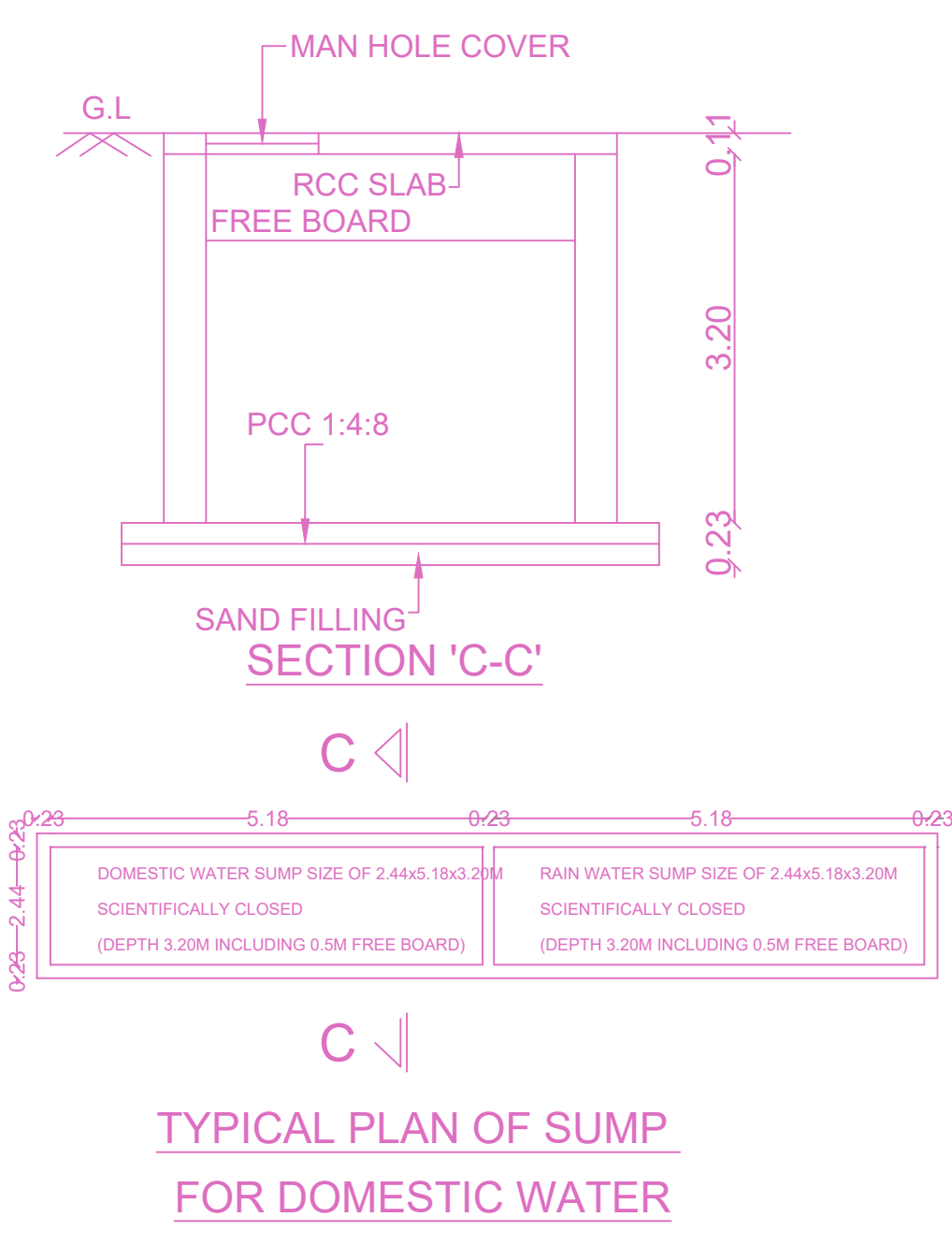
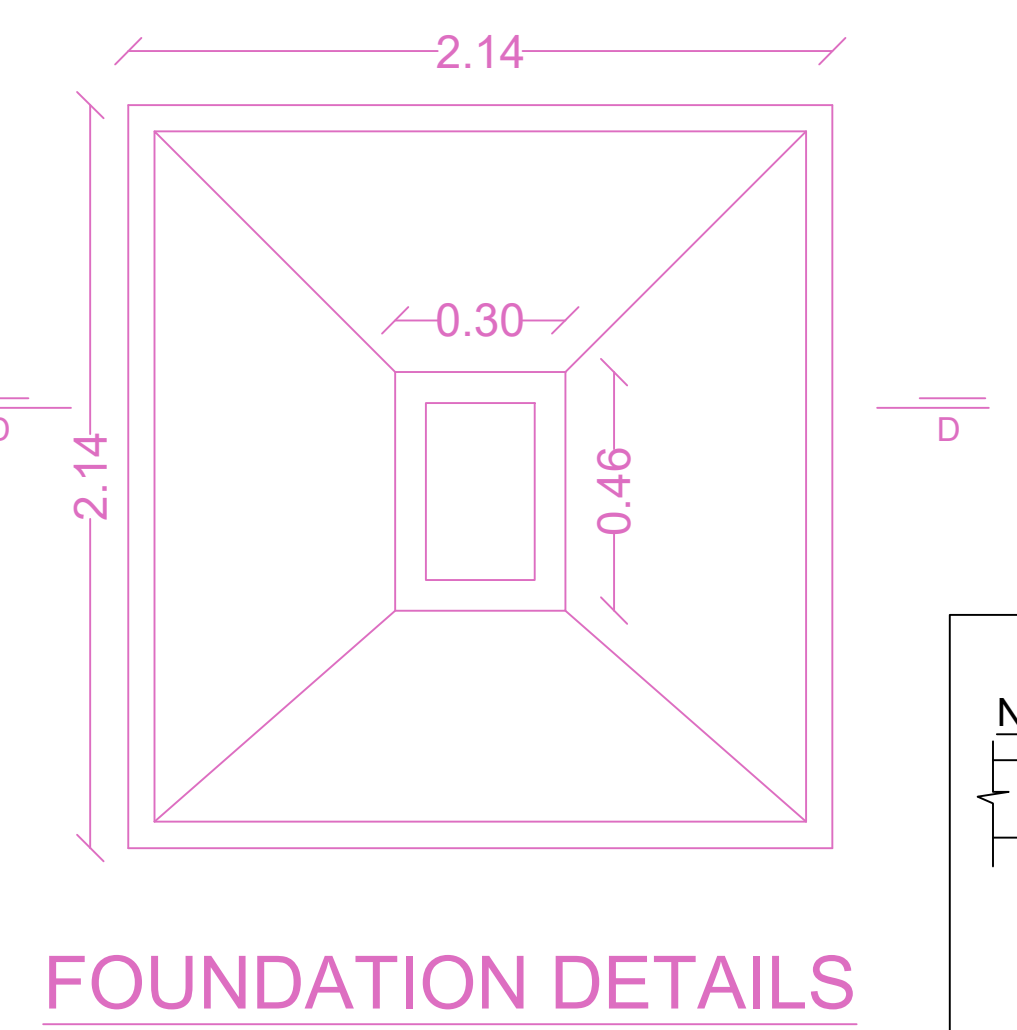
