

SPECIFICATION

1. FOUNDATION : AS PER DETAIL
2. R.C.C. FRAME : STRUCTURE & 1st CLASS BRICK WORK IN CEMENT MORTAR
3. FLOORING : .025 TK. I.P.S. FLOORING OVER 0.75 TK. DRY RAMMED KHOA OVER .075 TK. BRICK FLAT SOLLING OVER LOCAL SAND FILLING.
4. .10 TK. R.C.C. SLAB WITH .12TK. LIME TERRACING.
5. PLASTER : .015 TK. CEMENT PLASTER 1:6 BOTHSIDE OF WALL.
6. TEAK WOOD FRAME & SALWOOD SHUTTER ALL THE DOORS AND WINDOWS
7. INSIDE TWO COATS WHITE WASH AND OUT SIDE COLOUR WASH.
8. CONCEALED PVC CONDUIT WIRING WITH STANDARD ELECTRICAL ACCESSORIES ADEQUATE HIGH POWER, POINTS, ELECTRICAL FITTING LIKE TUBE, BULBS, FAN, ETC.
9. ROUND THE CLOCK WATER SUPPLY BY MEAN OF AND OWN BORING / CONTINUOUS MUNICIPAL SUPPLY.

SCHEDULE OF DOORS & WINDOWS

SL NO	TYPE	WIDTH	LENGTH	DESCRIPTION
1	D	1.22	2.10	FULLY PANNELLED
2	D1	1.00	2.10	FULLY PANNELLED
3	D2	0.90	2.10	FULLY PANNELLED
4	D3	0.75	2.10	FULLY PANNELLED
5	W	1.20	1.20	FULLY GLAZED
6	W1	0.90	1.00	FULLY GLAZED
7	W2	0.90	0.90	FULLY GLAZED

PLOT DETAIL:

PROPOSED RESIDENTIAL BUILDING OF AJIT KUMAR CHAUDHARY, S/O LATE SHREE DHARAM PRASAD CHAUDHARY, DHARAMSHREE, HOSPITAL ROAD, LAHERIASARIA. AT MAUZA-KABIRCHAK, PRAGNA-PURAB BHIGO, THANA-SADAR DARBHANGA, DIST.- DARBHANGA, THANA NO - 497, TAUZI NO - 1620,1621,110329,11324. AREA - 117.36 DEC., KHATA NO - 60, 306 (N), 212 (O), 82, 211(O), 16, 316(N), 95, 130, 81, 208(O), 303(N), 93, 189(O), 56, 153. PLOT NO - 211(O), 210(O), 306(N), 209(O), 304(N), 141(O), 316(N), 188(O) 206(O), 297(N).

AREA CALCULATION:-
TOTAL PLOT AREA AS PER DEED:- 4747.04 sqm.
TOTAL PLOT AREA AS PER SITE:- 3937.00 sqm.

TOTAL F.A.R. AREA OF BLOCK - A + B =
5183.05 sqm. + 4658.8 sqm. = 9841.85 sqm.

