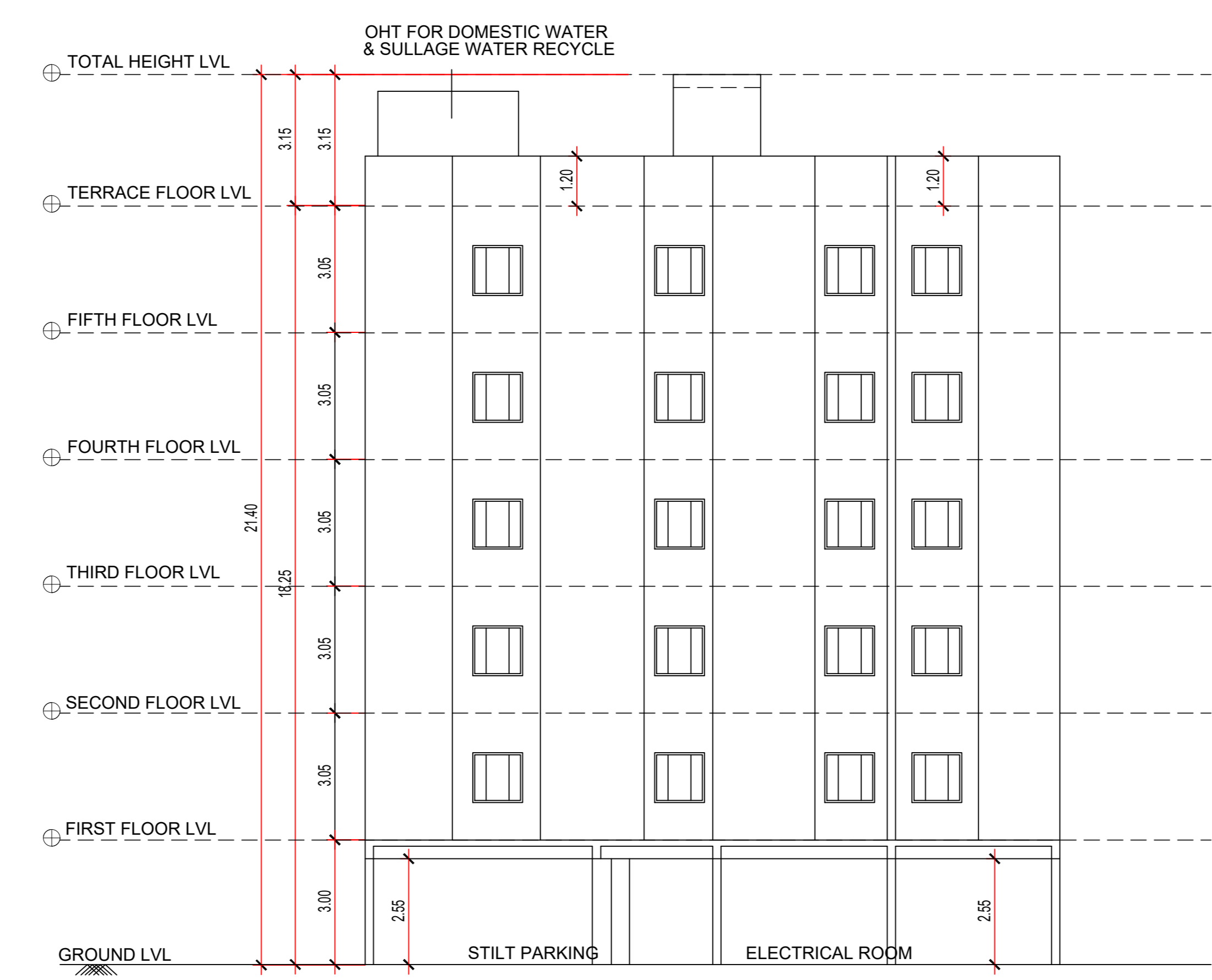
