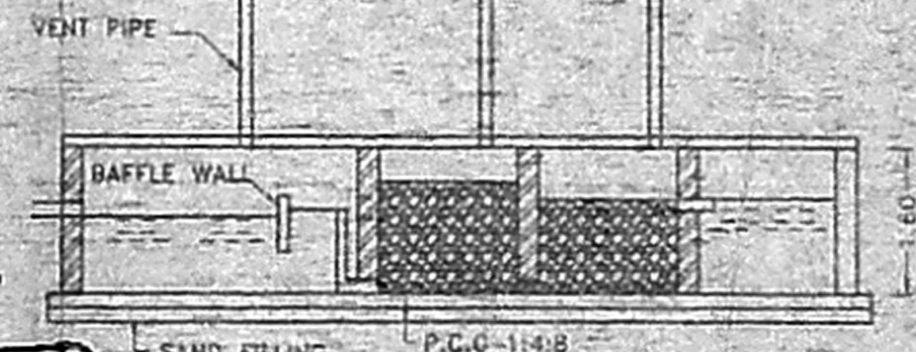
Upflow Eller = 2.25X3.00X0.90M

**அலுவலகப் படம்**

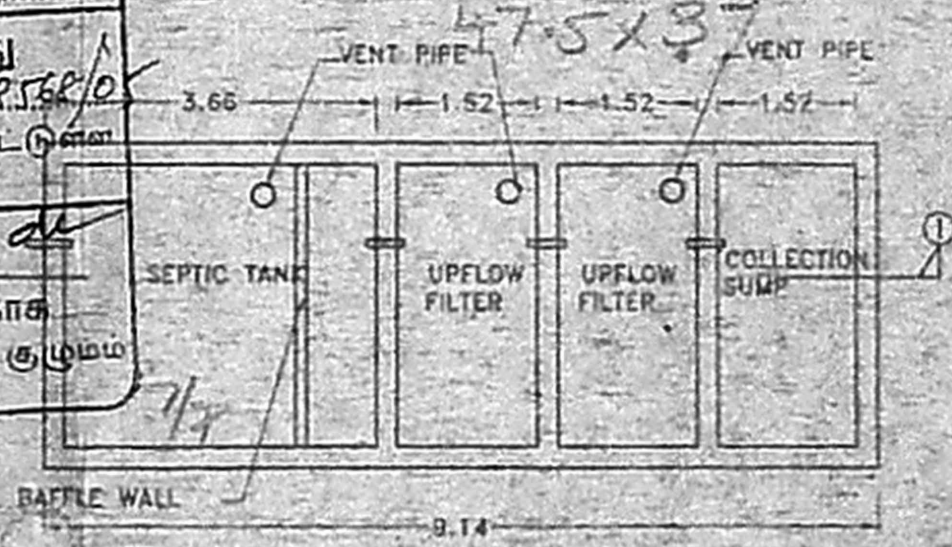
வாரிய அனுமதி எண்  
B/38.28/25 c/c பக்கம்  
ஒப்பளிக்கப்பட்டது  
அலுவலகக் கட்ட எண் B2/28.56/05  
25.60 குறிப்பிடப்படாத  
பணிகளுக்கு உட்பட்டது  
உறுப்பினர் செயலருக்காக  
செலவைப் பொருள்கள் வளாசிக் குழுமம்  
சென்னை - 600 008

பிழிந்திய வளாபலம்  
நாள் 10.4.06

செ. பெ. வ. கு. (பி) எண்  
ந. எண் B2/28.56/05  
உதவி எண்  
கூர்ந்தாய்வு  
தி. உ. 12/1/06  
உ. தி. அ. 12/1/06



**SECTION ON I-1**



**SEPTIC TANK**

OWNER SIGNATURE  
N. Ethirajan  
25/04/2006  
N. ETHIRAJAN, D.C.E.,  
Civil & Sanitary Engineering Contractor,  
LICENSED PLUMBER CLASS - I  
METRO WATER & DRAINAGE BOARD,  
NO. 39, RAMANATHAN STREET,  
AYANAYARAM, CHENNAI - 600 023/08

CONSTRUCTION OF RESIDENTIAL BUILDING AT PLOT No. C (PLOT Nos. 18, 19, 20 & 21 OF APPROVED LAYOUT No. P.P.D/L.O No. / 123 / 88) S. No. 405 / 8A7A3, OF OKKIAM THORAIPAKKAM VILLAGE, SAIDAPET TALUK, KANCHEEPURAM DISTRICT. ST. THOMAS MOUNT PANCHAYAT UNION