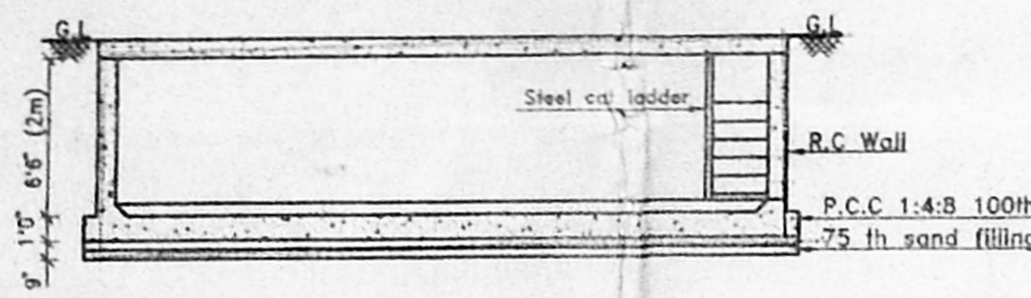
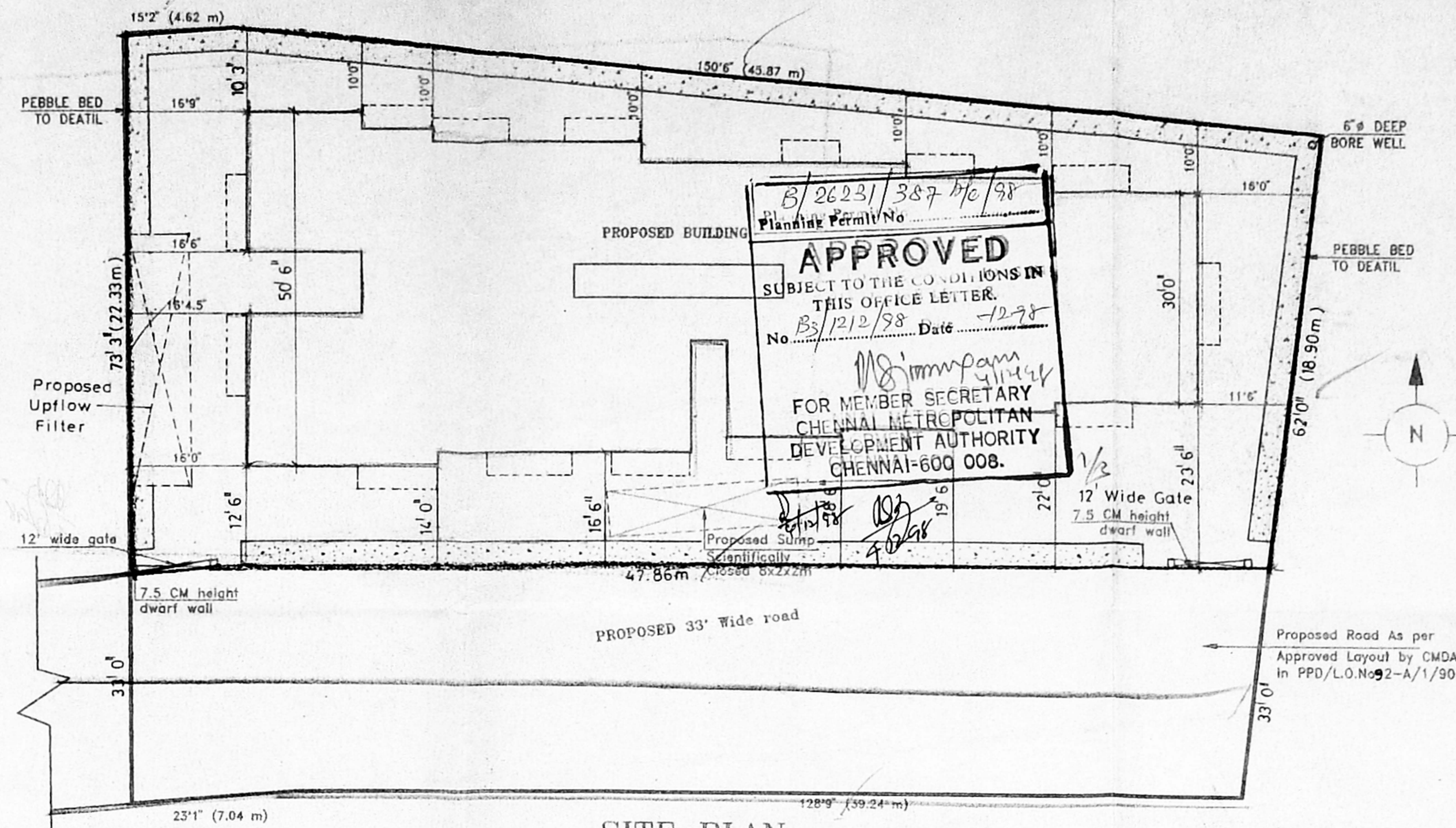