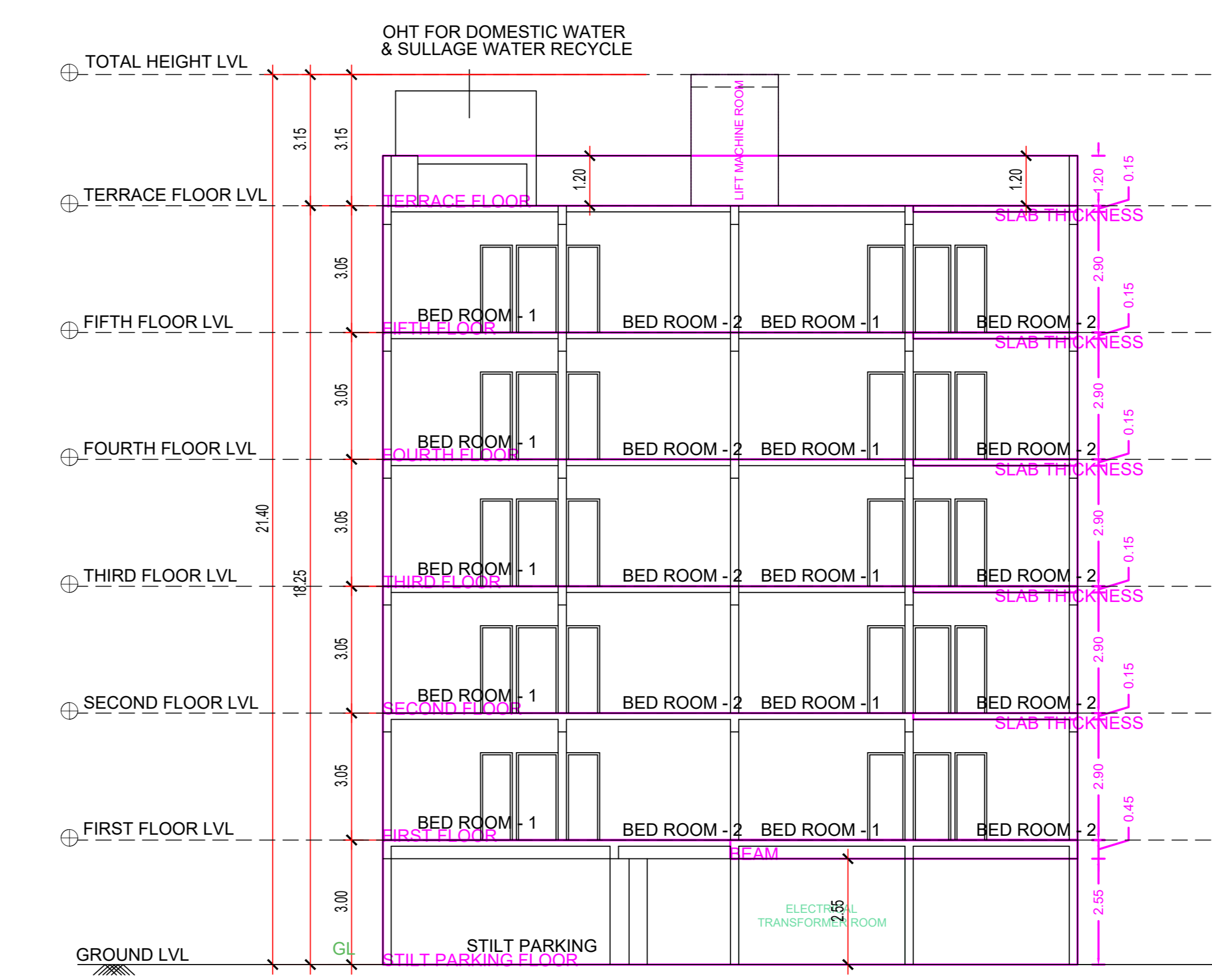