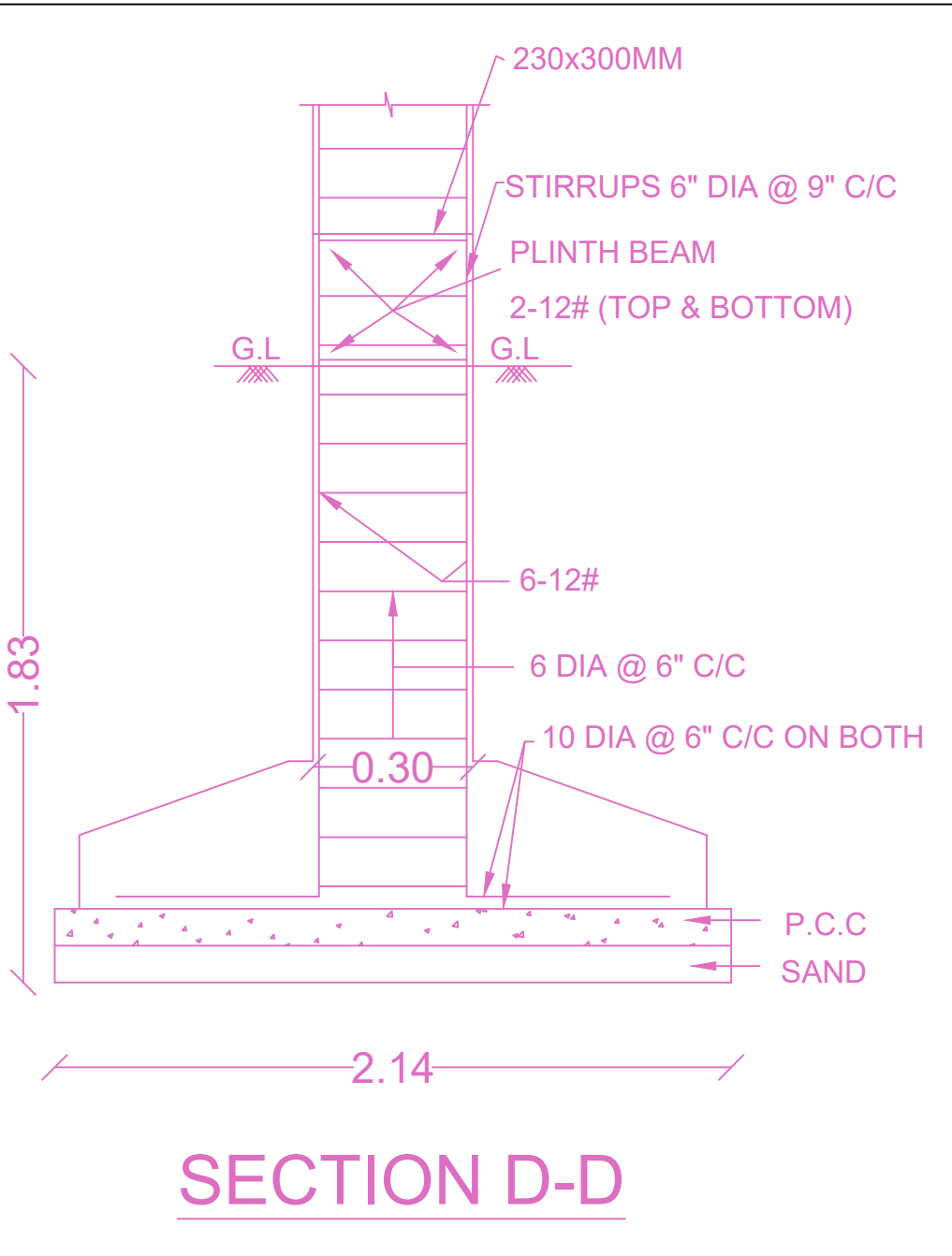