DETAILS OF SUMP

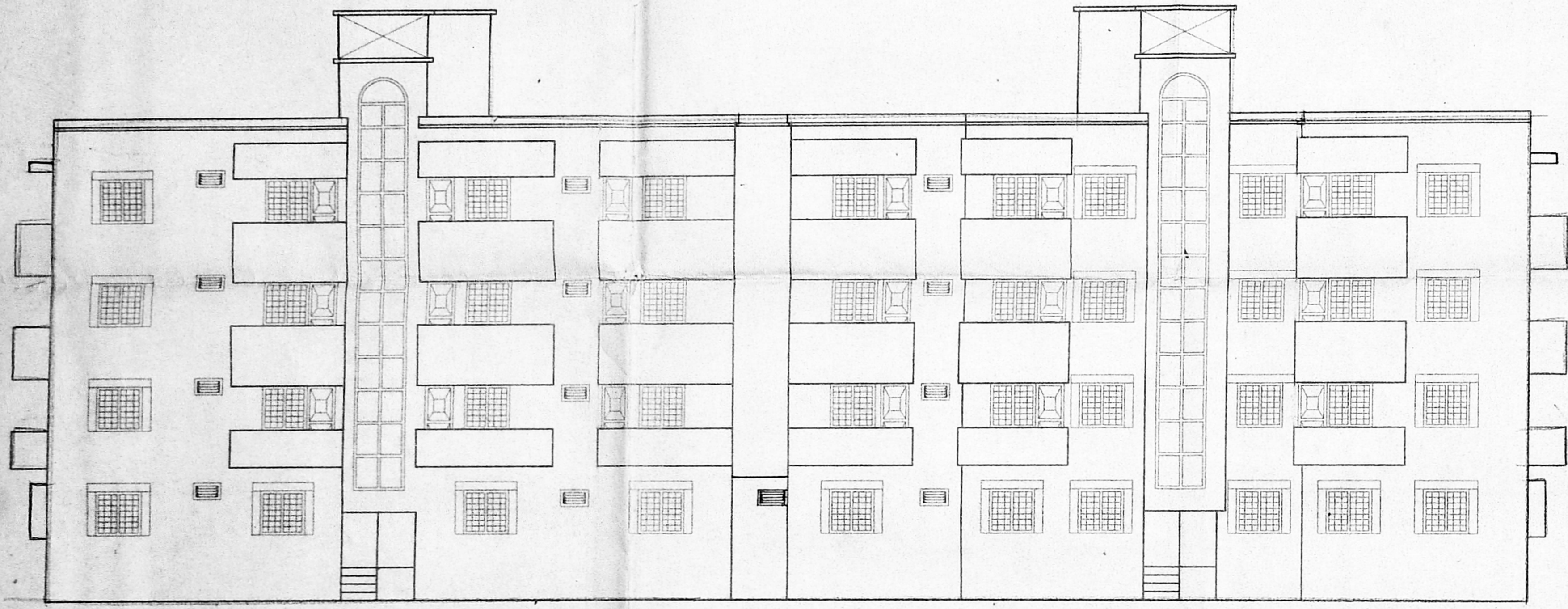


SECTION :B B

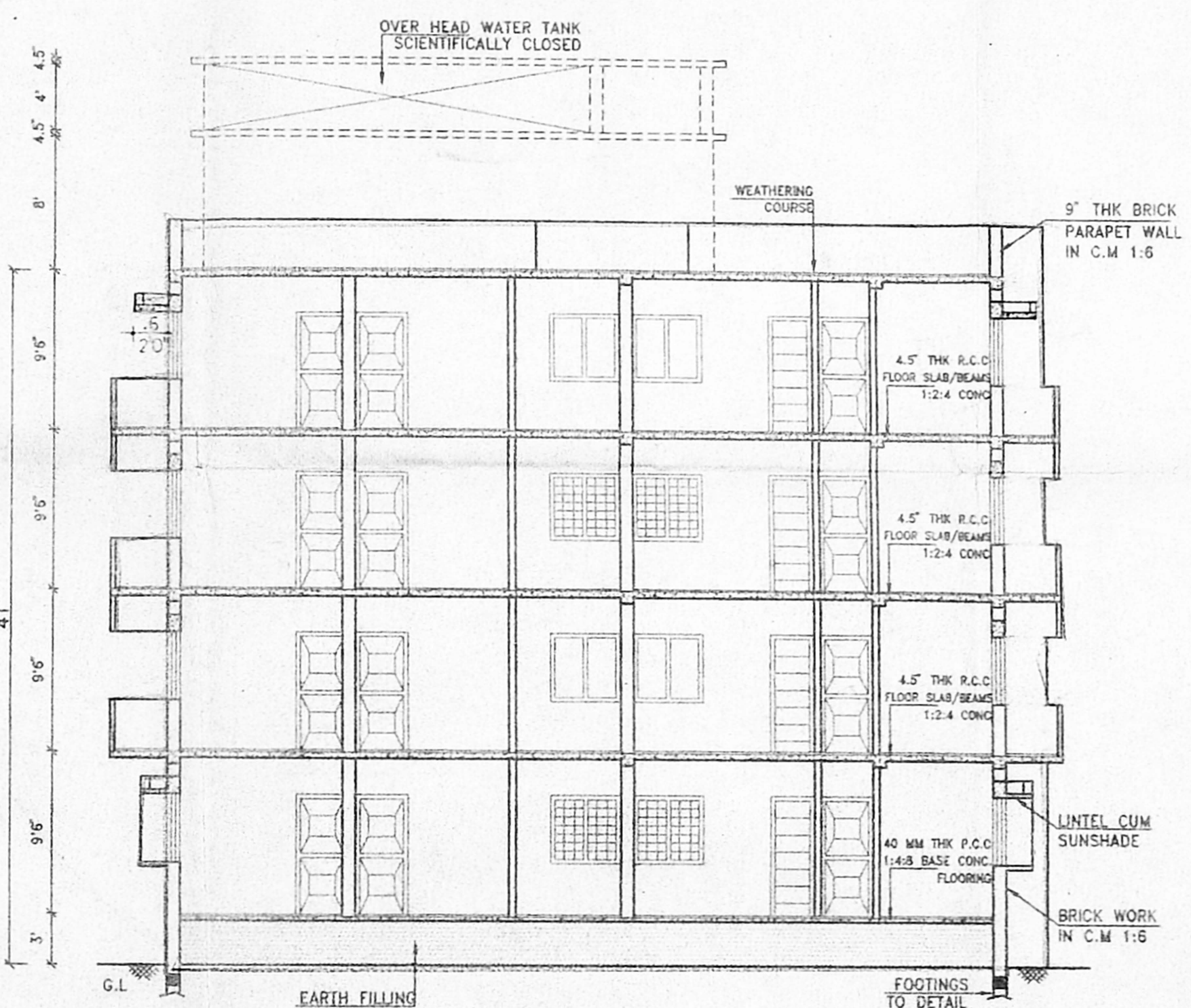


