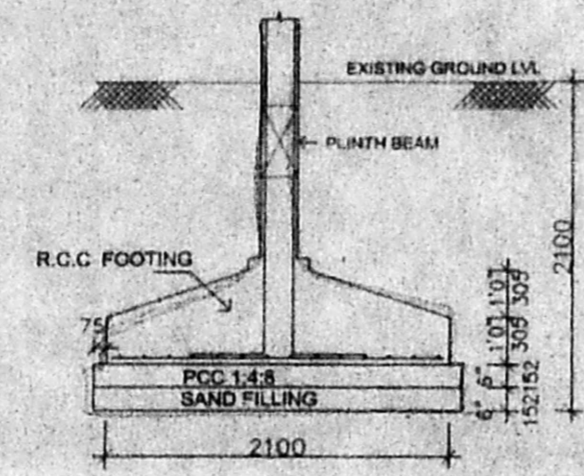
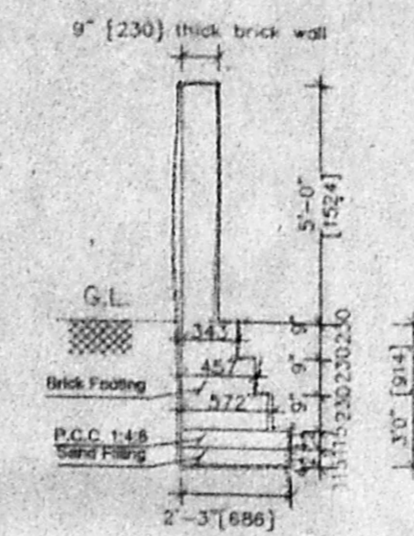


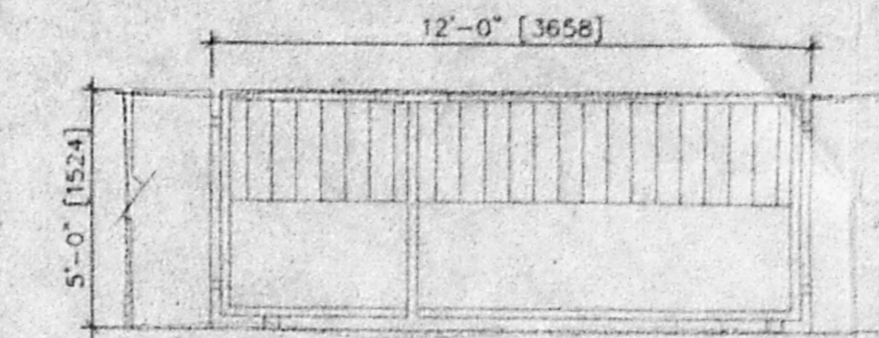
Conservation of rain water Percolation Pit (Scale: 1:25)



Typical Column Footing Detail Scale 1" = 4'0" (1:50)



Section of Compound Wall Scale: 1" = 4'0" (1:50)



Elevation Of Gate Scale: 1" = 4'0" (1:50)

SCHEDULE OF DOORS

TYPE	WIDTH	HEIGHT	DESCRIPTION
D1	3'6" (1067)	7'0" (2135)	T.W. DOOR
D2	3'0" (915)	7'0" (2135)	T.W. DOOR
GMDA (B) / No. 111			
C.No. B2/23235/2002			
App: 60' (1830) 48' (1420) T.W. FRAME WINDOW			
Section: 40' (1220) 40' (1220) T.W. FRAME WINDOW			
P. A. [Signature] 20' (610) T.W. COVERED VENTILATOR			
OP1: 3'0" (915) 7'0" (2135) T.W. DOOR			
A.P. [Signature] D.P. [Signature]			

SEPECIFICATIONS:

FOUNDATION:
R.C. COLUMN FOUNDATION AND TIE (PLINTH) BEAMS OVER A BED OF P.C.C. 1:4:8 SAND CUSHIONS.

SUPER STRUCTURE:
115 THK. INTERNAL & 230 THK. EXTERNAL WALLS IN C.M 1:5 WITH PLASTER IN C.M 1:5

R.C.C. WORK:
R.C. COLUMNS, BEAMS, SLABS, LINTELS, AND SUNSHADES IN 1:2:4 MIX ADEQUATELY REINFORCED.

FLOORING:
MOSAIC FLOORING

WEATHERING COURSE:
ONE SET OF BRICK JELLY LIME CONCRETE MIXED WITH CRUDE OIL. POINTED AND LAID TO SLOPE.

NOTE:
UNDER GROUND SUMP AND OVER HEAD WATER TANK ARE SCIENTIFICALLY CLOSED.

COLOUR CODE REFERENCE

PROPOSED WORK	[Symbol]
EXISTING ROAD	[Symbol]
BOUNDARY LINE	[Symbol]
SEWER LINE	[Symbol]

AREA STATEMENT:

	SQ FT	SQ MT
PLOT AREA	7316.8	860
ALLOWED F.S.I. (15%)	10,975.2	1020
AREA UNDER F.S.I.:		
GROUND FLOOR AREA	741.8	88.8
STILT FLOOR AREA (NON F.S.I. AREA)	2015.7	187.3
FIRST FLOOR AREA	2756.7	256
SECOND FLOOR AREA	2756.7	256
THIRD FLOOR AREA	2822.7	243.7
FOURTH FLOOR AREA	2050.8	190.5
	10,928.5	1015.3
NON F.S.I. AREA:		
STAIRCASE HEAD RM.	371.5	113.23
LIFT MACHINE RM.	170.5	51.9
TOTAL BUILT-UP AREA	10,928.5	1015.3
PLOT COVERAGE:		
ACTUAL F.S.I. COVERED:	1.49	
NO. OF 4 WHEELER PARKING:	8 Nos.	
NO. OF 2 WHEELER PARKING:	4 Nos.	

CREATA ENTERPRISES AND DEVELOPERS (P) LTD.
I.C. Nagar Director

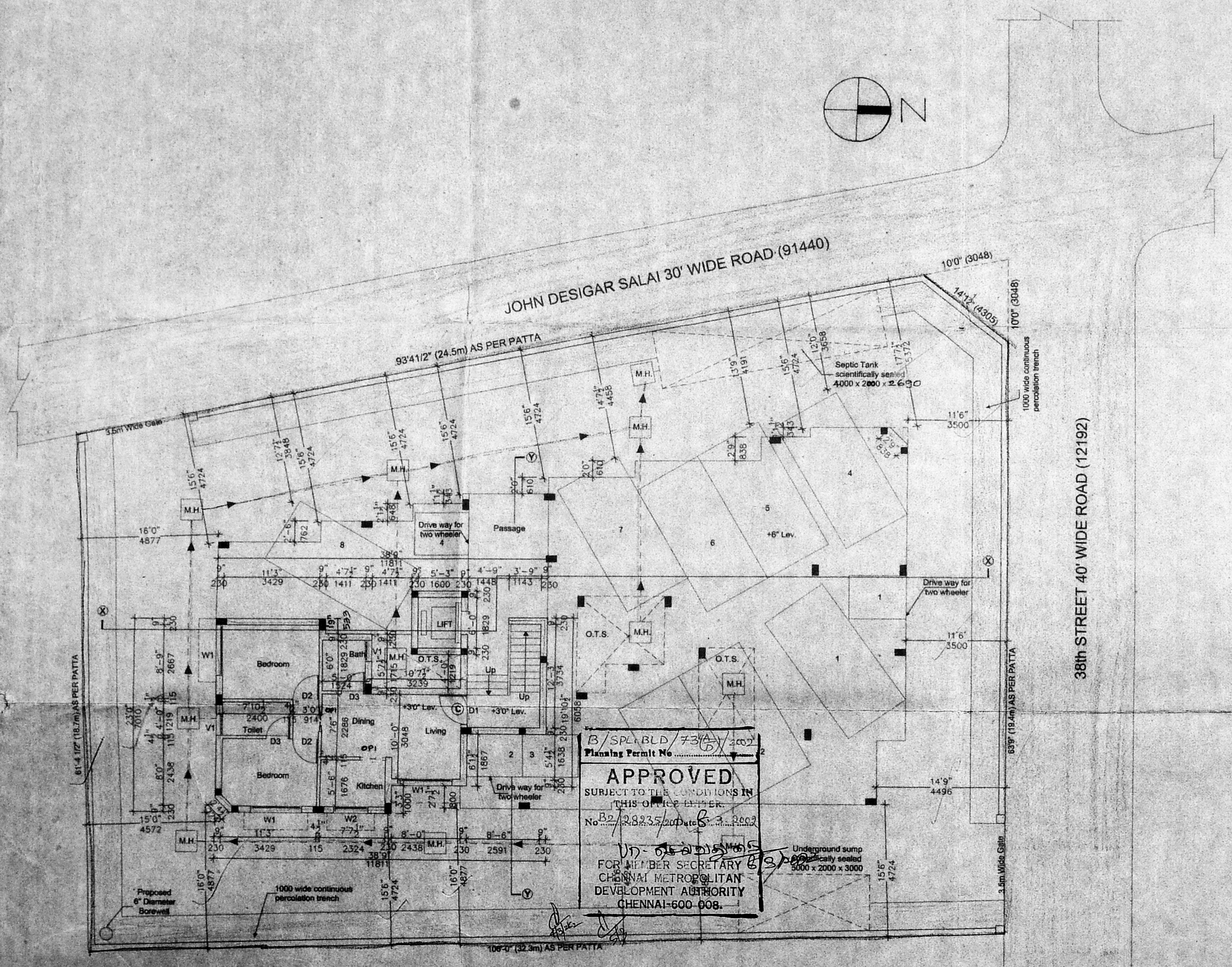
SIGNATURE OF OWNER: [Signature]

