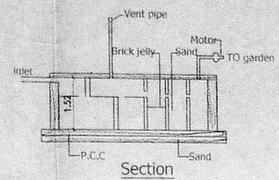
Office Area	602.52 sq.m
No. of users	25 nos.
No. of fixture units assume a peaking factor of 6 lpm.fixture unit	12x 6 Liters = 72 liter per minutes

SEPTIC TANK

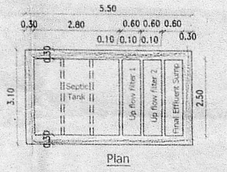
Surface area required for the septic tank	$\frac{72 \times 0.92}{10}$	=	6.64 sq.m. say 7.0sq.m
Volume of free board	7.00 x 0.30m	=	2.10 cu.mt
Volume of sedimentation	7.00 x 0.30m	=	2.10 cu.mt
Volume of digestion	25 x 0.033	=	0.825 cu.mt
Volume of sludge	25 x 365 x 0.0002	=	1.825 cu.mt
Total volume	6.85 cu.mt.		
Total Liquid Depth	1.52 m		
Required size of septic tank	2.50 m x 2.80m x 1.52m		

UPFLOW FILTERS

Capacity for 25 users	25 x 0.045	= 1.125 cu.mt
Depth (assumed)	0.8 (minimum)	
Hence area of final effluent sump	$\frac{1.125}{0.8}$	= 1.40 sq.m
Size of final effluent sump	2.50 x 0.60 x 0.80m	
Size of up flow filter (1)	2.50 x 0.60 x 0.80m	
Size of up flow filter (2)	2.50 x 0.60 x 0.80m	



Section



Plan

Septic tank with upflow filter system

PLAN SHOWING THE PROPOSED CONSTRUCTION OF THE OFFICE BUILDING AT SHOP NO: 2 & 3, HOSPITAL ROAD & 1ST MAIN ROAD, INDIRA PRIYADARSHINI NAGAR, PERUMBAKKAM, CHENNAI –600 100, S.NO:460 (PT), 454/2(PT) (AS PER DOC.), S.NO: 454/2C2,460/2, 460/ 15, (AS PER PATTA), OF PERUMBAKKAM VILLAGE, SHOLINGANALLUR TALUK, KANCHIPURAM DISTRICT, ST.THOMAS MOUNT PANCHAYAT UNION

COLOR INDEX

PROPOSED ROAD BOUNDARY

REF :
CMDA APPROVED LAYOUT NO. PPD/LO NO 91/84

LETTER NO:D2/2740/84 , DATE : 26-12-84

JOINERY DETAILS

MD	Door	2.00 x 2.10
D	Door	1.20 x 2.10
D1	Door	0.90 x 2.10
D2	Door	0.76 x 2.10
GD	GlazedDoor	3.05 x 2.10
FG	Fixed Glass	-
V	Ventilator	0.60 x 0.60

Specification

Brick work	: Super structure with main wall using cm 1:5 mortar Parapet wall cm 1:4 mortar.
Wood work	: Main door teak, and other doors kongu wood using.
Rcc work	: Minimum grade of concrete m25 (1:1:2)
Flooring	: All room ceramics tiles flooring.
Plastering work	: Plastering work in c.m. 1:4.
Weathering course	: Weathering course in brick jelly concrete in c.m.with Two courses of flat tiles laid to detail

AREA DETAILS

S.NO	PLOT AREA DETAILS IN SQ.M	
1	AS PER PATTA	450.00 sq.m ✓
2	AS PER DOC.	449.74 sq.m ✓
3	AS PER SITE	402.18 sq.m ✓

FLOOR AREA DETAILS IN SQ.M

S.NO.	FLOOR	F.S.I AREA
1	FIRST FLOOR	150.45 ✓
2	SECOND FLOOR	150.45 ✓
3	THIRD FLOOR	150.45 ✓
4	FOURTH FLOOR	150.45 ✓
5	TOTAL	601.80 ✓
6	F.S.I	1.496 ✓

SCALE 1: 100

For CONSERVE CONSULTANTS PVT LTD.
Authorised Signatory

அலுவலகப் படி

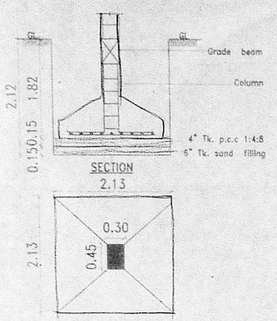
For UTILITY PROJECTS & SERVICES PRIVATE LIMITED