F.A.R. = 2.50

SCALE

1: 100, 1: 200

SHEET - 1

NORTH



M/s Raj Construction

Satyendra K. Singh Partner

Er. Rajiv Kumar Agrawal
Reg. Structural Engineer
ULB Reg. No. 12-11-22

SIGNATURE OF DEVELOPER

SIGNATURE OF STRUCTURE ENGINEER

M/s Raj Construction

Satyendra K. Singh Partner

SIGNATURE OF OWNER

Nitesh K. Singh
(Registered Architect)
Reg. No. - CA/2021/127394

SIGNATURE OF ARCHITECT

Telmon
20/05/23

Samir Anan
5/7/2023

18/08/23

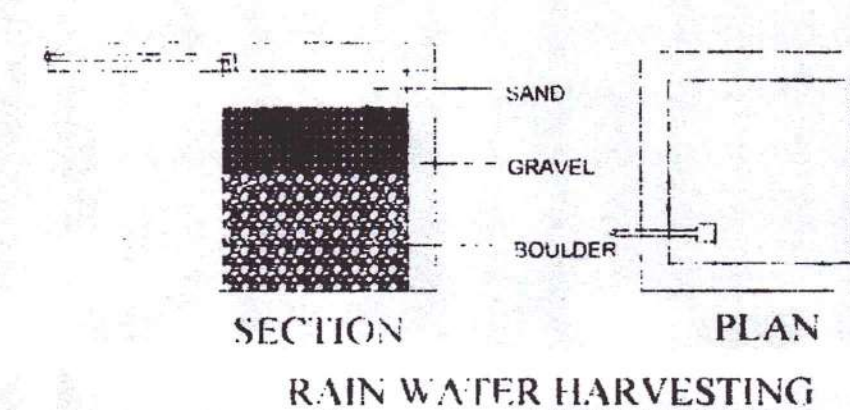
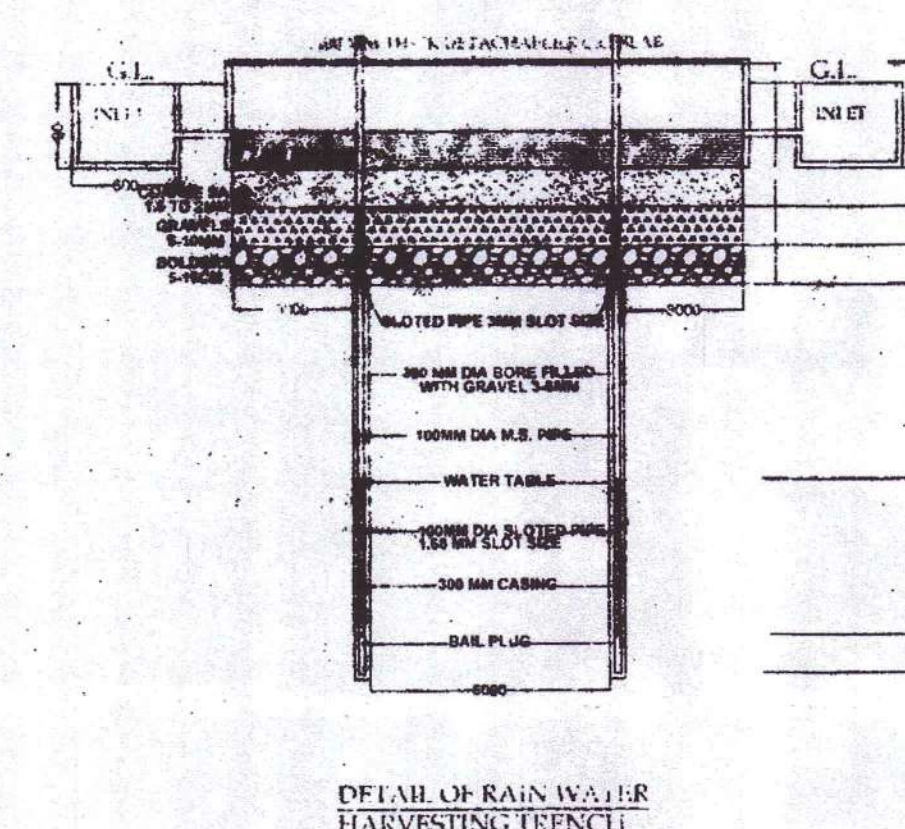
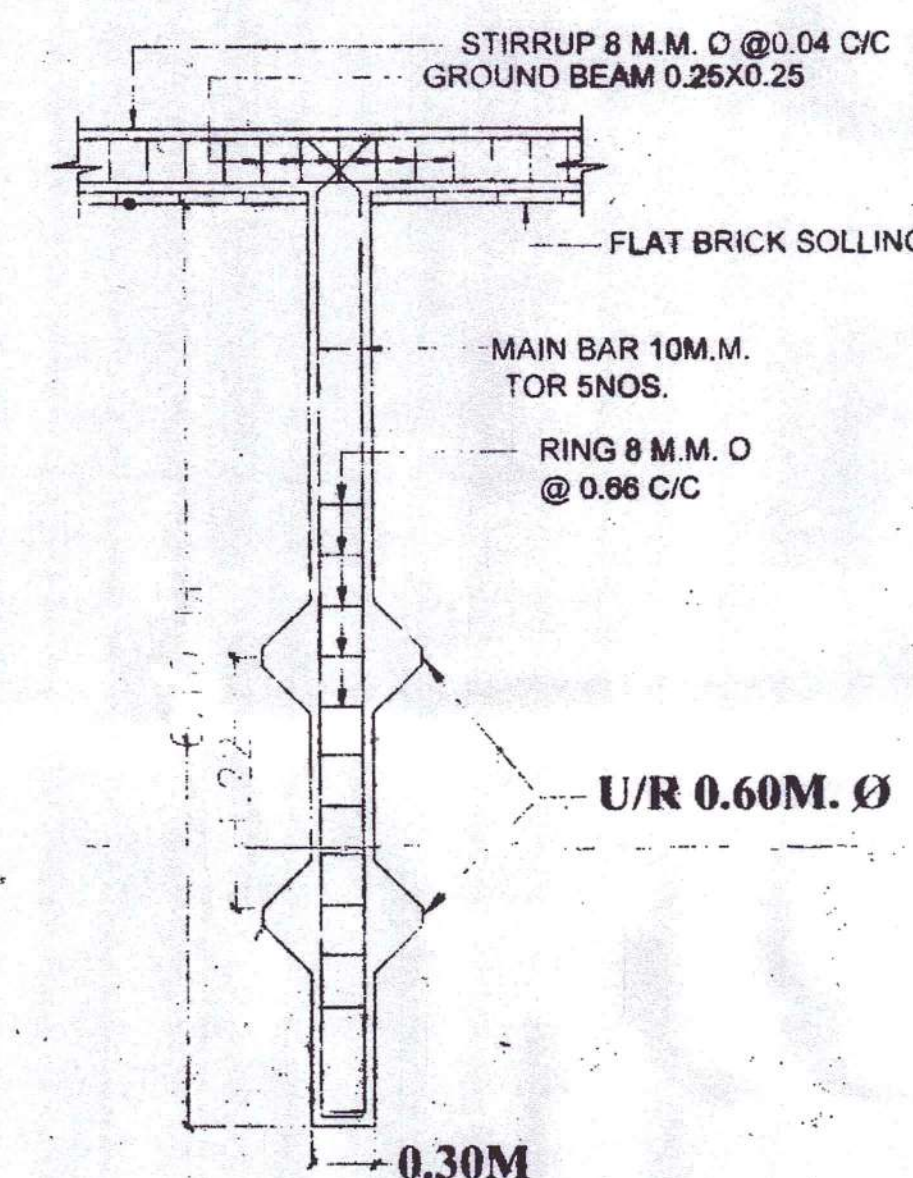
APPROVAL AUTHORITY

