

F.A.R AND COVERED AREA CALCULATION

PLOT AREA TOTAL =		464.51 SQ.MT.	
R/W =		0 SQ.MT.	
PLOT AREA AFTER R/W =		464.51 SQ.MT.	

S.L	FLOOR	PLINTH AREA IN SQ.MT	PROJECTION BALCONY C.B IN SQ.MT	TOTAL COVERED AREA IN SQ.MT. (3+4+5+6)	LIFT IN SQ.MT	FIRE STAIRS DUCT IN SQ.MT	VOID IN SQ.MT	OTHER IF PERMISSIBLE IN SQ.MT	TOTAL AREA 8+9+10+11+12	NET COVERED FOR FAR CALCULATION AREA IN SQ.MT. (7-13)
4	BASEMENT	204.59	0	204.59	0	0	0	185.24	185.24	19.35
4	GROUND FLOOR	204.59	0	204.59	2.46	0	25	0	27.46	177.13
5	1ST FLOOR	204.59	0	269.43	2.46	0	0	32.42	34.88	234.55
6	2ND FLOOR	204.59	0	269.43	2.46	0	0	32.42	34.88	234.55
7	3RD FLOOR	204.59	0	269.43	2.46	0	0	32.42	34.88	234.55
6	4TH FLOOR	204.59	0	269.43	2.46	0	0	32.42	34.88	234.55