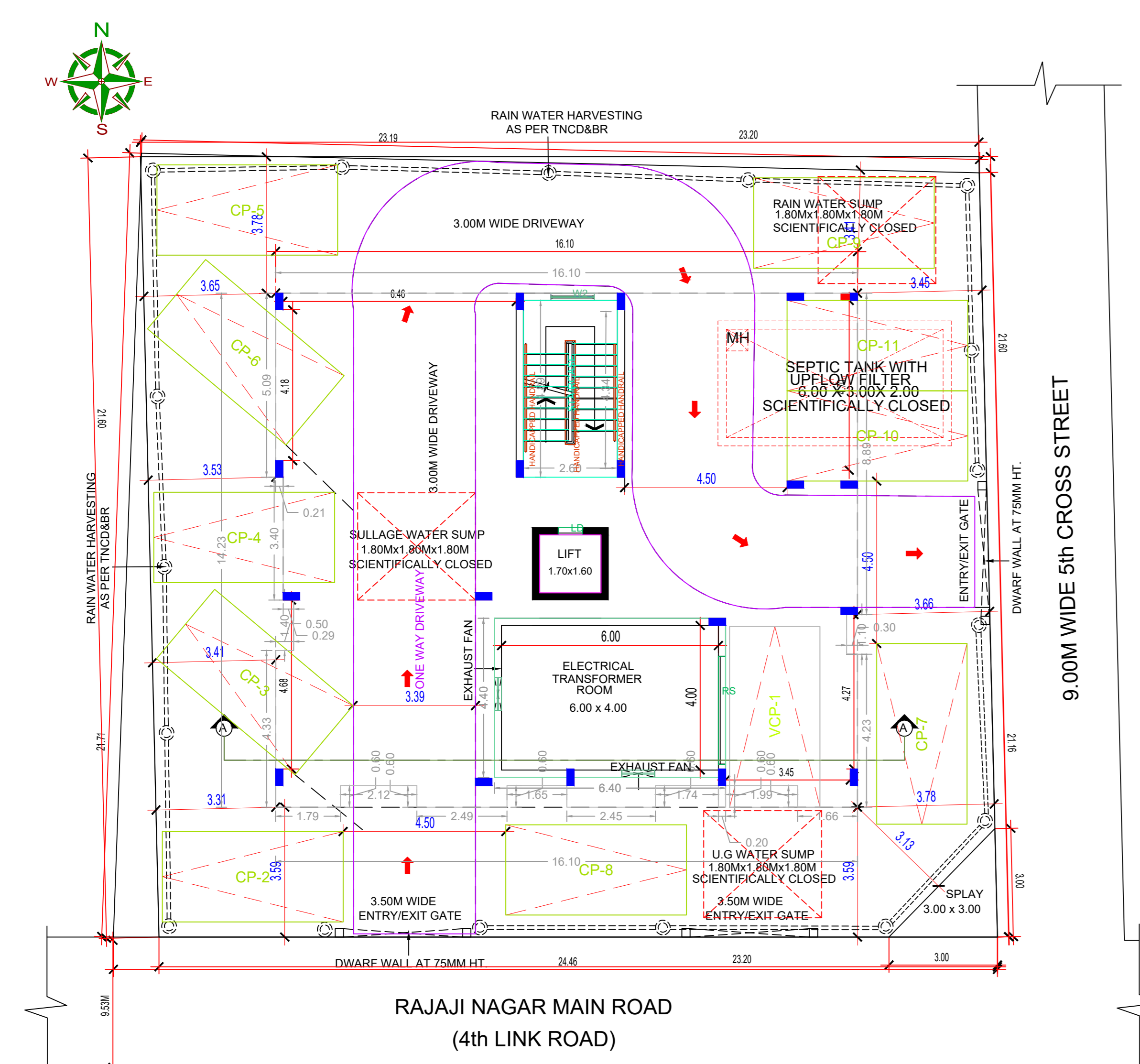
SITE PLAN



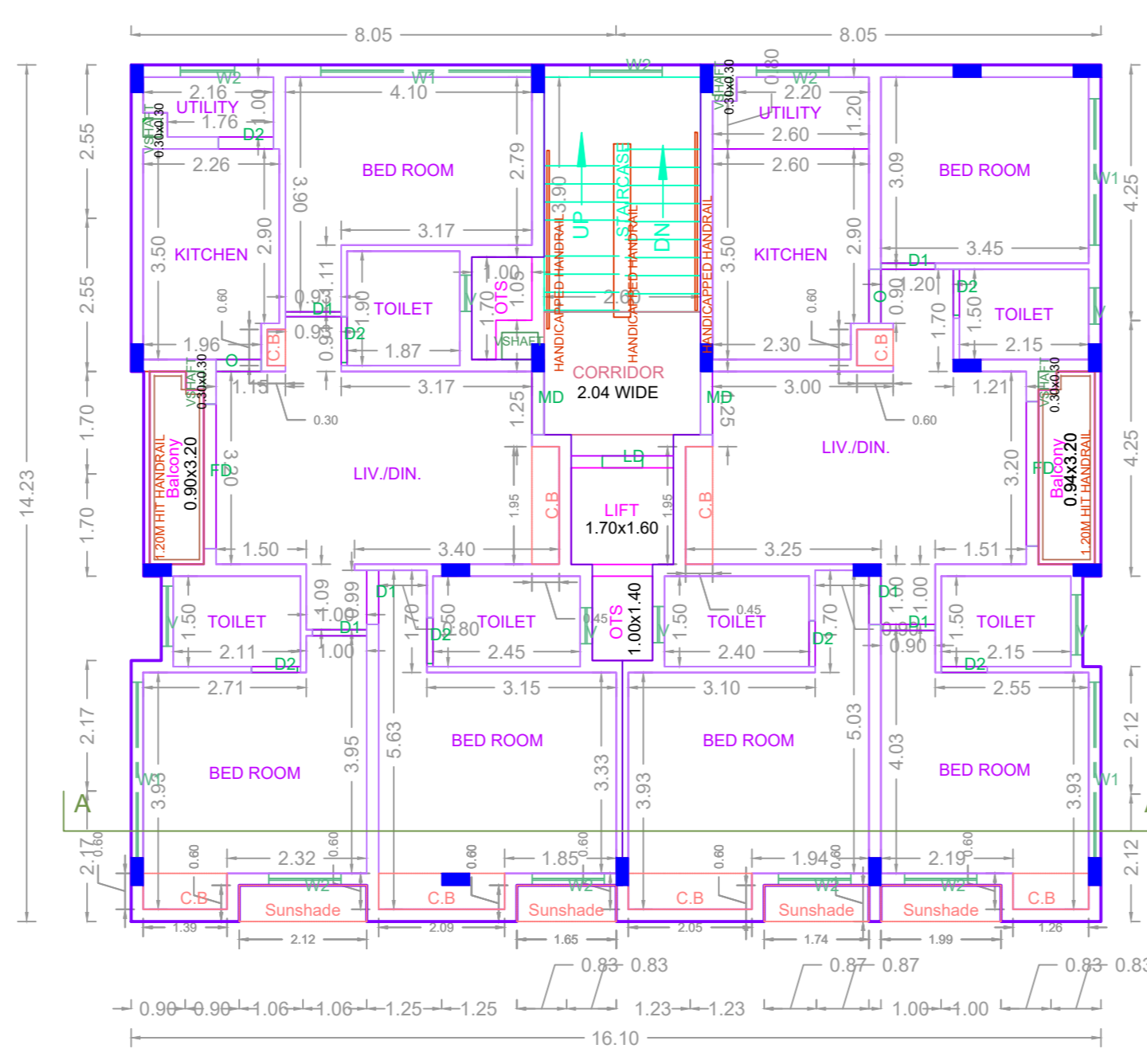
FRONT ELEVATION



