

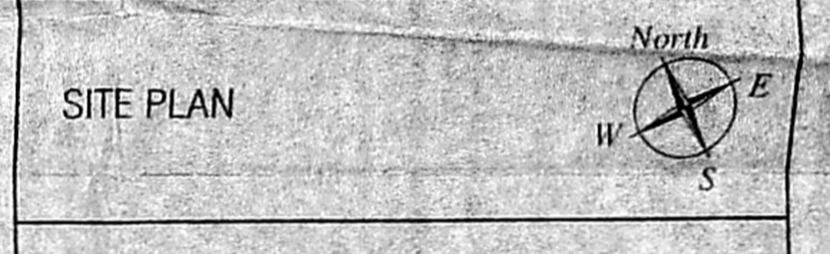
PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING AT KAMARAJ STREET, OKKIYAM THORAIPAKKAM, CHENNAI COMPRISING IN S.No. 104/25B, 224/1A1A2, 1A1A3, 225/1, 2, 3A1, 3A2, 3B1, 3B2 (AS PER PATTA) SHOLINGANALLUR TALUK, KANCHEEPURAM DISTRICT WITHIN LIMIT OF GREATER CHENNAI CORPORATION ZONE-15, DM, 10/2/2014

**SCHEDULE OF JOINERY**

MD	T.W	DOOR	1.07	x	2.13
D1	T.W	DOOR	0.91	x	2.13
D2	T.W	DOOR	0.84	x	2.13
D3	T.W	DOOR	0.76	x	2.13
W	T.W	WINDOW	2.44	x	1.37
W1	T.W	WINDOW	1.83	x	1.37
W2	T.W	WINDOW	1.22	x	1.37
W3	T.W	WINDOW	0.99	x	1.37
W4	T.W	WINDOW	0.61	x	1.37
V	T.W	VENTILATOR	0.60	x	0.60
V1	T.W	VENTILATOR	1.22	x	0.60
RS		ROLLING SHUTTER	3.05	x	2.20

**COLOUR INDEX**

PROPOSED	
ROAD	
BOUNDARY	



SCALE : 1:200

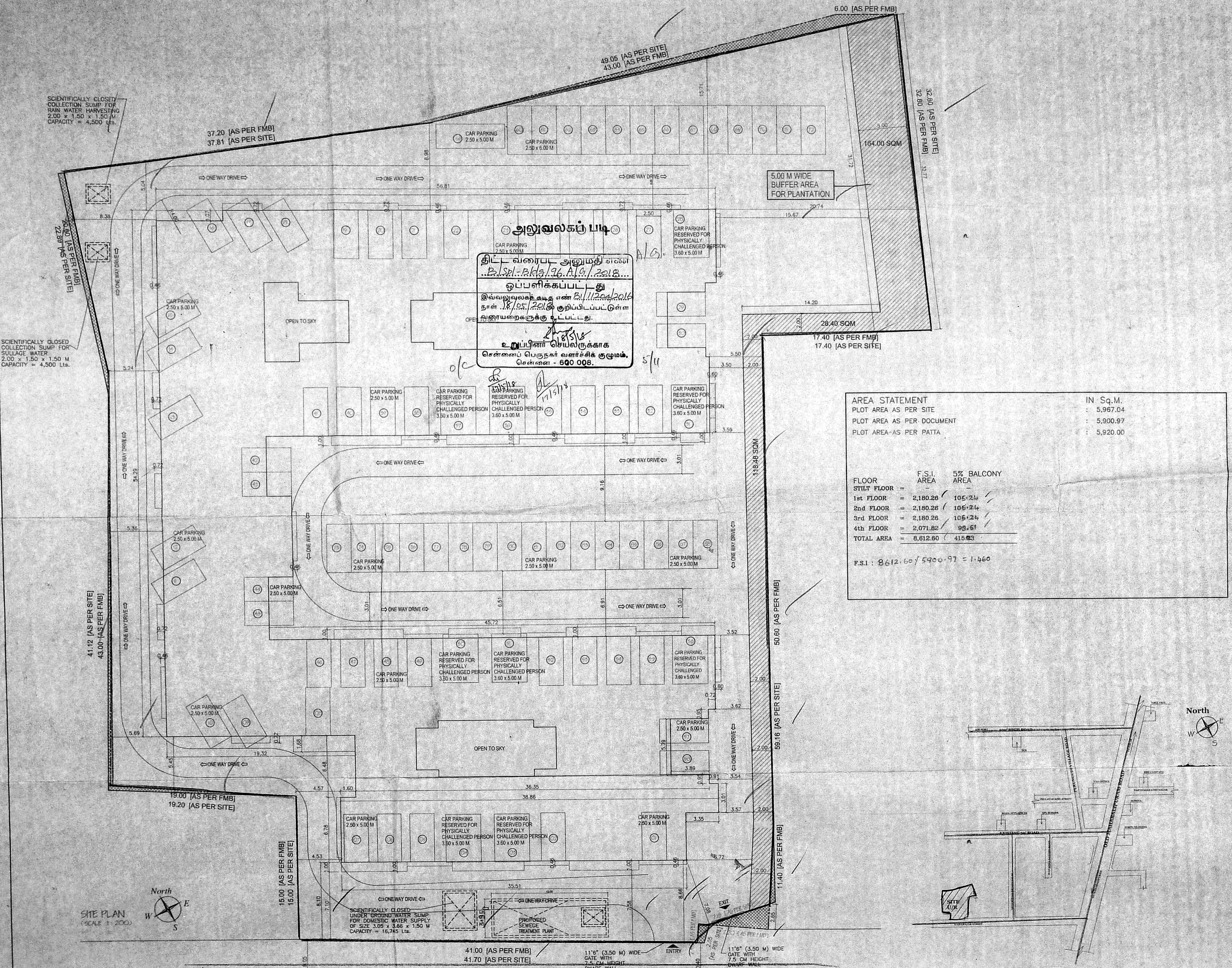
ALL DIMENSIONS ARE IN METER

For RAMGOSRI CONSTRUCTIONS PVT. LTD.  
*Ramachandran Sreeraja*  
 Director

**OWNER**

*Saints Chordley*  
 SAVITA CHOWDHRY, B.Arch., B.A.,  
 Registered Architect  
 Council of Architects-No. CA/81/6445  
 Class I Licenced Surveyor No. 32  
 No. 9, State Bank Street, Chennai-600 002.