SIGNATURE OF LICENSED SURVEYOR: [Signature]

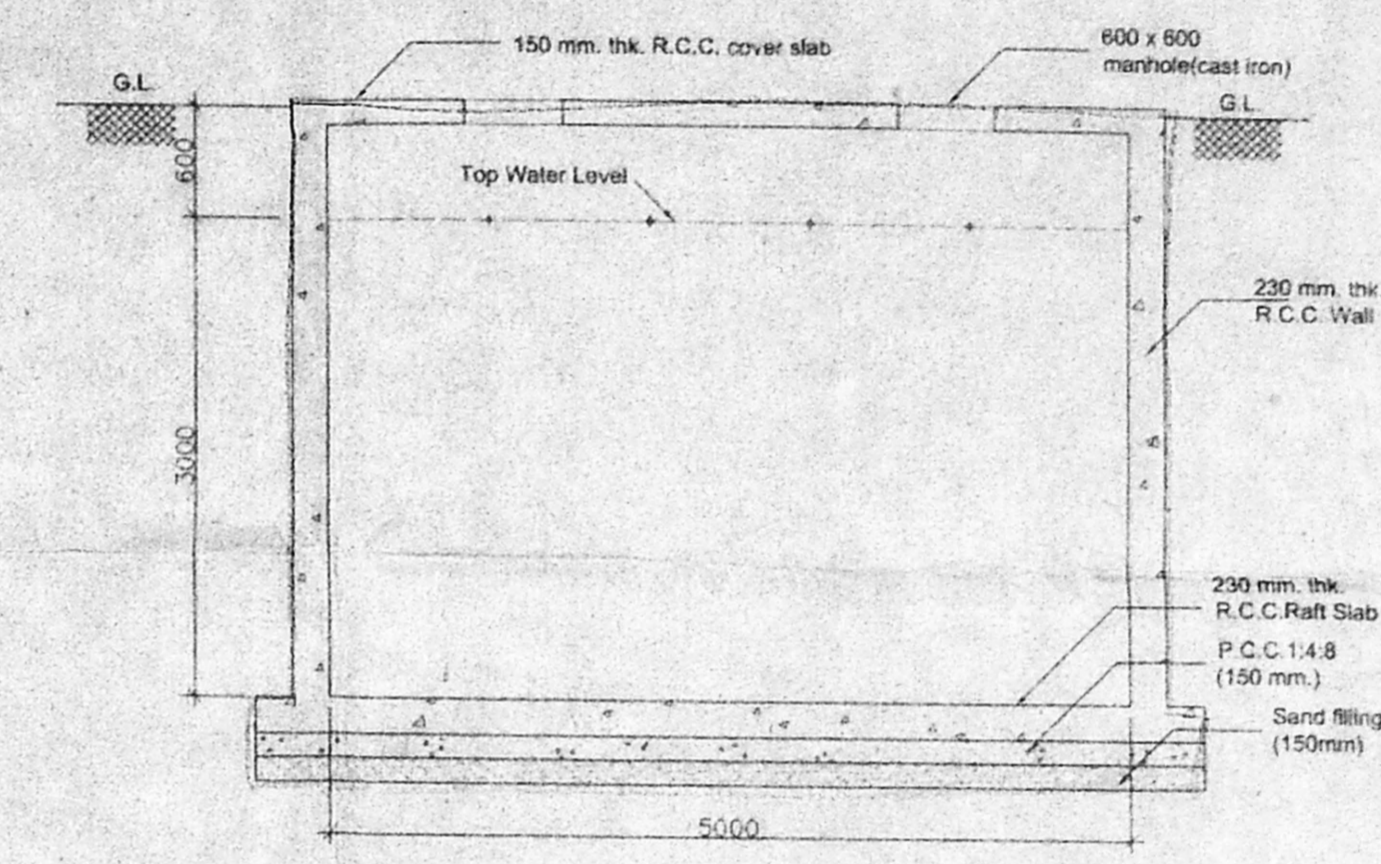
V. LAKSHMANAN, B.E., M.I.E., F.I.V. M.I., Struct. E.
Chartered Engineer, Valuer & Class-1
Licensed Surveyor No. 92
20, Shaifee Mohammed Road
Chennai - 600 006
☎ - Off: 8293874, 8291291

Proposed Residential Flats at Old Door No. 2,
New Door No. 11, 38th Street, Nanganalkur Village,
T.S. no.2, Old S.No. 1/1 pt, Block no. 27
Chennai - 600 061.

