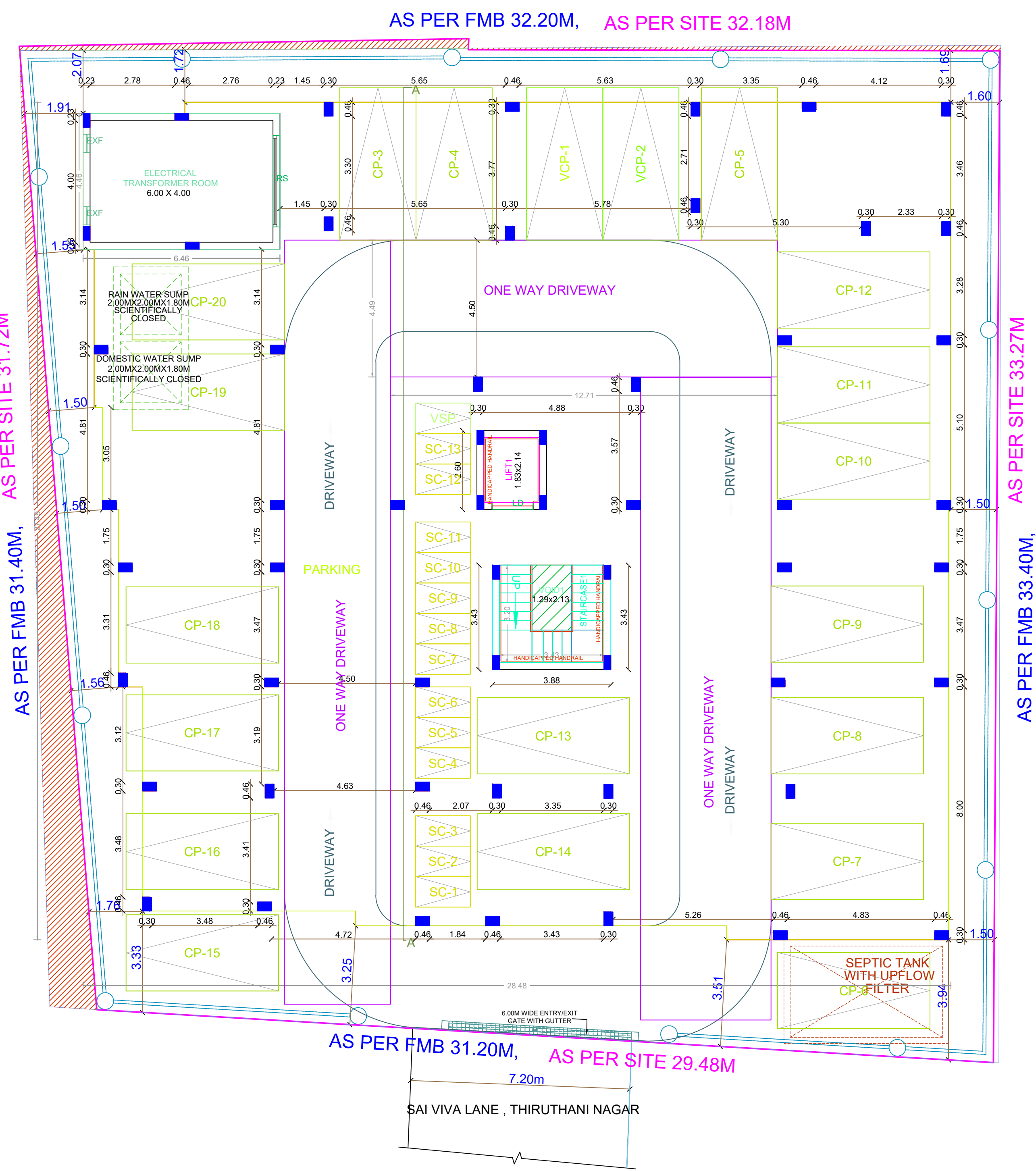


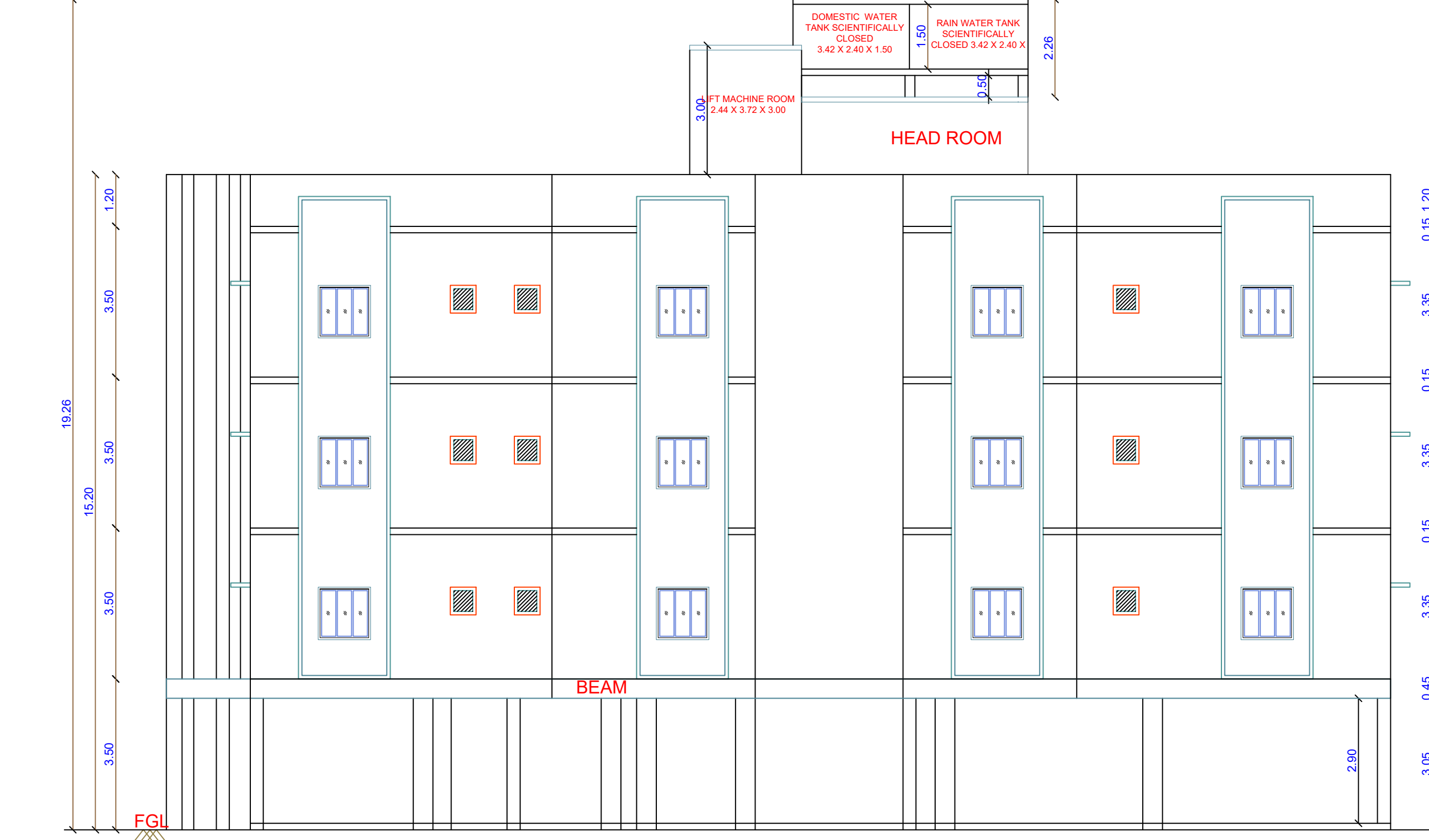
SITE PLAN



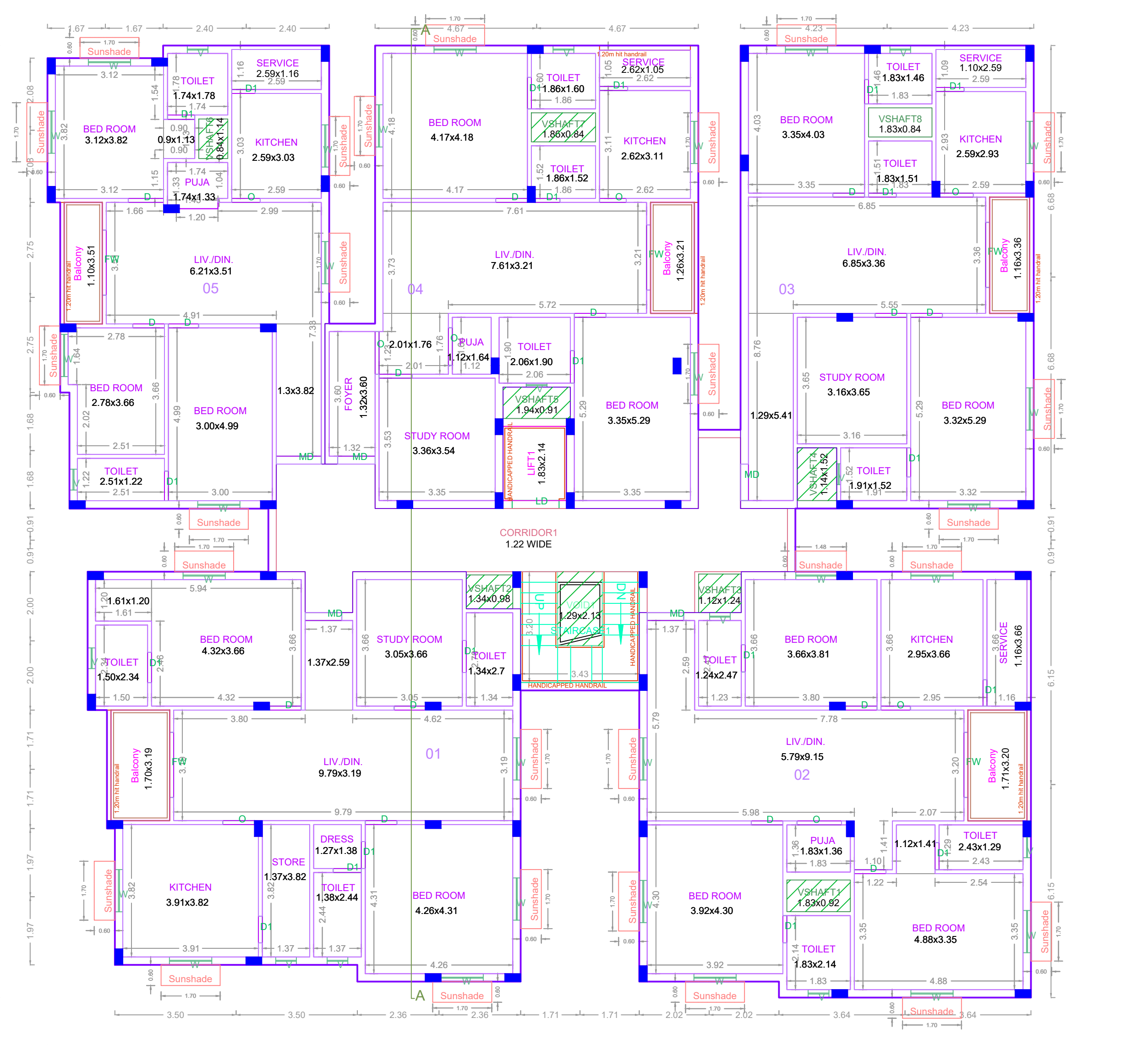
