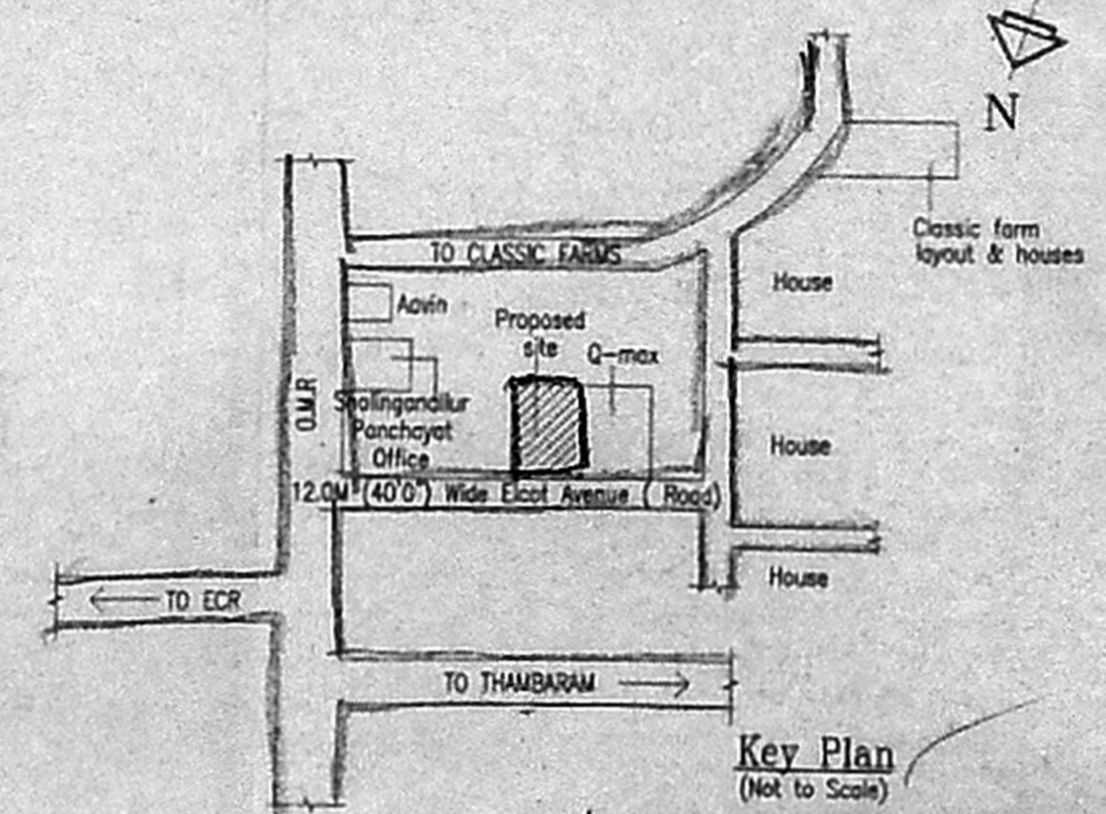
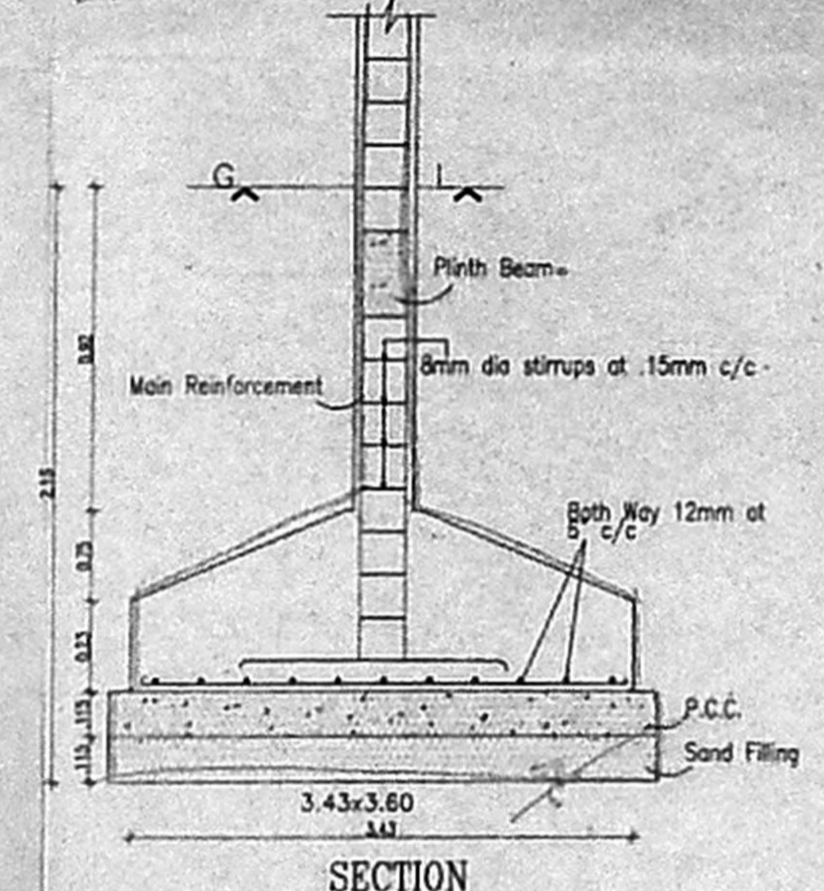


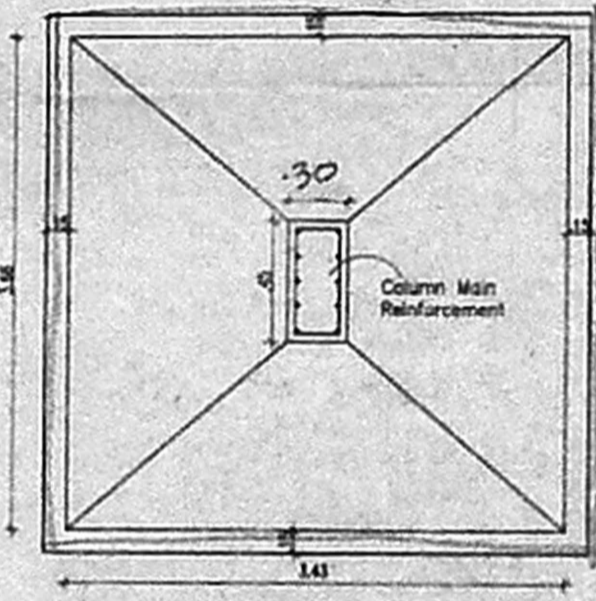
அலுவலகம்  
Plan of Sump  
(Metro water sump)



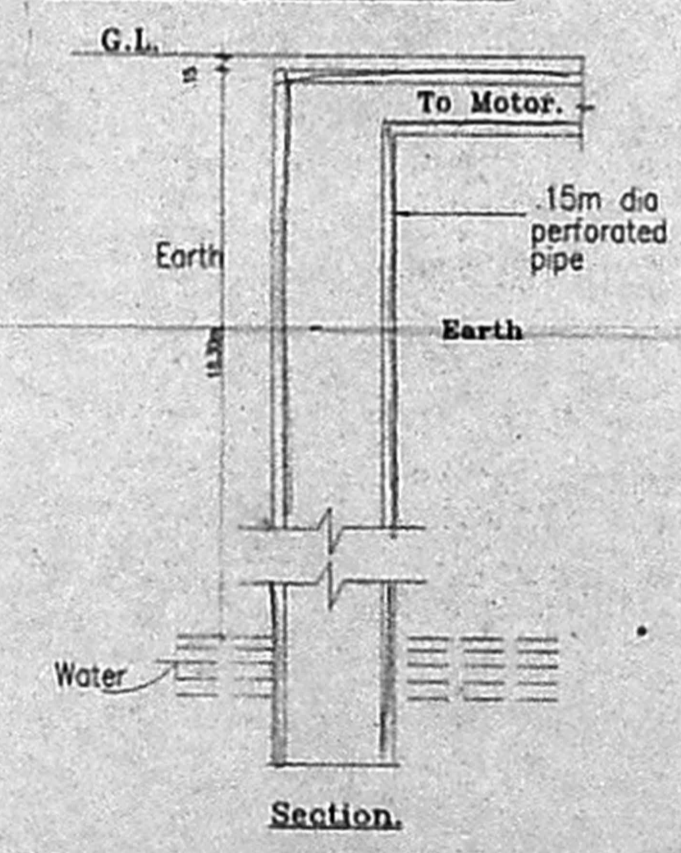
Key Plan  
(Not to Scale)