TOTAL		1227.54	0	1486.9	12.3	0	25	314.92	352.22	1134.68

FAR = $\frac{\text{NET COVERED AREA}}{\text{PLOT AREA}} = \frac{1134.68}{464.51} = 2.44$

% GROUND COVERAGE = $\frac{\text{COVERED AREA OF GROUND FLOOR}}{\text{PLOT AREA}} = \frac{204.59}{464.51} = 44.04\%$

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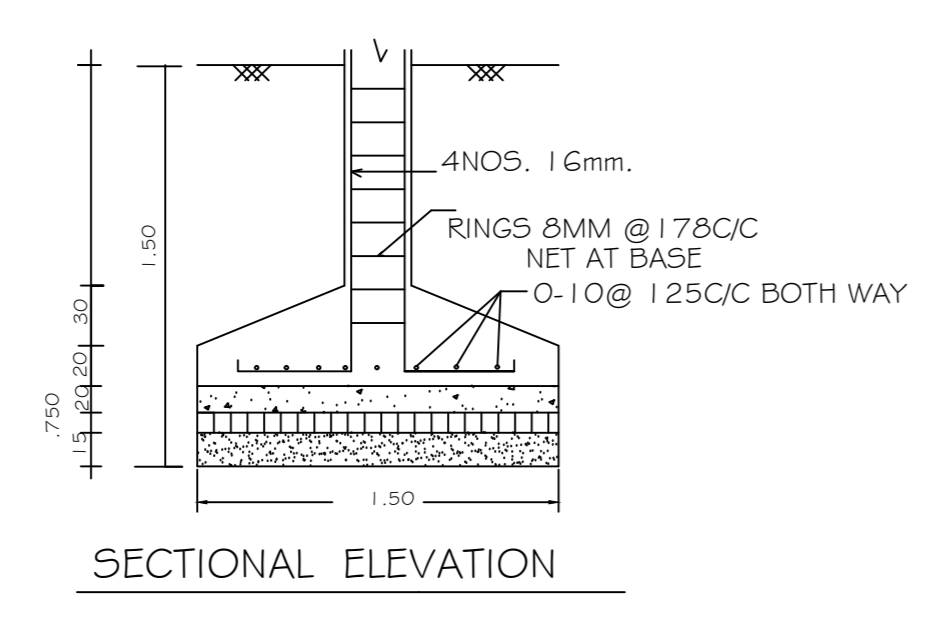
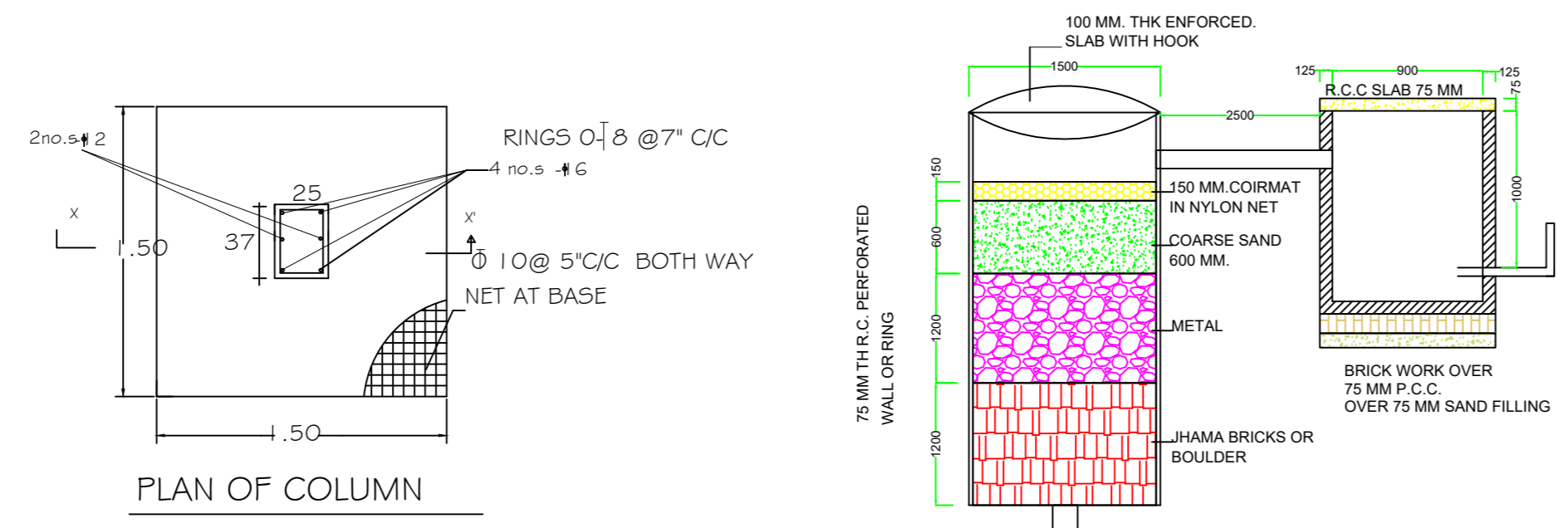
(W)	WET RISER CUM DOWN COME.
(H)	HYDRANT OUT LET.
(H)	HOSE REEL HOSE.
(W)	FIRE CELL POINT.
(H)	HOOTER
(H)	DELIVERY HOSE BOX
(H)	F.S. IN LET
(S.A)	AREA PROTECTED WITH SMOKE DETECTORS WITH CONTROL PANEL
(S)	AREA PROTECTED WITH AUTO MATIC SPRINGE BOX.
(FCD)	AUTOMATIC FIRE CHECK DUCT