**LICENSED SURVEYOR**



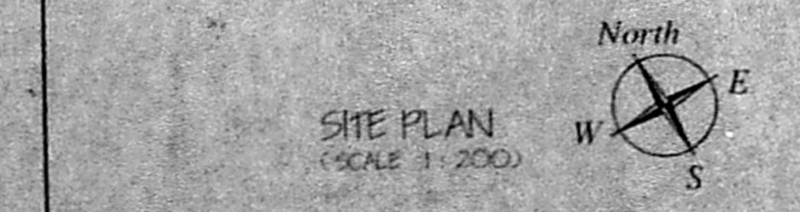
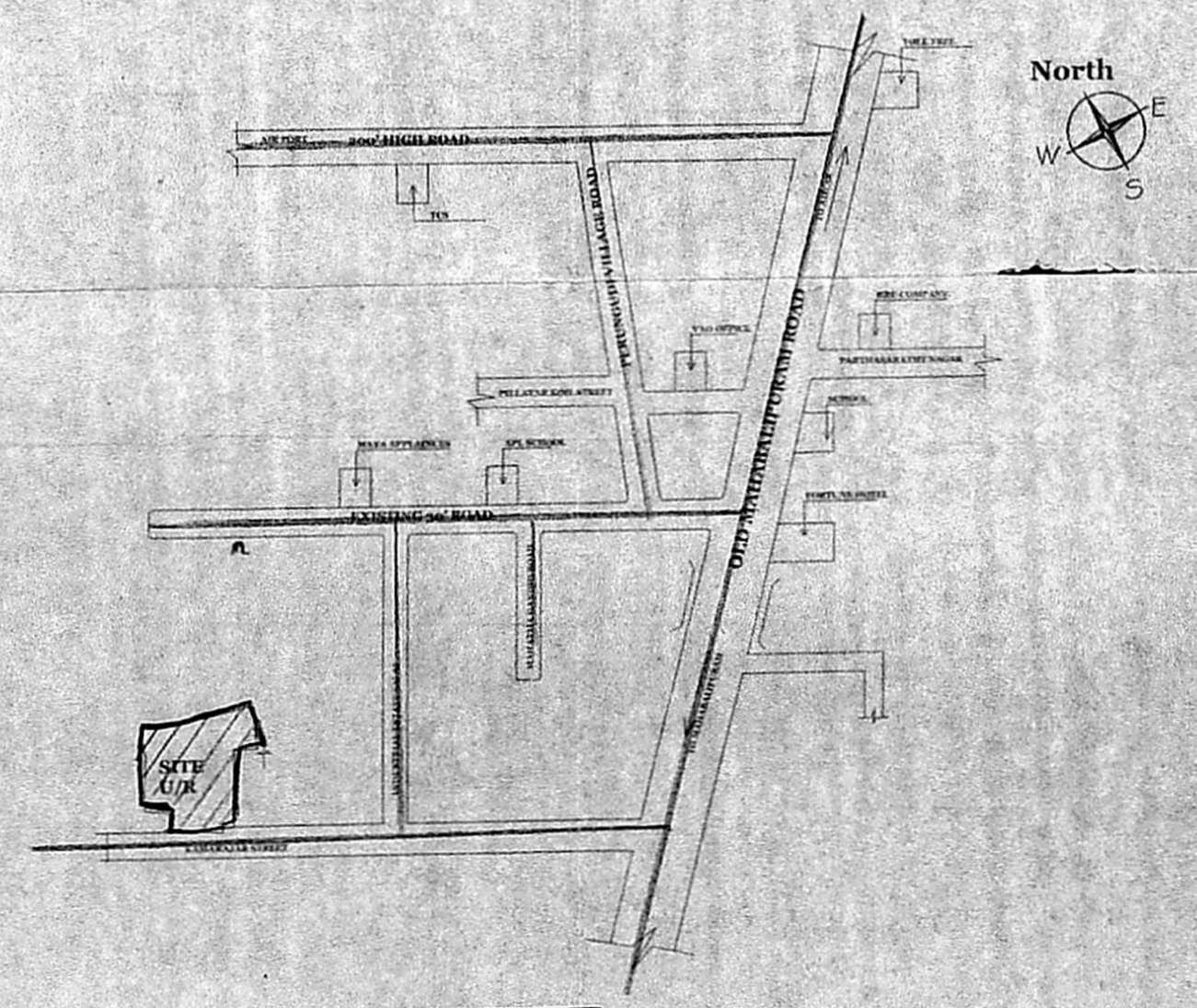
**AREA STATEMENT**

PLOT AREA AS PER SITE	IN Sq.M.	: 5,967.04
PLOT AREA AS PER DOCUMENT		: 5,900.97
PLOT AREA-AS PER PATTA		: 5,920.00

FLOOR	F.S.I. AREA	5% BALCONY AREA
STILT FLOOR	-	-
1st FLOOR	2,180.26	105.24
2nd FLOOR	2,180.26	105.24
3rd FLOOR	2,180.26	105.24
4th FLOOR	2,071.82	93.61
TOTAL AREA	8,612.80	415.33

F.S.I. : 8612.80 / 5900.97 = 1.460



KAMARAJ STREET

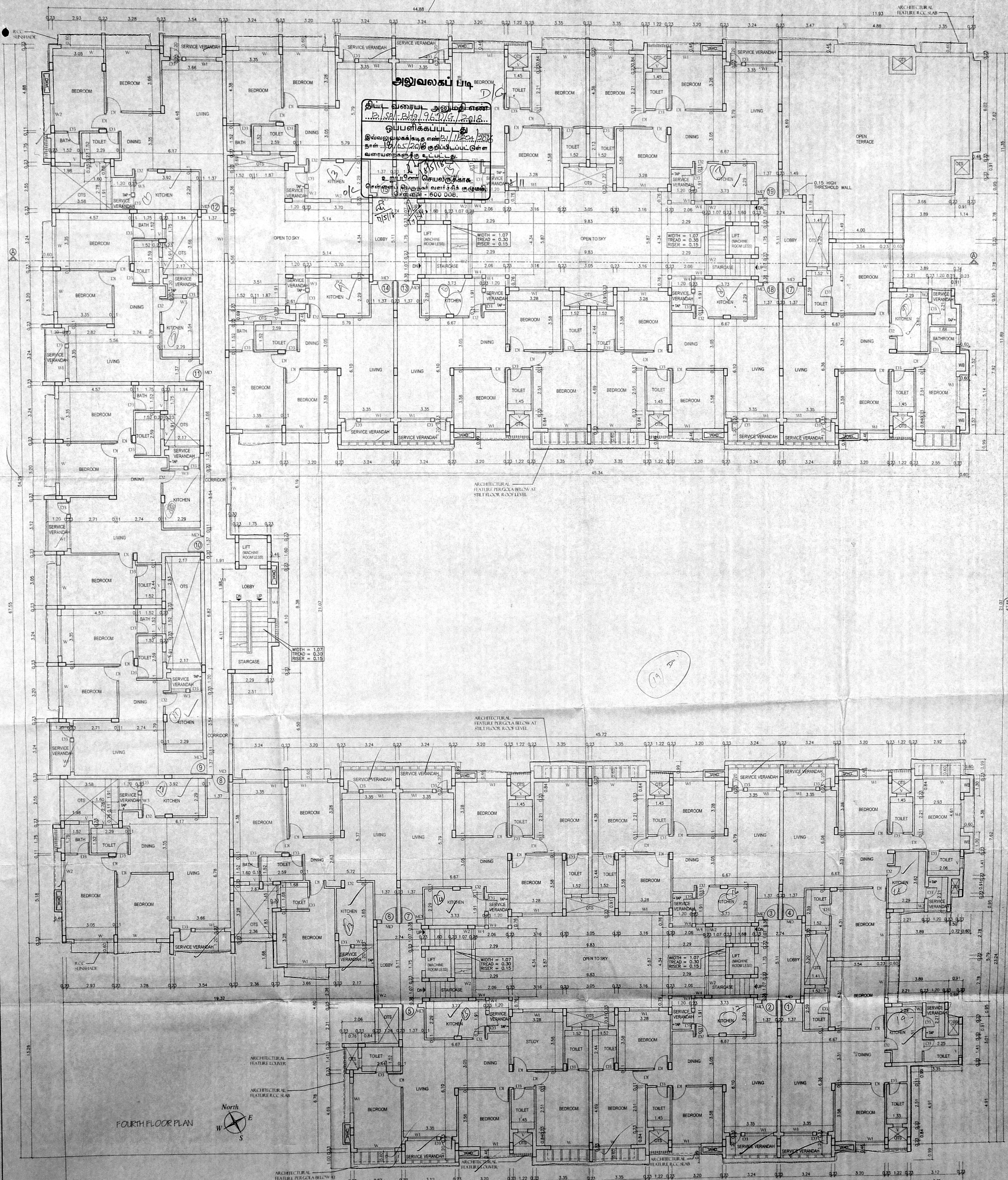
11'6" (3.50 M) WIDE GATE WITH 7.5 CM HEIGHT DWARF WALL

11'6" (3.50 M) WIDE GATE WITH 7.5 CM HEIGHT DWARF WALL





**அலுவலகப் படி**  
 PLAN SHOWING THE PROPOSED  
 CONSTRUCTION OF RESIDENTIAL  
 BUILDING AT KAMARAJ STREET,  
 OKKIYAM THORAPAKKAM, CHENNAI  
 COMPRISING IN S/N 104/25B,  
 224/1A1A2, 1A1A3, 225/1, 2, 3A1,  
 3A2, 3B1, 3B2 (AS PER PATTI)  
 SHOLINGANALUR TALEUK  
 KANCHEEPURAM DISTRICT  
 WITHIN LIMIT OF GREATER CHENNAI  
 CORPORATION, ZONE-15, DIV.194.