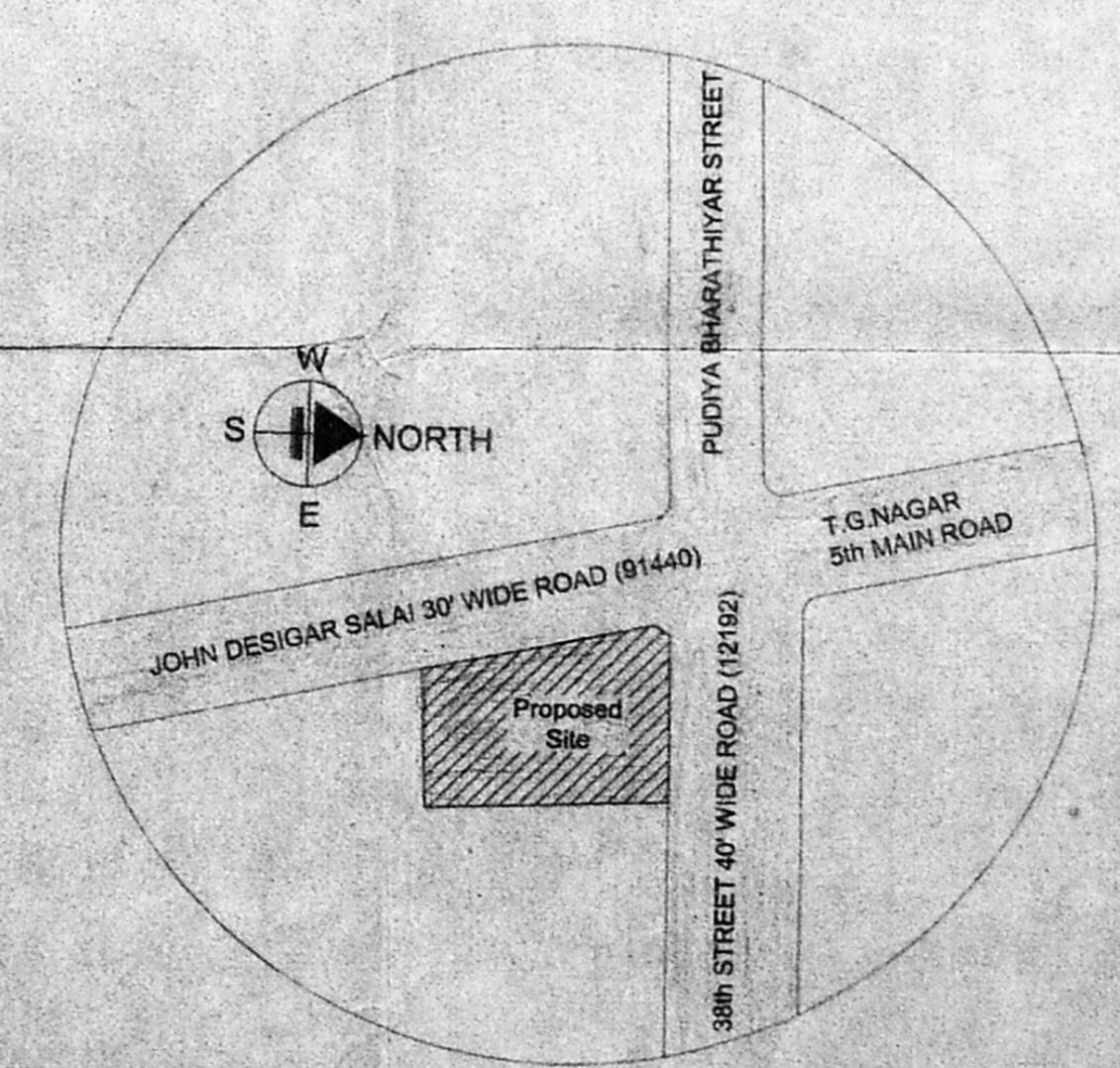
ARCHITECTS TOWN PLANNERS AND INTERIOR DESIGNERS
No. 20, SHAFEEE MOHAMMED ROAD, CHENNAI - 600 006



SITE CUM GROUND FLOOR PLAN (PT) CUM STILT FLOOR PLAN (PART)



SUMP DETAIL Scale: 1" = 4'0" (1:50)



KEY PLAN Not To Scale

B/SPL/BLD/73(A) 2002
Planning Permit No. B2/23235/2002
APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN
DEVELOPMENT AUTHORITY
CHENNAI-600 008.

SCHEDULE OF JOINERY

TYPE	WIDTH	NO.	DESCRIPTION
D1	39"(1067)	70(2135)	T.W. MAIN DOOR
			T.W. DOOR
			T.W. DOOR
			T.W. MAIN DOOR
			T.W. FRAME WINDOW
			T.W. FRAME WINDOW
			T.W. LOUVERED VENTILATOR
			ARCH OPENING

CMDA (B) No. 70(2135)
 C. No. Ba/28235/2001
 Asst. D3 29(539) 70(2135)
 Scrutiny 04 26(762) 70(2135)
 P. A. 60(1830) 48(1220)
 40(1220)
 26(762) 20(530)
 30(915) 70(2135)

B/SPL. BLD / T3 (B) / 2002
 Planning Permit No.
APPROVED
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
 No. Ba/28235/2001 Date 6.12.2002
 U.N. Srinivasan
 FOR MEMBER SECRETARY
 CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
 CHENNAI-600 008.

SEPECIFICATIONS:

FOUNDATION:
 R.C COLUMN FOUNDATION AND TIE (PLINTH) BEAMS OVER A BED OF P.C.C 1:4:8 SAND CUSHIONS.

SUPER STRUCTURE:
 115 THK. INTERNAL & 230 THK EXTERNAL WALLS IN C.M 1:5 WITH PLASTER IN C.M 1:5

R.C.C WORK:
 R.C COLUMNS, BEAMS, SLABS, INTELS, AND SUNSHADES IN 1:2:4 MIX. ADEQUATELY REINFORCED.

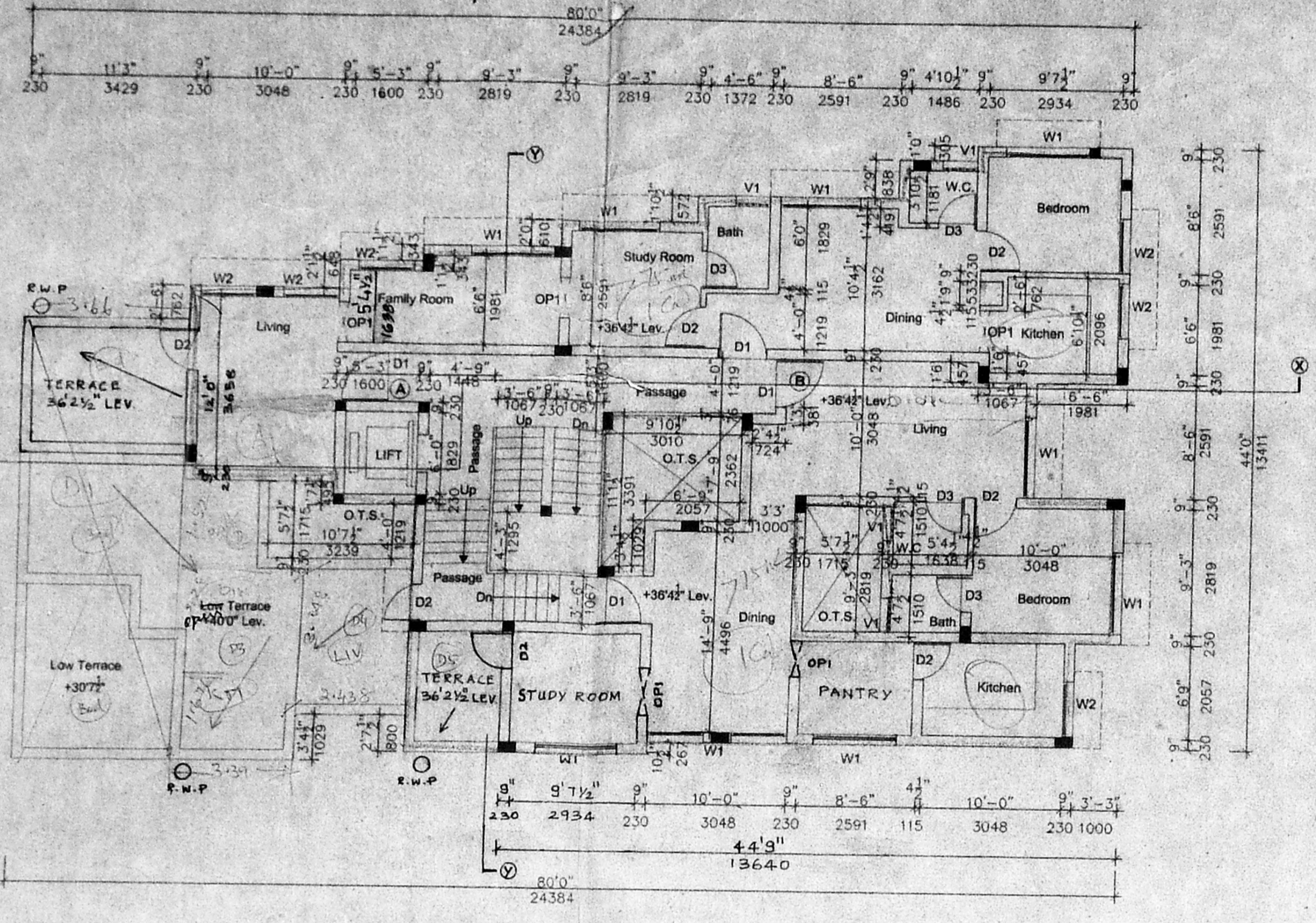
FLOORING:
 MOSAIC FLOORING

WEATHERING COURSE:
 ONE SET OF BRICK JELLY LIME CONCRETE MIXED WITH CRUDE OIL. POINTED AND LAID TO SLOPE.