DOOR WINDOW SCHEDULE

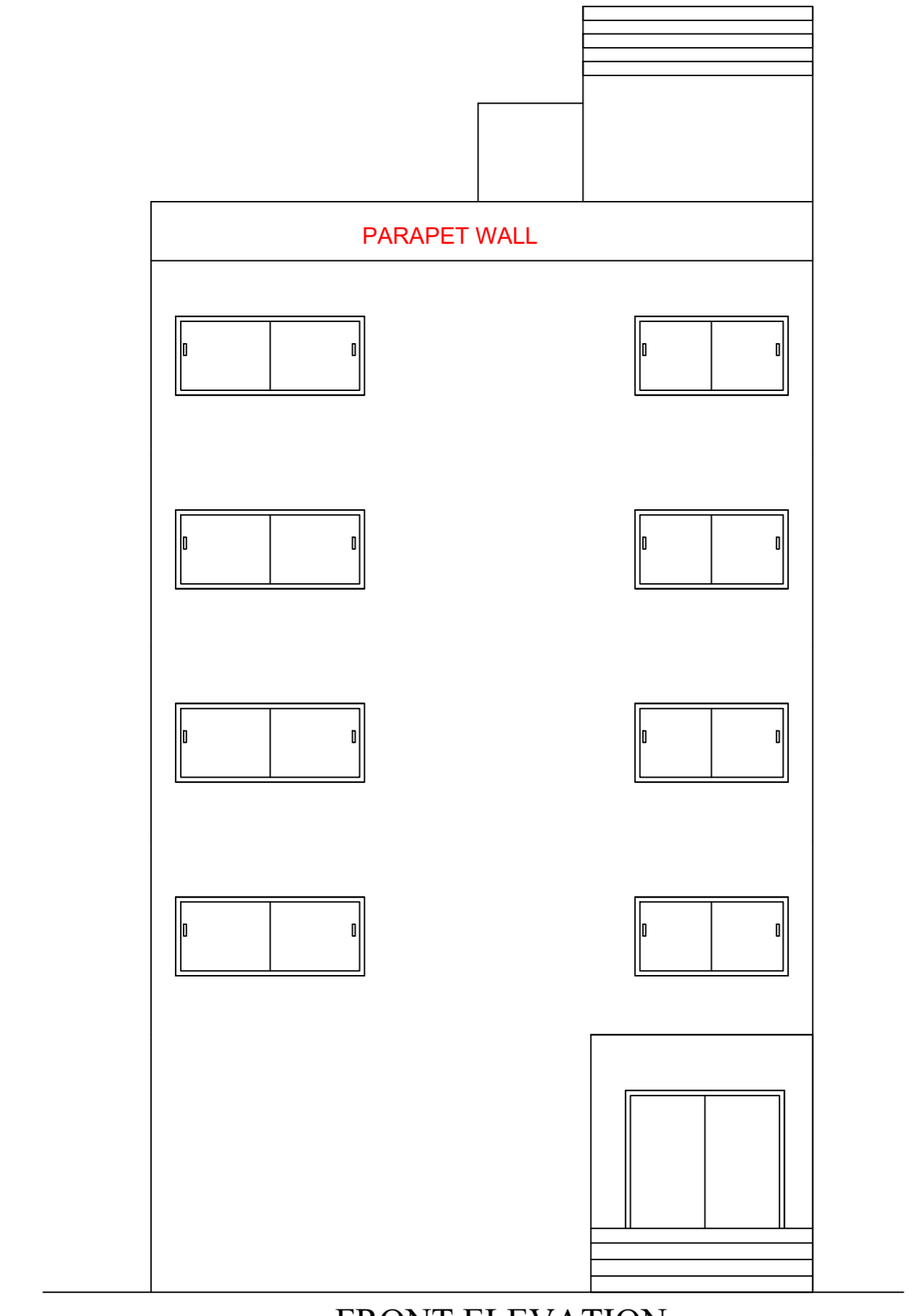
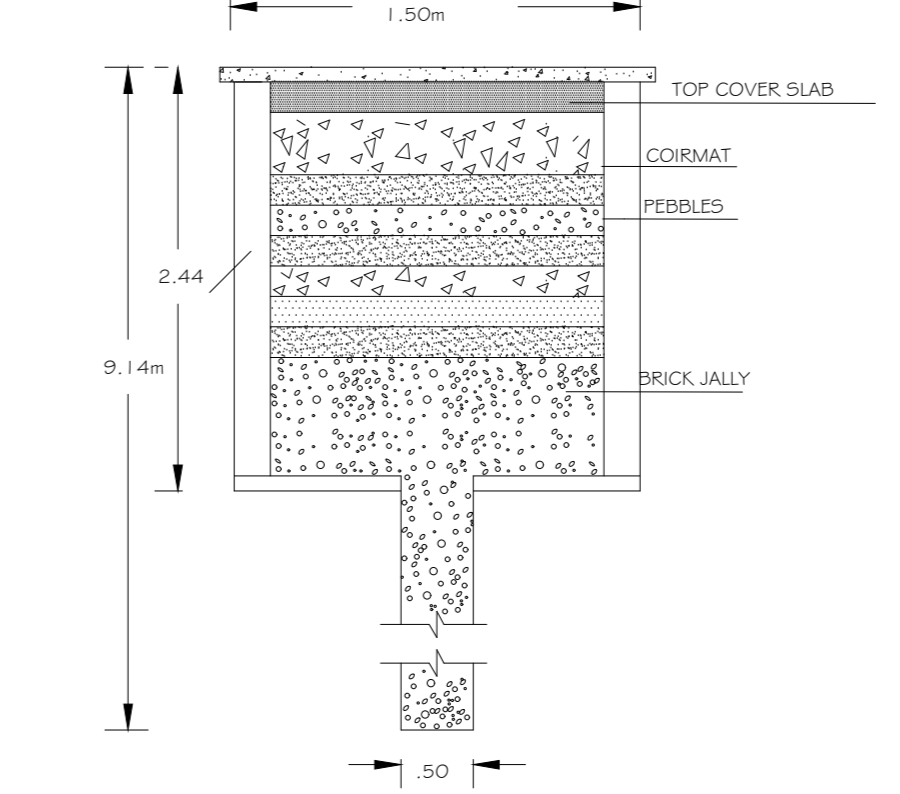
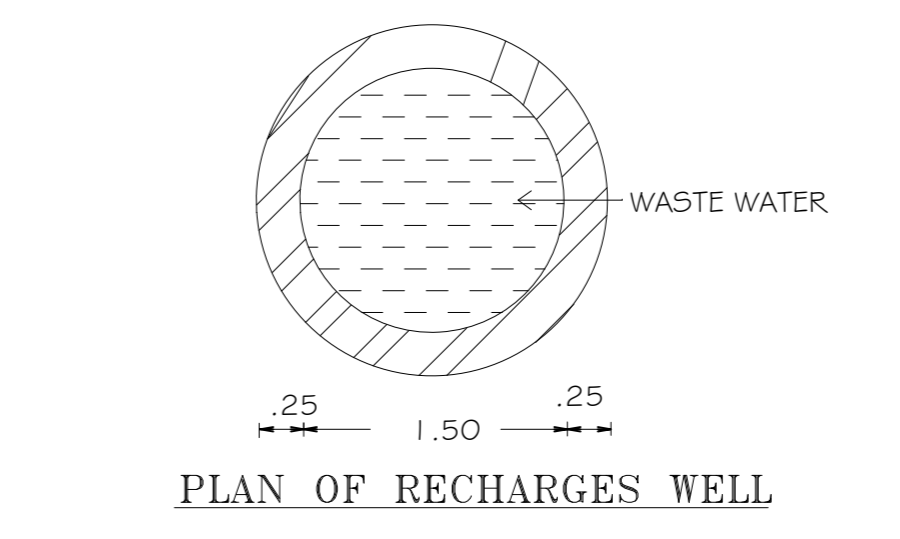
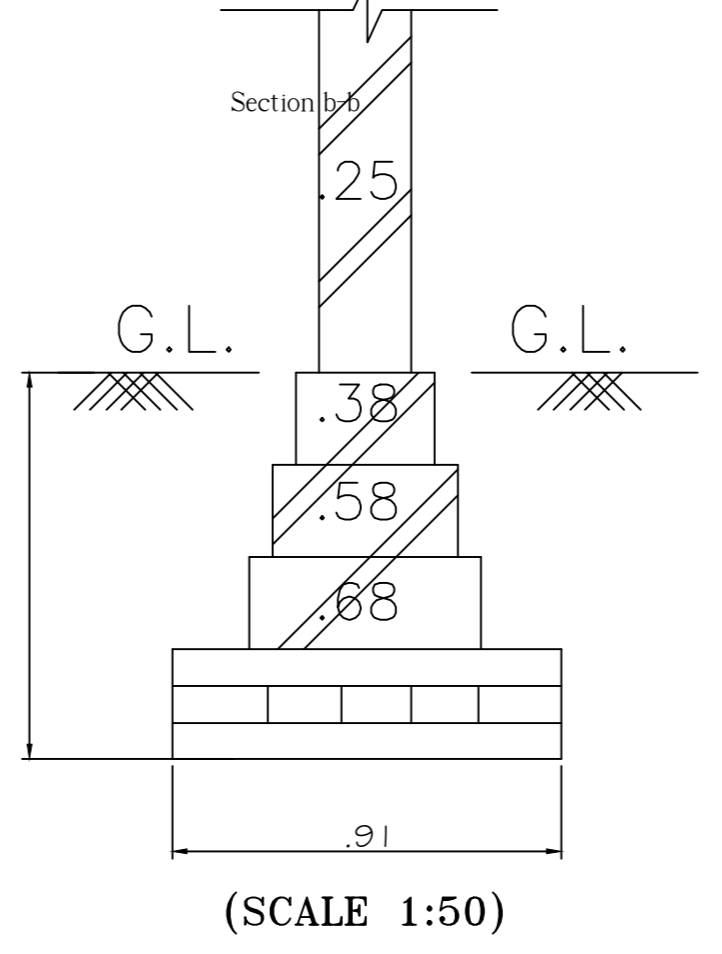
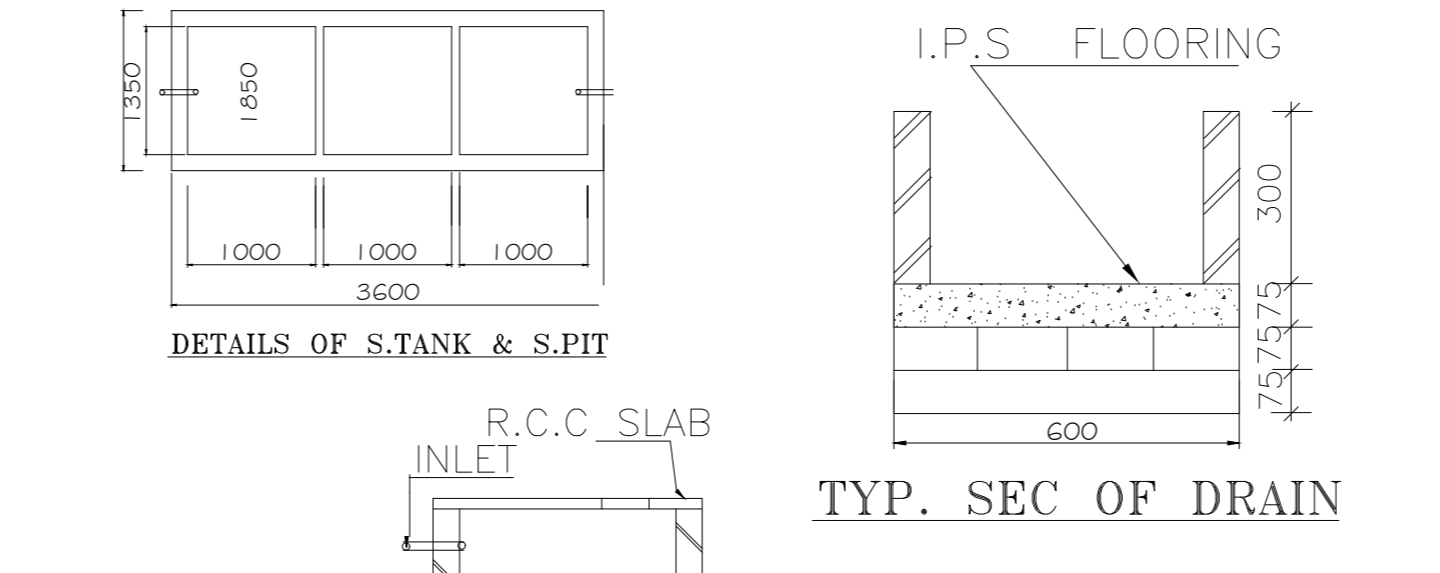
