

PROPOSED ADDITIONAL CONSTRUCTION OF BASEMENT + STILT + 2 FLOORS OF COMMERCIAL (SHOWROOM) BUILDING ADJOINING THE EXISTING COMMERCIAL BUILDING AT DOOR No 90/184, MOUNT-POONAMALLE HIGH ROAD, PORUR, CHENNAI - 600 146. COMPRISED IN OLD S.No. 237/2B Part & 238/1B Part (As per Doc.), S.No-237/2B1, 238/1B1A1, 238/1B1B, 238/1B1C & 238/2B2 (As per Patta) OF PORUR VILLAGE WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION. ZONE : XI & DIVISION No: 151

**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  
 Flooring : All room ceramics tiles flooring.  
 Earth work : All earth work excavation in foundation to be done as per dimension given in the section drawing.

**JOINERY DETAILS**

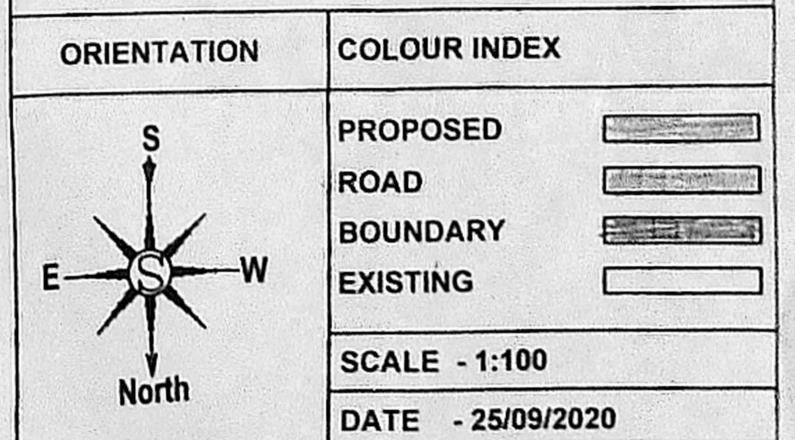
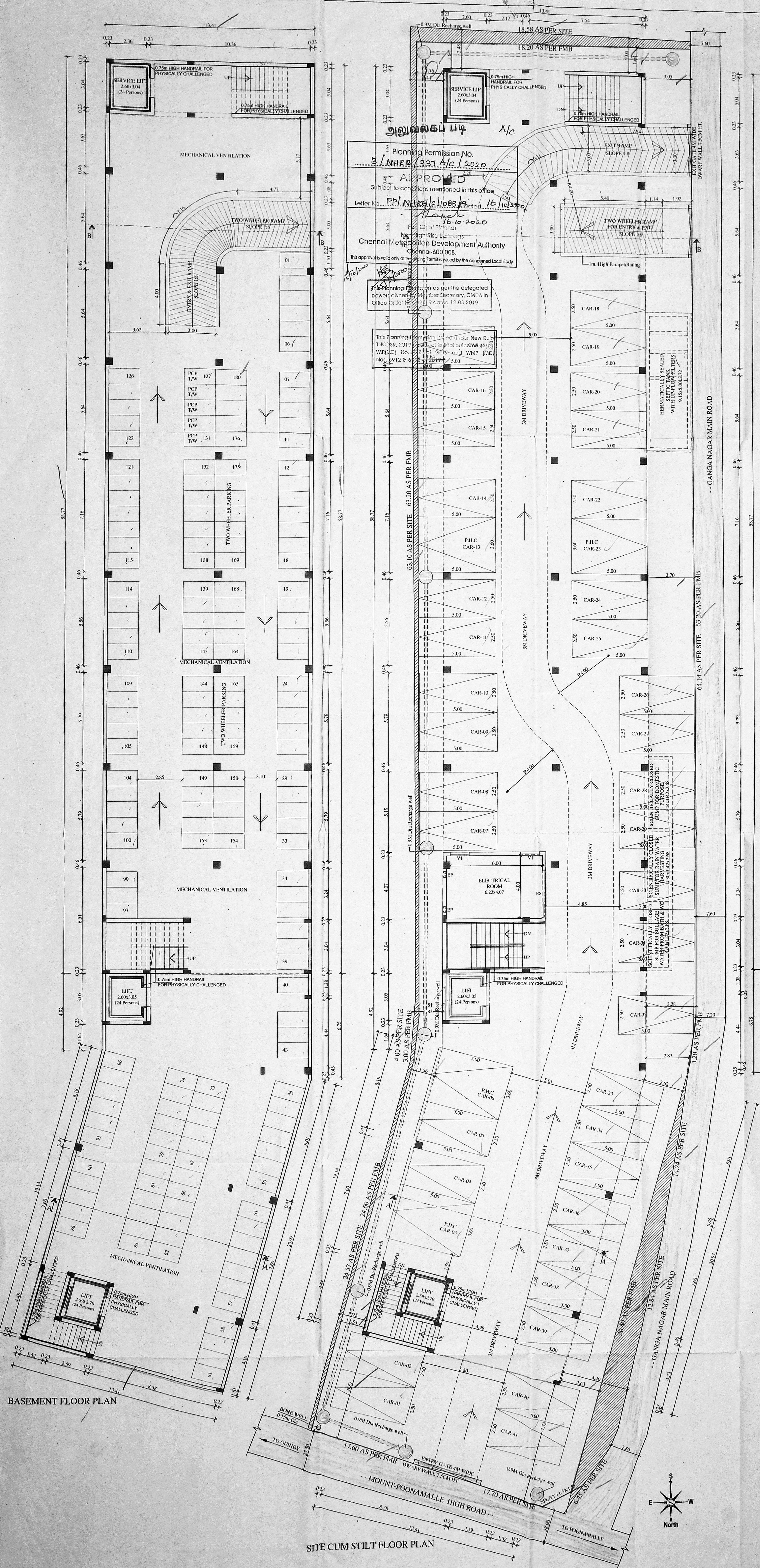
RS	ROLLING SHUTTER	3.00 x 2.44
DD	DOOR	2.00 x 2.13
D1	DOOR	0.91 x 2.13
D2	DOOR	0.76 x 2.13
W1	WINDOW	1.83 x 1.52
W2	WINDOW	1.82 x 1.52
V1	VENTILATOR	1.22 x 0.91
V2	VENTILATOR	0.70 x 0.91
FG	FIXED GLAZING	7.71 x 2.96
SD	SLIDING DOOR	0.91 x 2.13

