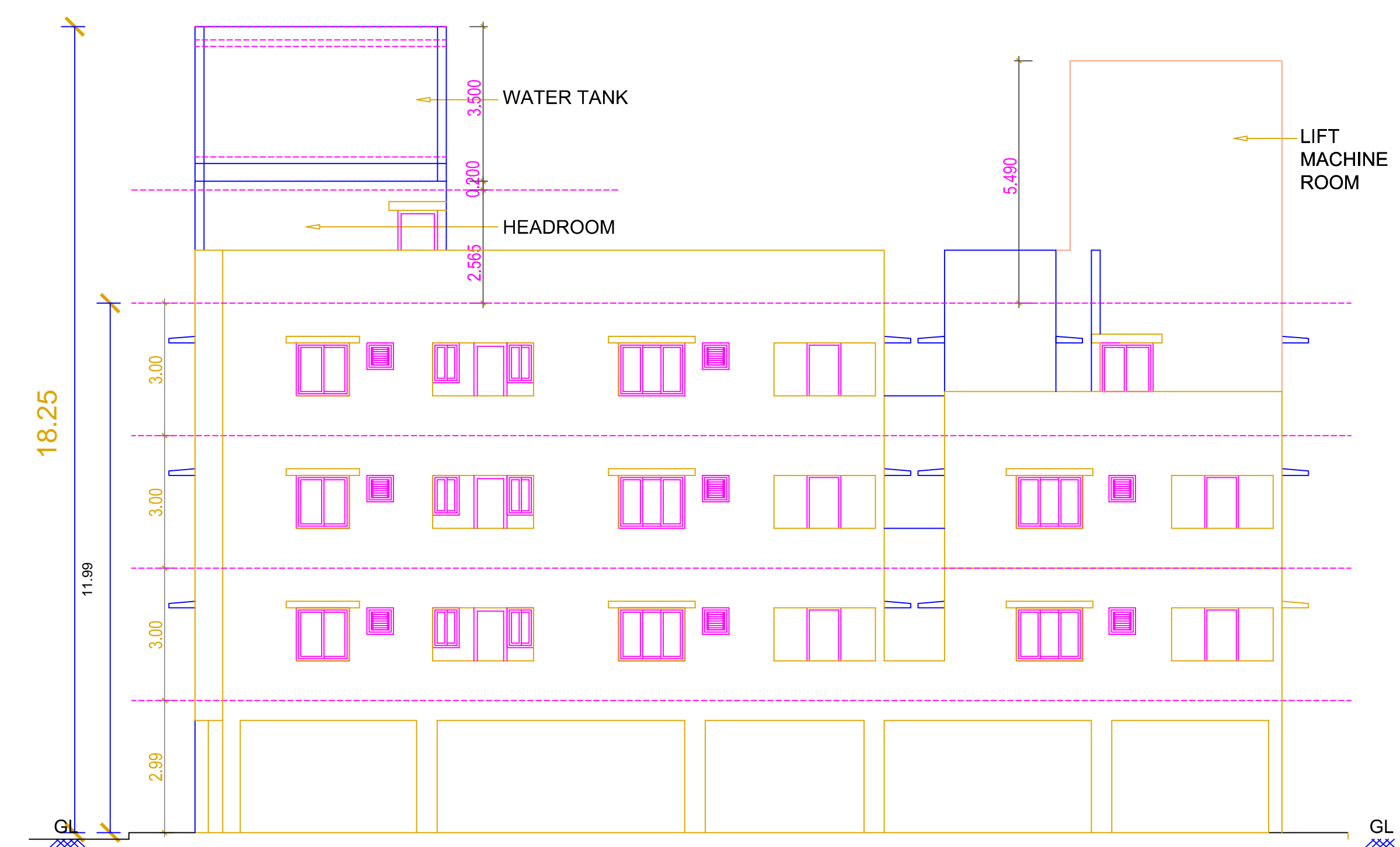
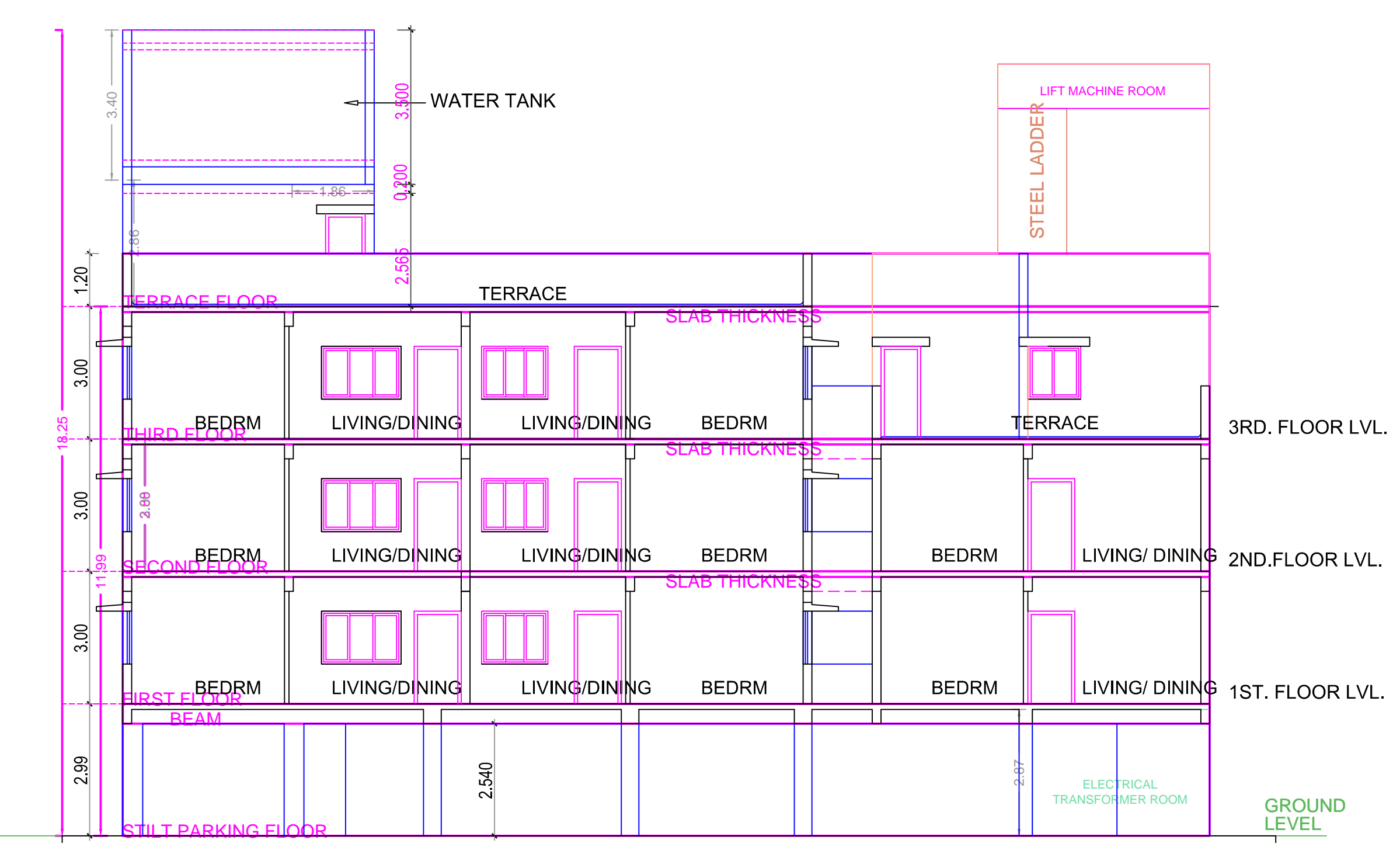