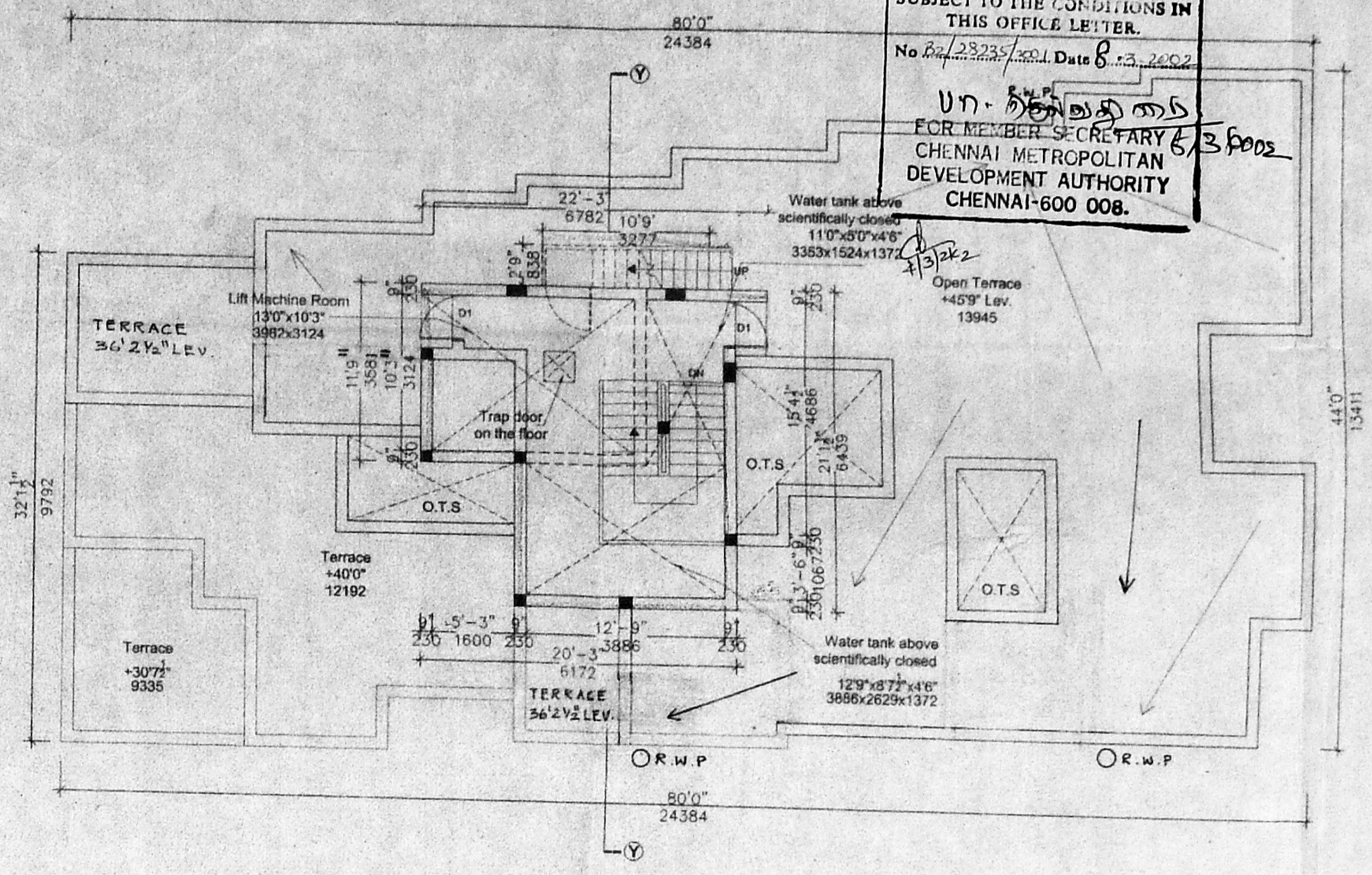
NOTE:
 UNDER GROUND SUMP AND OVER HEAD WATER TANK ARE SCIENTIFICALLY CLOSED.

COLOUR CODE REFERENCE

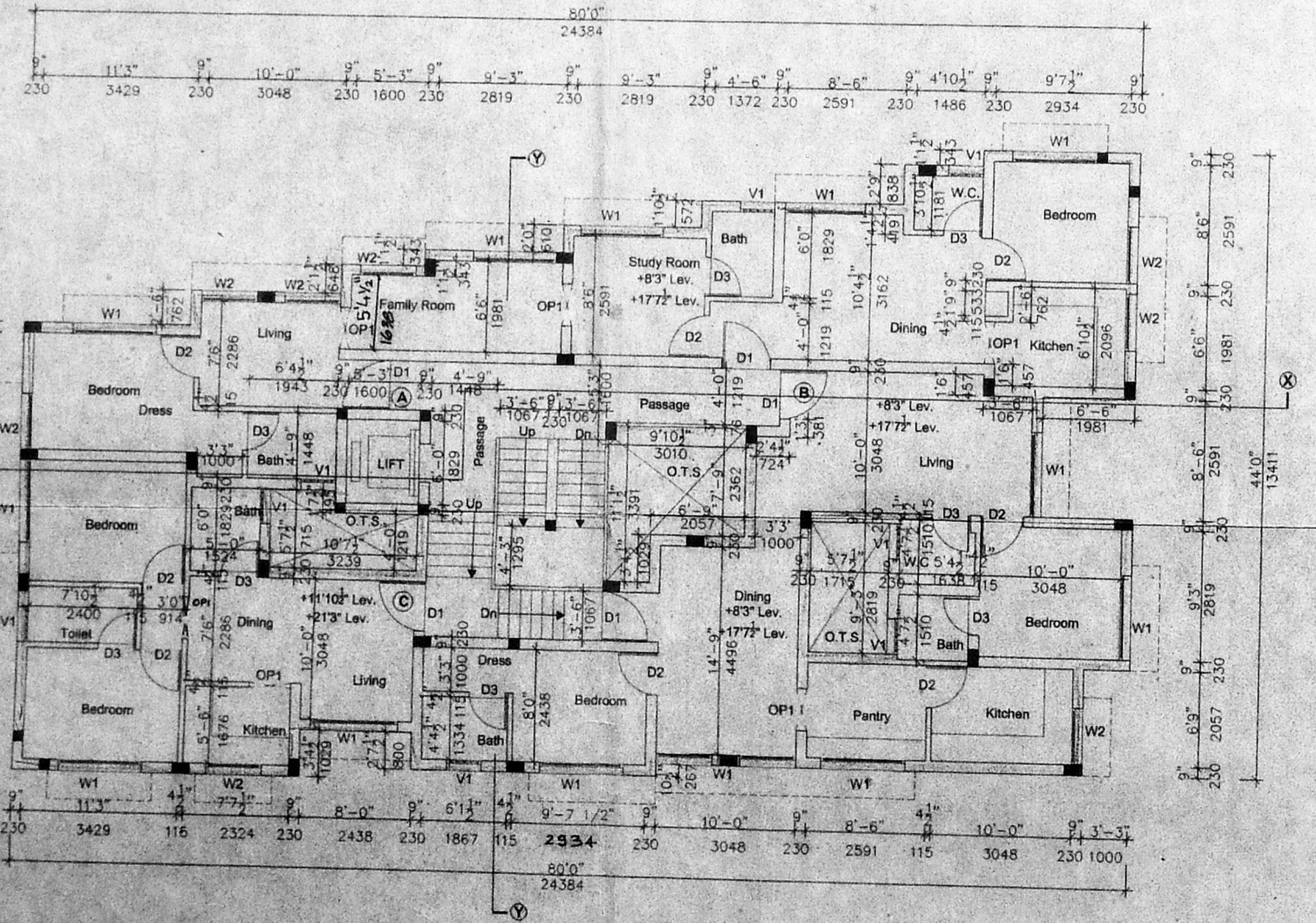
PROPOSED WORK [Symbol]
 EXISTING ROAD [Symbol]
 BOUNDARY LINE [Symbol]
 SEWER LINE [Symbol]