**AREA DETAILS IN SQ.M**

Description	Sq.M.	
Plot extent		
(i) As per Document	1693.55	
(ii) As per Patta	1705.00	
Floor	Non-F.S.I	F.S.I
Stilt Floor	1104.54	30.77
Basement Floor	1135.31	
First Floor		1135.31
Second Floor		1135.31
Total Area	2239.85	2301.39
F.S.I		1.359

**PARKING DETAILS**

CARS PROVIDED	41
TWO WHEELERS PROVIDED	180



**OWNER**

*(Signature)*

**STRUCTURAL ENGINEER**

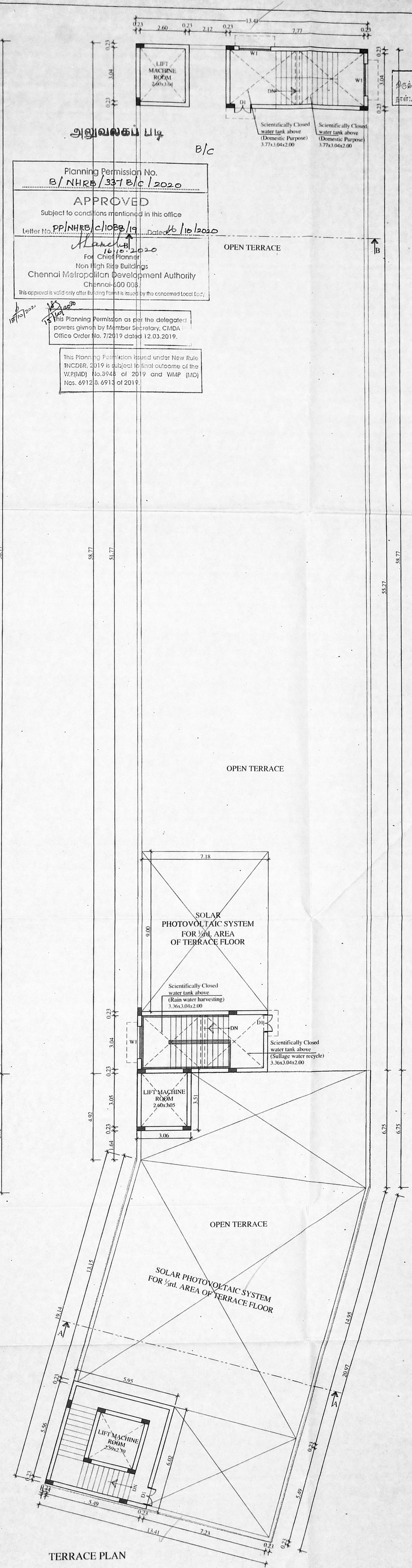
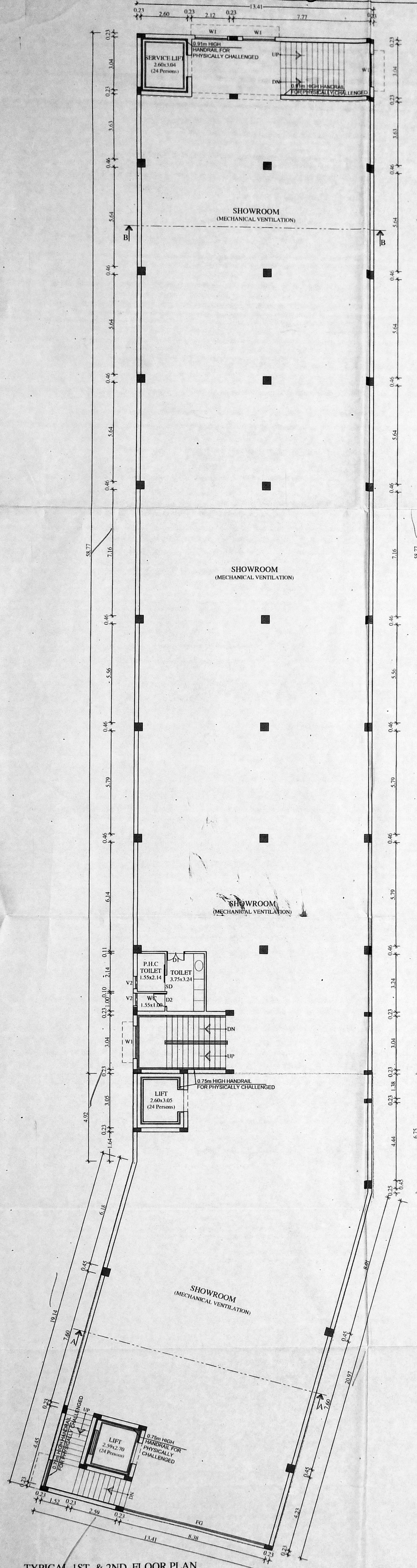
*(Signature)*

**REGISTERED ARCHITECT**

*(Signature)*

**S. SENTHILKUMAR, B.E., A.I.A.,**  
 REGISTERED ARCHITECT CV/94/17745  
 P.L.L.E. (CAUSE), M.L.E. (TRD)  
 COUNCIL OF ARCHITECTURE  
 REGISTERED ARCHITECT GRADE-I (RA)  
 GREATER CHENNAI CORPORATION-MA100442119





அனுவலகப் படி

Planning Permission No.  
B/NHRB/337 B/c/2020

**APPROVED**  
Subject to conditions mentioned in this office

Letter No. PPNHRB/c/1088/19 Date: 16/10/2020

For Chief Planner  
Non High Rise Buildings  
Chennai Metropolitan Development Authority  
Chennai-600 008.

This approval is valid only after Building Permit is issued by the concerned Local Body.

This Planning Permission as per the delegated powers given by Member Secretary, CMDA Office Order No. 7/2019 dated 12.03.2019.

