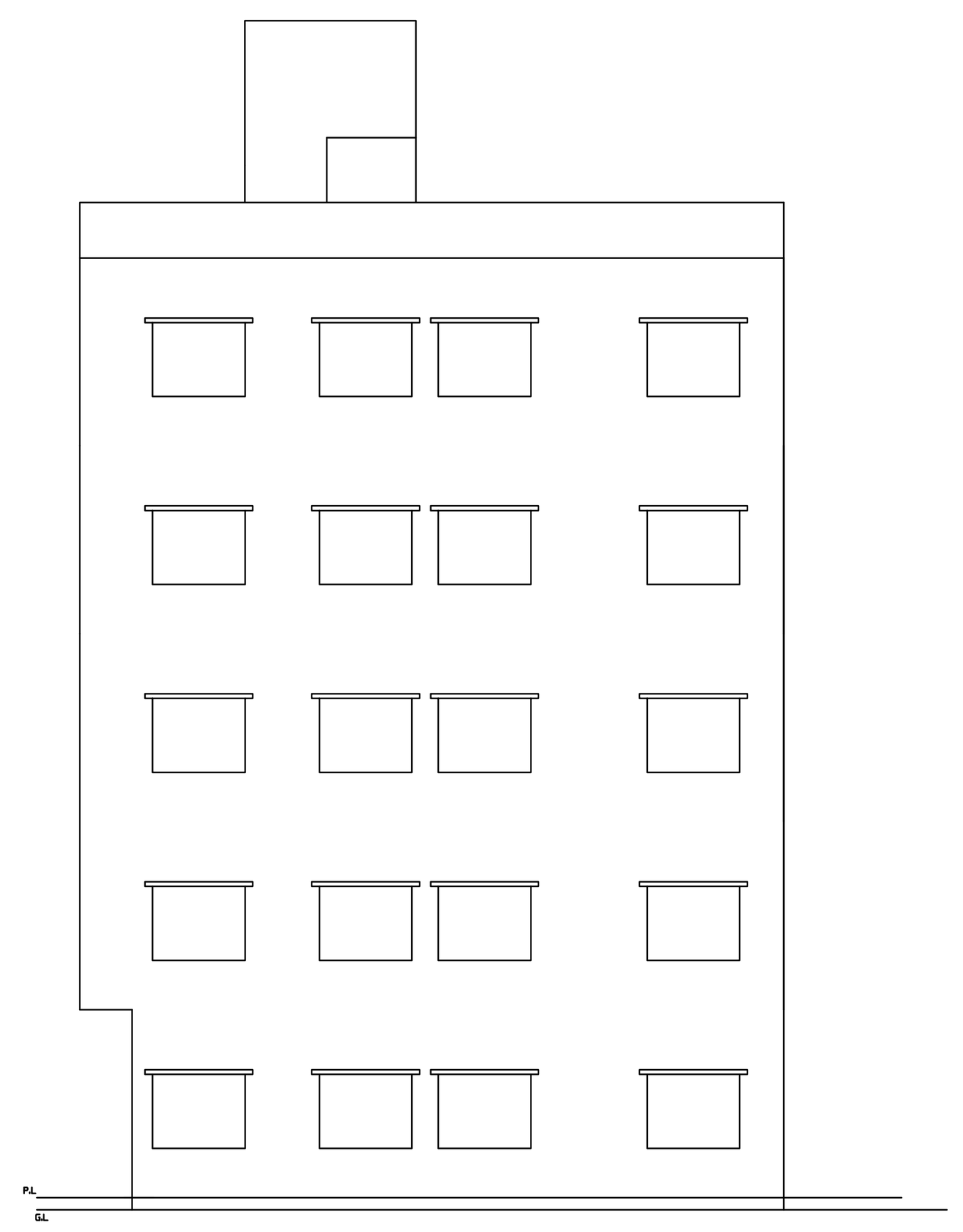
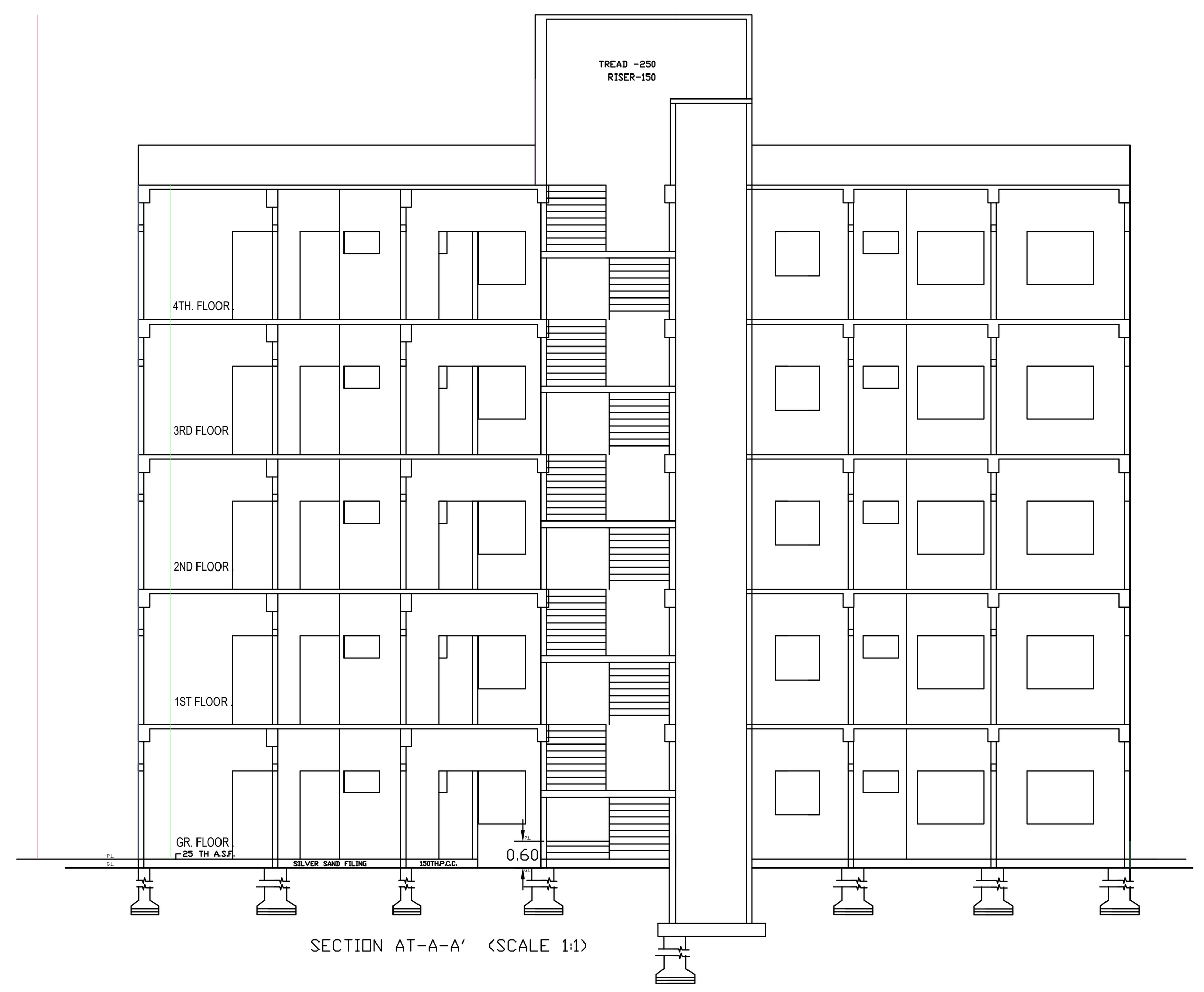
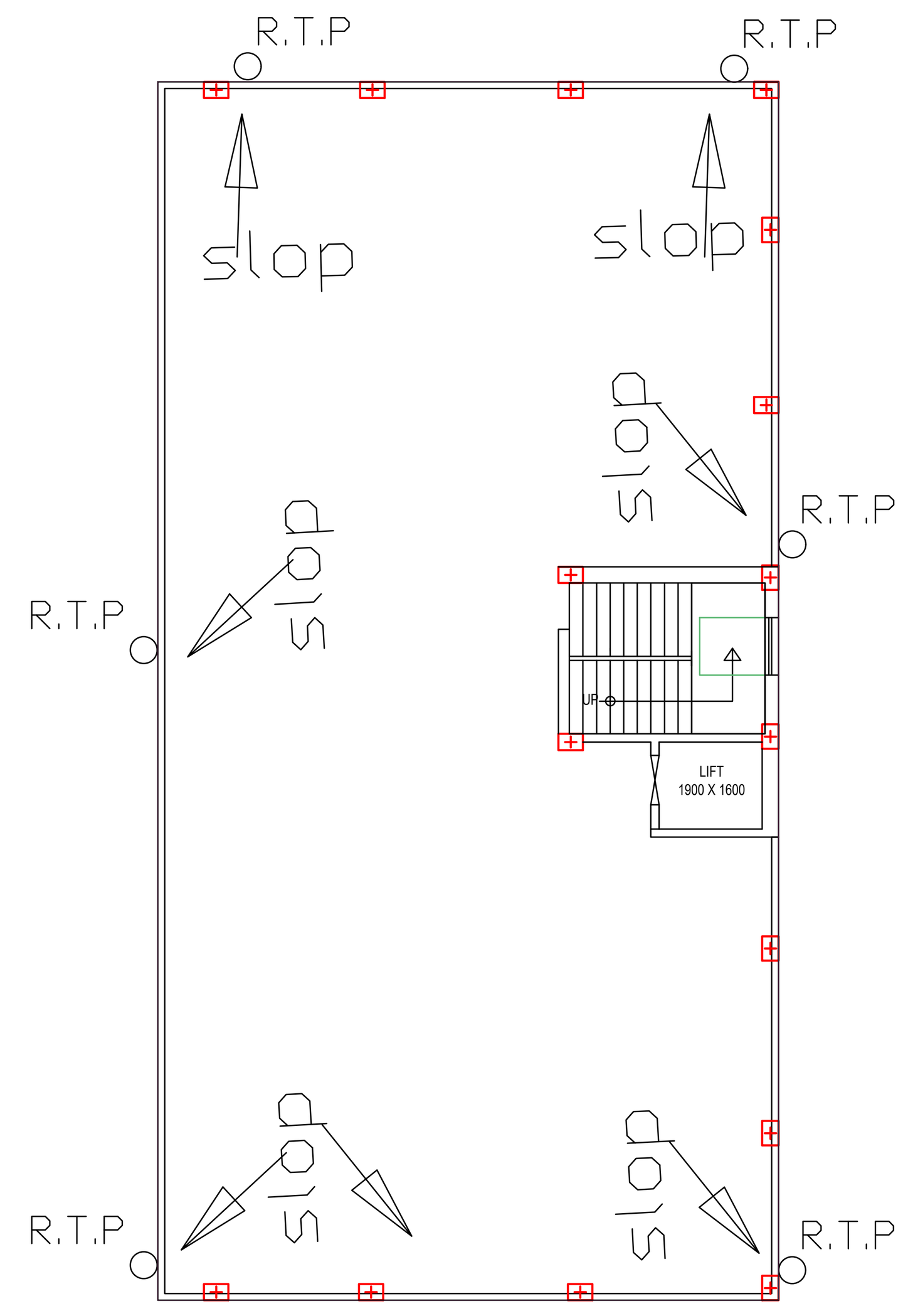
ARCHITECTURAL PLAN FOR PROPOSED G+IV STORIED RESIDENTIAL BUILDING AT PLOT NO.-248, KHATIAN NO.-2069, MOUZA -TURKI SITARAMPUR , J.L. NO. -100, DIST.- BANKURA , R.S. DAG NO.- 63, P.O.- BISHNUPUR , PIN.-722 122, WARD NO.-18, UNDER BISHNU PUR MUNICIPALITY .



