

PROPOSED APARTMENTS
FOR MR. R. CHANDRASEKHAR
IN PLOT NO. A.16, THIRUVENGADA
NAGAR, AMBATHUR, MADRAS-53
S. NO. 588/1

BHARAT APARTMENTS

SPECIFICATIONS:
THE BUILDING TO BE BUILT WITH LOAD BEARING BRICK MASONRY WITH AN R.C.G. PLINTH BEAM AT GROUND FLOOR LEVEL. FLOORING WILL BE OF GREY COLOUR MOSAIC TILES WITH SPARTEK TILES FOR FLOORING AND DADOING IN TOILETS. DOOR FRAMES IN PAINT QUALITY COMMERCIAL TEAK WOOD WITH KUTTY FLUSH DOOR SHUTTERS. WINDOWS TEAK WOOD GLAZED OR ALUMINIUM GLAZED TYPE. WIRING OF COPPER CONCEALED IN CONDUITS.

SCHEDULE OF JOINERIES:

D	T.W. DOOR	- 3'6" x 7'0" (1107x217)
D1	DO	- 3'0" x 7'0" (914x217)
D2	DO	- 2'6" x 7'0" (787x217)

W	T.W. GLAZED WINDOW	- 6'0" x 4'6" (1827x137)
W1	DO	- 4'6" x 4'6" (137x137)
W2	DO	- 3'0" x 4'6" (914x137)
W3	DO	- 3'0" x 3'6" (914x107)
V	T.W. GLAZED VENTILATOR	- 3'0" x 2'0" (914x610)
V1	DO	- 2'6" x 2'0" (787x610)

AREA DETAILS

AREA OF PLOT 140'0" x 75'0" - Splay 10x10x10 = 10,450 SQ. FT.
G.F. END BLOCKS 2x 54'7" x 47'6" = 3289.38 (97114.2)
2855 2102x - "x2 + 2-1/2 x 3-7/2 = 202 3083355+
MIDDLE BLOCK 41'5" x 37'0" = 1552.03 (128693.4)
less open to sky 11'9" x 10'0" = 117.5 143453 (2)
GROUND COVERAGE (1) + (2) + (3) + (4) = 15663.11 (14557.4)

G.F. AREA SAME AS GROUND COVERAGE = 15663.11 (14557.4)

F.F. MIDDLE BLOCK @ - OPEN TERRACE
143453 - (41'5" x 12'6") = 939.53 (8734)

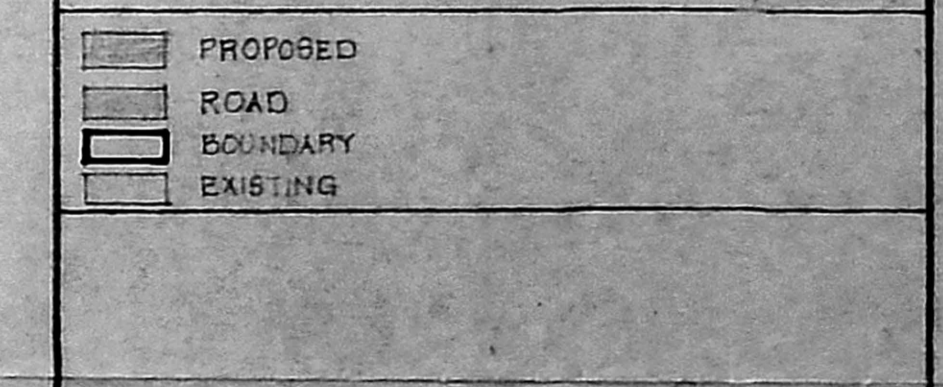
F.F. COVERED AREA (1) + (2) + (3) + (4) = 4026.91 (4026.91)

S.F. = 4026.91 (4026.91)

T.F. ONLY END BLOCKS 308738 (308738)

TOTAL (1) + (2) + (3) + (4) + (5) + (6) = 15663.11 (14557.4)
F.S. I = 15663.11 (14557.4)

AREA NOT INCLUDED IN F.S. I IS - NIL.