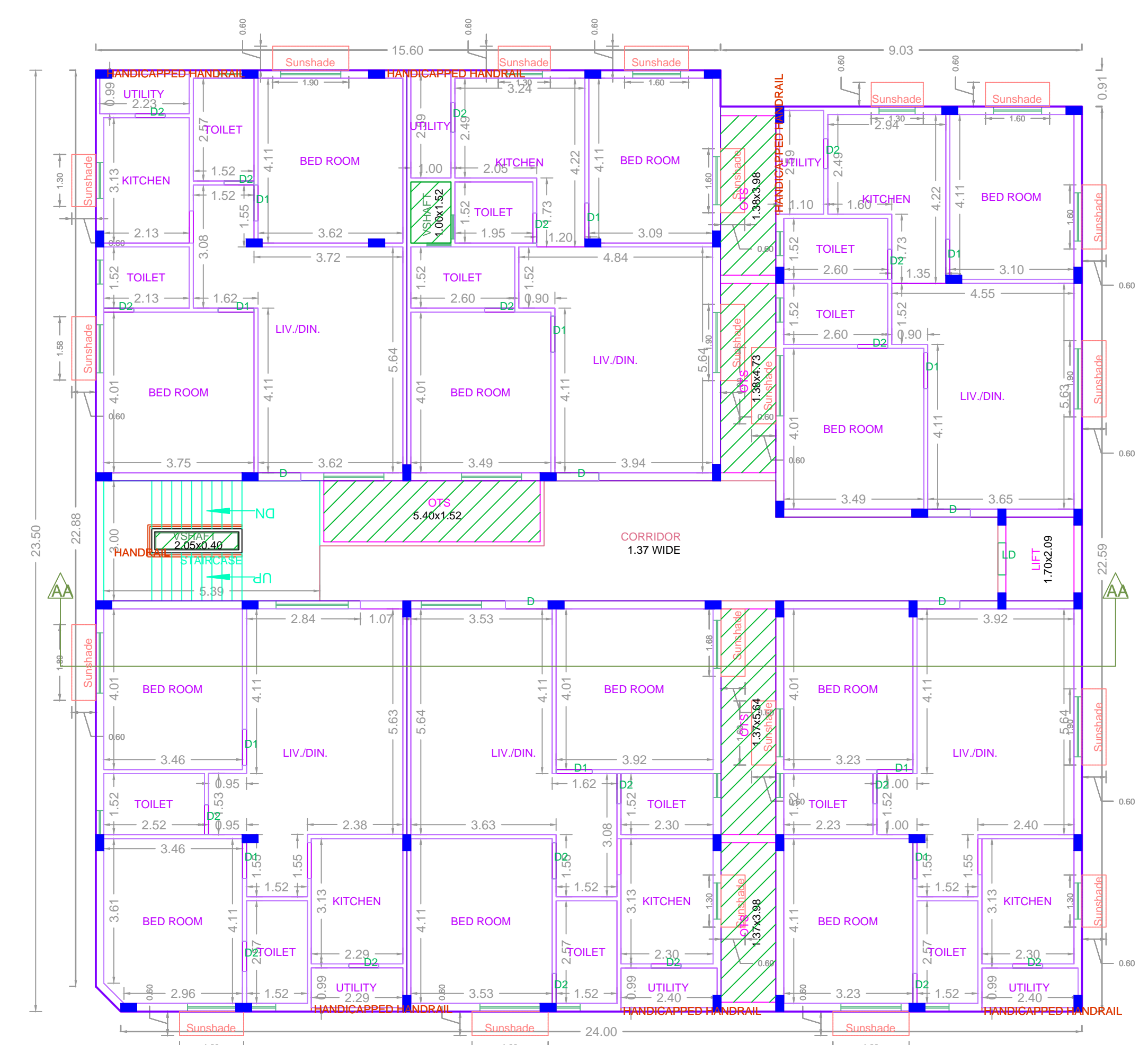
SITE PLAN



