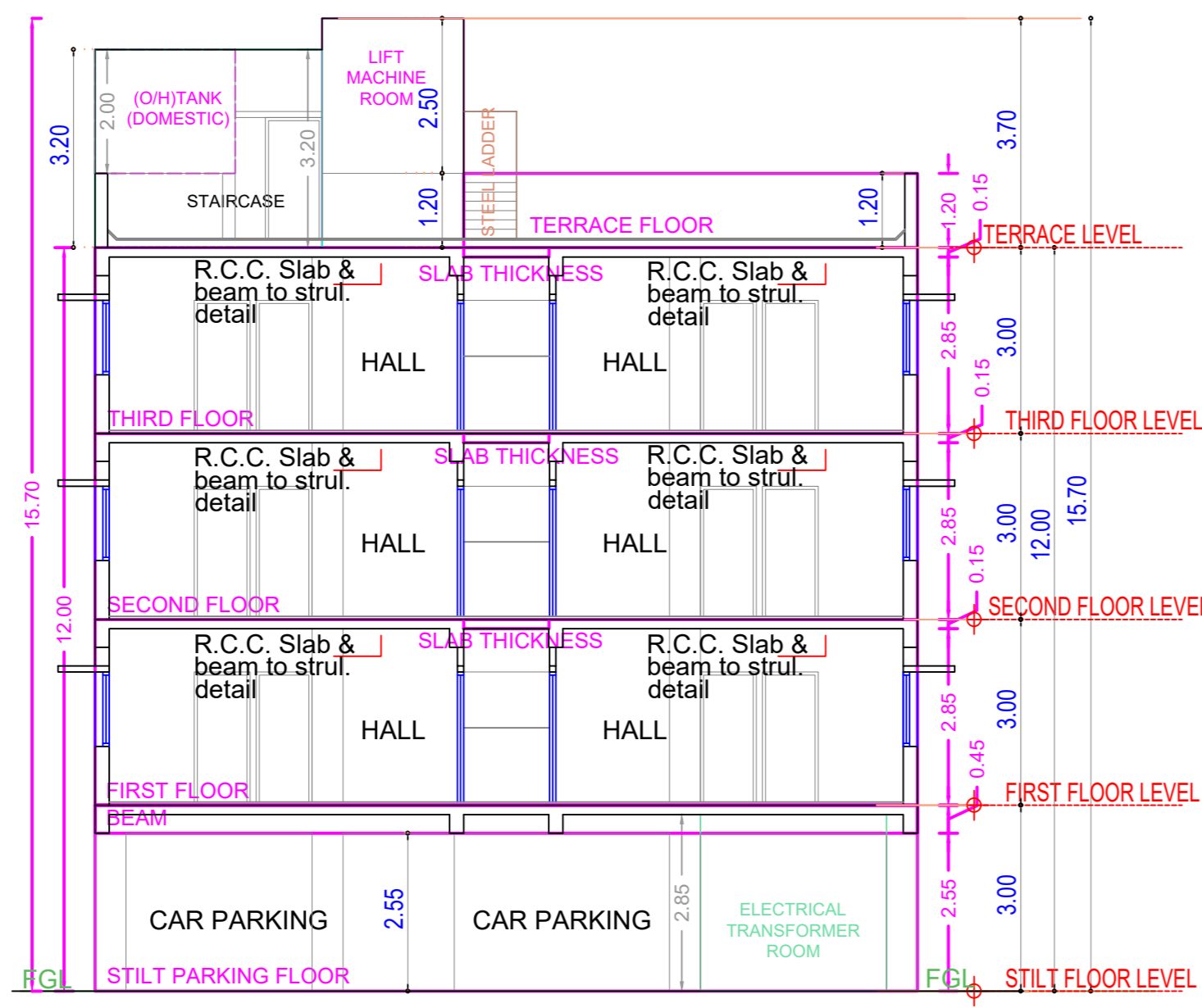
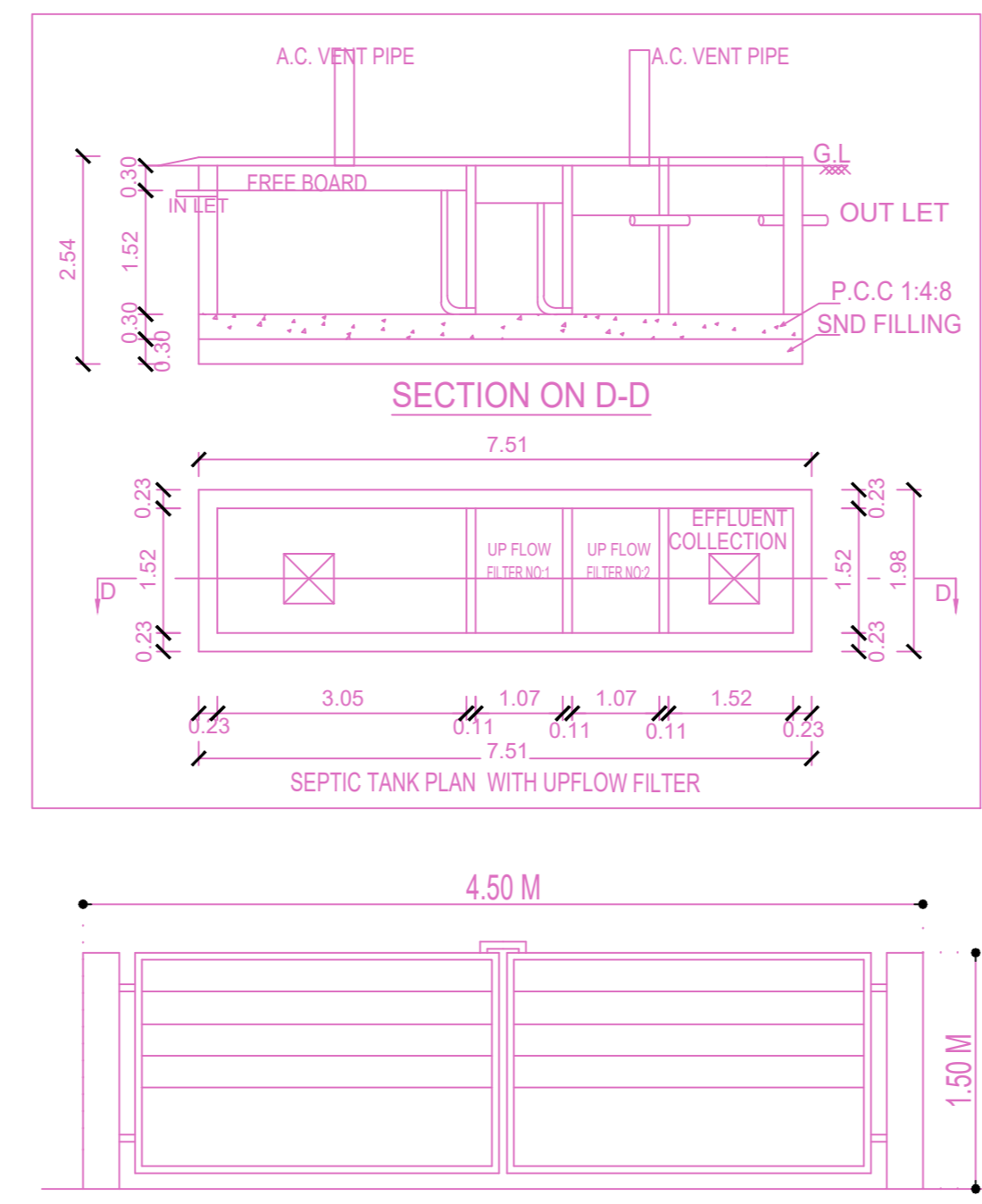