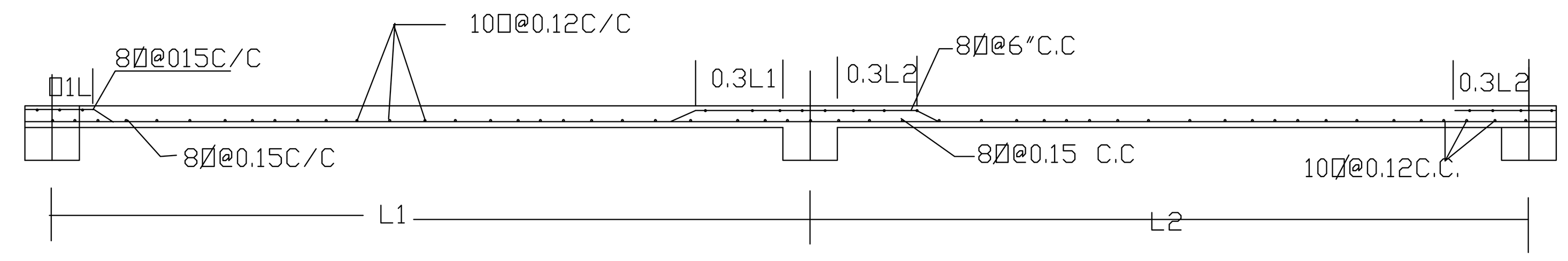
FRONT ELEVATION
(scale 1:1)