POWER AGENT: *K.R.C. Srinivasan*

M. ARUN
ARCHITECT/LICENCED SURVEYOR
CA/NO. 91/13704

S. MURUGESAN & SONS
ARCHITECTS AND DESIGN CONSULTANTS
U-27, ANNA NAGAR, MADRAS-600 040.

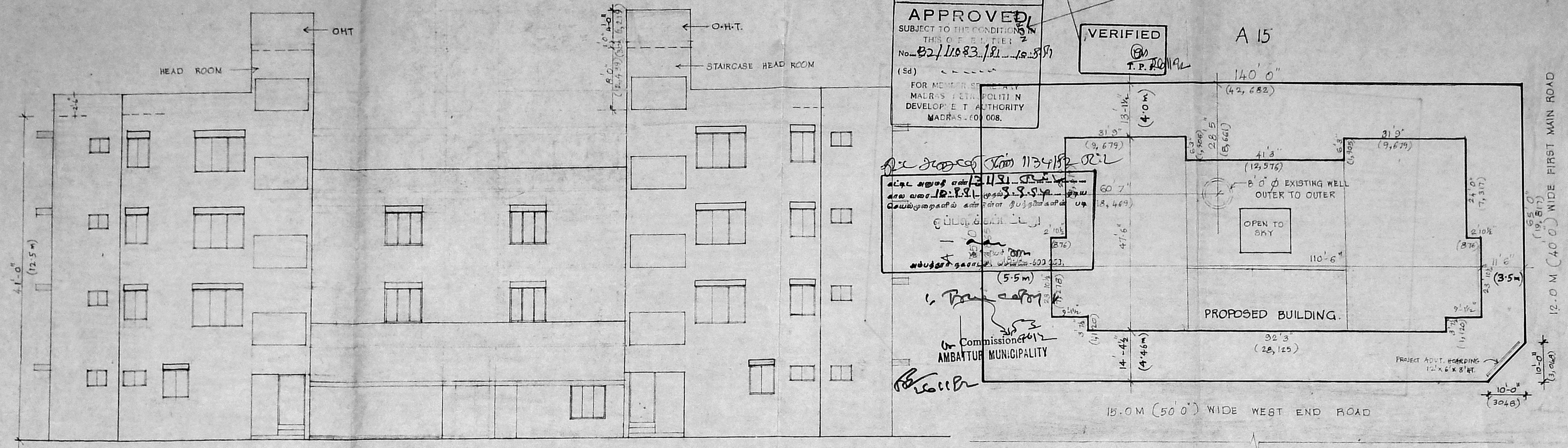
DRG. NO. 1

B/13586/273A 1b (S)

Planning Permit No. 13586/273A 1b (S)
APPROVED
SUBJECT TO THE CONDITIONS
THIS C.E. PLAN
No. 82/11083.181.15.871
(Sd) *[Signature]*
FOR MEMBERS OF THE
MADRAS STATE POLITICAL
DEVELOPMENT AUTHORITY
MADRAS-600 008.