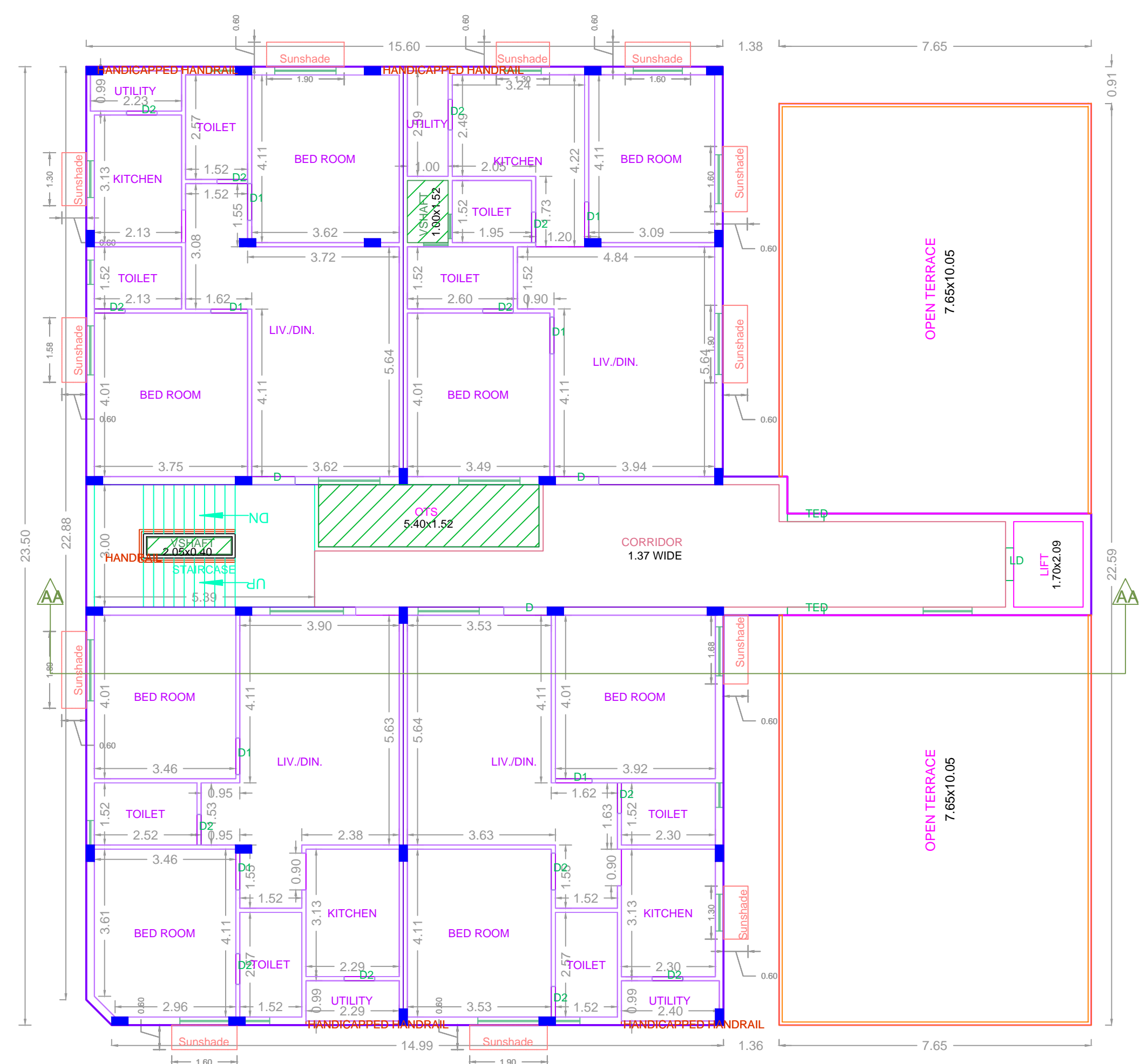
ELEVATION



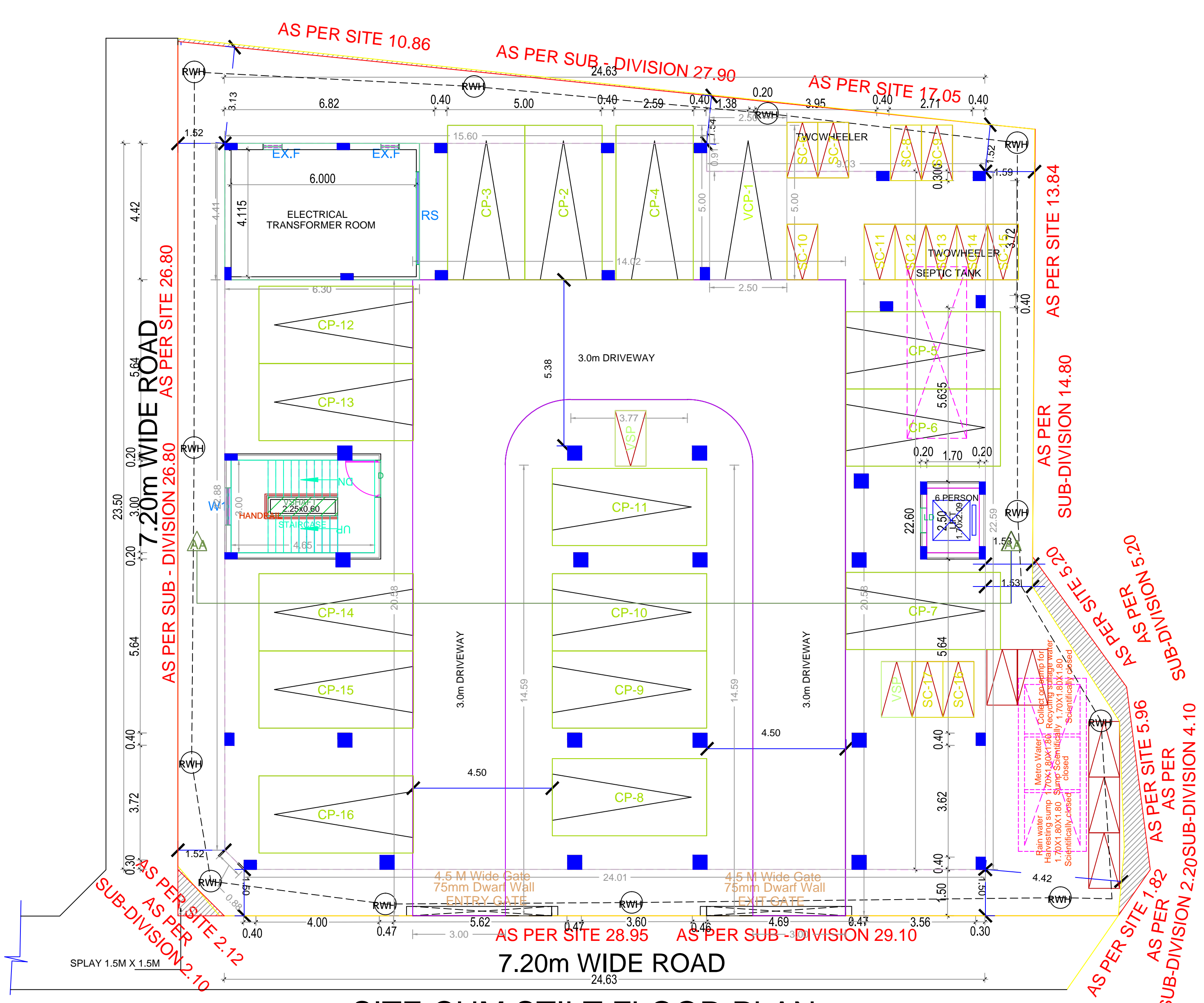