This Planning Permission issued under New Rules INCDBR, 2019 is subject to final outcome of the W.P.(MD) No.3948 of 2019 and W.M.P (MD) Nos. 6912 & 6913 of 2019.

**PROJECT TITLE**

**PROPOSED ADDITIONAL CONSTRUCTION OF BASEMENT + STILT + 2FLOORS OF COMMERCIAL (SHOWROOM) BUILDING ADJOINING THE EXISTING BASEMENT + STILT + 2FLOORS COMMERCIAL BUILDING AT**

Door No. 90/181,  
MOUNT-POONAMALLEE HIGH ROAD,  
PORUR, CHENNAI - 600 116.  
COMPRISED IN OLD S.No. 237/2B Part & 238/1B Part (As per Doc.), S.No. 237/2B1, 238/1B1A, 238/1B1B, 238/1B1C & 238/2B2 (As per Patta) OF PORUR VILLAGE WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION.

**ZONE : XI & DIVISION No: 151**

**SPECIFICATION**

Brick work : Super structure with main wall using cm 1:5 mortar, parapet wall cm 1:4 mortar.

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**ORIENTATION**

**COLOUR INDEX**

**PROPOSED**

**ROAD BOUNDARY**

**EXISTING**

**SCALE - 1:100**

**DATE - 25/09/2020**

**OWNER**

**STRUCTURAL ENGINEER**

**REGISTERED ARCHITECT**

**OWNER**

*Demo*

**STRUCTURAL ENGINEER**

**REGISTERED ARCHITECT**

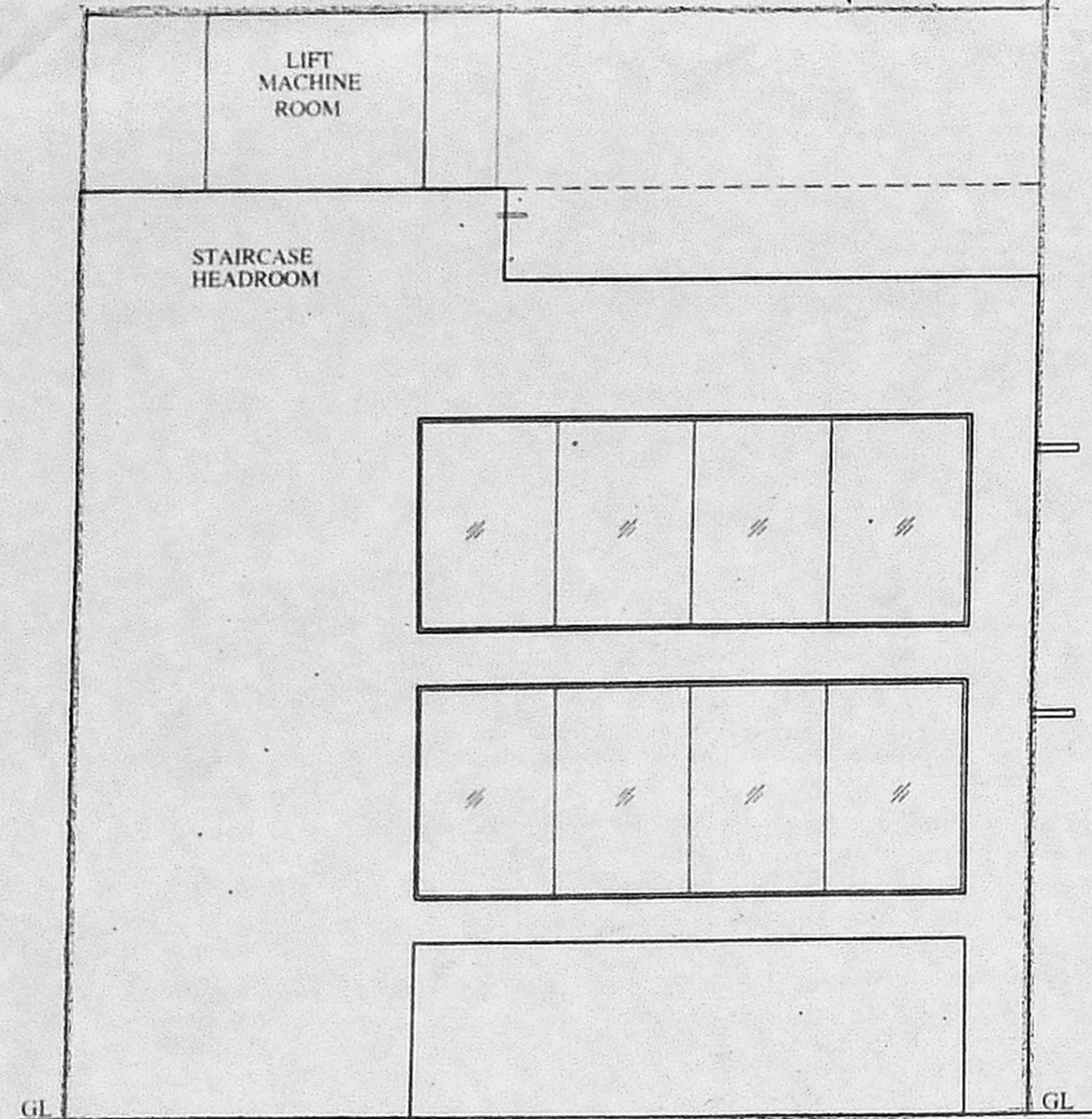
**Dr. ALEX JACOB**  
B.E., M.Tech (Str), Ph.D (Hon),  
M.E. (A&S), M.I.E. (Ind)  
STRUCTURAL ENGINEER,  
11A, BEACH ROAD, KALAKSHETRA COLONY,  
CHENNAI - 600 008  
REG No. SE/GR-1/8/02/001  
REG No. RSE100392019