VERIFIED
[Signature]
T.P. 10/11/19

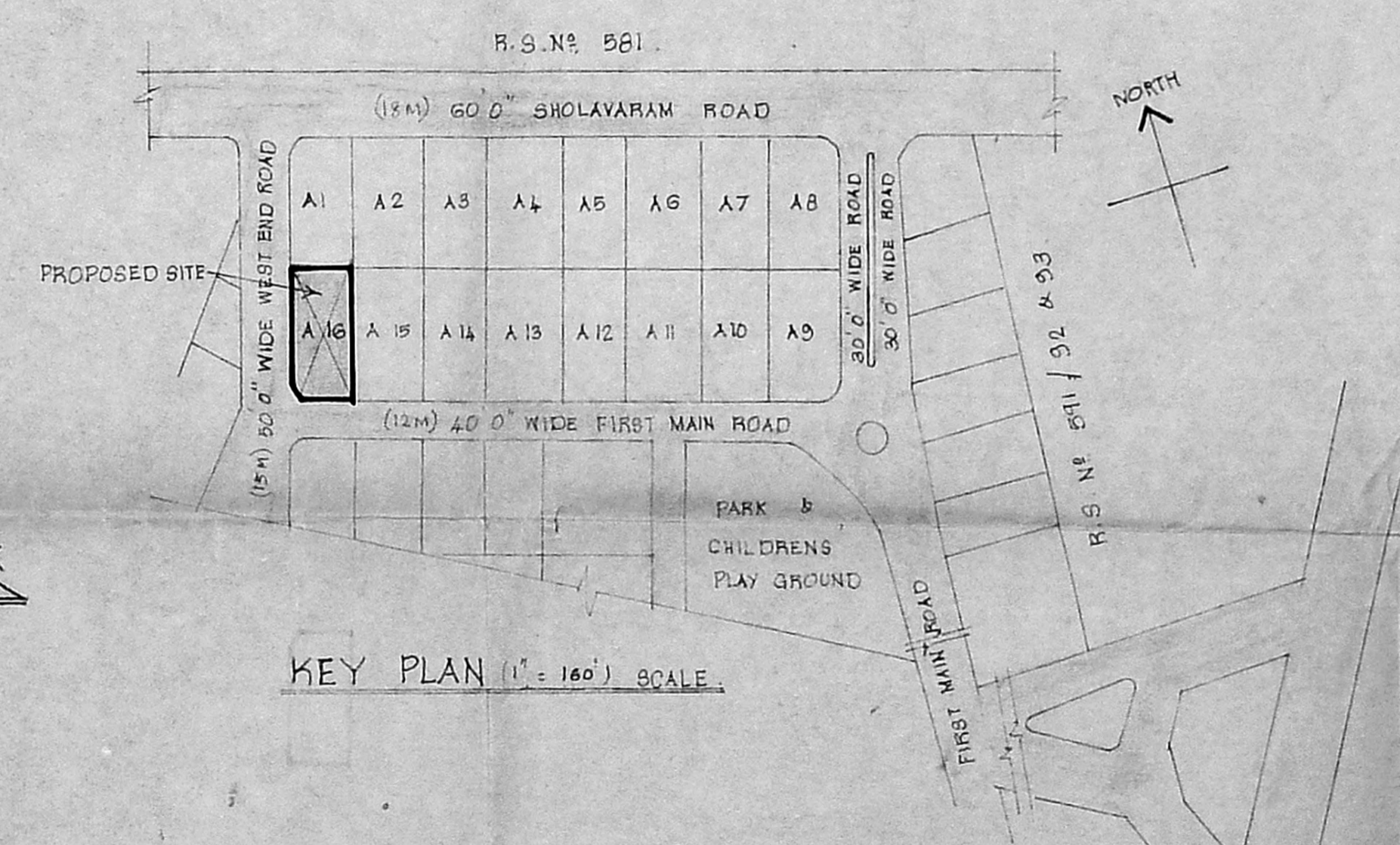
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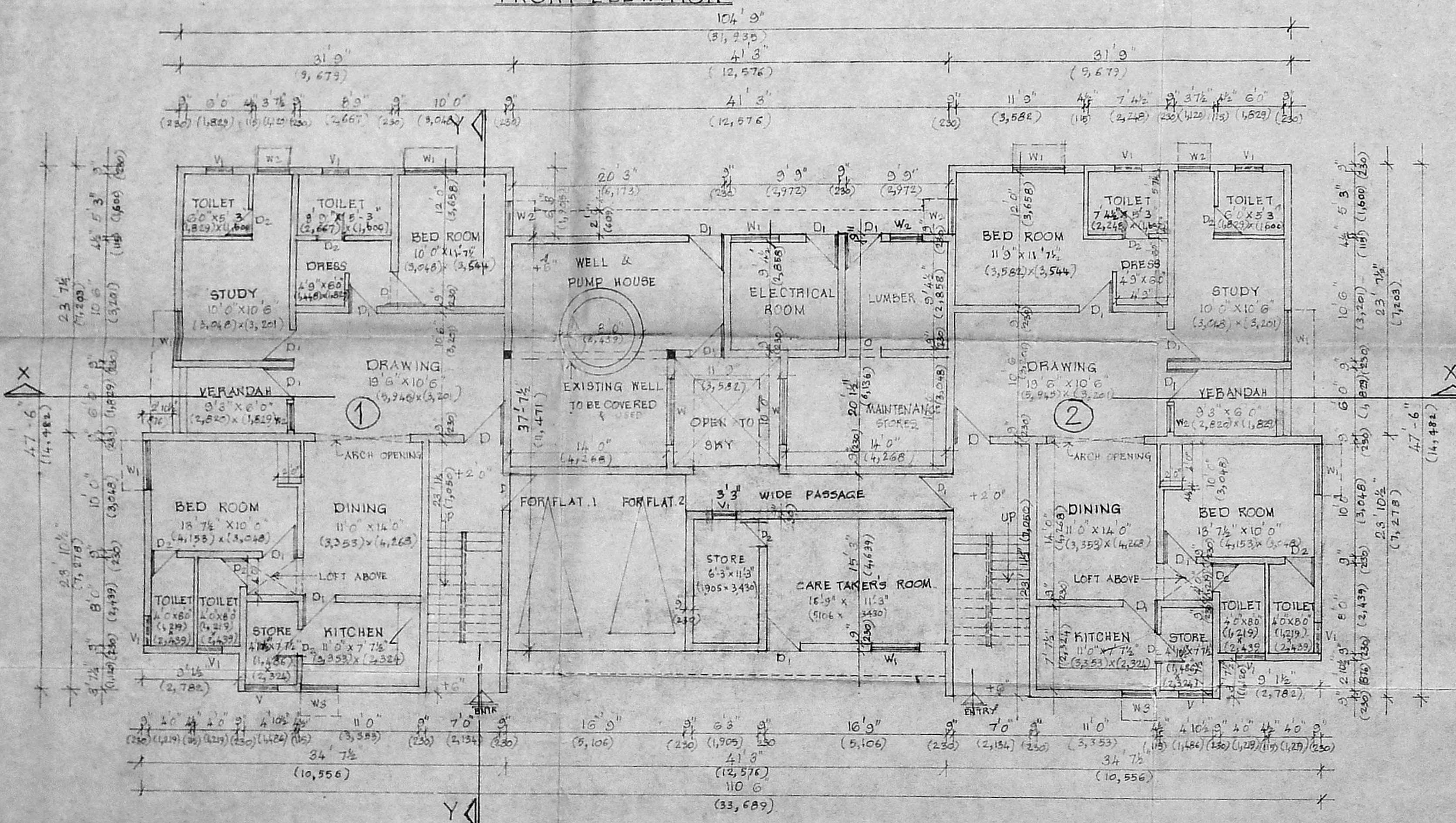
FRONT ELEVATION

[Handwritten notes in Tamil and English]
1. *[Signature]*
Commissioner
AMBATTUR MUNICIPALITY

SITE PLAN SCALE: 1"=16'0"