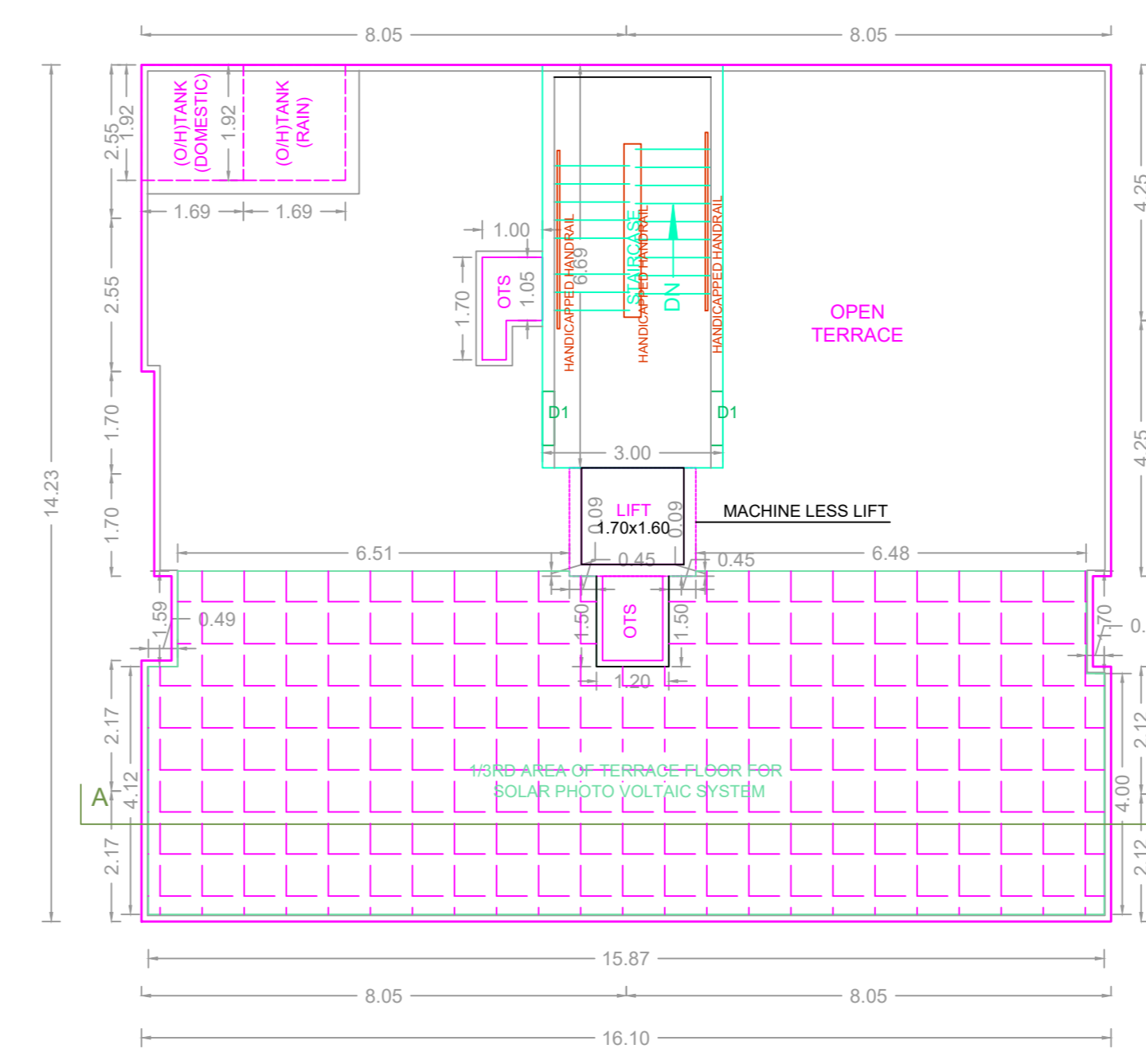
SECTION ALONG A - A



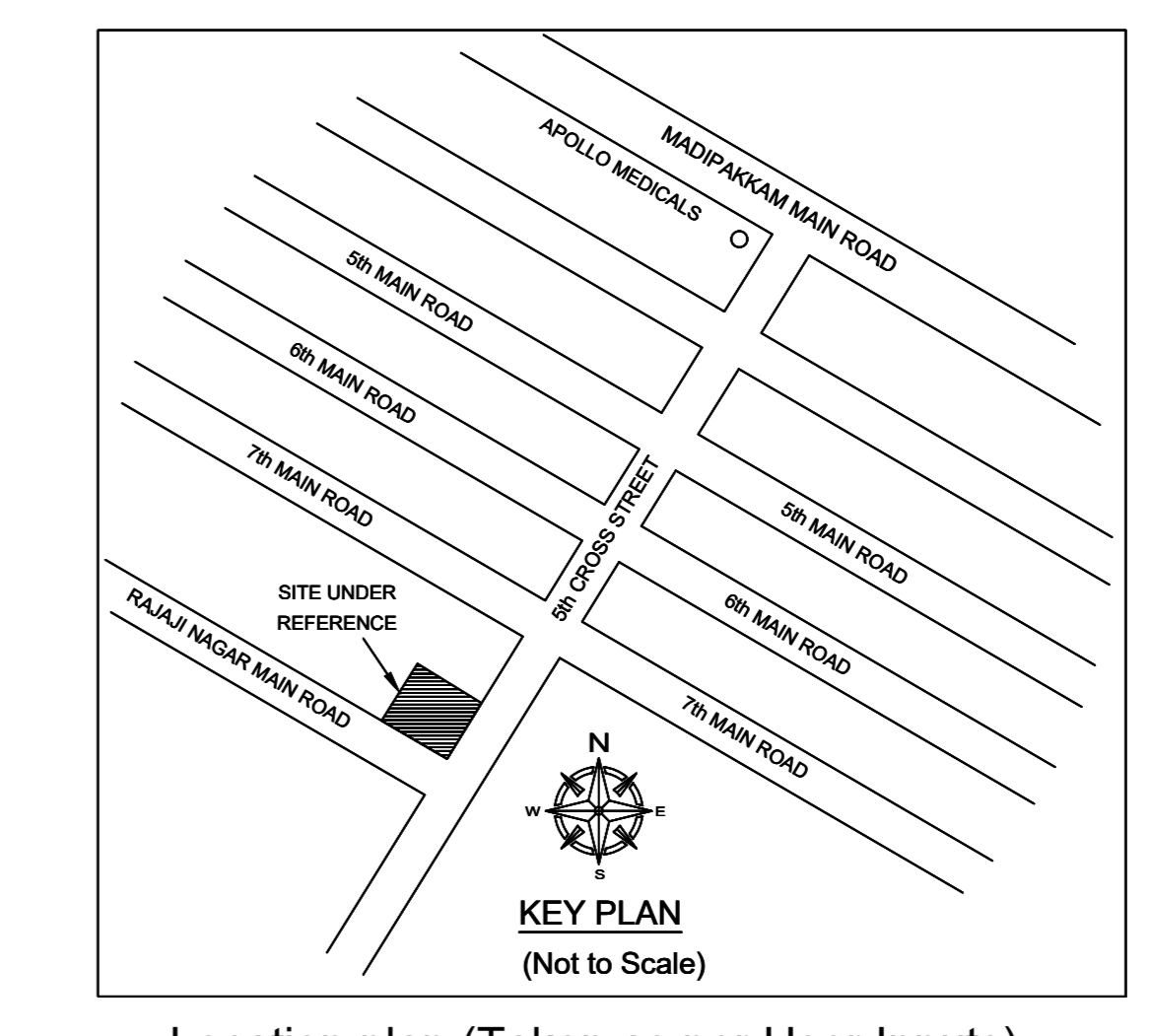
