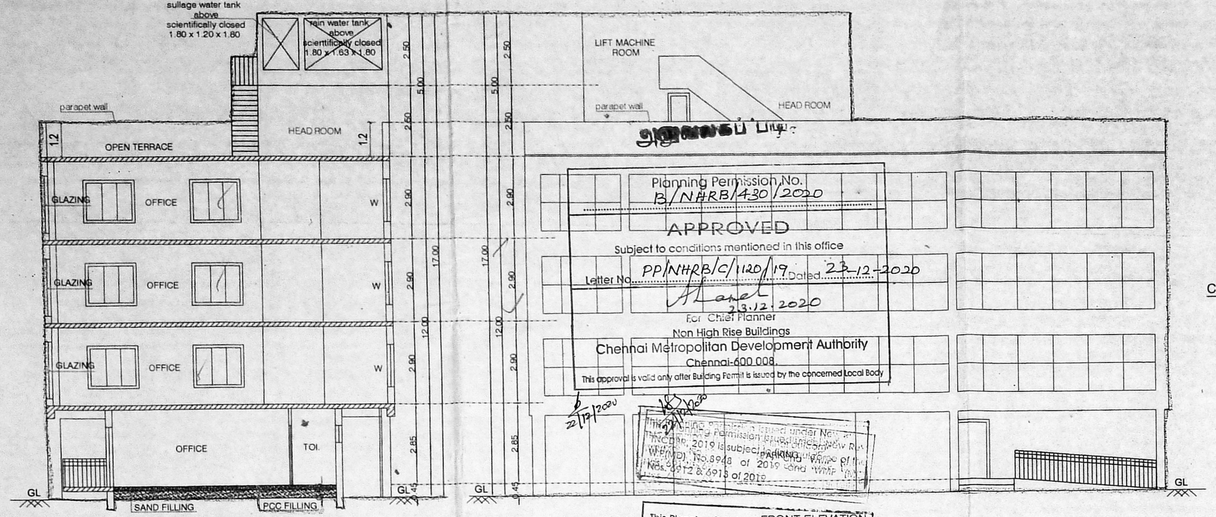
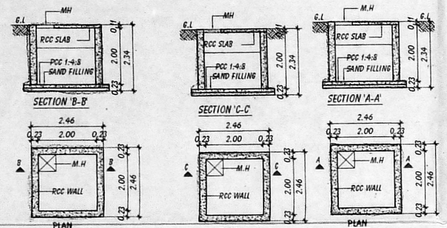
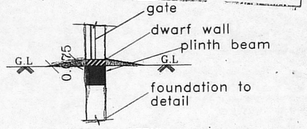
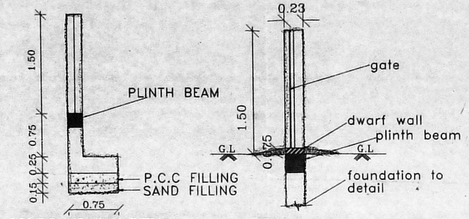


SECTION-AA



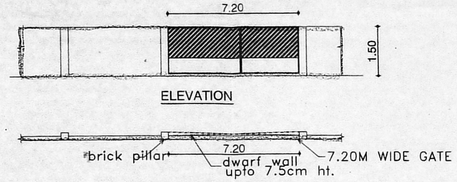


DWARF WALL DETAIL

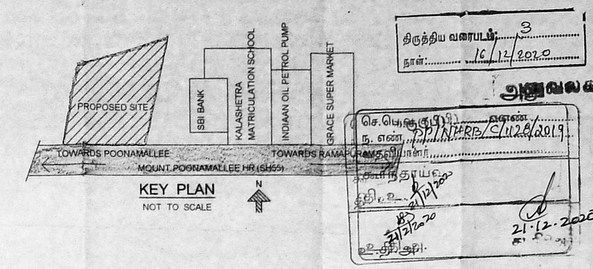


COMPOUND WALL DETAIL
(SCALE 1:50)

SECTION OF GATE DETAIL
(SCALE 1:50)

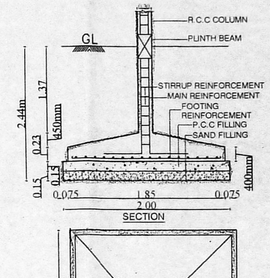


PLAN OF COMPOUND WALL & GATE

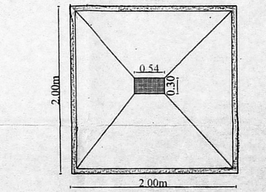


KEY PLAN
NOT TO SCALE

திருத்திய வரைபடம் 3
நாள் 16/12/2020
அனுமதிக்கப்படுகிறது
செ. செயலர் (நி.)
எண் 516681 நாள் PP/NHRB/C/1120/2019
21/12/2020
செயலர்