SECTION AT-A-A' (SCALE 1:1)



ROOF PLAN



DETAILS OF SLAB REINFORCEMENT

AREA OF LAND- 470.46 SQM.

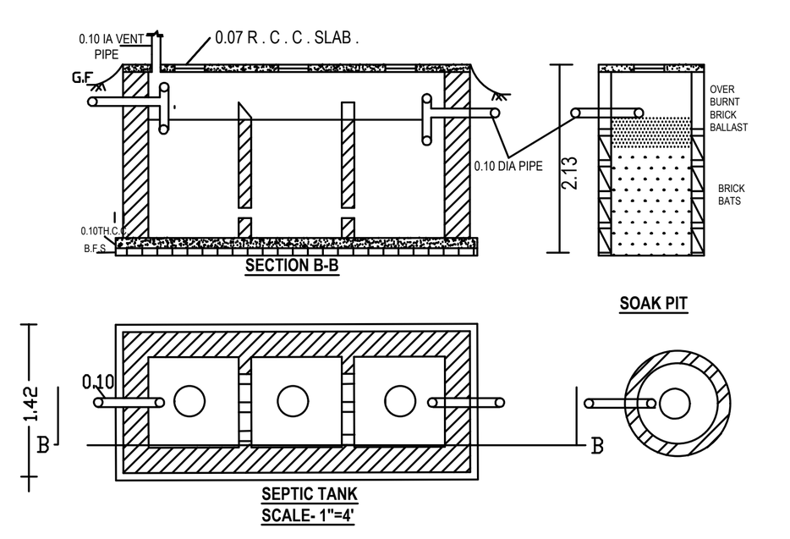
COVERED AREA G.F.-112.31M2

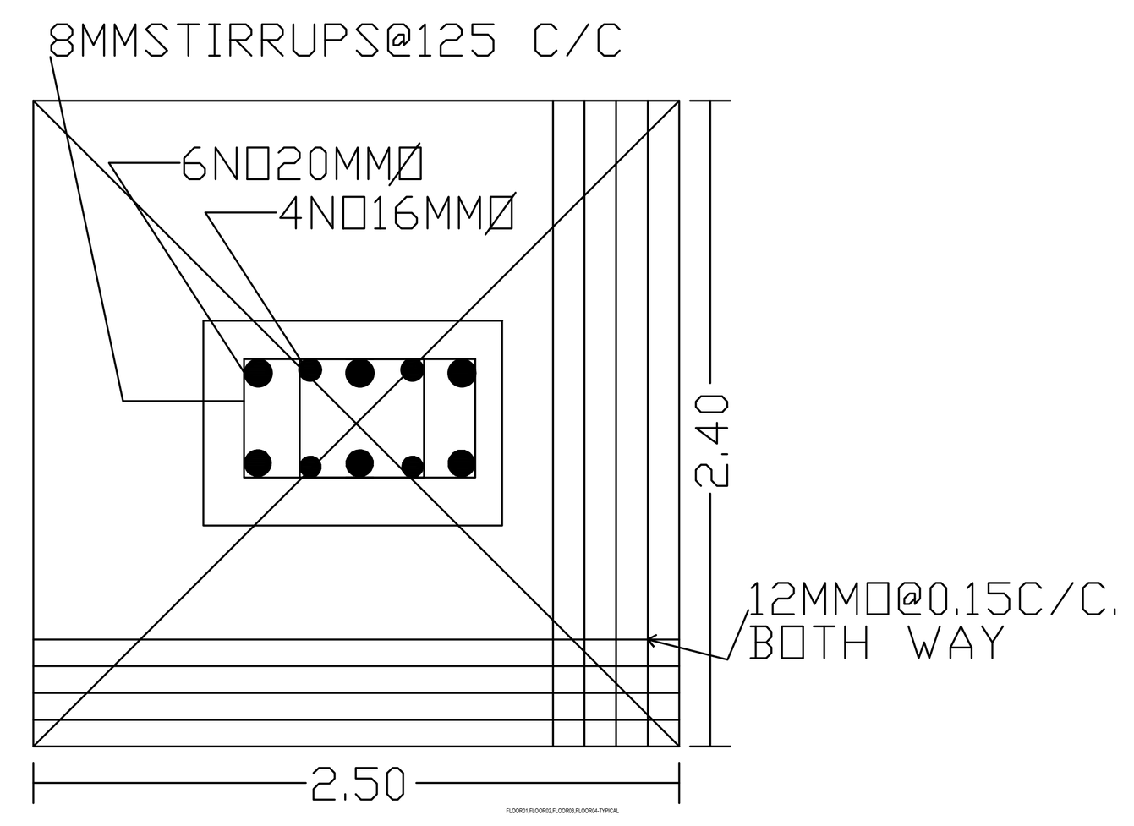
COVERED AREA 1.ST& 2ND FLOOR. -224.62SQM.