FRONT ELEVATION



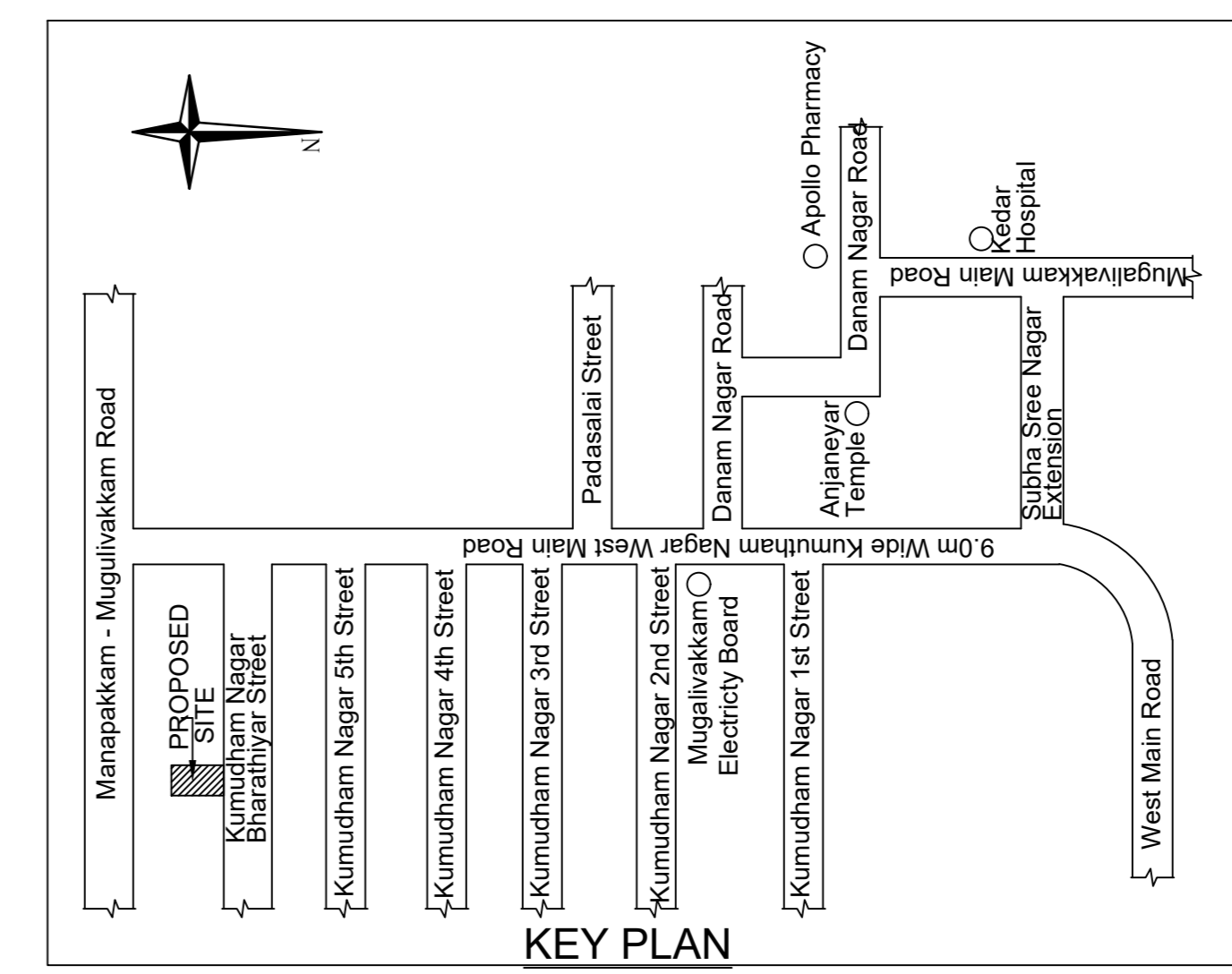
SECTION - XX



GATE DETAIL

**DESIGN OF SEPTIC TANK WITH UPFLOW FILTER**

NO OF DWELLING UNIT	= 15 X 5	= 75 Nos.
NO OF USERS	= 15 X 5	= 75 Nos.
FIXTURE UNIT PER DWELLING	= 2 X 15	= 30 Nos.
TOTAL NO OF FIXTURE UNIT	= 2 X 15	= 30 Nos.
ASSUME A PEAK FACTOR OF 0.8 FOR FIXTURE UNIT		= 13X15=195LPM
SEPTIC TANK SURFACE AREA REQUIRED	= $195 \times 0.92$	= 17.94M <sup>2</sup>
VOLUME OF FREE BOARD	= 17.94X0.30	= 5.38M <sup>3</sup>
VOLUME OF SEDIMENTATION	= 17.94X0.30	= 5.38M <sup>3</sup>
VOLUME OF DIGESTION	= 80X0.032	= 2.56M <sup>3</sup>
VOLUME OF SLUDGE	= 80X365X0.0002	= 5.84M <sup>3</sup>
TOTAL VOLUME		17M <sup>3</sup>
DEPTH OF SEPTIC TANK	17/10.20	1.67M
PROVIDING L X B		2.51
SIZE OF SEPTIC TANK		6mX1.98mX1.82m
<b>UPFLOW FILTER</b>		
CAPACITY PEAK GRAVITY	= 80 X 0.045	= 3.60M
ASSUME DEPTH		0.80M
HENCE AREA OF FINAL EFFLUENT SUMP	= 2.70X0.80	= 3.37M <sup>2</sup>
SIZE OF FINAL EFFLUENT SUMP		1.52X1.52X0.80M
SIZE OF UPFLOW FILTER-1		1.52X1.07X1.52M
SIZE OF UPFLOW FILTER-2		1.52X1.07X1.52M

