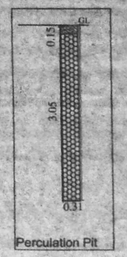
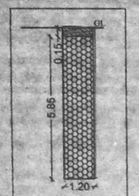
செ. பெ. வ. கு. (பி).....எண்.....
ந. எண்...B2/333/2019.....
உ தவியாளர்.....
கூர்ந்தாய்வு
தி.உ. 9/8/2019

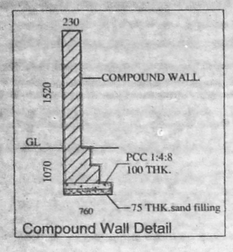
திருத்திய வரைபடம்: I.....
நாள்: 24/12/2019



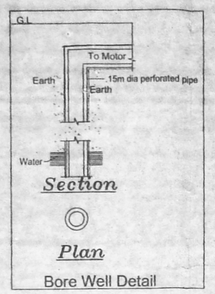
Perculation Pit



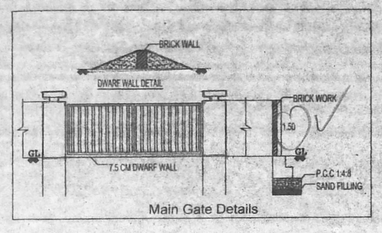
Rain Water Harvesting



Compound Wall Detail

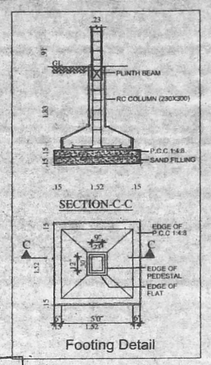


Bore Well Detail



Main Gate Details

அலுவலகப் படி

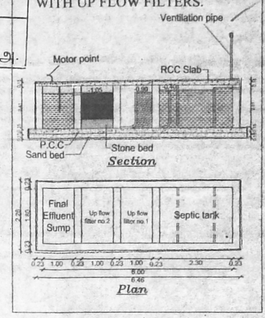


Footing Detail

General Specification

1. RCC MIX M25 (40MM MBG FOR FOUNDATION.
2. BRICK WORK IN CM 1:5 USING STOCK BRICKS FOR FOUNDATION BASEMENT & IN SUPER STRUCTURE
3. RCC 1:2:4 FOR ROOF SLAB LINTELS, SUNSHADES. M25 GRADE
4. FLOORING CONC PCC 1:4:8 WITH MOSAIC FLOOR.
5. PLASTERING OF CEILING IN CM 1:3 & 20MM THK.
6. PLASTERING OF WALLS BOTH INSIDE & OUTSIDE IN CM 1:4 & 12MM THK.
7. WEATHERING COURSE BJ IN LMS 1:2.5 WITH SQ TILES
8. ALL DIMENSIONS ARE IN FEET & METRES

DESIGN OF SEPTIC TANK WITH UP FLOW FILTERS.



DESIGN OF SEPTIC TANK WITH UP FLOW FILTERS.

No. of office area	-	2 Nos.
No. of Residential Area	-	1 No.
No. of Users	-	(2x30)+(5x1)=65 Nos.
Rate of water supply is	-	150 LPH/Day.
Then flow of sewage per day	-	65x150 = 9750 Lts/Day
Detention period is	-	18 Hrs.
Tank Capacity	-	9750x18/24 = 7312.5 LTS.

The tank is to be cleared every year. So the sludge storage capacity at the rate of 15 lts./person/year.

15x65 = 975

9750+975 = 10725

With provision for future expansion let the total capacity be 10000 lts. or 10 m3.