SITE PLAN

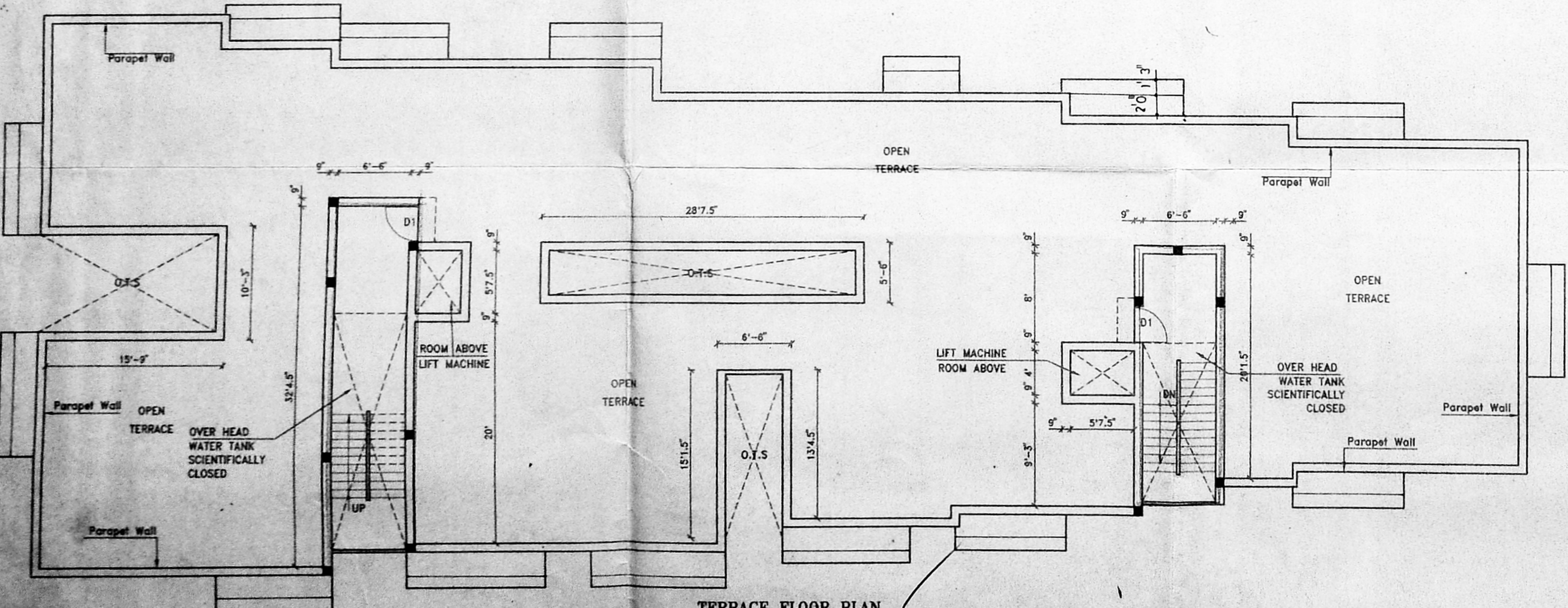
SCALE 1:200/1"=16'0"