**REGISTERED ARCHITECT**

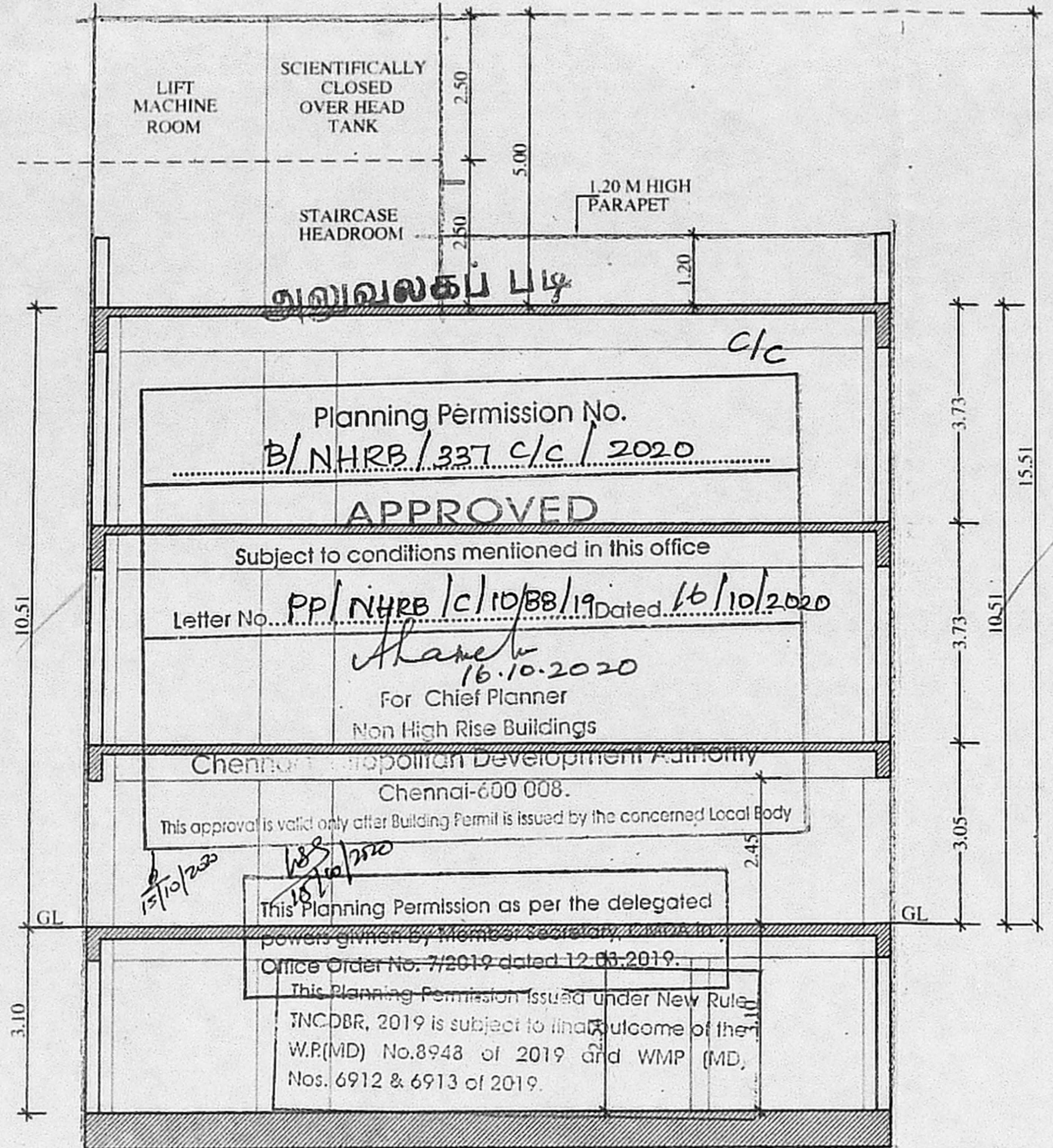
**S. Senthil Kumar, R.E.A.A.**  
REGISTERED ARCHITECT  
COUNCIL OF ARCHITECTS  
CMDA RA/RA/19/08/021  
REGISTERED ARCHITECT GRADE-I (RA)  
GREATER CHENNAI CORPORATION-RA100442019