7.93 M WIDE ROAD

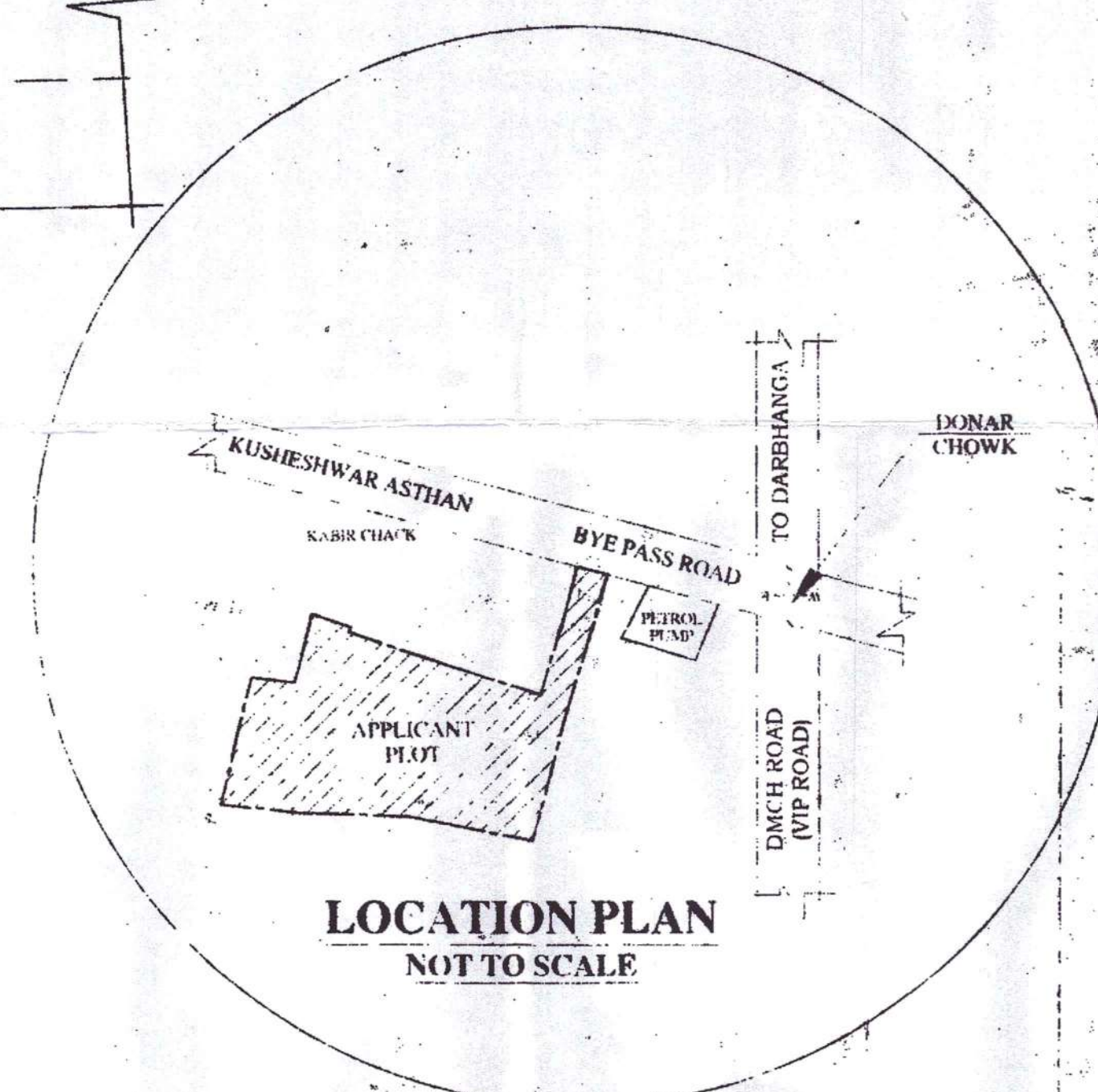
22.70 M WIDE ROAD

SITE PLAN

DET. OF RECHARGEABLE BORE WALL



DETAIL OF U/R PILE FOUNDATION (NOT TO SCALE)