KEY PLAN (1"=160') SCALE



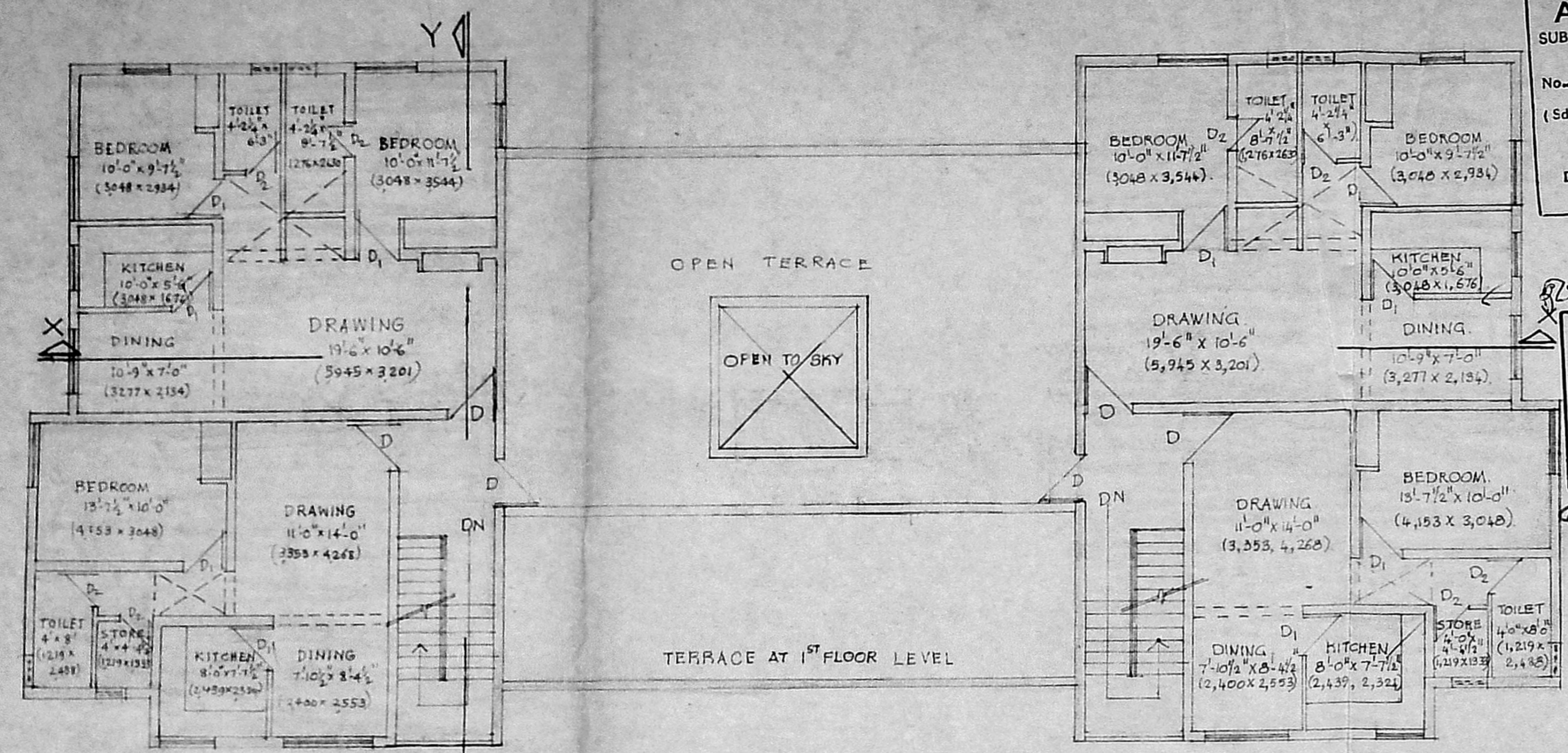
GROUND FLOOR PLAN

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S. No 588/1
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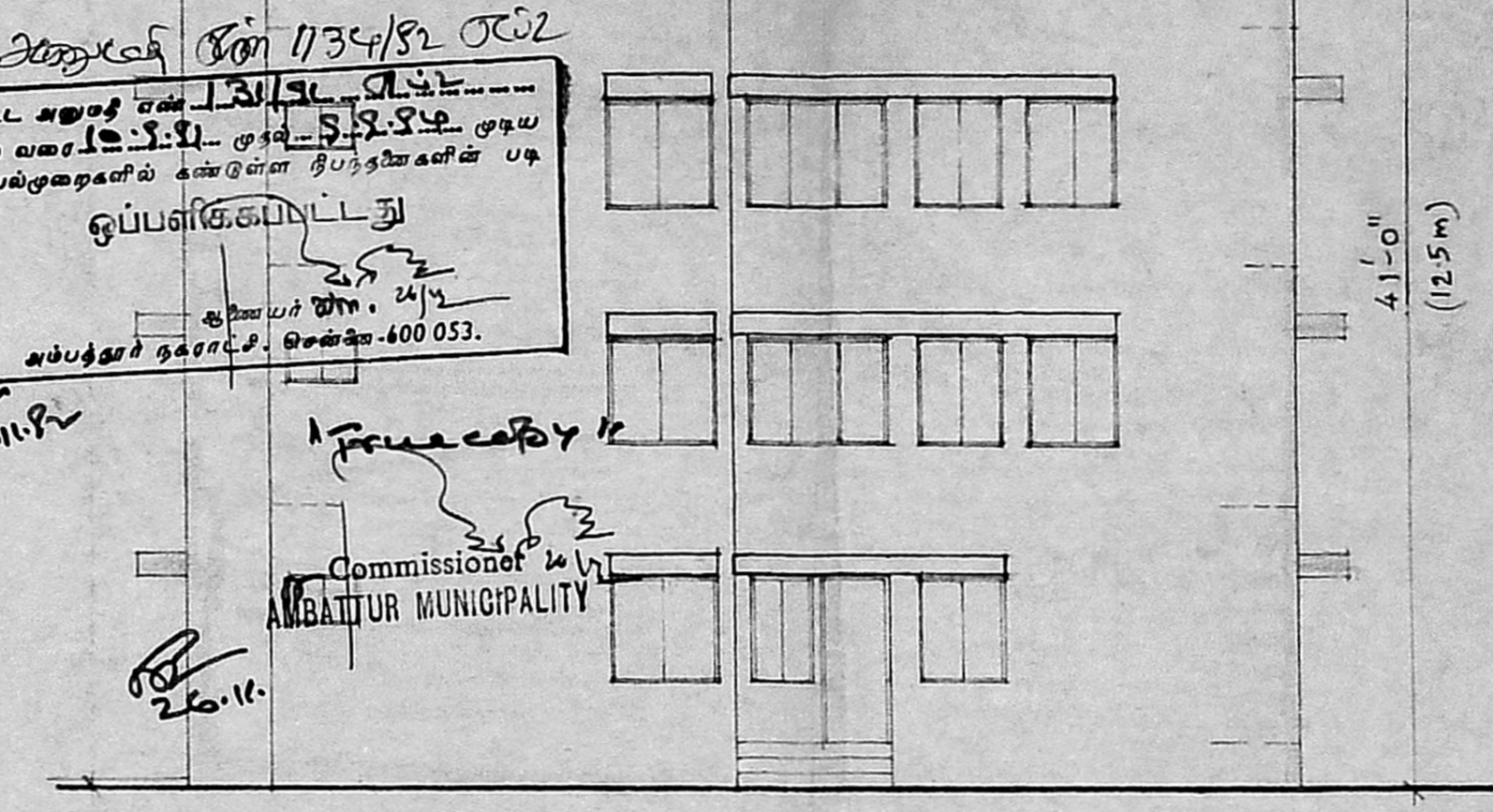
B/12586/273 C/D/81

Planning Permit No.
APPROVED
SUBJECT TO THE CONDITIONS IN
THIS OFF LETTER
No. B-11083/Sr. 15.2.81
(Sd) K. R. M.
FOR MEMBER SECRETARY,
MADRAS TOWN PLANNING
DEVELOPMENT AUTHORITY
MADRAS - 600 008.