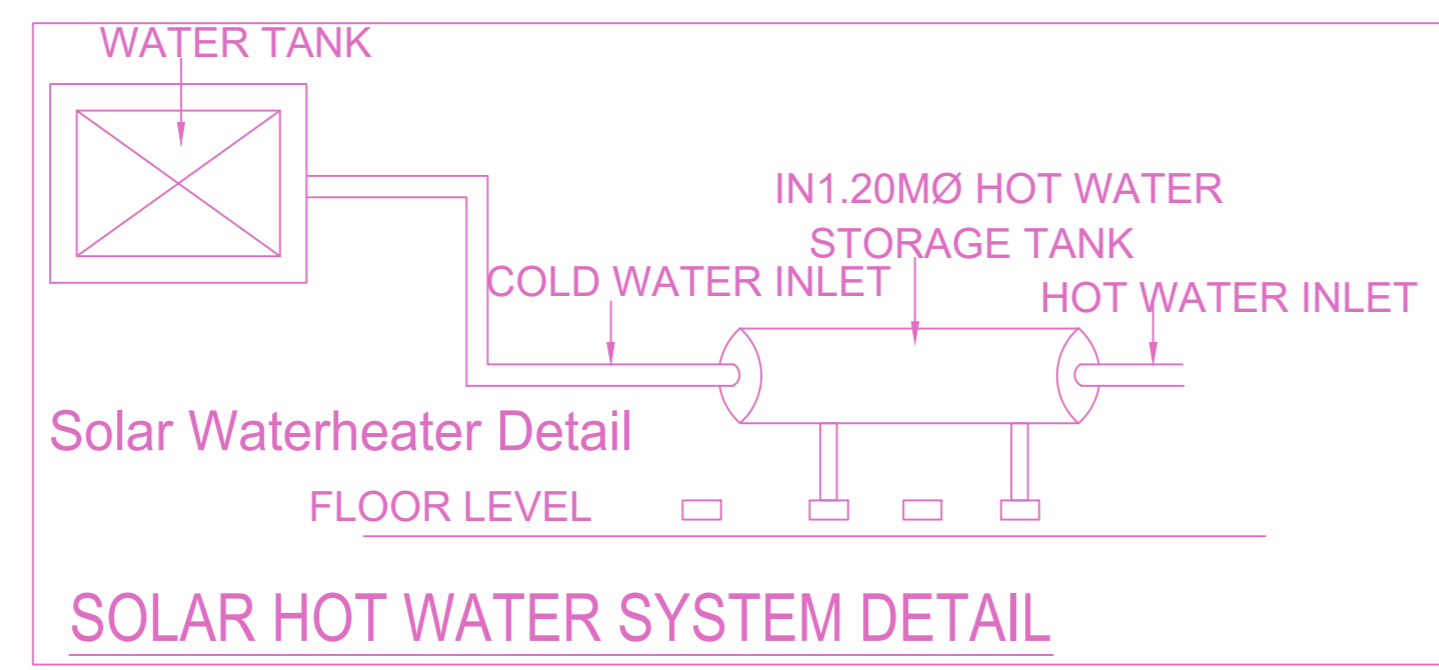


Location plan (Taken as per User Inputs)

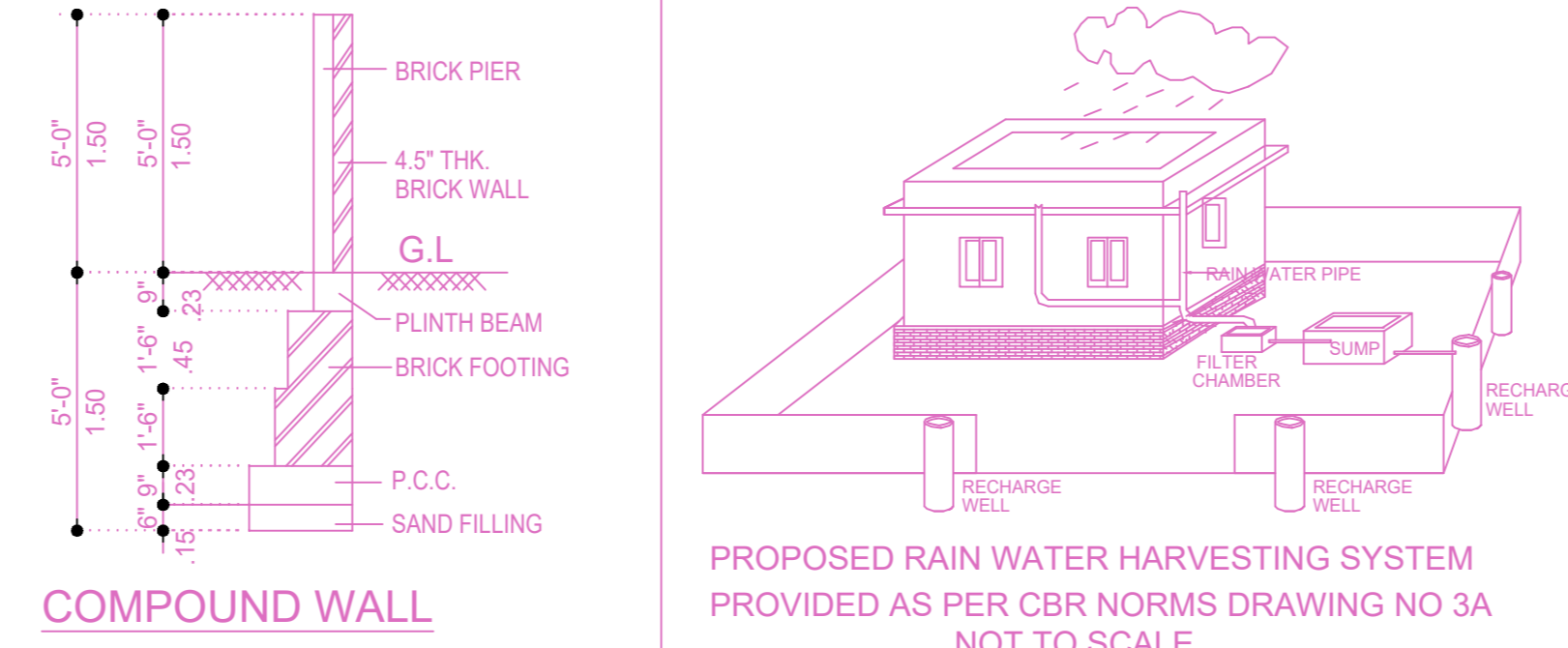
PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 3 FLOORS (12.0M HEIGHT) RESIDENTIAL BUILDING WITH 15 DWELLING UNITS AT DOOR NO.1/1269, BHARATHIYAR STREET, KUMUDHAM NAGAR, MUGALIVAKKAM, CHENNAI 600125, COMPRISED IN S.NO.67/6A OF MUGALIVAKKAM VILLAGE WITHIN THE LIMIT OF GREATER CHENNAI CORPORATION.