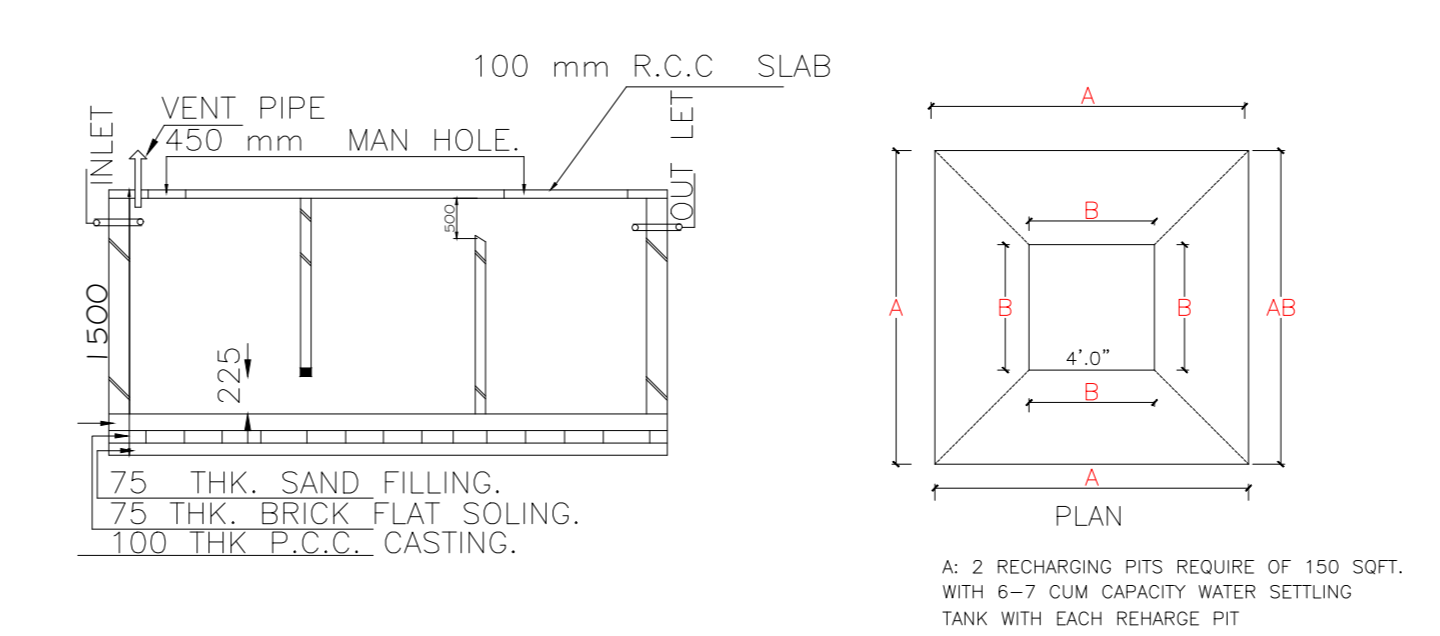
TYPE	WIDTH	HT.	SILL	DESCRIPTION
D1	0.76	2.13	0.00	STEEL FRAME FLUSH DOOR
D2	0.91	2.13	0.00	STEEL FRAME FLUSH DOOR
D3	.99	2.13	0.00	STEEL FRAME FLUSH DOOR
D4	1.06	2.13	0.00	STEEL FRAME FLUSH DOOR
W1	0.76	.60	1.53	STEEL FRAME GLAZED SHUTTER
W2	.99	1.23	0.90	STEEL FRAME GLAZED SHUTTER
W3	1.20	1.23	0.90	STEEL FRAME GLAZED SHUTTER
W4.	1.50	1.23	0.90	STEEL FRAME GLAZED SHUTTER