SITE CUM STILT FLOOR PLAN



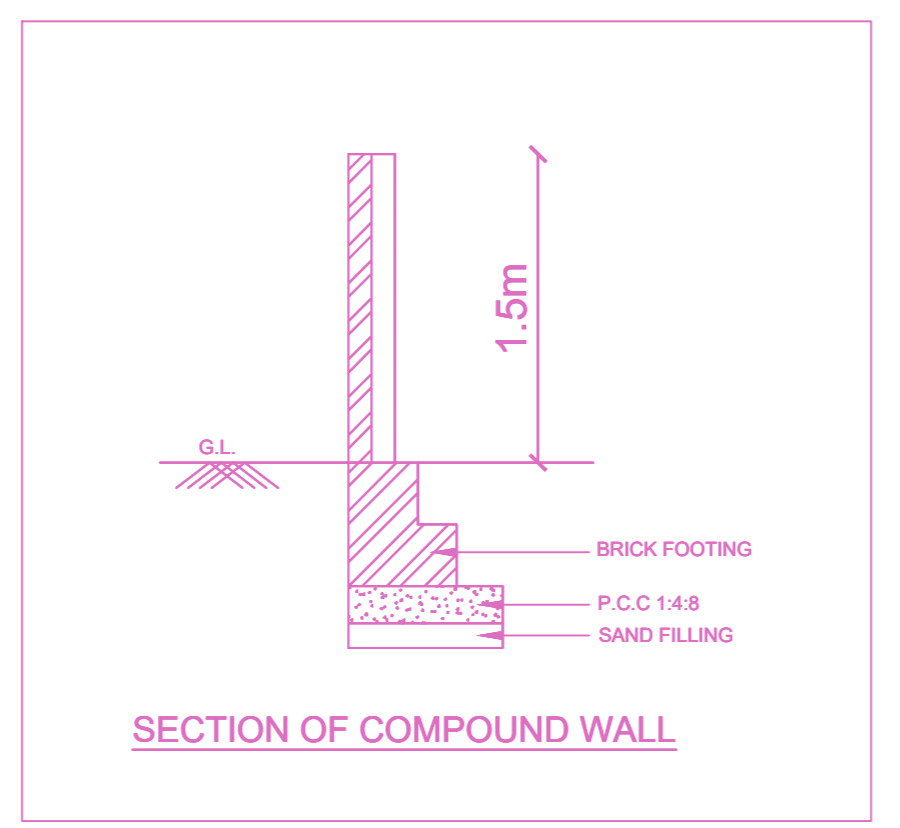
TYPICAL - 1- 5 FLOOR PLAN



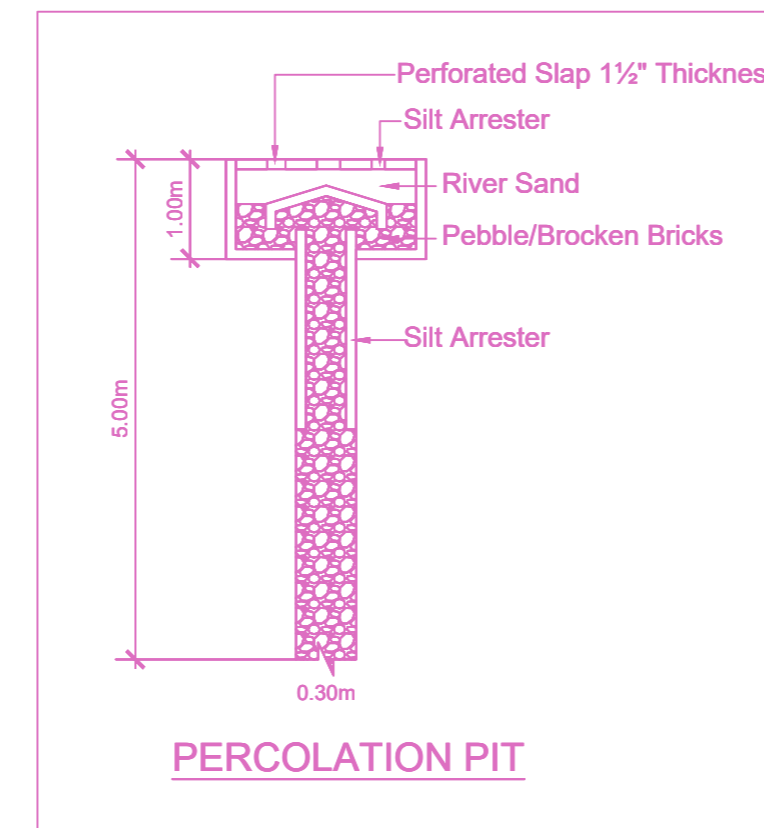