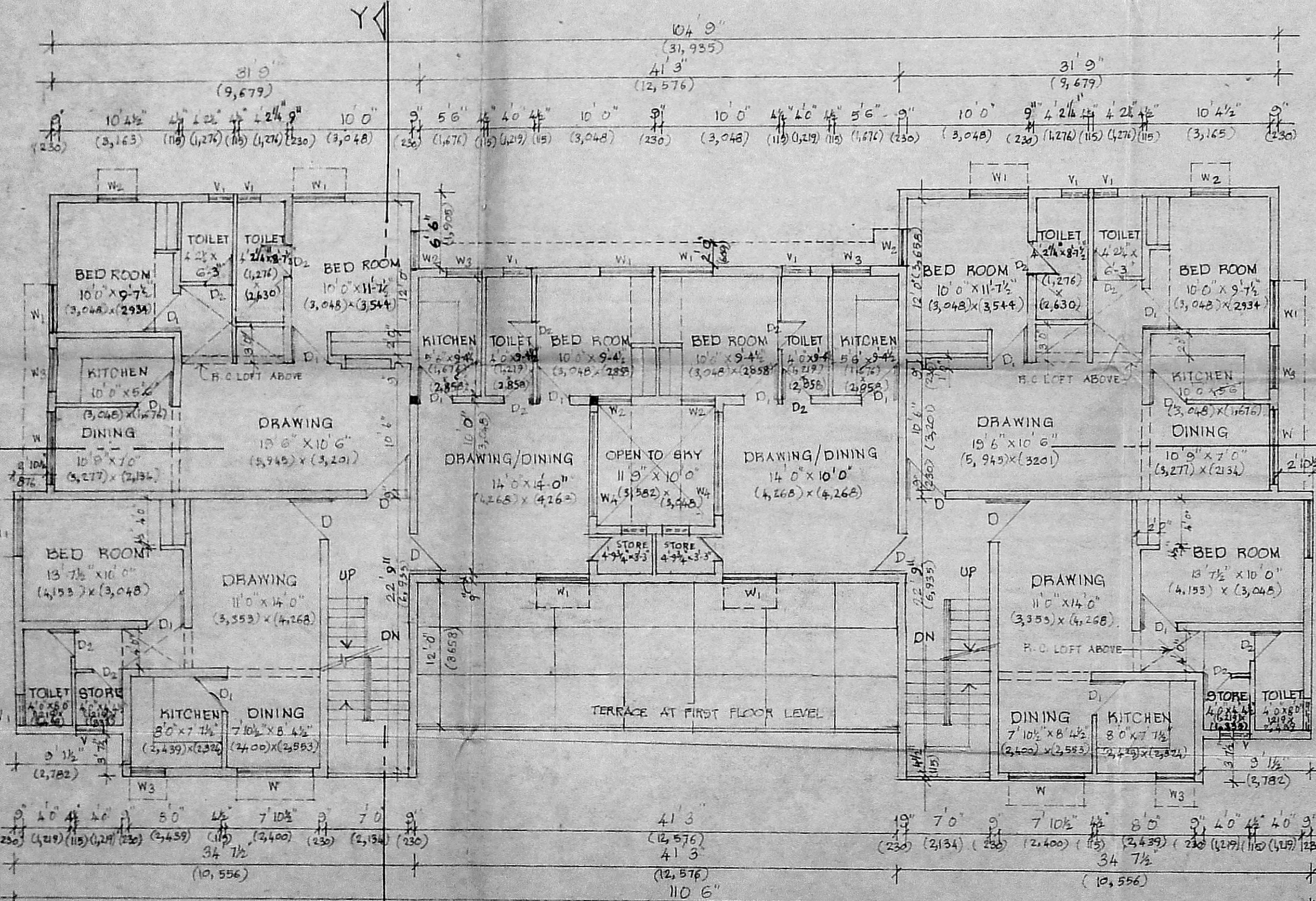
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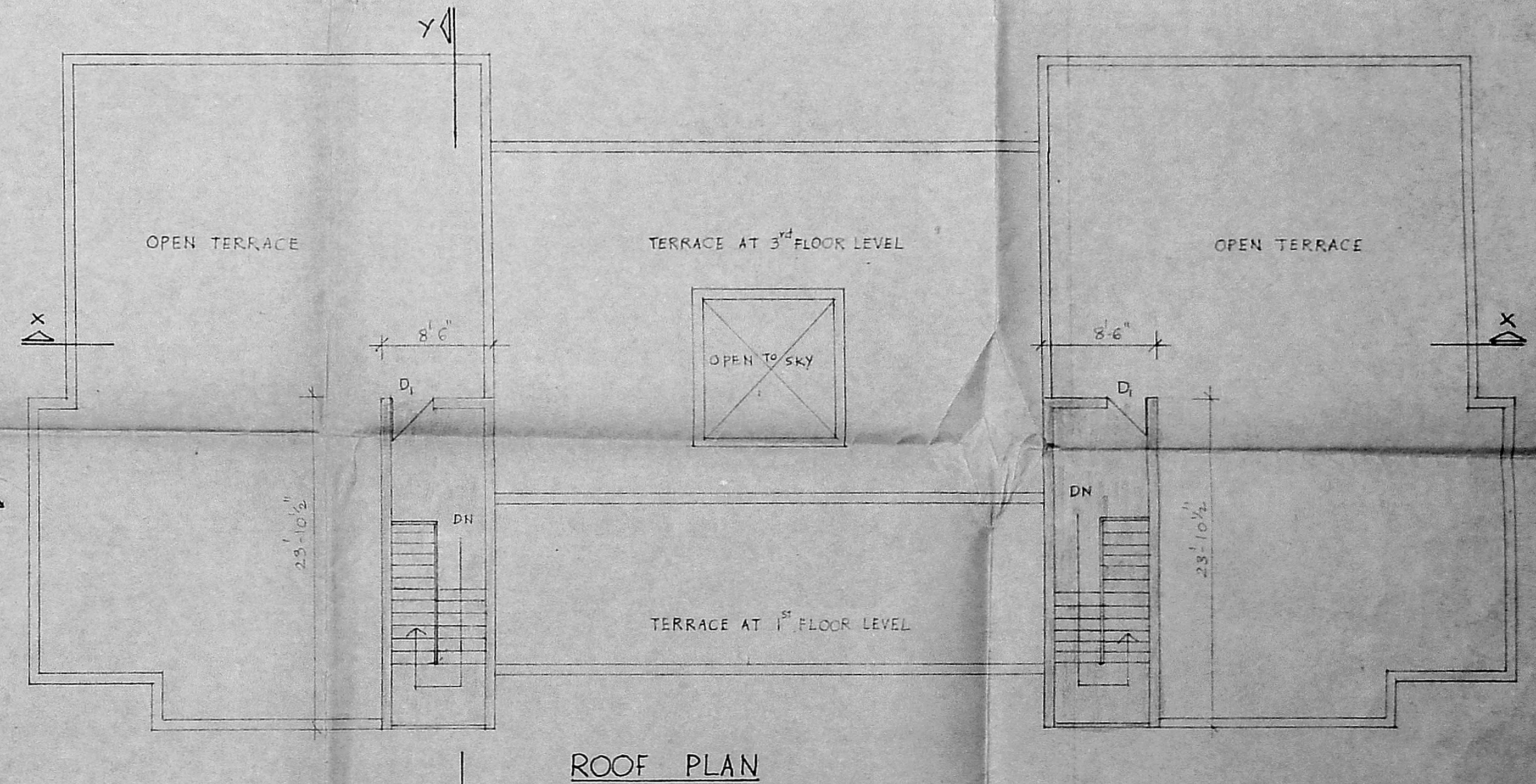
THIRD FLOOR PLAN



SOUTH SIDE ELEVATION



SECOND FLOOR PLAN



ROOF PLAN

POWER AGENT K. R. M.