PROPOSED COMMERCIAL BUILDING FOR
M/S ASHOK PRADHAN AT-THE INDUSTRIAL AREA TUPUDANA RANCHI ,ALLOTTED ON PLOT NO.-265P, AREA -5000.00 SQ.FT. (100'X50') VIDE RIADA ORDER NO-1032,DATED:22.10.2011

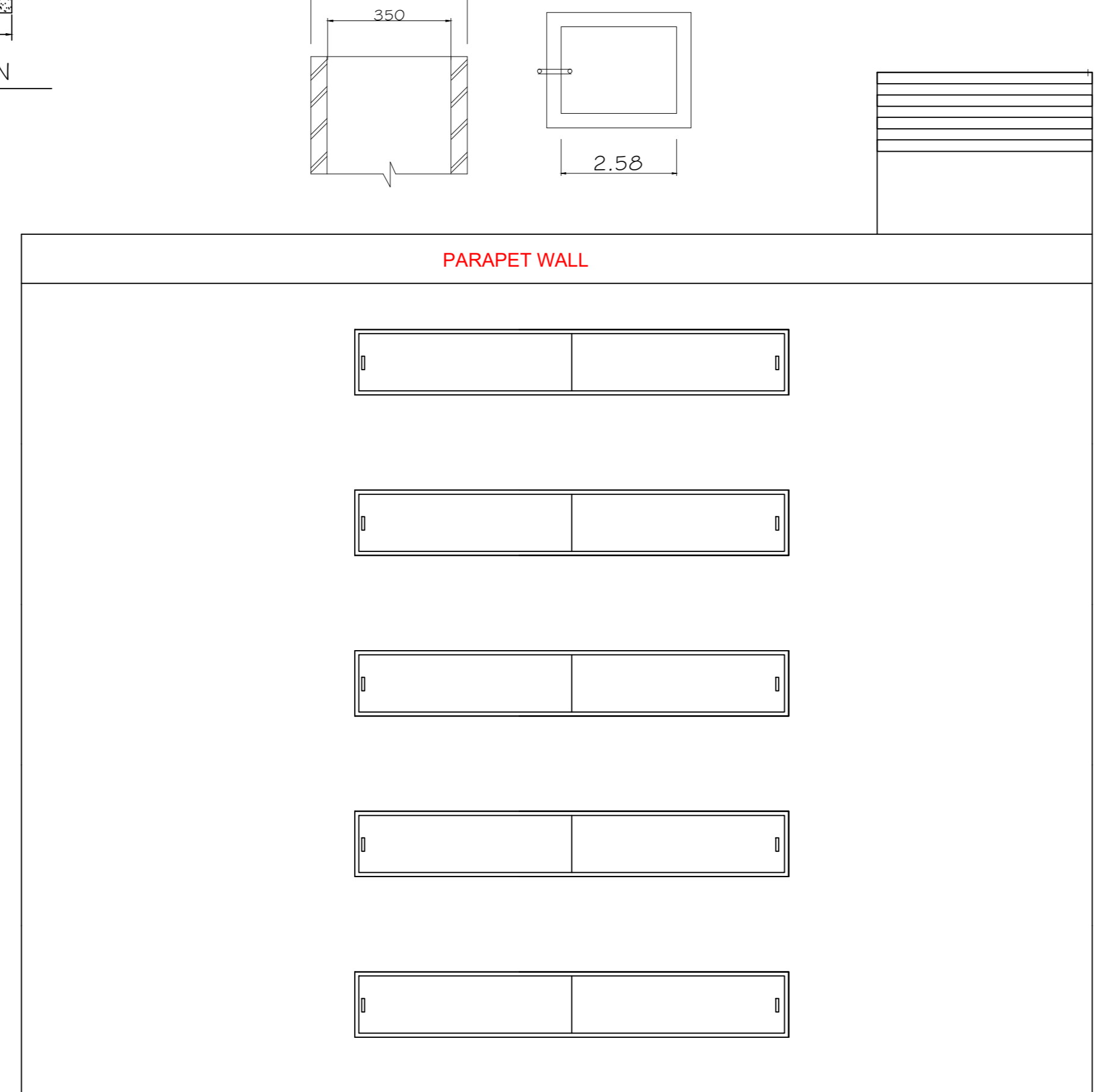
Architect's Signature _____ Applicant's Signature _____



DETAIL OF GROUND WATER RECHARGE PIT WITH SLIT TANK



FRONT ELEVATION SCALE- 1:100



SIDE ELEVATION SCALE- 1:100

DETAIL OF SPETIC TANK
 TOTAL NO. OF COMPUTER LAB = 5
 @ 10 PERSON PER SHOWROOM = 10X5 = 50 PERSONS
 @ 0.085 CUM PER PERSON = 4.25 CUM
 SIZE OF THE TANK = 2.50M X 1.50M X 2.0 M

DETAIL OF WATER TANK
 TOTAL NO. OF COMPUTER LAB = 5
 @ 10 PERSON PER SHOWROOM = 10X5 = 50 PERSONS
 ONE PERSON CONSUMED 90 LTRS
 WATER CONSUMED 50X 90 = 4500 LTRS
 CAPACITY OF OVER TANK = 5.80 X3.59X 1.50
 *50,000 LT CAPACITY UNDER GROUND WATER TANK FOR FIRE FIGHTING
 *30,000 LT CAPACITY OVER HEAD WATER TANK.