SITE CUM STILT FLOOR PLAN



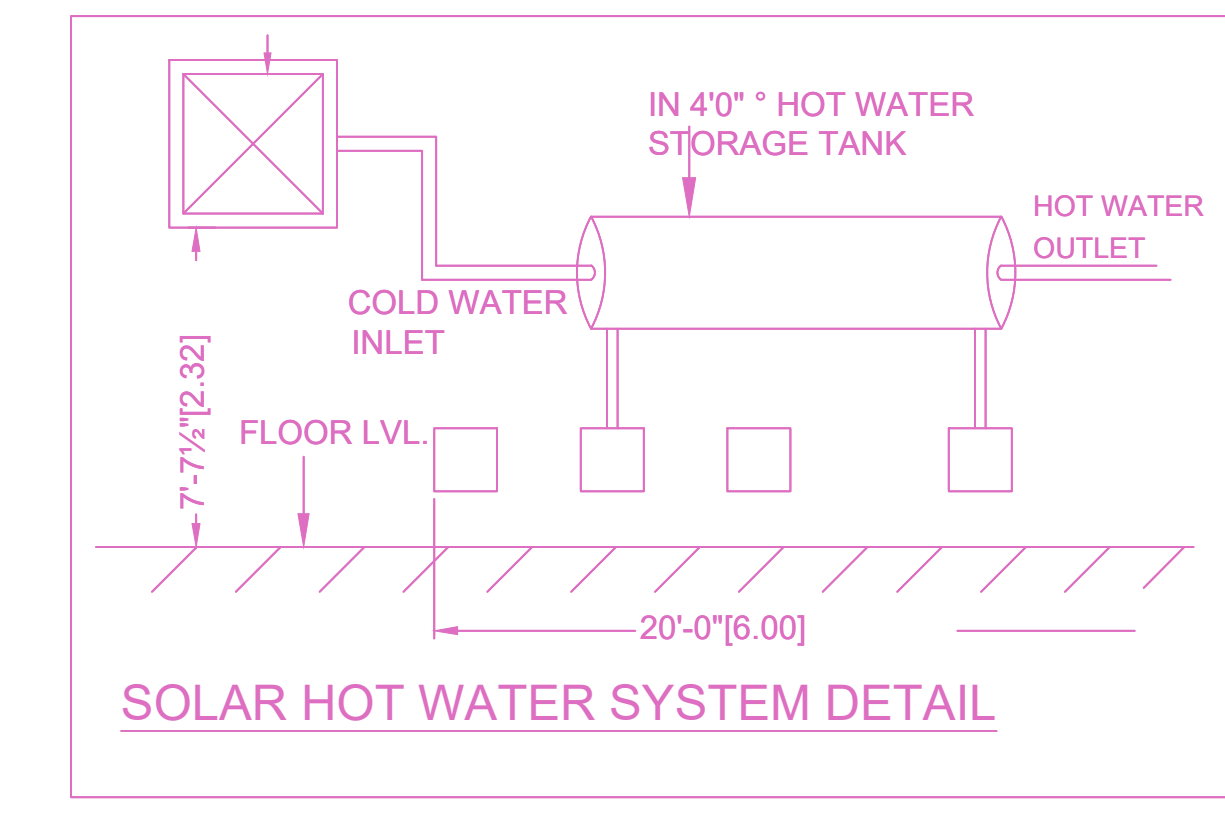
SECTION A-A



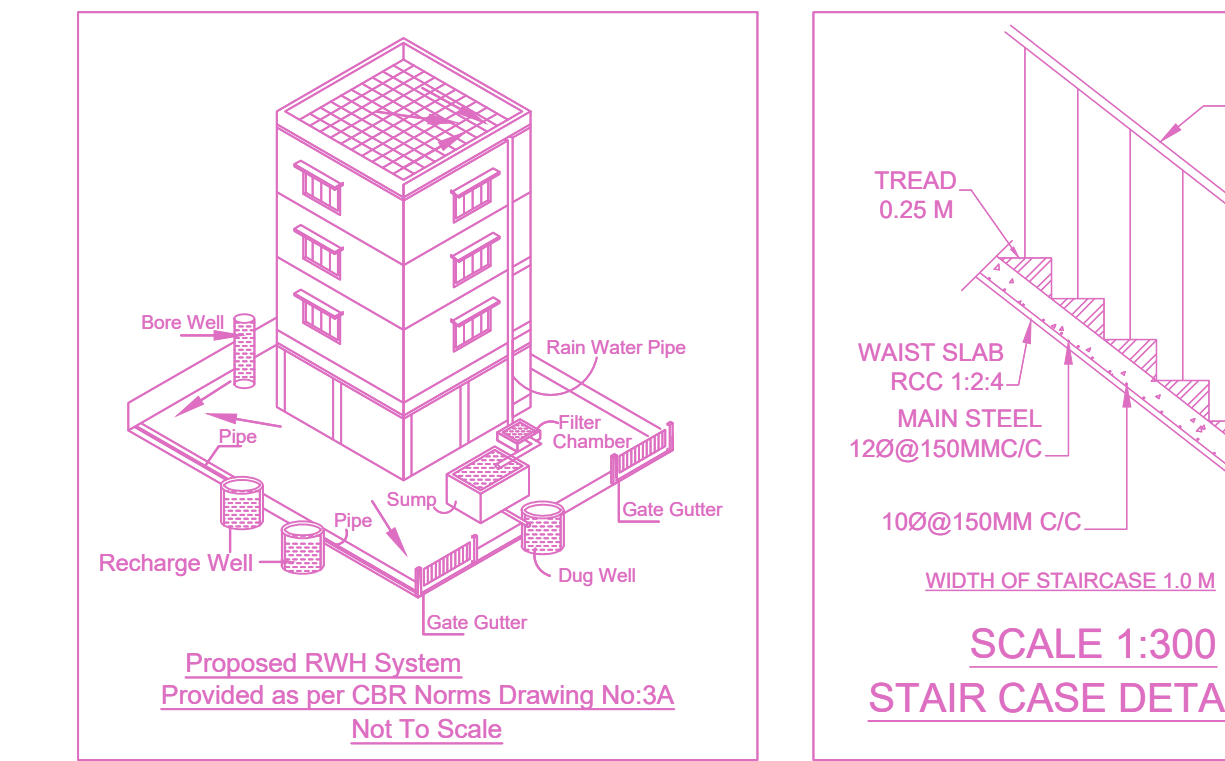
ELEVATION



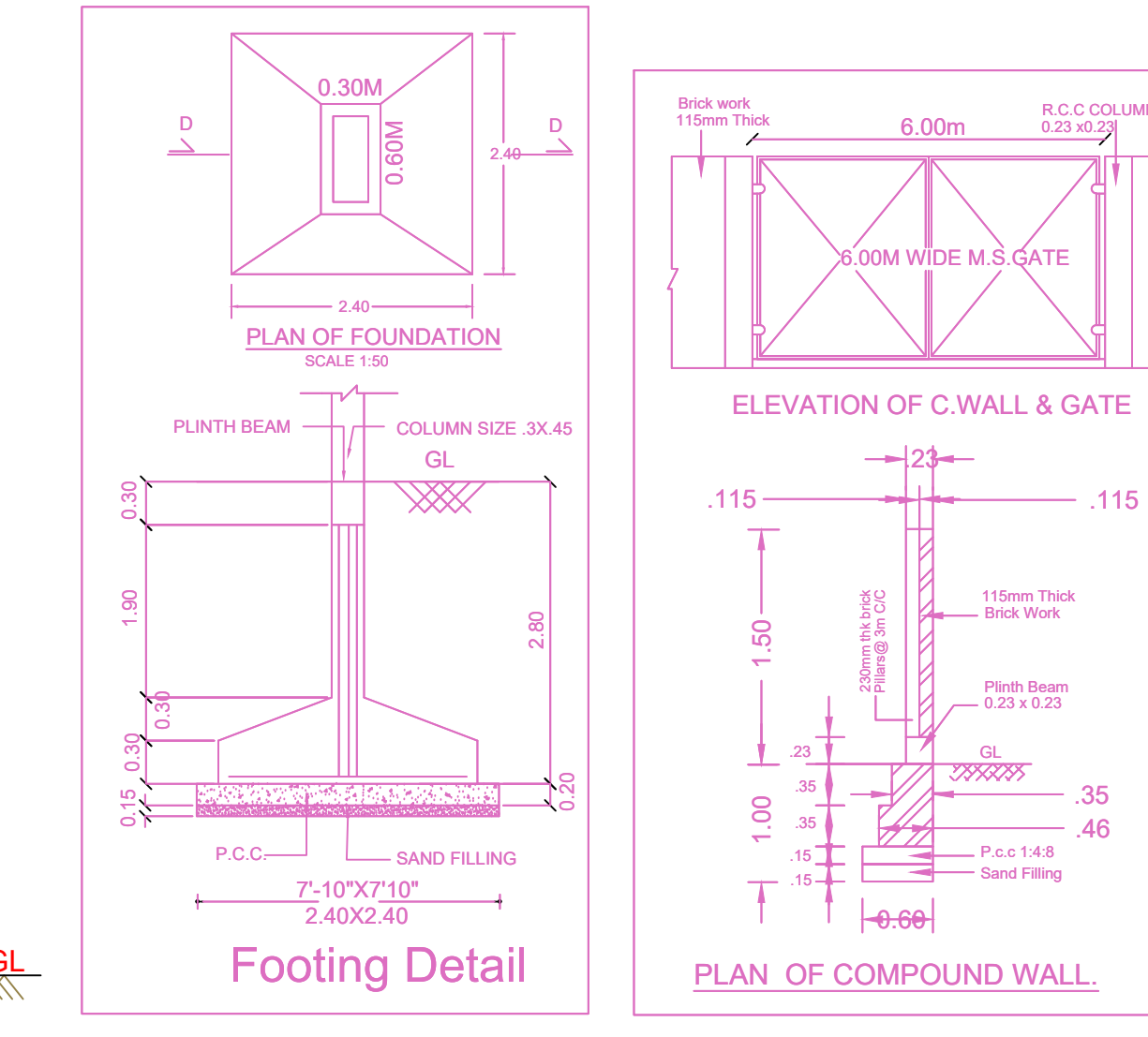