SECTION - AA



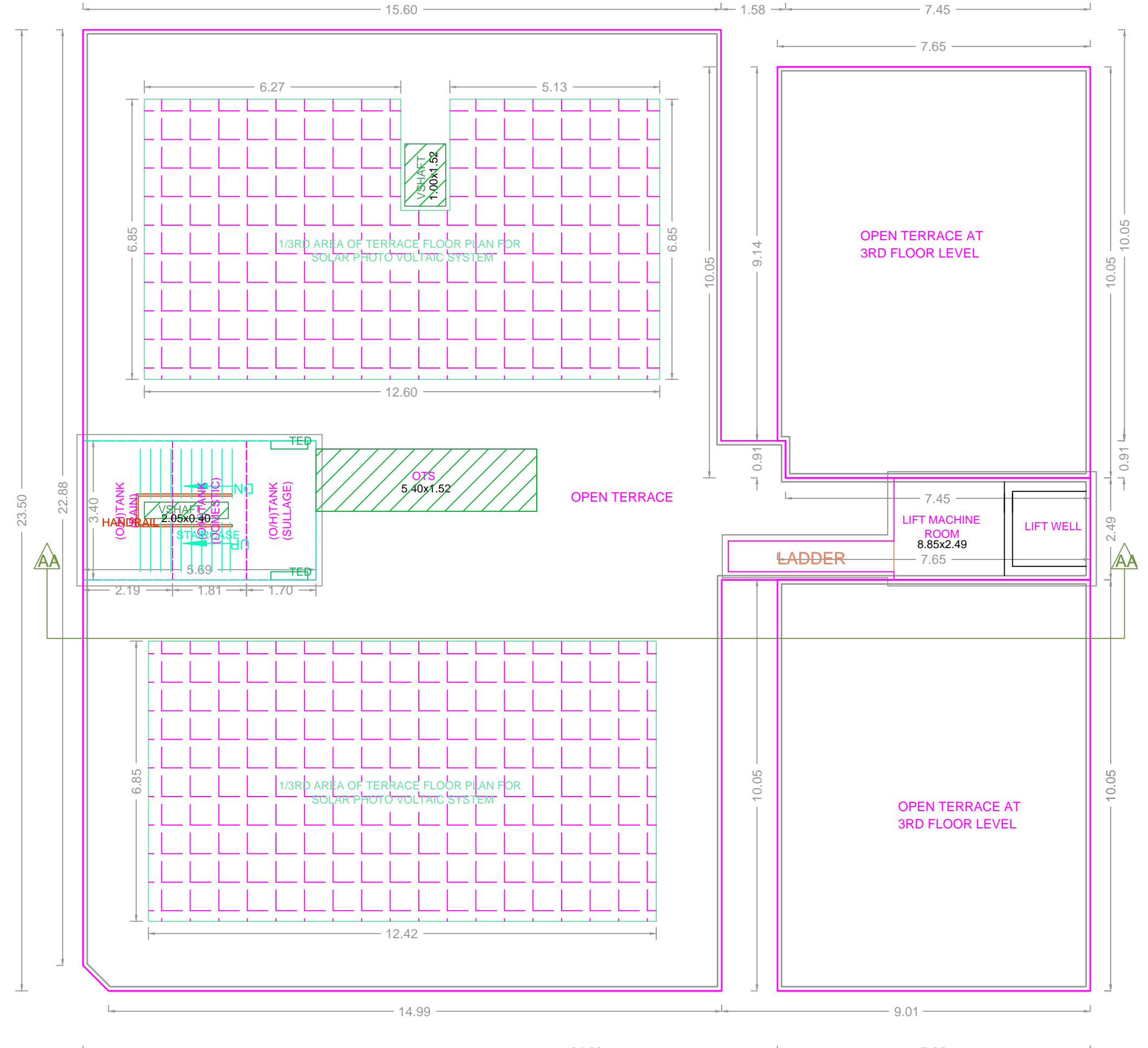