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ARCHITECTS AND DESIGN CONSULTANTS
J-27, ANNA NAGAR, MADRAS-600 040.

DRG.
NO. 3

B/13586/273D/D/S1

Planning Permit No.

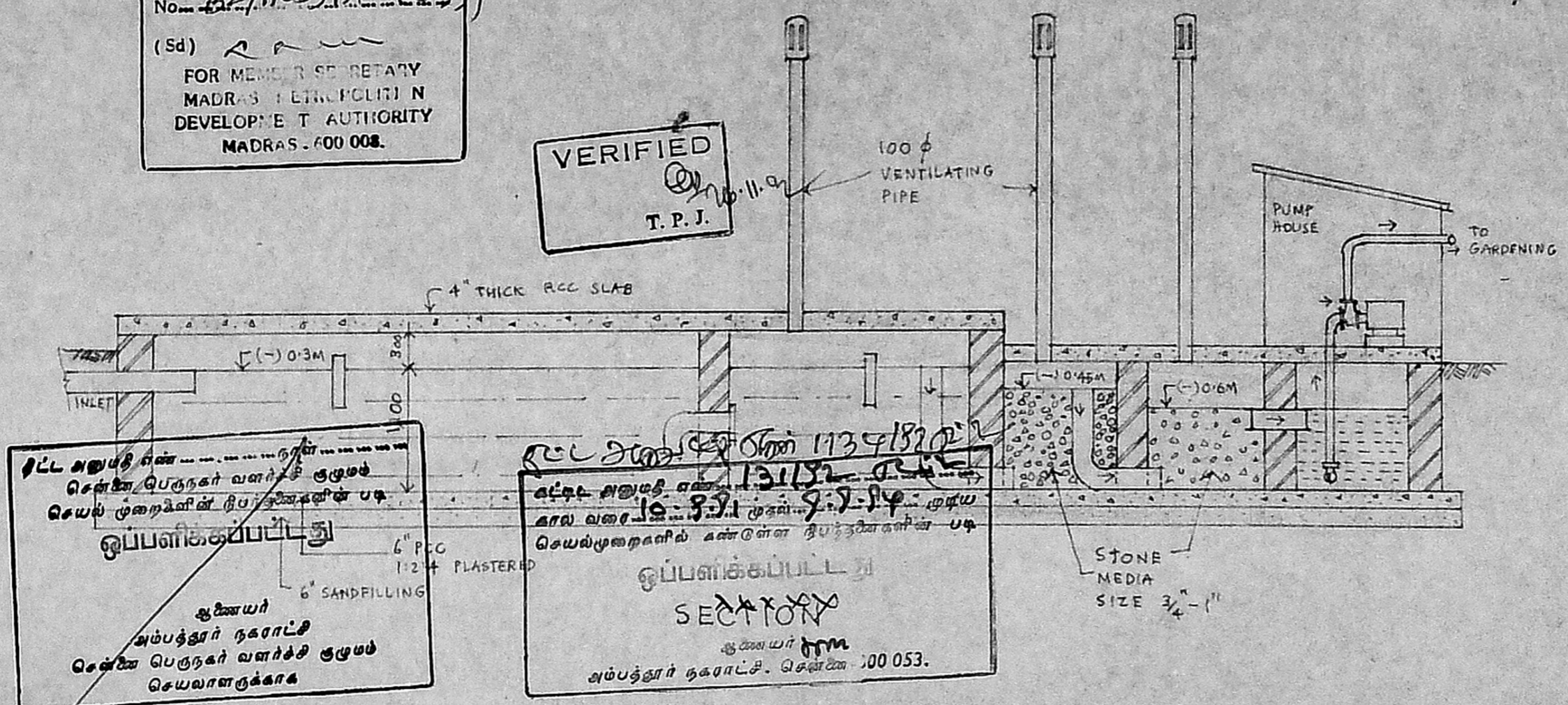
APPROVED

SUBJECT TO THE CONDITIONS IN THIS OFFLETTER

No. B2/11033/19.L.1059

(Sd) *[Signature]*
FOR MEMBERS SECRETARY
MADRAS METROPOLITAN
DEVELOPMENT AUTHORITY
MADRAS - 600 008.