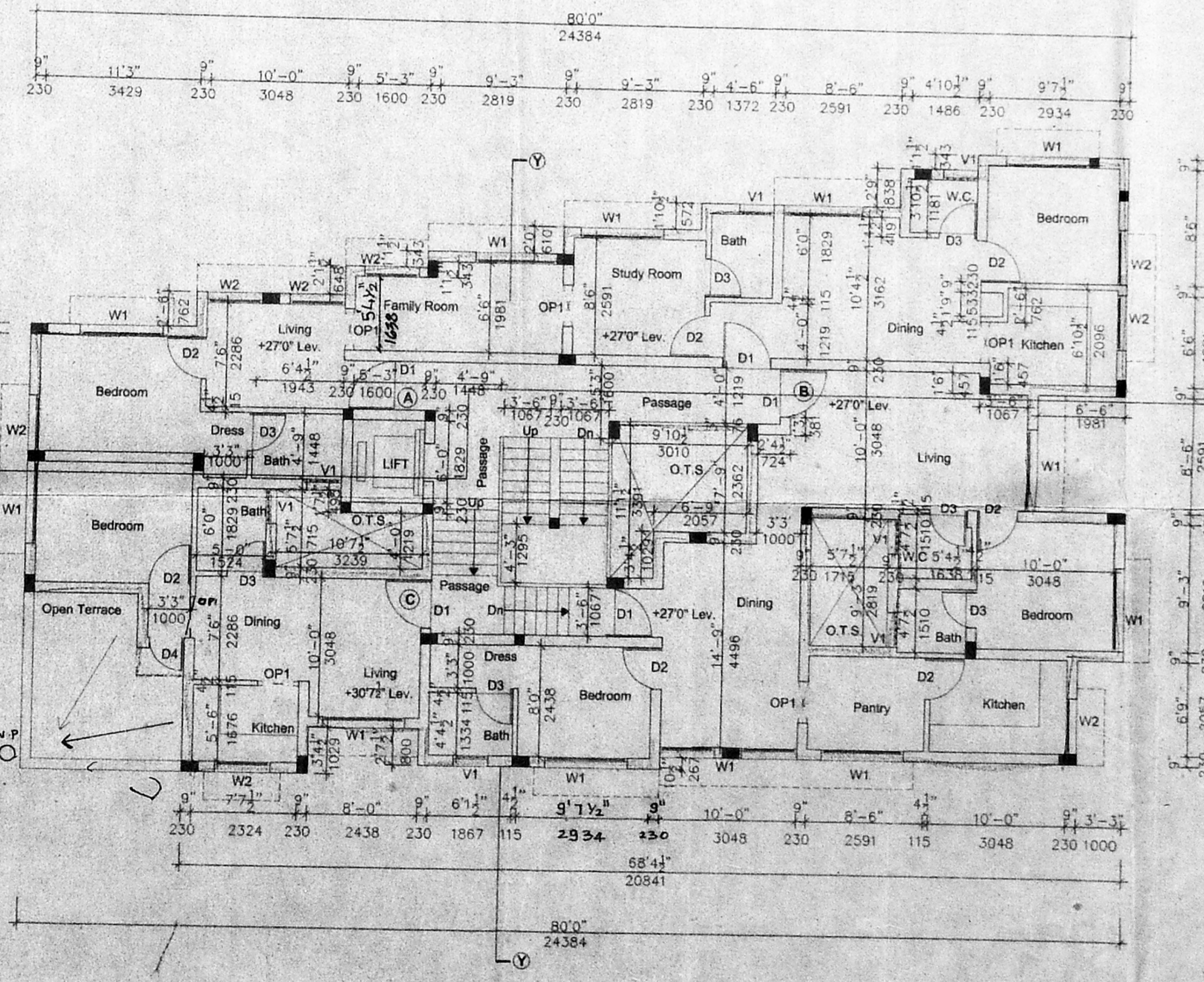
Fourth Floor Plan (PART)