TYPICAL - 1 & 2 FLOOR PLAN



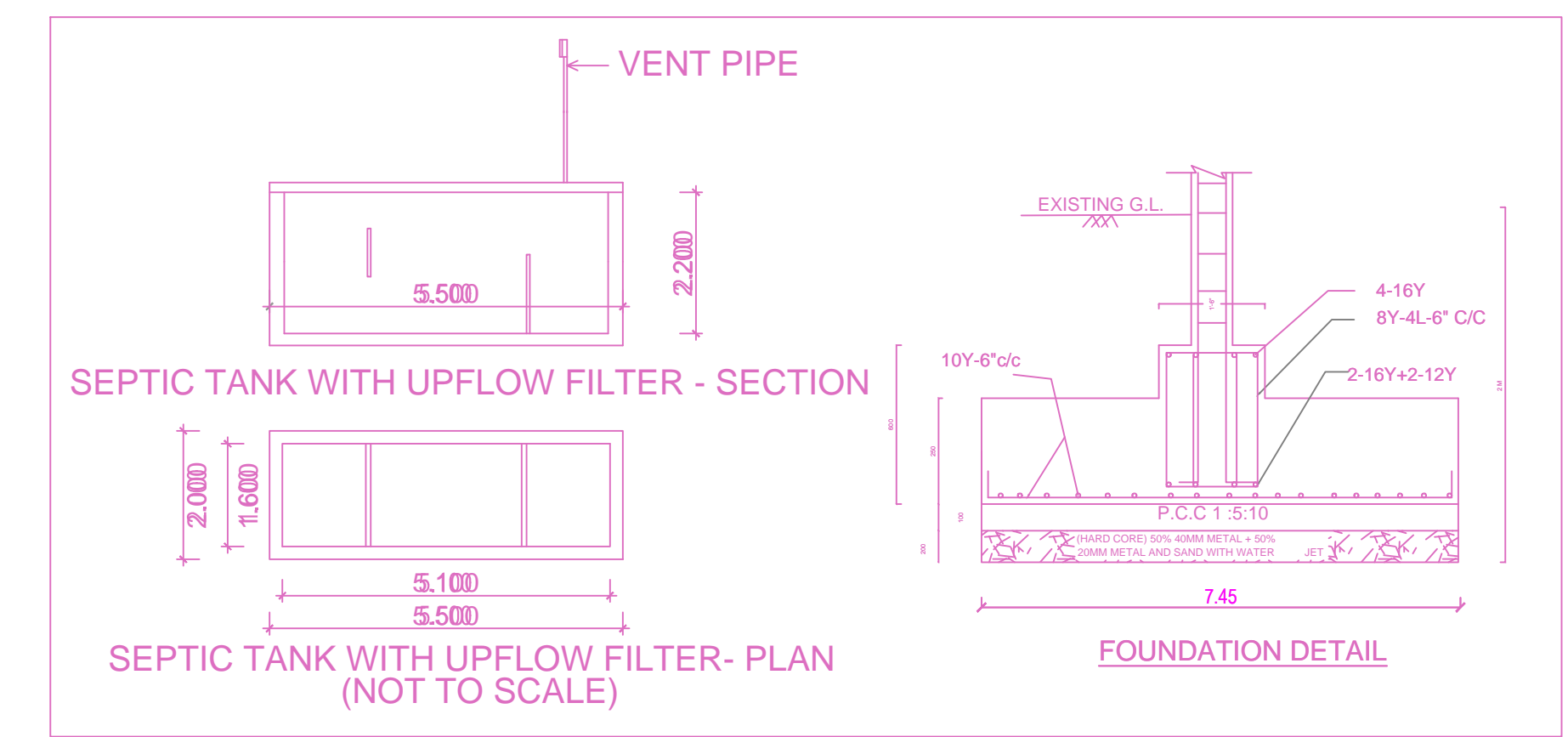