LOCATION PLAN NOT TO SCALE

3-16 TOR

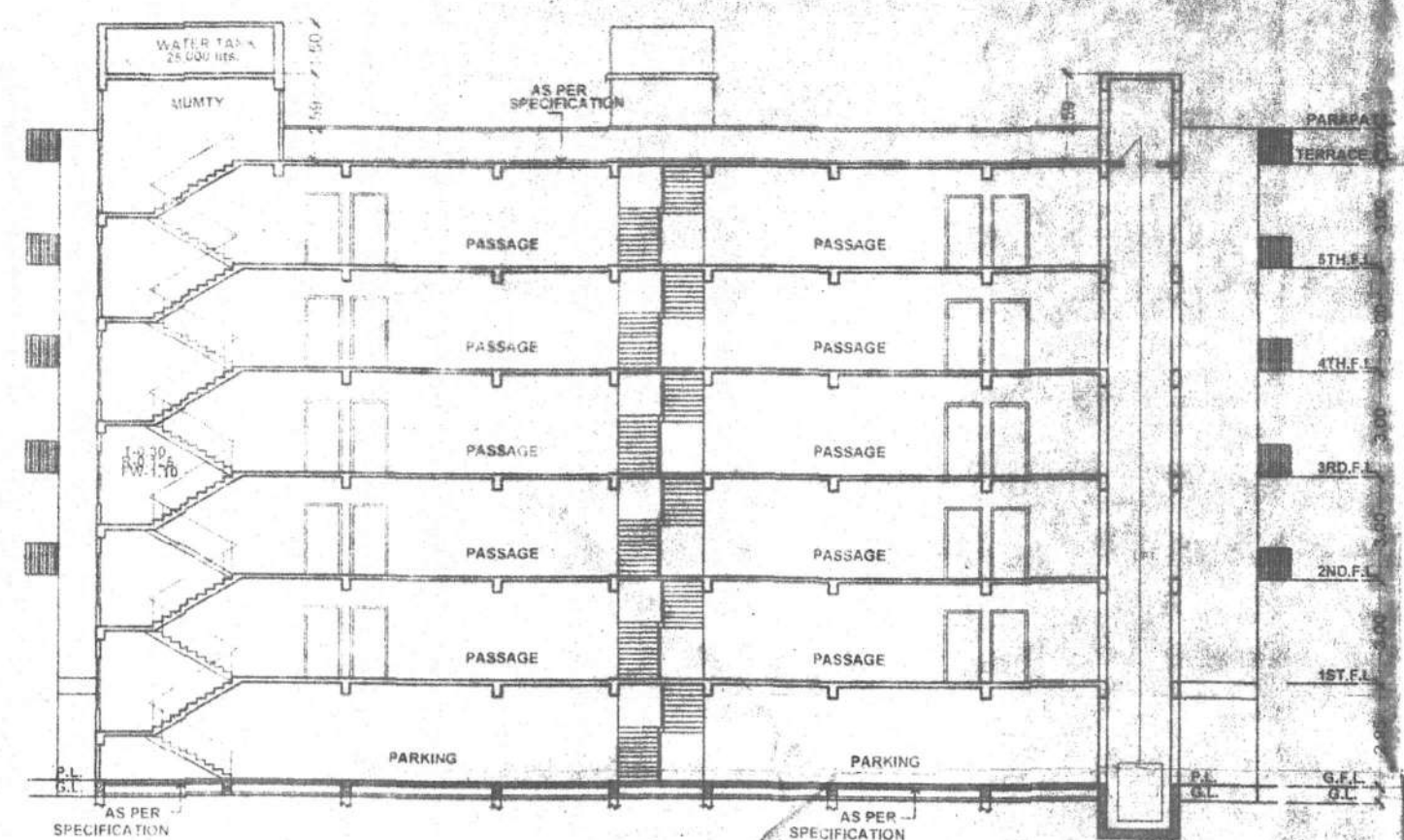
12TOR @ 5" C/C BOTHWAY

FOUNDATION DETAIL

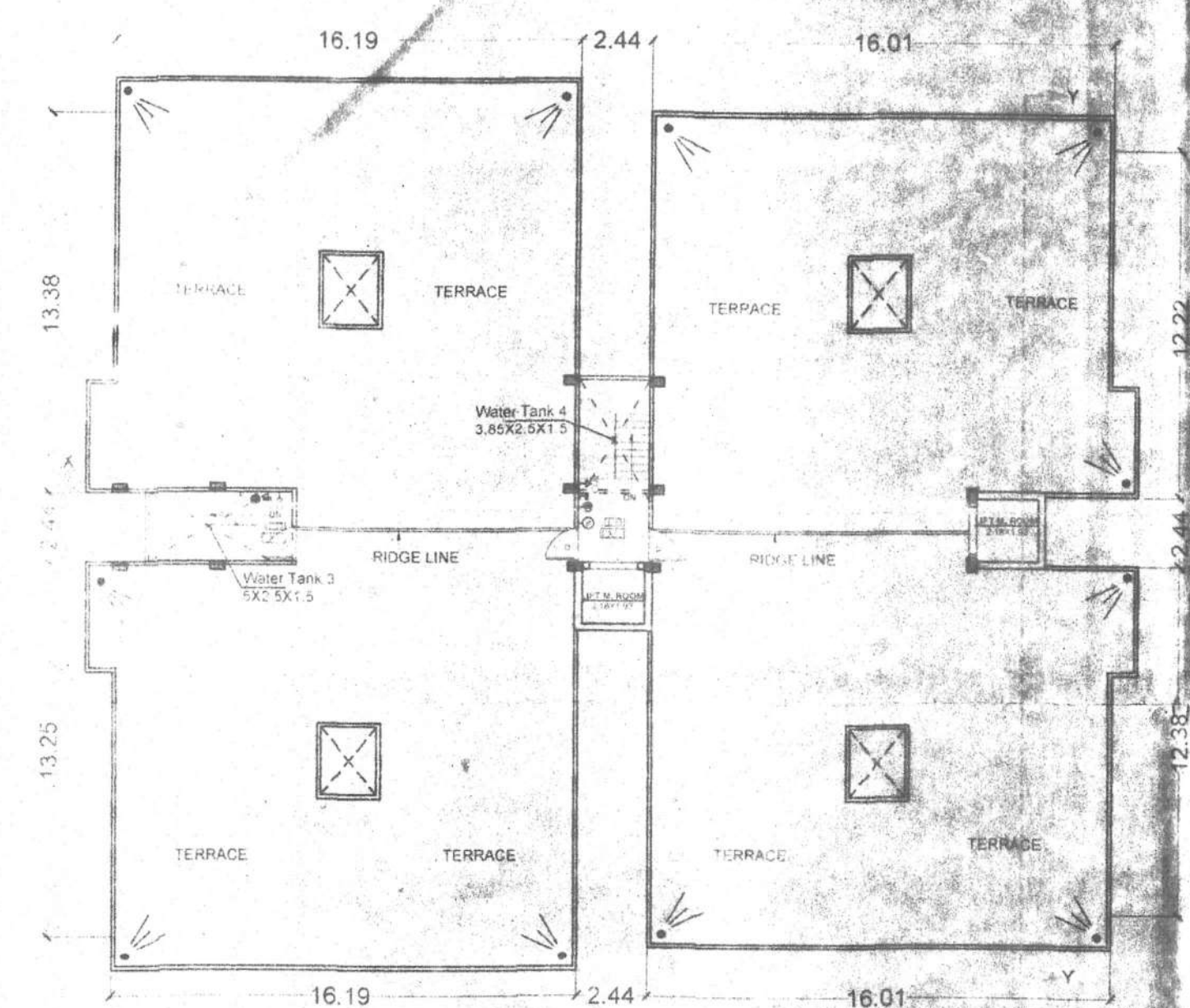
1" TH RCC SLAB
4" RCC
3" FBS
7" SAND FILLING