TYPICAL - 1-3 FLOOR PLAN



SOLAR HOT WATER SYSTEM DETAIL

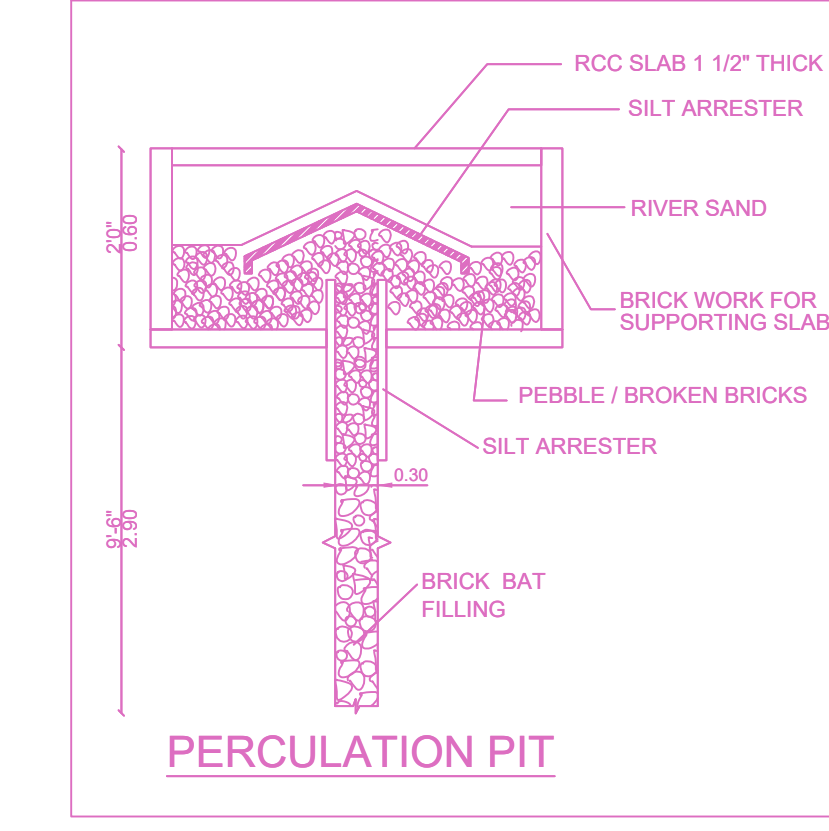


STAIR CASE DETAILS