**SHEET No. 2/3**

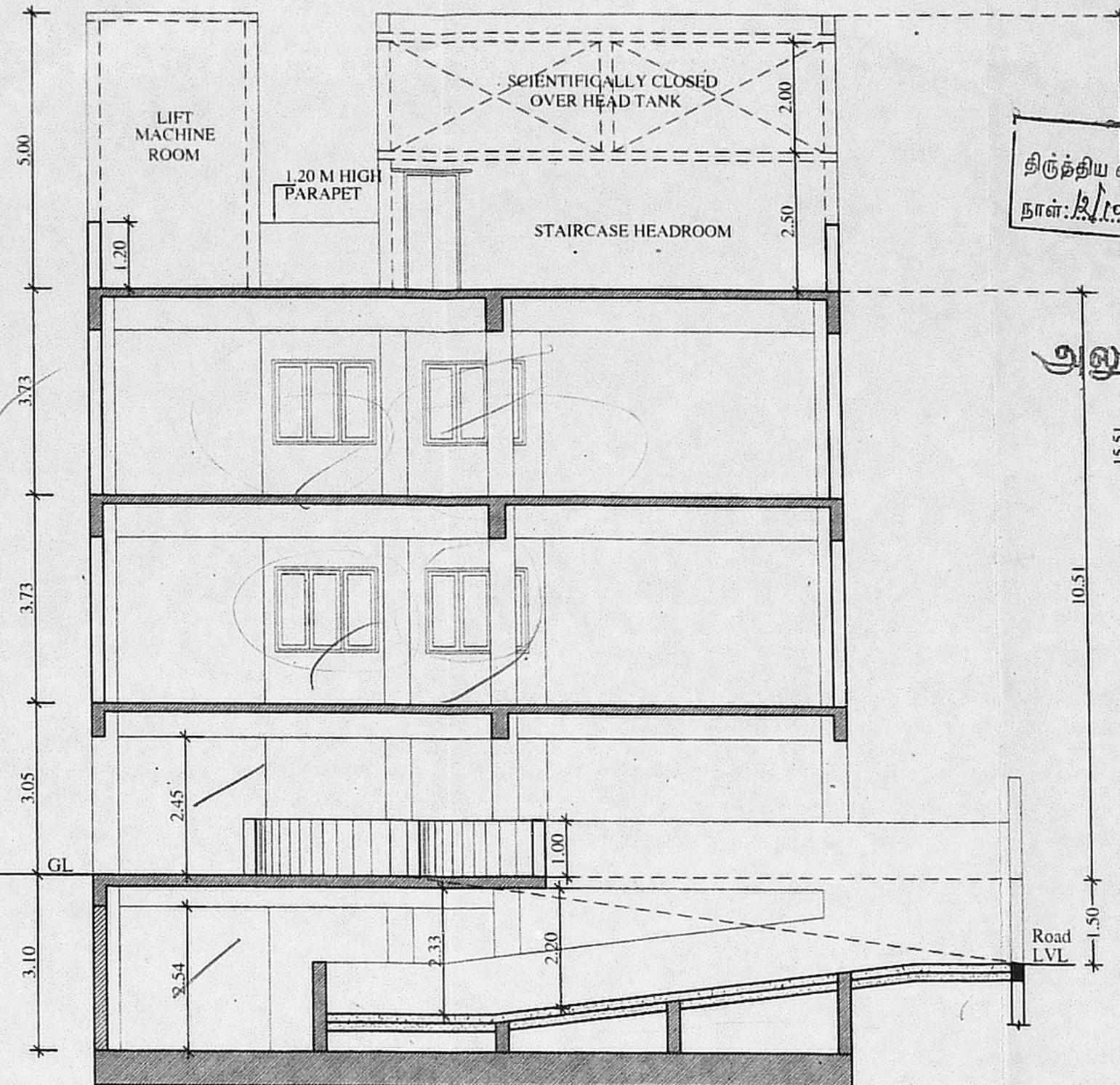




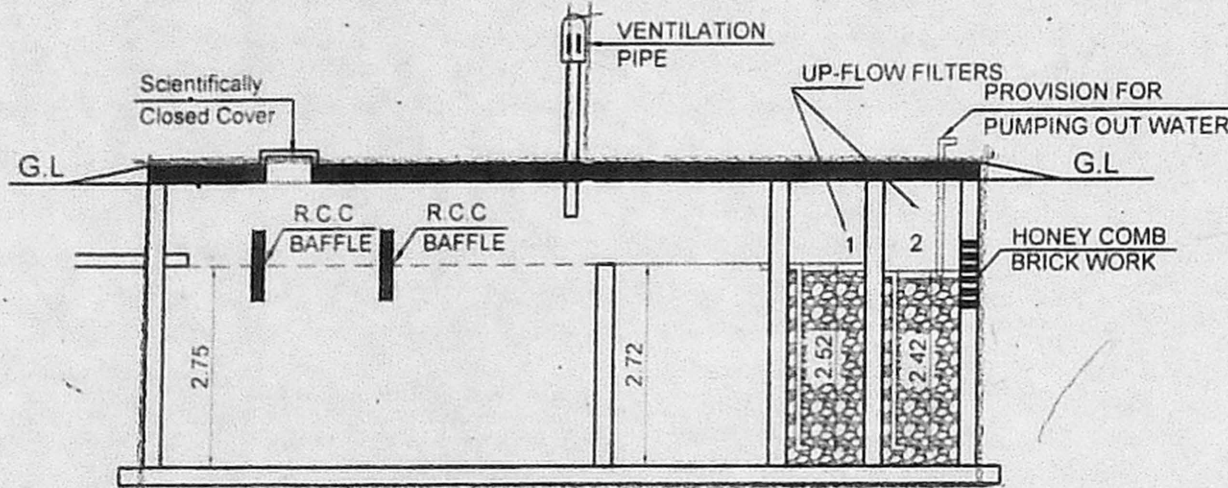
FRONT ELEVATION



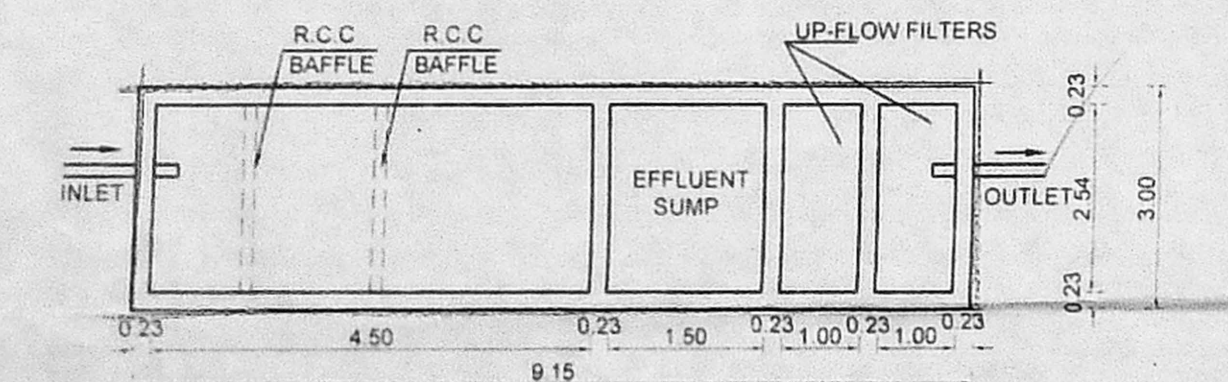
SECTION AT "A-A"