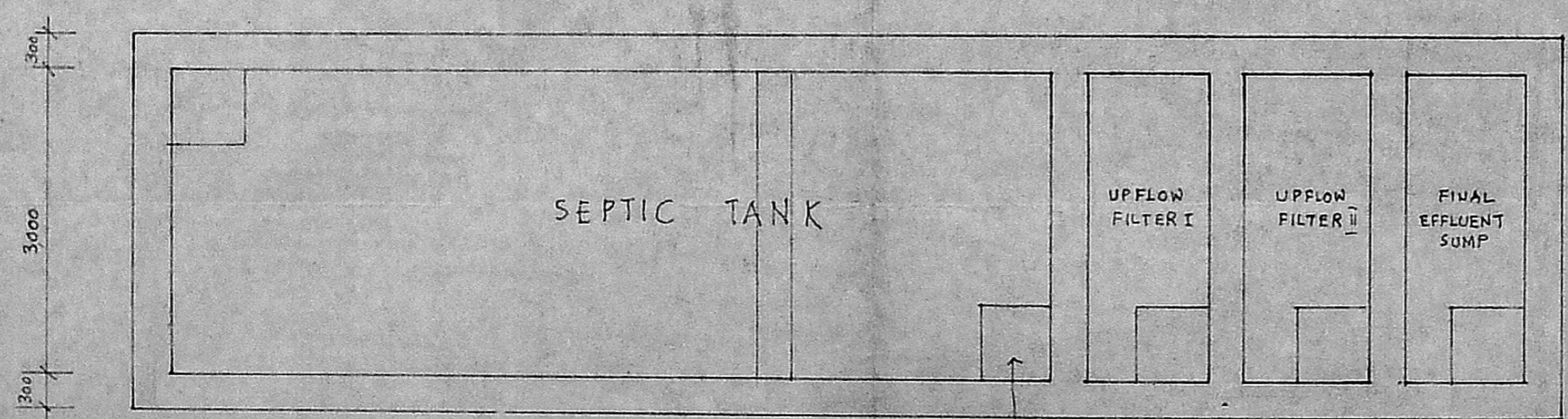
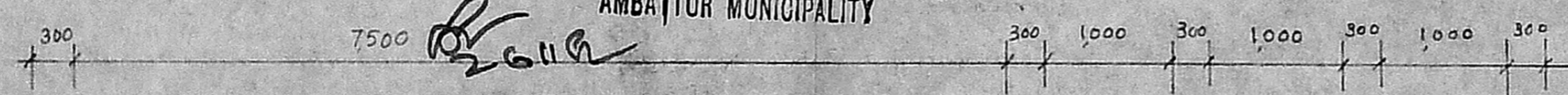
VERIFIED
T. P. J.



புல அலுவலர் அலுவலகம்
சென்னை பெருநகர் வளர்ச்சி குழு
செயல் முறைகள் நிபந்தனைகள் படி
ஒப்பளிக்கப்பட்டது
ஆணையர்
அப்பகுதி நகராட்சி
சென்னை பெருநகர் வளர்ச்சி குழு
செயலாளருக்காக

புல அலுவலர் அலுவலகம் 1134182
சென்னை பெருநகர் வளர்ச்சி குழு
செயல் முறைகள் நிபந்தனைகள் படி
ஒப்பளிக்கப்பட்டது
ஆணையர்
அப்பகுதி நகராட்சி, சென்னை 600 053.

Commissioner
AMBATTUR MUNICIPALITY



BOD OF RAW SEWAGE
300 mg/L - INLET

PLAN
SCALE 1:50

600x600
M4 COVER

BOD OF FINAL EFFLUENT
18 mg/L OUTLET

PROPOSED APARTMENTS FOR
MR. R. CHANDRASEKHAR IN PLOT No A-16
THIRUVENGADANAGAR, AMBATHUR, MADRAS
S.No. 588/1

DESIGN OF SEPTIC TANK & UPFLOW FILTERS.

SEPTIC TANK FOR 18 FLATS	
NO. OF USERS (5/FLAT)	18 x 5 = 90 or 100 Rounding
NO. OF FIXTURE UNITS (2/FLAT)	18 x 2 = 36 or 40
PEAK DISCHARGE	40 x 4 = 240 lpm

SEPTIC TANK DIMENSIONS	
SURFACE AREA NEEDED	240 x 0.32 = 2208 m ² say 2270
a) VOL. OF SEDIMENTATION (0.3M)	22 x 0.3 = 6.6 m ³
b) FOR DIGESTION	0.082 x 100 = 8.2 m ³
c) FOR SLUDGE STORAGE	0.002 x 215 x 100 = 4.3 m ³
d) FOR FREE BOARD INCLUDING PROVISION FOR SEED SLUDGE	22 x 0.3 = 6.6 m ³
	23.7 m ³

TOTAL DEPTH OF TANK = 23.7 = 1.08 m say 1.1m
PROVIDING LENGTH : BREADTH = 22 : 2.5 = 1
TANK DIMENSIONS ARE 7.5m x 3.0m x 1.1m

UPFLOW FILTER	
PEAK DISCHARGE FOR 100 USERS	240 lpm
VOLUME	100 x 0.045 = 4.5 m ³
LIQUID DEPTH OF SEPTIC TANK	1.1m
UPFLOW FILTER DEPTH 1.1 - 0.3 (FREEBOARD ALL 0.3)	= 0.8m
THEREFORE AREA NEEDED	4.5 / 0.8 = 5.625 m ²

SIZE OF UPFLOW FILTER	= 3.0m x 1.9m
UPFLOW FILTER I SIZE	= 3.0m x 1.0m x 0.8m
UPFLOW FILTER II SIZE	= 3.0m x 1.0m x 0.8m

[Signature]
POWER AGENT.

[Signature]
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ARCHITECTS AND DESIGN CONSULTANTS
U-27, ANNA NAGAR, MADRAS-600 104

DRG.
No. 5