COVERED AREA 3RD. FLOOR. -112.31SQM.

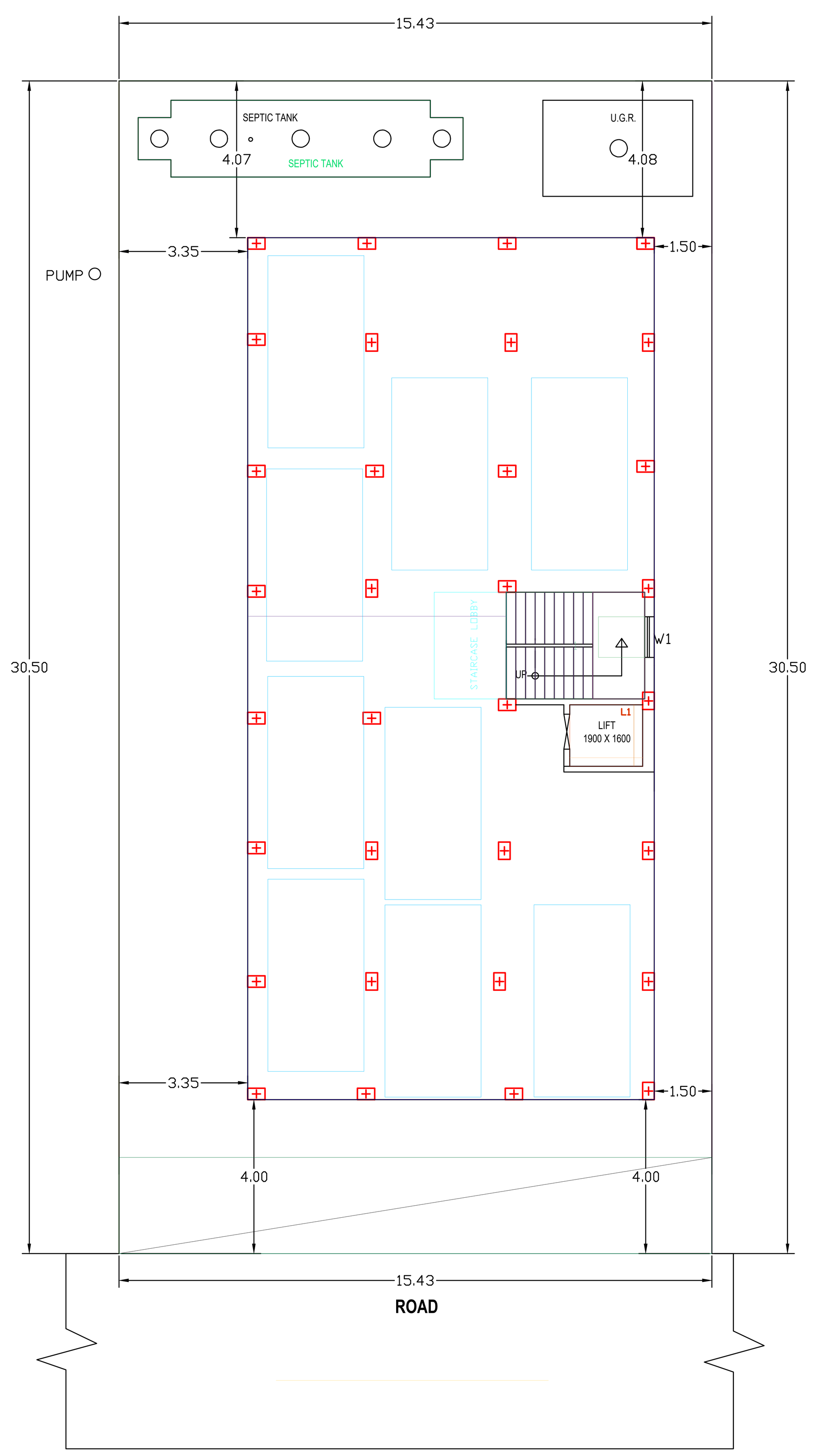
SCHEDULE OF DOOR & WINDOW			
D	1.050	X	2.00
D1	0.90	X	2.00
W	1.50	X	1.20
W1	1.050	X	1.20
W2	1.00	X	1.00
V	0.8	X	0.5
D3/D2	.75	X	2