Septic tank having the capacity of	-	10 m3
Depth of liquid as	-	2.61m
Area of the tank	-	10/2.61 = 3.83m
Breadth of the tank	-	1.8m
Length of the tank	-	2.30m
Free board of the tank	-	0.10
Total depth of the tank	-	2.41+0.10 = 2.51
Provide Septic Tank Of The Size	-	2.30x1.8x2.51

UP FLOW FILTERS

Discharge for 65 persons	-	9750 Lts.
Volume	-	1.0x1.8 = 1.8
Depth	-	0.7-0.13 = 0.11
Plan Area Required	-	1.8/1.8 = 1m2
Size of the Final Effluent Sump	-	1x1.8x1.4
Up Flow Filter	-	1.8x1.0x1.4

PROJECT TITLE :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF COMMERCIAL (OFFICE) BUILDING AT DOOR NO: 3, PLOT NO:124 A, DURAISAMY REDDY STREET, TAMBARAM, COMPRISED IN T.S.NO.46/2, OLD S.NO.311(PART),BLOCK NO:9,TAMBARAM VILLAGE, TAMBARAM MUNICIPALITY, TAMBARAM TALUK,KANCHIPURAM DISTRICT.

SCHEDULE OF JOINERY :

S.NO.	TYPE	DESCRIPTION	SIZE
01.	SD	SLIDING DOOR	1.39 X 2.13
02.	MD	MAIN DOOR	1.07 X 2.13
03.	D	DOOR	0.92 X 2.13
04.	D1	DOOR 1	0.76 X 2.13
05.	FW	FRENCH WINDOW	2.45 X 2.56
06.	FW1	FIXED WINDOW 1	7.27 X 2.56
07.	FW2	FIXED WINDOW 2	4.91 X 2.56
08.	FW3	FIXED WINDOW 3	8.47 X 2.56
09.	SW	STAIR WINDOW	1.50 X 1.22
10.	W	WINDOW	1.22 X 1.22
11.	KW	KITCHEN WINDOW	1.22 X 0.92
12.	V	VENTILATOR	0.62 X 0.62

AREA STATEMENT :

S.NO.	DESCRIPTION	F.S.I / NON F.S.I AREAS (SQ.M.)
01.	PLOT EXTENT (AS PER PATTA)	208.00
02.	PLOT EXTENT (AS PER DOC)	209.03
03.	STILT FLOOR AREA	--
04.	FIRST FLOOR AREA	135.00
05.	SECOND FLOOR AREA	135.00
06.	TOTAL PROPOSED AREA	270.00
07.	F.S.I ACHIEVED	1.30

COLOUR INDEX :

PROPOSED

ROAD

BOUNDARY

NORTH POINT :

S E W N

SCALE :

1 : 100

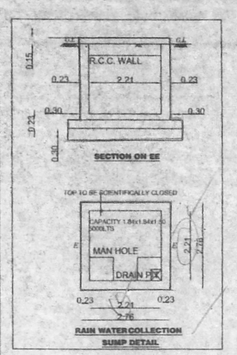
NOTE:

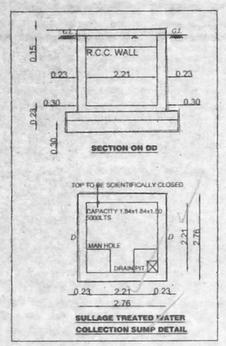
MINIMUM CONCRETE GRADE TO BE USED IS M25 [1:1:2] .

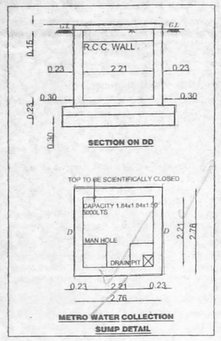
OWNER (S):