TERRACE FLOOR PLAN



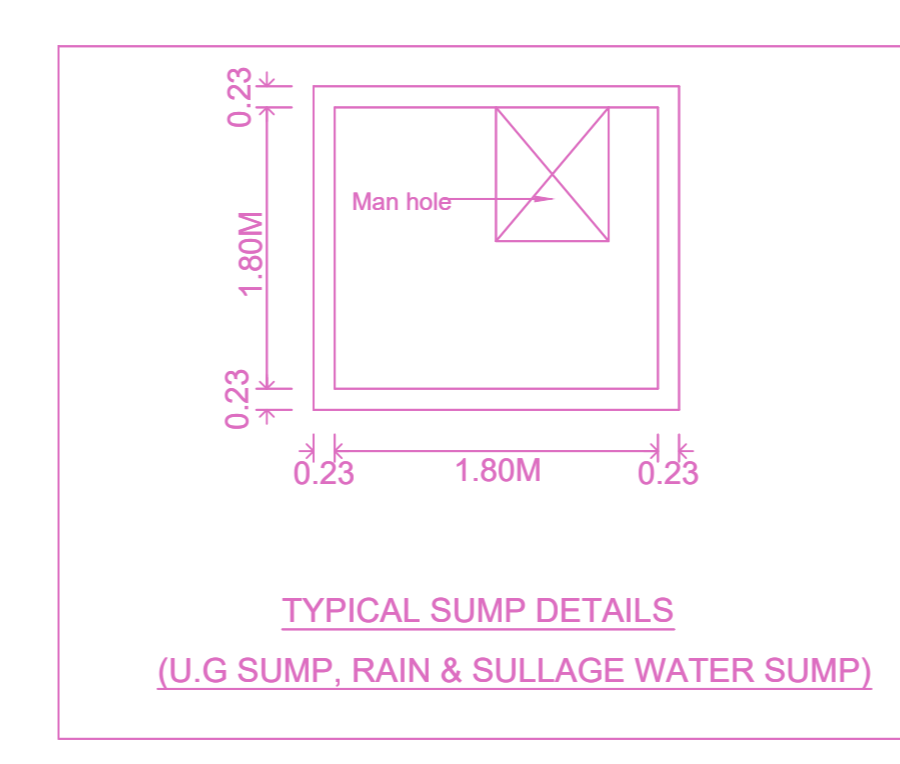
Location plan (Taken as per User Inputs)