SECTION



PLAN
FOUNDATION DETAIL
Scale 1:50

SCHEDULE OF JOINERY

TYPE	DESCRIPTION	SIZE
D	DOOR	1.20 x 2.10
D1	DOOR	0.75 x 2.10
W	WINDOW	1.80 x 1.50
V	VENTILATOR	0.60 x 0.60

SPECIFICATIONS :-

1. R.C.C FOOTING & COLUMN IN CONCRETE M40
2. SUPER STRUCTURE :BRICKWORK SET IN cm 1:5
3. R.C.C M20 FOR LINTELS,BEAMS &SLABS
4. P.C.C 1:4:8 FOR FLOOR LEVELLING COURSE
5. P.C.C 1:5:10 IN BASEMENT FOR FOUNDATION
6. JOINERY WITH T.W FLUSH DOORS & T.W GLAZED WINDOWS & VENTILATORS
7. 3 COATS OF CEMENT PAINT TO INSIDE & OUT SIDE WALLS
8. 2 COATS OF ENAMEL PAINTS OVER ONE COAT OF PRIMER FOR JOINERY, GRILL WORK,ETC
9. WEATHERING COURSE OVER ROOF SLAB 3" THICK WITH BRICK JELLY LIME CONCRETE AND ONE LAYER OF PRESSED TILES ON TOP

AREA STATEMENTS	Sq.M
PLOT AREA AS PER FMB	539.40
	F.S.I
STILT FLOOR PART & GROUND FLOOR PART	84.89
FIRST FLOOR	266.16
SECOND FLOOR	266.16
THIRD FLOOR	266.16
TOTAL AREA	883.37

F.S.I - 1.638

TWO-WHEELER PARKING PROVIDED - 27 NOS
CAR PARKING PROVIDED - 7 Nos

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR PART + GROUND FLOOR PART + 3 FLOORS COMMERCIAL (OFFICE) BUILDING AT PLOT No. B, MOUNT POONAMALLEE HIGH ROAD, (TRUNK ROAD), AYYAPPANTHANGAL, CHENNAI – 600 056, COMPRISED IN SURVEY NO. 56 PART OF AYYAPPANTHANGAL VILLAGE WITHIN KUNDRATHUR PANCHAYAT UNION.