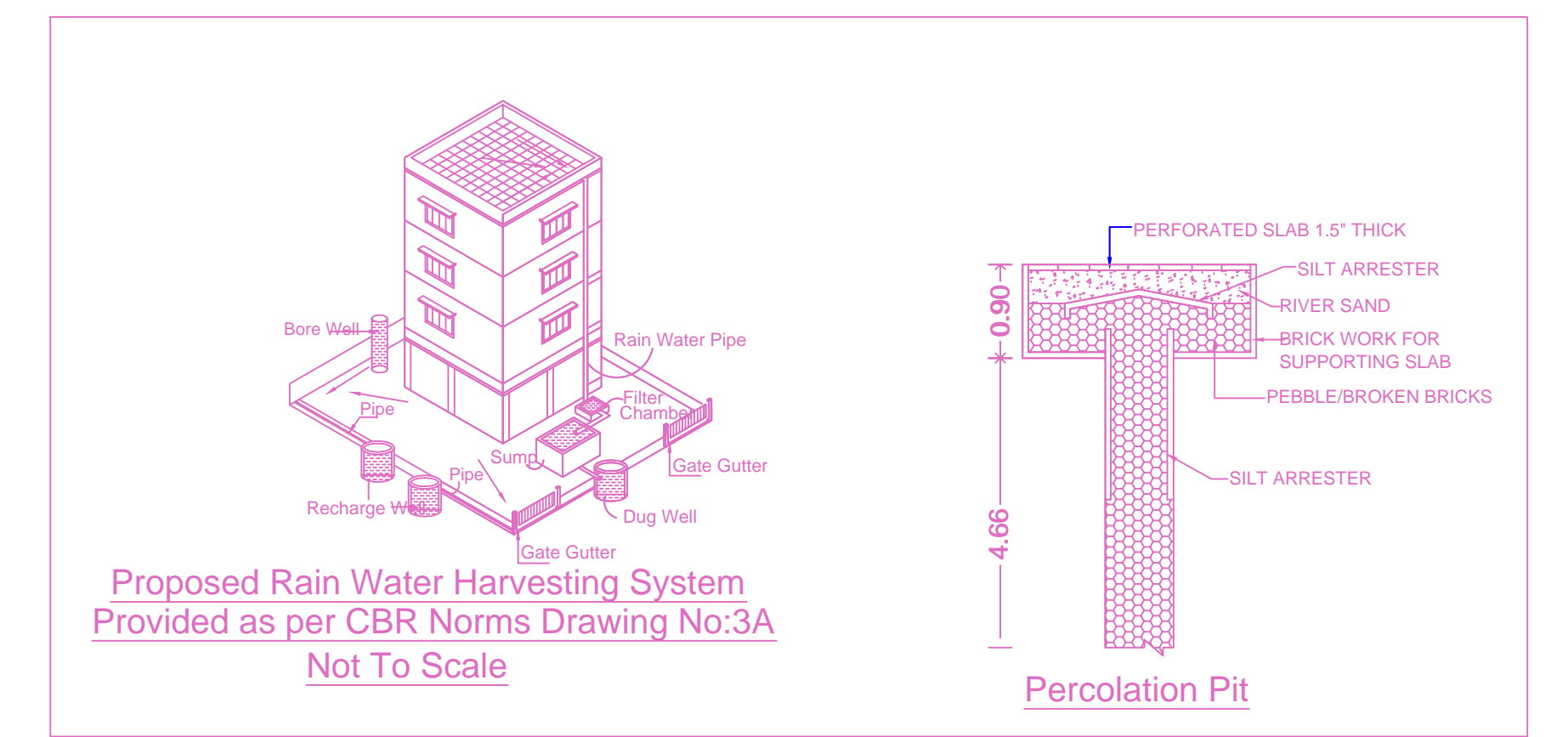
THIRD FLOOR PLAN