CIVIL ENGINEERING NOTE .
1. P.C.C. MUST BE USED 75 MM THICK .
2. MIN GRADE CONCRATE USED IN P.C.C. M-10 (1;3;6)
3. MIN WID OF FOOTING 250 MM .
4. CLEAR COVER MENTION OF ALL ITEMS FOOTING =50 MM COLUMN -40 MM .
5. ALL R.C.C WORK MIN GRADE OF CONCRETE M-20 . 1 ; 1.5 ; 3
6. HYSD HIGH YIELD STRENGCH DEFARMED BAR USED FE 415. FE 500.
7. OUTSIDE PLASTER 15 MM . INSIDE PLASTER -12 MM . CEILING - PLASTER 6 MM.
8. WATER CEMENT RATIO ALWAYS (0.4 TO 0.6)

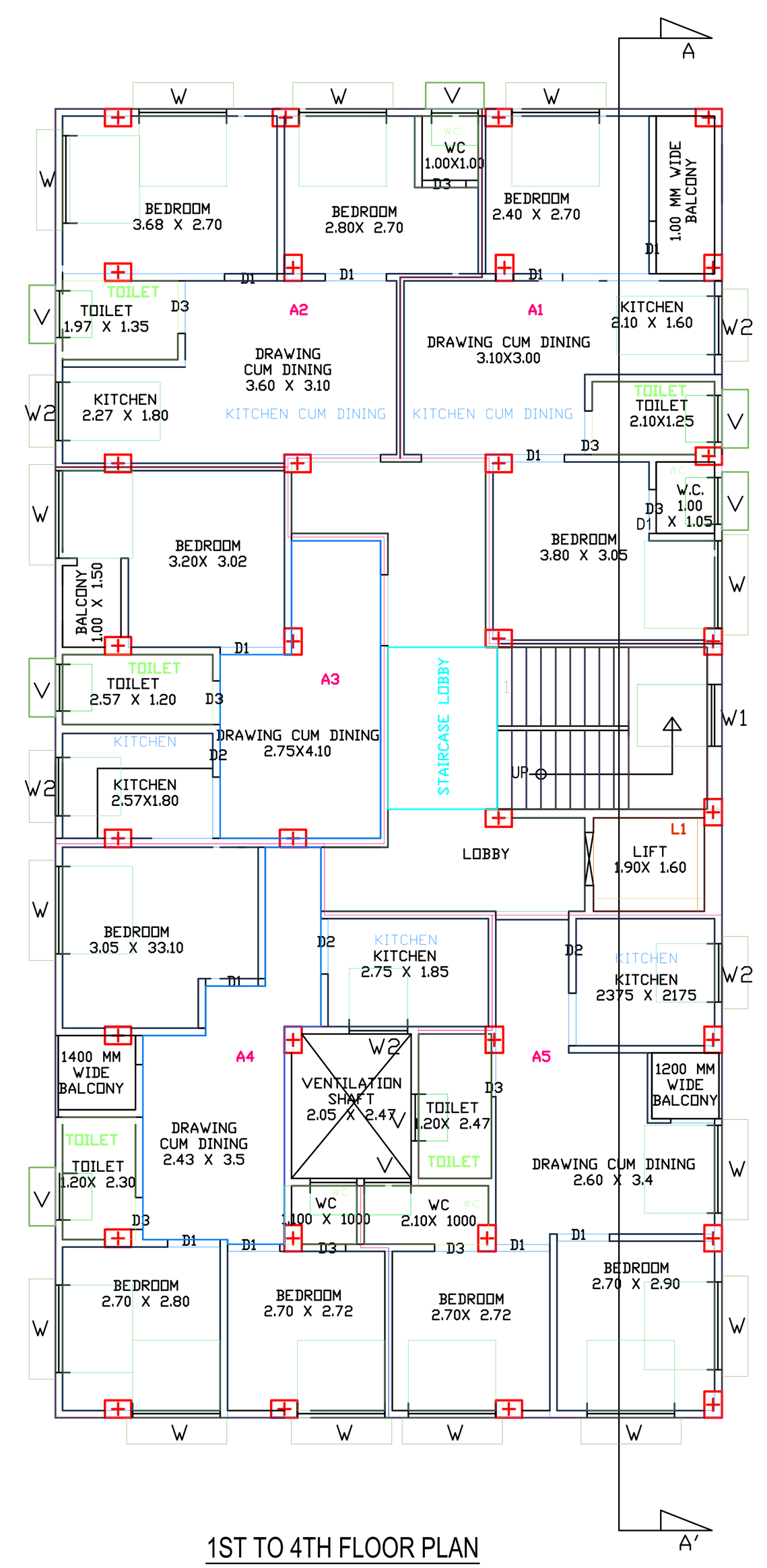




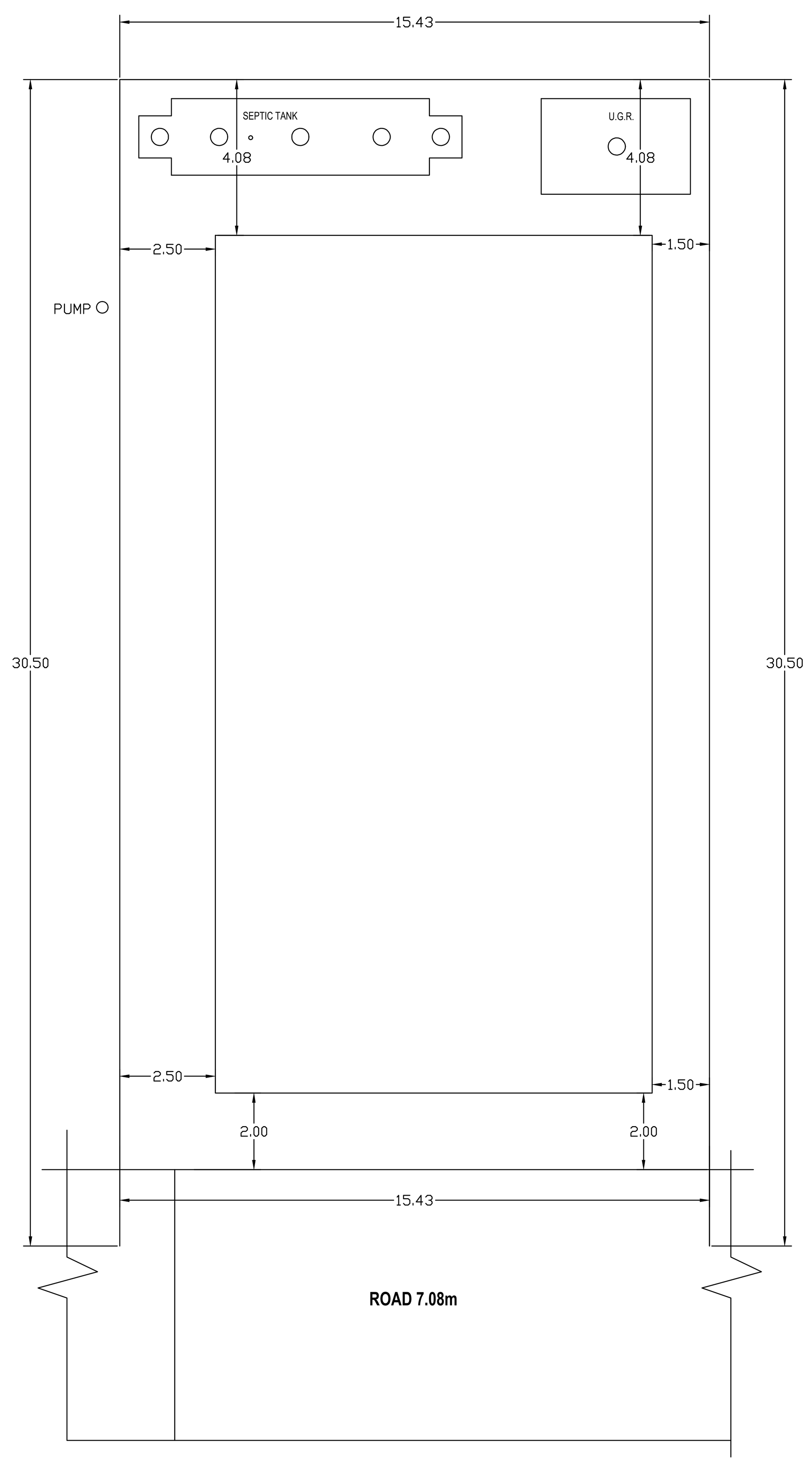
PLAN[R.C.C. COL.FOOTING]
scale=1:1200



GROUND FLOOR PLAN
(scale 1:1)



1ST TO 4TH FLOOR PLAN
(scale 1:1)



Signature Not Verified

N O T E S :-

A. GENERAL:

1. ALL DIMENSIONS ARE IN METRES AND LEVELS ARE IN METRE.
2. DRAWINGS SHALL NOT BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. ALL FOUNDATIONS SHALL BE REST ON VIRGIN SOIL OR ON THOROUGHLY COMPACTED SOIL AS PER SPECIFICATION. WHENEVER THE SOIL CONTAIN THE LOOSE SOIL POCKETS, THE SAME SHALL BE REMOVED AND REFILLED WITH THE P.C.C.

B. CONCRETE WORK:

1. ALL CONCRETE WORK SHALL BE AS PER IS:456 (LATEST REVISION)
2. ALL STRUCTURAL REINFORCED CONCRETE WORK SHALL BE WITH DESIGN MIX CONCRETE OF GRADE AS FOLLOWS UNLESS NOTED OTHERWISE.