Terrace Floor Plan



First & Second Floor Plan

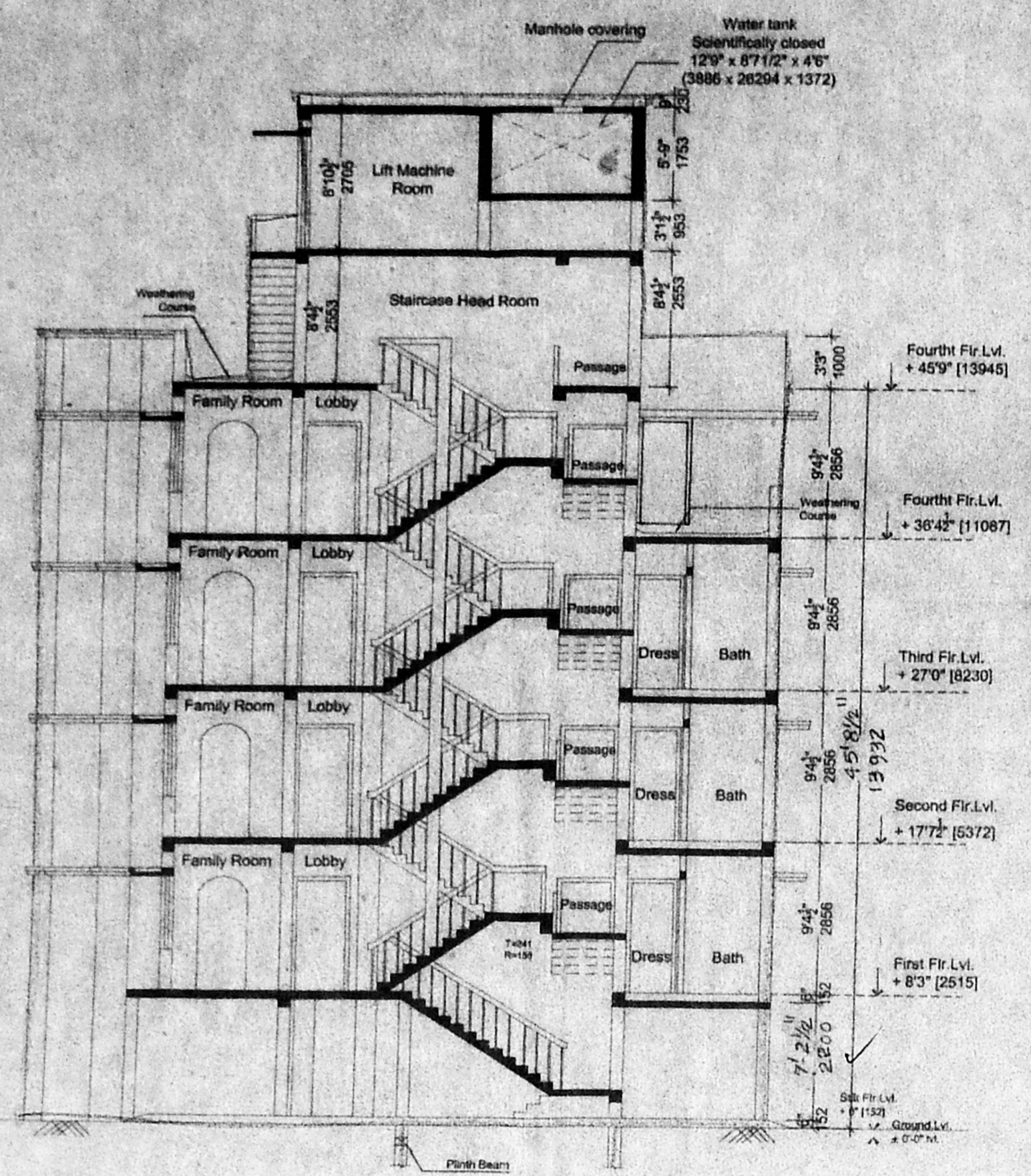


Third Floor Plan

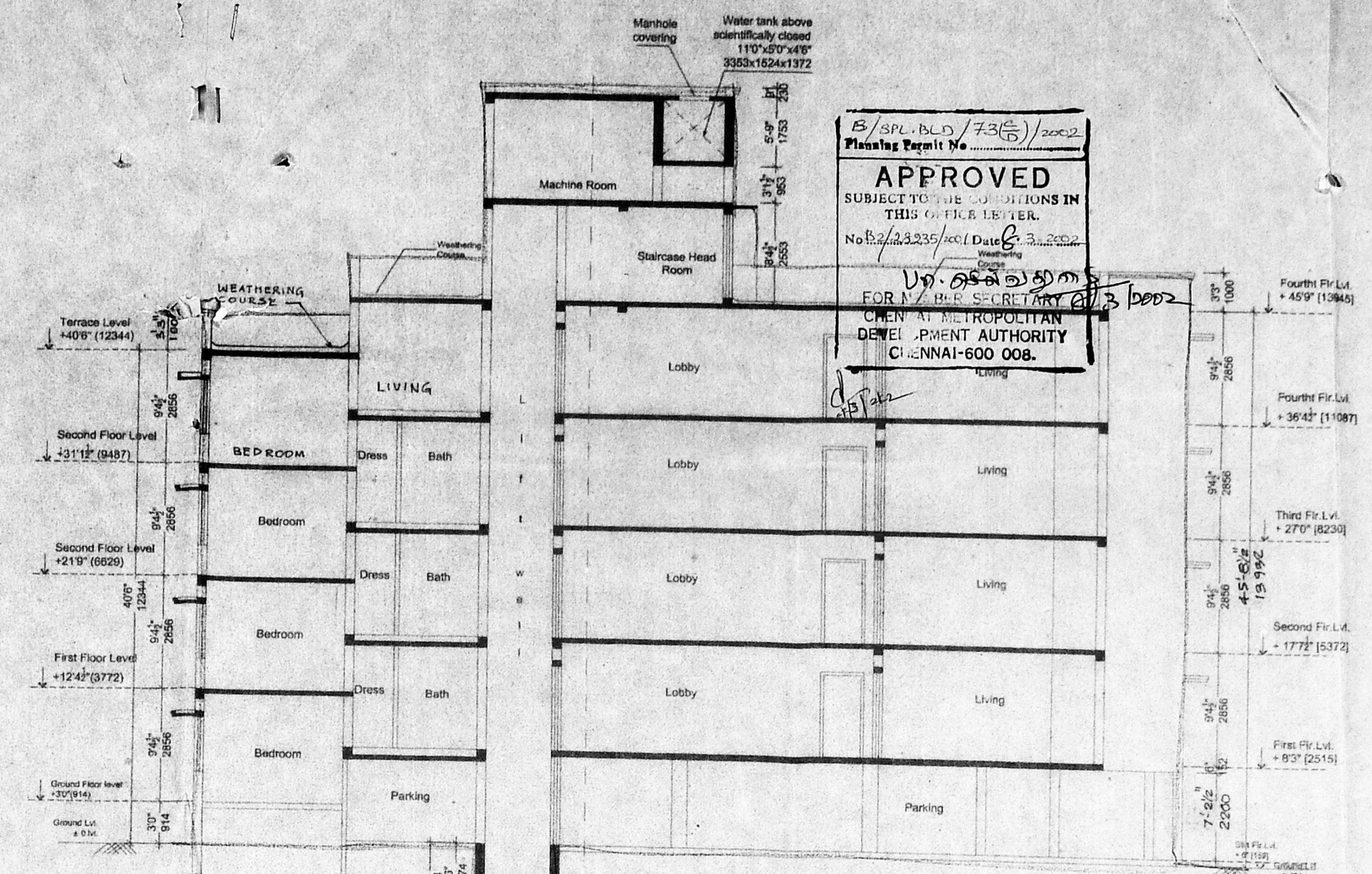
GREATA ENTERPRISES AND DEVELOPERS (P) LTD.
 K. Nagar
 Director

SIGNATURE OF OWNER:
 V. LAKSHMANAN, B.E., M.I.E., F.I.V., M.I., Struct. E.
 Chartered Engineer, Valuer & Class-I
 Licensed Surveyor No. 92
 20, Shafiee Mohammed Road
 Chennai - 600 006
 ☎ : Off : 8293874, 8291291

SIGNATURE OF LICENSED SURVEYOR:
 Proposed Residential Flats at Old Door No: 2,
 New Door No : 11, 38th Street, Nanganallur Village,
 T.S. no.2, Old S.No: 1/1 pt, Block no. 27
 Chennai - 600 061.



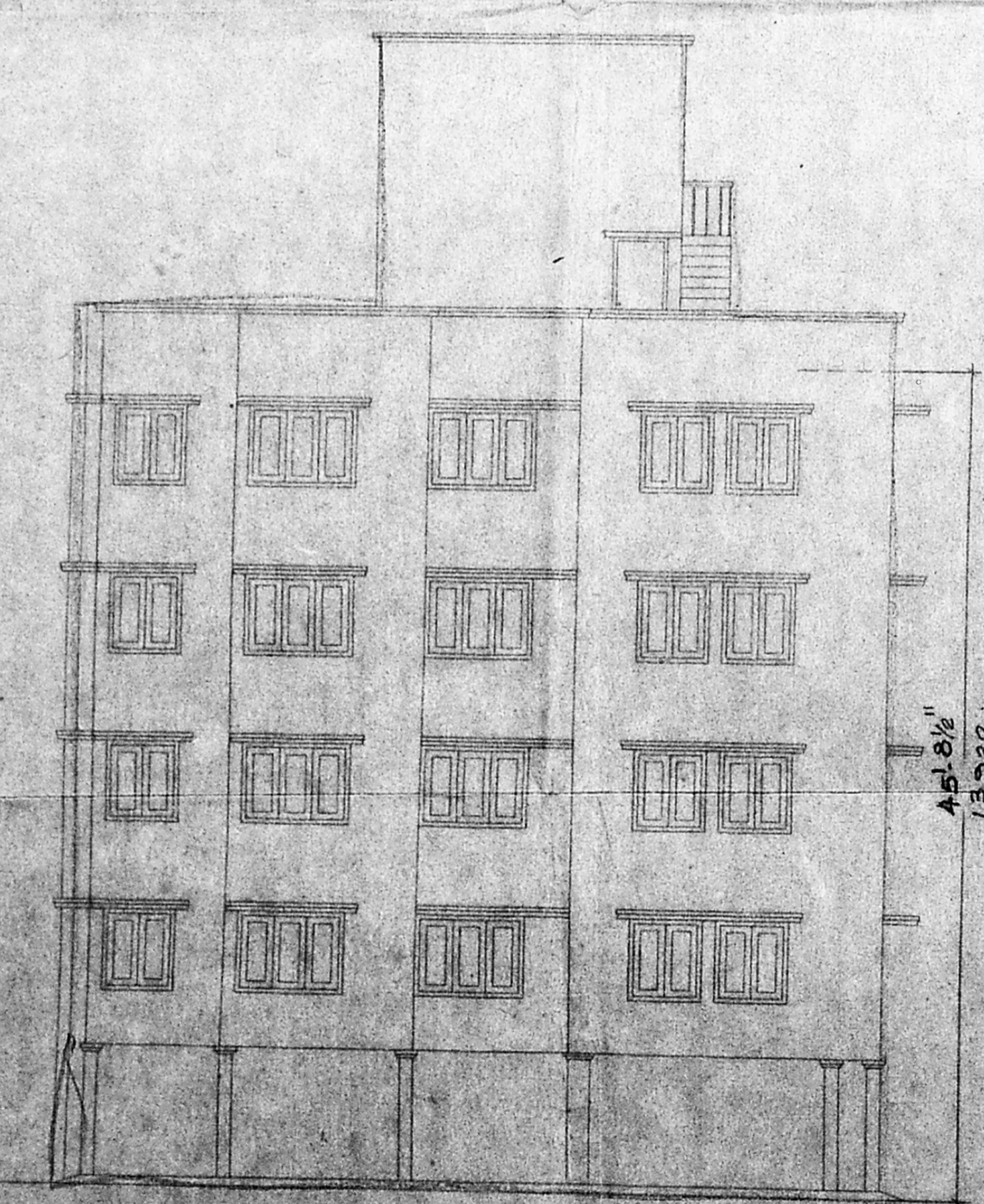
SECTION YY
SCALE: 1:100 (1"=8'0")