**DESIGN OF SEPTIC TANK WITH UPFLOW FILTER FOR THE PROPOSED RESIDENTIAL BUILDING AT GERUGAMBAKKAM MAIN ROAD, GERUGAMBAKKAM, CHENNAI. S.No.277/2A1, GERUGAMBAKKAM VILLAGE**

FSI AREA = 5964.32 Sq.m  
No of Dwelling = 50  
No of Users = 50x5=250  
No. of fixtures in Units = 50 Nos  
Discharge Assumings King's Factor of 6LPM/No = 50x6 = 300LPM  
0.92  
Septic tank surface area = 300x = 27.60sqm  
10  
Volume of free board = 27.60x 0.3 = 8.28Cu.m  
Volume of digestion = 250 x 0.032 = 8.00Cu.m  
Volume of sludge = 250 x 365 x 0.0002 = 18.25Cu.m  
Volume of sedimentation = 27.60 x 0.3 = 8.28 Cu.m  
Total Volume = 42.81Cu.m

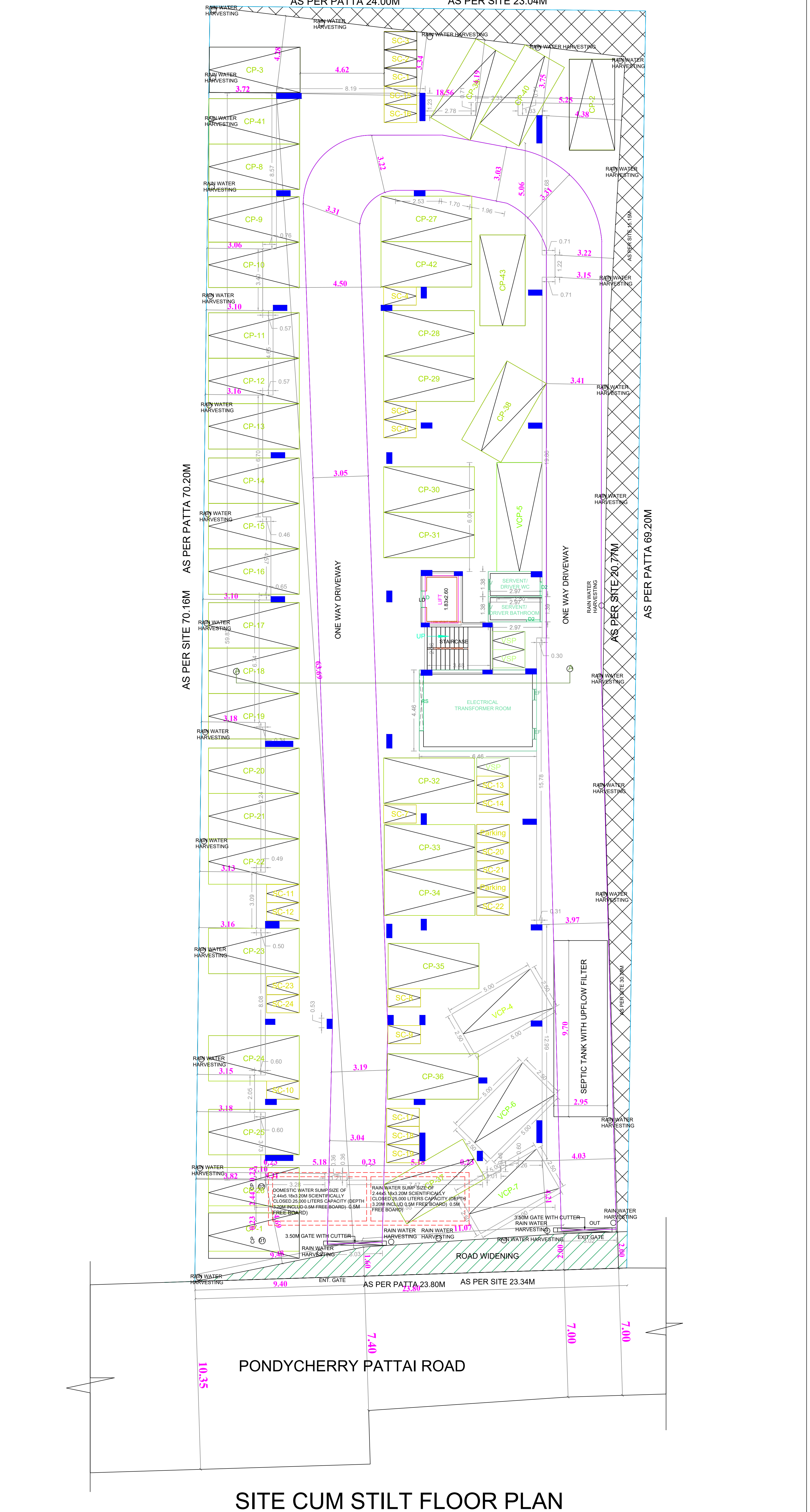
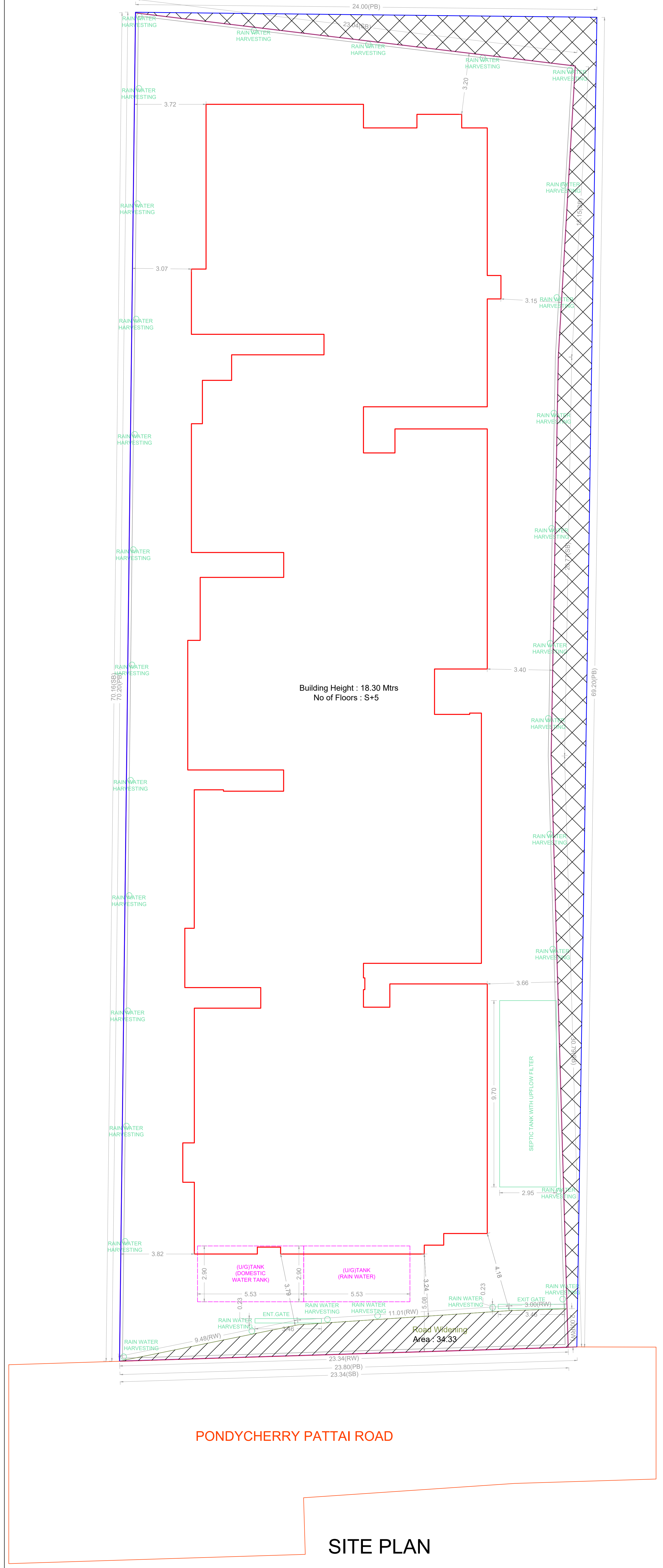
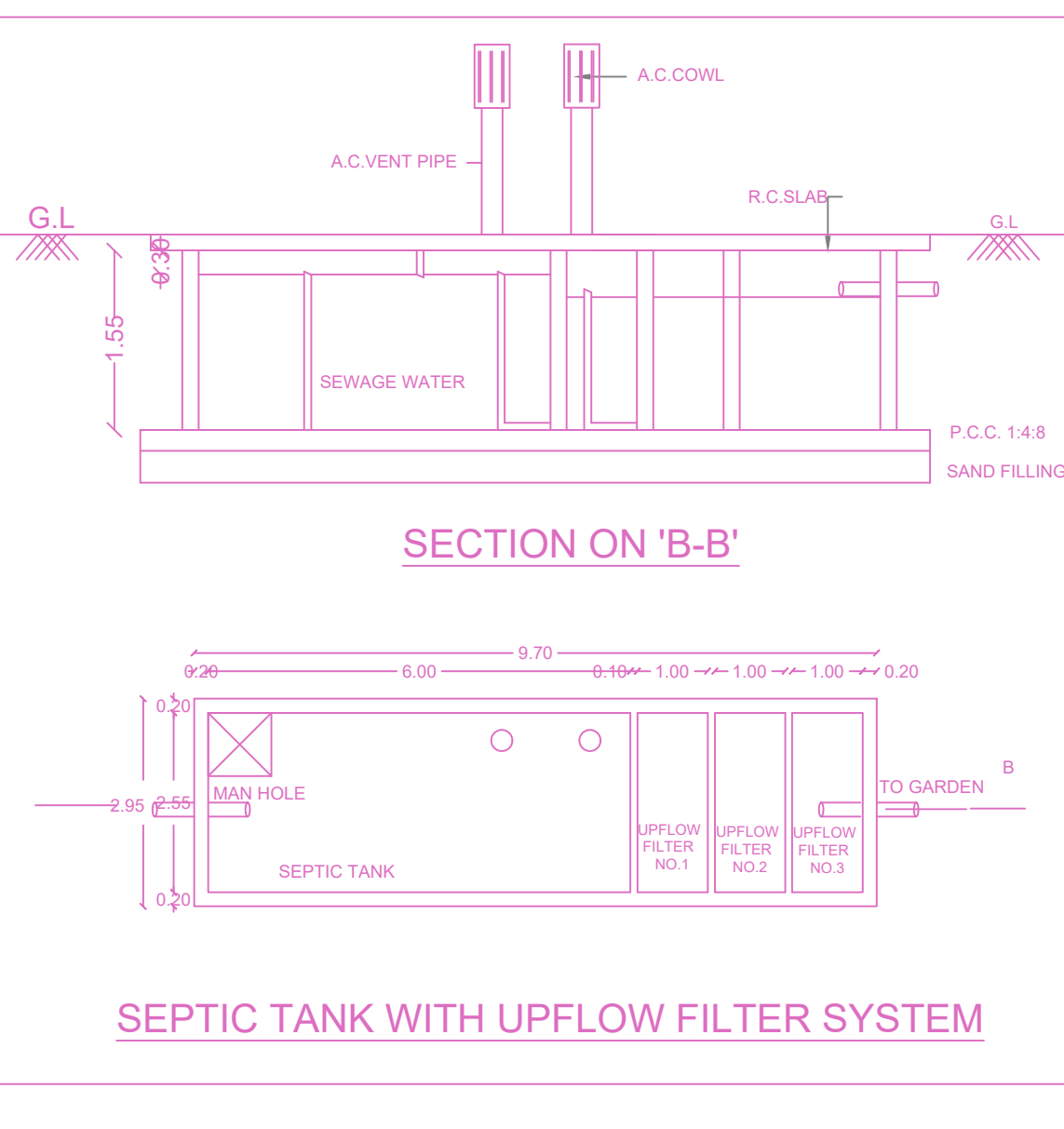
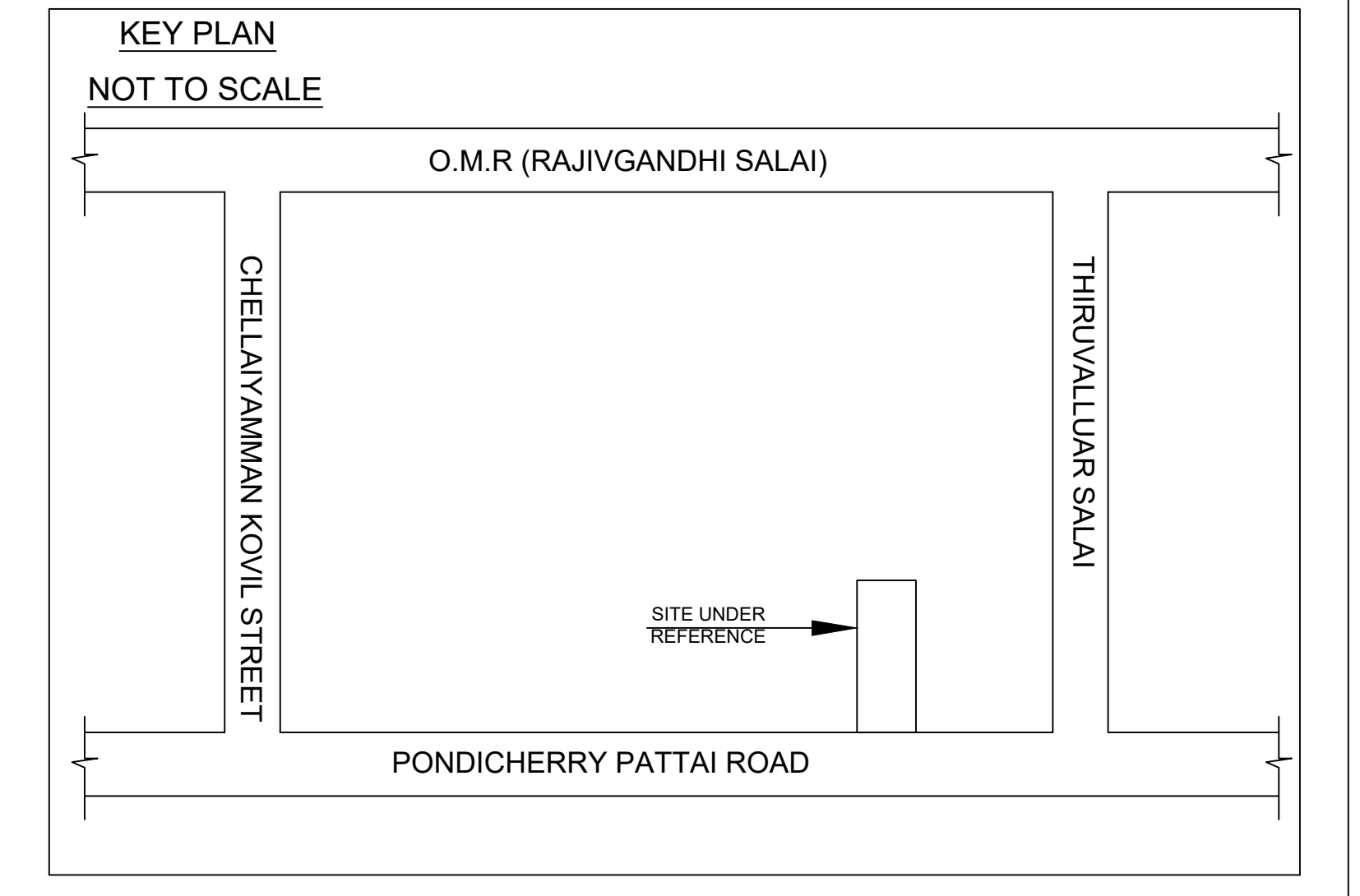
Depth of Septic Tank = 3.55m  
Size of Septic Tank - 2.55mx6.00mx3.55m  
UPFLOW FILTER  
Upflow capacity required = 250x0.04 = 10 Cu.m  
Depth Assumed = 3.55m  
Heccne area of final effluent = 6.45 Sq.m  
Size of final effluent collection sump  
Required = 1.00mx2.55mx3.55  
Peak Discharge = 300LPM  
Volume = 300x0.043 = 12.90  
Depth = 2.85-0.30 = 2.55  
Area required = 6.45 = 2.55