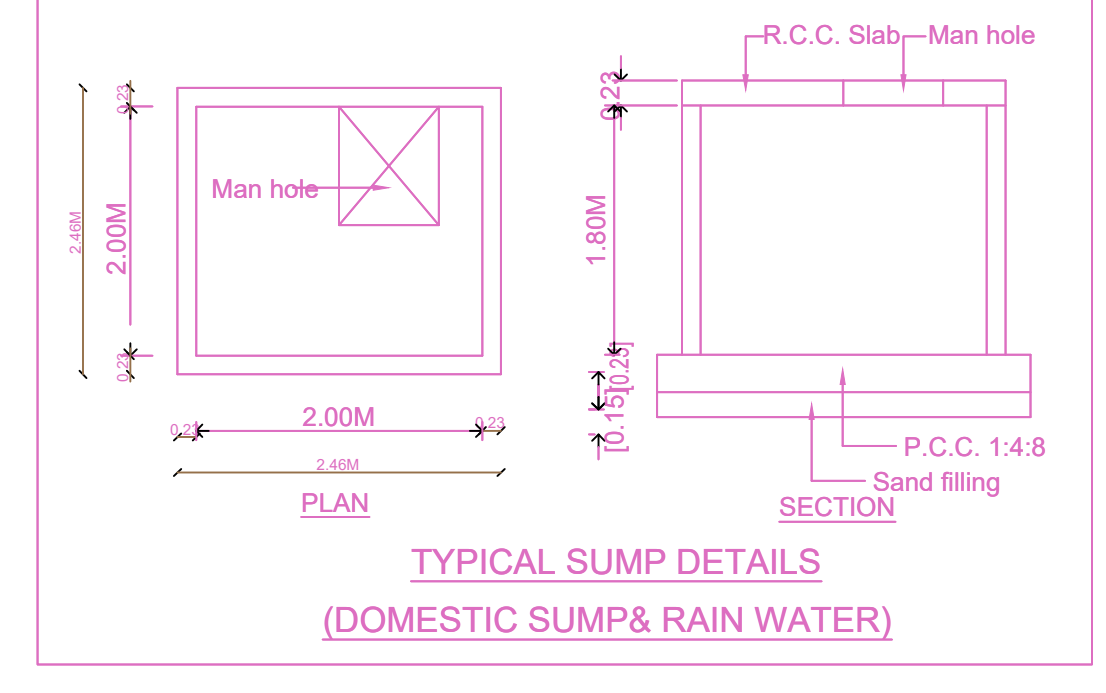


Footing Detail

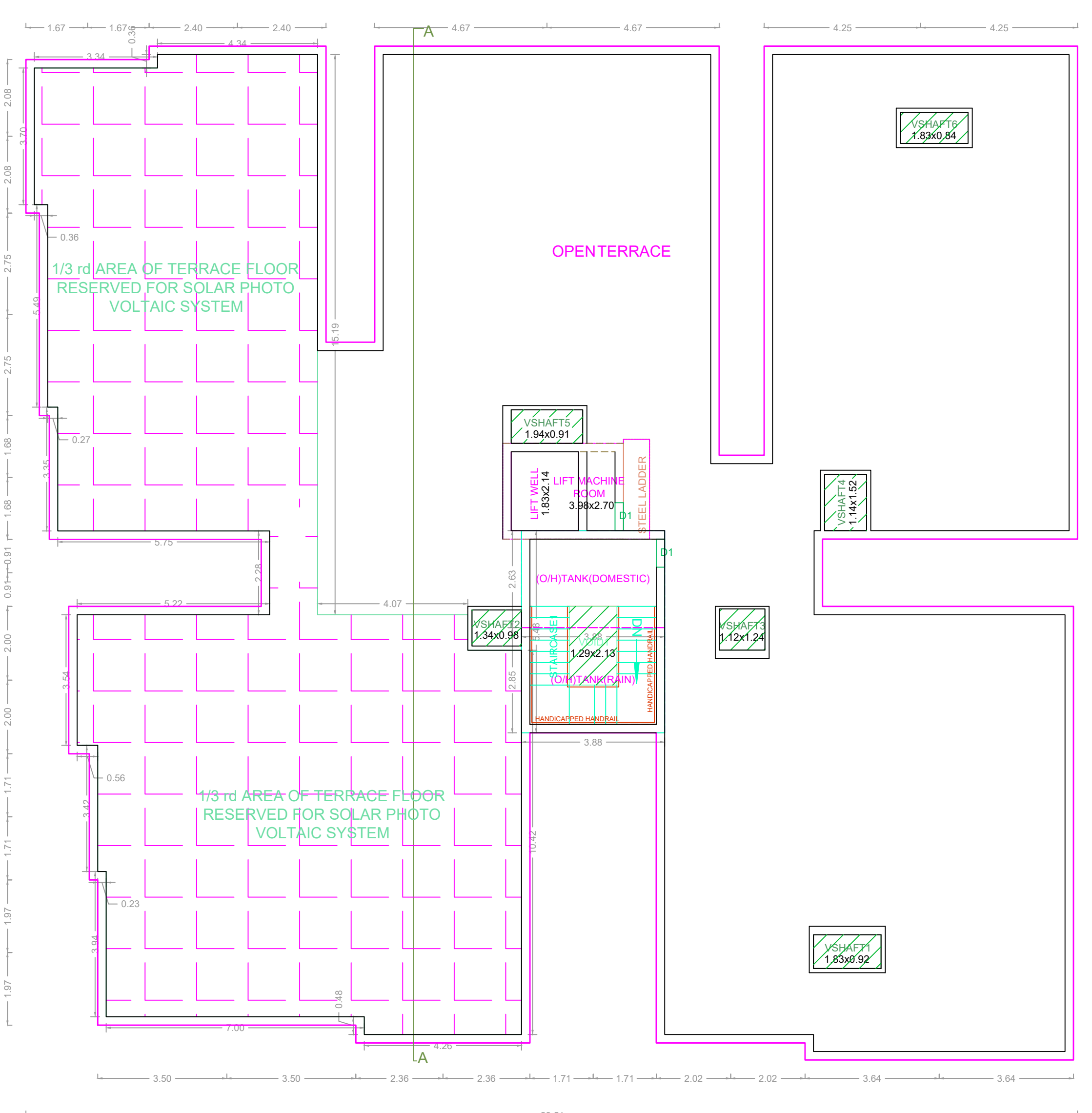
PLAN OF COMPOUND WALL



PERCOLATION PIT



TYPICAL SUMP DETAILS (DOMESTIC SUMP & RAIN WATER)



TERRACE FLOOR PLAN

FLOOR WISE FSI STATEMENT: HRB (RES)

FLOORS	FSI AREA				DU	TOTAL FSI AREA
	COMM.	RESI.	IND.	INST.		
STILT PARKING FLOOR	0.00	28.81	0.00	0.00	0	28.81
FIRST FLOOR	0.00	652.55	0.00	0.00	5	652.55
SECOND FLOOR	0.00	652.55	0.00	0.00	5	652.55
THIRD FLOOR	0.00	652.55	0.00	0.00	5	652.55
Terrace	0.00	0.00	0.00	0.00	0	0.00
<b>Total</b>	<b>0.00</b>	<b>1986.46</b>	<b>0.00</b>	<b>0.00</b>	<b>15</b>	<b>1986.46</b>