SCALE : 1:100 | DRAWN : AKNA

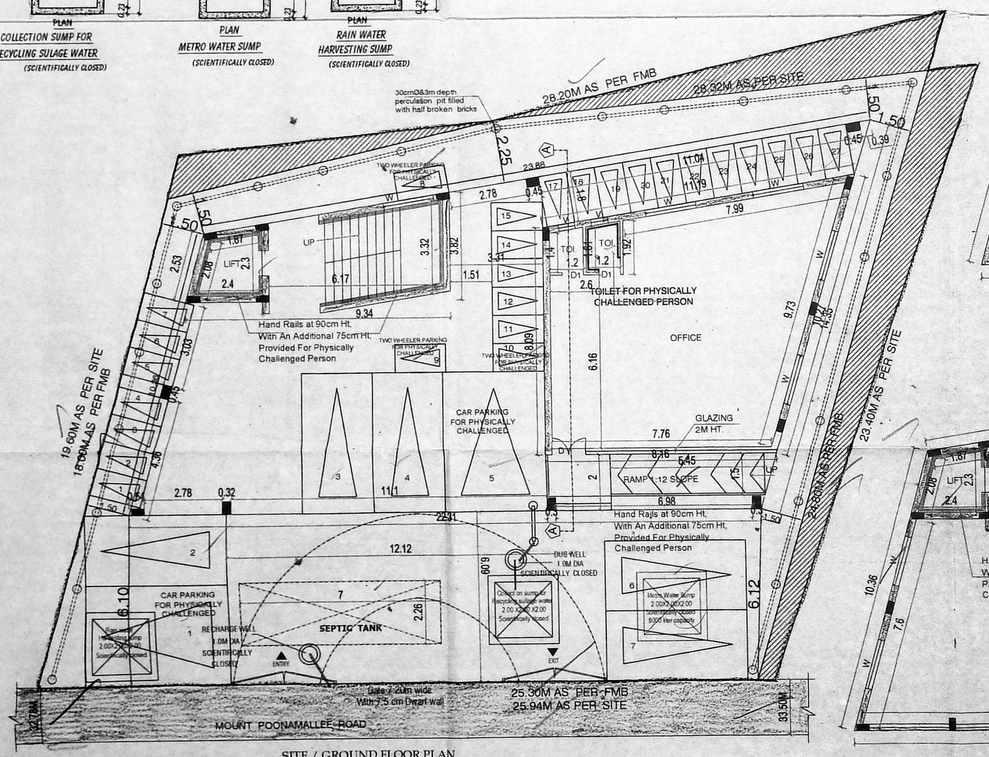
COLOUR INDEX
PROPOSED
ROAD
BOUNDARY

N

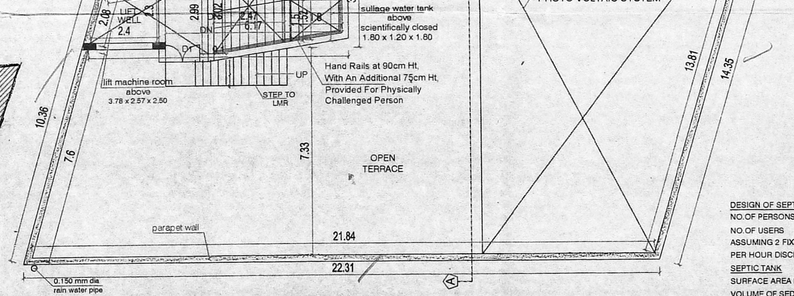
APPLICANT'S SIGNATURE

LICENSED SURVEYOR

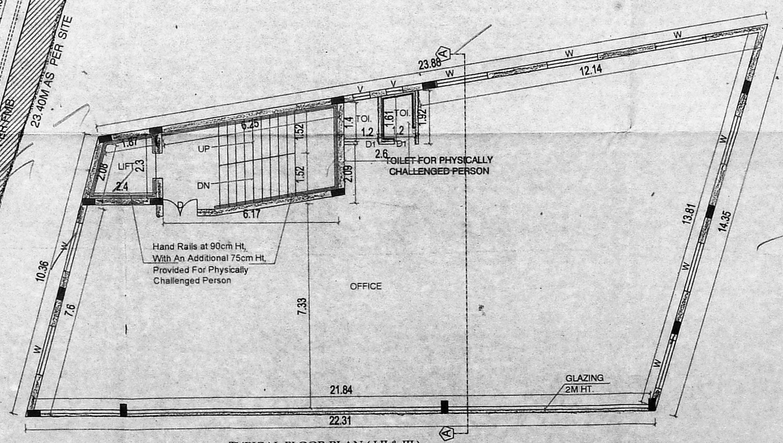
M. VIJAY BASKAR, B.Arch.,
Registered Architect
Council of Architecture, CA/2006/37949
Flat No.1, Ground Floor, No.214,
Kuppusamy Street, Golden George Nagar,
Mogappair East, Chennai- 600 107.
Phone : 99411 18314.



SITE / GROUND FLOOR PLAN



TERRACE FLOOR PLAN



TYPICAL FLOOR PLAN (I,II & III)

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER

NO.OF PERSONS	- 5 x 3 =15
NO.OF USERS	- 15
ASSUMING 2 FIXTURES PER FLAT	- 3 x 2 = 6 UNITS
PER HOUR DISCHARGE	- 6 x 6 = 36 LPM

SEPTIC TANK

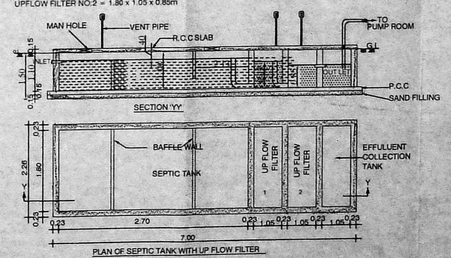
SURFACE AREA NEEDED	$\frac{36 \times 0.92}{10}$ = 3.13 SAY 3.5 M^2
VOLUME OF SEDIMENTATION ASSUMING 0.3m DEPTH	- 3.5 x 0.3m = 1.05 M^3
FOR DIGESTION	- 15 x 0.032 = .48 M ^{3}
FOR SLUDGE STORAGE	- 0.0002 x 365 x 15 =1.10M ^{3}
FREE BOARD FOR SLUDGE	- 3.5 x 0.3m = 1.05M^3
	=3.68 say 3.75M^3

DEPTH= $\frac{\text{VOLUME}}{\text{STORAGE}} = \frac{3.75}{3.5}$ = 1.1m

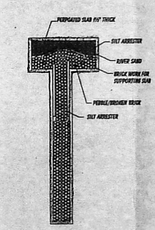
SIZE OF SEPTICE TANK : 2.70 x 1.8 x 1.10m

UPFLOW FILTER

LIQUID DEPTH OF SEPTIC TANK	= 1.1m
VOLUME : 15 x 0.045 = 0.68 M	
UPFLOW FILTER DEPTH ALLOWING 0.3m FREE BOARD	= 1.1 - 0.4 = 0.7M
AREA NEEDED: $\frac{0.70}{0.70}$	=1.00 M^2
SIZE OF UPFLOW FILTER = 1.80 x 2.1m	
UPFLOW FILTER NO:1 = 1.80 x 1.05 x 0.95m	
UPFLOW FILTER NO:2 = 1.80 x 1.05 x 0.85m	



PLAN OF SEPTIC TANK WITH UP FLOW FILTER



PERCOLATION PIT