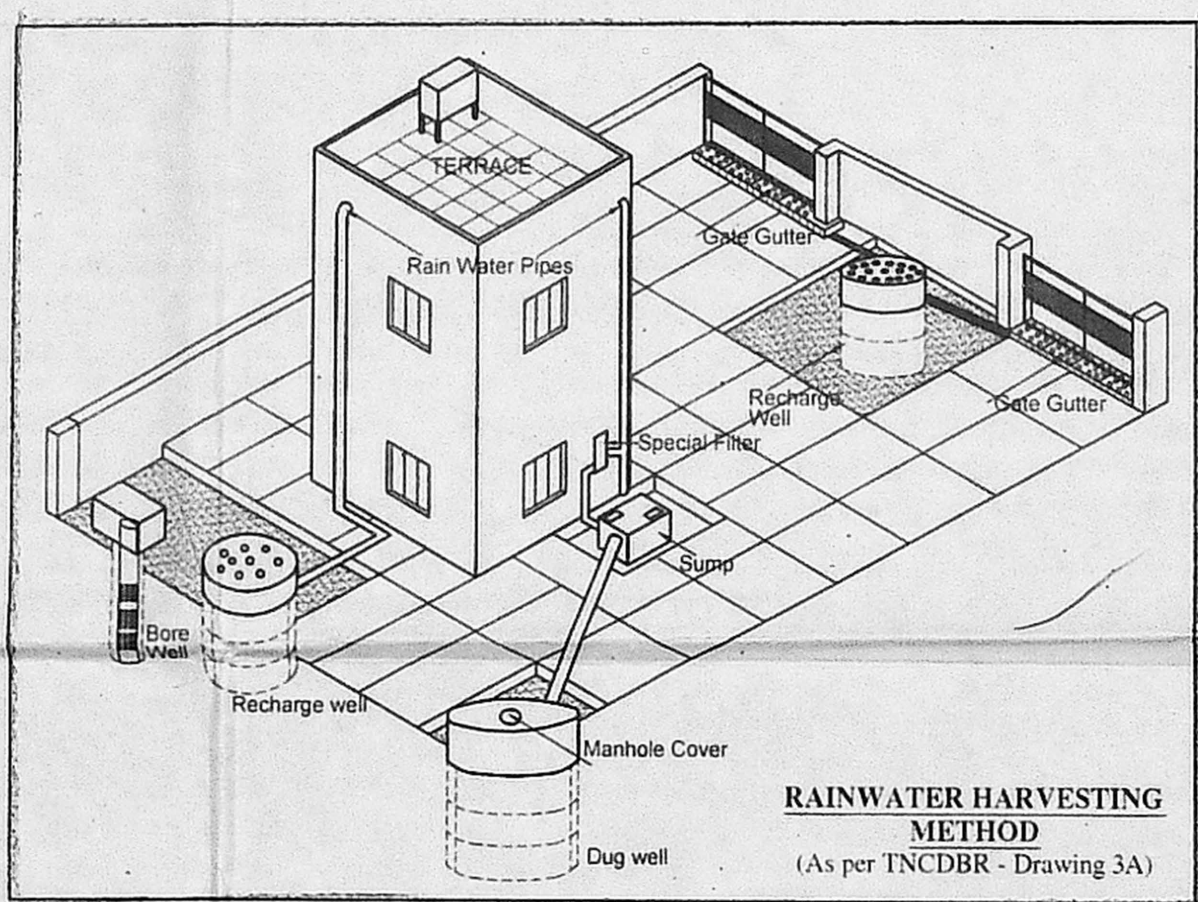
SECTION AT "B-B"