Size of up flow filter = 3.55 mx1.00mx2.55m  
Size of up flow filter II = 3.55mx1.00mx2.55m  
The Clean outlet water from filter shall be used for gardening.



PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR +5 FLOORS RESIDENTIAL BUILDING (HEIGHT-18.30m) WITH 44 DWELLING UNITS AVALING PREMIUM FSI AT PONDICHERRY PATTAI ROAD, CHEMMANCHERI, CHENNAI-600 119, COMPRISED IN OLD S.No.7/3, T.S.No.8, BLOCK No.5, WARD-E, OF CHEMMANCHERI VILLAGE, SHOLINGANALLUR TALUK WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION.	
A) AREA STATEMENT	SQ.M.
AREA AS PER PATTA	1684.10
AREA AS PER DOCUMENT	1659.20
AREA CONSIDERED FOR FSI	1624.87
STREET ALIGNMENT/ ROAD WIDENING/LINK ROAD	34.33
OSR AREA	0.00
TOTAL FSI AREA	4223.97
FSI FACTOR	2.599
COVERAGE AREA (PERCENTAGE %)	NA

A) PARKING STATEMENT		
VEHICLE	REQUIRED	PROVIDED
LORRY	0	0
CAR	43	43
TWO WHEELER	11	27
CYCLE	0	9



**FLOOR WISE FSI STATEMENT: A (COSMO)**

FLOORS	FSI AREA				DU	TOTAL FSI AREA
	COMM.	RESI.	IND.	SPEC.		
Terrace	0.00	0.00	0.00	0.00	0	0.00
FIFTH FLOOR	0.00	839.04	0.00	0.00	8	839.04
FOURTH FLOOR	0.00	839.03	0.00	0.00	9	839.03
THIRD FLOOR	0.00	839.03	0.00	0.00	9	839.03
SECOND FLOOR	0.00	839.03	0.00	0.00	9	839.03
FIRST FLOOR	0.00	839.03	0.00	0.00	9	839.03
STILT PARKING FLOOR	0.00	28.81	0.00	0.00	0	28.81
Total	0.00	4223.97	0.00	0.00	44	4223.97

**BUILDING WISE FSI STATEMENT**

BUILDING	NO OF SAME BUILDING	FSI AREA				DU	TOTAL FSI AREA
		COMM.	RESI.	IND.	SPEC.		
A-1 (COSMO)		0.00	4223.97	0.00	0.00	44	4223.97
Total		0.00	4223.97	0.00	0.00	44	4223.97