SECTION ON Z-Z

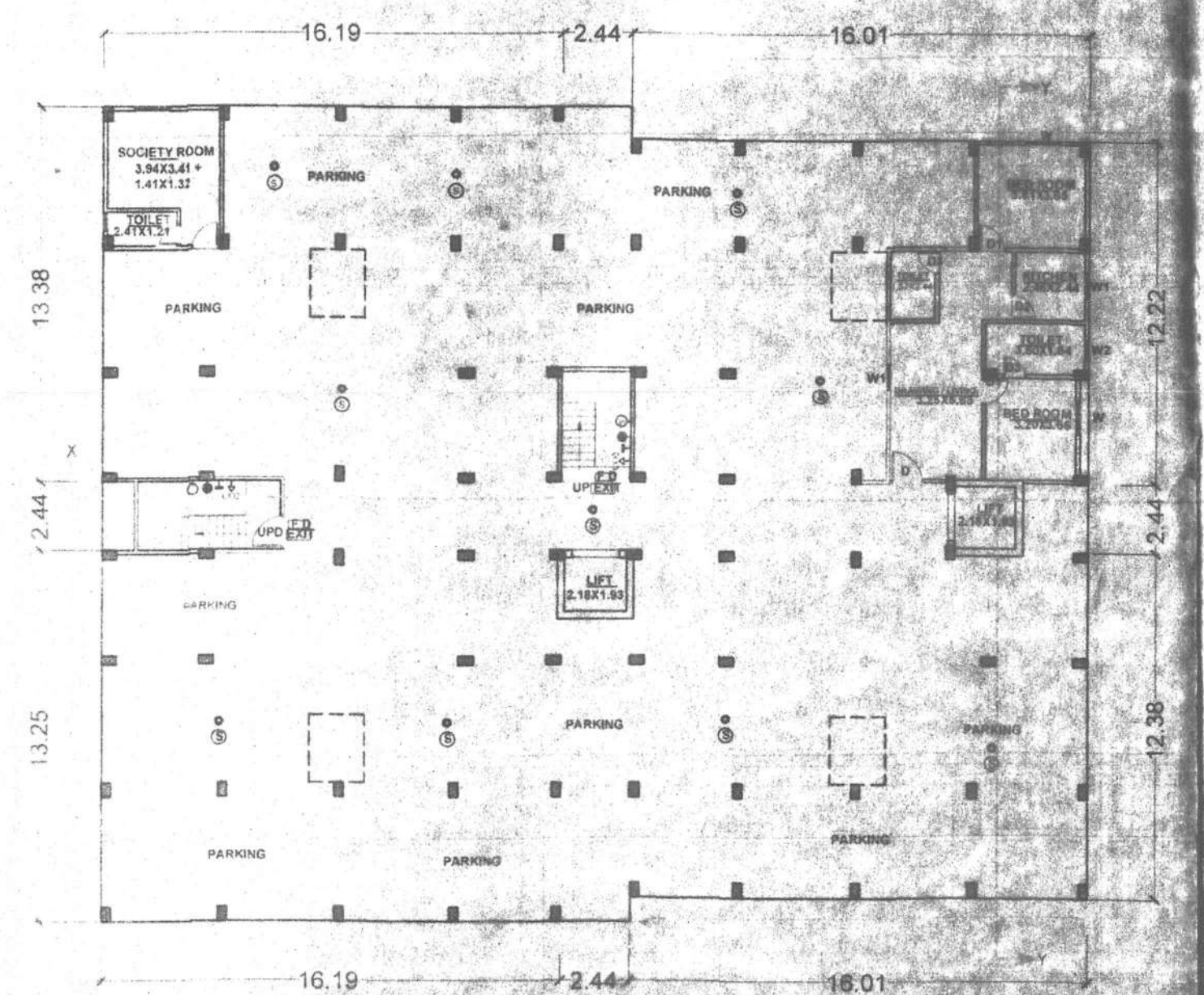
PLAN OF SEPTIC TANK



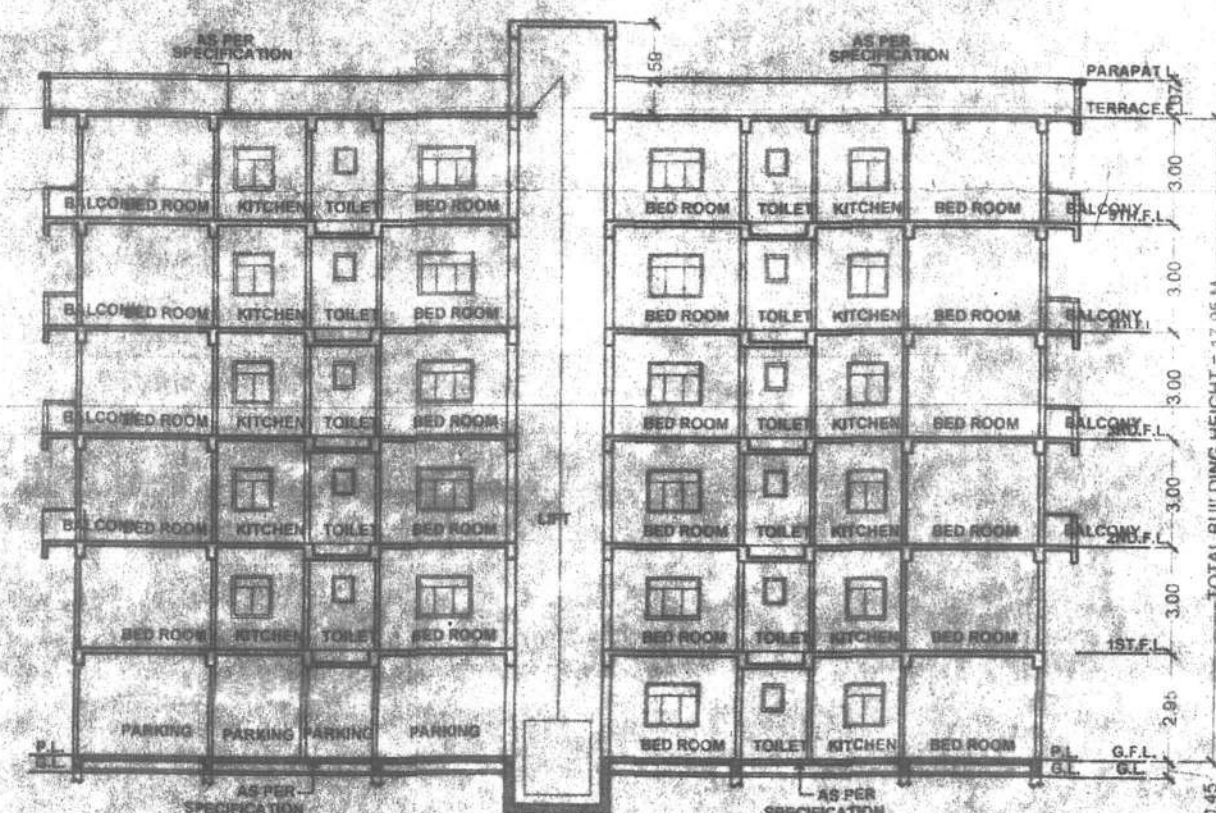
SECTION X-X
(BLOCK-B)