FOR COMMERCIAL:
 BUILT-UP AREA=1203.18 SQM.
 HENCE TOTAL CARPET AREA=1203.18/2=601.59/100=6.01= 6NOS.
 TOTAL NO. OF PARKING REQUIRED =6 NOS.
 HENCE REQUIRED CAR PARKING AREA=6NOS.X@20= 120 SQM.
 100% ADDITIONAL EQUIVALENT AREA FOR OTHER PARKING =120 SQM
 TOTAL AREA FOR COMMERCIAL PARKING = 120+120= 240 SQ.M
 *NO OF LOADING & UNLOADING REQ.=FAR AREA/2000=1203.18/2000
 =0.60
 SAY =1 NO
 * NET AREA REQUIREMENT FOR PARKING=
 240 + 1 NO LOADING/ UNLOADING
 240+26.25
 266.25 SQ.MT.
 PARKING PROVIDED -
 NO. OF PARKING PROVIDED = 6 NOS
 NO. OF PARKING PROVIDED = 5NOS (BASEMNET)
 NO. OF PARKING PROVIDED = 1NO (FRONT SET BACK)
 BASEMENT FLOOR PARKING AREA = 185.24 SQM.
 AT FRONT SET BACK =26.25 SQM.
 AT REAR SET BACK (FOR TWO WHEELER PARKING)= 55.17SQM.

STRUCTURAL SAFETY DETAIL
 THIS IS TO CERTIFY THAT THE STRUCTURAL DESIGN OF THE BUILDING WILL BE AS PER I.S.-1893-1984 & I.S.-4326-1993 TO MAKE SAME EARTH QUAKE RESISTANT

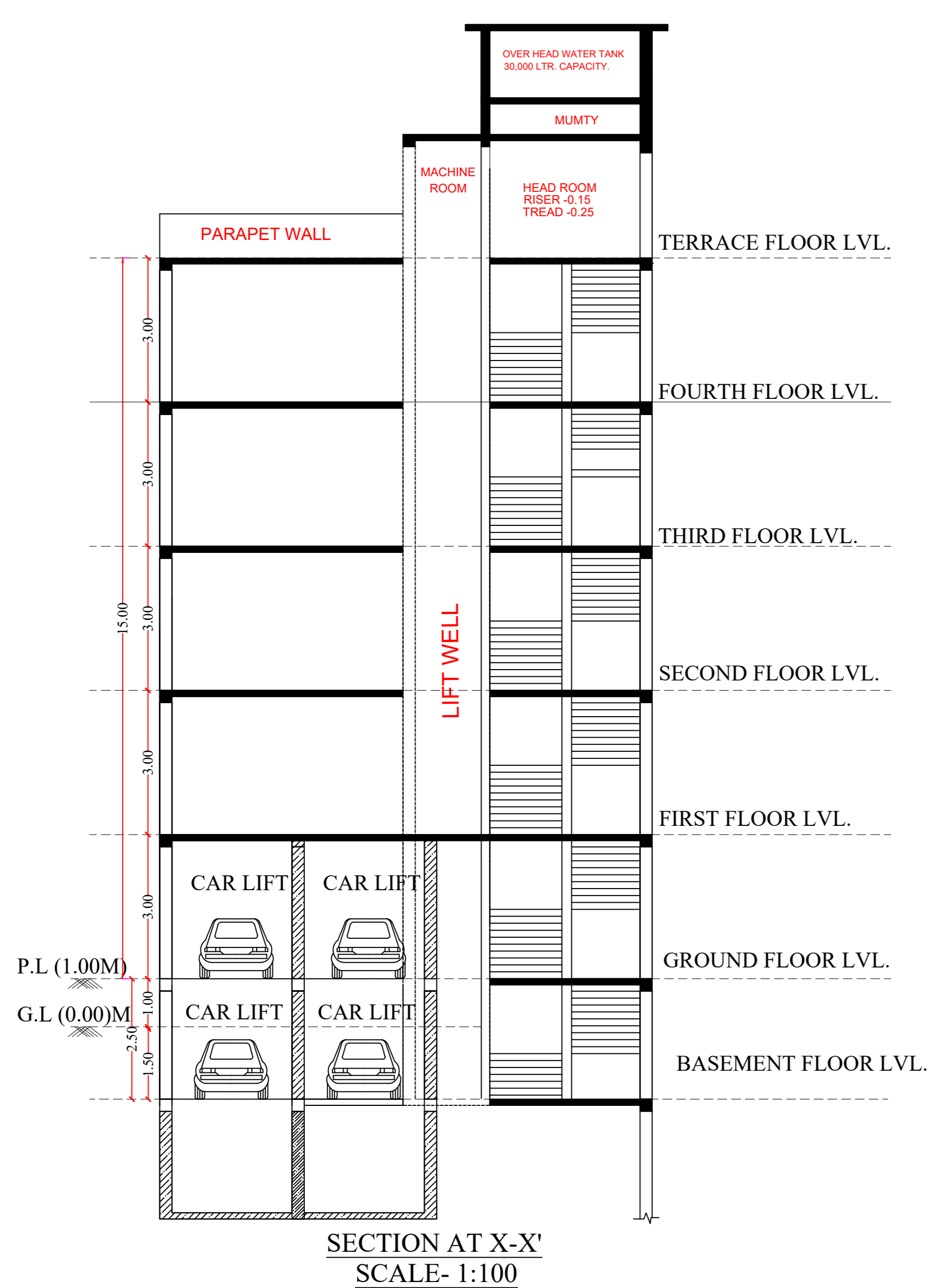
- SPECIFICATION**
1. WALL FOUNDATION - P.C.C (1:3:6)
 2. COLUMN FOOTING -R.C.C (1:2:4)
 3. WALL FOOTING & SUPER STRUCTURE:- IST CLASS B/W IN CM (1:6)
 4. D.P.C. :- 1: 1/2" THK. P.C.C +2% CICO.
 5. LINTELS BEAMS & ROOFS SLAB :- R.C.C (1:2:4)
 6. FLOOR FINISH:-IN SITU MOSAIC OR MOSAIC TILES.
 7. DOORS & WINDOWS :- STEEL GLAZED WINDOWS AND COMMERCIAL FLUSH DOOR.
 8. WALL FINISH :- 0.012m.THK. CEMENT PLASTER ON BOTH SIDE (1:6) FINISHED WITH PLASTER OF PARIS