**APPROVAL CONDITION**

SCALE: 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY

**APPROVED**

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

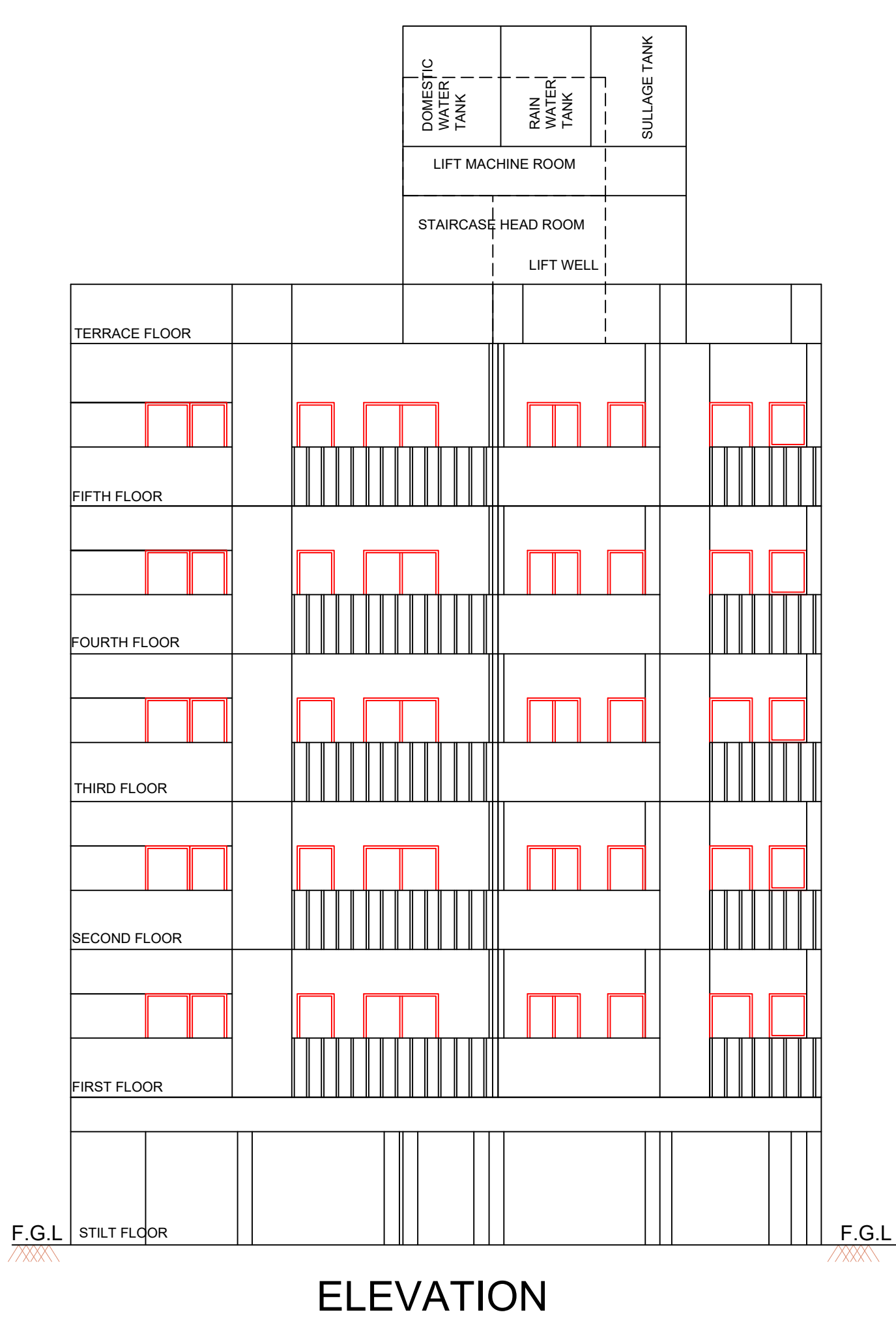
For Deputy Planner / (Deft Planner) (Mention Secretary)  
High Rise Building (High Rise Building)  
This Approval is valid only after building Permit is issued by the concerned Local Body.