A) AREA STATEMENT	SQ.M.
AREA AS PER PATTA	550.00
AREA AS PER DOCUMENT	566.56
AREA CONSIDERED FOR FSI	550.00
STREET ALIGNMENT/ ROAD WIDENING/LINK ROAD	0.00
OSR AREA	0.00
TOTAL FSI AREA	1098.72
FSI FACTOR	1.998
COVERAGE AREA (PERCENTAGE %)	NA

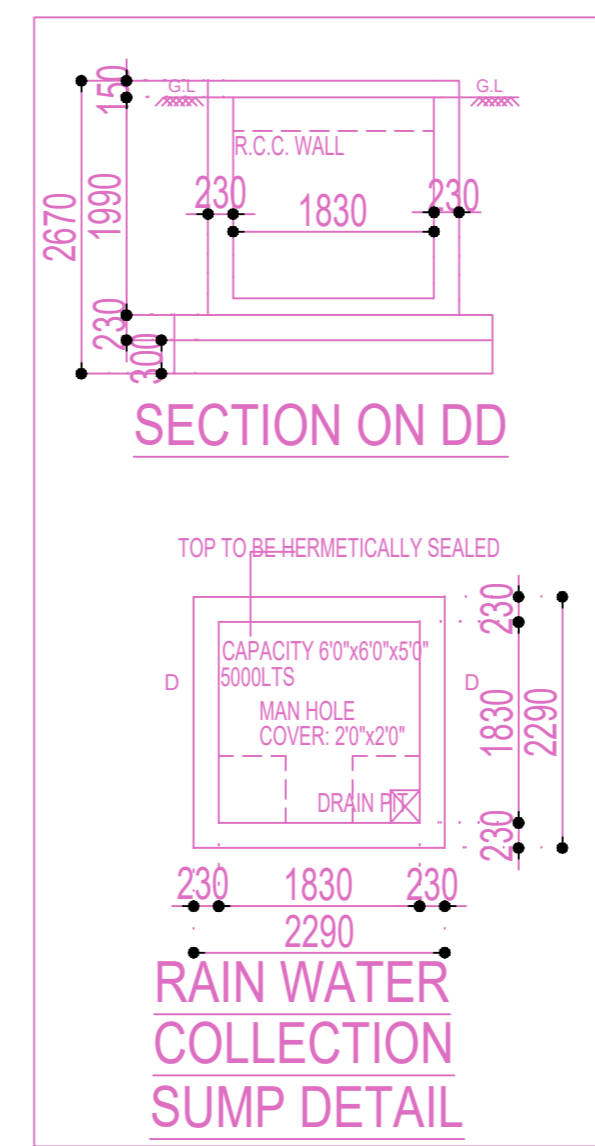
A) PARKING STATEMENT		
VEHICLE	REQUIRED	PROVIDED
LORRY	-	0
CAR	9	10
TWO WHEELER	13	15
CYCLE	-	0