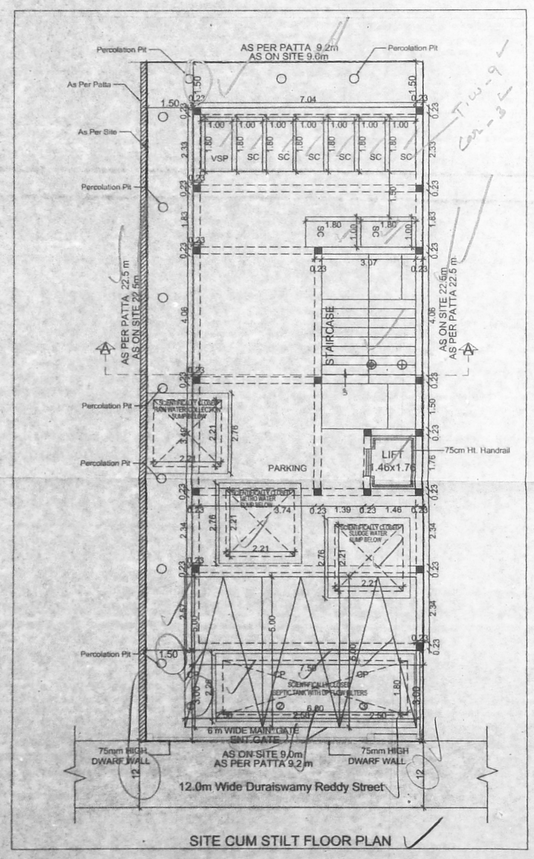
LICENSED SURVEYOR :

K.SENTHIL KUMAR B.Arch M.I.A.rch.,
Registered Architect Grade-I
(RA/Gr.I/19/03/103)
SENTHILKUMAR & ASSOCIATES
2/637A, River View Avenue, I.P.S.Colony,
Manapakkam, Chennai - 600 125.
Email : senthilarchitect@yahoo.co.in



