R.P.I. dt. 1.9.2017

PLAN SHOWING THE PROPOSED OFFICE BUILDING FOR A. SRIDHAR AT GNT ROAD, THANDALKALANI VILLAGE, S.No. 67/2A2A OF THANDALKALANI VILLAGE, PUZHAL PANCHAYAT UNION, AMBATTUR TALUK, THIRUVALLUR DISTRICT.

அலுவலகப் படி

தெ.பெ.கு.(பி) எண் 83/510/2017
உதவியாளர் 11/09/17
கூர்ந்தாய்வு
தி.உ. 11/09/17
தி.உ.அ

SPECIFICATION:-

FOUNDATIONS	:	RCC FOUNDATION WITH 1:2:4
BRICK WORK	:	BRICK WORK IN CM 1:5
PLASTERING	:	RCC MEMBER WITH CM 1:5 ALL WALLS ARE IN
ROOF SLAB	:	R.C.C ROOF SLAB 1:2:4 MIX TOP FINISHED WITH WEATHERING COURSE USING FLAT TILES
FLOORING	:	FLOORING WITH CM 1:4:8 AND FINISHED WITH MOSAIC TILES
WOOD WORK	:	ALL DOORS,WINDOWS AND VENTILATORS ARE OF FINE TEAK WOOD

திருத்திய வரைபடம் I
நாள் 01-09-2017

AREA STATEMENT:-

PLOT EXTENT AS PER DOCUMENT	780.94 Sqm
PLOT EXTENT AS PER PATTA	750.00 Sqm
PLOT EXTENT AS PER SITE	739.10 Sqm

FLOOR	FLOOR AREA IN Sqm		
	Non.F.S.I 10%	F.S.I	TOTAL
FIRST FLOOR	8.92	247.85	256.77
SECOND FLOOR	8.92	247.85	256.77
THIRD FLOOR	8.92	247.85	256.77
FOURTH FLOOR	8.92	247.85	256.77
TOTAL	35.68	991.40	1027.08

F.S.I = 991.40 Sqm / 739.10 Sqm = 1.341

PARKING REQUIRED = 9 CARS,32 TWO WHEELERS
PARKING PROVIDED = 9 CARS,35 TWO WHEELERS

SCHEDULE OF JOINERY

TYPE	DESCRIPTION	METRIC
MD	MAIN DOOR	1.83 x 2.13
O	OPENING	1.83 x 2.13
SD	SWING DOOR	1.00 x 2.13
D	DOOR	0.91 x 2.13
D1	DOOR	0.76 x 2.13
W	WINDOW	2.44 x 1.37
W1	WINDOW	1.83 x 1.37
W2	WINDOW	1.22 x 1.37
SG	STRUCTURAL GLASS	8.77 x 13.47
V	VENTILATOR	0.60 x 1.20