திருத்திய வரைபடம் ...2...
25/7/17

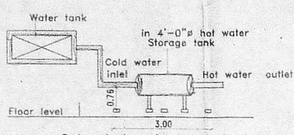
Director/பெயரு.(பி) ..... என்ற OWNER
ந. எண்ணு ...B1/6040/17...
தலையாளர்.....
கூர்ந்தாய்வு
தி. உ.
உ.தி.அ. தி.தி.அ

AJAY SETHI
Director (Architect)
PSP Architects Pvt. Ltd.
3A, Riviera Park,
No. 11, 4th Main Road Extn.,
Kottur Gardens, Kotturpuram
Chennai-600 085
Phone: +91-44-24472328
Council of Architecture Member
Registration No: CA/98/22851

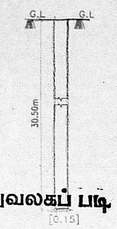
LICENSED SURVEYOR

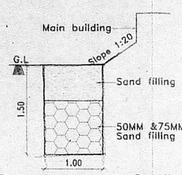


FOUNDATION DETAIL

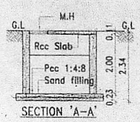


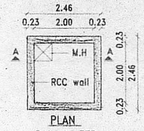
Solar hot water system details



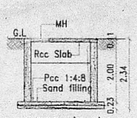


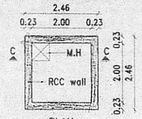
Percolation trench Details



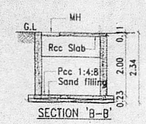


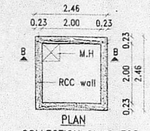
PLAN
RAIN WATER HARVESTING SUMP
(Scientifically closed)



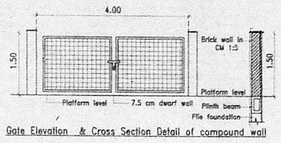


PLAN
METRO WATER SUMP
(Scientifically Closed)

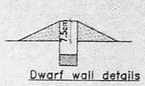


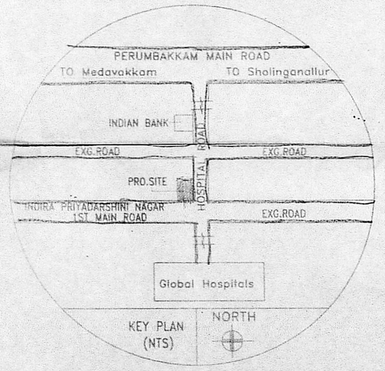


PLAN
COLLECTION SUMP FOR RECYCLING SULLAGE WATER
(Scientifically Closed)