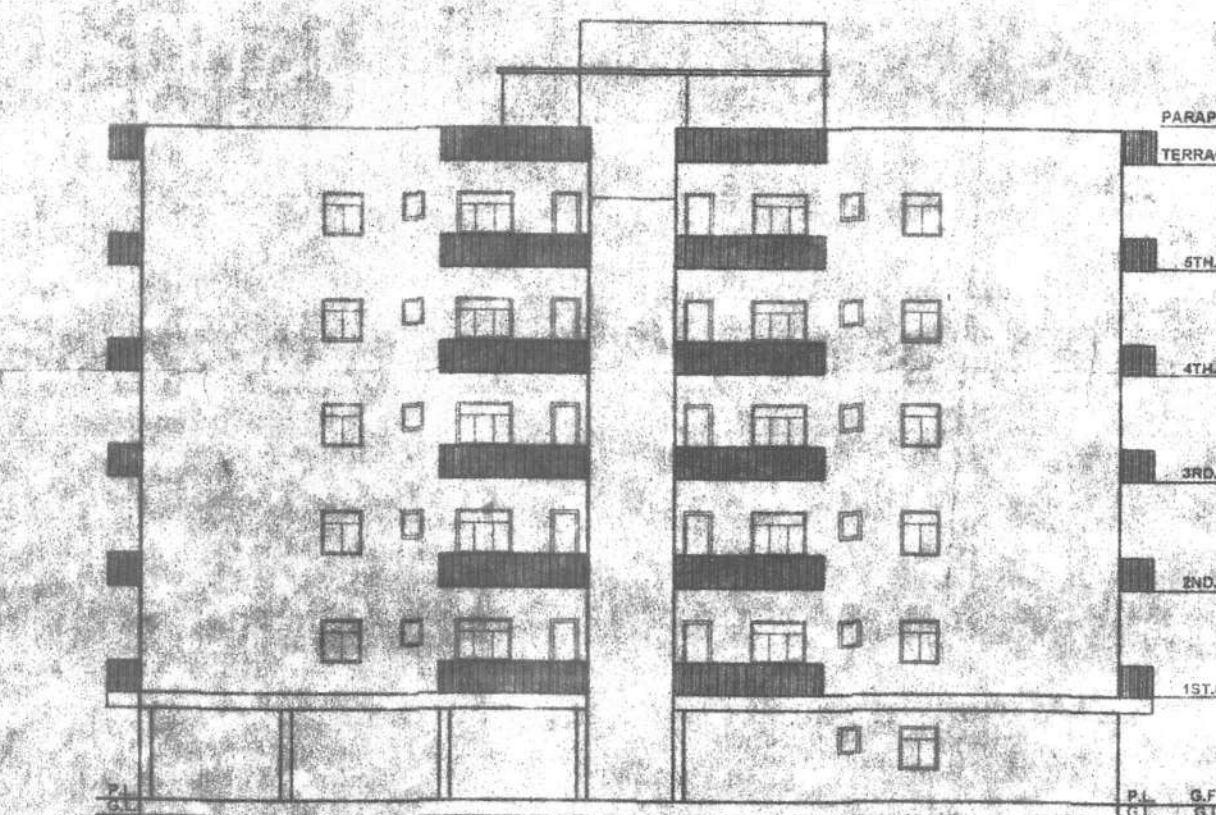
TERRACE FLOOR PLAN
(BLOCK-B)



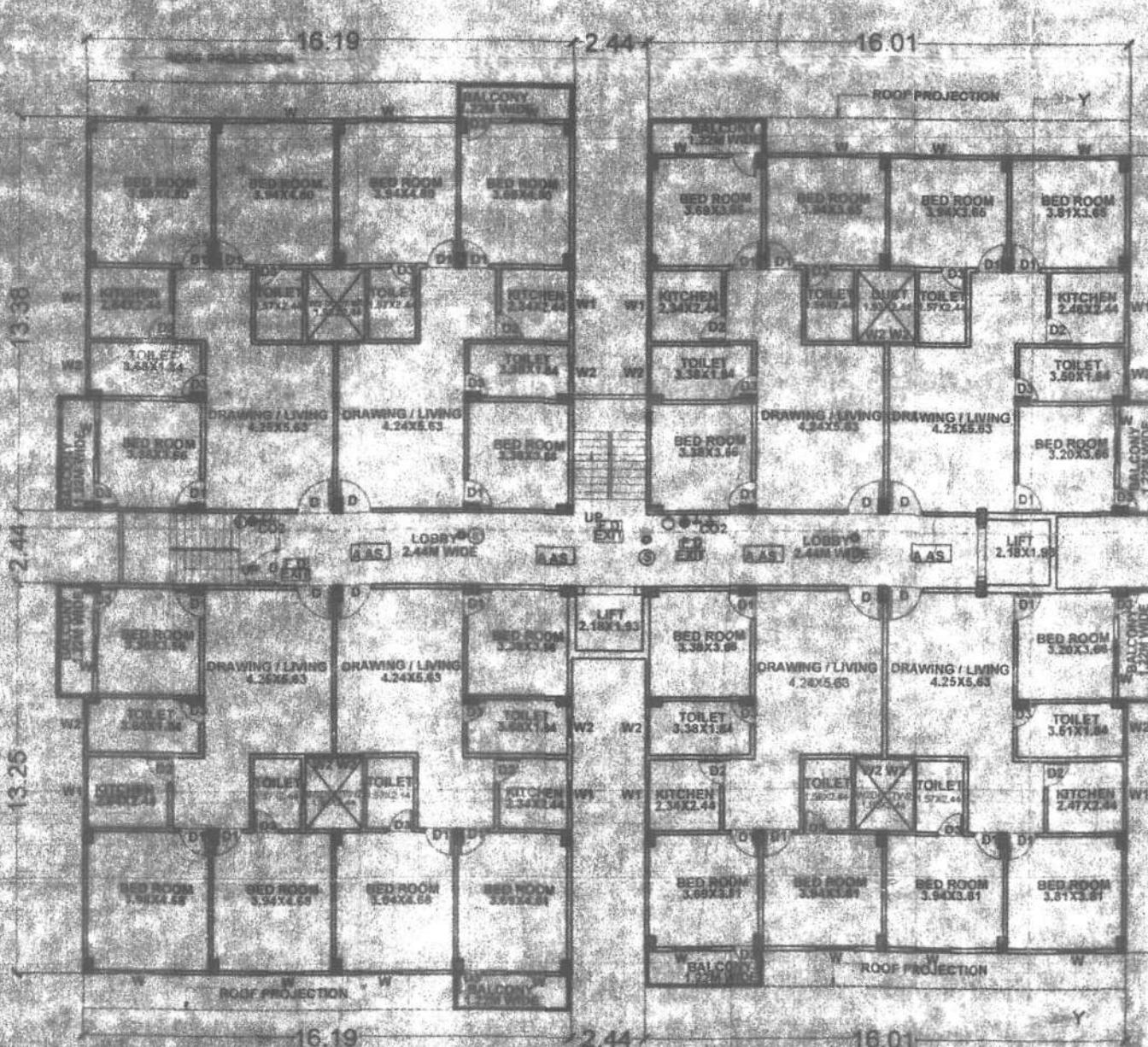
GROUND FLOOR PLAN
(BLOCK-B)