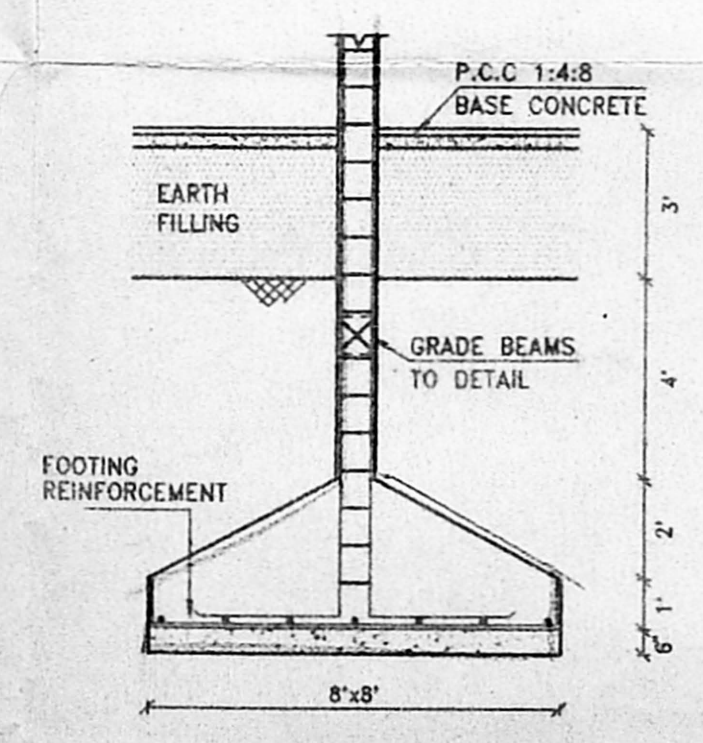
FRONT ELEVATION



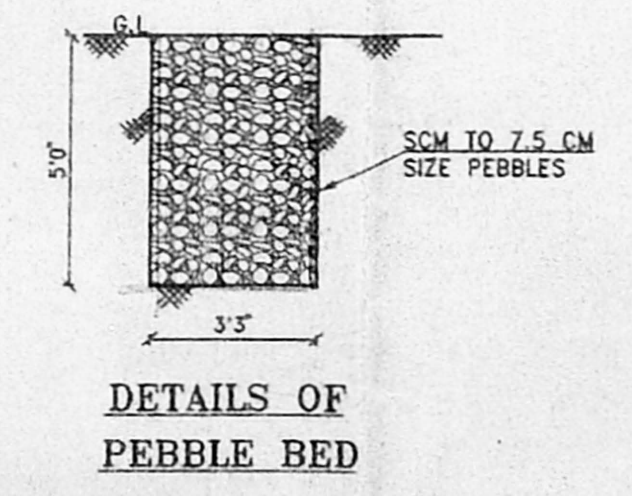
SECTION :A A



TERRACE FLOOR PLAN



DETAILS OF COLUMN FOOTING



DETAILS OF PEBBLE BED

SCHEDULE OF JOINERY SHEET NO 2/2	
D1- DOOR	Revised Plan
D2-DOOR	3'0" x 7'
D3-DOOR	
D&W-DOOR CURTAIN WINDOW	6'6" x 7'
W6- WINDOW	6'0" x 4'0"
W4- WINDOW	4'0" x 4'0" DP
V- VENTILATOR	2'6" x 1'6"

AREA STATEMENT

TOTAL PLOT AREA	1516.56 SQM
PROPOSED:	
GROUND FLOOR AREA	458.82 SQM
FIRST FLOOR AREA	509.83 SQM
SECOND FLOOR AREA	509.83 SQM
THIRD FLOOR AREA	509.83 SQM
TOTAL	1988.32 SQM