SECTION



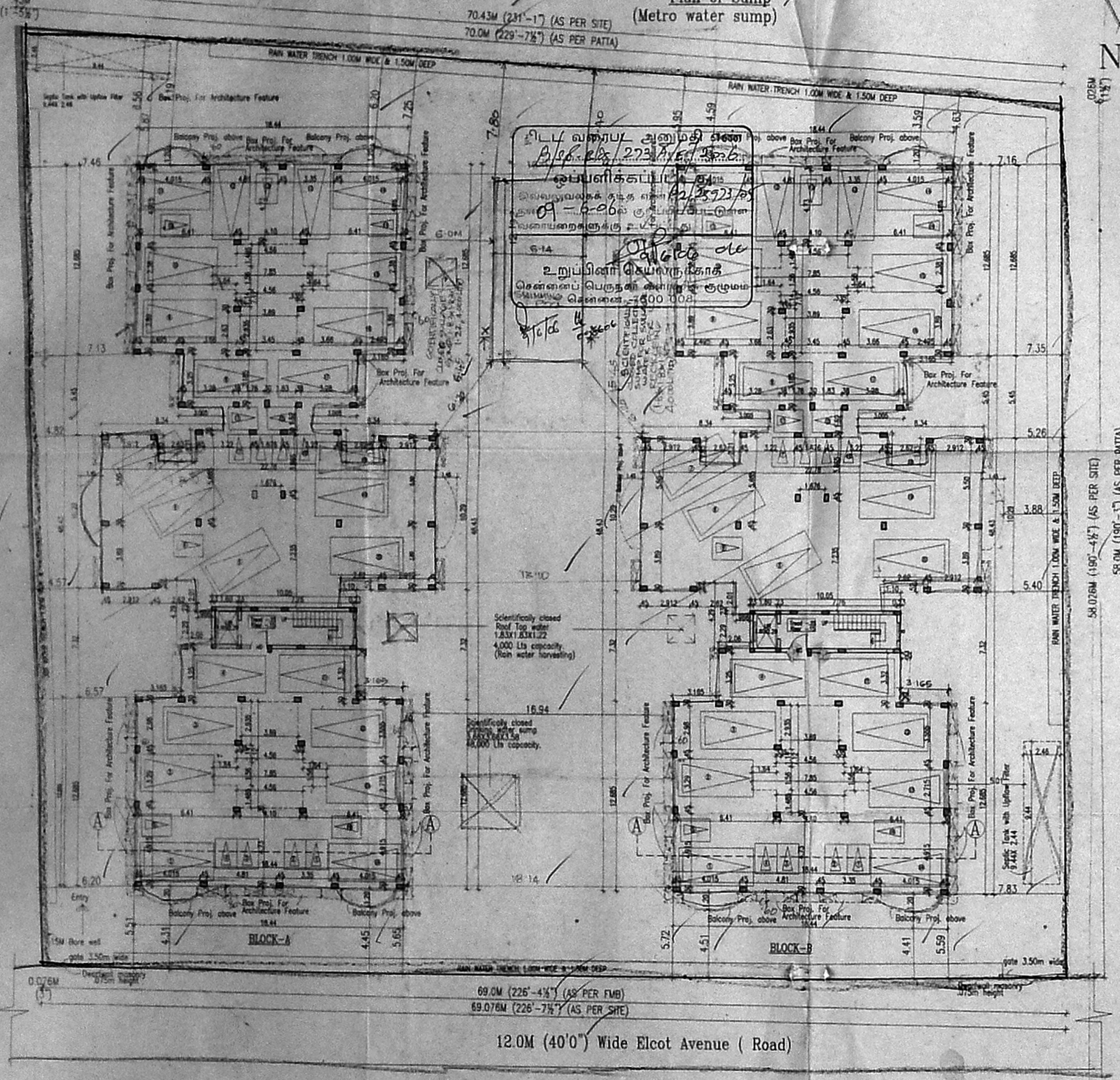
PLAN  
Column Foundation detail



Section



Plan  
Bore Well Detail



SITE PLAN

திருத்திய வரைபடம் I  
தளம் 1/2500  
செ. பெ. வ. கு. (பி) எண் 82/19973/25  
தி. 2.  
சு. அ. சி. சி.

Area Statement (BLOCK-A & BLOCK-B)

	(sqm)
Plot Area (As per FMB)	4200.0
Stilt Floor Area	27.64 X 2 = 55.28
First Floor Area	778.39 X 2 = 1556.78
Second Floor Area	778.39 X 2 = 1556.78
Third Floor Area	778.39 X 2 = 1556.78
Fourth Floor Area	778.39 X 2 = 1556.78
Total Floor Area	6282.40
Parking Area	731.894 X 2 = 1463.788
F.S.I Allowed	1.50 Times = 6300 sqm
F.S.I Achieved	1.496 Times = 6282.40 sqm
Plot Coverage	37.07%

- Specifications:
- Foundation : Column footing foundation.
  - Flooring : Mosaic Flooring
  - Super Structure : B.W in C.M 1:5
  - R.C.C. Work : For Lintel, Beams, sunshade, Roof, etc., with required thickness cement concrete used M-25 grade
  - Weathering course : Brick jelly lime conc. below
  - Joinery : Doors : Main door Teak wood, other doors : Indian Country Wood Panel doors
  - Windows : Aluminium sliding window
  - Ventilator : Aluminium Louvered
  - Finishes : Exterior & interior painted with cement point.

PLAN SHOWING THE PROPOSED RESIDENTIAL BUILDING AT SHOLINGANALLUR, CHENNAI.  
SURVEY NO AS PER DOCUMENT & PATTI  
439/1A1A1A2, 439/1A1A1A3, 439/1A1A1A4 & 439/1A1A1A5  
VILLAGE: SHOLINGANALLUR,  
TALUK: TAMBARAM,  
DISTRICT: KANCHEEPURAM

All Dimensions are in Metre.  
Scale : 1:200  
Sheet No - 1/4

Colour Index  
\*Proposed [Symbol] Water Line [Symbol]  
Boundary [Symbol] Sewer Line [Symbol]  
Road [Symbol]

