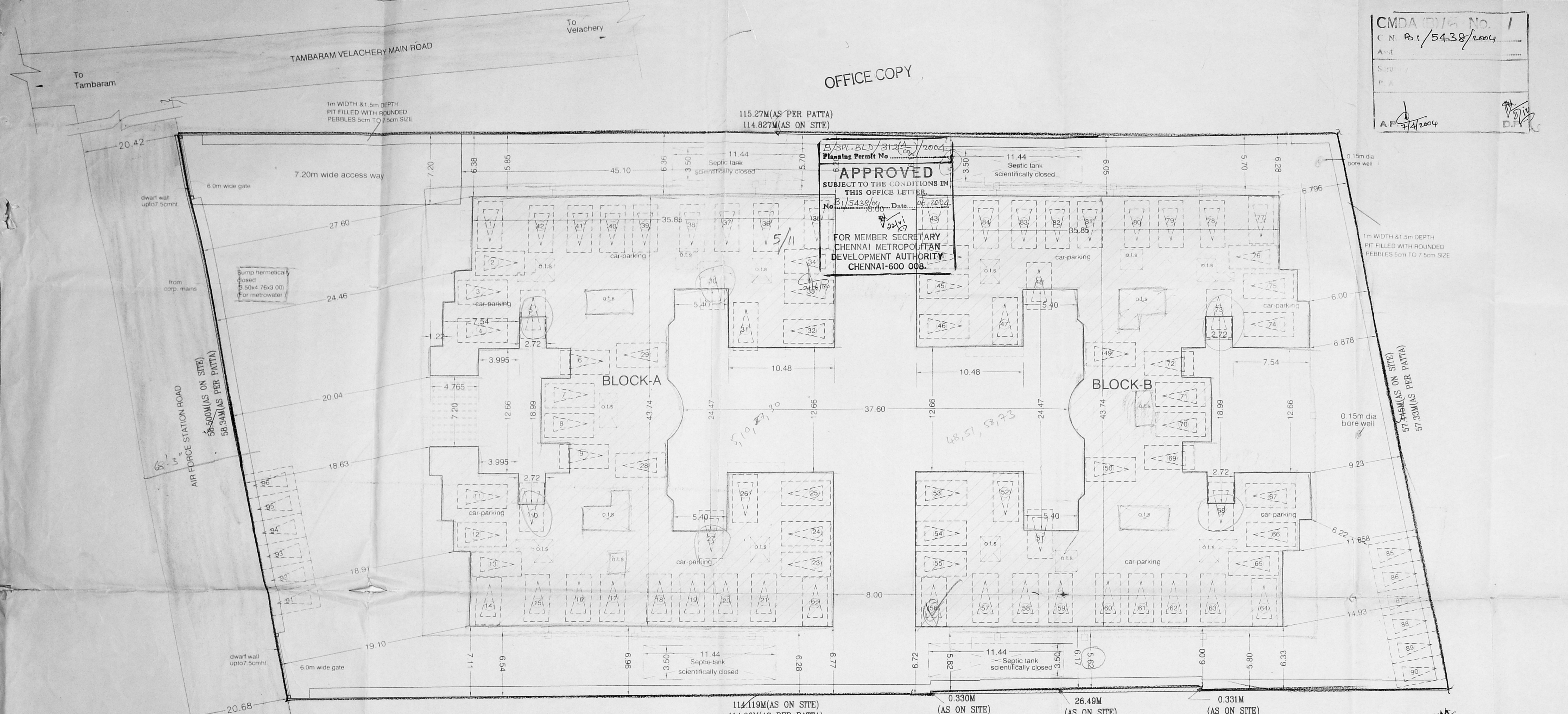


CMDA NO. 1  
 C.N. B. 1/5438/2004  
 A. 1  
 S. 1  
 P. 1  
 A. 1  
 A.P. 1/1/2004

OFFICE COPY



**APPROVED**  
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER  
 No. 21/5438/04 Date 26.03.2004  
 FOR MEMBER SECRETARY  
 CHENNAI METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 CHENNAI-600 008.

AREA STATEMENTS	SQ.M
PLOT AREA (AS PER PATTI)	6450.00
PLOT AREA (AS ON SITE)	6489.60
PLOT AREA (AS PER DOCUMENT)	6434.45
<b>BLOCK - A</b>	
STILTS FLOOR AREA	44.38
STILTS PARKING (*) AREA	1101.30
STILTS FLOOR (SERVICE AREA *)	28.21
FIRST FLOOR AREA	1195.12
FIRST FLOOR (SERVICE AREA *)	3.37
SECOND FLOOR AREA	1193.83
SECOND FLOOR (SERVICE AREA *)	3.37
THIRD FLOOR AREA	1193.83
THIRD FLOOR (SERVICE AREA *)	3.37
FOURTH FLOOR AREA	1193.83
FOURTH FLOOR (SERVICE AREA *)	3.37
TOTAL AREA	4820.99
<b>BLOCK - B</b>	
STILTS FLOOR AREA	44.38
STILTS PARKING (*) AREA	1102.93
FIRST FLOOR AREA	1193.83
FIRST FLOOR (SERVICE AREA *)	3.37
SECOND FLOOR AREA	1193.83
SECOND FLOOR (SERVICE AREA *)	3.37
THIRD FLOOR AREA	1193.83
THIRD FLOOR (SERVICE AREA *)	3.37
FOURTH FLOOR AREA	1193.83
FOURTH FLOOR (SERVICE AREA *)	3.37
TOTAL AREA	4819.70
( * NOT INCLUDED IN AREA)	
<b>BLOCK-A &amp; B TOTAL AREA</b>	<b>9640.69</b>

F.S.I 1.498  
 PLOT COVERAGE 37.13%  
 CAR PARKING REQUIRED : 96 NOS  
 CAR PARKING PROVIDED : 96 NOS

PROPOSED RESIDENTIAL FLATS AT  
 DOOR NO:1, AIR FORCE STATION ROAD,  
 EAST TAMBARAM, CHENNAI-600059  
 COMPRISED IN S.NOS:139/1, 141/2A &  
 333B/2, OF SELAYUR VILLAGE  
 SAIDAPET TALUK, CHINGLEPUT DISTRICT.