PLOT COVERAGE	33.60 %
FSI	1.31

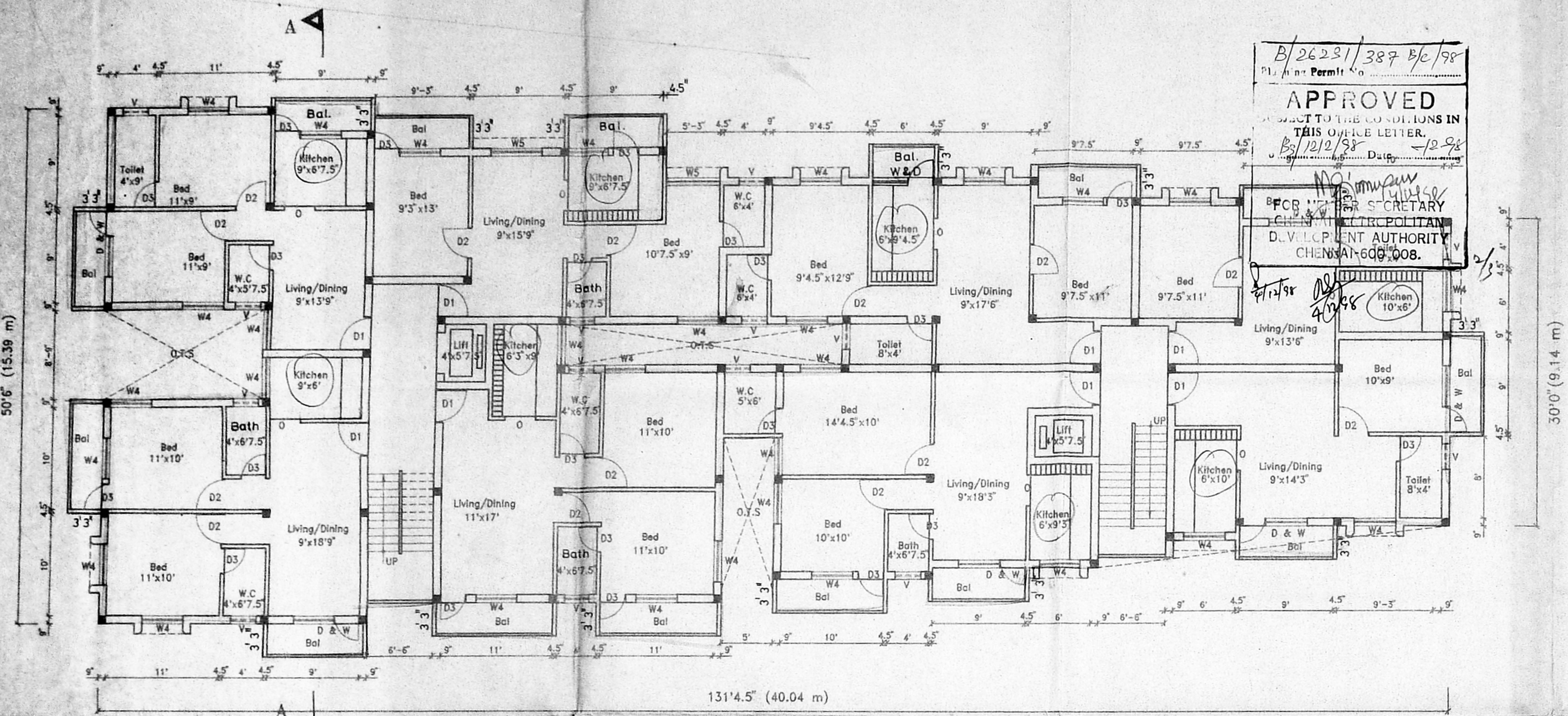
COLOUR INDEX

PROPOSED	
ROAD	
BOUNDARY	

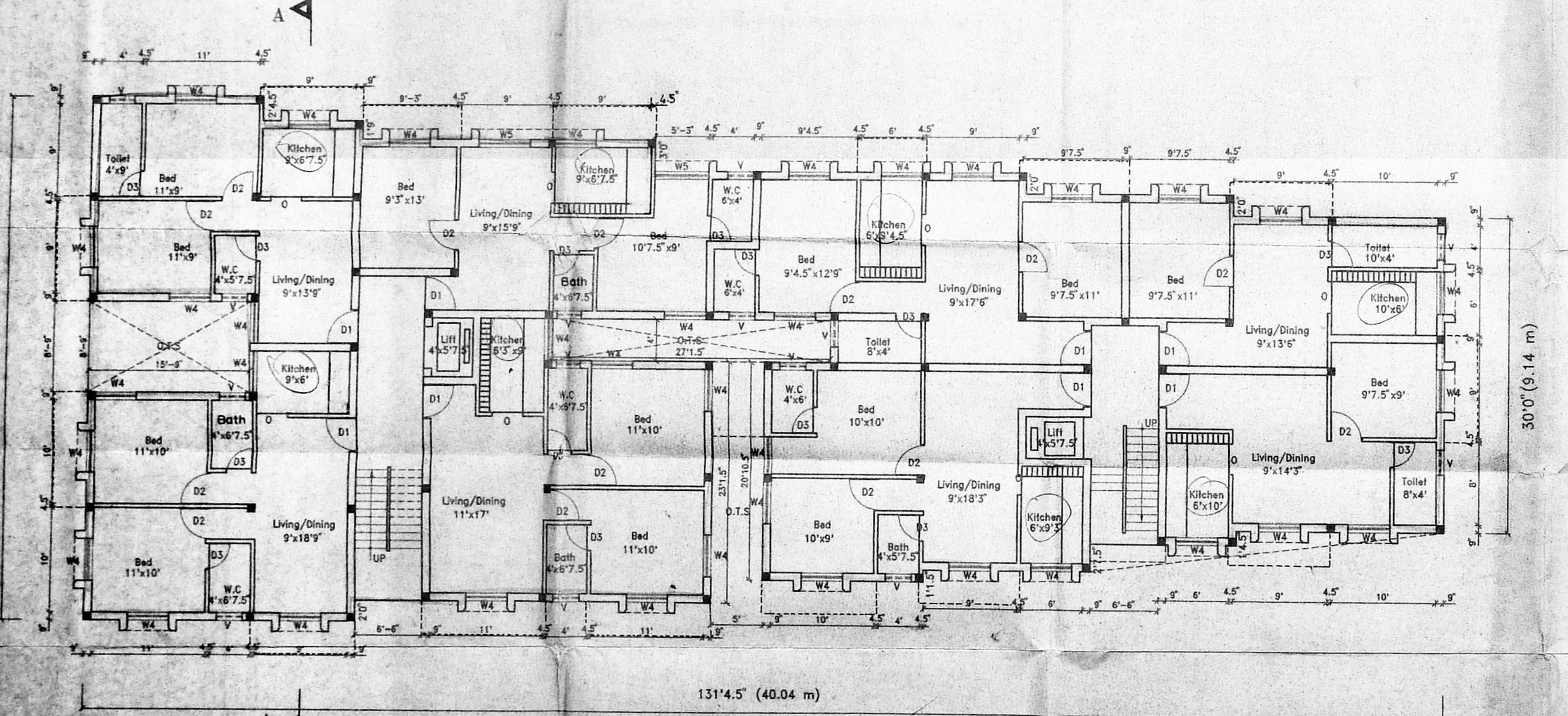
PROPOSED RESIDENTIAL FLATS
AT S.NO. 249/2B, VILLAGE NO 81,
MOGAPPAIR VILLAGE,
CHENGLEPET DIST,
SAIDAPET TALUK.