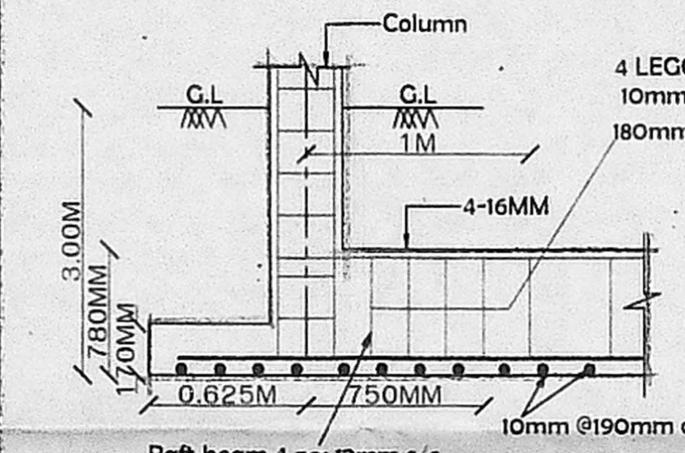
SECTION OF SEPTIC TANK



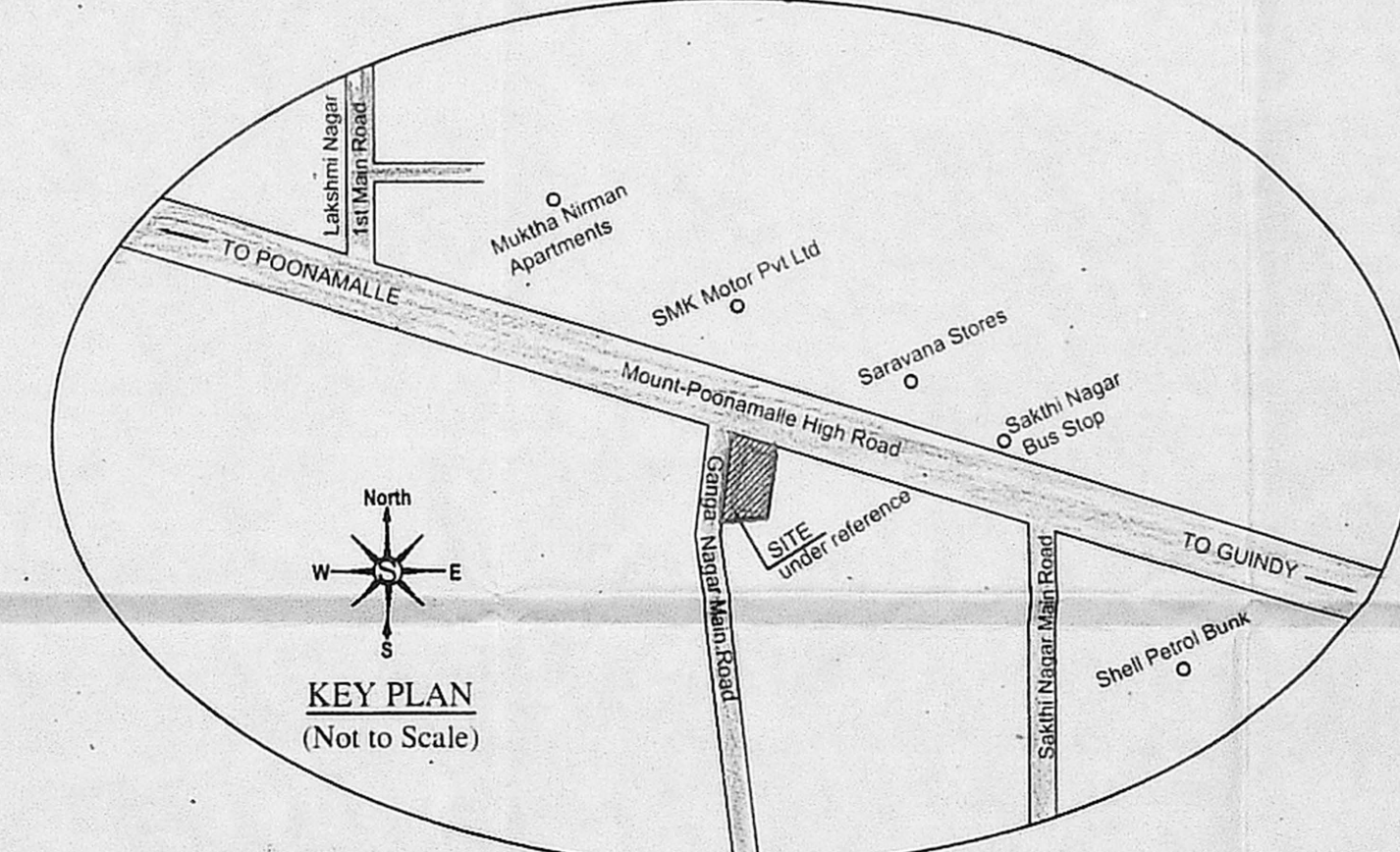
PLAN OF SEPTIC TANK



RAINWATER HARVESTING METHOD (As per TNCDBR - Drawing 3A)



RAFT FOUNDATION DETAIL (NOT TO SCALE)



KEY PLAN (Not to Scale)

**DESIGN OF UP-FLOW FILTER SEPTIC TANK**

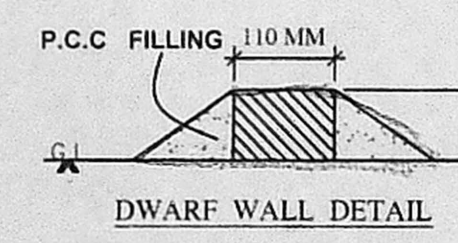
Commercial Area 1964 sq.m  
 Proposed occupants 197 Nos.  
 Total number of fixture units 20 x 6 = 120 lpm  
 Assume a peaking factor of 6lpm per fixture unit

**SEPTIC TANK**

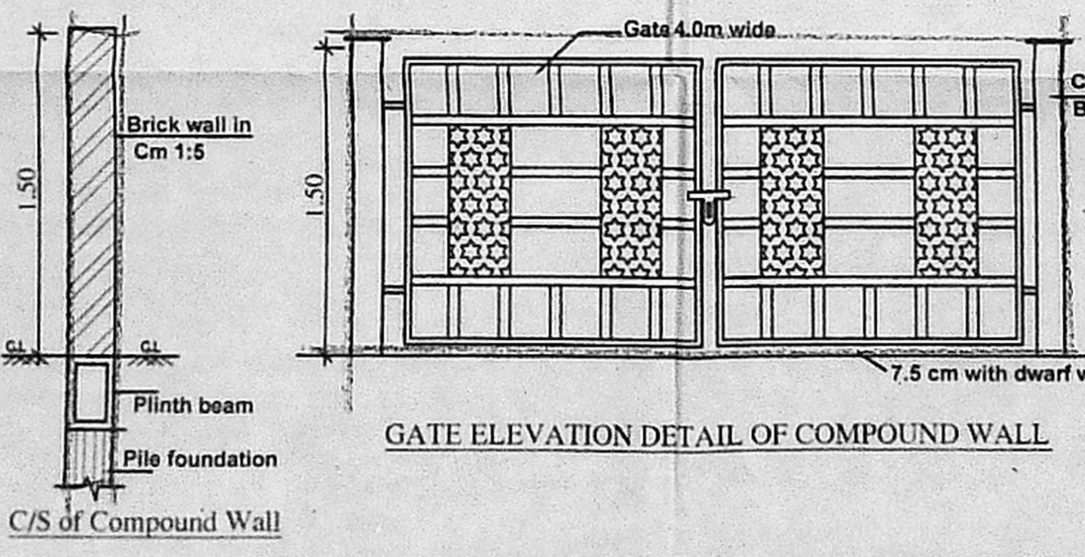
Surface volume required for the septic tank 120x0.95/10 = 11.40 sq.m  
 Volume of free board 11.40x0.30 = 3.42 cu.m  
 Volume of sedimentation 11.40x0.30 = 3.42 cu.m  
 Volume of digestion 197x0.032 = 6.31 cu.m  
 Volume of sludge 197x90x0.001 = 17.73 cu.m  
 Total volume 30.88 cu.m  
 Depth of septic tank 30.88/11.40 = 2.72 m  
 Providing length - breadth 2.5 : 1  
 Size of septic tank 4.50x2.54x2.72

**UP-FLOW FILTER**

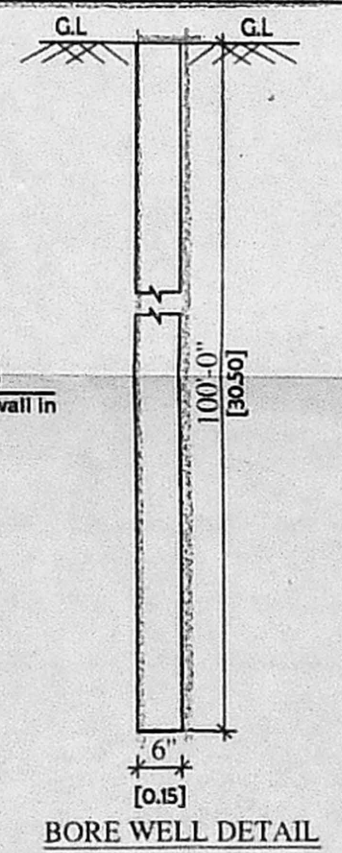
Capacity of 227 users 197x0.045 = 8.87 sq.m  
 Depth (assumed) 2.72 (minimum)  
 Hence area of final effluent sump 10.21/2.72 = 3.26 sq.m  
 Size of final effluent sump 1.50x2.54x2.72  
 Size of up-flow filter (1) 1.00x2.54x2.52  
 Size of up-flow filter (2) 1.00x2.54x2.42



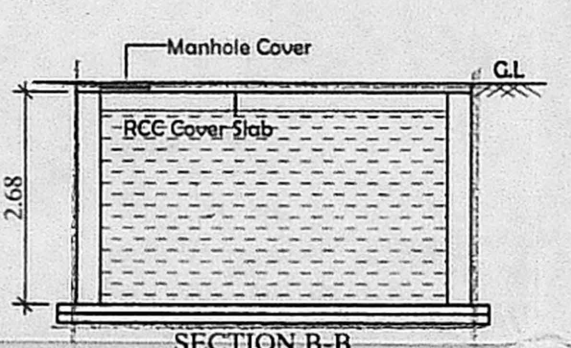
DWARF WALL DETAIL



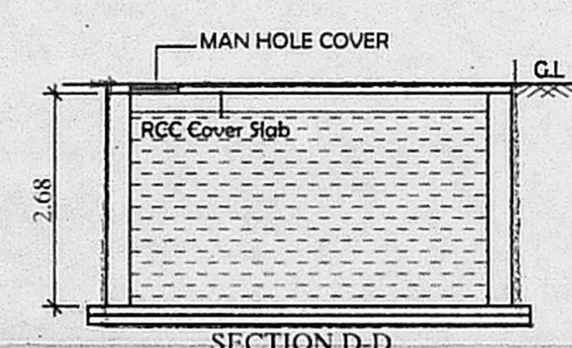
GATE ELEVATION DETAIL OF COMPOUND WALL



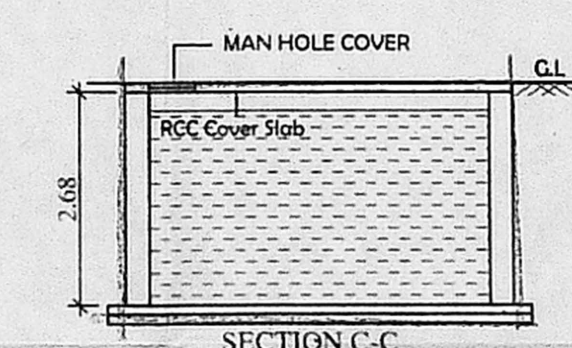
BORE WELL DETAIL



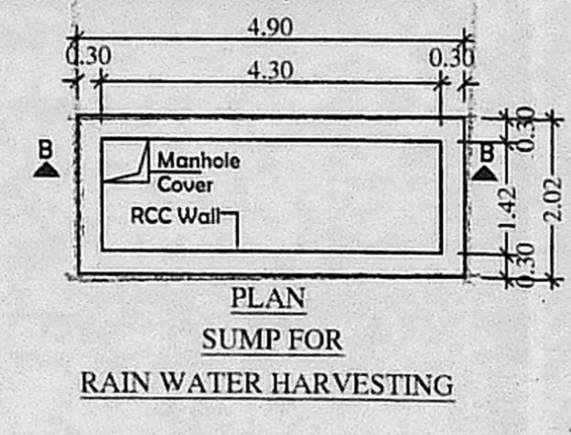
SECTION B-B



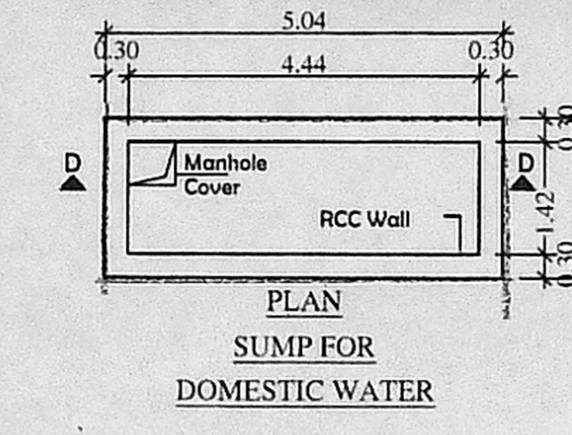
SECTION D-D



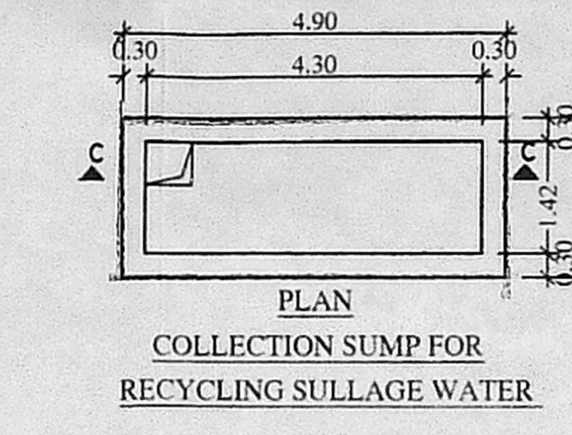
SECTION C-C



PLAN SUMP FOR RAIN WATER HARVESTING



PLAN SUMP FOR DOMESTIC WATER



PLAN COLLECTION SUMP FOR RECYCLING SULLAGE WATER

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SCALE - 1:100  
 DATE - 25/09/2020

**OWNER**

**STRUCTURAL ENGINEER**

**REGISTERED ARCHITECT**

**Dr. ALEX JACOB**  
 B.E., M.Tech (Str), Ph.D(Hon), M.I.E. (Aust), M.I.E. (Ind)  
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**S. SENTHILKUMAR**, B.E., M.Tech., REGISTERED ARCHITECT CA/94/17745 COUNCIL OF ARCHITECTURE C.M.D.A RA/GR/19/03/021 REGISTERED ARCHITECT GRADE-I (RA) GREATER CHENNAI CORPORATION-RA100442019

**SHEET No. 3/3**