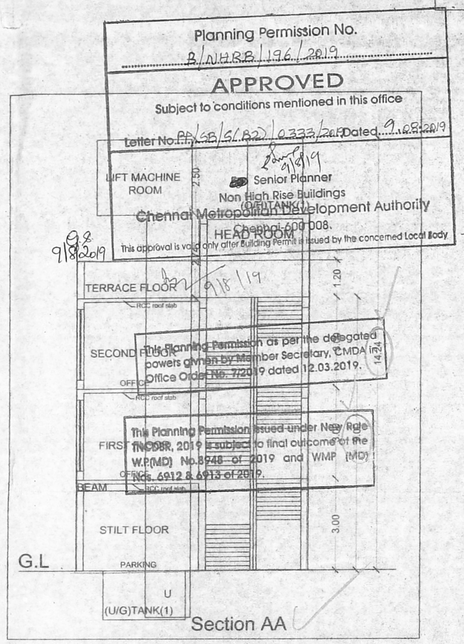




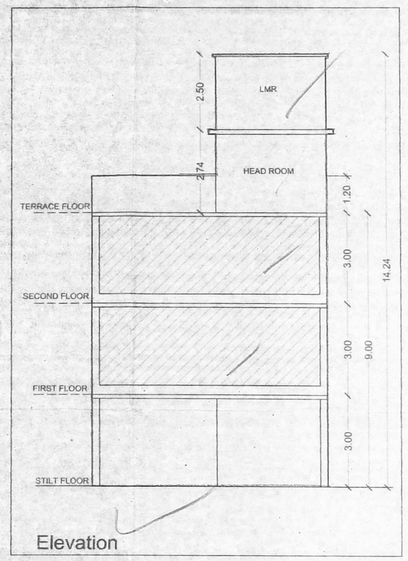


SITE CUM STILT FLOOR PLAN

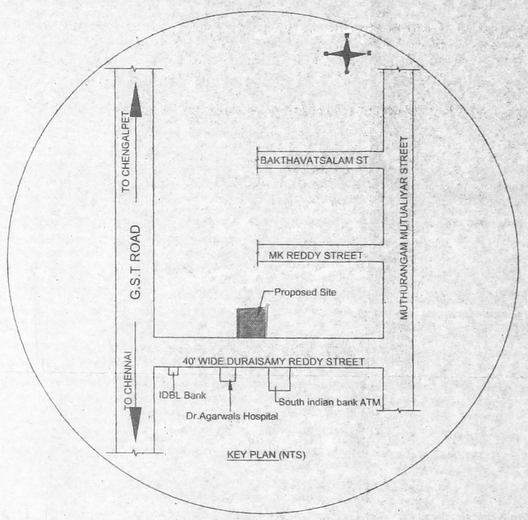
Planning Permission No.
B/NHRB/196/2019
APPROVED
Subject to conditions mentioned in this office
Letter No. PP/CB/GL82/0333/2019 Dated 9.8.2019
Senior Planner
Non High Rise Buildings
(DPU/TAN/L)
Chennai Metropolitan Development Authority
Chennai 600 008.
This approval is valid only after Building Permit is issued by the concerned Local Body
9/8/2019
5/5

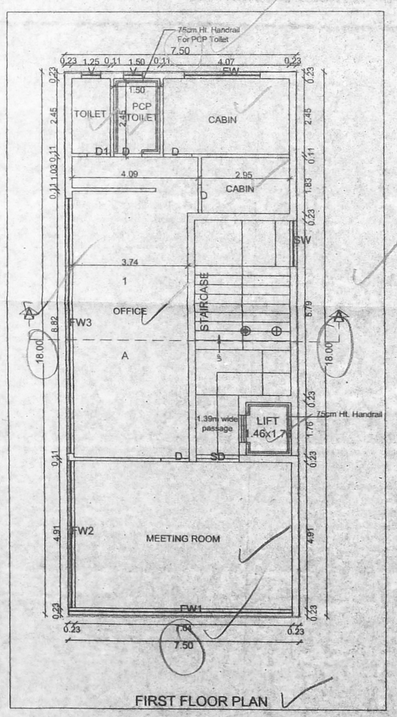


Section AA

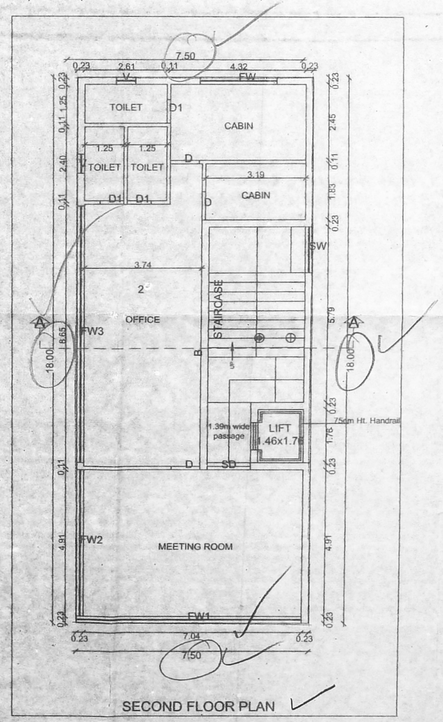


Elevation

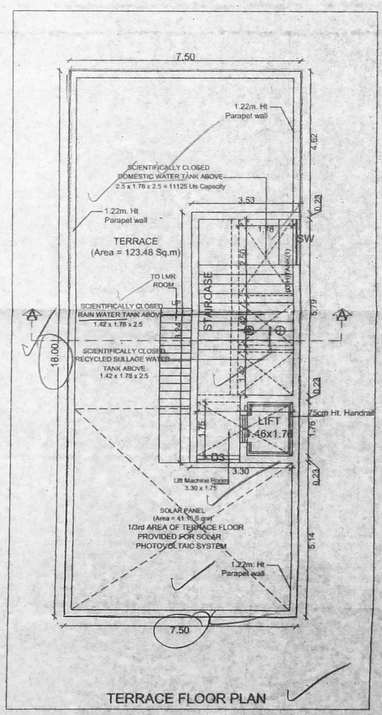




FIRST FLOOR PLAN



SECOND FLOOR PLAN



TERRACE FLOOR PLAN

A (BLDG)