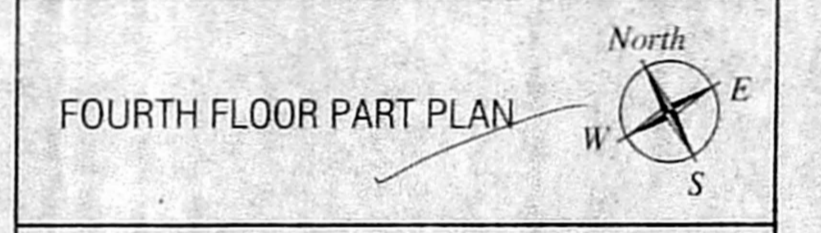


**SCHEDULE OF JOINERY**

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D1	T.W DOOR	0.91 x 2.13
D2	T.W DOOR	0.84 x 2.13
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W	T.W WINDOW	2.44 x 1.37
W1	T.W WINDOW	1.83 x 1.37
W2	T.W WINDOW	1.22 x 1.37
W3	T.W WINDOW	0.99 x 1.37
W4	T.W WINDOW	0.61 x 1.37
V	T.W VENTILATOR	0.60 x 0.60
V1	T.W VENTILATOR	1.22 x 0.60
RS	ROLLING SHUTTER	3.12 x 2.20

**COLOUR INDEX**

PROPOSED	[Line Style]
ROAD	[Line Style]
BOUNDARY	[Line Style]



SCALE : 1:100

DATE

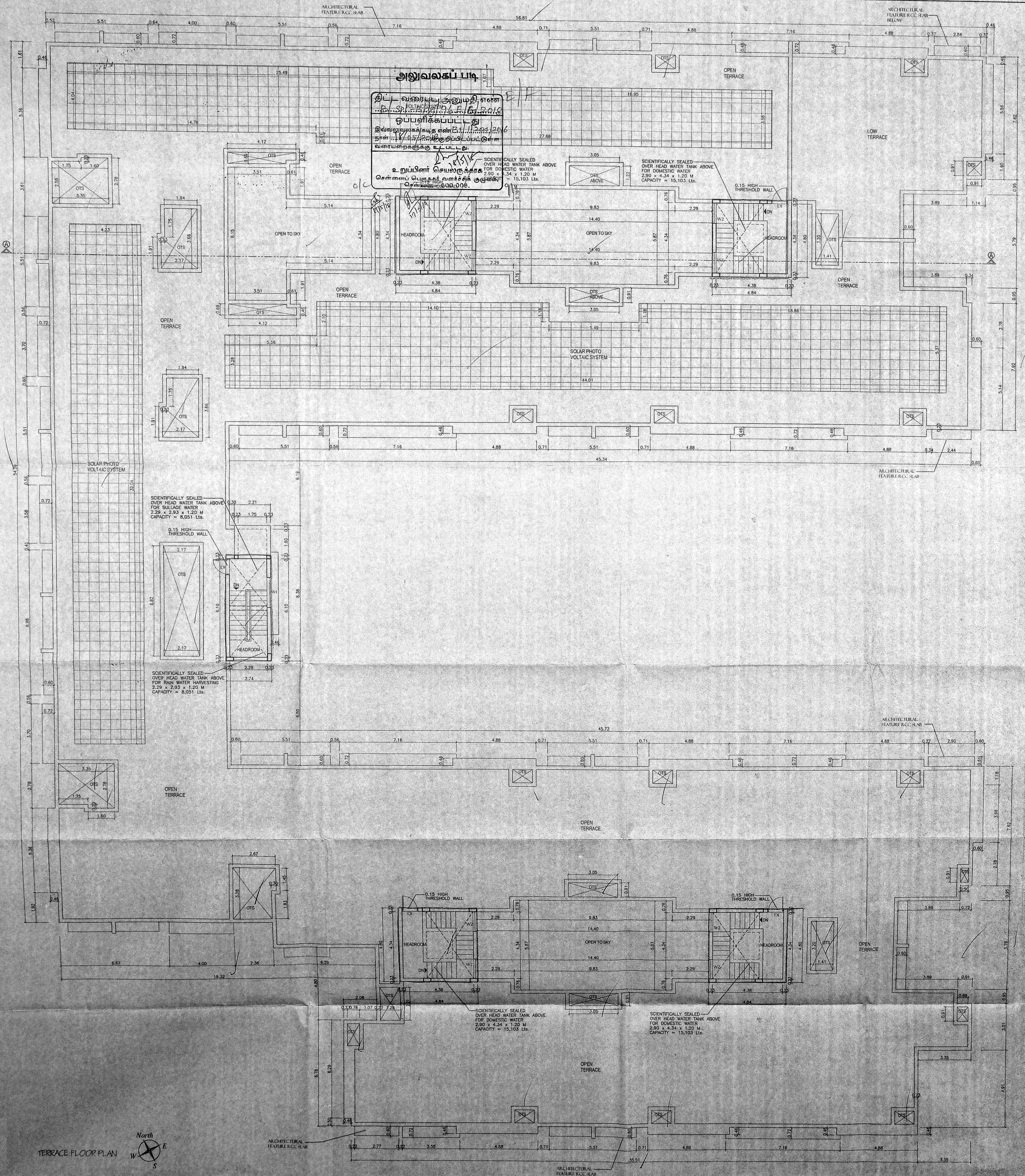
ALL DIMENSIONS ARE IN METER

For RAMGOSRI CONSTRUCTIONS PVT. LTD.  
 Director  
 Ramasubramanian Sreepathy  
**OWNER**

Savita Chowdhry  
 SAVITA CHOWDHRY, ARCH. F.I.A.  
 Registered Architect  
 Council of Architects No. CA/81/6445  
 Class I Licensed Surveyor No. 32  
 No. 9, State Bank Street, Chennai-600 002.

LICENSED SURVEYOR

PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING AT KAMARAJ STREET, OKKIYAM THORAPAKKAM, CHENNAI COMPRISING IN No. 104/25B-1, 104/25B-2, 224/1A1A2, 1A1A3, 225/1, 2, 3A1, 3A2, 3B1, 3B2 (AS PER PATTA) SHOLINGANALLUR TALUK, KANCHEEPURAM DISTRICT WITHIN LIMIT OF GREATER CHENNAI CORPORATION, ZONE:15, DIV.194.



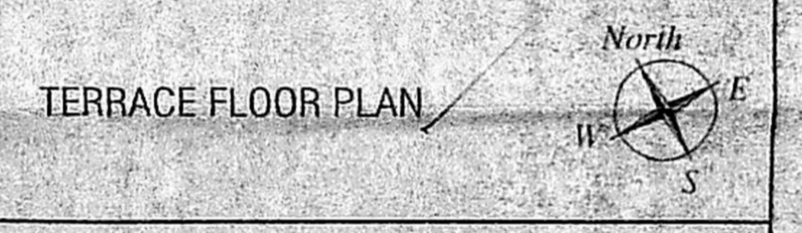
அலுவலகப் படி  
 திட்ட வரைபடம் அனுமதி எண்  
 ...  
 உறுப்பினர் செயலாக்கம்  
 சென்னைப் பெருநகர் வளர்ச்சி அமைச்சு  
 மெட்ராஸ்-600008.