SCALE 1:100

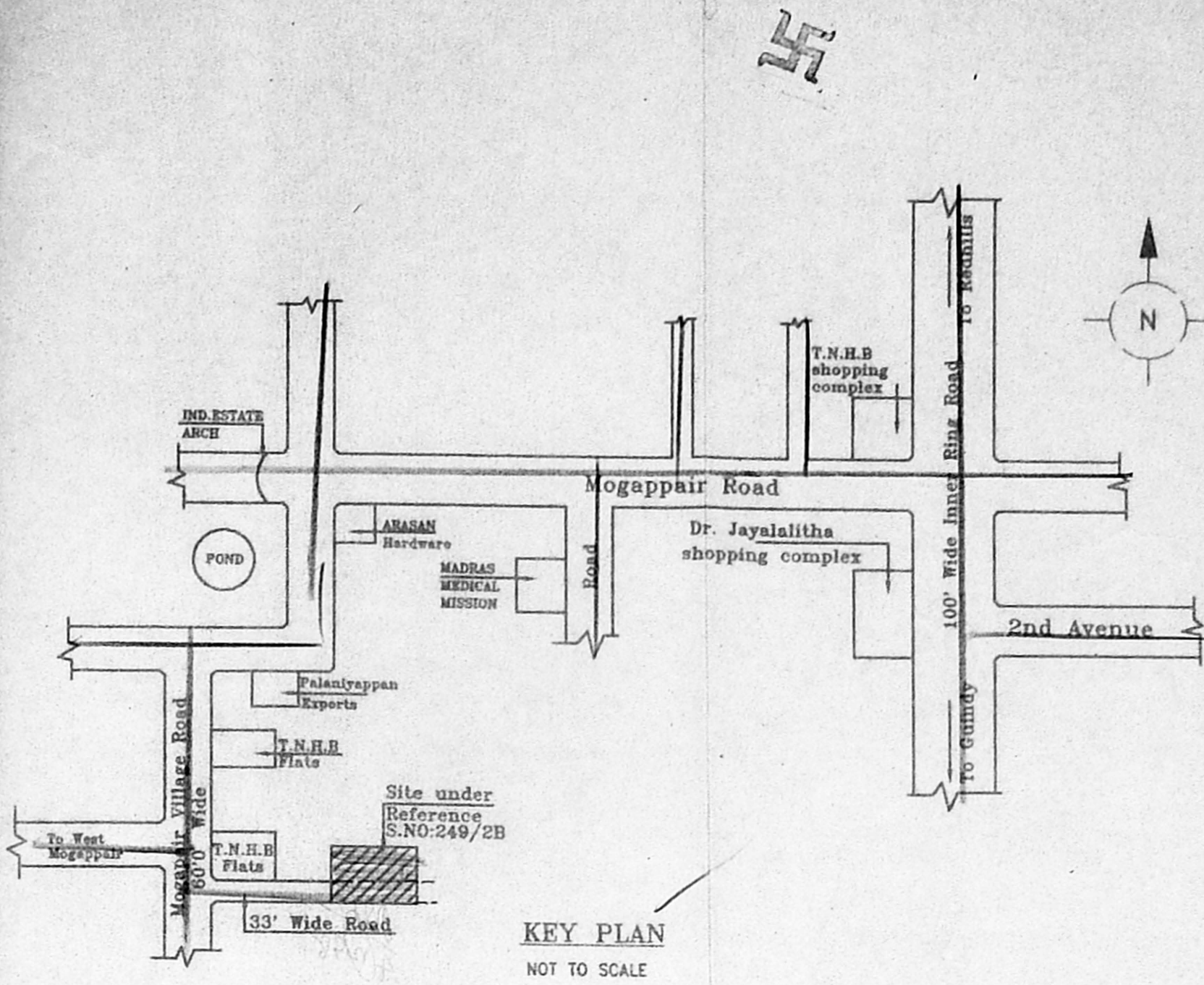
Owner
K. Selvam
K.SELVAM B.E., A.M.I.E.,
Consulting civil Engineer & Chartered Engg.,
Class I Licensed Surveyor. Reg No: 800.
Corporation of Chennai & Ambattur Municipality.
K. SELVAM, B.E., AMIE, C.Eng (I), A.L.V.,
Consulting Civil Engineer, Chartered Engineer
Approved Valuer, Licensed Surveyor
Class-I, Reg No 319/98-99
Corporation of Chennai & Ambattur Municipality
No. 1/370, Mogappair East,
CHENNAI-600 050,
Licensed Surveyor