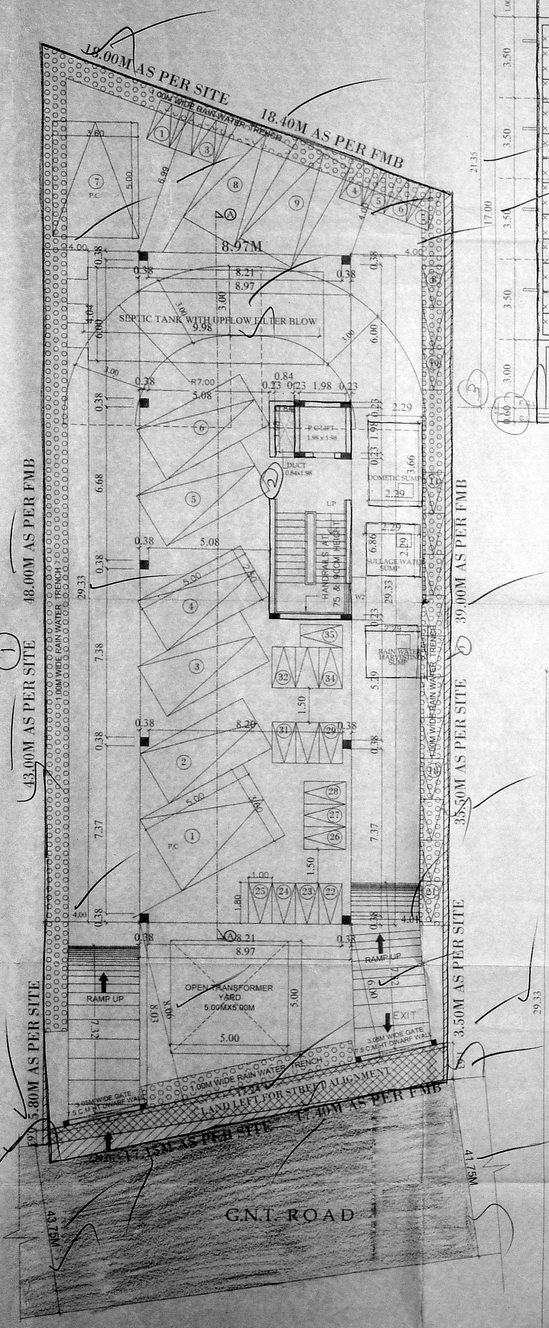
COLOUR INDEX:- SCALE : 1:100

PROPOSED
ROAD
BOUNDARY

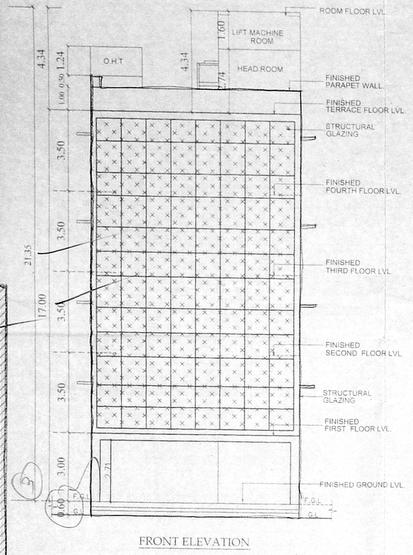
W S N E

OWNER'S SIGNATURE:-

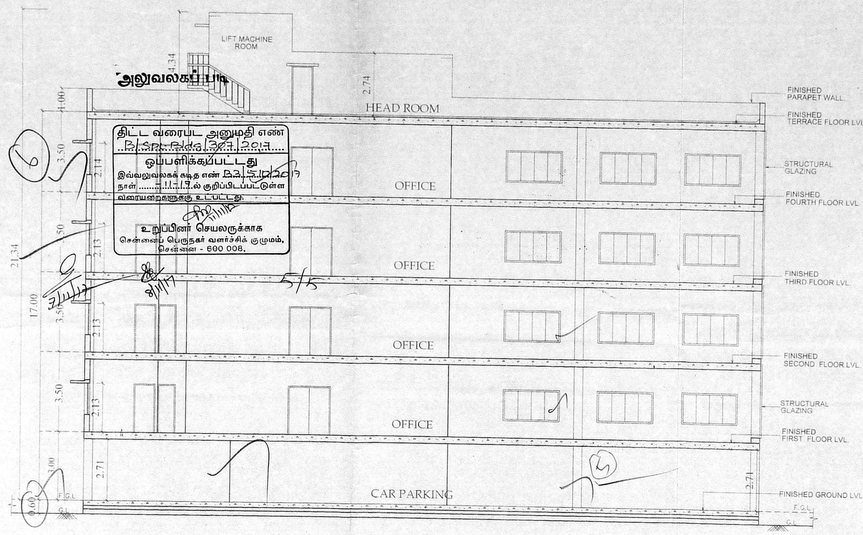
Vybogam
Design Consortium Pvt.Ltd.,
MYTHILL J. BABOU
Architect & Licensed Surveyor
CA 141/5386 & RA No. 158
New No:3 (Old No:1), Judge Jambulingam streets, Mylapore, Chennai 600004.
Phone : 28472097, 28472098.
E.Mail : vybogam@gmail.com



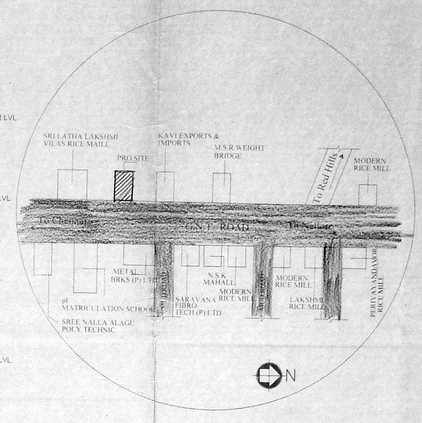
SITE CUM STILT FLOOR PLAN



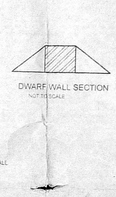
FRONT ELEVATION

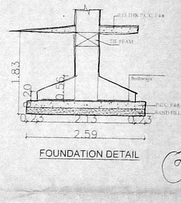


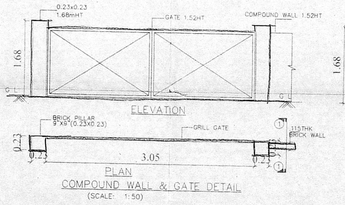
SECTION-AA

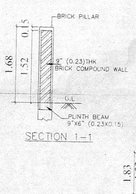


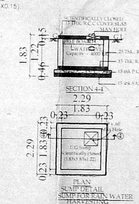
KEY PLAN
NOT TO SCALE

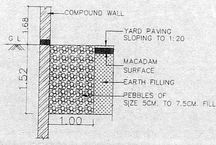


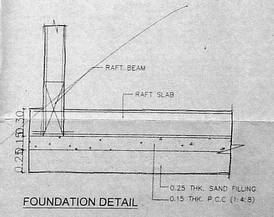




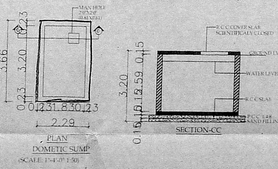


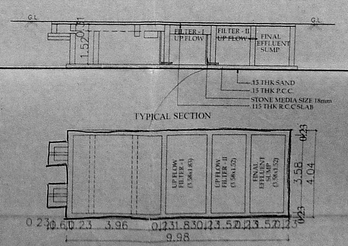




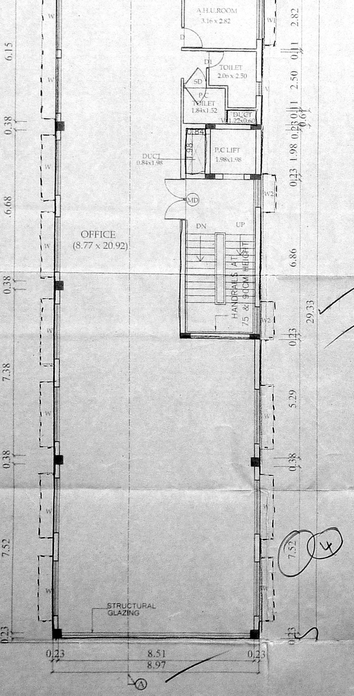


FOUNDATION DETAIL

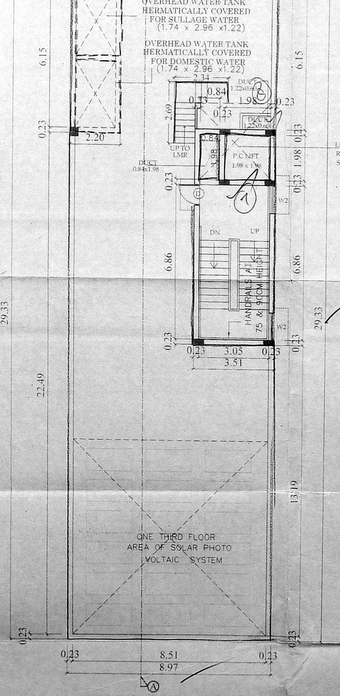




DESIGN OF SEPTIC TANK UP FLOW FILTER	
10 sqm.	1 PERSON
TOTAL 996.14 Sqm.	1000 / 10 = 100
RATE OF WATER SUPPLY IS	480 LPH / DAY
THEN FLOW OF SEWAGE PER DAY	480 x 150 =72000
DETENTION PERIOD IS	18 HRS
TANK CAPACITY	72000 x 18 / 24 = 54000 LITERS
THE TANK IS TO BE CLEANED EVERY YEAR SO SLUDGE STORAGE CAPACITY AT THE RATE OF 15 LITRES FOR PERSON PER YEAR	480x15 = 7200
TOTAL TANK CAPACITY	54000 +7200 = 61200 LITERS
ASSUMING SEPTIC TANK CAPACITY IS 55000 LITERS=55 CU.M	
DEPTH OF LIQUID IS	3M
PLAN AREA OF THE TANK	55 / 3 = 18.33 SQ.M
SIZE OF THE TANK	3M x 5M
WIDTH OF THE TANK	3M
LENGTH OF THE TANK	5M
PROVIDE SEPTIC TANK SIZE	5M x 3M x 3M
PROVIDE SEPTIC TANK SIZE	5M x 3M x 3M
UP FLOW FILTERS	
CAPACITY FOR 450 USERS	450 x .045 = 20.25
DEPTH	1.2 M
HENCE AREA OF FINAL EFFLUENT SUMP	20.25 / 1.2 = 16.87 SQ.M
SIZE OF UPFLOW FILTER NO.1	5.0M x 3.0M x 1.2M
SIZE OF UPFLOW FILTER NO.2	3.5M x 3.0M x 1.0M
SIZE OF FINAL EFFLUENT SUMP	3.5M x 3.0M x 1.0M



TYPICAL FLOOR PLAN
(FIRST,SECOND,THIRD &FOURTH FLOOR PLAN)



TERRACE FLOOR PLAN