SITE CUM STILT FLOOR PLAN



TERRACE FLOOR PLAN



SEPTIC TANK CALCULATION

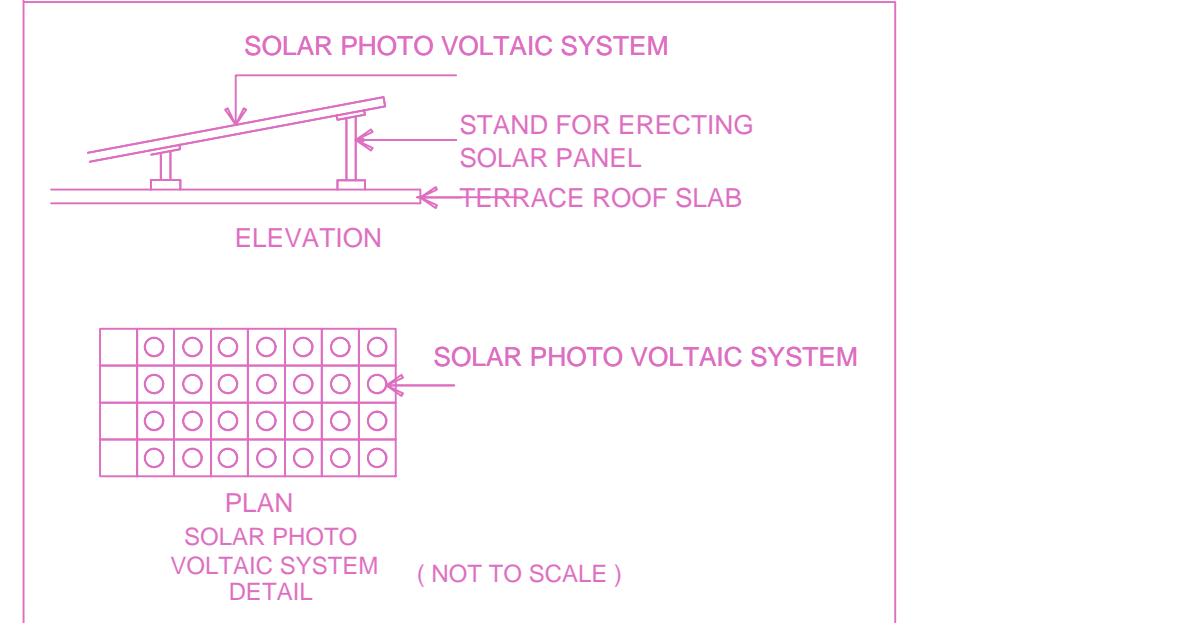
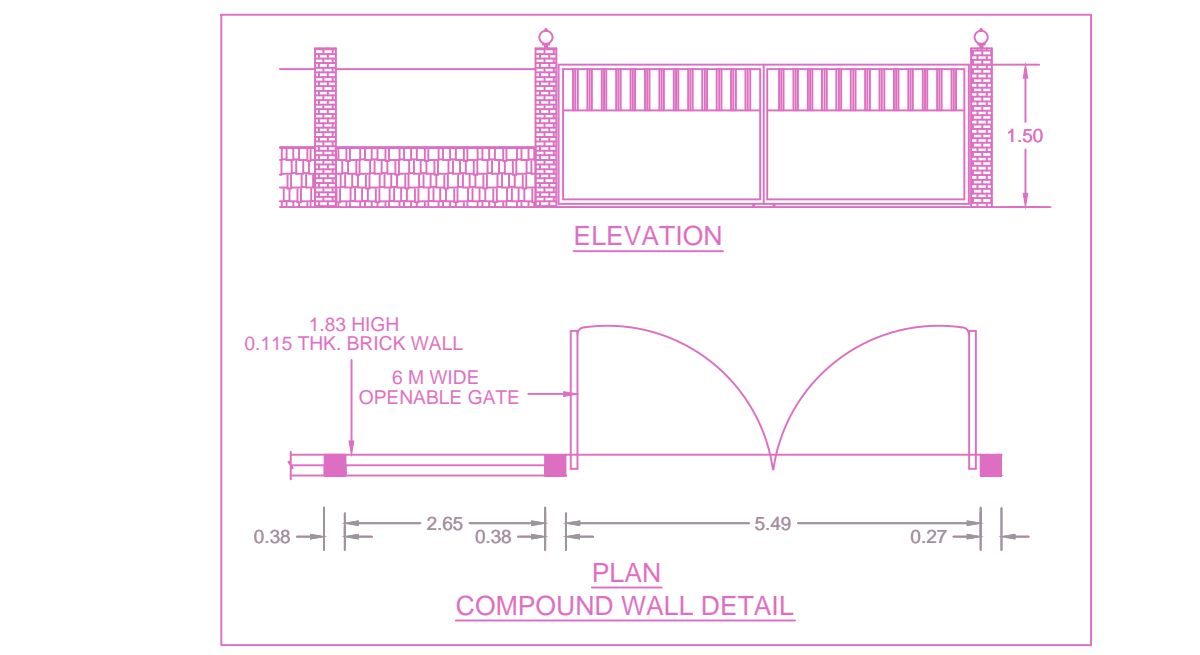
Design of Septic tank with up flow filter:

- No. of Dwelling Units = 16 Units
- No. of Users per Dwelling Per Unit(3BHKK) = 05 Numbers
- No. of Users Assuming as 20 X5 = 80 Nos.
- Assuming 2 Fixtures per toilet, hence - 80 X 2 = 160 Units.
- Per Hour Discharge is - 160 X 6 = 960 Lts.
- Surface Area needed = 9600 X 0.92/10 = 88.32
- Volume of Sedimentation Assuming 0.30M depth (88.32 X 0.3 M) = 26.50 M3
- For Digestion (500 X 0.033) = 16.50 M3
- For Sludge Storage (0.00021 X 365 X 25) = 1.825M<sup>3</sup>
- Free board for Sludge (53 X 0.3M) = 15.9M3
- Depth (V/V) = 75 = 1.40M

PROVIDED

SIZE OF SEPTIC TANK = 5.10 X 1.60 X 2.20

Up flow Filter:  
Liquid depth of septic tank = 2.5m  
Up flow filter depth / Allowing 0.30m as Free board 1.4 - 0.3 = 1.10m  
Area needed = 1.10 / 1.10 = 1.0m  
Size of Up flow filter 2.0 X 2.0  
Up flow = 1.0 X 2.0 X 1.5M x 2 Nos.



APPROVAL CONDITION

SCALE 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY

APPROVED

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

KEY NO. 4788

OR CODE

BUILDING WISE FSI STATEMENT

BUILDING	NO OF SAME BUILDING	COMM.	RESL.	IND.	SPEC.	DU	FSI AREA	TOTAL
NHRB-1 (RES)	0.00	1477.06	0.00	0.00	0.00	16	1477.06	
Total	0.00	1477.06	0.00	0.00	0.00	16	1477.06	

FLOOR WISE FSI STATEMENT: NHRB (RES)

FLOORS	COMM.	RESL.	IND.	SPEC.	DU	FSI AREA	TOTAL
Terrace	0.00	0.00	0.00	0.00	0	0.00	
THIRD FLOOR	0.00	379.94	0.00	0.00	4	379.94	
SECOND FLOOR	0.00	534.65	0.00	0.00	6	534.65	
FIRST FLOOR	0.00	534.65	0.00	0.00	6	534.65	
STILT PARKING FLOOR	0.00	27.82	0.00	0.00	0	27.82	
Total	0.00	1477.06	0.00	0.00	16	1477.06	