SCHEDULE OF JOINERY

MD	T.W DOOR	1.07 x 2.13
D1	T.W DOOR	0.91 x 2.13
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RS	ROLLING SHUTTER	3.12 x 2.20

COLOUR INDEX

PROPOSED	[Line Style]
ROAD	[Line Style]
BOUNDARY	[Line Style]



SCALE : 1:100

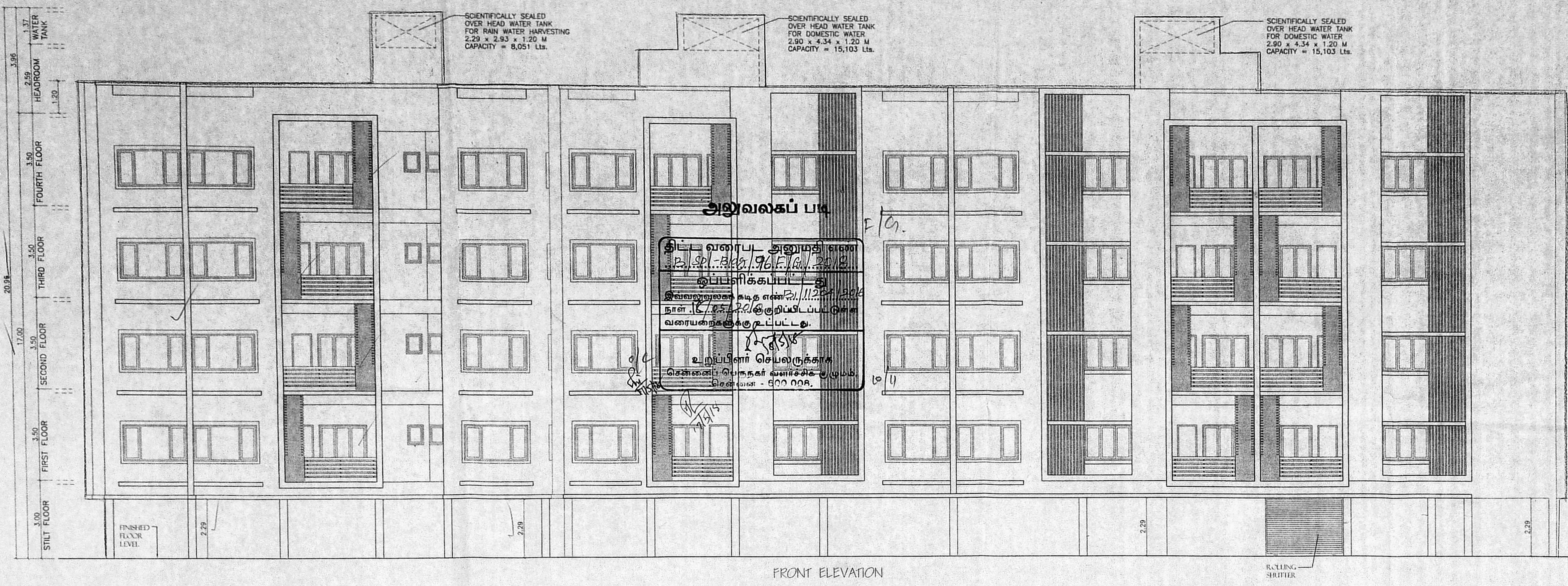
DATE

ALL DIMENSIONS ARE IN METER

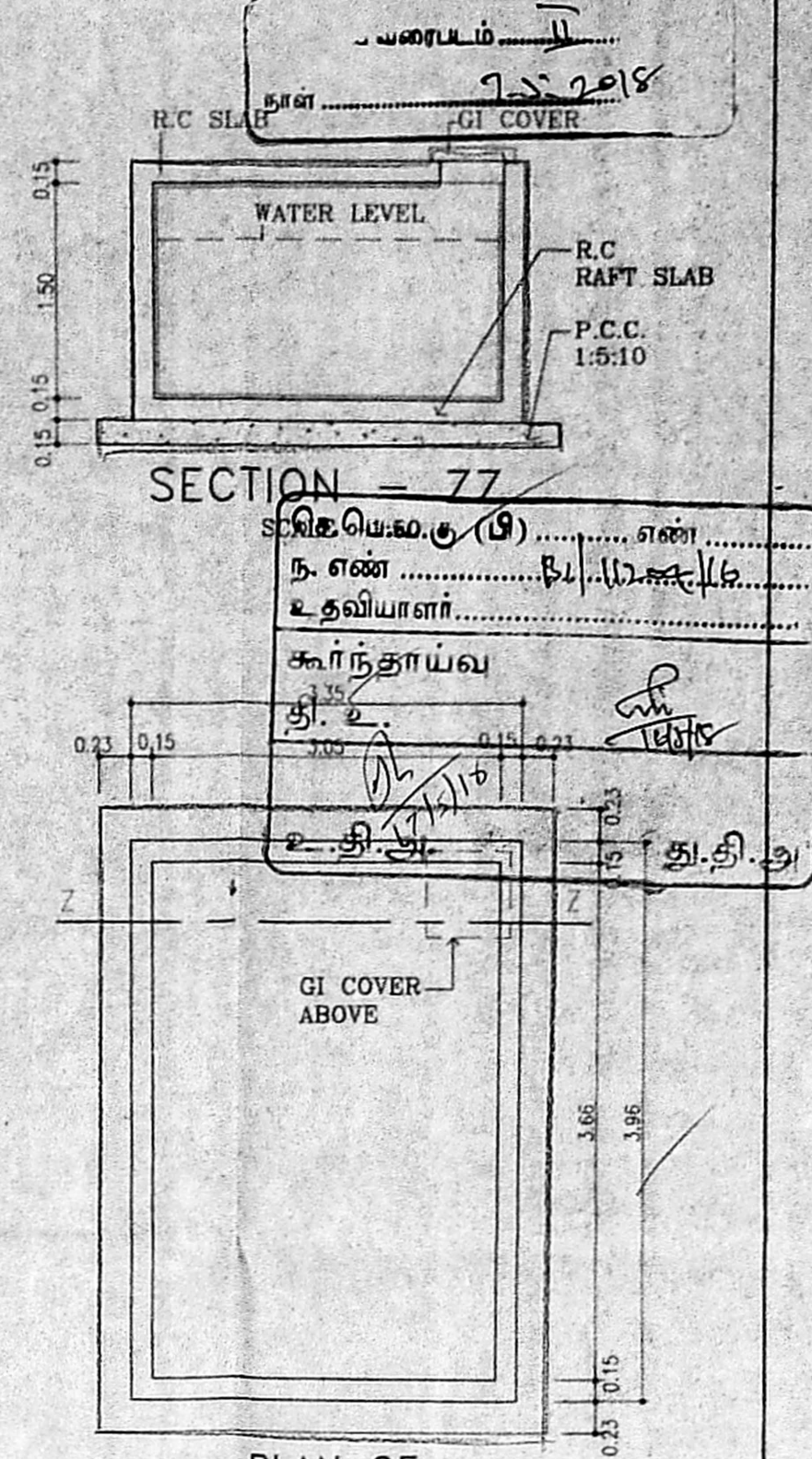
For RAMGOSRI CONSTRUCTIONS PVT. LTD.  
 Director  
 Ramarathnam  
 Sreeraja OWNER

Savita Chowdhry  
 SAVITA CHOWDHRY, B.ARCH., F.I.A.,  
 Registered Architect  
 Council of Architects No. CA/81/6445  
 Class I Licenced Surveyor No. 32  
 No. 9, State Bank Street, Chennai-600 002.