KEY NO. 7688

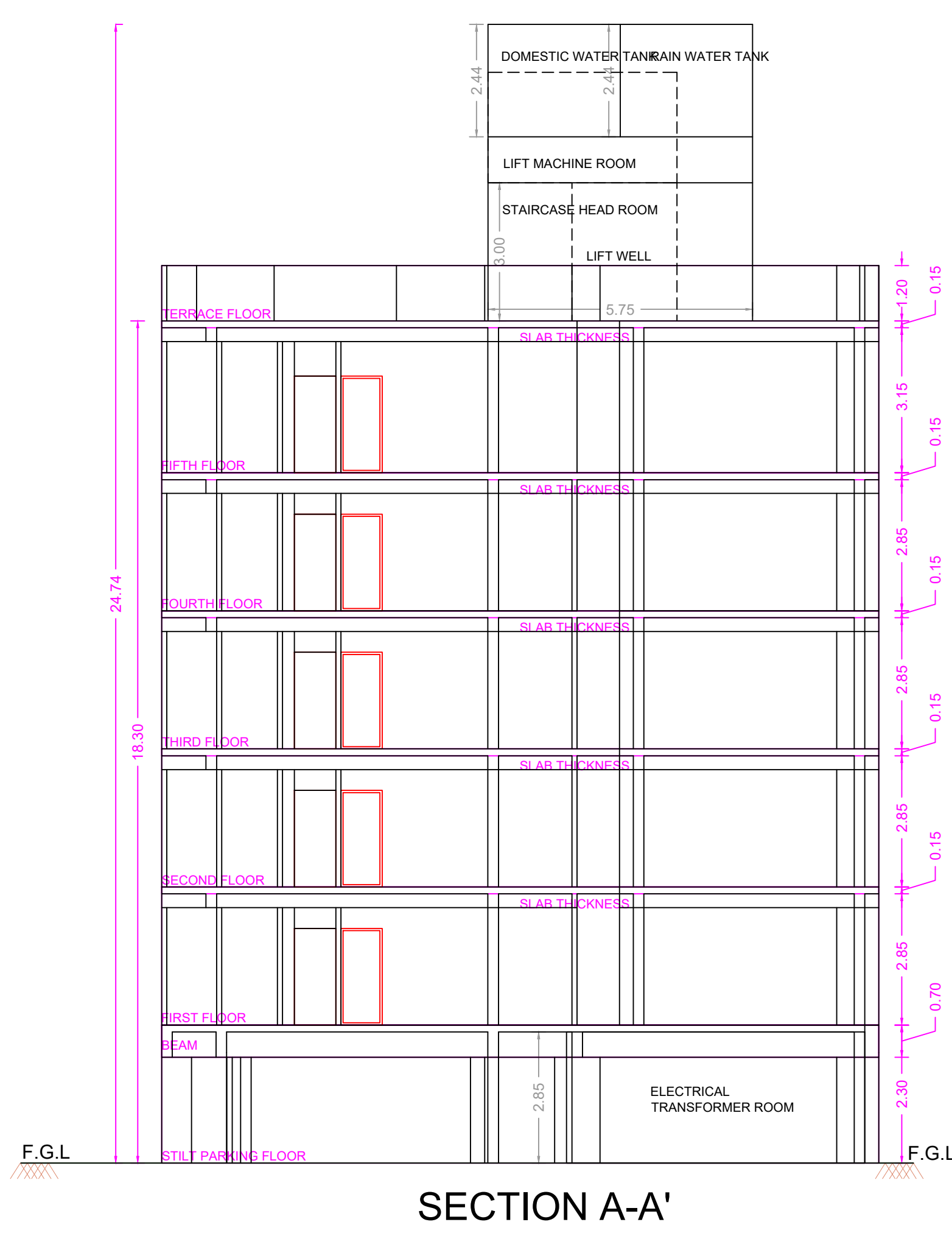
QR CODE



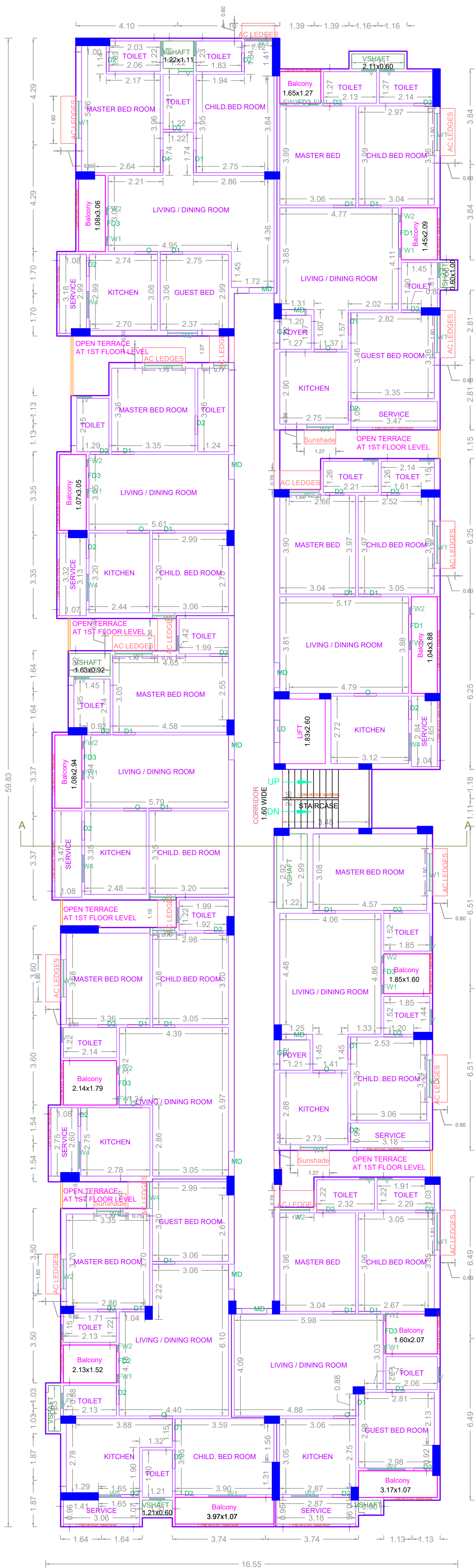
PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR +5 FLOORS RESIDENTIAL BUILDING (HEIGHT-18.30m) WITH 44 DWELLING UNITS AVAILING PREMIUM FSI AT PONDICHERRY PATTAI ROAD, CHEMMANCHERI, CHENNAI-600 119, COMPRISED IN OLD S.No.7/3, T.S.No.8, BLOCK No.5, WARD-E, OF CHEMMANCHERI VILLAGE, SHOLINGANALLUR TALUK WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION.