TYPICAL FIRST, SECOND AND THIRD FLOOR PLAN 8x3 = 24



GROUND FLOOR PLAN 8x3 = 24



SCHEDULE OF JOINERY		SHEET NO 1/2
D1- DOOR	3'3" x 7'	
D2- DOOR	Revised Flag 6' x 7'	
D3- DOOR	2'6" x 7'	
D&W- DOOR CUM WINDOW	6'6" x 7'	
W6- WINDOW	6'0" x 4'0"	
W4- WINDOW	4'0" x 4'0"	
V- VENTILATOR	2'0" x 1'0"	

CMDA (B)/ No. /
 B₃/12/2/98
 P.A. 12/1/98
 A.P. 12/1/98
 D.P. 12/1/98

AREA STATEMENT	
TOTAL PLOT AREA	1516.56 SQM
PROPOSED:	
GROUND FLOOR AREA	458.82 SQM
FIRST FLOOR AREA	509.83 SQM
SECOND FLOOR AREA	509.83 SQM
THIRD FLOOR AREA	509.83 SQM
TOTAL	1988.32 SQM
PLOT COVERAGE	33.60 %
FSI	1.31

COLOUR INDEX	
PROPOSED	
ROAD	
BOUNDARY	

PROPOSED RESIDENTIAL FLATS
 AT S.NO. 249/2B, VILLAGE NO 81,
 MOGAPPAIR VILLAGE,
 CHENGLEPET DIST,
 SAIDAPET TALUK.

SCALE 1:100

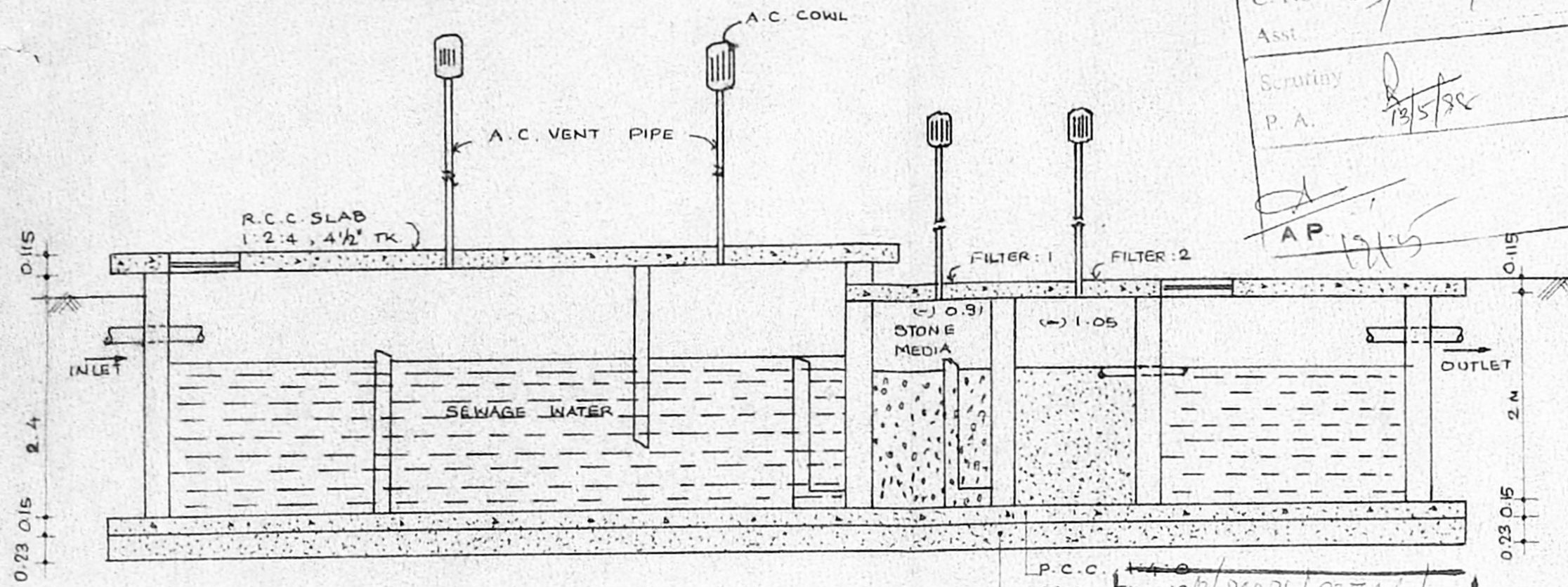
Owner

K.SELVAM B.E., A.M.I.E.,
 Consulting Civil Engineer, Chartered Engineer,
 Class-I Licensed Surveyor, Reg. No. 800
 Corporation of Chennai & Ambattur Municipality,
 No: 1/370, Mogappair East,
 CHENNAI-600 050.
Licensed Surveyor

DESIGN OF SEPTIC TANK WITH UPFLOW

FILTER SYSTEM:

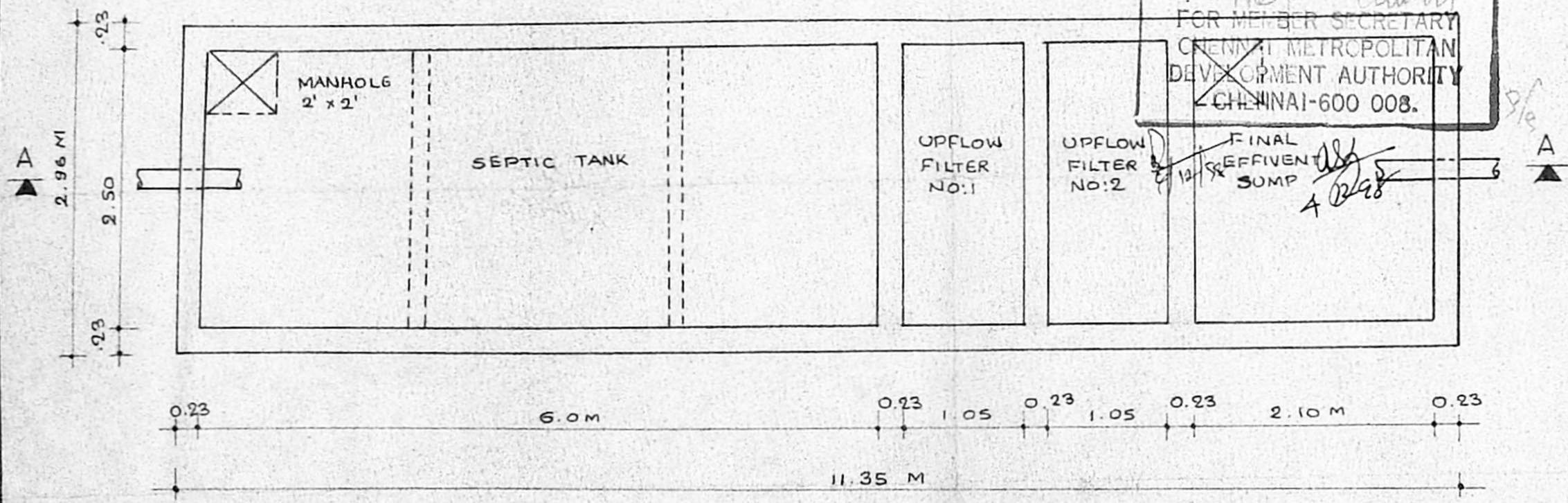
NO. OF DWELLINGS	32
NO. OF USERS	32 x 5 = 160 PERSONS
RATE OF WATER SUPPLY IS	150 LPH / DAY
THERE FLOW OF SEWAGE PER DAY	160 x 150 = 24000
RETENTION PERIOD IS	18 HRS.
TANK CAPACITY	24000 x 18 / 24 = 18000 LTS.
THE TANK IS TO BE CLEANED EVERY YEAR. SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LTS. FOR PERSON/YEAR WITH PROVISION FOR FUTURE EXPANSION LET THE TOTAL TANK CAPACITY 30000 LTS (OR) 30 m ³	24 x 15 = 360 LTS. 18000 + 360 = 18360 LTS. 30 m ³
DEPTH OF LIQUID AS	2 m
PLAN AREA OF THE TANK 30/2	15 m ²
THE RATIO OF LENGTH TO WIDTH OF TANK BE	3
LENGTH x BREADTH x 3	15 m ²
BREADTH OF TANK	2.5 m
LENGTH OF TANK	6 m
FREEBOARD OF THE TANK	0.40 m
TOTAL DEPTH OF THE TANK 2 + 0.40	2.4 m
PROVIDE TWO SEPTIC TANK EACH	
UPFLOW FILTERS	6.0 x 2.5 x 2.4 m
DISCHARGE FOR 370 PERSONS	55000 LTS.
VOLUME 370 x 0.45	16.65 m ³
DEPTH 1.10 x 0.30	0.80 m
PLAN AREA REQUIRED 16.65 / 0.80	21 m ²
SIZE OF FINAL EFFLUENT SUMP	2.10 x 2.5 x 2 m
UP FLOW FILTER NO:1	1.05 x 2.5 x 0.80
UP FLOW FILTER NO:2	1.05 x 2.5 x 0.80



SECTION-AA

FILLING B/26231/387 C/C/98
Planning Permit No

APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
No. B3/1212/98 Date 12/98
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
CHENNAI-600 008.



PLAN

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER SYSTEM FOR THE PROPOSED RESIDENTIAL FLATS AT S.NO:249/2B, VILLAGE NO: 81, MOGAPPAR VILLAGE, SAIDAPET TALUK, CHENGELPET DISTRICT.

K. SELVAM, BE., A.M.I.E.,
Consulting Civil Engineer, Chartered Engineer,
Class-1 Licensed Surveyor, Reg. No: 800
Corporation of Chennai & Ambattur Municipal
No: 1/370, Mogappair East,
LICENSED CHENNAI-600 050.
SURVEYOR

OWNER