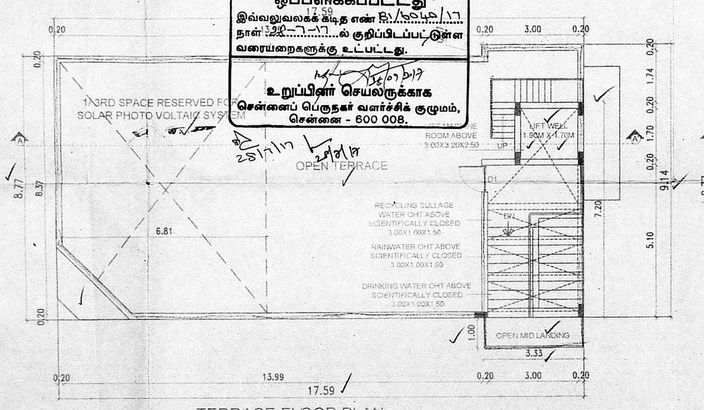


Gate Elevation & Cross Section Detail of compound wall

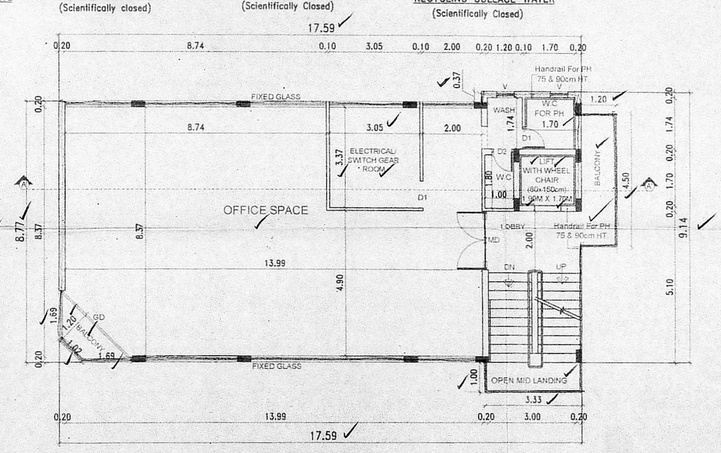




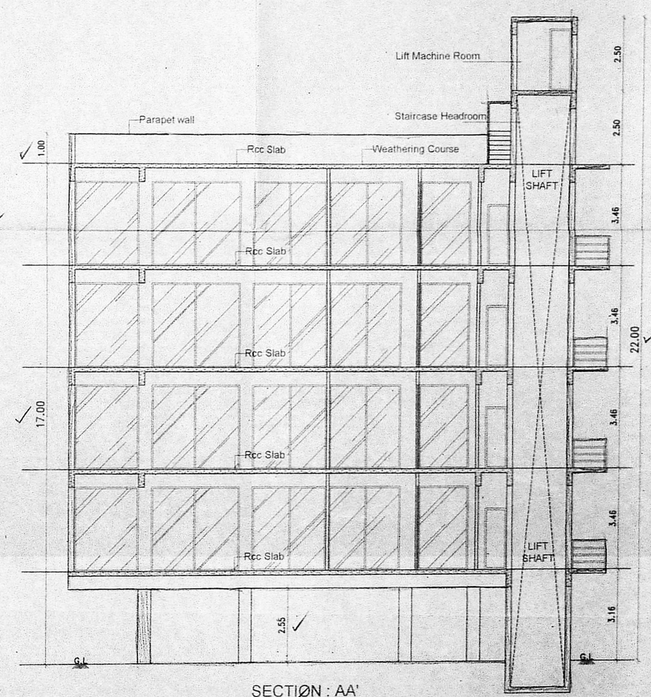
அலுவலகப் படி
திட்ட வரைபட அனுமதி எண்
B/பெ.க.ப/6040/217/2017
ஒப்புவிக்கப்பட்டது
இவ்வலுவலகக் கடித எண் B1/6040/17
நாள் 28.7.17 ல் குறிப்பிடப்பட்டுள்ள வரையறைகளுக்கு உட்பட்டது.
உறுப்பினர் செயலருக்காக
சென்னைப் பெருநகர் வளர்ச்சிக் குழுமம்,
சென்னை - 600 008.