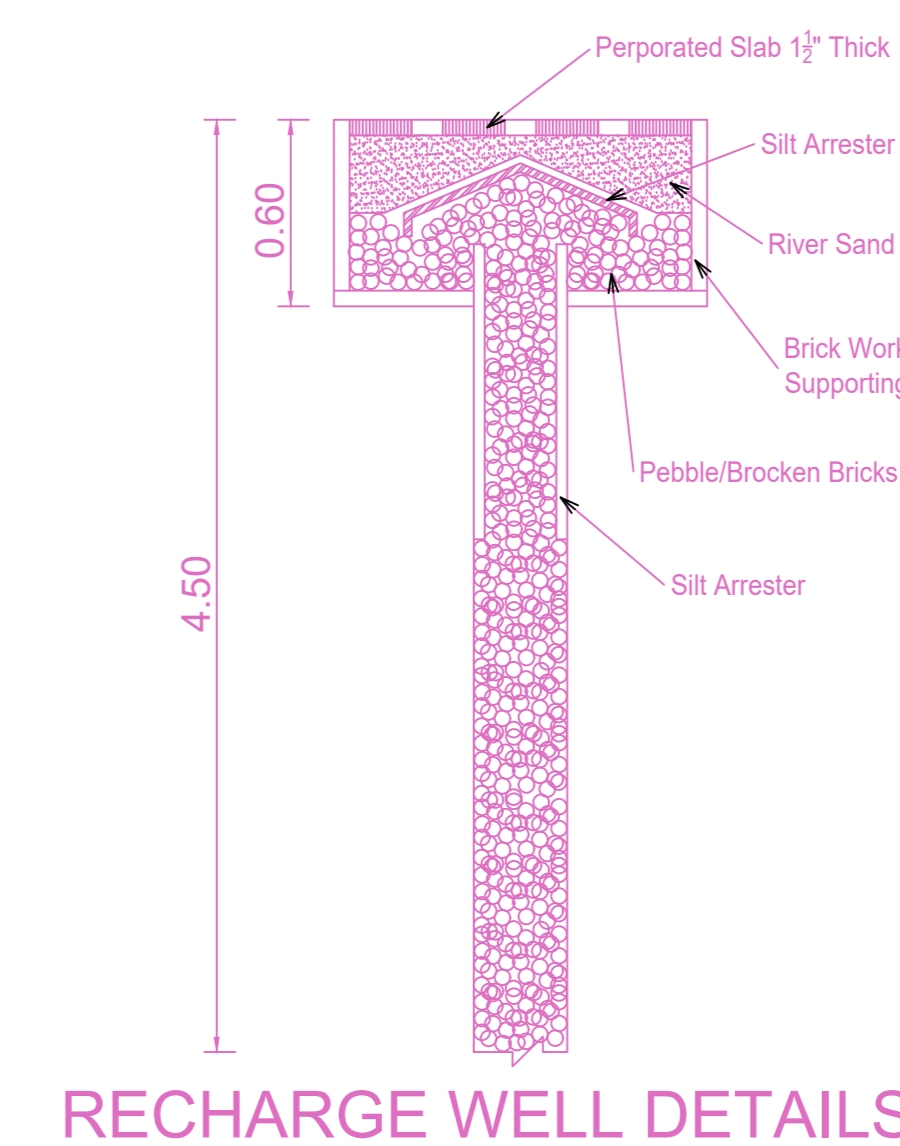
SOLAR HOT WATER SYSTEM DETAIL



COMPOUND WALL DETAIL



RAIN WATER COLLECTION SUMP DETAIL



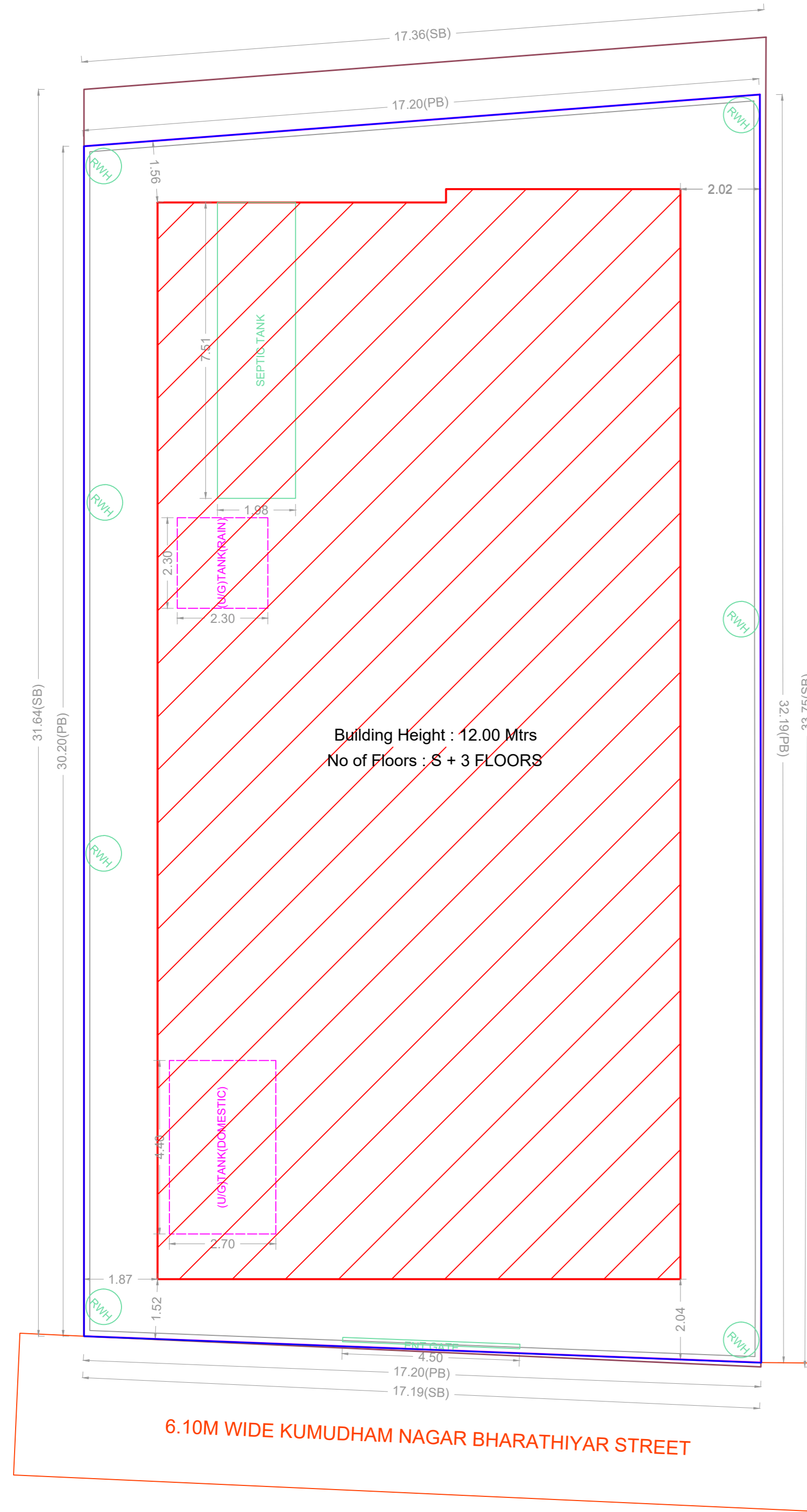
RECHARGE WELL DETAILS

**FLOOR WISE FSI STATEMENT: NHRB (NHRB)**

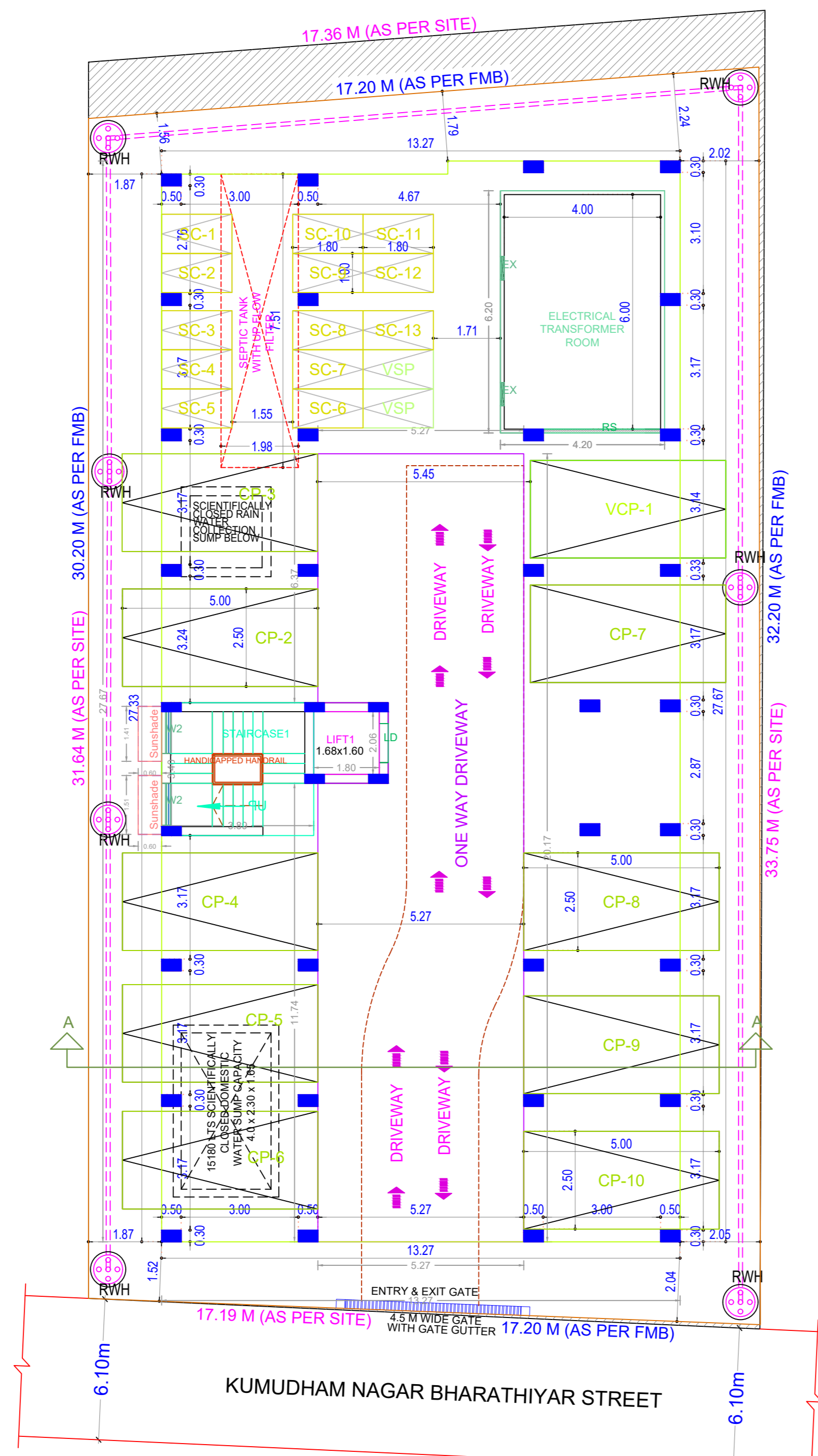
FLOORS	FSI AREA				DU	TOTAL FSI AREA
	COMM.	RESI.	IND.	INST.		
STILT PARKING FLOOR	0.00	26.04	0.00	0.00	0	26.04
FIRST FLOOR	0.00	357.56	0.00	0.00	5	357.56