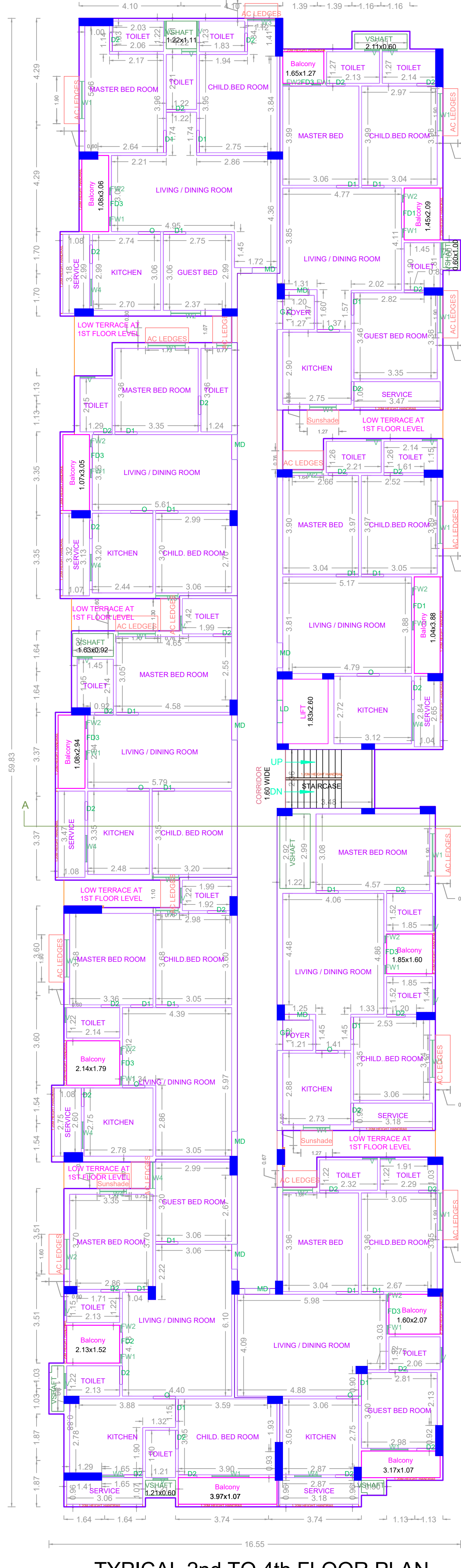
ELEVATION



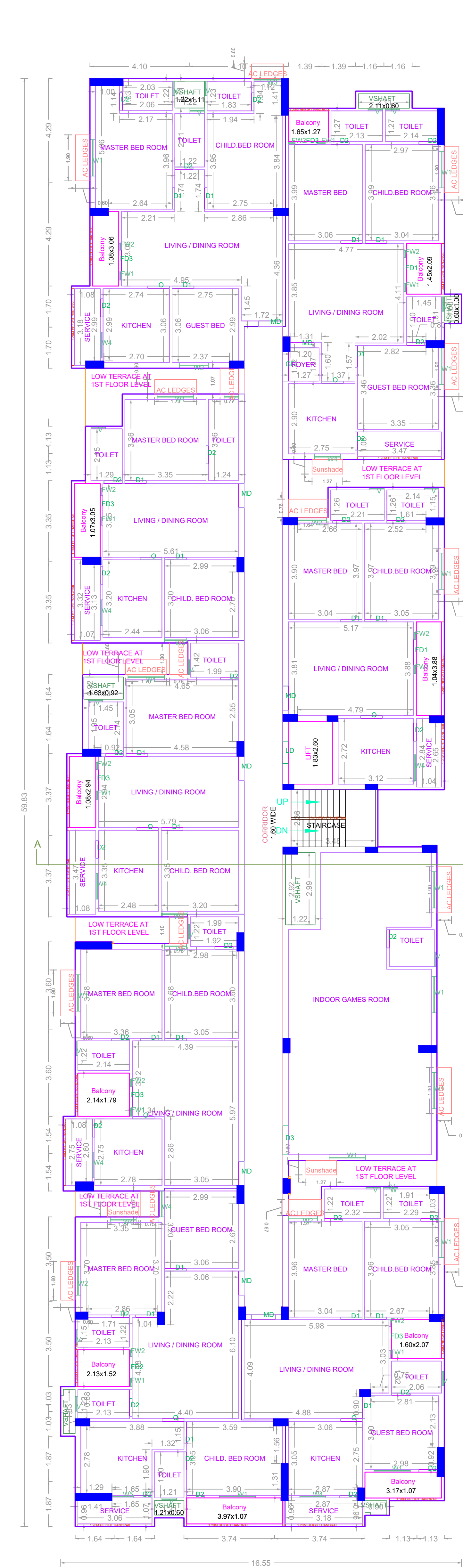
SECTION A-A'



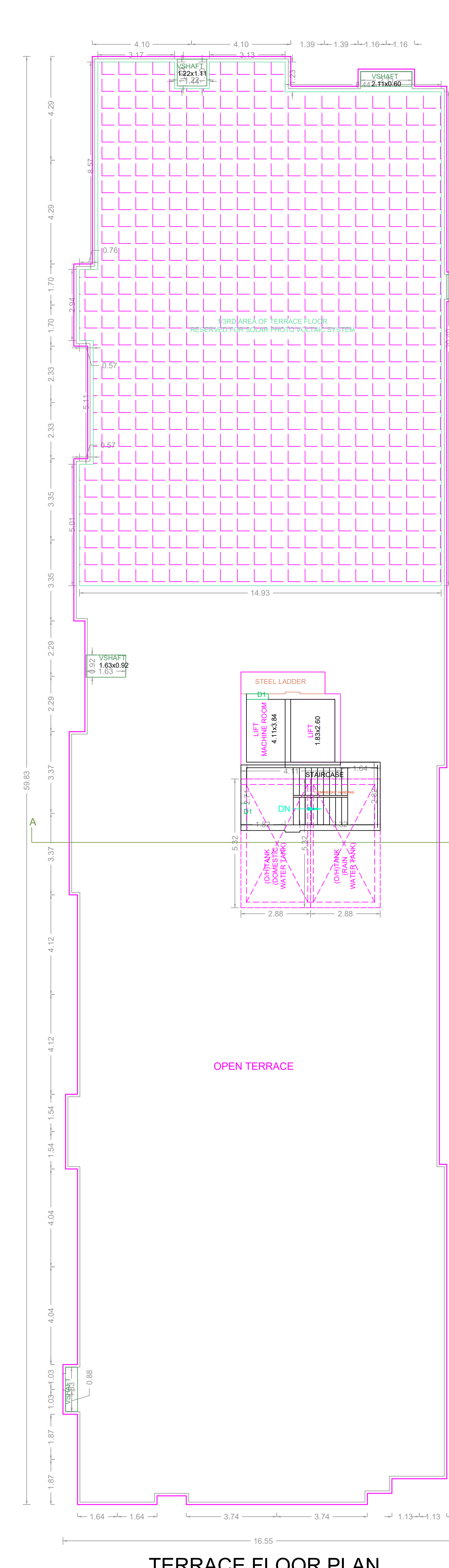
FIRST FLOOR PLAN



TYPICAL 2nd TO 4th FLOOR PLAN



TERRACE FLOOR PLAN



TERRACE FLOOR PLAN

APPROVAL CONDITION

SCALE 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY

APPROVED

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

KEY NO. 7688

QR CODE