75x51.2  
Siva Anbarasan

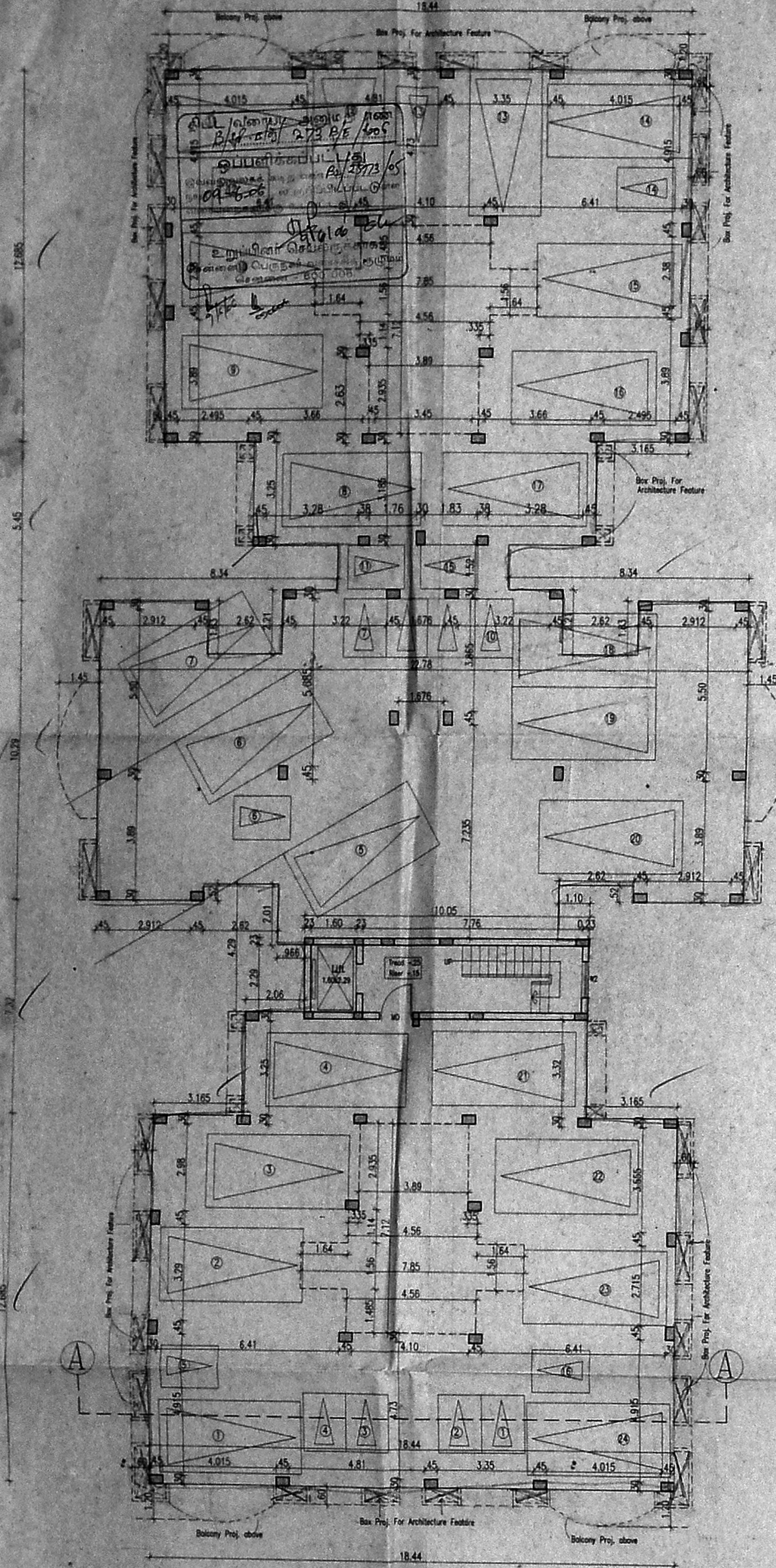
Power Agent's Signature

Siva Anbarasan

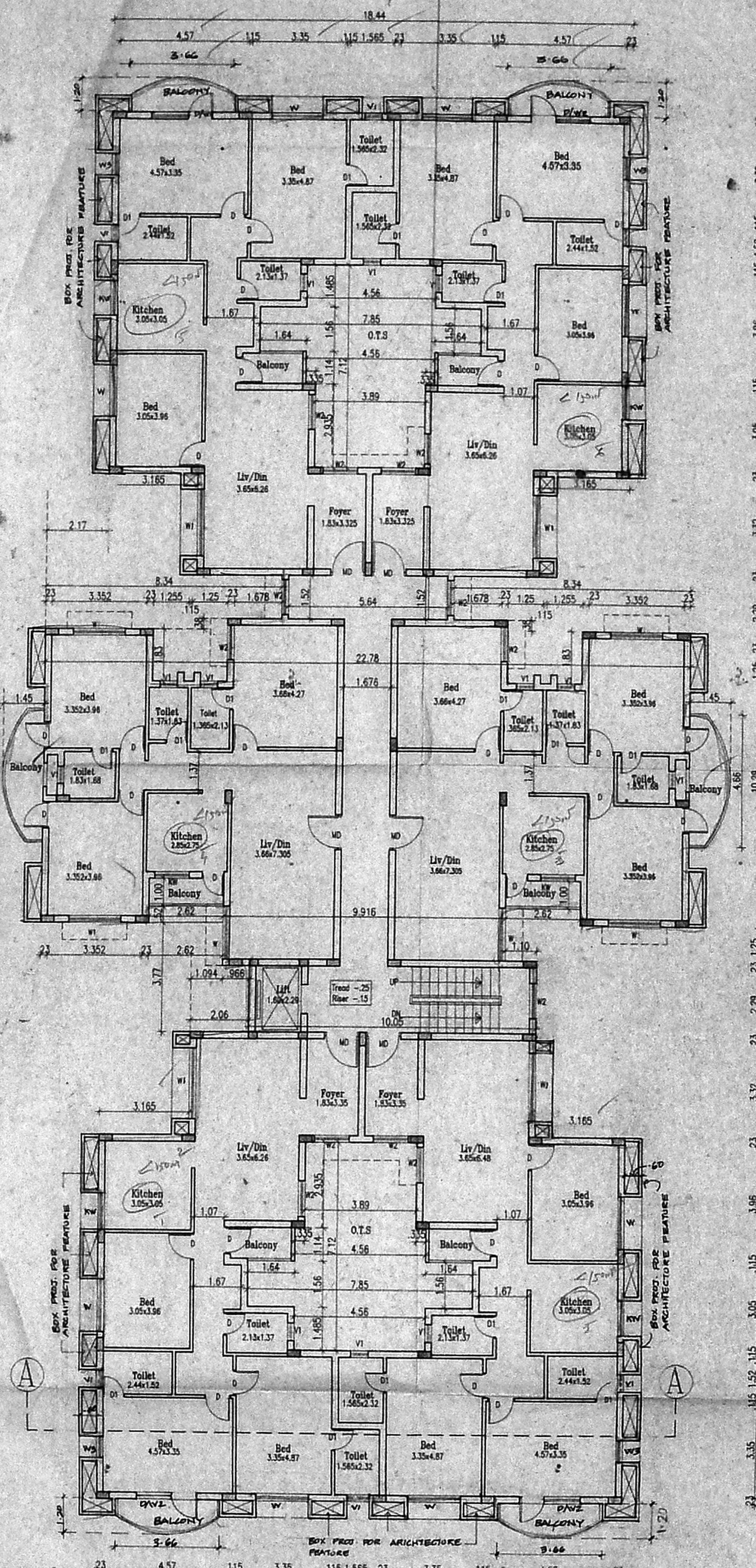
SIVA ANBARASAN  
M Arch (U.S.A., England), A.I.T.A.,  
Regd. Architect, C.A. No. 10789, R.A. No. 191  
53, 5nd Fl., 43, Pantheon Rd, Egmore,  
Chennai 6. Ph 8554262, 8550288.

Architects Signature.

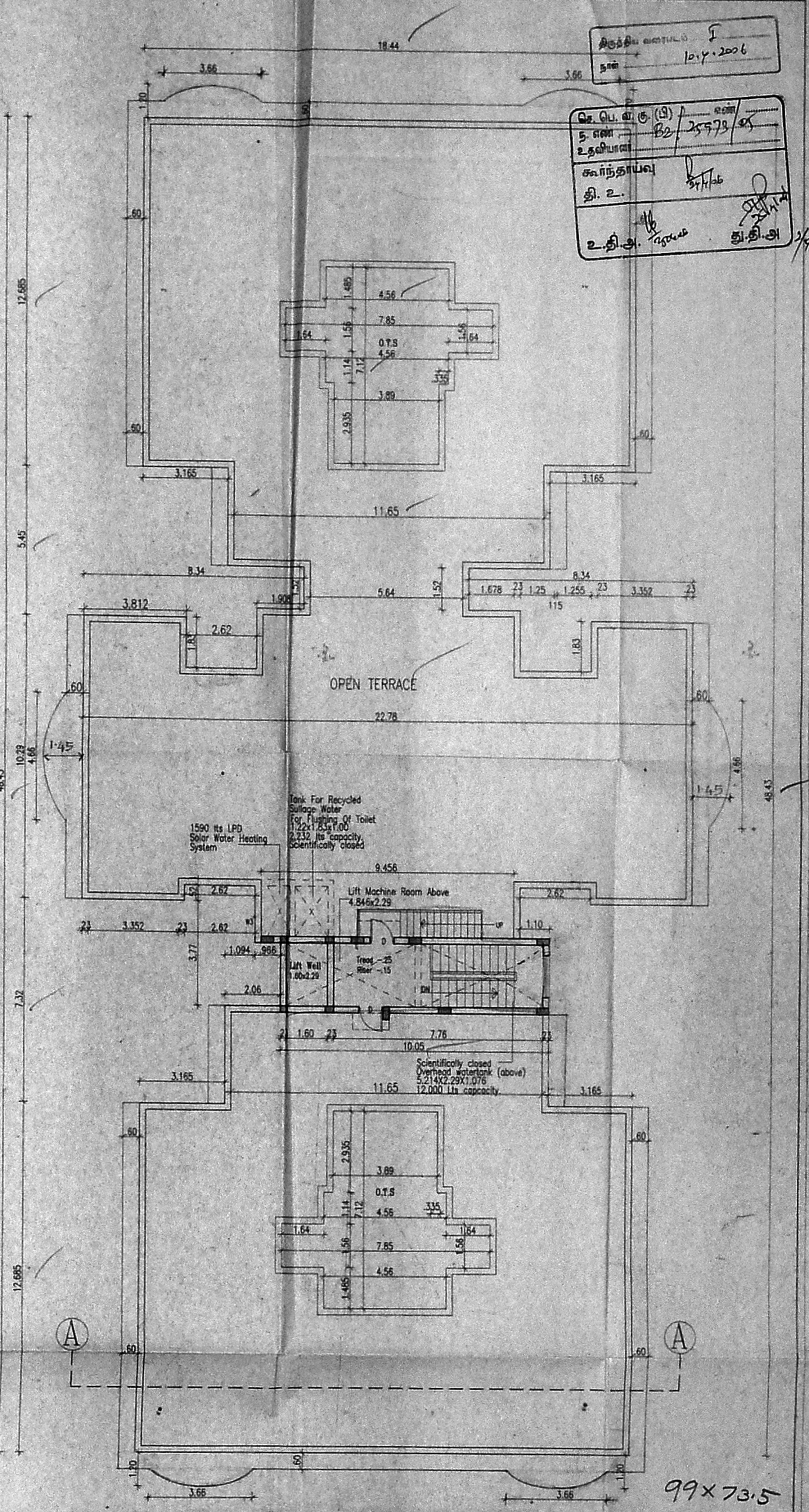
அலுவலகப் படி.



Stilt Floor plan  
BLOCK A&B



Typical Floor plan  
(2nd, 3rd & 4th)  
BLOCK A&B



Terrace Floor plan  
BLOCK A&B

சென்னை மாநகராட்சி  
10.12.2006  
பெ.பெ.எ.கு.(3) எண்  
5-8881-25773-85  
உதவிப்பணி  
சுமந்திராபதி  
தி.உ.  
உ.தி.அ. ரமணி

PLAN SHOWING THE PROPOSED  
RESIDENTIAL BUILDING AT  
SHOLINGANALLUR, CHENNAI.  
SURVEY NO. AS PER DATA & DOCUMENT  
439/1A1A1A2, 439/1A1A1A3, 439/1A1A1A4 & 439/1A1A1A5  
VILLAGE - SHOLINGANALLUR  
TALUK - TAMBARAM  
DISTRICT - KANCHEEPURAM

Specifications.  
Foundation : Column footing foundation.  
Flooring : Mosaic Flooring  
Super Structure : B.W in C.M 1:5  
R.C.C Work : For lintel, Beams, sunshade, Roof, etc.,  
with required thickness cement  
concrete used M-25 grade  
Weathering course : Brick jolly lime conc. below weathering  
Joinery : Main door: Teak wood  
other class: Indian Country wood finished doors,  
windows, ventilators, sliding windows,  
ventilators.  
Finishes : Exterior & interior painted  
with cement paint.

Schedule of Joineries.  
MD 1.07 X 2.13 Main Door (Teakwood)  
D 0.90 X 2.13 paneled Door  
D1 0.76 X 2.13 Door  
W 1.83 X 1.37 All Sliding Window  
W2 1.22 X 1.37 Window  
W3 0.76 X 1.37 Window  
KW 1.22 X 1.07 Window  
V1 2.40 X 1.97 Window  
V2 0.76 X 0.60 Louvered Ventilator

All Dimensions are in Metre  
Scale 1:100  
N

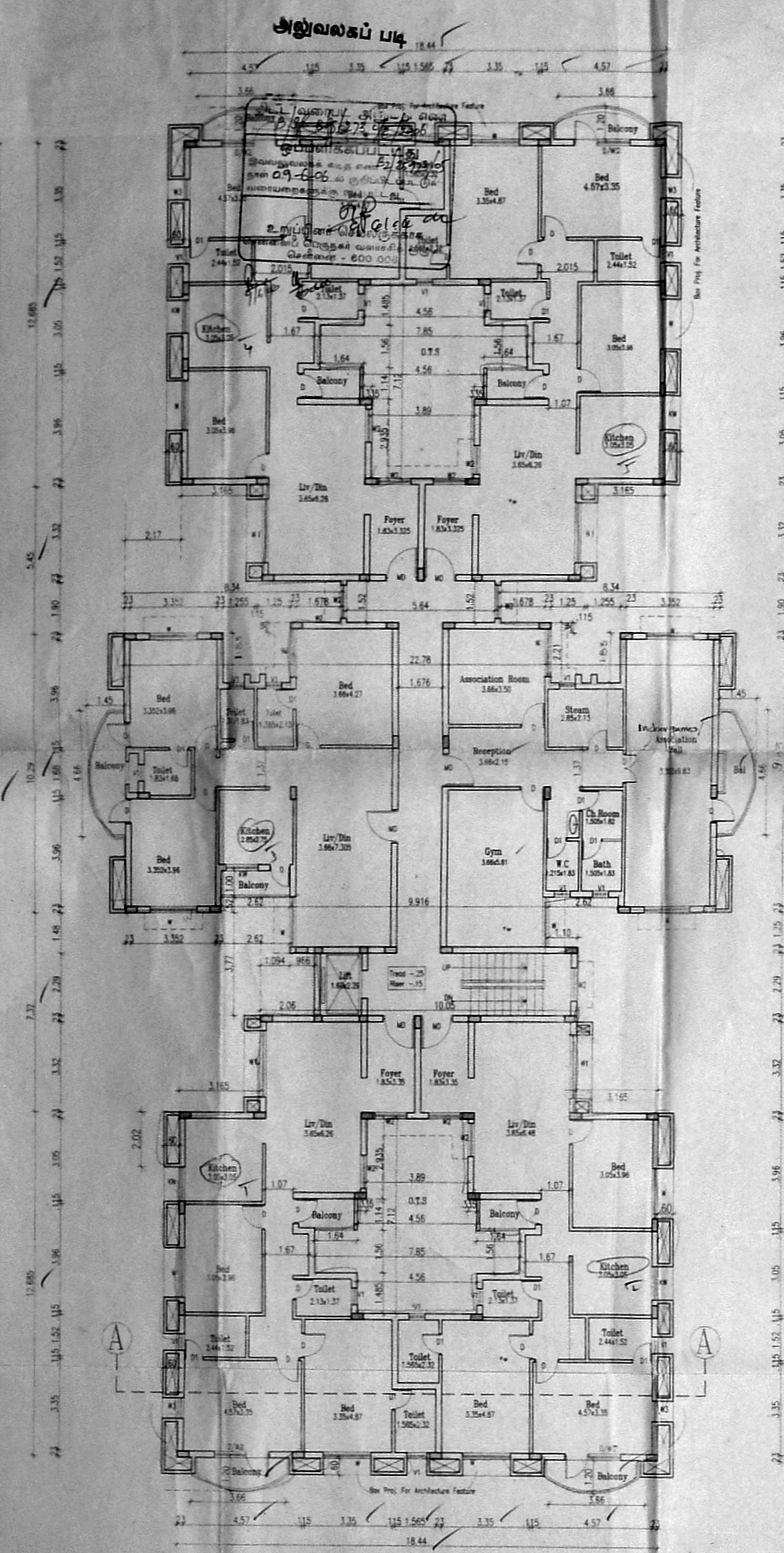
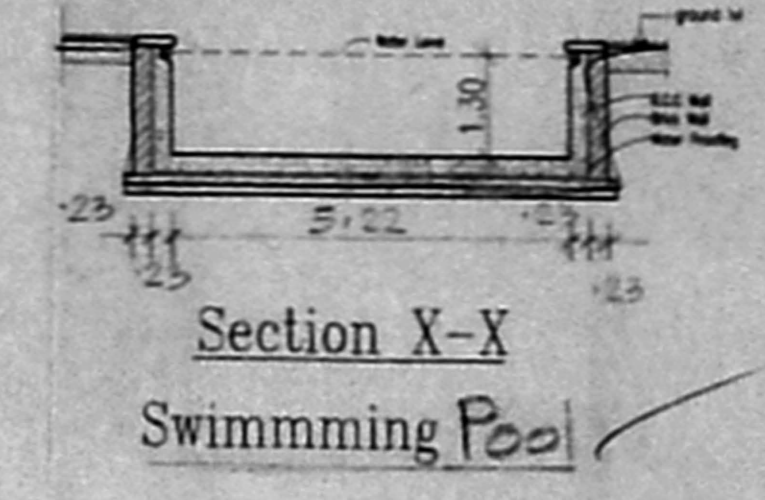
Colour Index  
Proposed  
Sheet No. 2/4  
Proprietor's Signature

Architects Signature.  
SIVA ANSARASAN  
Architects, Chennai

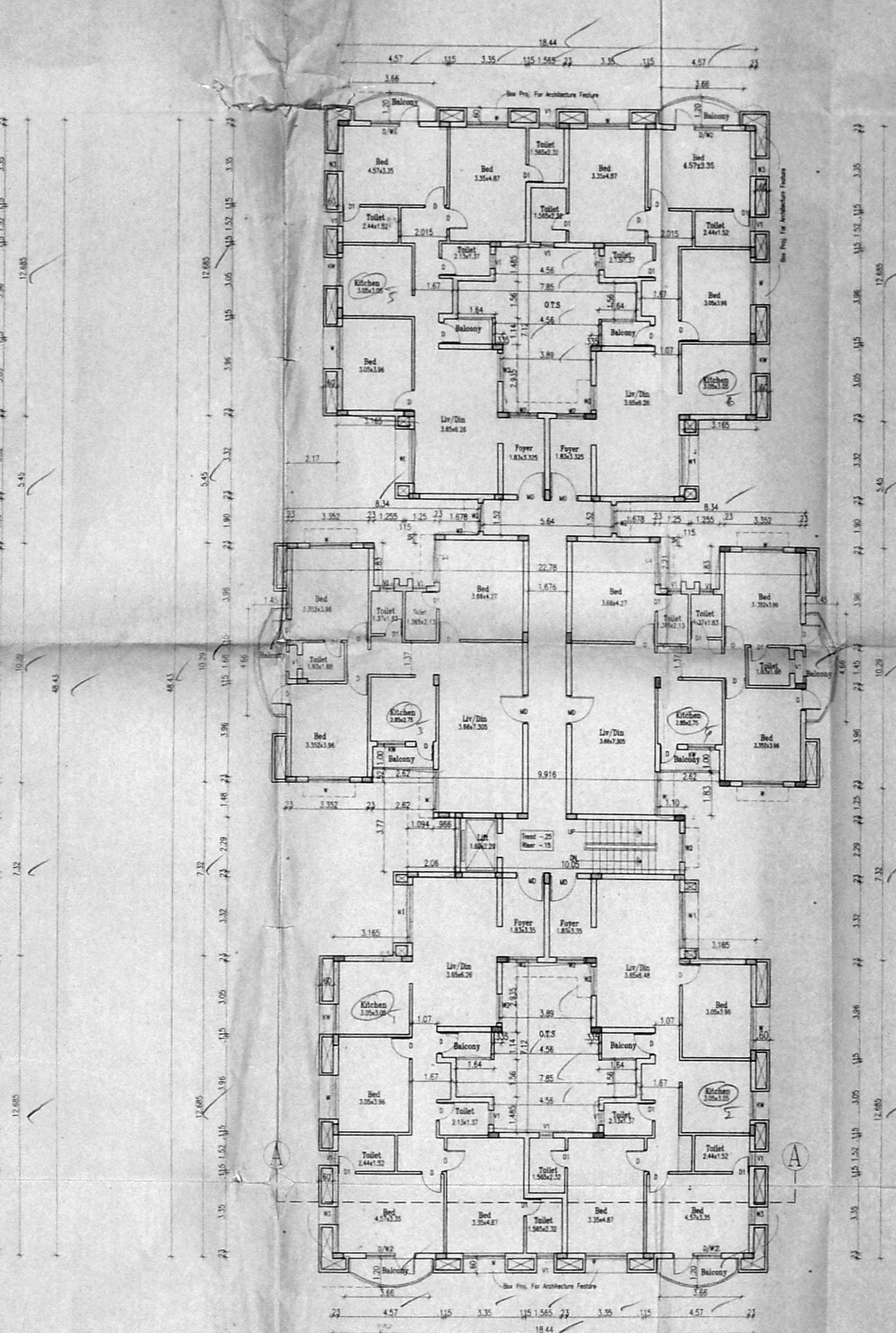
சென்னை மாநகராட்சி  
 திட்டம் 10.7.006

செ. பெ. யு. எ. (பி)  
 த. எ. 10/2597/10  
 கட்டுமானப் பணி  
 தி. 2.  
 உ. எ. 10/2597/10

77.5x



First Floor plan  
 BLOCK-B 5 2/3 x 120.4



First Floor plan  
 BLOCK-A 6 2/3 x 120.4

101 x 78

PLAN SHOWING THE PROPOSED RESIDENTIAL BUILDING AT SHOLINGANALLUR CHENNAI  
 SURVEY NO. 48 PER PATTI & DOCUMENT 430/1A1A2 430/1A1A3 430/1A1A4 430/1A1A5

VILLAGE - SHOLINGANALLUR  
 TALUK - TAMBARAM  
 DISTRICT - KANCHI PURAM

**Specifications.**  
 Foundation: Column footing foundation.  
 Flooring: Mosaic Flooring  
 Super Structure: B.W in C.M 1:5  
 R.C.C. Work: For Lintel, Beams, sunshade, Roof, etc., with required thickness cement concrete used M-25 grade  
 Weathering course: Brick jolly lime conc below the weathering slab  
 Joinery: Windows: Main doors: Indian country wood painted  
 Aluminium window  
 Aluminium door  
 exterior & interior painted with cement paint

**Schedule of Joineries.**

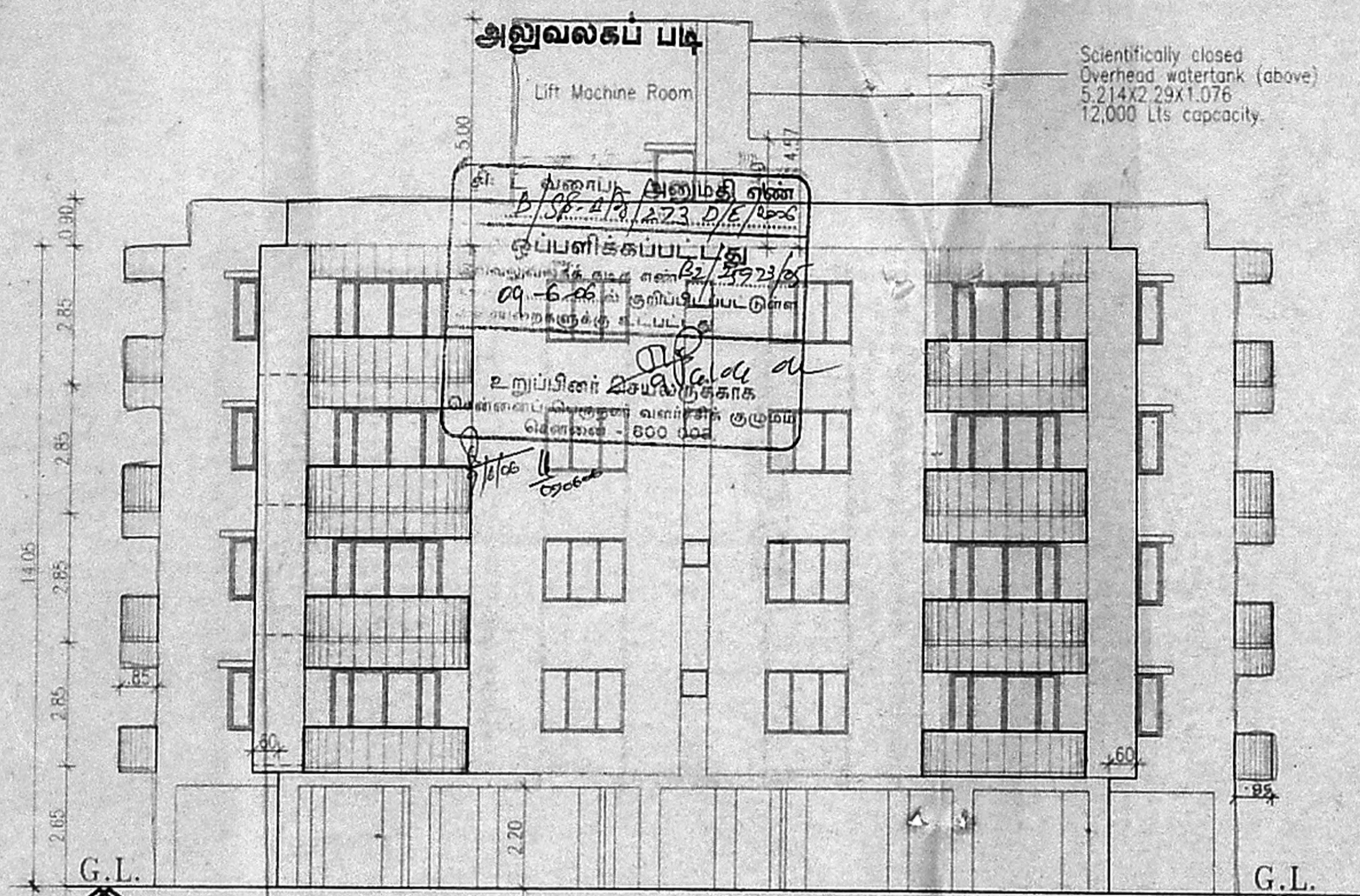
MD	1.07 X 2.13	Main Door (wood)
D	0.90 X 2.13	Panelled Door
D1	0.76 X 2.13	Door
W	1.83 X 1.37	Alu Sliding Window
W1	2.40 X 1.37	Window
W2	1.22 X 1.37	Window
W3	1.22 X 1.07	Alu Sliding Window
W5	0.76 X 1.57	Window
V1	0.76 X 0.60	Alu Louvered Ventilator

BLOCK-A & BLOCK-B Sheet No. 3/4  
 All Dimensions are in Metre  
 Scale 1:100

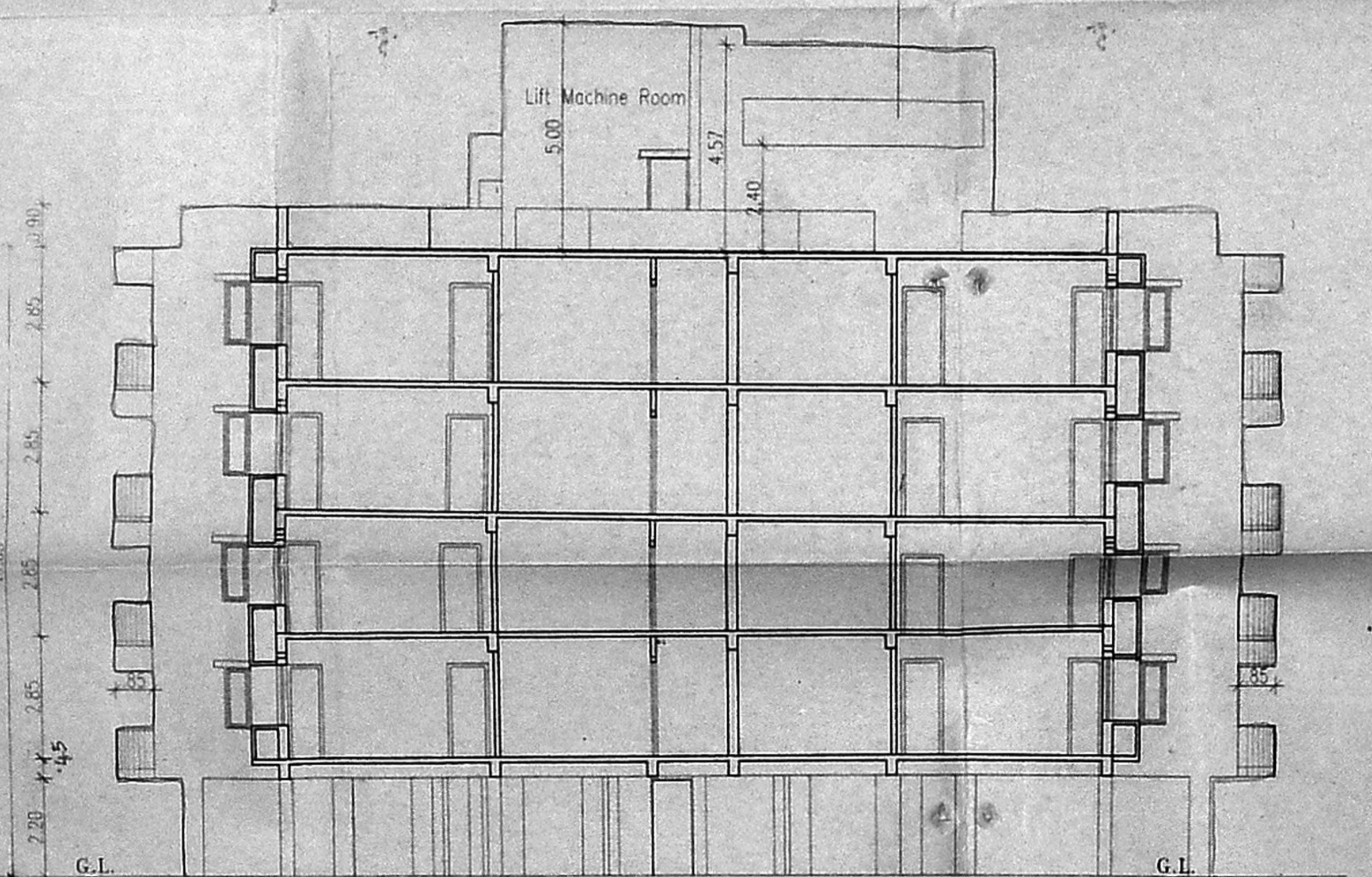
Colour Index  
 Proposed

Power Agent's Signature  
 Architects Signature

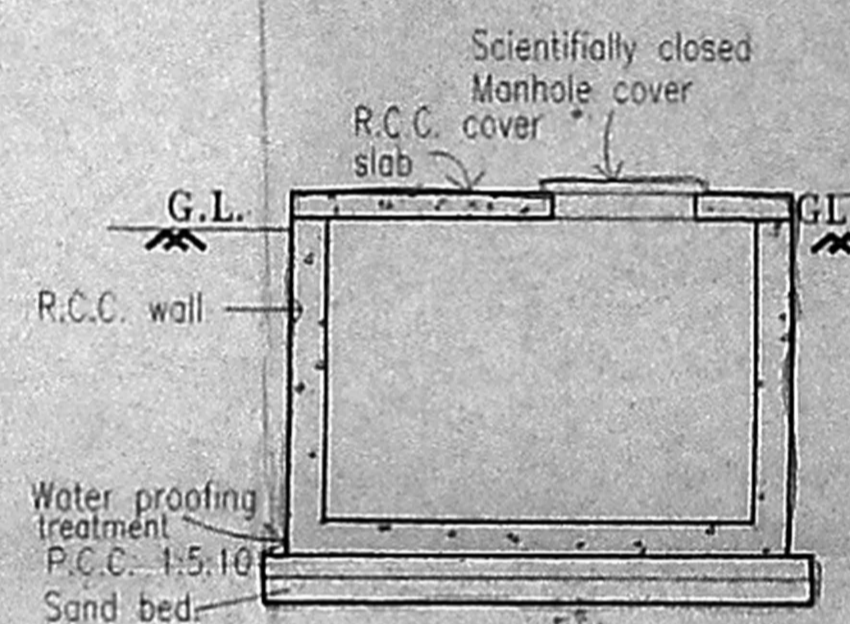
SIVA ANBARASAN  
 M. Arch (U.S.A., England), A.I.A.,  
 Regd. Architect C.A. No. 11795, R.A. No. 194,  
 53, 5th Fl., 43, Pantheon Rd., Egmore,  
 Chennai - 6. Ph. 855432, 855984



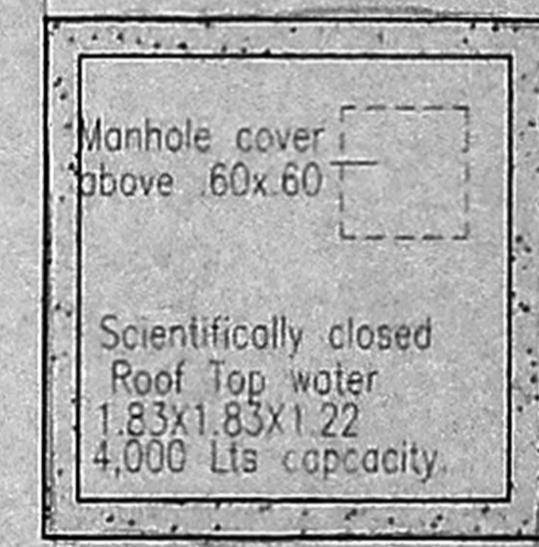
FRONT ELEVATION  
BLOCK-A & BLOCK-B



SECTION A-A  
BLOCK-A & BLOCK-B



Section of Sump.



Plan of Sump  
(Rain water harvesting & roof top water collection sump)  
&  
COLLECTION SUMP OF GULLAGE WATER

சிறுத்திய வரலாறு 2  
 நாள் 10.5.2006  
 செ. பெ. வ. கு. (பி) எண்  
 ந. எண் E2/25578/05  
 உதவியாளர்  
 கார்த்தாயவு  
 தி. உ. [Signature]  
 உ. தி. அ. [Signature]

Specifications.  
 Foundation : Column footing foundation.  
 Flooring : Mosaic Flooring  
 Super Structure : B/W in C/M 1:5  
 R.C.C. Work : For Lintel, Beams, sunshade, Roof, etc.,  
 with required thickness cement  
 concrete used M-25 grade  
 Weathering course : Brick jelly lime conc. below  
 Joints Details : Doors - Mahadur : East Wood M  
 other doors - William County wood Panelled doors  
 Windows : Aluminium Sliding Windows  
 Ventilates : Aluminium Louvers  
 Finishes : Exterior & interior painted  
 with cement paint.

PLAN SHOWING THE PROPOSED  
 RESIDENTIAL BUILDING AT  
 SHOLINGANALLUR, CHENNAI

SURVEY Nos AS PER DATA & DOCUMENT  
 439/1A1A1A2, 439/1A1A1A3, 439/1A1A1A4 &  
 439/1A1A1A5

VILLAGE - SHOLINGANALLUR  
 TALUK - TAMBARAM  
 DISTRICT - KANCHEEPURAM

All Dimensions are in Metre. Sheet No 4/4  
 Scale : 1:200

Colour Index  
 Proposed [Line]

[Signature]

75x51.6

Owners Signature.

[Signature]

SIVA ANBARASAN  
 M Arch (U.S.A., England), A.I.A.  
 Regd. Architect, C.A. No. 10709, R.A. No. 131  
 53, Ind Fl. 43, Pantheon Rd, Egmore,  
 Chennai 6. Ph. 8594282, 8550988.

Architects Signature.

# DESIGN OF SEPTIC TANK TWO UP FLOW FILTERS.

- No. of dwellings -- 24 Nos.
- No. of users -- 5X24 = 120nos.
- Rate of water supply is -- 150 LPH/Day.
- Treat flow of sewage per day -- 120x150= 18,000 Lts/Day.
- Detention period is -- 18 Hrs.
- Tank capacity --  $\frac{18,000 \times 18}{24} = 13,500$  Lts.

The tank is to be cleared every year. So the sludge storage capacity of the rate of 15Lts./person/year.

- 120x15 = 1800
- 18000+1800 = 19,000

With provision for future expansion let the total capacity be 19,000 lts. or 19 m<sup>3</sup>

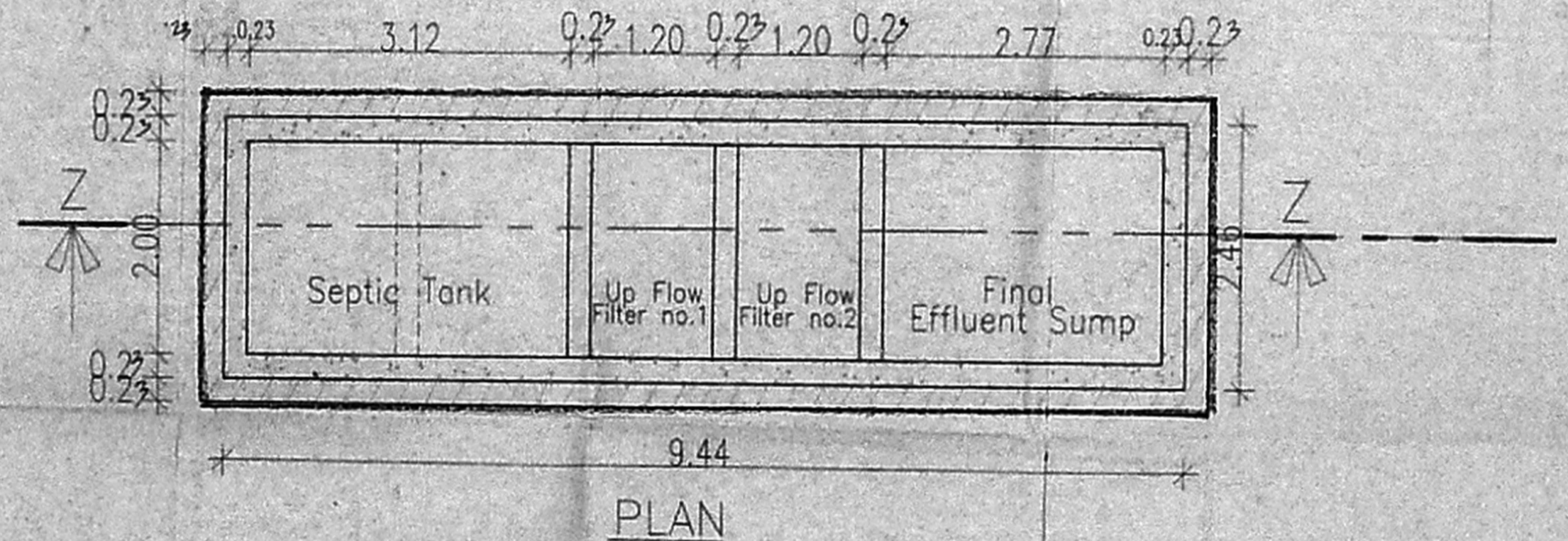
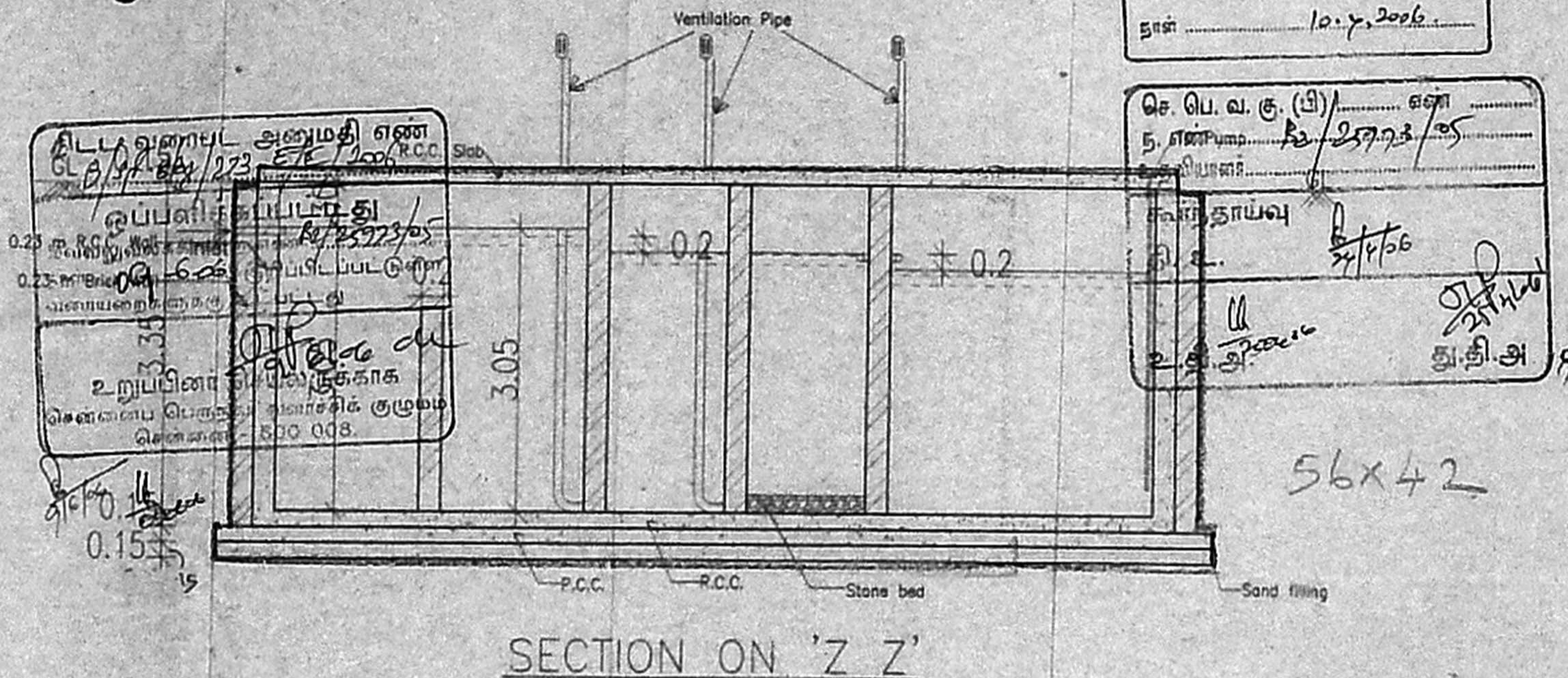
- Septic tank having the capacity of -- 19 m<sup>3</sup>
- Depth of liquid as -- 3.05
- Depth of the Tank --  $\frac{19}{3.05} = 6.23$
- Breadth of the Tank -- 2.00
- Length of the Tank -- 3.12
- Free board of the Tank -- 0.30
- Total depth of the Tank -- 3.05+0.15 = 3.35
- PROVIDE SEPTIC TANK OF THE SIZE -- 3.12x2.00x3.35

## UP FLOW FILTERS

- Discharge for 120persons -- 18,000 Lts.
- Volume -- 18.00x0.98=16.91
- Depth -- 3.20m-0.15m =3.05
- Plan area required --  $\frac{16.91}{3.05} = 5.54$  m<sup>2</sup>
- SIZE OF THE FINAL EFFLUENT SUMP -- 2.77x2.00x3.20
- UP FLOW FILTER NO.1 -- 1.20x2.00x3.20
- UP FLOW FILTER NO.2 -- 1.20x2.00x3.20

# TYPICAL DETAIL OF SEPTIC TANK WITH UPFLOW FILTER

அலுவலகப் படி



PROPOSED RESIDENTIAL BUILDING  
AT SHOLINGANALLUR, CHENNAI.

SURVEY No: AS PER PATTI & DOCUMENT  
439/1A1A1A2, 439/1A1A1A3, 439/1A1A1A4 &  
439/1A1A1A5

VILLAGE -- SHOLINGANALLUR

TALUK -- TAMBARAM  
DISTRICT -- KANCHEEPURAM.

All Dimensions are in Metre.

Owner's Signature/Power Agent

*Siva Anbarasan*  
SIVA ANBARASAN  
M Arch (U.S.A., England), A.I.I.A.,  
Regd Architect. C.A. No. 10769, R.A. No. 19,  
S3/Ind FL. 43, Pantheon Rd, Egmore,  
Chennai. B. Ph. 8554262, 8550888.

Architect's Signature