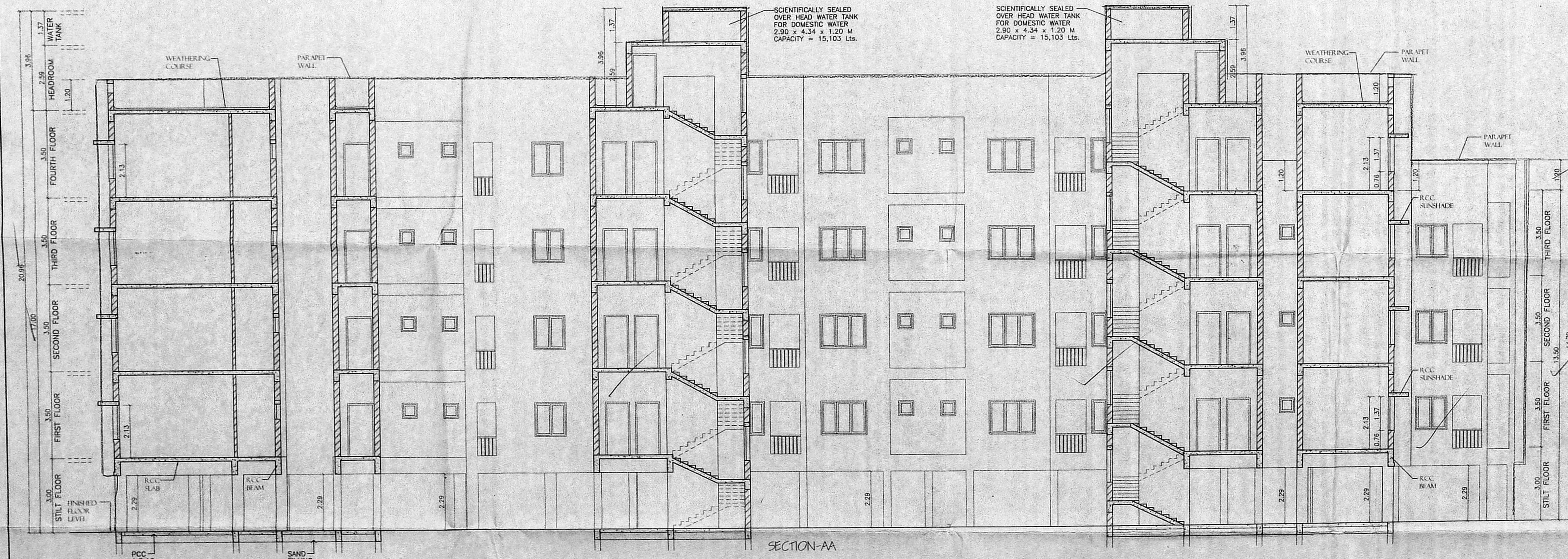
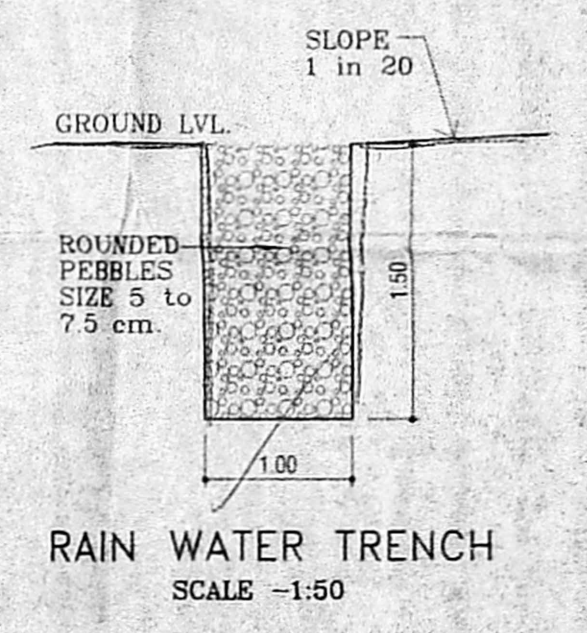
LICENSED SURVEYOR