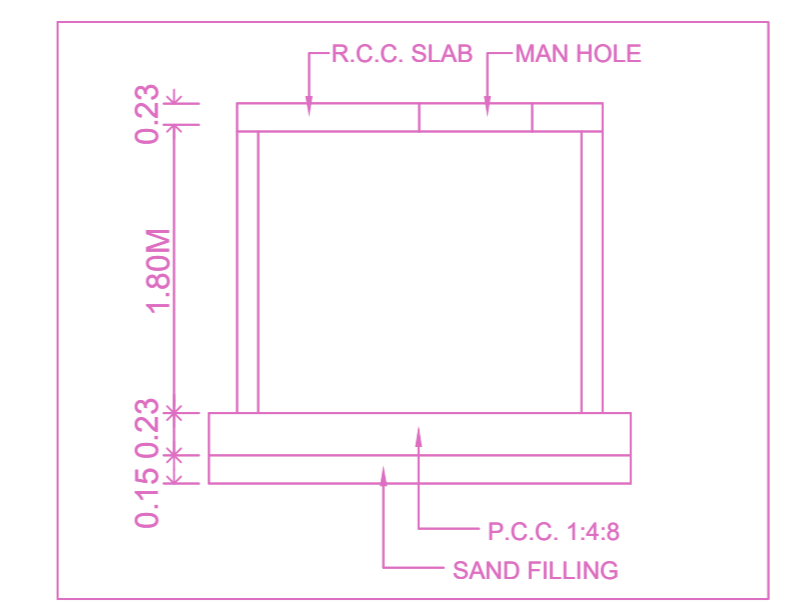
SECTION OF COMPOUND WALL



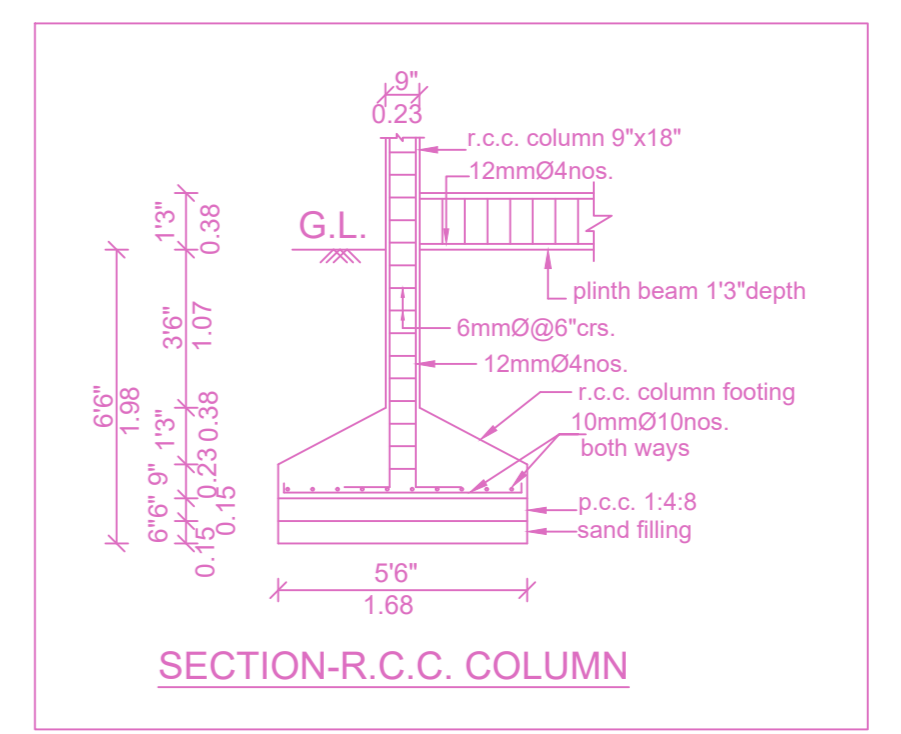
PERCOLATION PIT



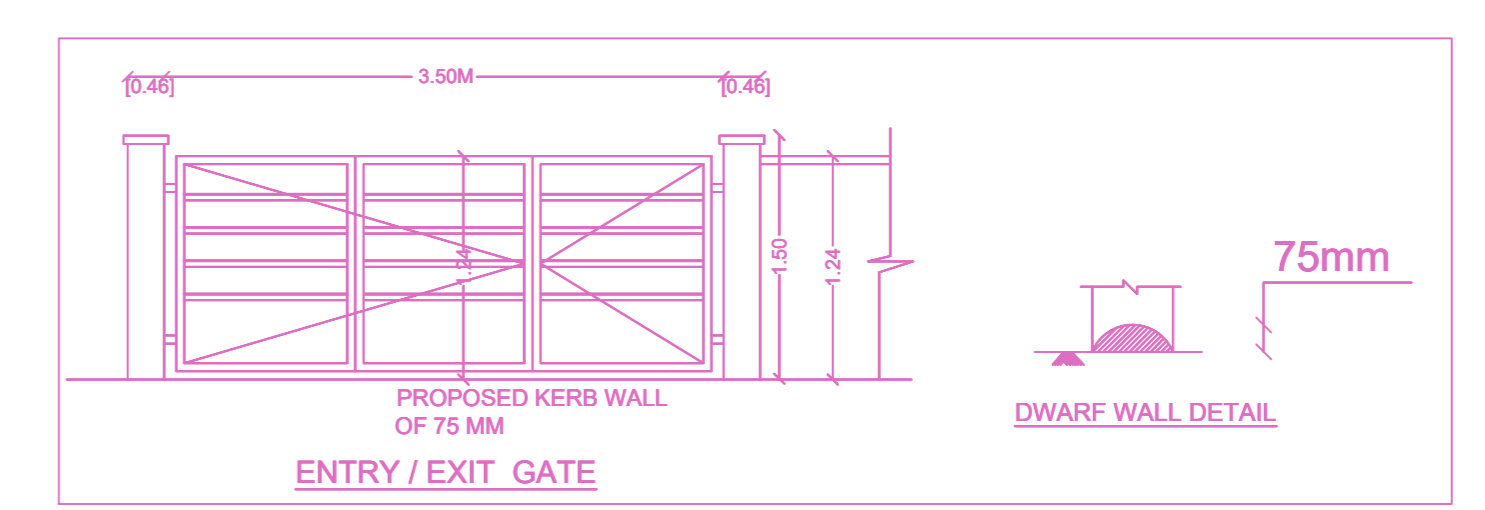
TYPICAL SUMP DETAILS (U.G SUMP, RAIN & SULLAGE WATER SUMP)



R.C.C. SLAB - MAN HOLE



SECTION-R.C.C. COLUMN



PROPOSED KERB WALL OF 75 MM ENTRY / EXIT GATE

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS - RESIDENTIAL BUILDING WITH 10 DWELLING UNITS AT PLOT No. 509, RAJAJI NAGAR MAIN ROAD 4th LINK ROAD & 5TH CROSS STREET, SADASIVA NAGAR, MADIPAKKAM, CHENNAI - 600 091.COMPRISED IN SURVEY No.109/28 OF MADIPAKKAM VILLAGE WITHIN THE LIMITS OF GREATER CHENNAI CORPORATION.

A) AREA STATEMENT		SQ.M.
AREA AS PER PATA		500.00
AREA AS PER DOCUMENT		501.30
AREA CONSIDERED FOR FSI		500.00
STREET ALIGNMENT/ ROAD WIDENING/LINK ROAD		0.00
OSR AREA		0.00
TOTAL FSI AREA		1125.16
FSI FACTOR		2.250
COVERAGE AREA (PERCENTAGE %)		N.A