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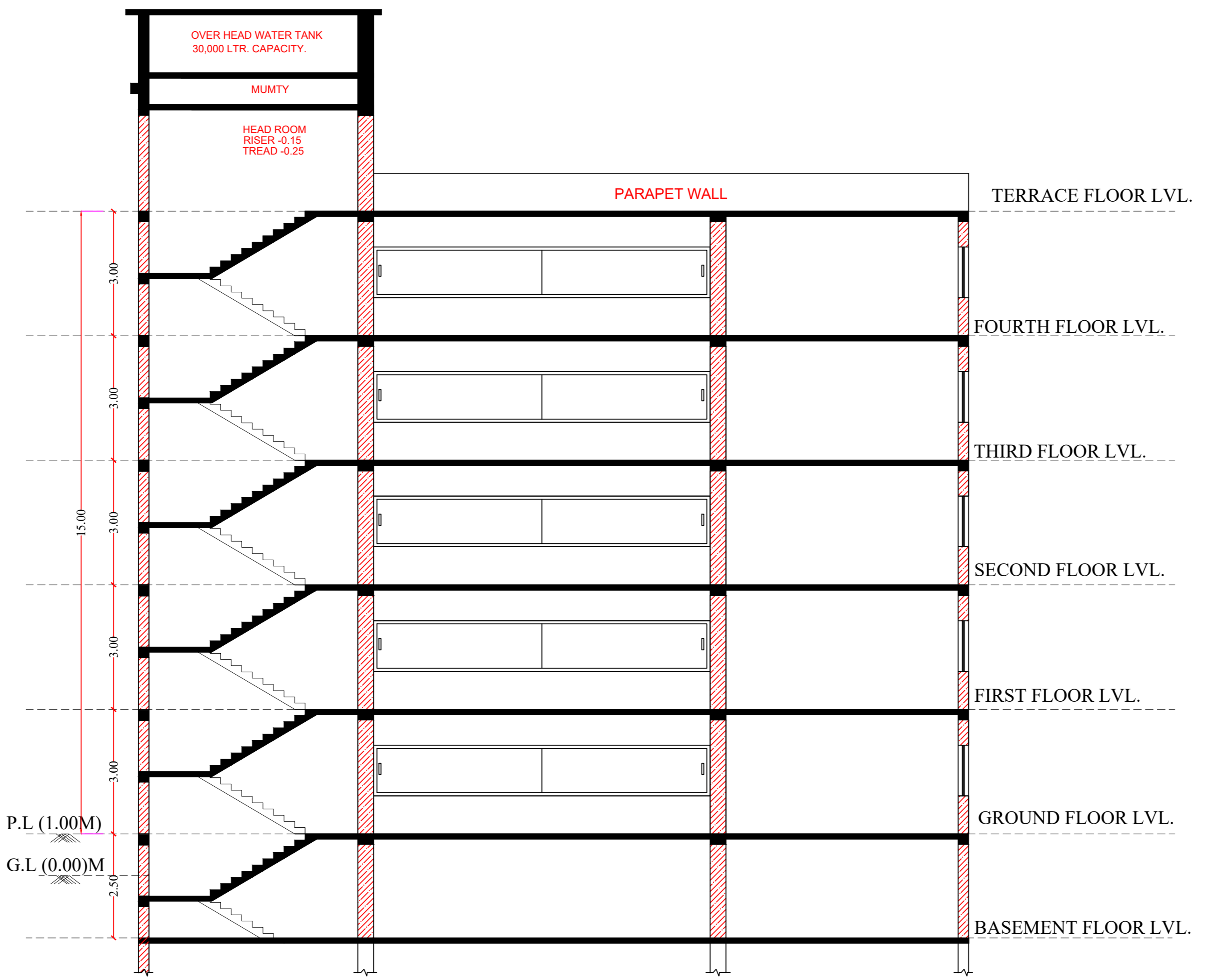
Architect's Signature.	Applicant's Signature.

SECTIONS , ELEVATIONS & DRAINAGE PLAN

SHEET NO.-2 SCALE 1:100	E	ALL DIMENSION AREA IN MT.
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SECTION AT X-X' SCALE- 1:100



SECTION AT Y-Y' SCALE- 1:100