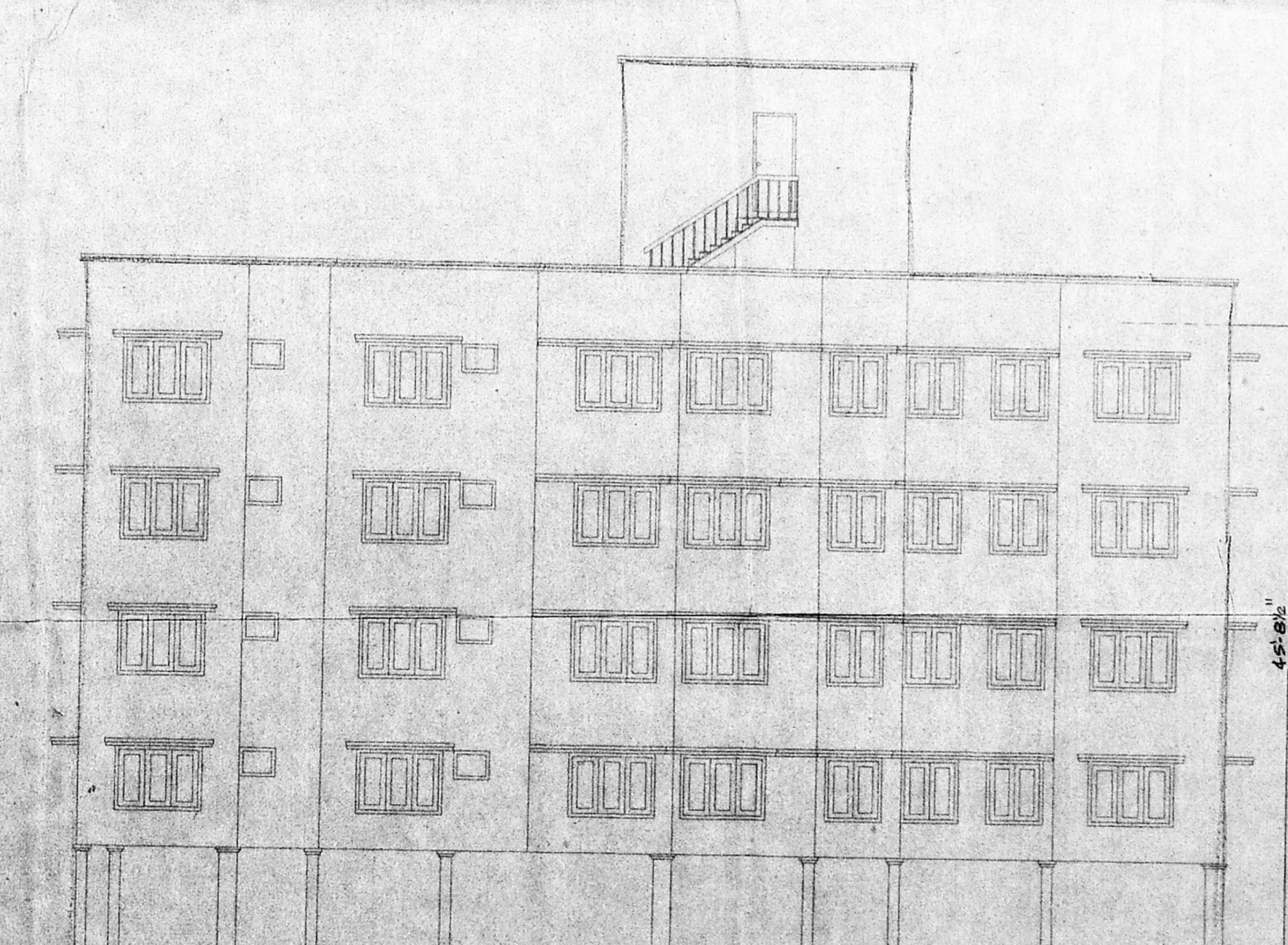
SECTION XX
SCALE: 1:100 (1"=8'0")

B/SPL.BLD/73(6)/2002
Planning Permit No
APPROVED
SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER.
No B/2/22235/2001 Date 6.3.2002
FOR MEMBER SECRETARY
CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
CHENNAI-600 008.

Revised Plan
Dt. 05.11.2001
CMDA (B)/17 No. 1
C.No. 22/22235/2001
Asst. _____
Scrutiny P.A. _____
A.P. 15/11
D.P.



NORTH ELEVATION
SCALE: 1:100 (1"=8'0")



WEST ELEVATION
SCALE: 1:100 (1"=8'0")

COLOUR CODE REFERENCE
PROPOSED WORK
EXISTING ROAD
BOUNDARY LINE
SEWER LINE

GREATA ENTERPRISES AND DEVELOPERS (P) LTD.
K. Mayer Director

SIGNATURE OF OWNER:

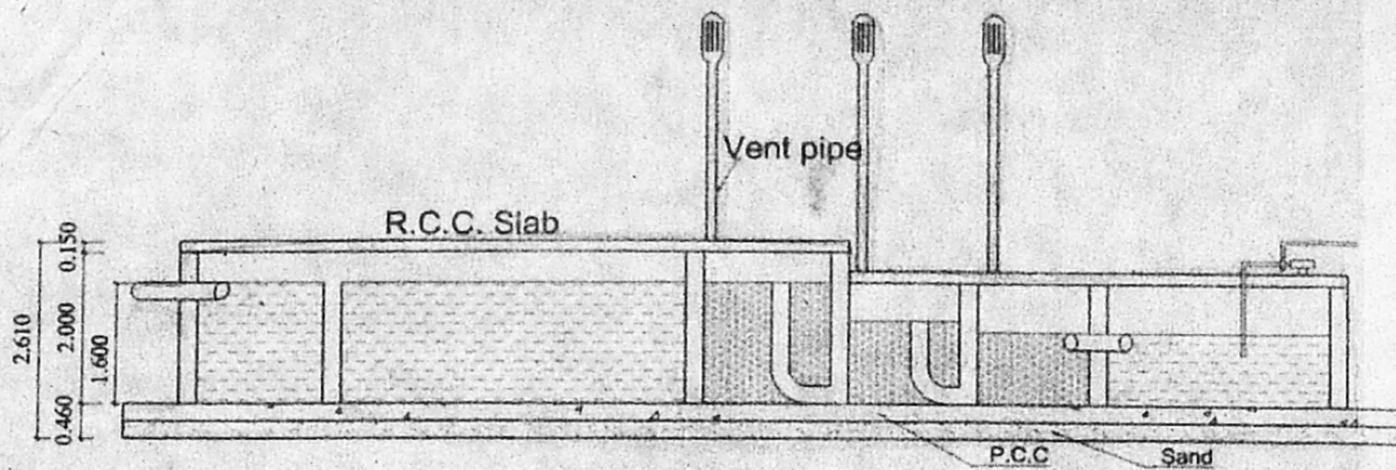
V. LAKSHMANAN, B.E., M.I.E., F.I.V., M.I., Struct. E.
Chartered Engineer, Valuer & Class-1
Licensed Surveyor No. 92
20, Shafiq Mohammed Road
Chennai - 600 006
☎ : Off : 8293874, 8291291

SIGNATURE OF LICENSED SURVEYOR:

Proposed Residential Flats at Old Door No. 2,
New Door No. 11, 38th Street, Nanganallur Village,
T.S. no.2, Old S.No: 1/1(pt), Block no. 27,
Chennai - 600 061.