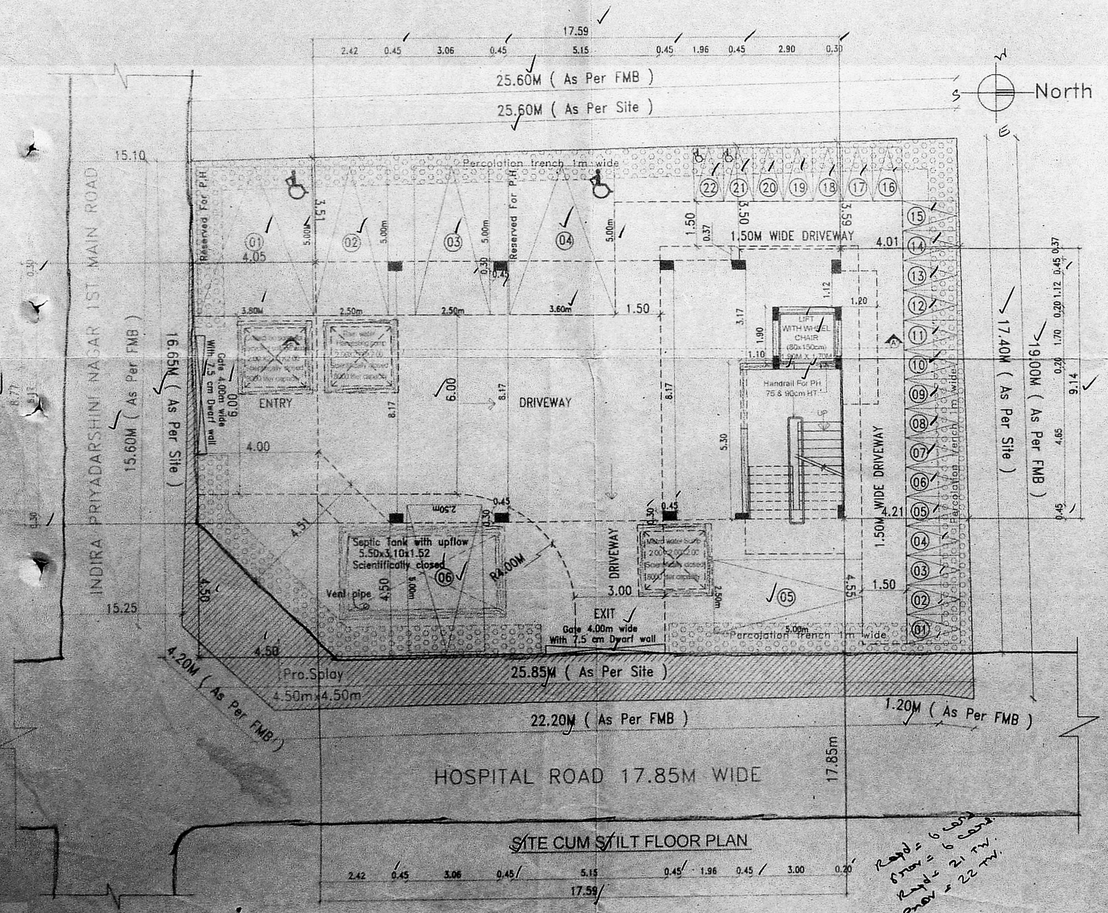
TERRACE FLOOR PLAN



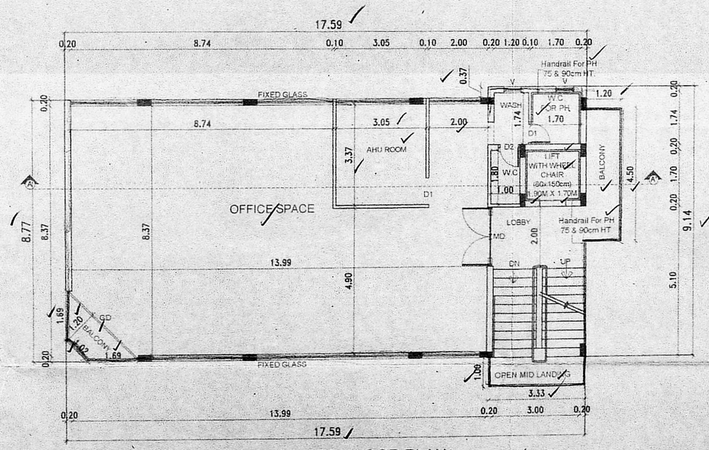
4TH FLOOR PLAN



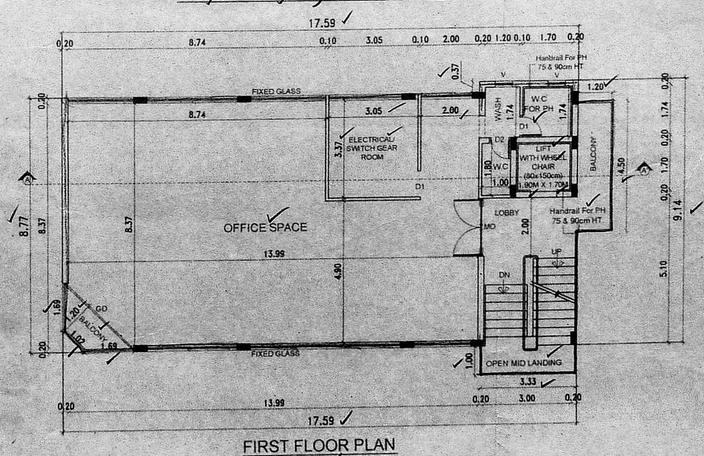
SECTION : AA'



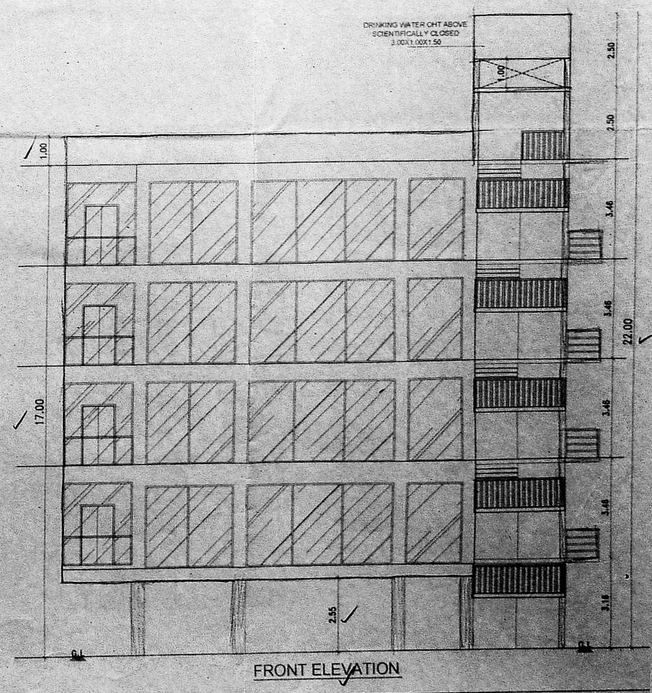
SITE CUM STILT FLOOR PLAN



TYPICAL 2ND & 3RD FLOOR PLAN



FIRST FLOOR PLAN



FRONT ELEVATION