SECTION Y-Y
(BLOCK-B)



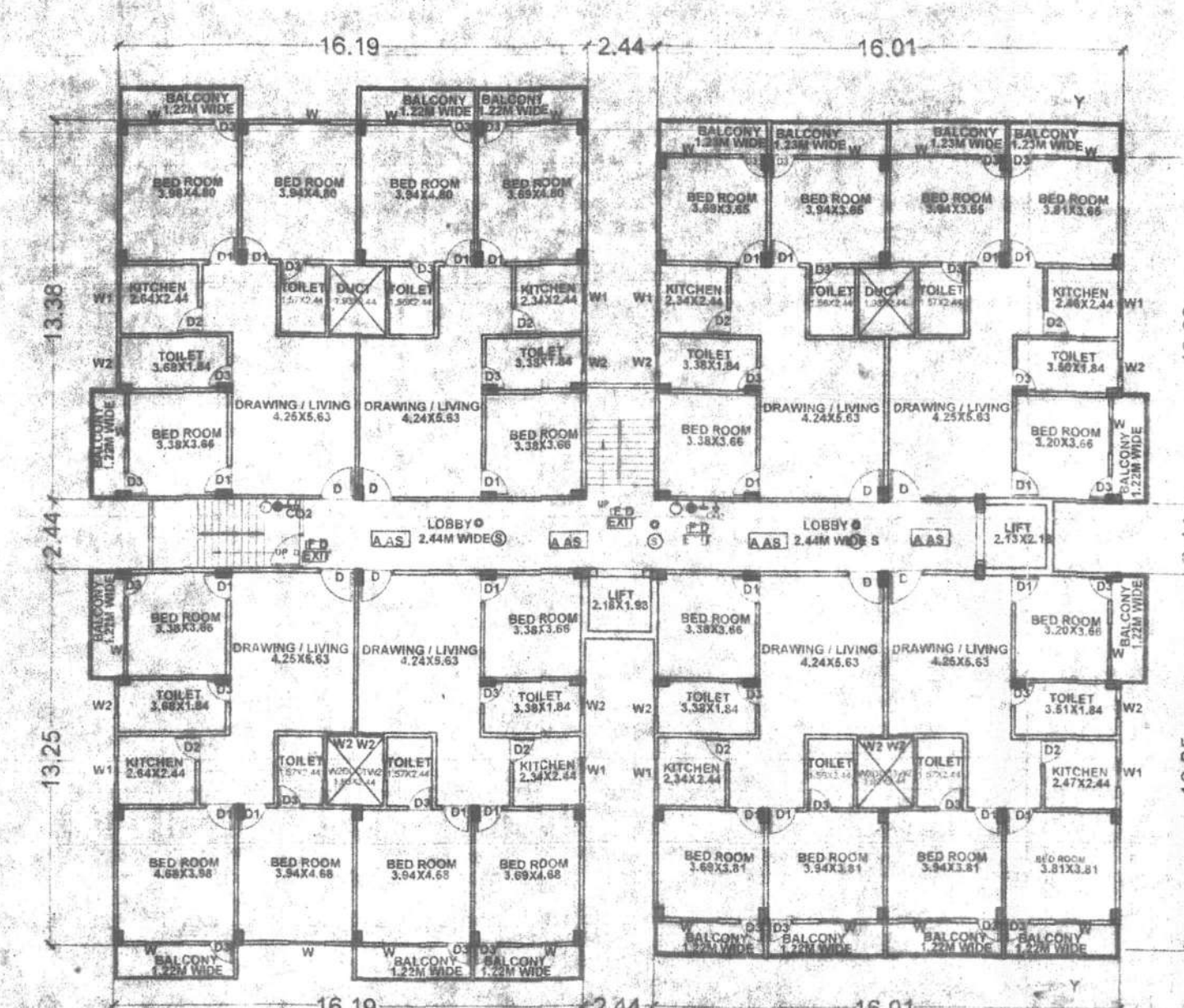
SIDE ELEVATION
(BLOCK-B)



1ST FLOOR PLAN
(BLOCK-B)



FRONT ELEVATION
(BLOCK-B)



2ND, 3RD, 4TH, 5TH
FLOOR PLAN
(BLOCK-B)

PARKING CALCULATION
TOTAL BUILT UP AREA = 9841.85 SQM
CONSIDERING 15% COMMON AREA
TOTAL AREA FOR PARKING CALCULATION
= 9841.85 X 0.85 = 8365.57 SQM.
PARKING REQUIRED = 25% OF BU AREA
8365.57 X 25% = 2091.39 SQM. REQ.
PROVIDED PARKING BASEMENT FLOOR = 976.95 SQM.
= 773.00 + 959.06 = 1732.06 SQM.
TOTAL PROVIDED PARKING AREA
= 976.95 + 1732.06 = 2709.01 SQM.