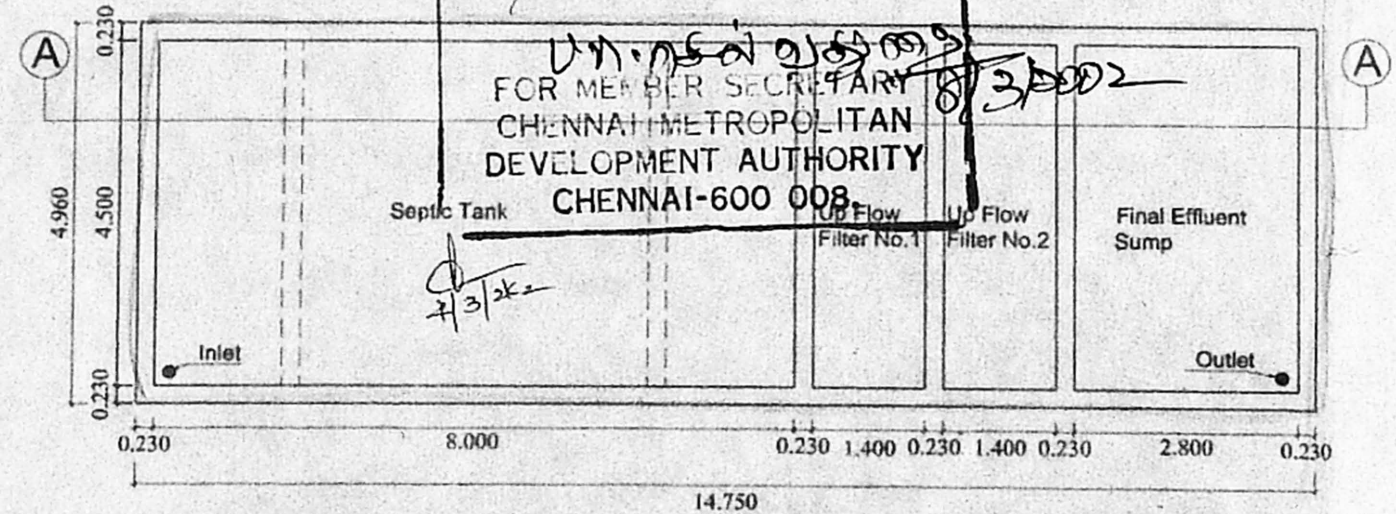
WEST ELEVATION, NORTH ELEVATION
SECTION XX, & SECTION YY
JOB No. DRG No.
SCALE: 1:100 (1"=8'0")
DATE:
DEALT M. Thumaran
CHECKED:

KHARCH & ASSOCIATES.
ARCHITECTS, TOWN PLANNERS AND INTERIOR DESIGNERS
No. 20, RAJAGOPALAN STREET, CHENNAI - 600 006



SECTION A A

B/SPL-BLD/73(P/D)/2002
 Planning Permit No.
APPROVED
 SUBJECT TO THE CONDITIONS IN
 THIS OFFICE LETTER.
 No B2/28235/2001. Date 8.3.2002



DETAILS OF SEPTIC TANK WITH UPFLOW FILTER

DESIGN OF SEPTIC TANK WITH TWO UP-FLOW FILTERS

No. of Dwellings	: 12	Revised Plan
No of Users	: 12x6 = 72	Dt: 05.11.2001
Rate of Water Supply	: 150 Litres/Head/Day	
Flow of Sewerage per day	: 72x150 = 10,800 litres or 10.80m ³	
Assuming the Detention Period	: 18 Hours	
Tank Capacity $\frac{10.80 \times 18}{24}$: 8,100 litres or 8.1m ³ say 8,500 litres	
The Tank will be Cleaned every year	: 9" sludge	
Storage capacity at the rate of 50 litres for per person per year	: 72x50 = 3,600 litres	
Total 8500+3600	: 12,100 litres (or) 12.10m ³	
With provision for future expansion add 25% extra		
Let the Tank capacity be	: 15.125 (or) 16.00m ³	
Depth of flat as	: 2.00m (average)	
Plan area of the Tank	: 16 = 8m ²	
The Ratio of L:B	: 2:1	
Breadth B=8	: 2.00m	
L=2.00x2	: 4.00m	
Free board of the Tank	: 0.69m	
Total Depth of the Tank	: 2.00+0.69 = 2.69m	
Required size of septic tank	: 4.0m x 2.0m x 2.69m = 21.52m ³	
We provide the septic tank of size is	: 4.0m x 2.0m x 2.69m = 21.52m ³	
Hence the septic tank is sufficient.		

CMDA (B) / No. 1
 C No. B2/28235/2001
 Asst. ...
 19/10/2001
 12/11/2001
 21.7

UP-FLOW DETAILS:

Discharge for 72 Persons	: 10,800 Litres
Extra flow taken for future Extension (add 50%)	: 5,400 Litres
Total Discharge	: 16,200 Litres or 16.2m ³
Assume the Percolating Capacity of filter media of the upflow filter pit as 1.25m (1250 Litres/m/day)	
Volume of up flow filter pit required	: $\frac{16.2}{1.25} = 12.96m^2$
Depth of up flow filter pit	: 2.00m
Plan area required	: $\frac{12.96}{2} = 6.48m^2$
Length and Breadth $\sqrt{6.5}$: 2.55m
Required size of up flow filter pit	: 2.55 x 2.55 x 2.00 = 13m ³
We provide the 2 Nos. of up flow filter pit size	: 2 x 1.65 x 2 x 2 = 13.2m ³
Required size effluent collection tank	: 6.50m ³
We provide the effluent collection tank	: 1.65 x 2 x 2 = 13.2m ³
Hence the septic tank size	: 4 x 2 x 2.69 = 13.2m ³
Size (2 Nos. 1.65x2x2m) and effluent collection tank size (1.65x2x2m) area sufficient for the building	

Proposed Residential Flats at Old Door No: 2,
 New Door No :11,38th Street, Nanganallur Village,
 T.S. no.2, Old S.No: 1/1 pt,Block no. 27
 Chennai - 600 061.

V. LAKSHMANAN, B.E., M.I.E., F.I.V. M.I. Struct
 Chartered Engineer, Valuer & Class-I
 Licensed Surveyor No. 92
 20, Shaffee Mohammed Road
 Chennai-600 006
 ☎ : Off : 8293874, 8291291

Licensed surveyor

Owner *K. Nagar*

KHARCHE & ASSOCIATES.
 ARCHITECTS TOWN PLANNERS AND INTERIOR DESIGNERS
 No.20, SHAFFEE MOHAMMED ROAD,
 CHENNAI - 600 006

Scale : 1:100
 Date :
 Drawn : Mohideen