   a). THE GRADE CONC. FOR SUB & SUPER STRUCTURES ARE M-25
3. PLAIN CONCRETE WORK SHALL BE OF THE FOLLOWING GRADES OF NOMINAL MIX CONCRETE:
   a). 1:5:10 PLUM CONCRETE FOR FILLING CONCRETE UNDER FOUNDATION (WITH MAXIMUM AGGREGATE SIZE OF 40 MM.) AND AS , PIT, TRENCHES ETC.
   b). M-15 FOR LEAN CONCRETE BELOW FOUNDATIONS & PLINTH PROTECTION
4. THE MINIMUM CLEAR COVER FOR PROTECTION OF MAIN REINFORCEMENT SHALL BE AS FOLLOWS

STRUCTURAL ELEMENT	COVER IN MM		
	TOP	BOTTOM	SIDES
a). PLINTH BEAM	25	40	40
b). COLUMNS	50	-	40
c). SLAB ON GRADE	20	25	25
d). FLOOR BEAM	25	25	25
e). SLAB	20	20	20
f). FOUNDATION	50	50	50

C. REINFORCEMENTS:

1. ALL REINFORCING STEEL SHALL BE OF TESTED QUALITY.
2. (a). HIGH YIELD STRENGTH DEFORMED BAR REINFORCEMENT (YIELD STRESS Fe= 500 N/MM^2.) SHALL CONFORM TO IS:1786. (LATEST REVISION)
3. LAPS AND SPLICES OF REINFORCEMENT TO SUIT AVAILABLE LENGTH OF BARS SHALL BE MADE AS SHOWN ON THE DRAWINGS OR APPROVED BY THE THE ENGINEER AT SITE.
4. ALL HOOKS. BENDS, LAPS AND SPLICES SHALL BE AS PER IS:2502.
5. THE LAP/ANCHORAGE LENGTH OF BARS OF DIAMETER `D' SHALL BE AS FOLLOWS:-

CONCRETE GRADE	DEFORMED BARS	
	TENSION	COMPRESSION
M-25	41XD	33XD

6. LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50 % BARS SHALL BE LAPPED AT ANY SECTION.