RAINWATER HARVESTING CALCULATION
TOTAL TERRACE AREA = 2058.80 Sqm
REQUIRED AREA FOR RAIN WATER HARVESTING
= 6 CUM. FOR EVERY 100 Sqm TERRACE AREA
SO THAT REQ. VOLUME FOR RAIN WATER
HARVESTING = 2058.80 / 100 = 20.588 CUM
PROVIDED SIZE = (3.5 X 3.5 X 6.0) X 2 = 147.00 C. M.

GREEN AREA CALCULATION
TOTAL PLOT AREA = 3937.00 SQM
GREEN AREA REQUIRED @ 10 % OF
TOTAL PLOT AREA = 393.70 SQM
PROVIDE GREEN AREA = 419.78 SQM

SEPTIC TANK CALCULATION

PER UNIT = 5 PERSON. SO THAT 80 UNIT
= 400 PERSON.
TOTAL = 400 PERSONS ONE PERSON
REQUIRED VOL = 0.085 CUM/DAY
TOTAL REQUIRED VOL = 400 X 0.085
= 34.0 CUM/DAY
SIZE OF SEPTIC TANK = (7.21 X 2.13 X 1.65) X 2
= 50.68 Cum

BOUNDARY

NORTH - OTHER PLOT
SOUTH - ROAD
EAST - OTHER PLOT
WEST - OTHER PLOT

FIRE LEGEND :-

1.	UNDER GROUND WATER TANK OF 25,000 LTRS. CAP.	25,000 LTRS.
2.	FIRE RESISTANCE DOOR	FD
3.	FIRE HYDRANT SYSTEM	FW
4.	HOSE REEL	HR
5.	MANUAL CALL ALARM POINT	MACAP
6.	FIRE EXTINGUISHER CO2 TYPE	FE
7.	ILLUMINATED EXIT DIRECTIONAL SIGN	IES
8.	SEAMSE CONNECTION	SC
9.	EMERGENCY LIGHTING SYSTEM	ELS
10.	FIRE SPRINKLER	S
11.	SMOKE DETECTOR	SD
12.	OVER HEAD WATER TANK OF 25,000 LTRS. CAP.	25,000 LTRS.
13.	BUSTER PUMP 900 LPM	BP
14.	EMERGENCY EXIT LIGHT	EEL

WATER TANK CALCULATION

PER UNIT = 5 PERSON, SO THAT 80 UNIT = 400 PERSON
TOTAL = 400 PERSONS
WATER REQUIREMENT OF 1 PERSON = 135 lt
TOTAL REQUIRED WATER = 400 X 135 Ltrs. = 54000 LTR/DAY
10000L WATER FOR FIRE FIGHTING
TOTAL REQUIRED WATER TANK = 64.00 CUM
SIZE OF WATER TANK 1 = (4.85 X 2.50 X 1.50) = 18.19 Cum
SIZE OF WATER TANK 2 = (3.65 X 2.50 X 1.50) = 13.69 Cum
SIZE OF WATER TANK 3 = (5 X 2.50 X 1.50) = 18.75 Cum
SIZE OF WATER TANK 4 = (3.85 X 2.50 X 1.50) = 14.44 Cum
TOTAL SIZE OF WATER TANK = 90.07 Cum

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- .10 TK. R.C.C. SLAB WITH .12TK. LIME TERRACING.
- PLASTER : .015 TK. CEMENT PLASTER 1:6 BOTHSIDE OF WALL.
- TEAK WOOD FRAME & SALWOOD SHUTTER ALL THE DOORS AND WINDOWS
- INSIDE TWO COTS WHITE WASH AND OUT SIDE COLOUR WASH.
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- ROUND THE CLOCK WATER SUPPLY BY MEAN OF AND OWN BORING / CONTINUOUS MUNICIPAL SUPPLY.

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BUILT-UP-AREA :- BLOCK B
GROUND FLOOR :- 99.00 sqm
FIRST FLOOR :- 872.00 sqm
SECOND FLOOR :- 872.00 sqm
THIRD FLOOR :- 872.00 sqm
FOURTH FLOOR :- 872.00 sqm
FIFTH FLOOR :- 872.00 sqm
TOTAL 4459.00 sqm

BALCONY AREA :-
FIRST FLOOR :- 35.86 sqm.
2ND TO 5TH :- 90.935 X 4 = 363.74 sqm.
TOTAL BALCONY AREA :- 399.6 sqm.
AREA FOR CALCULATION :- 399.6 / 2 = 199.8 sqm.

TOTAL F.A.R. AREA OF BLOCK - B :-
4459.00 + 199.8 = 4658.80 sqm.

SCALE NORTH

1: 100

SHEET - 2

M/s Raj Construction
Sanyendra Krsn Singh
Partner

SIGNATURE OF
DEVELOPER

M/s Raj Construction
Sanyendra Krsn Singh
Partner

SIGNATURE OF
OWNER

Er. Rajiv Kumar Agrawal
Reg. Structural Engineer
ULB Reg. No. 09

SIGNATURE OF
STRUCTURE ENGINEER

Nitesh Kr. Singh
(Registered Architect)
Reg. No. CA/2021/12794

SIGNATURE OF
ARCHITECT

APPROVAL AUTHORITY