FRONT ELEVATION



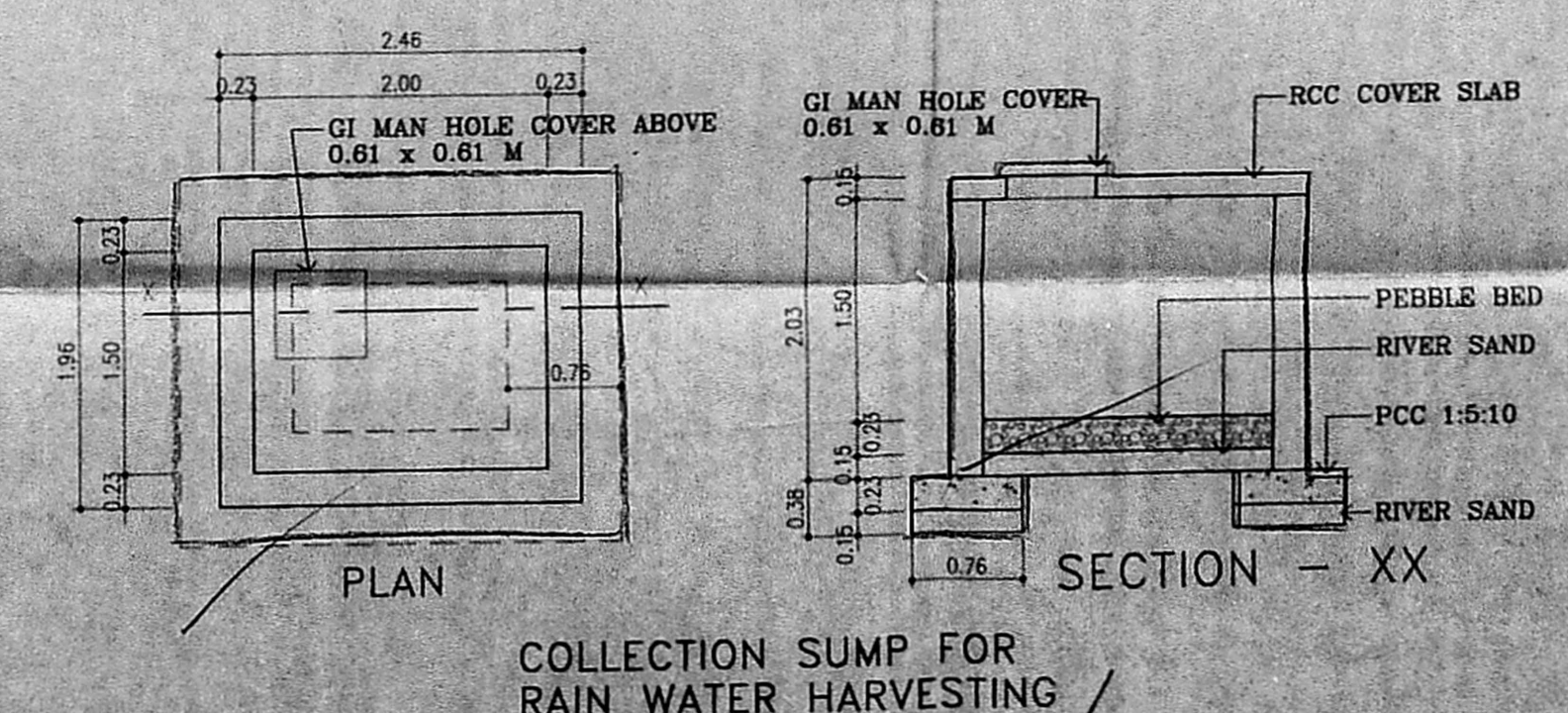
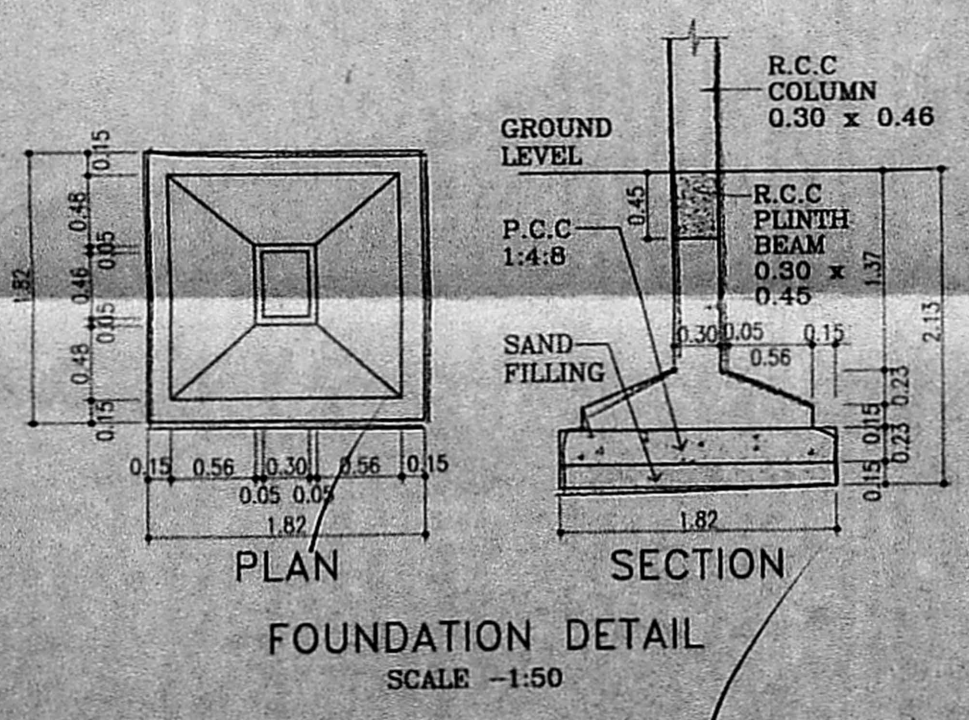
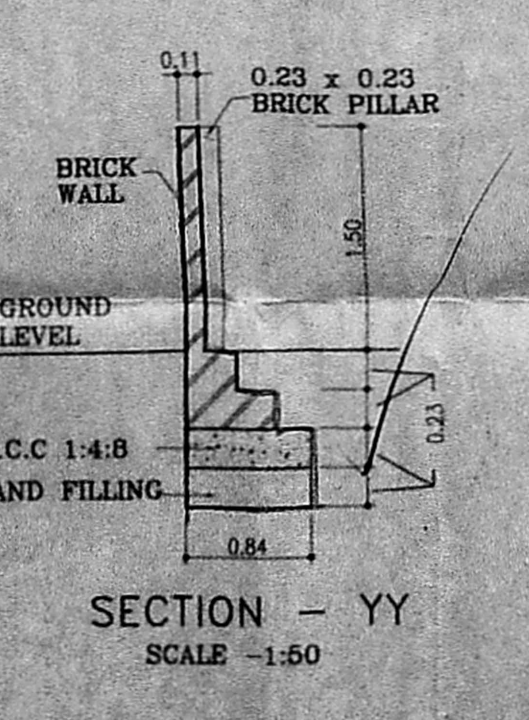
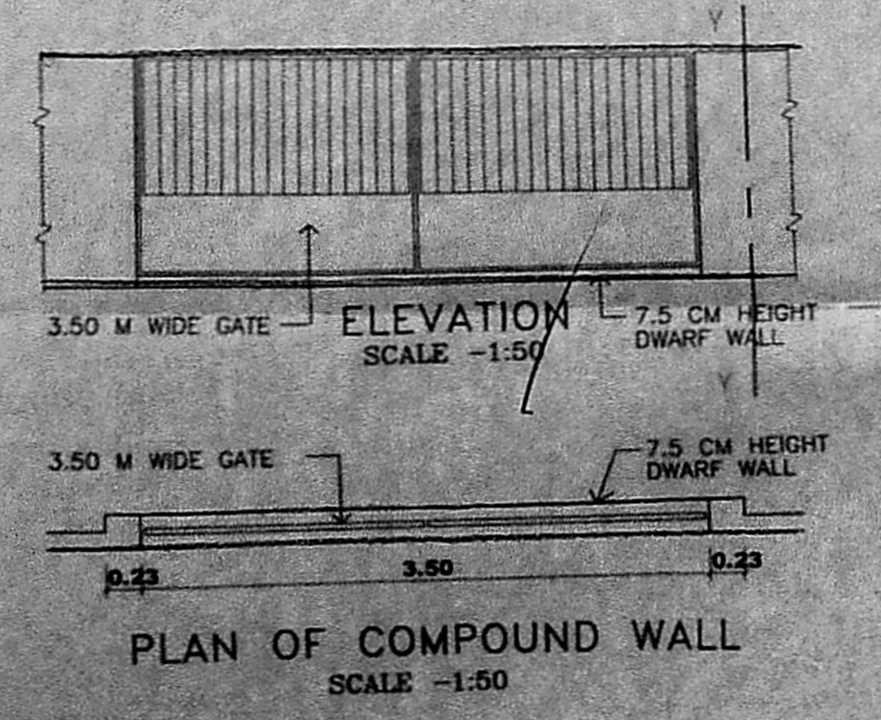
PLAN OF UNDER GROUND WATER SUMP FOR DOMESTIC WATER  
SCALE -1:50



SECTION-AA

PLAN SHOWING THE PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING AT KAMARAJ STREET, OKKIYAM THORAIPAKKAM, CHENNAI COMPRISING IN S.No.104/25B, 224/1A1A2, 1A1A3, 225/1,2,3A1, 3A2, 3B1, 3B2 (AS PER PATT) SHOLINGANALLUR TALUK, KANCHEEPURAM DISTRICT WITHIN LIMIT OF GREATER CHENNAI CORPORATION-ZONE:15, DIV.194.

COLOUR INDEX	
PROPOSED	
BOUNDARY	
ROAD	
FRONT ELEVATION & SECTION - AA	SCALE : 1:100
	DATE
ALL DIMENSIONS ARE IN METER	



COLLECTION SUMP FOR RAIN WATER HARVESTING / SULLAGE WATER  
SCALE -1:50

For RAMGOSRI CONSTRUCTIONS PVT. LTD.  
Director

Ramaraman  
Sreemya OWNER

Savita Choudhry  
Savita Chowdhry, B.Arch, F.I.A., Registered Architect  
Council of Architects-No. CA/81/6446  
Class I Licensed Surveyor No. 32  
No. 9, State Bank Street, Chennai-600 002.