SECOND FLOOR	0.00	357.56	0.00	0.00	5	357.56
THIRD FLOOR	0.00	357.56	0.00	0.00	5	357.56
Terrace	0.00	0.00	0.00	0.00	0	0.00
Total	0.00	1098.72	0.00	0.00	15	1098.72

**BUILDING WISE FSI STATEMENT**

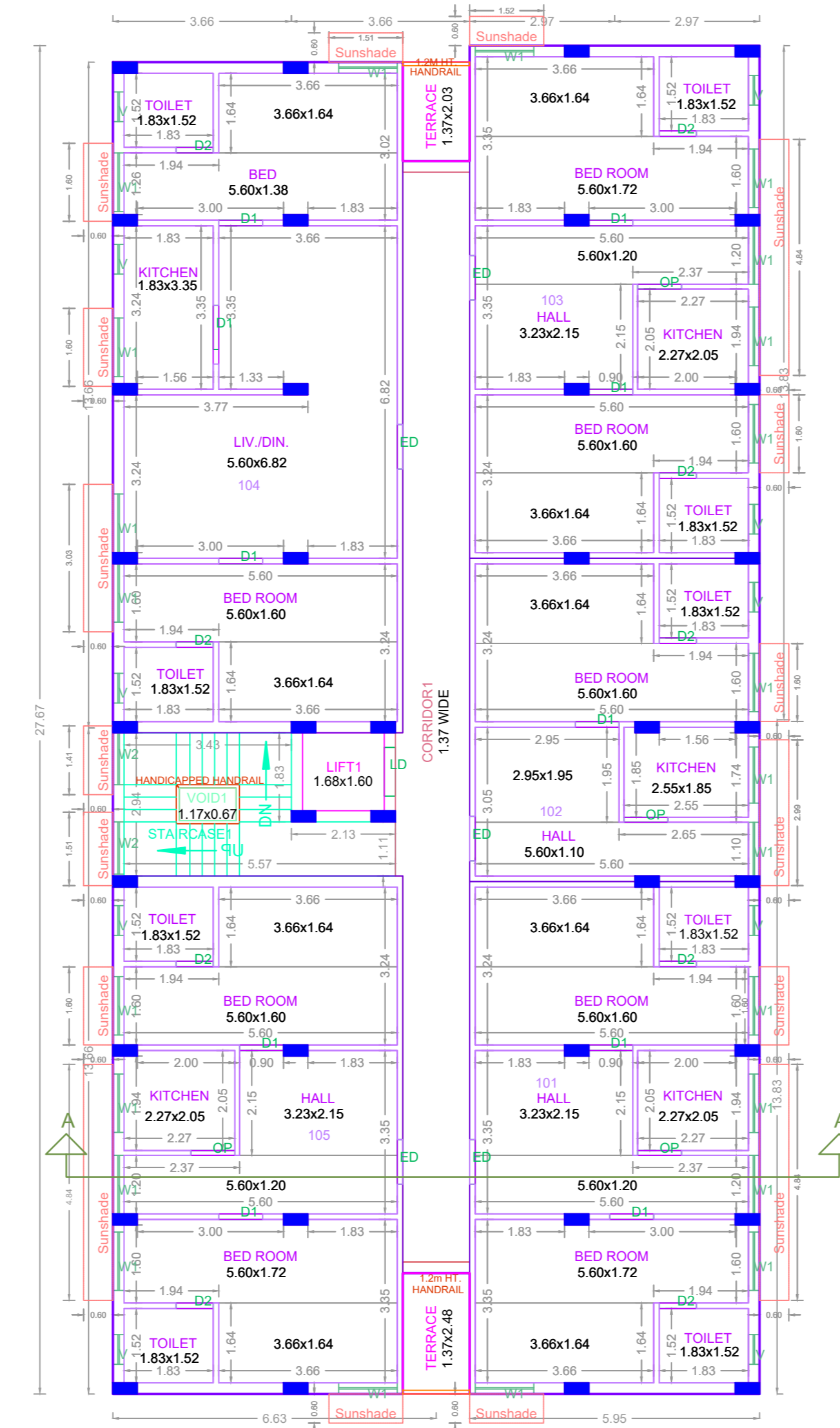
BUILDING	NO OF SAME BUILDINGS	FSI AREA				DU	TOTAL FSI AREA
		COMM.	RESI.	IND.	INST.		
NHRB-1 (NHRB)	0.00	1098.72	0.00	0.00	0.00	15	1098.72
Total		0.00	1098.72	0.00	0.00	15	1098.72