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

**DESIGN OF SEPTIC TANK WITH UPFLOW FILTER FOR 15 DWELLINGS**

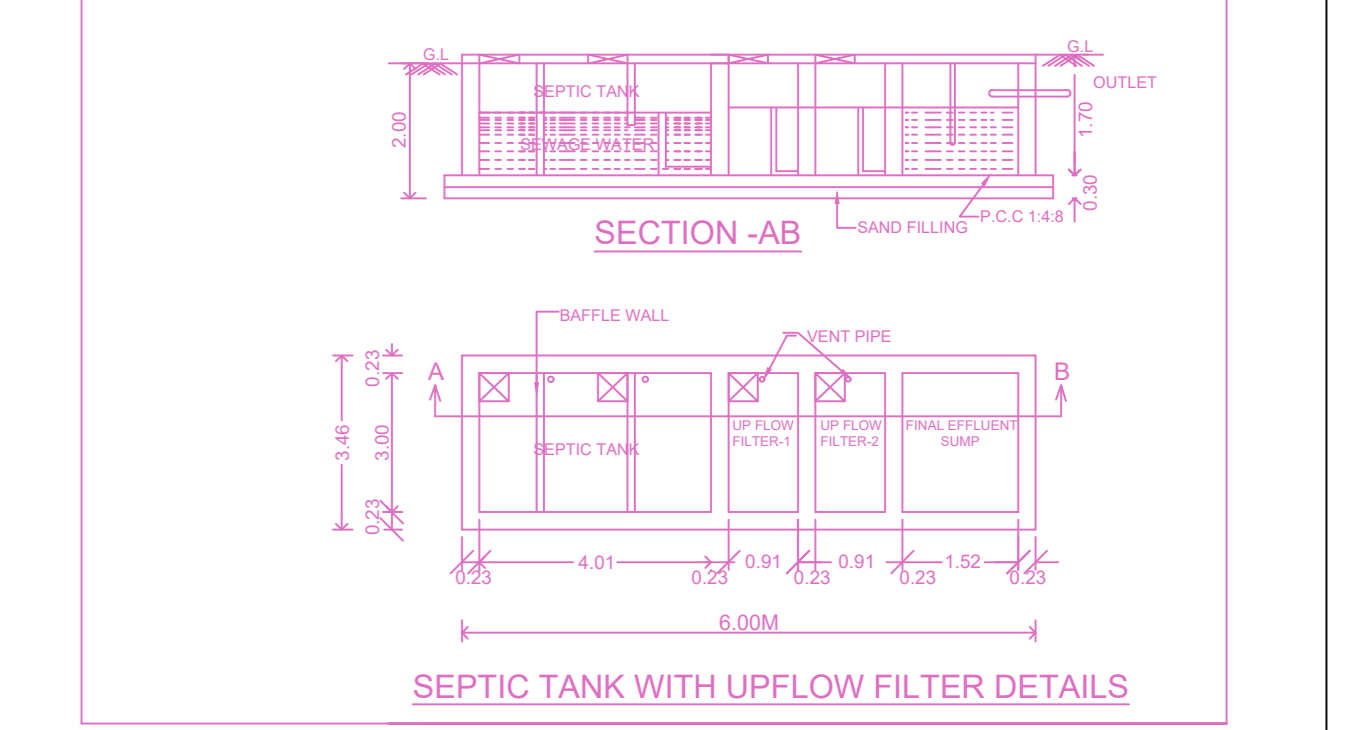
NO. OF FLATS OR DWELLINGS > 10  
 ASSUMING 5 PERSONS FOR FLATS > 10X5=50  
 NO. OF PERSONS > 50  
 NO. OF USERS ASSUMING 2 FIXTURES PER FLAT > 50X2=100 NITS.  
 PER HOUR DISCHARGE > 100 X60= 6000 LPM.

**SEPTIC TANK**  
 SURFACE AREA NEEDED > 6000X.92/10 =55.20 SAY 53M<sup>2</sup>  
 VOLUME OF SEDIMENTATION:  
 ASSUMING 0.30M DEPTH  
 FOR DIGESTION 6300X.30 = 15.90 M<sup>3</sup>  
 5000X.032 = 1.60M<sup>3</sup>  
 FOR SLUDGE STORAGE 0.0002X365X75 = 3.65M<sup>3</sup>  
 FREE BOARD FOR SLUDGE 400 X3M = 1.20M<sup>3</sup>

DEPTH = VOLUME / AREA = 1.40M  
 VOLUME = 5 = 1.40M

SIZE OF SEPTIC TANK 6.00X3.00X2.00  
 UPFLOW FILTER  
 LIQUID DEPTH OF SEPTIC TANK = 1.70M

UPFLOW FILTER DEPTH ALLOWING 0.32M FREE BOARD 1.4 - 0.3 = 1.10M  
 AREA NEEDED = 1.10 / 0.10 = 11.00  
 SIZE OF UPFLOW FILTER 1.00X1.30  
 UPFLOW NO.1 = 0.91X1.50X1.30M  
 UPFLOW NO.2 = 0.91X1.50X1.30M



SECTION AB



SEPTIC TANK WITH UPFLOW FILTER DETAILS

APPROVAL CONDITION

SCALE 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY

**APPROVED**

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

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

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	219.40	0.00	0.00	2	219.40
FOURTH FLOOR	0.00	219.40	0.00	0.00	2	219.40
THIRD FLOOR	0.00	219.40	0.00	0.00	2	219.40
SECOND FLOOR	0.00	219.40	0.00	0.00	2	219.40
FIRST FLOOR	0.00	219.40	0.00	0.00	2	219.40
STILT PARKING FLOOR	0.00	28.16	0.00	0.00	0	28.16
Total	0.00	1125.16	0.00	0.00	10	1125.16

**BUILDING WISE FSI STATEMENT**

BUILDING	NO OF SAME BUILDING	FSI AREA				DU	TOTAL FSI AREA
		COMM.	RESI.	IND.	SPEC.		
NHRB-1 (RES)		0.00	1125.16	0.00	0.00	10	1125.16
Total		0.00	1125.16	0.00	0.00	10	1125.16