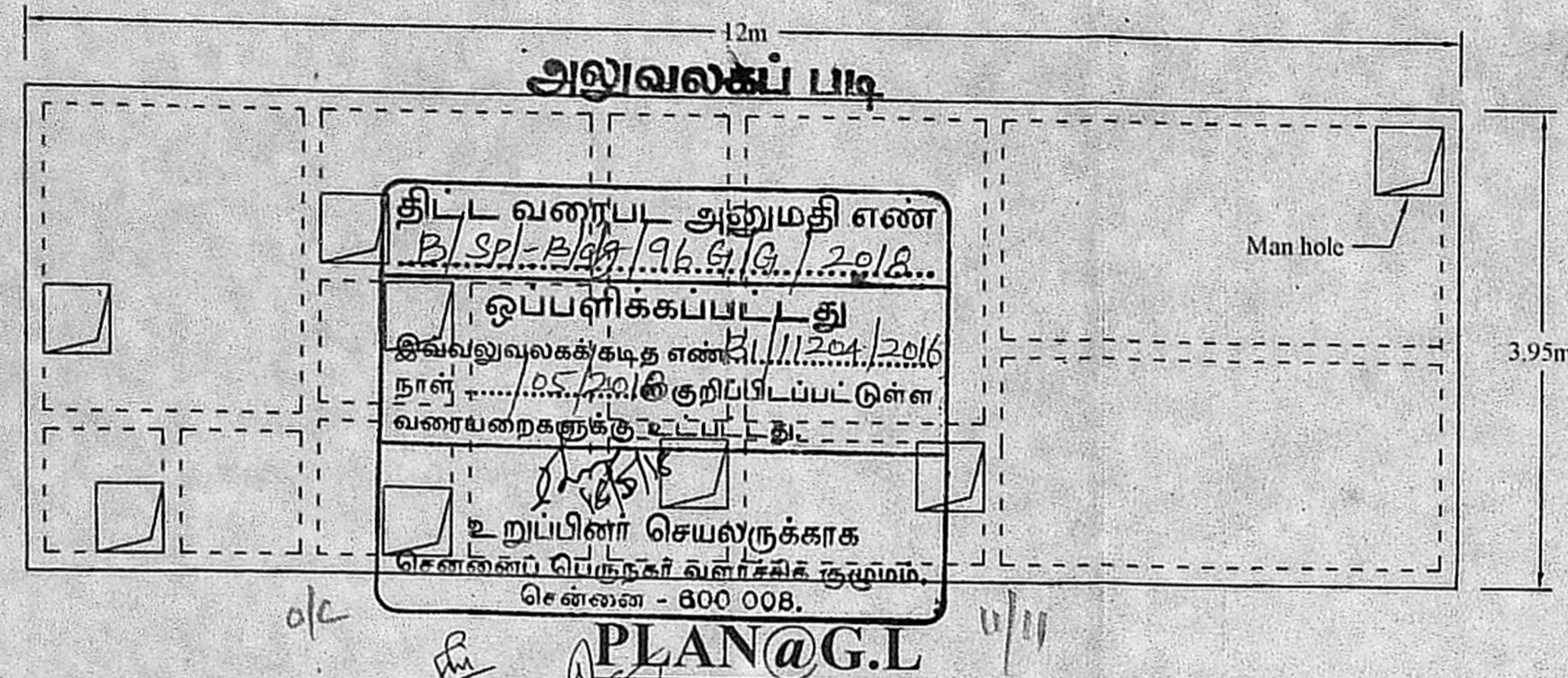
# PROPOSED SEWAGE TREATMENT PLANT OF 0.045 MLD CAPACITY

## Moving Bed bio - film reactor ( MBBR )

SHEET NO: 7/7

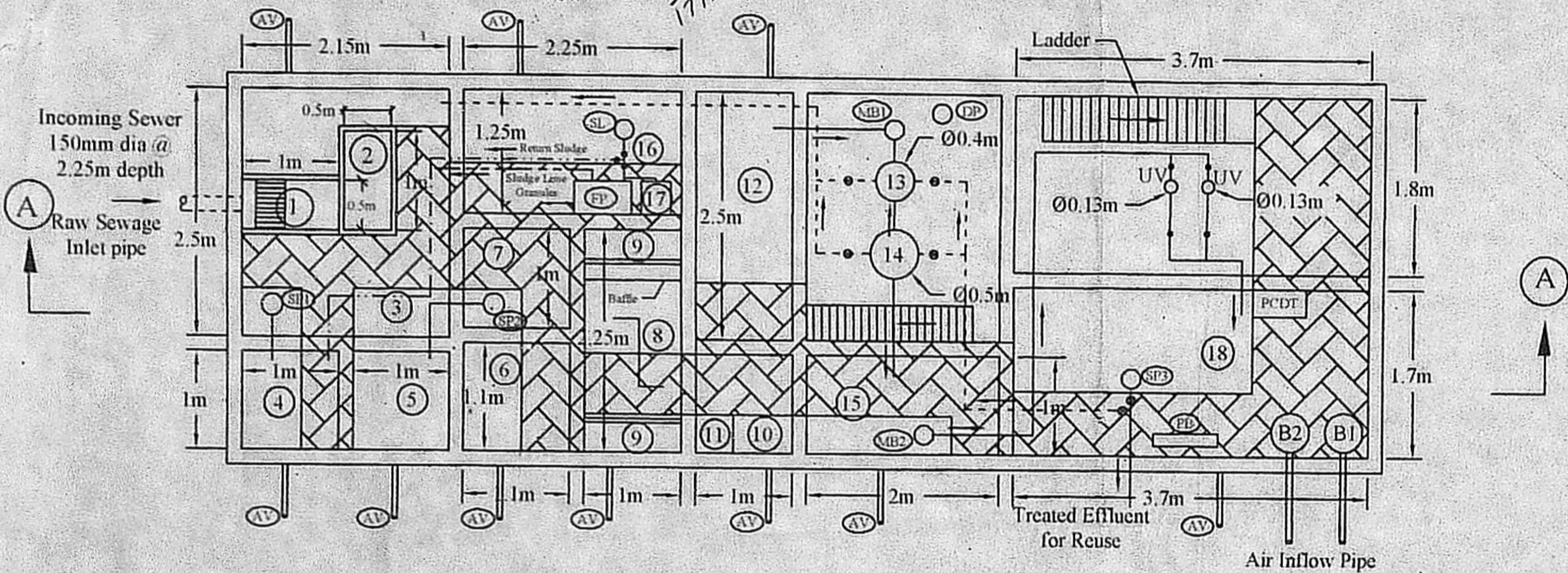
**LEGEND:**

1. SCREEN CHAMBER
2. GRIT CHAMBER
3. BALANCING TANK
4. ANAEROBIC TANK
5. ANOXIC TANK
6. AEROBIC TANK ( BOD REDUCTION )
7. AEROBIC TANK ( NITRIFICATION )
8. SEDIMENTATION TANK
9. EFFLUENT LIFTING TANK
10. DISINFECTION TANK
11. CHLORINE DOSING TANK
12. INTERMITTENT EFFLUENT STORAGE TANK
13. PRESSURE SAND FILTER
14. ACTIVATED CARBON FILTER
15. INTERMITTENT EFFLUENT STORAGE TANK - 2
16. SLUDGE COLLECTION TANK
17. POLYETHYLENE DOSING TANK
18. EFFLUENT SUMP
- UV. ULTRA VIOLET TREATMENT
- PB. PANEL BOARD
- AV AIR VENT
- FP FILTER PRESS WITH POST LIME MODULE
- PCDT POST CHLORINATION DOSING TANK
- SP1 SUBMERSIBLE PUMP- 1.90 cu.m/hr @ 12m
- SL SLUDGE PUMP - 10 cu.m/hr @ 10m
- SP2 & SP3 SUBMERSIBLE PUMP
- MB1 & MB2 MONOBLOCK PUMP - 1.90 cu.m/hr @ 12m
- DP DRAIN PUMP
- B1 AIR BLOWER FOR DIFFUSED AERATION
- B2 AIR BLOWER FOR AIR CIRCULATION SYSTEM
- G.L & H.L ARE IN METRES
- RAW SEWAGE LINE (80mm dia)
- EFFLUENT LINE (100mm dia)
- SLUDGE LINE (100mm dia)
- AIR LINE (25mm dia)
- DUCT PROVIDED FOR AIR CIRCULATION IN BASEMENT
- DIFFUSED AIR ARRANGEMENTS