BUILDING WISE FSI STATEMENT

BUILDING	NO OF SAME BUILDING	FSI AREA				DU	TOTAL FSI AREA
		COMM.	RESI.	IND.	INST.		
HRB-1 (RES)	1	0.00	1986.46	0.00	0.00	15	1986.46
<b>Total</b>	<b>1</b>	<b>0.00</b>	<b>1986.46</b>	<b>0.00</b>	<b>0.00</b>	<b>15</b>	<b>1986.46</b>

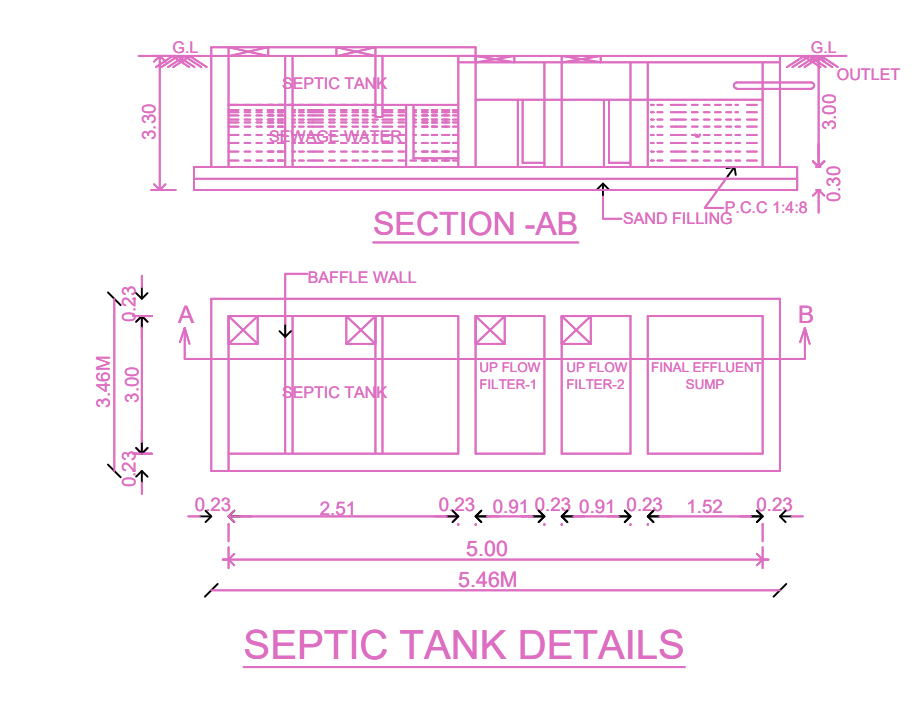
DESIGN OF SEPTIC TANK WITH UPFLOW FILTER CALCULATION

TOTAL NO. OF FLATS OR DWELLINGS > 15  
 ASSUMING 5 PERSONS FOR FLATS > 15x5=75 say 80  
 NO. OF PERSONS > 80  
 NO. OF USERS ASSUMING > 80x2=160 UNITS.  
 2 FIXTURES PER FLAT > 80x2=160 UNITS.  
 PER HOUR DISCHARGE > 160x6=960 LPM.

SEPTIC TANK SURFACE AREA NEEDED > 960X0.92/10 = 88.32 SAY 9.00M

VOLUME OF SEDIMENTATION:  
 ASSUMING 0.30M DEPTH 9X0.3M = 2.70M<sup>2</sup>  
 FOR DIGESTION 1000X0.032 = 3.20M<sup>2</sup>  
 FOR SLUDGE STORAGE 0.0002X365X115 = 8.39M<sup>2</sup>  
 FREE BOARD FOR SLUDGE 5X0.3M = 1.50M<sup>2</sup>  
 DEPTH = VOLUME / AREA = 1.40M

SIZE OF SEPTIC TANK 5.00X3.00X3.00  
 UPFLOW FILTER  
 LIQUID DEPTH OF SEPTIC TANK = 3.00M  
 UPFLOW FILTER DEPTH ALLOWING 0.32M FREE BOARD 1.4 - 0.3 = 1.10M  
 AREA NEEDED = 1.10 = 1.10M<sup>2</sup>  
 SIZE OF UPFLOW FILTER 1.50X1.50M  
 UPFLOW NO-1 = 0.91X1.50X1.36M  
 UPFLOW NO-2 = 0.91X1.50X1.36M



SEPTIC TANK DETAILS

APPROVAL CONDITION

SCALE 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY  
 APPROVED

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

For Check/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. 7688

QR CODE