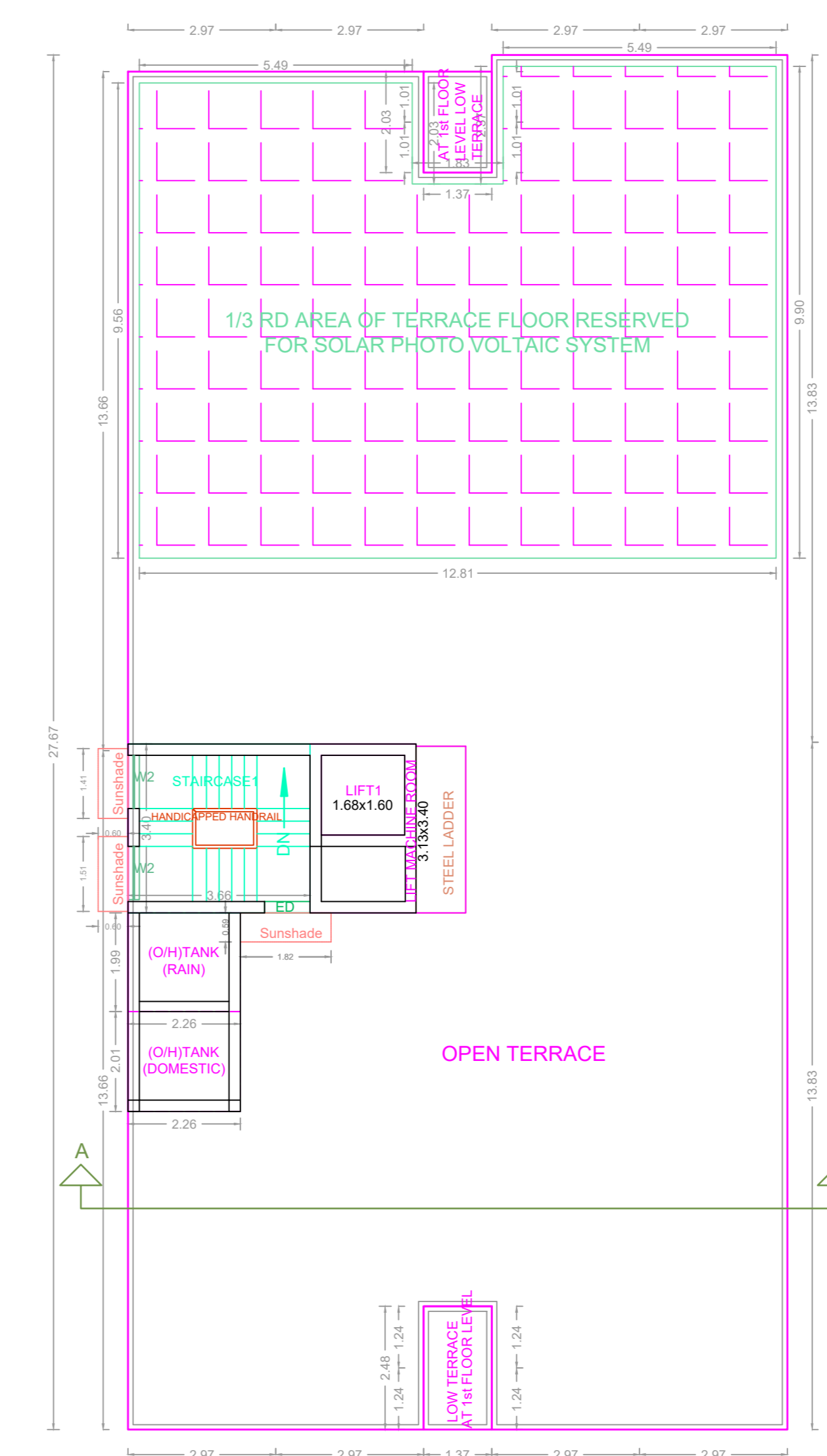
SITE PLAN



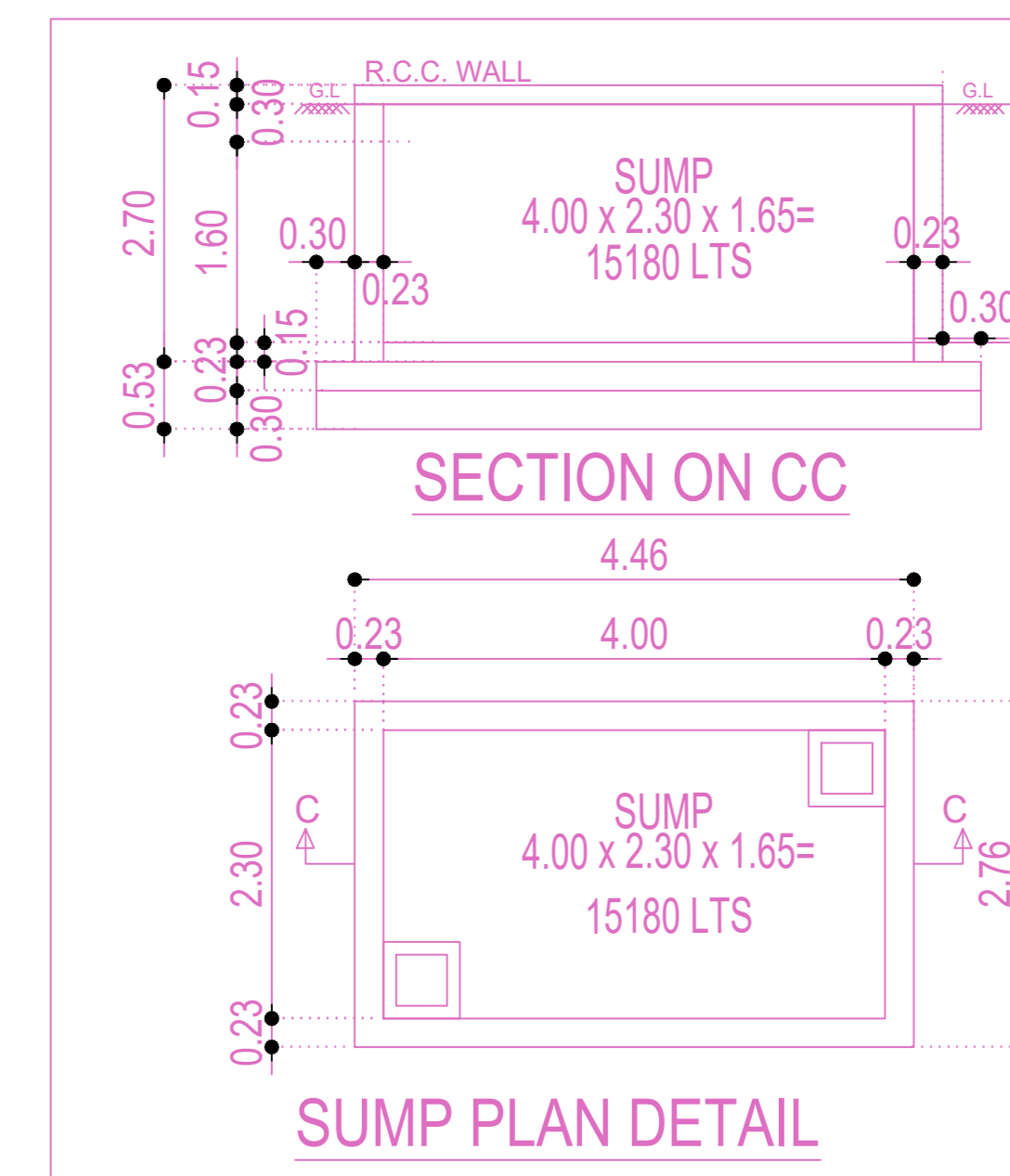
SITE CUM STILT FLOOR PLAN



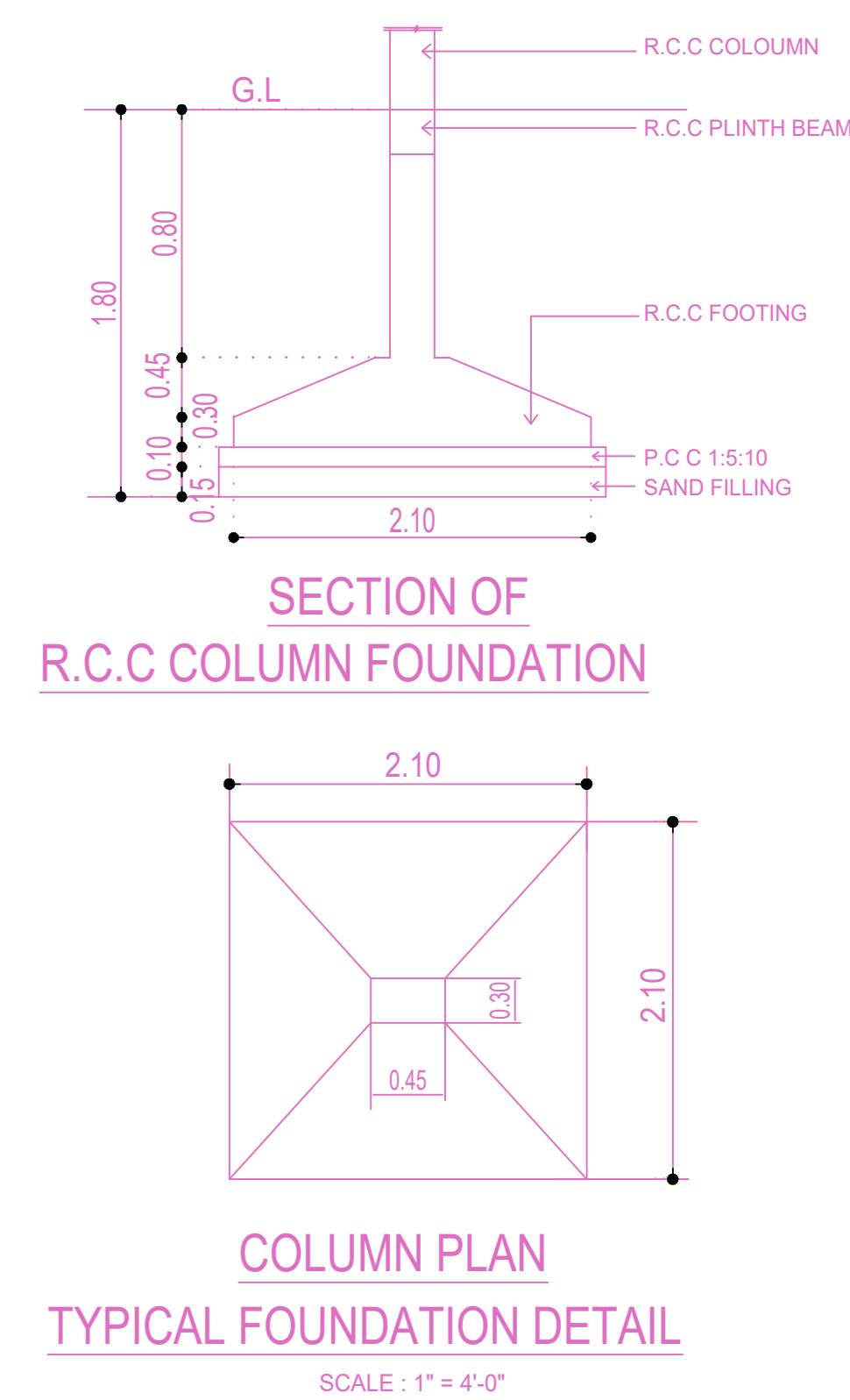
TYPICAL - 1, 2 & 3 FLOOR PLAN



TERRACE FLOOR PLAN



SUMP PLAN DETAIL



SECTION OF R.C.C COLUMN FOUNDATION

COLUMN PLAN TYPICAL FOUNDATION DETAIL

APPROVAL CONDITION

Scale 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY

APPROVED  
SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

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

KEY NO. 0688 QR CODE