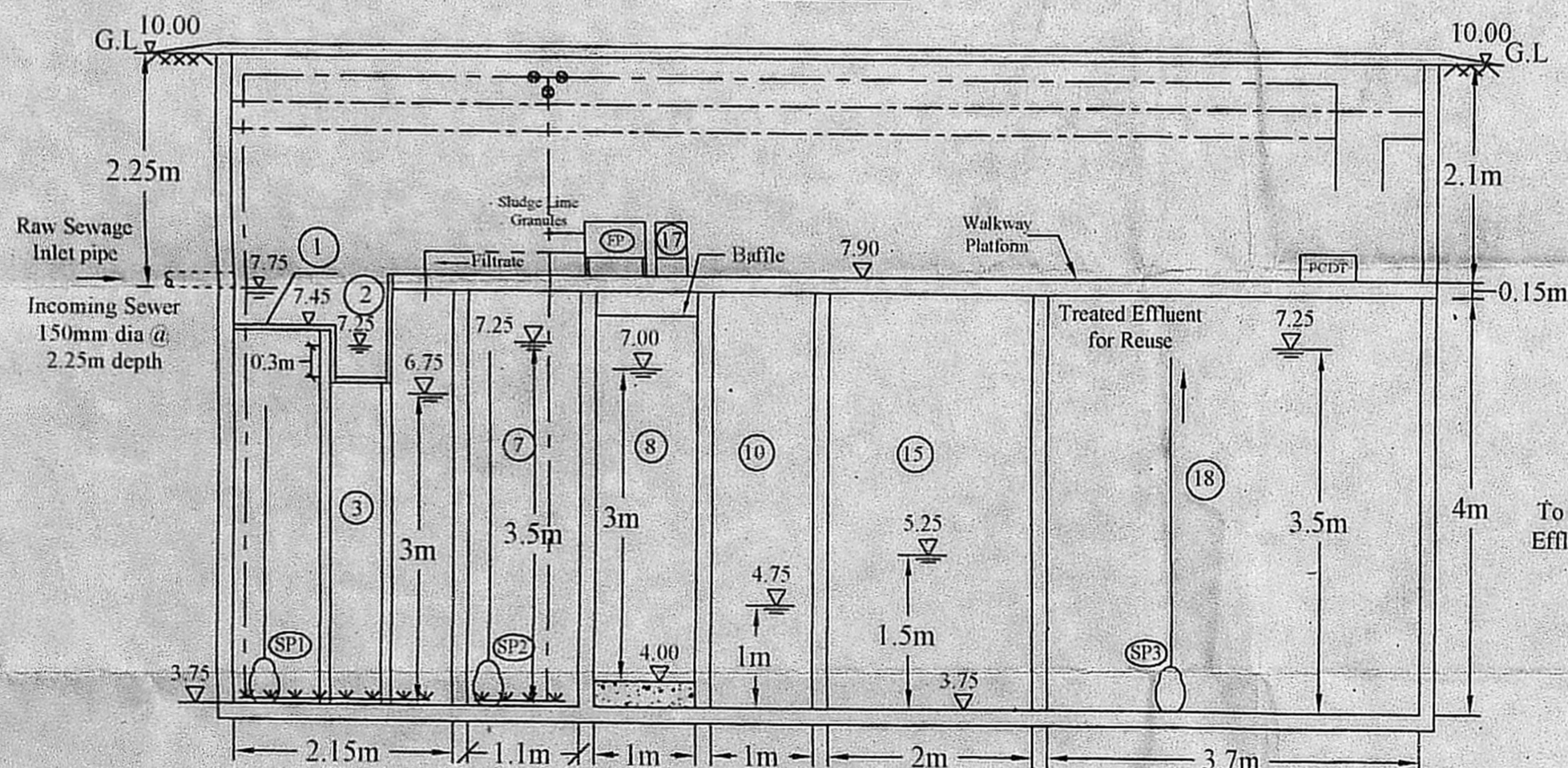


### DESIGN DATA:

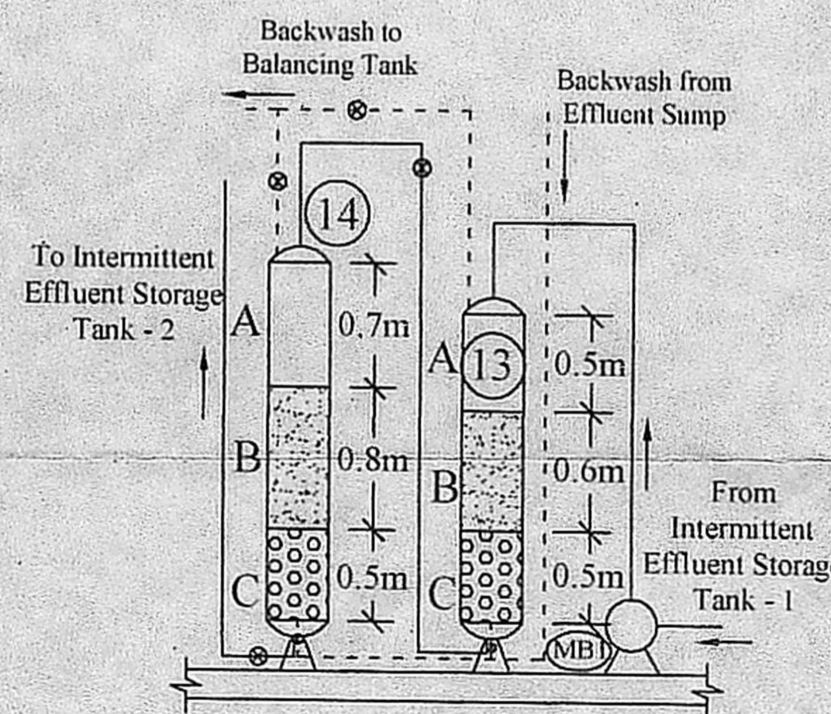
No. of Flats	-	79
Proposed Occupants	-	395 nos
Rate of water supply	-	135 lpcd
Water Consumption	-	53325 L/D
Sewage generated	-	42660 L/D
Proposed capacity of STP	-	0.045 MLD



PLAN



SECTION A-A



DETAILS OF FILTERS

### PROPOSED LOCATION AND ACCESS TO STP:

The treatment units are proposed to be constructed below GL with access from Manhole opening provided at ground level. The panel board and air blowers are to be placed on the platform of STP. The air inflow pipe to blowers and air vent pipe to be laid below drive way and fixed in the compound wall for air circulations.

*Savita Chowdhry*  
 SAVITA CHOWDHRY, B.ARCH., F.I.A.,  
 Registered Architect  
 Council of Architects-No. CA/81/6445  
 Class I Licenced Surveyor No. 32  
 No. 9, State Bank Street, Chennai-600 002.

Raw Sewage Characteristics - TABLE -1:		Characteristics of Treated effluent - TABLE -2:	
Parameters	Values	Parameters	Values
1 Biochemical Oxygen Demand	350 mg/l	1 BOD <sub>5</sub>	≤ 10 mg/l
2 Chemical Oxygen Demand	700 mg/l	2 COD	≤ 60 mg/l
3 Total Suspended Solids	450 mg/l	3 Total Suspended Solids (TSS)	Nil
4 Total Kjeldahl Nitrogen (as N)	45 mg/l	4 Total Kjeldahl Nitrogen (as N)	≤ 10 mg/l
5 Total Phosphorous	5 mg/l	5 Dissolved Phosphorous as P	≤ 1 mg/l
6 Faecal Coliform	10 <sup>6</sup> MPN/100 ml	6 Faecal Coliform in 100ml	Nil
7 pH	6.5 - 8.5	7 pH	6.5 - 8.3
		8 Minimum Residual Chlorine	2 mg/l

PROPOSED SEWAGE TREATMENT PLANT OF 0.045 MLD CAPACITY - PROPOSED RESIDENTIAL BUILDING AT SURVEY No.104/25B, 224/1A1A2, 1A1A3 225/1, 2, 3A1, 3A2, 3B IN KAMARAJ ST, OKKIYAM THORAIPAKKAM VILLAGE, SHOLLINGANALLUR TALUK, KANCHEEPURAM DISTRICT.

For RAMGOSRI CONSTRUCTIONS PVT. LTD.

*Ramaratnam Sreepriya*  
 Director  
 SIGNATURE OF APPLICANT:

*Sanjay Kumar K.*  
 SANJAY KUMAR K, BE, ME.,  
 ENVIRONMENTAL ENGINEER  
 TERRA GREEN SOLUTIONS  
 WEST K.K. NAGAR,  
 CHENNAI - 600 076.

SIGNATURE OF APPROVED ENVIRONMENTAL CONSULTANT: