

செ. பெ. வ. கு. (பி) எண்.....
 ப. எண்... 2574/2018
 2019
 சூர்ந்தாய்வு, 18/2/2019
 2-தி.அ. 2/2/19

சுருத்திய வரைபடம்: I
 13/2/19
 2019
 அலுவலகப் படி

SHEET 2/4

PLAN SHOWING THE PROPOSED
 ADDITIONAL CONSTRUCTION OF
 STILT + 4 FLOORS
 RESIDENTIAL BUILDING WITH ONE
 BLOCK CONSISTS OF
 48 DWELLING UNITS
 AT S.NOS. 40/145A, OF VENGAIVASAL
 VILLAGE, ST. THOMAS MOUNT
 PANCHAYAT UNION, VIGNARAJ PURAM
 EXTENSION, SHOLLINGANALLUR
 TALUK, KANCHEEPURAM DISTRICT,

EXISTING CMDA APPROVED
 FILE NO. B1/14445/2017
 DATED : 05/10/2017
 CMDA PLANNING PERMIT NO:
 B/SP.LBDG/1144toD/2018
 DATED: 01/06/2018

- SPECIFICATIONS**
- R.C.C COLUMN FOOTING (OR) PILES IN FOUNDATION.
 - COLUMNS AND PILES ARE CONNECTED BY PLINTH BEAMS.
 - MARBLE FLOORING (OR) TILES.
 - BRECK WORK IN BASEMENT AND SUPER STRUCTURE IN G.M.S.
 - WALLS ARE PLASTERED BY CEMENT PLASTER.
 - WORKERS IN TRAK AND COUNTRY WOOD.
 - LINTEL OVER OPENING.
 - ROOF COVERED BY R.C.C. SLAB.
 - ALL R.C.C. WORK IN CEMENT CONCRETE GRADE M-25
 - WEATHERING COURSE LAID WITH PROPER SLOPE OVER R.C. SLAB.

JOINERY DETAIL

RS	ROLLING SHUTTER	2.44 x 2.13
GD	GRILL DOOR	1.07 x 2.13
MD	MAIN DOOR	1.07 x 2.13
D1	DOOR	0.91 x 2.13
D2	DOOR	0.76 x 2.13
DW	DOOR / WINDOW	1.27 x 2.13
SD	SLIDING DOOR	2.44 x 2.13
SD1	SLIDING DOOR	1.83 x 2.13
SD2	SLIDING DOOR	1.52 x 2.13
SD3	SLIDING DOOR	1.22 x 2.13
FD	FRENCH DOOR	2.44 x 2.13
W1	WINDOW	1.83 x 1.83
W2	WINDOW	1.22 x 1.37
W2A	WINDOW	0.99 x 1.37
W3	WINDOW	0.61 x 1.37
FW	FRENCH WINDOW	2.44 x 1.98
FW1	FRENCH WINDOW	1.22 x 1.98
KW	KITCHEN WINDOW	1.22 x 0.91
V	VENTILATOR	0.91 x 0.61
V1	VENTILATOR	0.61 x 0.91
V2	VENTILATOR	0.61 x 0.61
EX	EXHAUST FAN	0.91 x 0.61

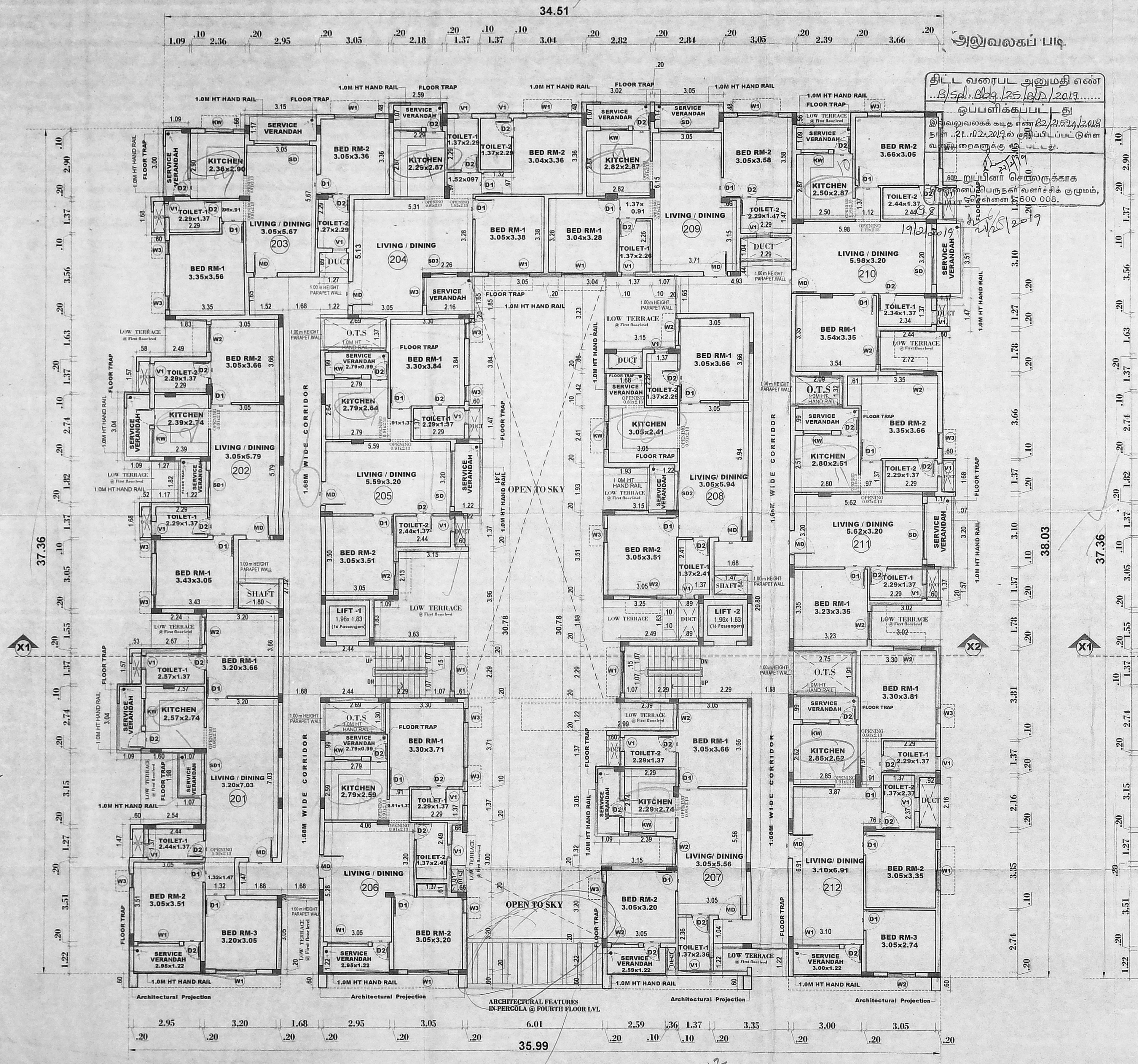
SCALE - 1 : 100
 ALL DIMENSION ARE IN METRE
 COLOUR INDEX :-
 PROPOSED
 BOUNDARY
 ROAD

For KALPATARU CONSTRUCTIONS
 Partner's

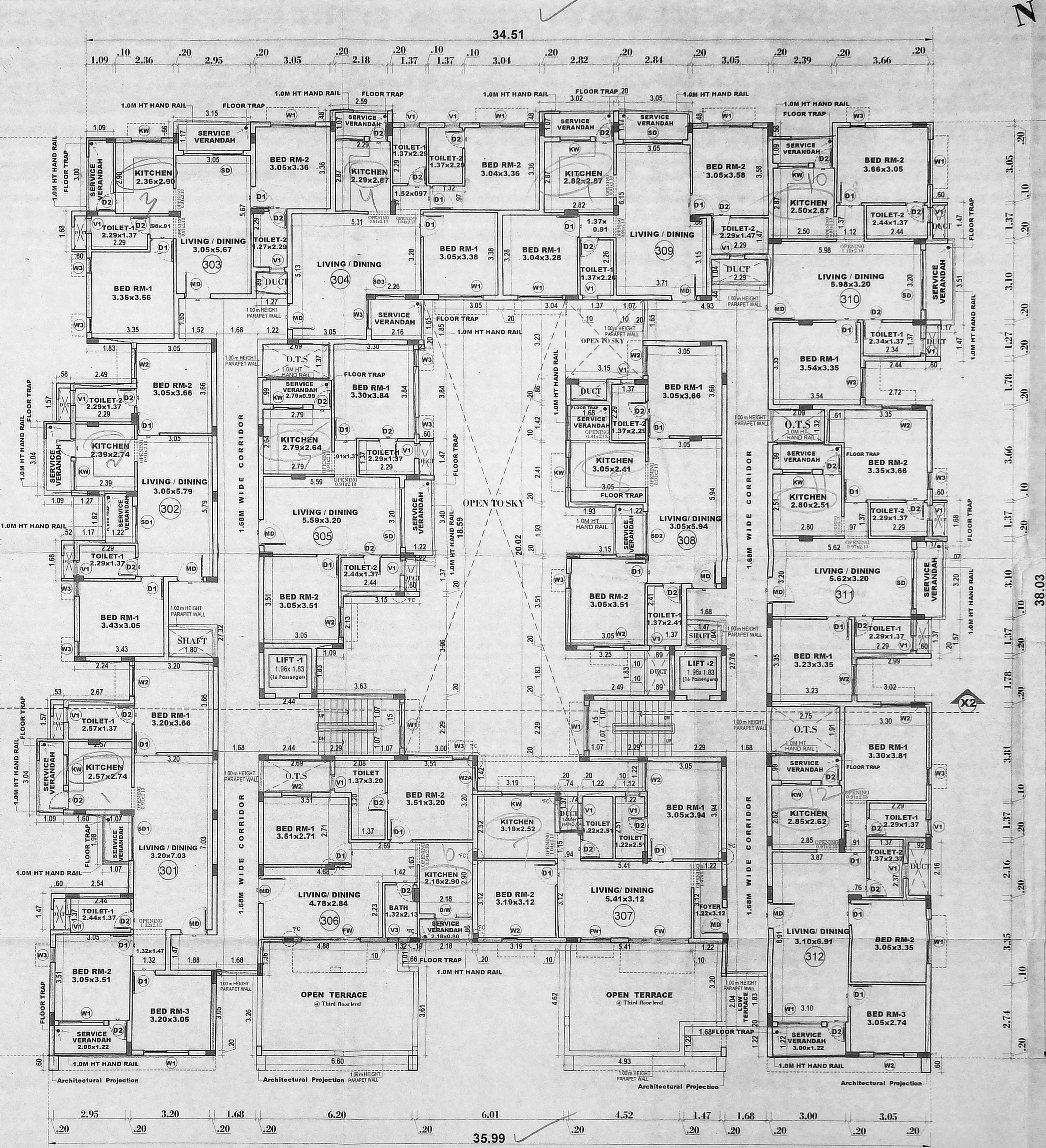
OWNER / POWER HOLDER

SF-12
 TF-12
 Arch. Projection Warden

K. RAJA, B.E.
 LICENSED SURVEYOR No. 1546 - class I
 CORPORATION OF CHENNAI
 Door No. 31/14 II Floor Cenlath Road I Street
 Alwarpet Chennai - 600 018.
 LICENSED SURVEYOR



SECOND FLOOR PLAN



THIRD FLOOR PLAN

SHEET 3/4

PLAN SHOWING THE PROPOSED
 ADDITIONAL CONSTRUCTION OF
 STILT + 4 FLOORS
 RESIDENTIAL BUILDING WITH ONE
 BLOCK CONSISTS OF
 48 DWELLING UNITS
 AT S.NOS. 40/145A, OF VENGAIVAL
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 PANCHAYAT UNION, VIGNARAJ PURAM
 EXTENSION, SHOLLINGANALLUR
 TALUK, KANCHEEPURAM DISTRICT,

EXISTING CMDA APPROVED
 FILE NO.B/14445/2017
 DATED : 05/10/2017
 CMDA PLANNING PERMIT NO:
 B/SPL.BLDG/114AtoD/2018
 DATED:01/06/2018

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 2. COLUMNS AND PILES ARE CONNECTED BY PLINTH BEAMS.
 3. MARBLE FLOORING (OR) TILES.
 4. BRICK WORK IN BASEMENT AND SUPER STRUCTURE IN C.M.S.S.
 5. WALLS ARE PLASTERED BY CEMENT PLASTER.
 6. JOINERY WORK IN TEAK AND COUNTRY WOOD.
 7. LINTEL OVER OPENING.
 8. ROOF COVERED BY R.C.C SLAB.
 9. ALL R.C.C WORK IN CEMENT CONCRETE GRADE M25.
 10. WEATHERING COURSE LAID WITH PROPER SLOPE OVER R.C. SLAB.

JOINERY DETAIL

R5	ROLLING SHUTTER	2.44 x 2.13
GD	GRILL DOOR	1.07 x 2.13
MD	MAIN DOOR	1.07 x 2.13
D1	DOOR	0.91 x 2.13
D2	DOOR	0.76 x 2.13
D/W	DOOR / WINDOW	1.57 x 2.13
SD	SLIDING DOOR	2.44 x 2.13
SD1	SLIDING DOOR	1.83 x 2.13
SD2	SLIDING DOOR	1.52 x 2.13
SD3	SLIDING DOOR	1.22 x 2.13
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KW	KITCHEN WINDOW	1.22 x 0.91
V	VENTILATOR	0.91 x 0.61
V1	VENTILATOR	0.61 x 0.91
V2	VENTILATOR	0.61 x 0.61
EX	EXHAUST FAN	0.91 x 0.61

SCALE - 1 : 100

ALL DIMENSION ARE IN METRE

COLOUR INDEX :-
 PROPOSED
 BOUNDARY
 ROAD

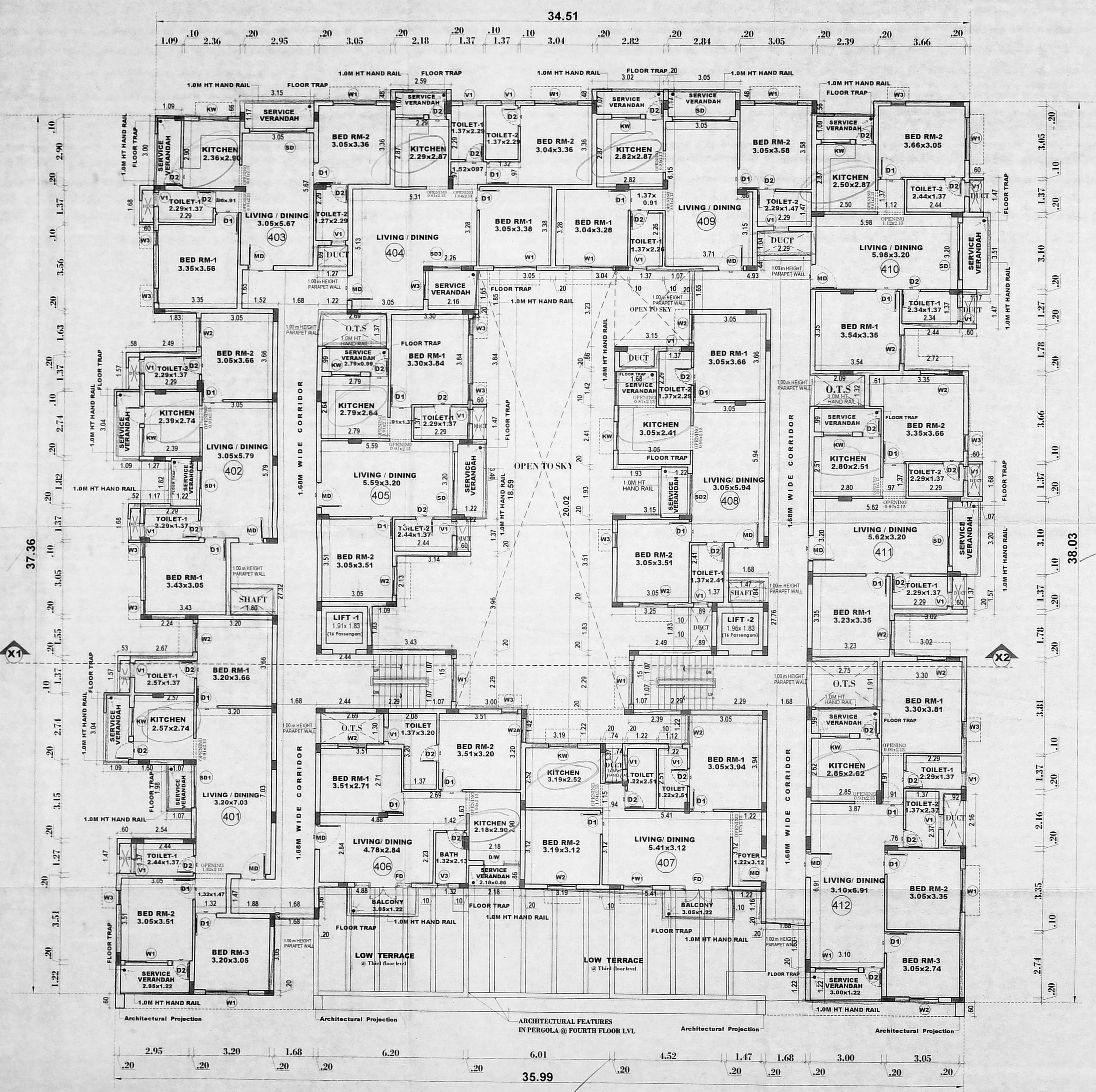
For KALPATARU CONSTRUCTIONS

Partner's

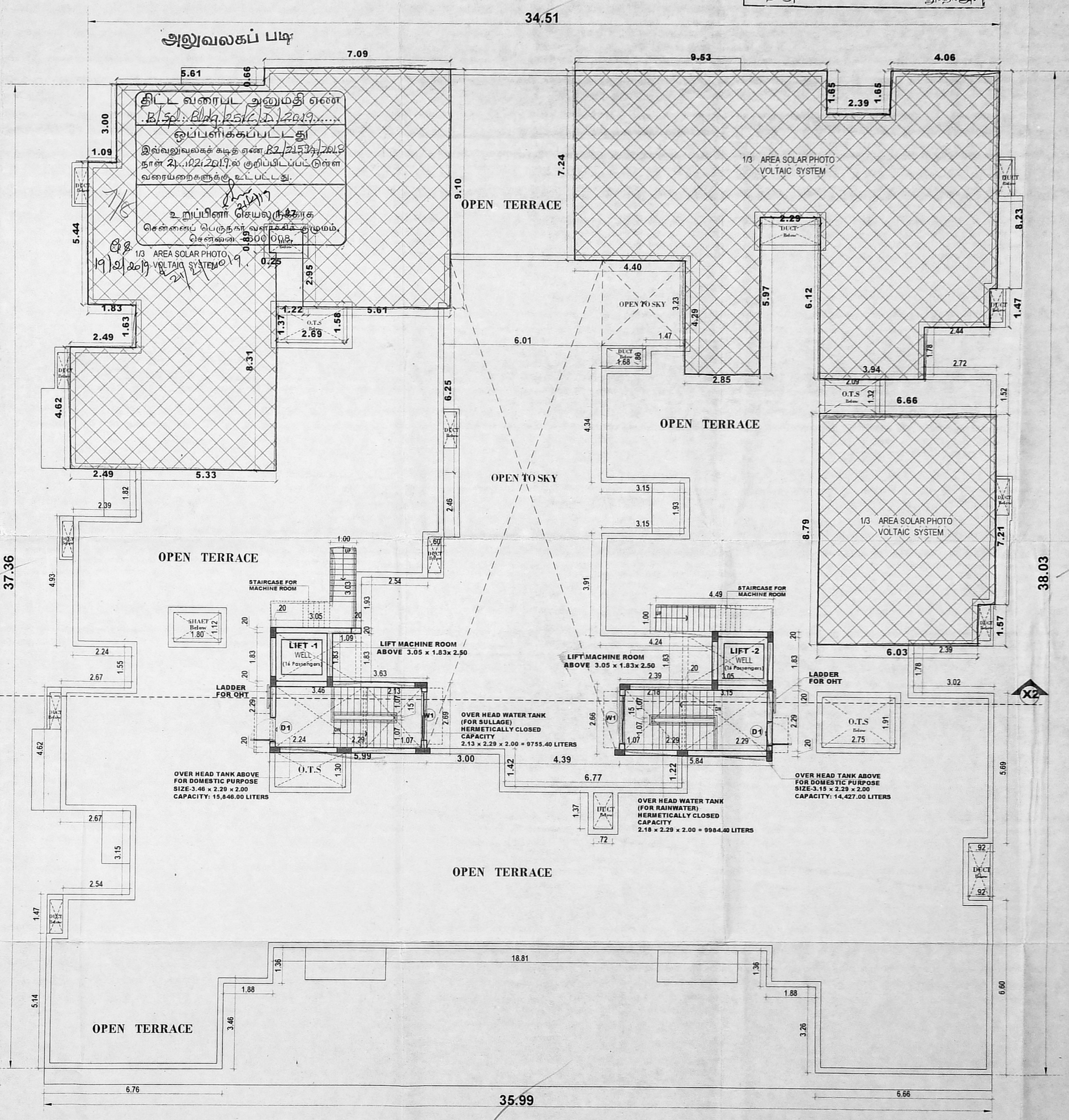
OWNER / POWER HOLDER

FF-12DU
 K. RAJA, B.E.
 LICENSED SURVEYOR No. 1546 - class I
 CORPORATION OF CHENNAI
 Door No. 31/14 II Floor Cenotaph Road J Street
 Alwarpet Chennai - 600 018.

LICENSED SURVEYOR



FOURTH FLOOR PLAN



TERRACE FLOOR PLAN

SHEET 4/4

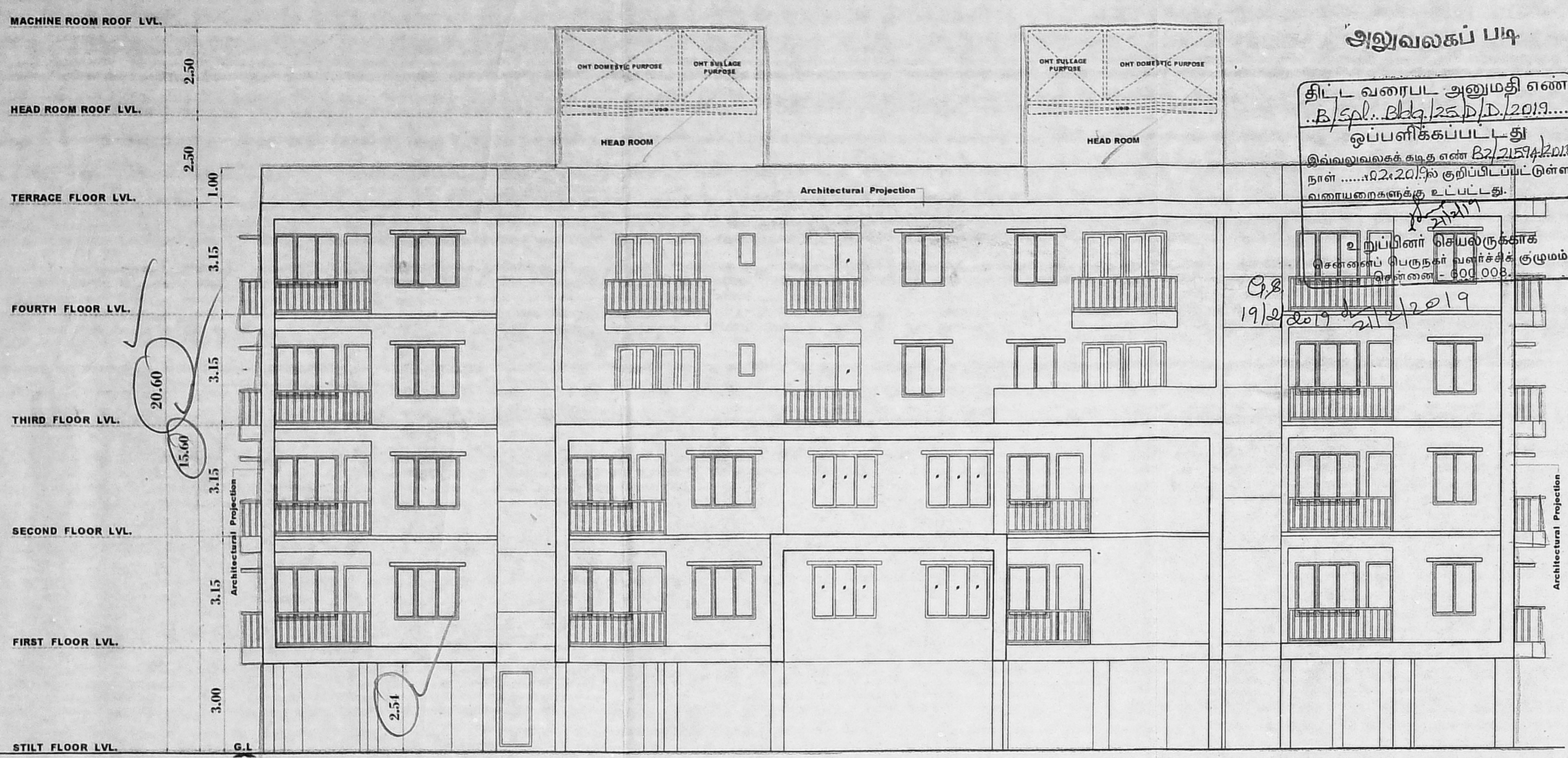
PLAN SHOWING THE PROPOSED ADDITIONAL CONSTRUCTION OF STILT + 4 FLOORS RESIDENTIAL BUILDING WITH ONE BLOCK CONSISTS OF 48 DWELLING UNITS AT S.NOS. 40/1A5A, OF VENGAIASAL VILLAGE, ST. THOMAS MOUNT PANCHAYAT, VIGNARAJ PURAM EXTENSION, SHOLLINGANALLUR TALUK, KANCHEEPURAM DISTRICT,

EXISTING CMDA APPROVED FILE NO.B1/14445/2017 DATED : 05/10/2017
 CMDA PLANNING PERMIT NO: B/SPL.BLDG/114AtD/2018 DATED:01/06/2018

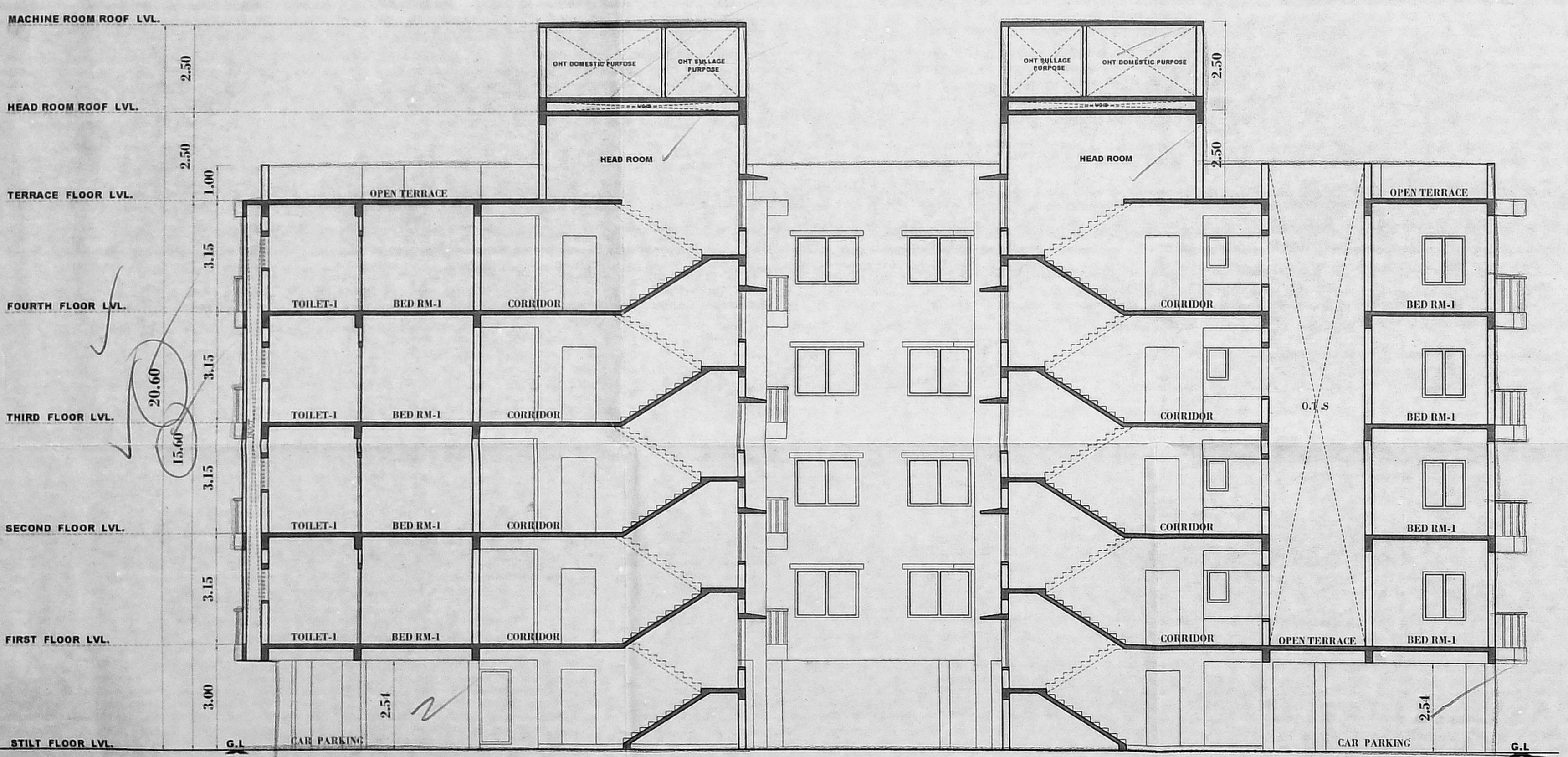
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 - BRICK WORK IN BASEMENT AND SUPER STRUCTURE IN C.M.S.A.
 - WALLS ARE PLASTERED BY CEMENT PLASTER.
 - JOINTS WORK IN TRUSS AND COUNTRY WOOD.
 - LINTEL OVER OPENING.
 - ROOF COVERED BY R.C.C SLAB.
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 - WEATHERING COURSE LAID WITH PROPER SLOPE OVER R.C. SLAB.

JOINERY DETAIL

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FW1	FRENCH WINDOW	1.22 x 1.98
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V	VENTILATOR	0.91 x 0.61
V1	VENTILATOR	0.61 x 0.91
V2	VENTILATOR	0.61 x 0.61
EX	EXHAUST FAN	0.91 x 0.61

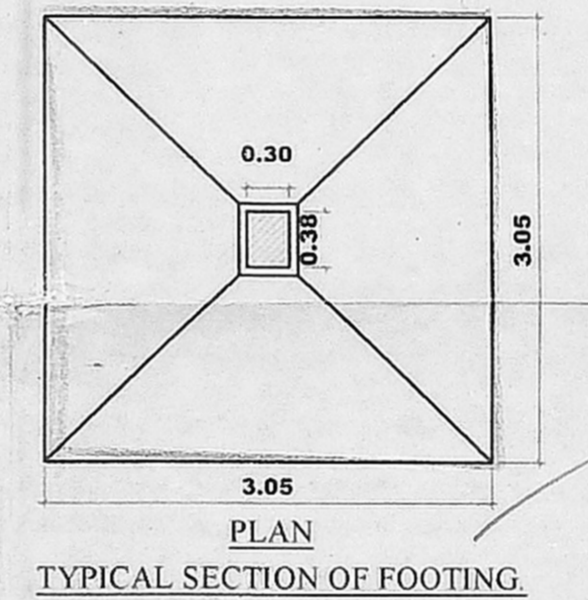
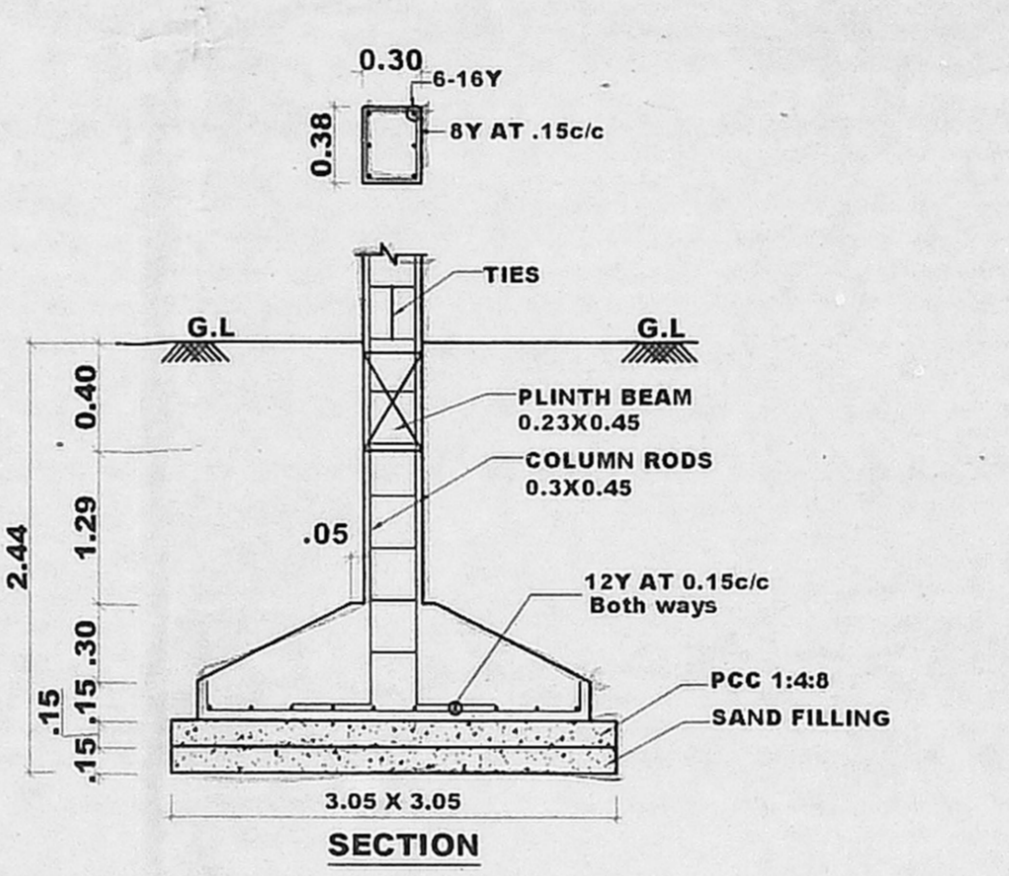
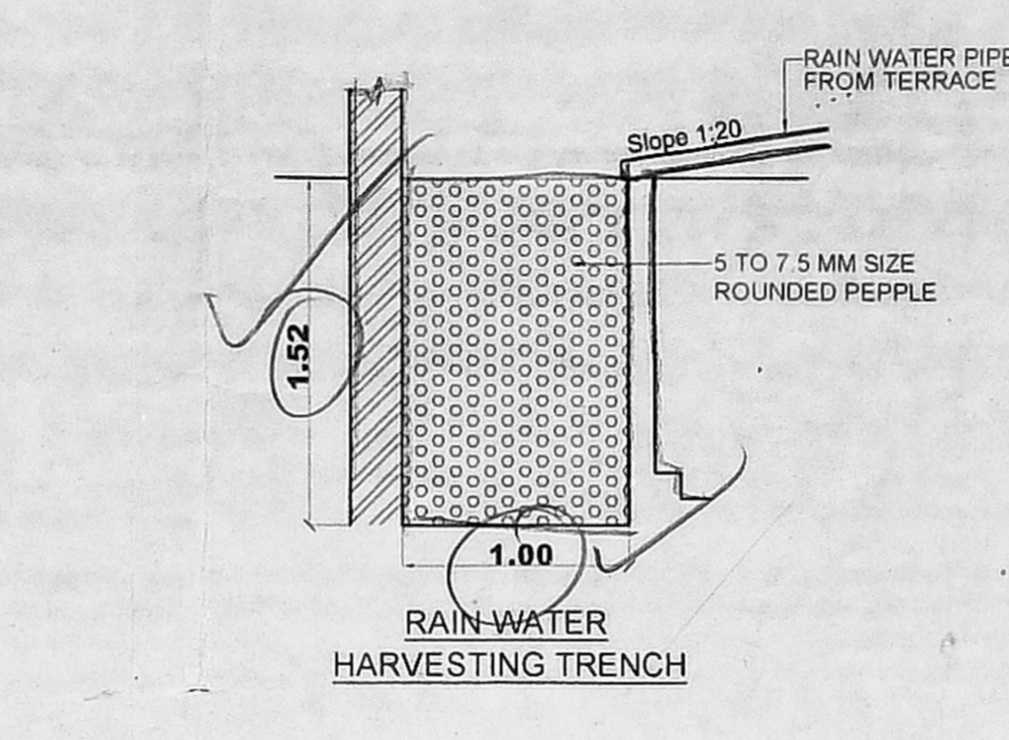


FRONT SIDE ELEVATION



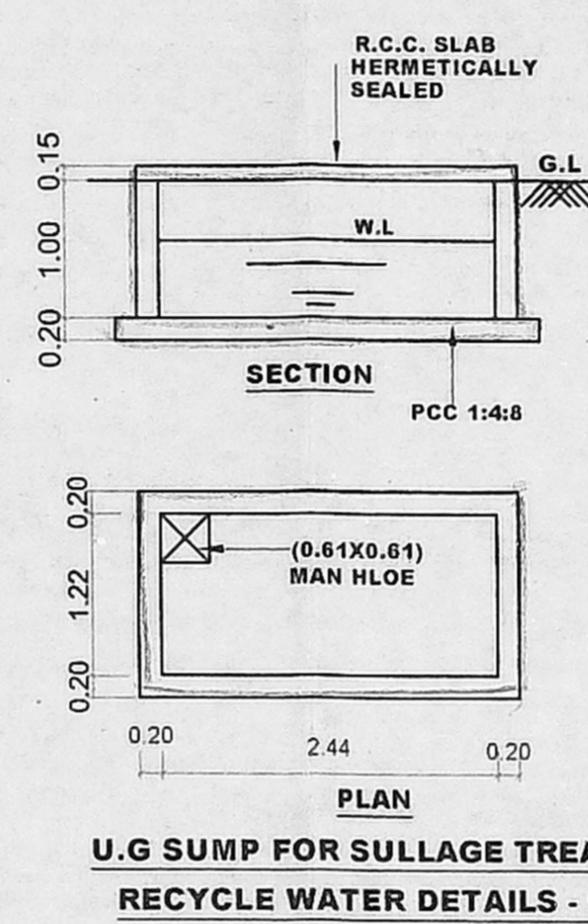
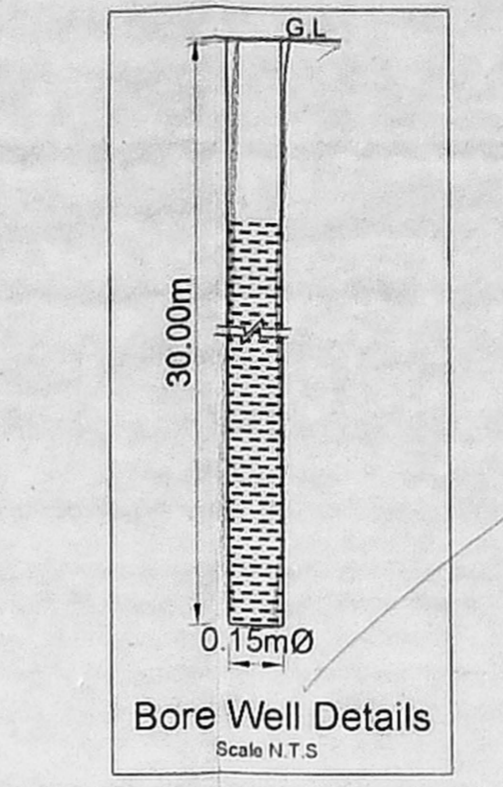
SECTION ON X1- X2

அலுவலகப் படி
 திட்ட வரைபட அனுமதி எண்
 B/SPL.BLDG/114AtD/2018
 இவ்வலுவலகத்தின் கீழ்
 நாள: 19/2/2019
 உறுப்பினர்: சி.எஸ்.சி. குமார்
 8/8

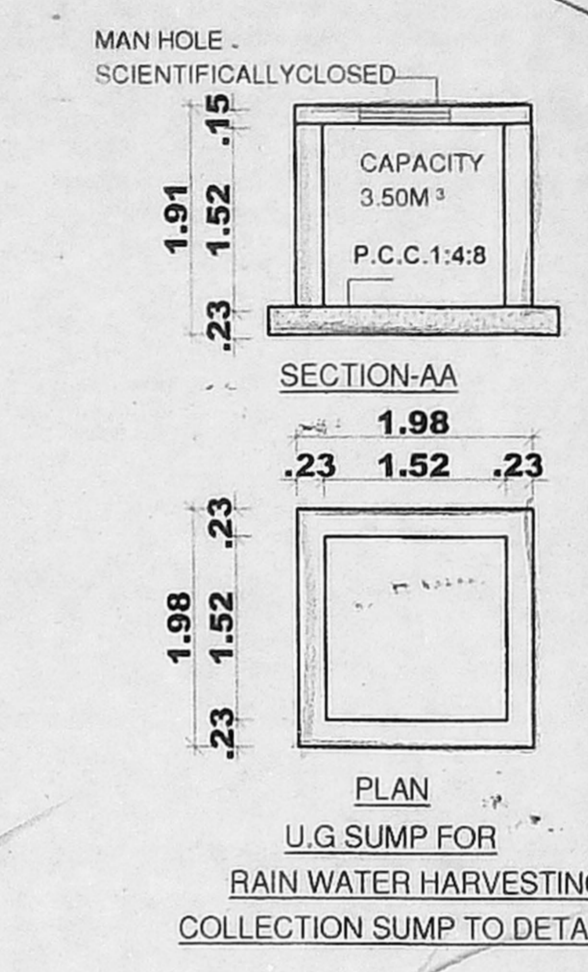


DESIGN CALCULATION FOR SEPTIC TANK WITH UP FLOW FILTER

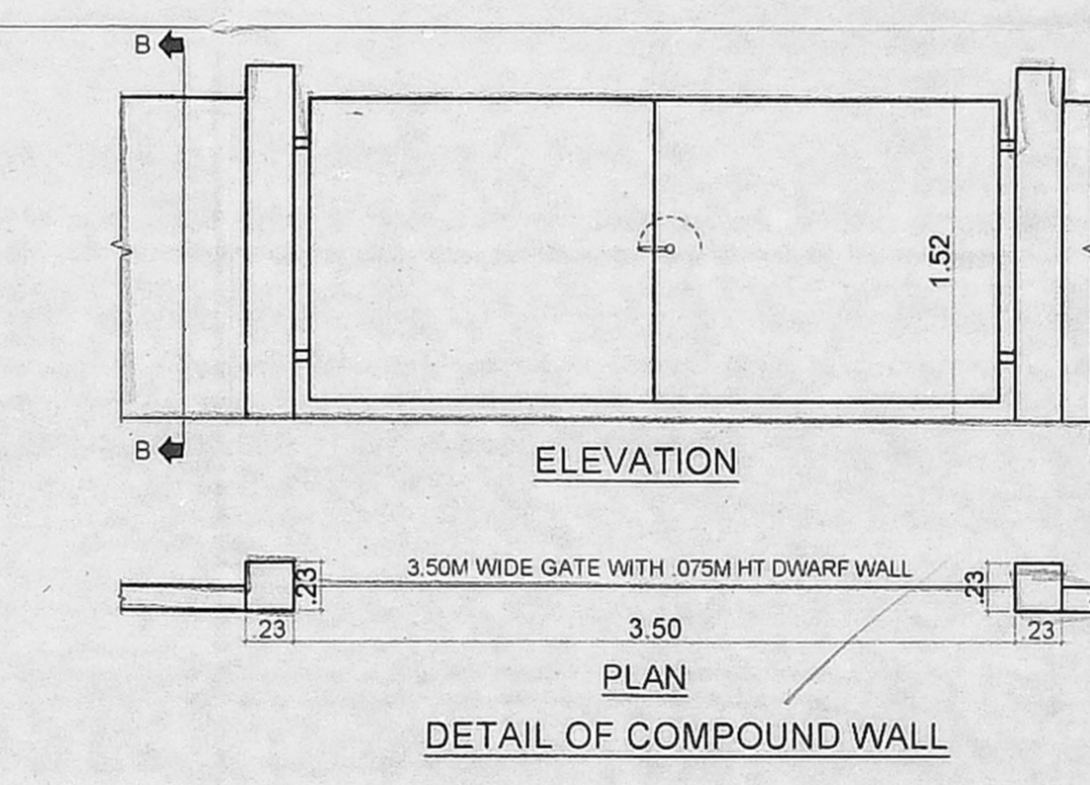
No Of Dwellings	=	48 Dwellings
No Of Uses	=	48 x 5 = 240 Nos
Total Number of Fixtures	=	96 Units
Assume a Peaking Factor 6 Litres per Fixture unit 96 x 6	=	576 Litres Per Minute
SEPTIC TANK		
Surface Area Required for Septic Tank	=	$\frac{576 \times 0.92}{10} = 52.99 \text{ M}^2$
Volume of Free Board	=	$52.99 \times 0.30 = 15.89 \text{ M}^3$
Volume of Digestion	=	$235 \times 0.032 = 7.52 \text{ M}^3$
Volume of Sludge	=	$576 \times 365 \times 0.0002 = 42.04 \text{ M}^3$
Volume of Sedimentation	=	$52.99 \times 0.30 = 15.89 \text{ M}^3$
TOTAL VOLUME	=	134.33 M³
Depth of Septic Tank	=	$\frac{134.33}{52.99} = 2.53 \text{ M}$
Required Depth	=	Snv 2.53 M
Provided Depth	=	2.50 M
Ratio of Length and Breadth	=	2 : 1
Size of Septic Tank Required	=	3.00M x 1.75M x 1.75M
L x B x H	=	
UPFLOW FILTER		
Up Flow Capacity Required	=	$576 \times 0.04 = 23.04 \text{ M}^3$
Depth Assumed	=	2.00 M
Hence Area of Final Effluent Surface Required	=	$\frac{23.04}{2.00} = 11.52 \text{ M}^2$
Therefore Area of Final Effluent Surface Provided	=	4.00 M
Size of Final Effluent Collection Sump Required	=	$2.00\text{M} \times 3.00\text{M} \times 2.00\text{M} = 12.00\text{M}^3$
Therefore Size of Final Effluent Collection Sump Provided	=	$2.00\text{M} \times 3.00\text{M} \times 2.00\text{M} = 12.00\text{M}^3$
Size of Upflow Filter I Provided	=	1.00M x 3.00M x 1.00M
Size of Upflow Filter II Provided	=	1.00M x 3.00M x 1.00M
Provided Length of Septic Tank	=	7.62 M
Provided Breadth of Septic Tank	=	3.00 M
Provided Depth of Septic Tank	=	2.50 M



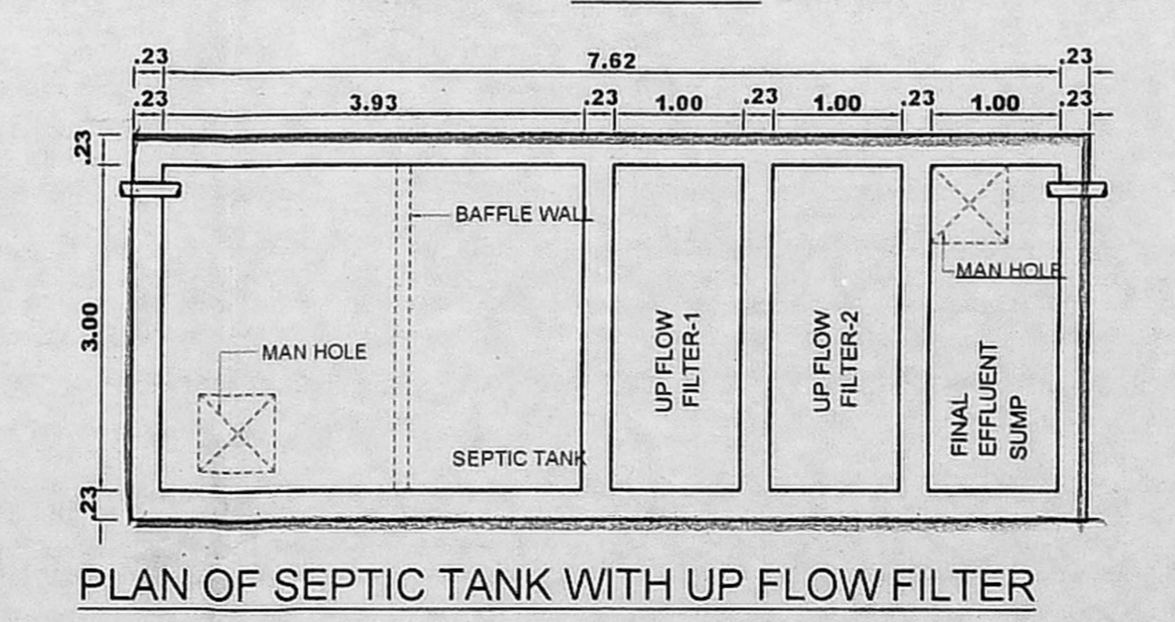
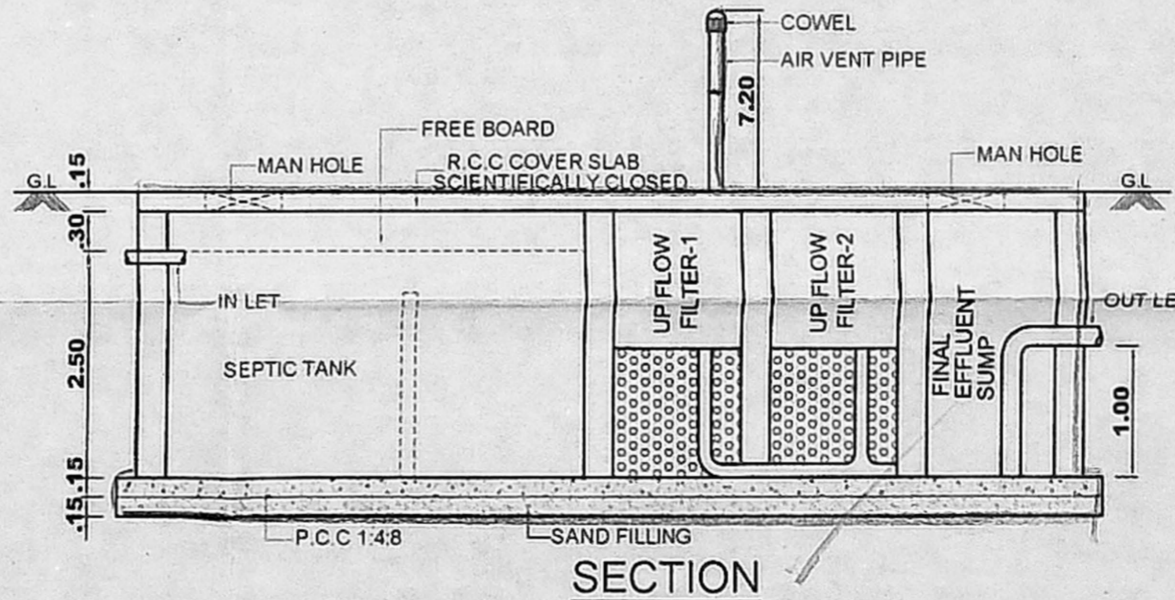
U.G SUMP FOR SULLAGE TREATED RECYCLE WATER DETAILS - 1 No.



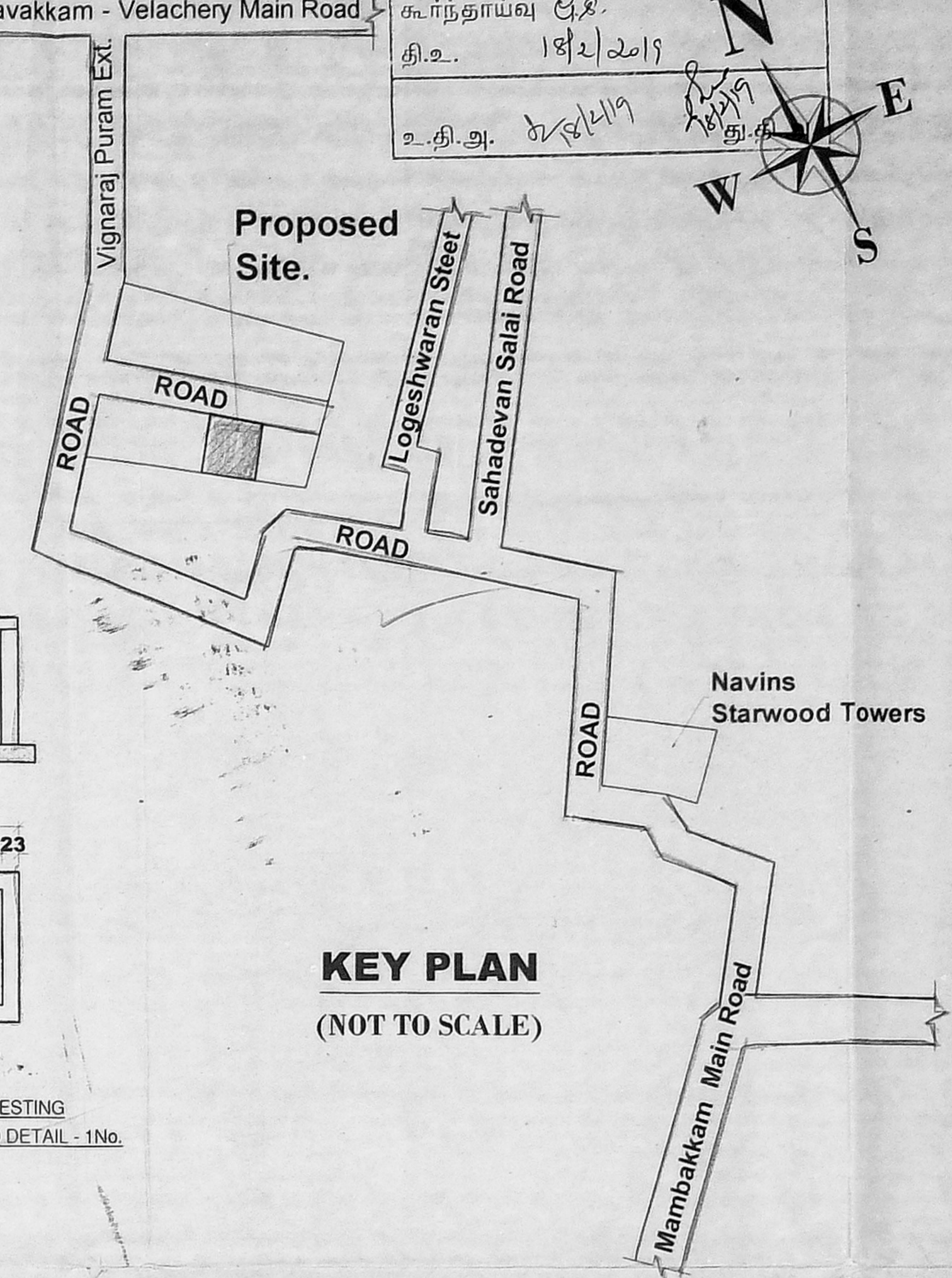
U.G SUMP FOR RAIN WATER HARVESTING COLLECTION SUMP TO DETAIL - 1 No.



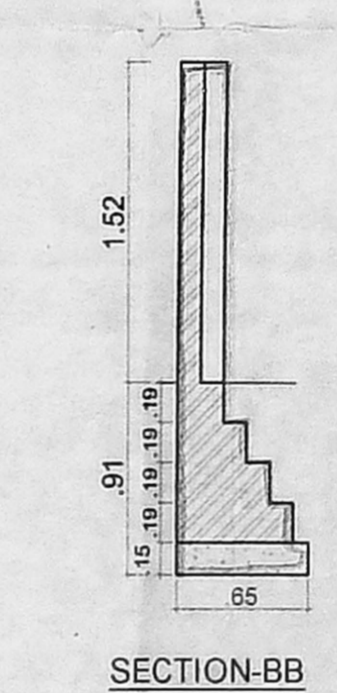
DETAIL OF COMPOUND WALL



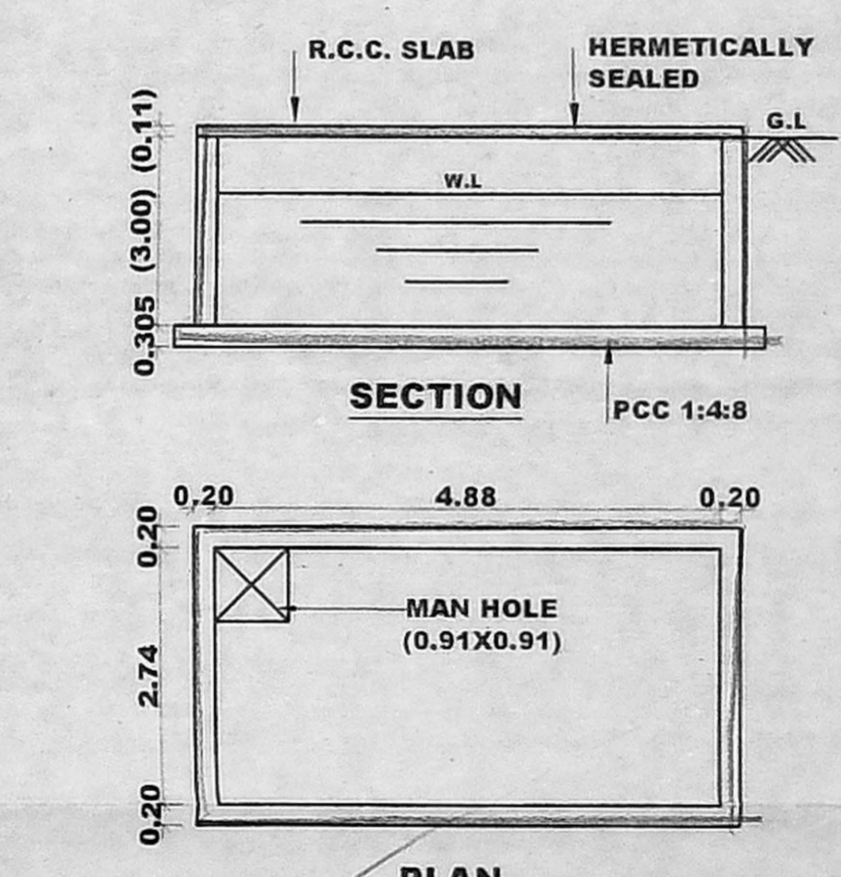
PLAN OF SEPTIC TANK WITH UP FLOW FILTER



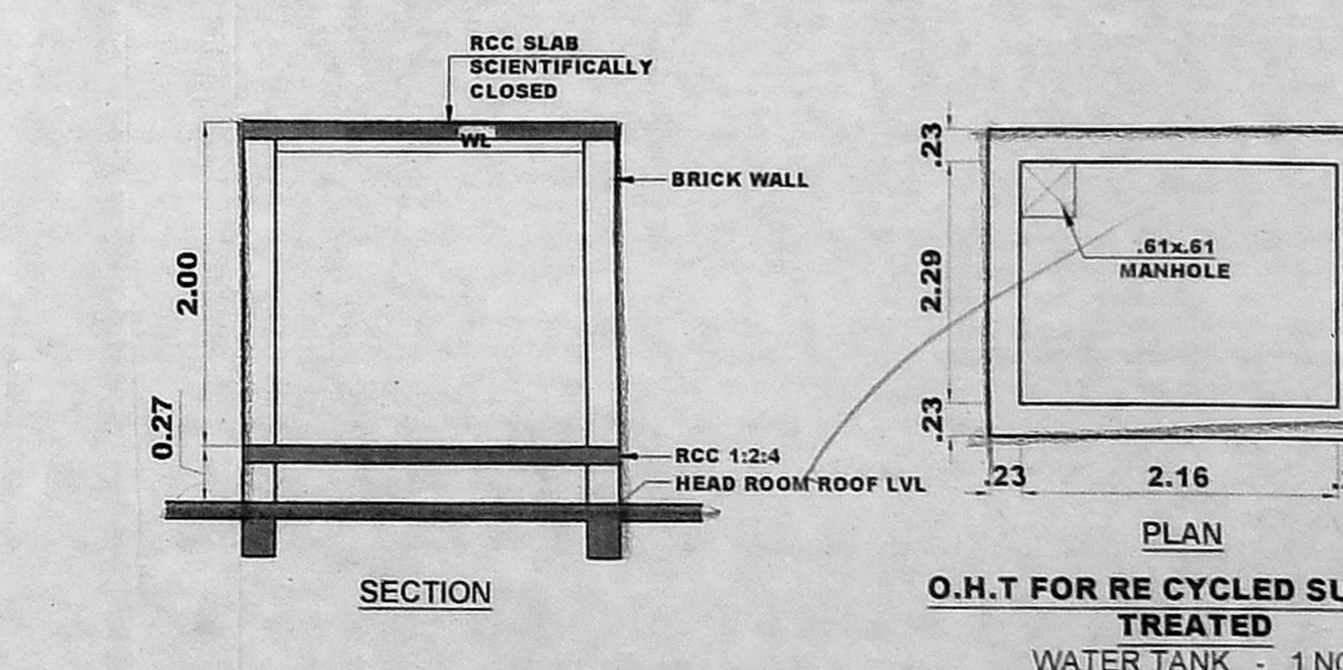
KEY PLAN (NOT TO SCALE)



DWARF WALL DETAILS



U.G SUMP FOR DOMESTIC PURPOSE



O.H.T FOR RE CYCLED SULLAGE TREATED WATER TANK - 1 NO

SCALE - 1 : 100

ALL DIMENSION ARE IN METRE

COLOUR INDEX :-
 PROPOSED
 BOUNDARY
 ROAD

For KALPATARI CONSTRUCTIONS
 Partner's

OWNER / POWER HOLDER

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 LICENSED SURVEYOR No. 1546 - class I
 CORPORATION OF CHENNAI
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