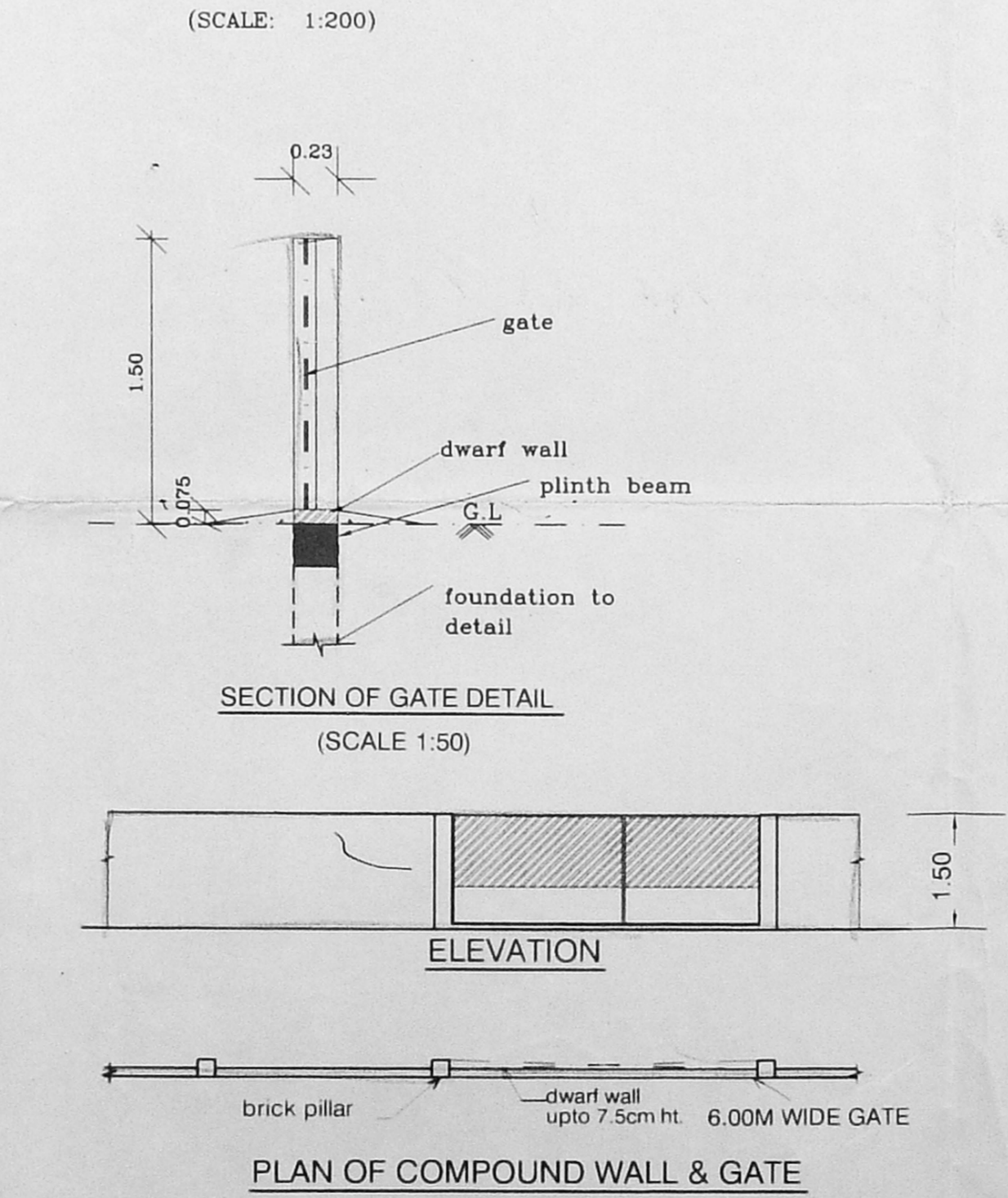
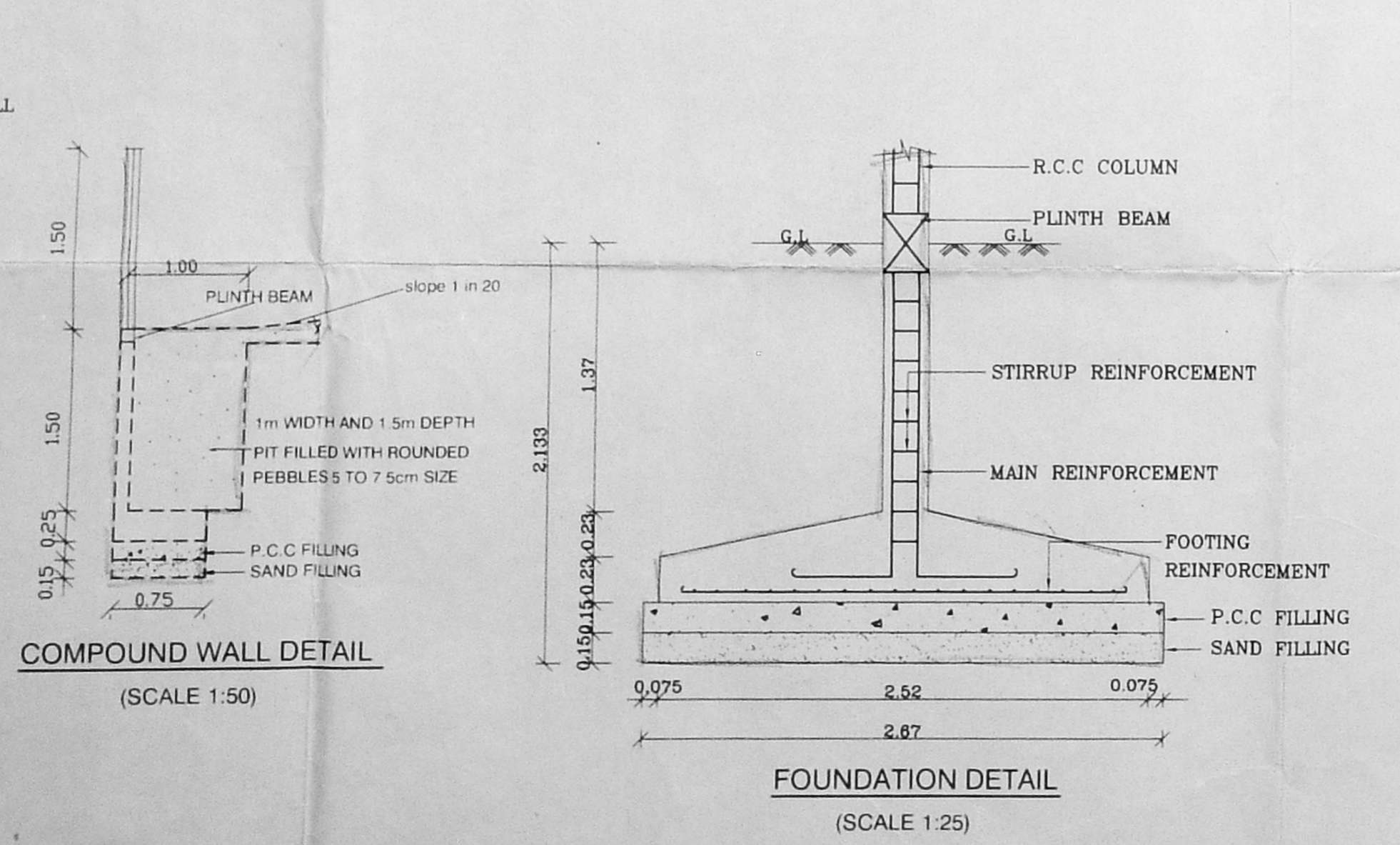
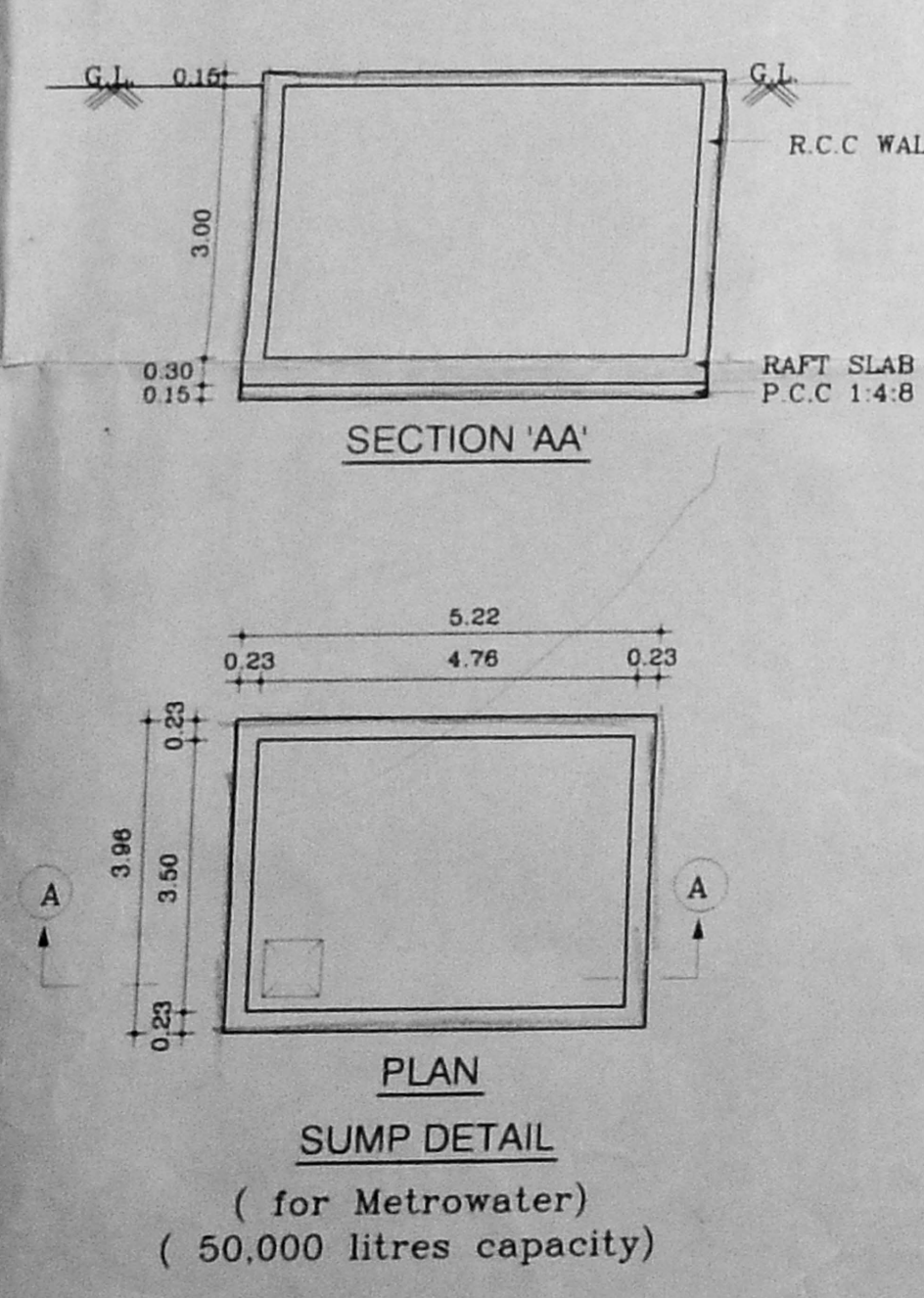
SCALE : 1:100 DATE : 24-03-04  
 JOB NO : 888 DRAWN : N.BANU

SHEET NO - 1 / 7

COLOUR INDEX  
 PROPOSED ROAD  
 BOUNDARY  
 SEWER LINE

ARCHITECT  
 R.SATHYANARAYANA, b.arch, a.i.i.a.,  
 For RAJARATNAM CONSTRUCTION (P) LTD.  
 Managing Director  
 APPLICANT SIGNATURE

ARCHITECT  
 R.SATHYANARAYANA, b.arch, a.i.i.a.,  
 REGISTERED ARCHITECT  
 COUNCIL OF ARCHITECTURE  
 CA / 66 / 9895  
 NO:55 (OLD U-12) 4th MAIN ROAD,  
 ANNA NAGAR, CHENNAI-600 046.



SCHEDULE OF JOINERY

TYPE	DESCRIPTION	SIZE
D	DOOR	1.00x2.13
D1	DOOR	0.90x2.13
D2	DOOR	0.75x2.13
D/W	DOOR CUM WINDOW	2.67x2.13
D/W1	DOOR CUM WINDOW	2.21x2.13
FW	FRENCH WINDOW	2.44x2.13
FW1	FRENCH WINDOW	1.83x2.13
W	WINDOW	1.83x1.37
W1	WINDOW	1.83x1.37
W2	WINDOW	0.90x1.37
W3	WINDOW	0.90x1.37
AO	ARCH OPENING	1.83x2.13
AO1	ARCH OPENING	1.06x2.13
AO2	ARCH OPENING	1.52x2.13
AO3	ARCH OPENING	0.75x2.13
KW	KITCHEN WINDOW	1.22x0.90
V	VENTILATOR	0.90x0.60
V1	VENTILATOR	0.60x0.60

CMDA No. 13241.67 No. 1  
C.No. 8/2004

SPECIFICATIONS :-

- R.C.C FOOTING & COLUMN IN CONCRETE M20 GRADE
- RAFT SLAB BEAMS, COLUMN AND RCC WALLS IN CONCRETE M20 GRADE
- R.C.C BEAMS, LINTELS, SLABS, SUNSHADE, ETC IN CONCRETE M15 GRADE
- BRICK WORK IN SUPERSTRUCTURE IN CEMENT MORTAR 1:5 FOR 230mm WALLS & 1:4 FOR 115mm WALLS
- JOINERY WITH T.W FLUSH DOORS & COUNTRY WOOD OR ALUMINIUM GLAZED WINDOWS & VENTILATORS
- CEILING PLASTERING 12mm THICK IN CEMENT MORTAR 1:3
- WALL PLASTERING 20mm THICK IN CEMENT MORTAR 1:4
- 3 COATS OF CEMENT PAINT TO INTERIOR & EXTERIOR WALLS
- WEATHERING COURSE WITH BRICK JELLY LIME CONCRETE 3" AVERAGE THICKNESS AND ARE LAYER AT PRESSED TILES ON TOP
- MARBLE/MOSAIC FLOORING

AREA STATEMENTS

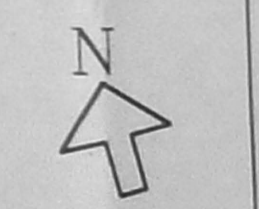
AREA STATEMENTS	SQM
STILTS FLOOR AREA	44.38
STILTS FLOOR (PARKING AREA)	1101.30
STILTS FLOOR (SERVICE AREA)	28.21
FIRST FLOOR AREA	1195.12
FIRST FLOOR (SERVICE AREA)	3.37

(\* NOT INCLUDED IN AREA)

PROPOSED RESIDENTIAL FLATS AT DOOR NO:1, AIR FORCE STATION ROAD, EAST TAMBARAM, CHENNAI-600059 COMPRISED IN S.NOS:139/1, 141/2A & 333B/B2, OF SELAYUR VILLAGE SAIDAPET TALUK, CHINGLEPUT DISTRICT.

BLOCK-A

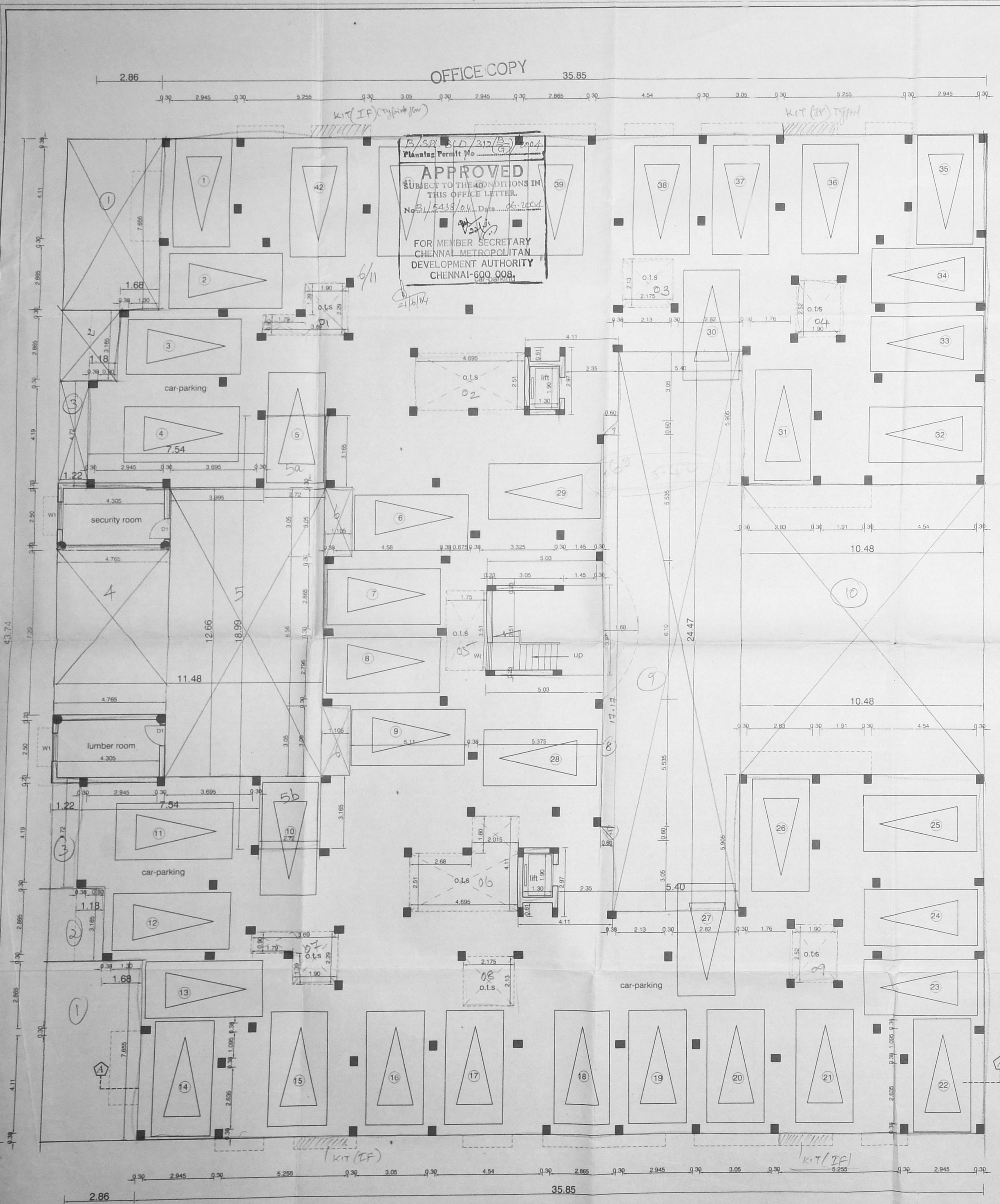
SCALE : 1:100	DATE : 24-03-04
JOB NO : 888	DRAWN : N.BANU & JOTHI
SHEET No:2/7	
COLOUR INDEX	
PROPOSED	



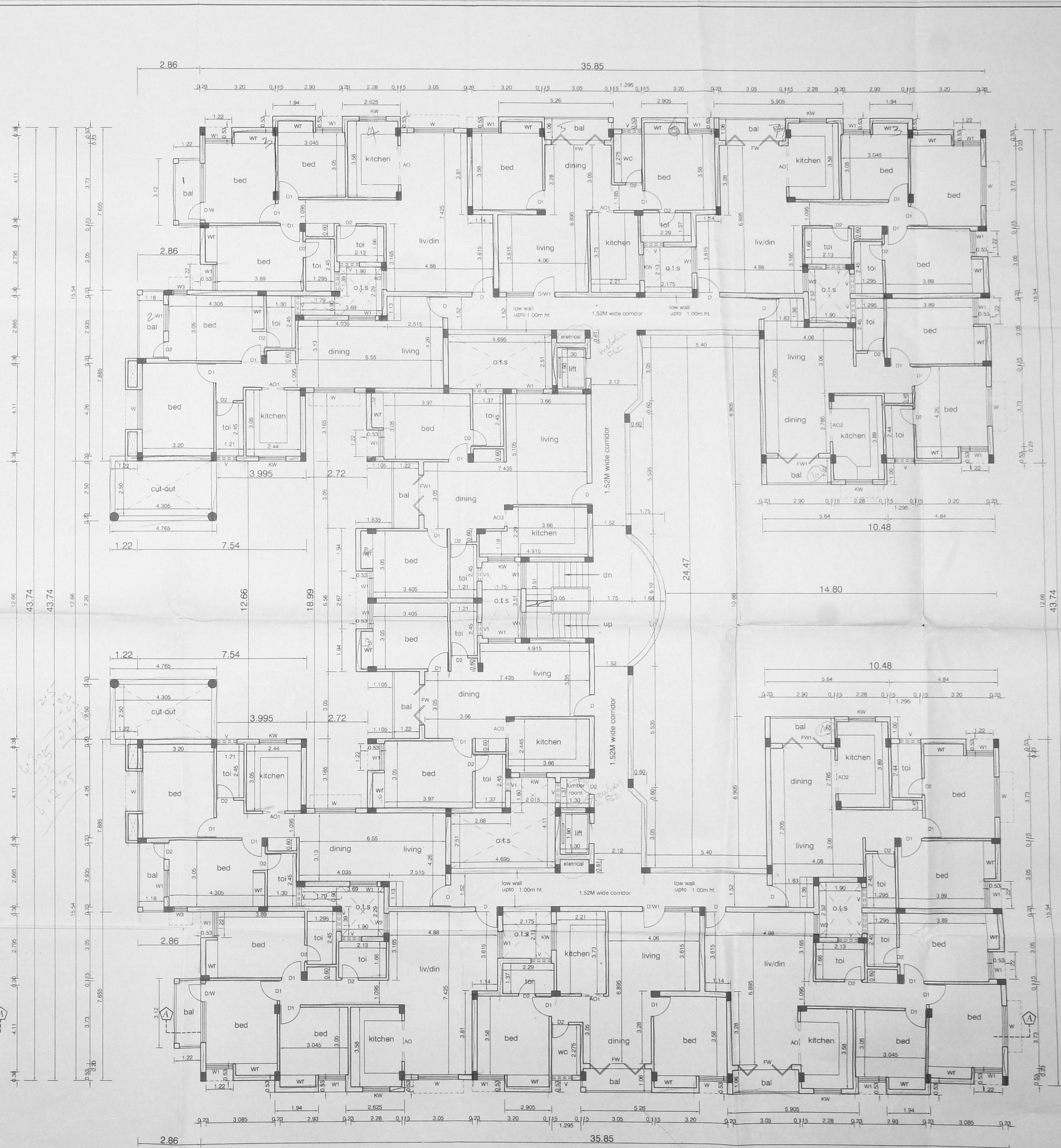
For RAJARATHNAM CONSTRUCTION (P) LTD.  
Managing Director  
APPLICANT SIGNATURE

ARCHITECT  
R.SATHYANARAYANA, b.arch, a.i.a.

R. SATHYANARAYANA, B.Arch, A.I.A.  
REGISTERED ARCHITECT  
COUNCIL OF ARCHITECTURE  
CA/186/0899  
NO:55 (OLD U-12) 4th Fl., P.S. D  
ANNA NAGAR, CHENNAI-600040



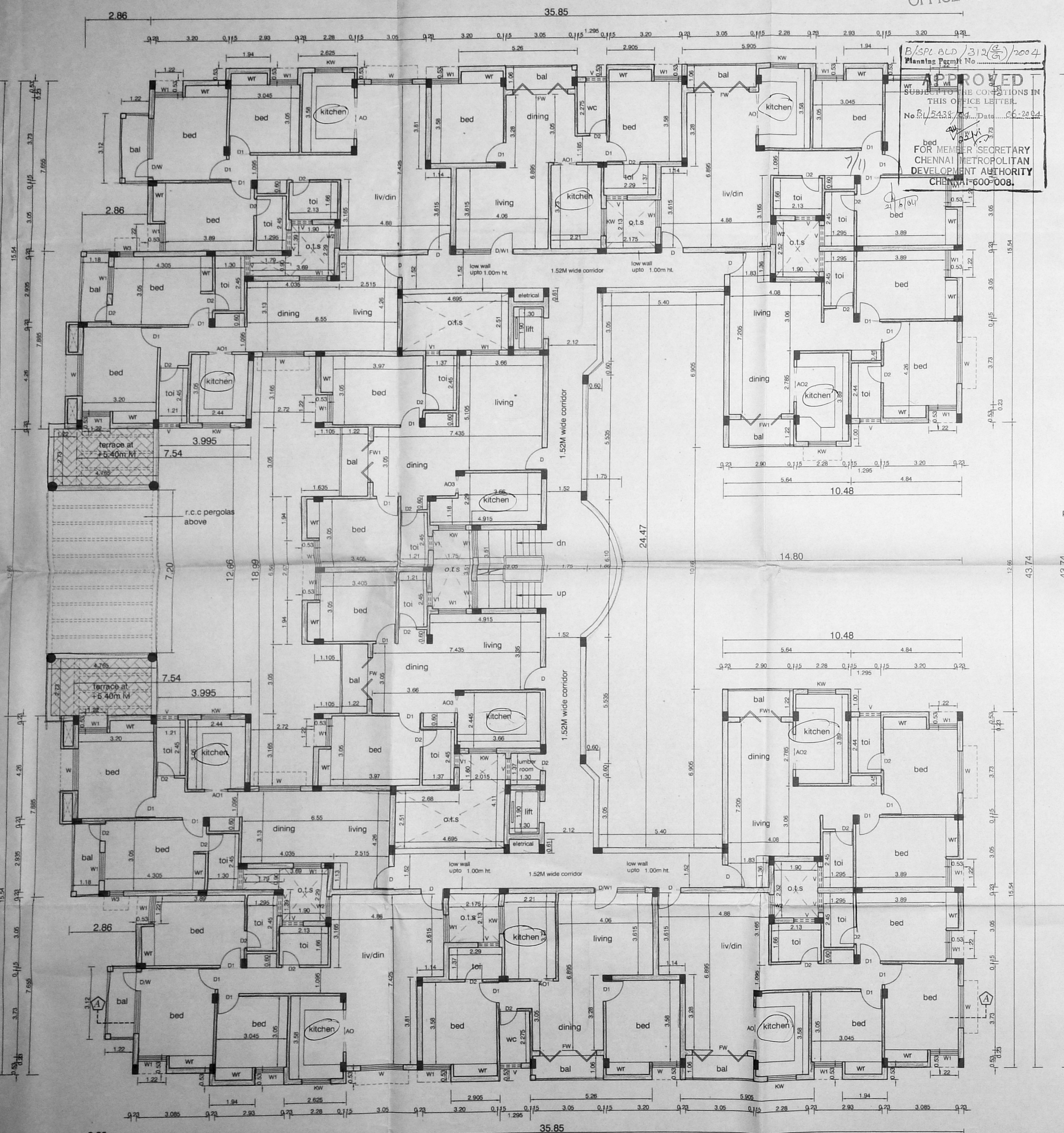
STILTS FLOOR PLAN  
BLOCK-A



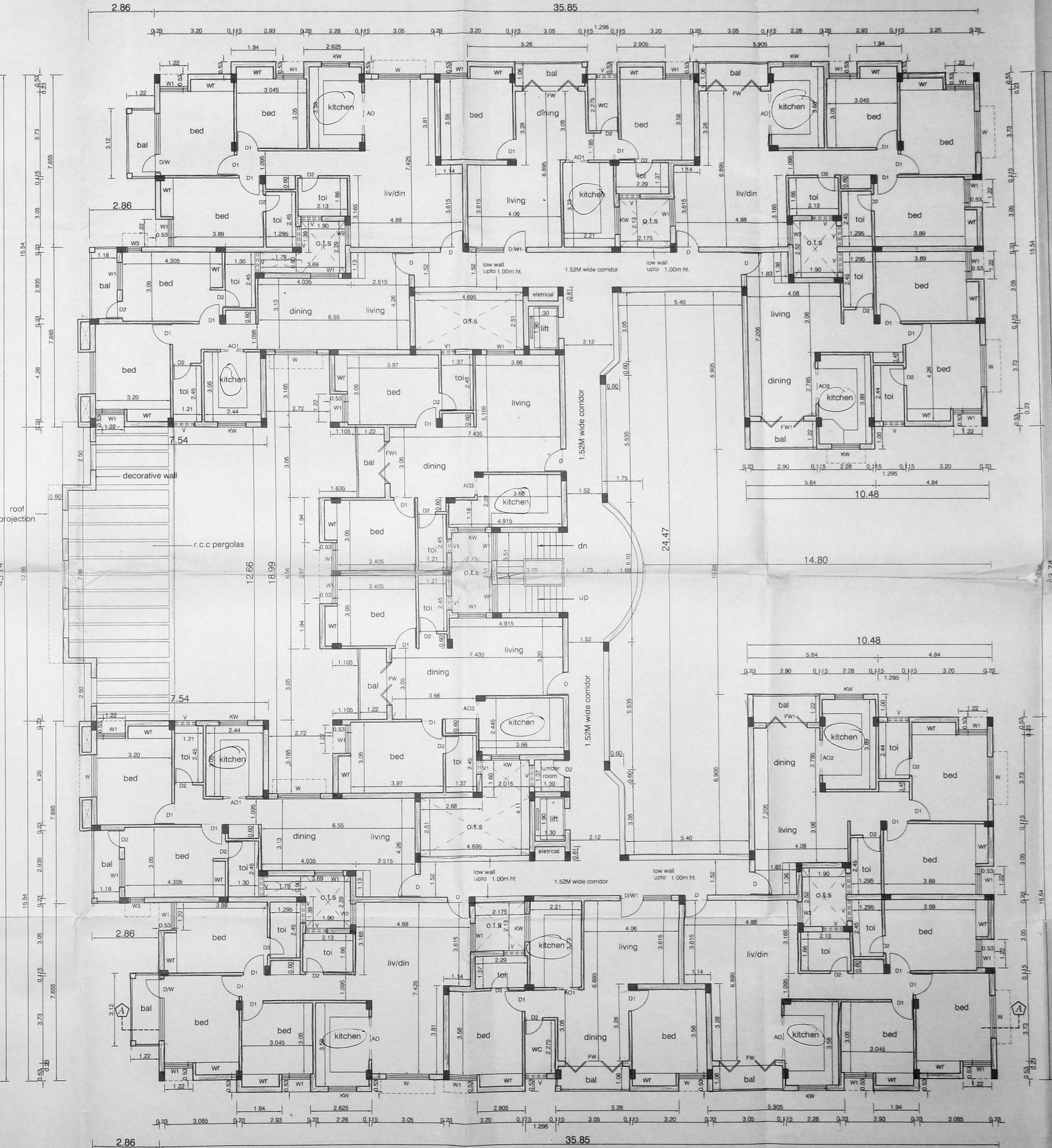
FIRST FLOOR PLAN  
BLOCK-A

OFFICE COPY

B/SPL OLD/312(8)/2004  
Planning Form No. 7/11  
**APPROVED**  
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER  
No. B/5438/04, Dt: 06.06.2004  
FOR MEMBER SECRETARY  
CHENNAI METROPOLITAN  
DEVELOPMENT AUTHORITY  
CHENNAI-600 008.



TYPICAL FLOOR PLAN (II, III)  
BLOCK-A



FOURTH FLOOR PLAN  
BLOCK-A

SCHEDULE OF JOINERY

TYPE	DESCRIPTION	SIZE
D	DOOR	1.00x2.13
D1	DOOR	0.90x2.13
D2	DOOR	0.75x2.13
D/W	DOOR CUM WINDOW	2.67x2.13
D/W1	DOOR CUM WINDOW	2.21x2.13
FW	FRENCH WINDOW	1.52x2.13
FW1	FRENCH WINDOW	1.52x2.13
W	WINDOW	1.52x1.37
W1	WINDOW	0.60x1.37
W2	WINDOW	0.60x1.37
W3	WINDOW	0.60x1.37
AO	ARCH OPENING	1.83x2.13
AO1	ARCH OPENING	1.06x2.13
AO2	ARCH OPENING	1.52x2.13
AO3	ARCH OPENING	0.75x2.13
KW	KITCHEN WINDOW	0.90x0.60
V	VENTILATOR	0.60x0.60
V1	VENTILATOR	0.60x0.60

SPECIFICATIONS :-

- R.C.C FOOTING & COLUMN IN CONCRETE M20 GRADE
- RAFT SLAB, BEAMS, COLUMN AND RCC WALLS IN CONCRETE M20 GRADE
- R.C.C BEAMS, LINTELS, SLABS, SUNSHADE, ETC IN CONCRETE M15 GRADE
- BRICK WORK IN SUPERSTRUCTURE IN CEMENT MORTAR 1:5 FOR 230mm WALLS & 1:4 FOR 115mm WALLS
- JOINERY WITH T.W FLUSH DOORS & COUNTRY WOOD OR ALUMINIUM GLAZED WINDOWS & VENTILATORS
- CEILING PLASTERING 12mm THICK IN CEMENT MORTAR 1:3
- WALL PLASTERING 20mm THICK IN CEMENT MORTAR 1:4
- 3 COATS OF CEMENT PAINT TO INTERIOR & EXTERIOR WALLS
- WEATHERING COURSE WITH BRICK JELLY LIME CONCRETE 3" AVERAGE THICKNESS AND ARE LAYER AT PRESSED TILES ON TOP
- MARBLE/MOSAIC FLOORING

AREA STATEMENTS

AREA STATEMENTS	SQ.M
SECOND FLOOR AREA	1193.83
SECOND FLOOR (SERVICE AREA *)	3.37
THIRD FLOOR AREA	1193.83
THIRD FLOOR (SERVICE AREA *)	3.37
FOURTH FLOOR AREA	1193.83
FOURTH FLOOR (SERVICE AREA *)	3.37

(\* NOT INCLUDED IN AREA)

PROPOSED RESIDENTIAL STATION AT  
DOOR NO:1, AIR FORCE STATION ROAD,  
EAST TAMBARAM, CHENNAI-600059  
COMPRISED IN S.NOS:139/1, 141/2A &  
333B/B2, OF SELAYUR VILLAGE  
SAIDAPET TALUK, CHINGLEPUT DISTRICT.

BLOCK-A

SCALE : 1:100 DATE: 24-03-04

JOB NO : 888 DRAWN : N.BANU & JOTHI

SHEET No:3/7

COLOUR INDEX

PROPOSED

For RAJANATHAN CONSTRUCTION (P) LTD.  
Managing Director

ARCHITECT

R.SATHYANARAYANA, barch. a.i.a.

R. SATHYANARAYANA, BARCH. A.I.A.  
REGISTERED ARCHITECT  
COUNCIL OF ARCHITECTS  
: CA / 67 / 95  
NO: 55 (OLD U-12) 4th MAIN ROAD,  
ANNA NAGAR, CHENNAI-600 040.

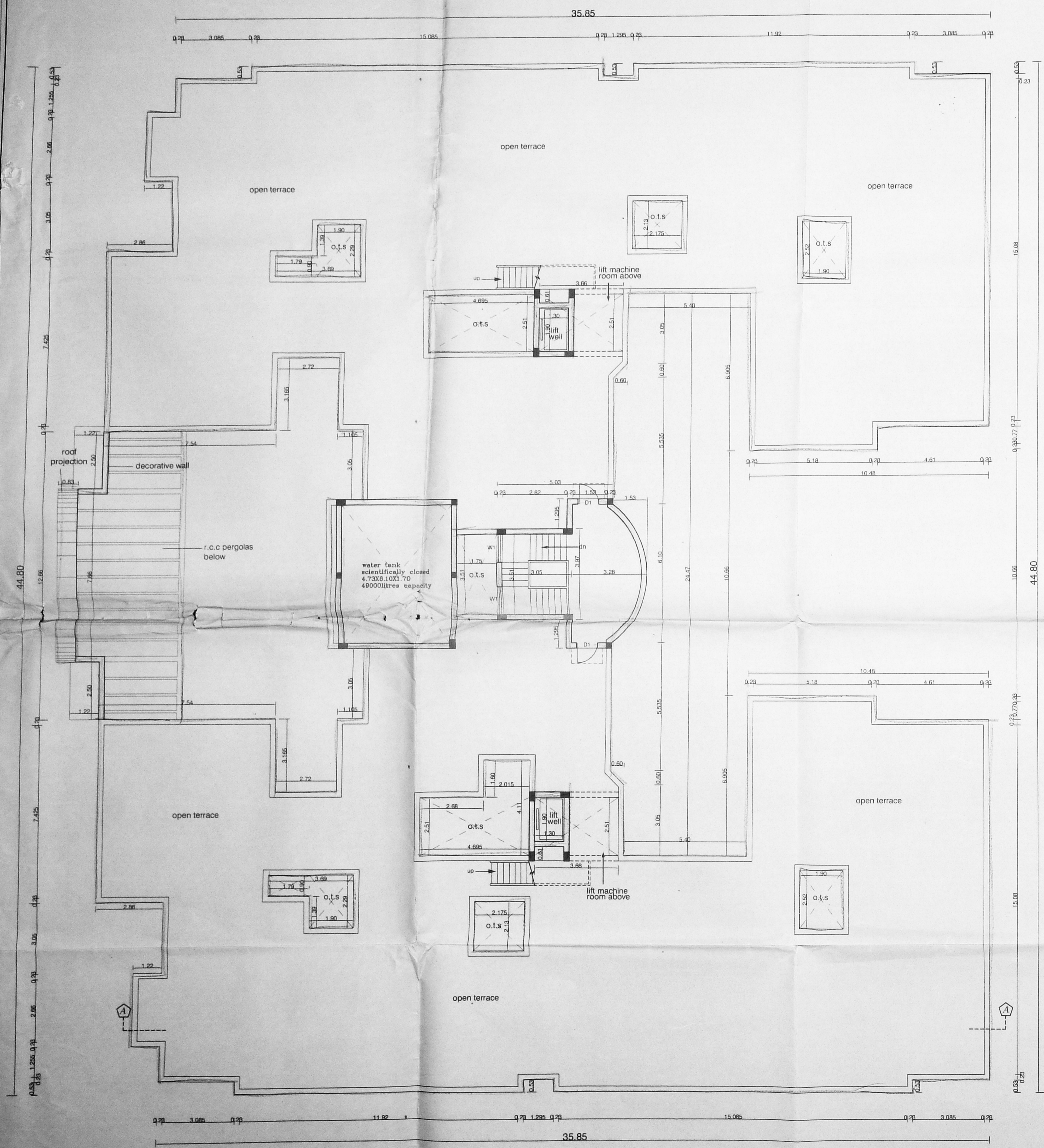
OFFICE COPY

P/SPL BLD/212(B-3)/2004  
Planning Permit No. ....  
**APPROVED**  
SUBJECT TO THE CONDITIONS IN  
THIS OFFICE LETTER.  
No. B1/212/2004 Date: 26.2.2004  
lift machine  
FOR MEMBER SECRETARY  
CHENNAI METROPOLITAN  
DEVELOPMENT AUTHORITY  
CHENNAI-600 008

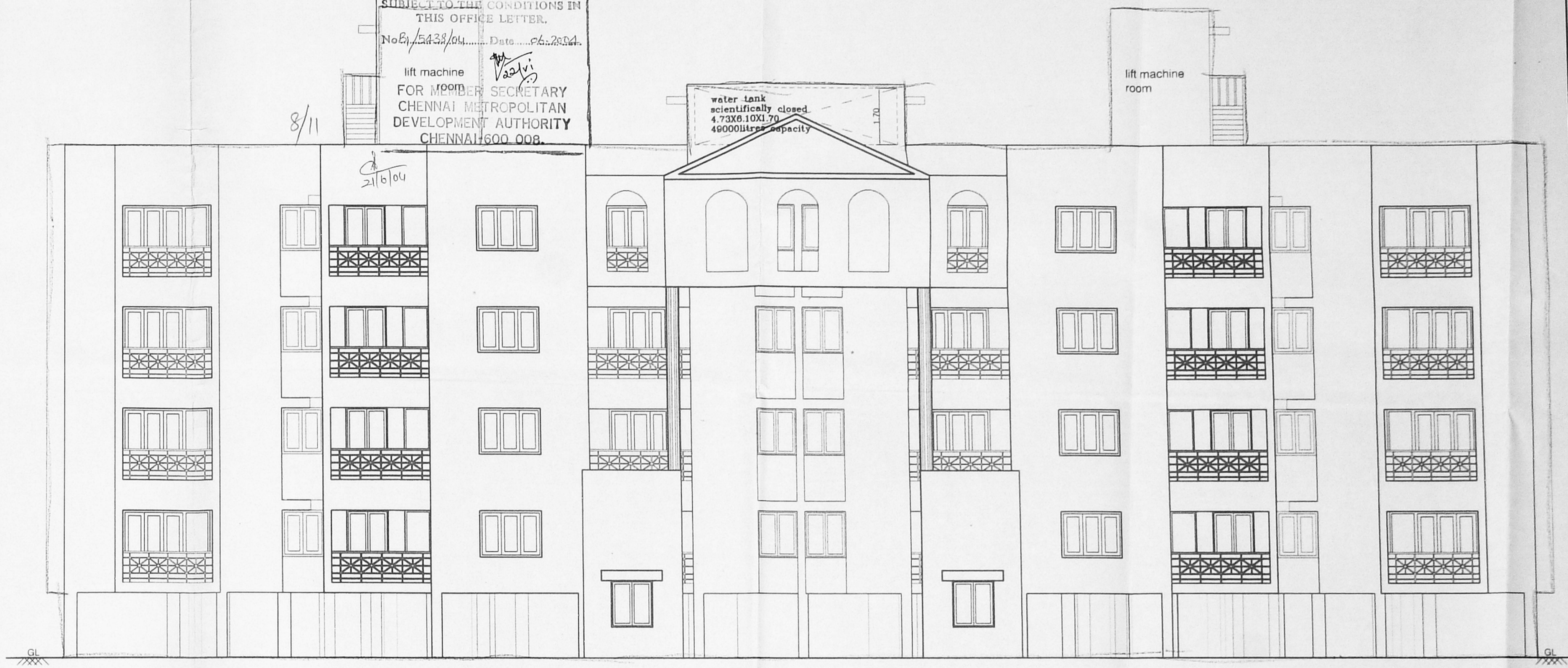
SCHEDULE OF JOINERY		
TYPE	DESCRIPTION	SIZE
D	DOOR	1.00x2.13
W1	WINDOW	1.22x1.37

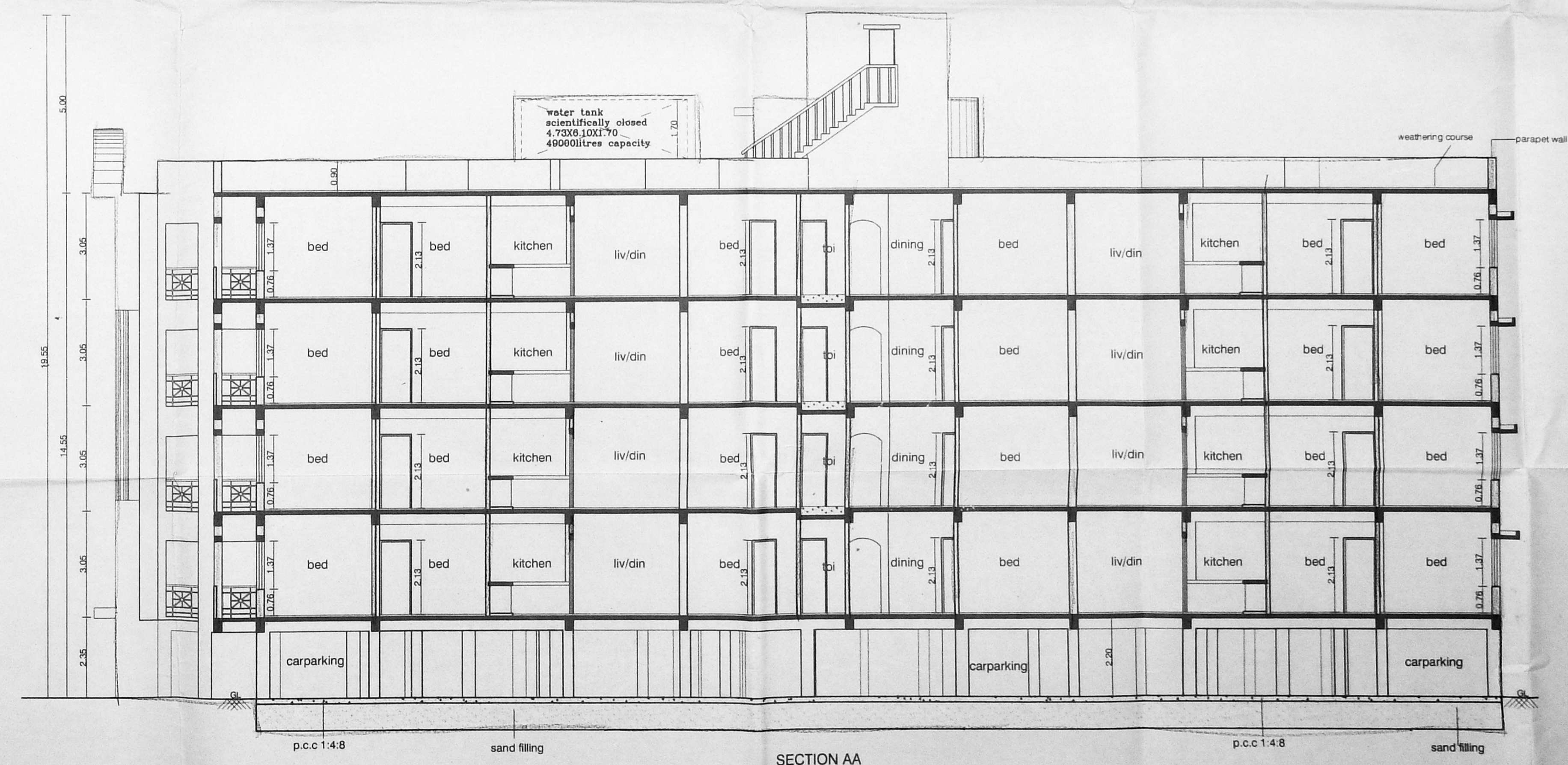
CMDA (B) No. 1	
C. No B1/5438/2004	
Asst	Scrutiny
P. A.	P. A.



TERRACE FLOOR PLAN  
BLOCK-A



WEST ELEVATION  
BLOCK-A



SECTION AA  
BLOCK-A

- SPECIFICATIONS :-**
- R.C.C FOOTING & COLUMN IN CONCRETE M20 GRADE
  - RAFT SLAB,BEAMS,COLUMN AND RCC WALLS IN CONCRETE M20 GRADE
  - R.C.C BEAMS,LINTELS,SLABS,SUNSHADE,ETC IN CONCRETE M15 GRADE
  - BRICK WORK IN SUPERSTRUCTURE IN CEMENT MORTAR 1:5 FOR 230mm WALLS & 1:4 FOR 115mm WALLS
  - JOINERY WITH T.W FLUSH DOORS & COUNTRY WOOD OR ALUMINIUM GLAZED WINDOWS & VENTILATORS
  - CEILING PLASTERING 12mm THICK IN CEMENT MORTAR 1:3
  - WALL PLASTERING 20mm THICK IN CEMENT MORTAR 1:4
  - 3 COATS OF CEMENT PAINT TO INTERIOR & EXTERIOR WALLS
  - WEATHERING COURSE WITH BRICK JELLY LIME CONCRETE 3" AVERAGE THICKNESS AND ARE LAYER AT PRESSED TILES ON TOP
  - MARBLE/MOSAIC FLOORING

PROPOSED RESIDENTIAL FLATS AT  
DOOR NO:1, AIR FORCE STATION ROAD,  
EAST TAMBARAM, CHENNAI-600059  
COMPRISED IN S.NOS:139/1, 141/2A &  
333B/B2, OF SELAIYUR VILLAGE  
SAIDAPET TALUK,CHINGLEPUT DISTRICT.

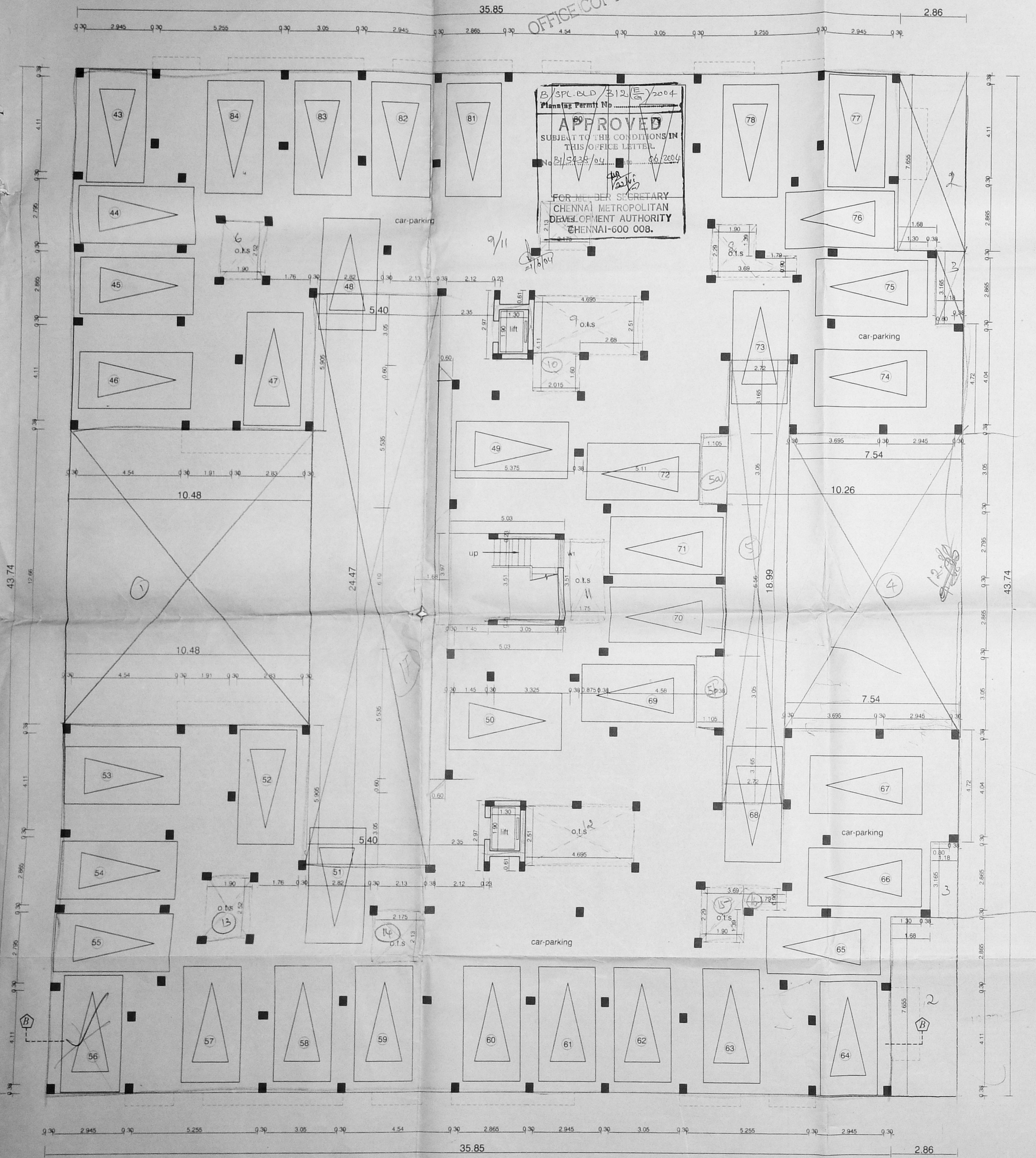
BLOCK-A	
SCALE : 1:100	DATE : 24-05-2004
JOB NO : 888	DRAWN : JOTH & K.R
SHEET No:4/7	
COLOUR INDEX	
PROPOSED	
For RAJARAM CONSTRUCTION. LTD. Managing Director APPLICANT SIGNATURE	

ARCHITECT  
**R.SATHYANARAYANA, barch, a.i.a.**

**R. SATHYANARAYANA, B.A.R.C.H., A.I.A.**  
REGISTERED ARCHITECT  
COUNCIL OF ARCHITECTURE  
CA/185/19895  
NO:55 (OLD U-12) 4TH MAIN ROAD,  
ANNA NAGAR, CHENNAI-600 048

OFFICE COPY

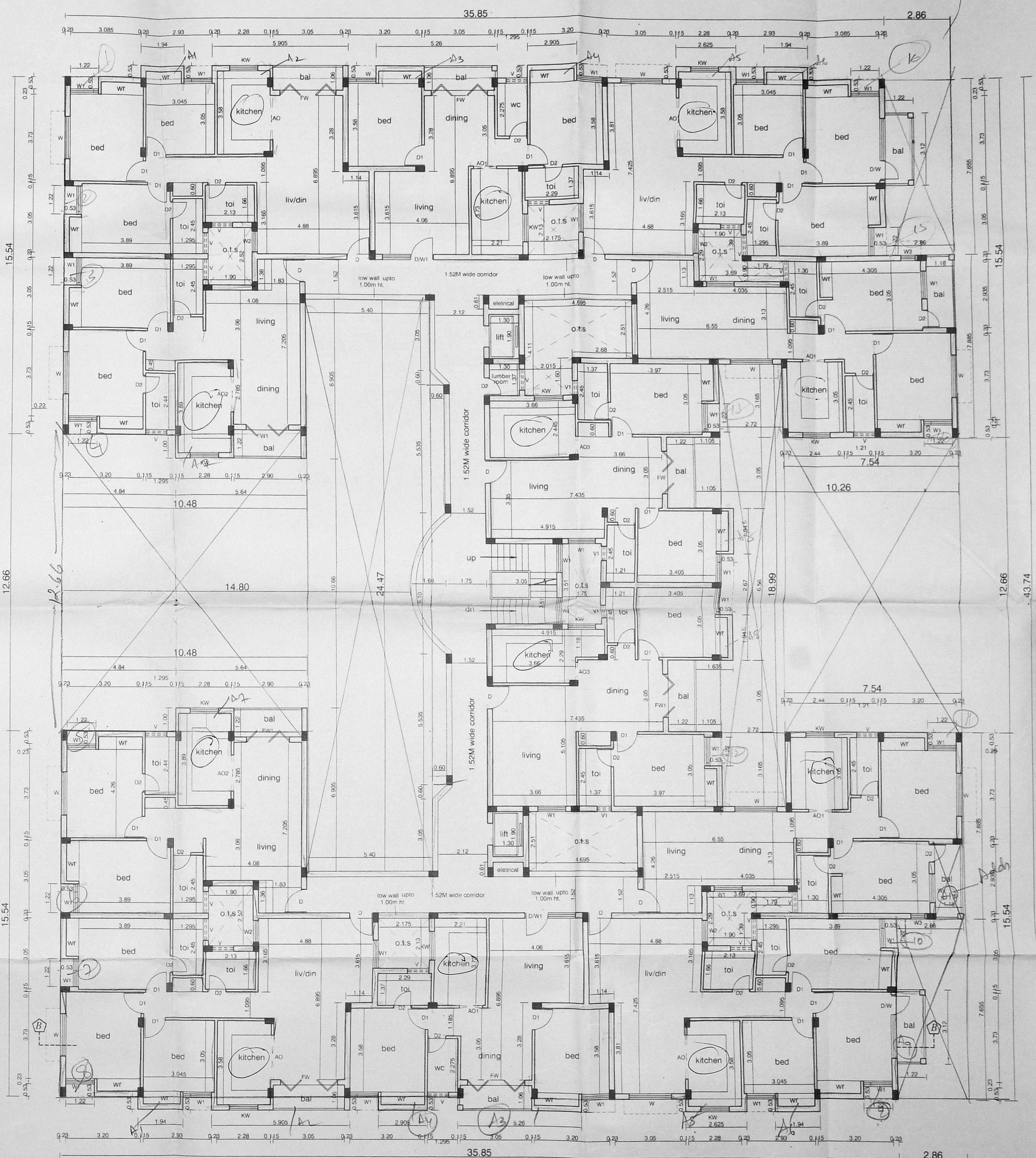
B/SPL/BLD/312/1/2004  
 Planning Form No. 12  
 APPROVED  
 SUBJECT TO THE CONDITIONS IN  
 THIS OFFICE LETTER  
 DATED 26.06.2004  
 FOR THE MEMBER SECRETARY  
 CHENNAI METROPOLITAN  
 CORPORATION AUTHORITY  
 CHENNAI-600 008.



STILTS FLOOR PLAN  
 BLOCK-B

35.85  
 2.86  
 43.74

bl.A 12x4 = 48  
 bl.B 12x4 = 48  
 96  
 12



TYPICAL FLOOR PLAN (I,II,III,IV)  
 BLOCK-B

12

12x4 = 48 du

SCHEDULE OF JOINERY

TYPE	DESCRIPTION	SIZE
D	DOOR	1.00x2.13
D1	DOOR	0.90x2.13
D2	DOOR	0.75x2.13
D/W	DOOR CUM WINDOW	2.87x2.13
D/W1	FRENCH WINDOW	2.87x2.13
FW	FRENCH WINDOW	1.83x1.37
FW1	FRENCH WINDOW	1.83x1.37
W	WINDOW	1.83x1.37
W1	WINDOW	1.83x1.37
W2	WINDOW	0.90x1.37
W3	WINDOW	0.90x1.37
AO	ARCH OPENING	2.87x2.13
AO1	ARCH OPENING	1.83x1.37
AO2	ARCH OPENING	1.83x1.37
AO3	ARCH OPENING	0.75x2.13
KW	KITCHEN WINDOW	0.90x0.90
V	VENTILATOR	0.60x0.60
V1	VENTILATOR	0.60x0.60

- SPECIFICATIONS :-**
- R.C.C FOOTING & COLUMN IN CONCRETE M20 GRADE
  - RAFT SLAB,BEAMS,COLUMN AND RCC WALLS IN CONCRETE M20 GRADE
  - R.C.C BEAMS,LINTELS,SLABS,SUNSHADE,ETC IN CONCRETE M15 GRADE
  - BRICK WORK IN SUPERSTRUCTURE IN CEMENT MORTAR 1:5 FOR 230mm WALLS & 1:4 FOR 115mm WALLS
  - JOINERY WITH T.W FLUSH DOORS & COUNTRY WOOD OR ALUMINIUM GLAZED WINDOWS & VENTILATORS
  - CEILING PLASTERING 12mm THICK IN CEMENT MORTAR 1:3
  - WALL PLASTERING 20mm THICK IN CEMENT MORTAR 1:4
  - 3 COATS OF CEMENT PAINT TO INTERIOR & EXTERIOR WALLS
  - WEATHERING COURSE WITH BRICK JELLY LINE CONCRETE 3" AVERAGE THICKNESS AND ARE LAYER AT PRESSED TILES ON TOP
  - MARBLE/MOSAIC FLOORING

AREA STATEMENTS	SQ.M
STILTS FLOOR AREA	44.38
STILTS FLOOR (PARKING AREA *)	1102.93
FIRST FLOOR AREA	3.37
FIRST FLOOR (SERVICE AREA *)	1193.83
SECOND FLOOR AREA	3.37
SECOND FLOOR (SERVICE AREA *)	1193.83
THIRD FLOOR AREA	3.37
THIRD FLOOR (SERVICE AREA *)	1193.83
FOURTH FLOOR AREA	3.37
FOURTH FLOOR (SERVICE AREA *)	1193.83
* (NOT INCLUDED IN AREA) TOTAL AREA	4819.70

PROPOSED RESIDENTIAL FLATS AT  
 DOOR NO:1, AIR FORCE STATION ROAD,  
 EAST TAMBARAM, CHENNAI-600059  
 COMPRISED IN S.NOS:139/1, 141/2A &  
 333B/B2, OF SELAYUR VILLAGE  
 SAIDAPET TALUK,CHINGLEPUT DISTRICT.

**BLOCK-B**

SCALE : 1:100      DATE : 17-02-04

JOB NO : 888      DRAWN : R.M & N.BANU

SHEET No:5/7

COLOUR INDEX

PROPOSED

For RAJARATHNAM CONSTRUCTION (P) LTD  
 Managing Director

APPLICANT SIGNATURE

ARCHITECT  
**R.SATHYANARAYANA, barch, a.i.a.**

R. SATHYANARAYANA, B.A.R.C.H., A.I.A.,  
 REGISTERED ARCHITECT  
 COUNCIL OF ARCHITECTURE  
 CA/06/9895  
 NO: 55 (OLD U-12) 4th MAIN ROAD,  
 ANNA NAGAR, CHENNAI-600 048



Revised Plan  
Dt: 30.3.2004

7/7

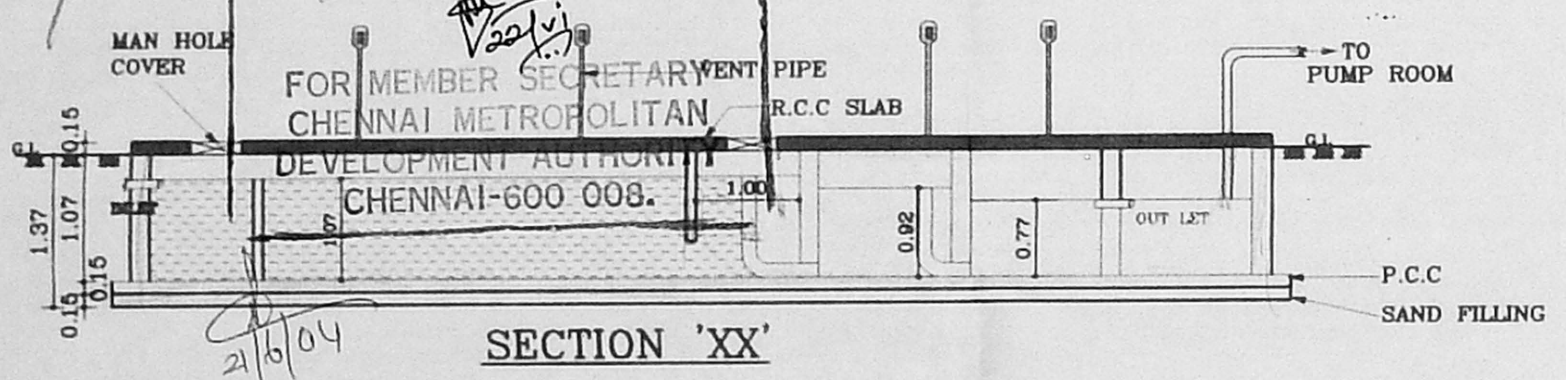
CMDA (B) / No. 1  
C. No. B1/5438/2004  
Asst. \_\_\_\_\_  
Scrutiny \_\_\_\_\_  
P. A. \_\_\_\_\_  
A.P. \_\_\_\_\_  
D.P. \_\_\_\_\_

OFFICE COPY

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER FOR 24 DWELLING UNITS FOR PREMISES AT DOOR NO:1, AIR FORCE STATION ROAD, EAST TAMBARAM, CHENNAI-600059 COMPRISED IN S.NOS:139/1, 141/2A & 333B/B2, OF SELAIYUR VILLAGE, SAIDAPET TALUK, CHINGLEPUT DISTRICT.

PROPOSED RESIDENTIAL FLATS AT DOOR NO:1, AIR FORCE STATION ROAD, EAST TAMBARAM, CHENNAI-600059 COMPRISED IN S.NOS:139/1, 141/2A & 333B/B2, OF SELAIYUR VILLAGE SAIDAPET TALUK, CHINGLEPUT DISTRICT.

B/SPL-BLD/312/G/2004  
Planning Permit No. \_\_\_\_\_  
**APPROVED**  
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.  
No. B1/5438/04 Date: 06.2.2004



NO OF FLATS OR DWELLINGS - 24  
ASSUMING 5 PERSONS PER FLAT } 24x05=120  
NO.OF PERSONS }  
NO.OF USERS - 120  
ASSUMING 2 FIXTURES PER FLAT - 24x02 = 48 UNITS  
PER HOUR DISCHARGE - 48x6 = 288LPM

**SEPTIC TANK**

SURFACE AREA NEEDED -  $\frac{288 \times 0.92}{10} = 26.50$  SAY 27sqm  
VOLUME OF SEDIMENTATION } - 27x0.3m = 8.10cu.m  
ASSUMING 0.3m DEPTH }  
FOR DIGESTION - 120x0.032 = 3.84cu.m  
FOR SLUDGE STORAGE - 0.0002x365x120 = 8.76cu.m  
FREE BOARD FOR SLUDGE - 27x0.30 = 8.10cu.m  
28.80cu.m SAY 29cu.m

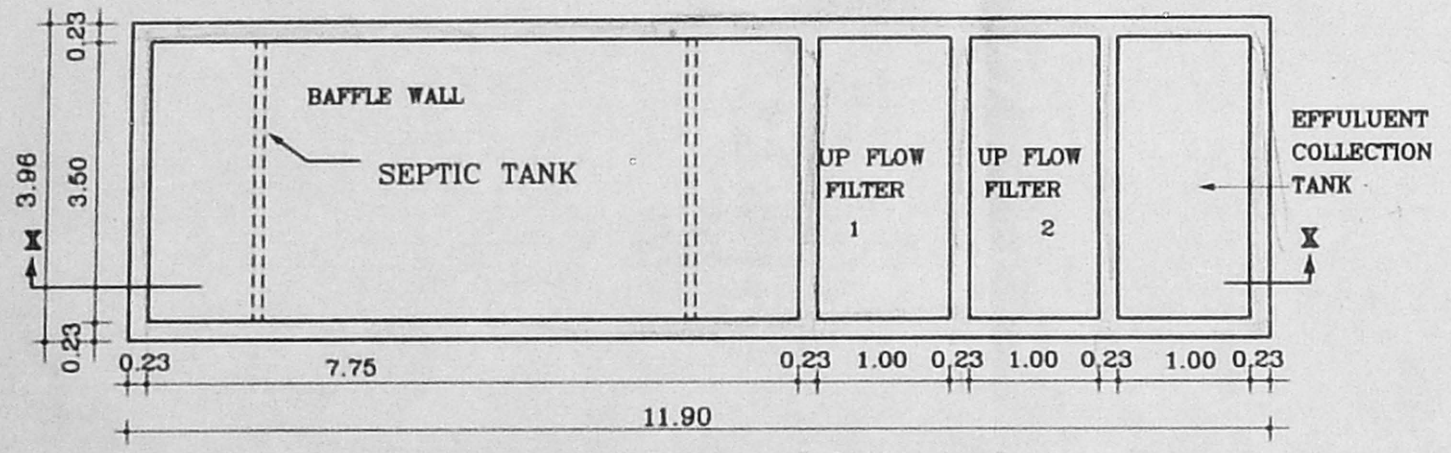
DEPTH =  $\frac{\text{VOLUME}}{\text{STORAGE}} = \frac{29}{27} = 1.07\text{m}$

SIZE OF SEPTICE TANK : 7.75x3.50x1.07m  
4-Nos

**UPFLOW FILTER**

LIQUID DEPTH OF SEPTIC TANK = 1.07m  
VOLUME : 120x0.045 = 5.40cu.m  
UPFLOW FILTER DEPTH } = 1.07-0.3 = 0.77cu.m  
ALLOWING 0.3m FREE BOARD }  
AREA NEEDED:  $\frac{5.40}{0.77} = 7.01$ , SAY 7.00sq.m

SIZE OF UPFLOW FILTER = 3.50x2.0m  
UPFLOW FILTER NO:1 = 3.50x1.00x0.92m  
UPFLOW FILTER NO:2 = 3.50x1.00x0.77m



**PLAN OF SEPTIC TANK**  
(4-Nos)

SCALE : 1:100 DATE : 17-02-04  
JOB NO : 888 DRAWN : JOTHI & K.R

SHEET No: 7/7  
COLOUR INDEX

PROPOSED

N  
For RAJARATHNAM CONSTRUCTION (P) LTD.  
Managing Director  
APPLICANT SIGNATURE

R.SATHYANARAYANA, b.arch, a.i.i.a ..

R. SATHYANARAYANA, B.ARCH., A.I.I.A.  
REGISTERED ARCHITECT  
COUNCIL OF ARCHITECTURE  
CA/86/9895  
NO: 55 (OLD U-12) 4th MAIN ROAD,  
ANNA NAGAR, CHENNAI-600 048