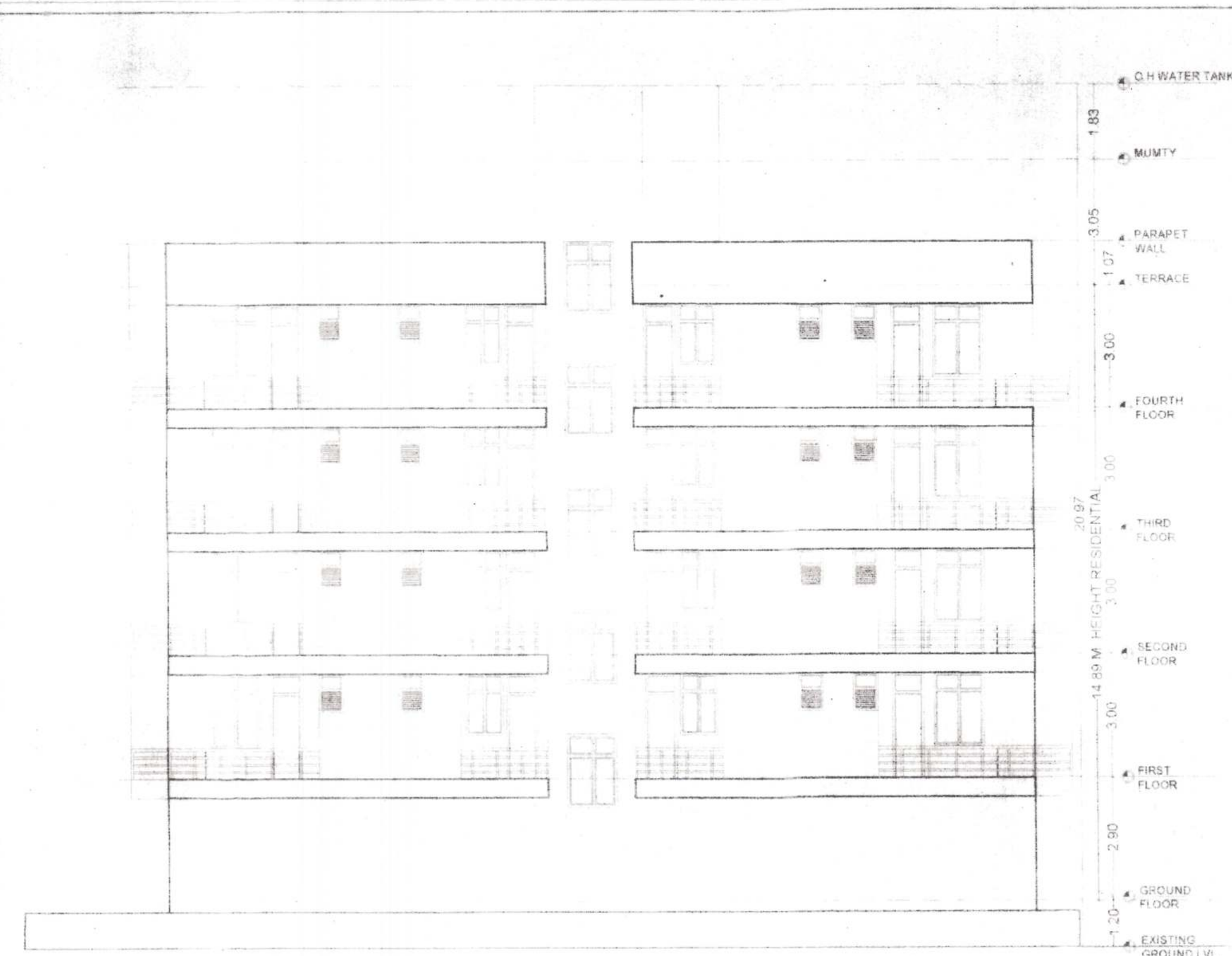
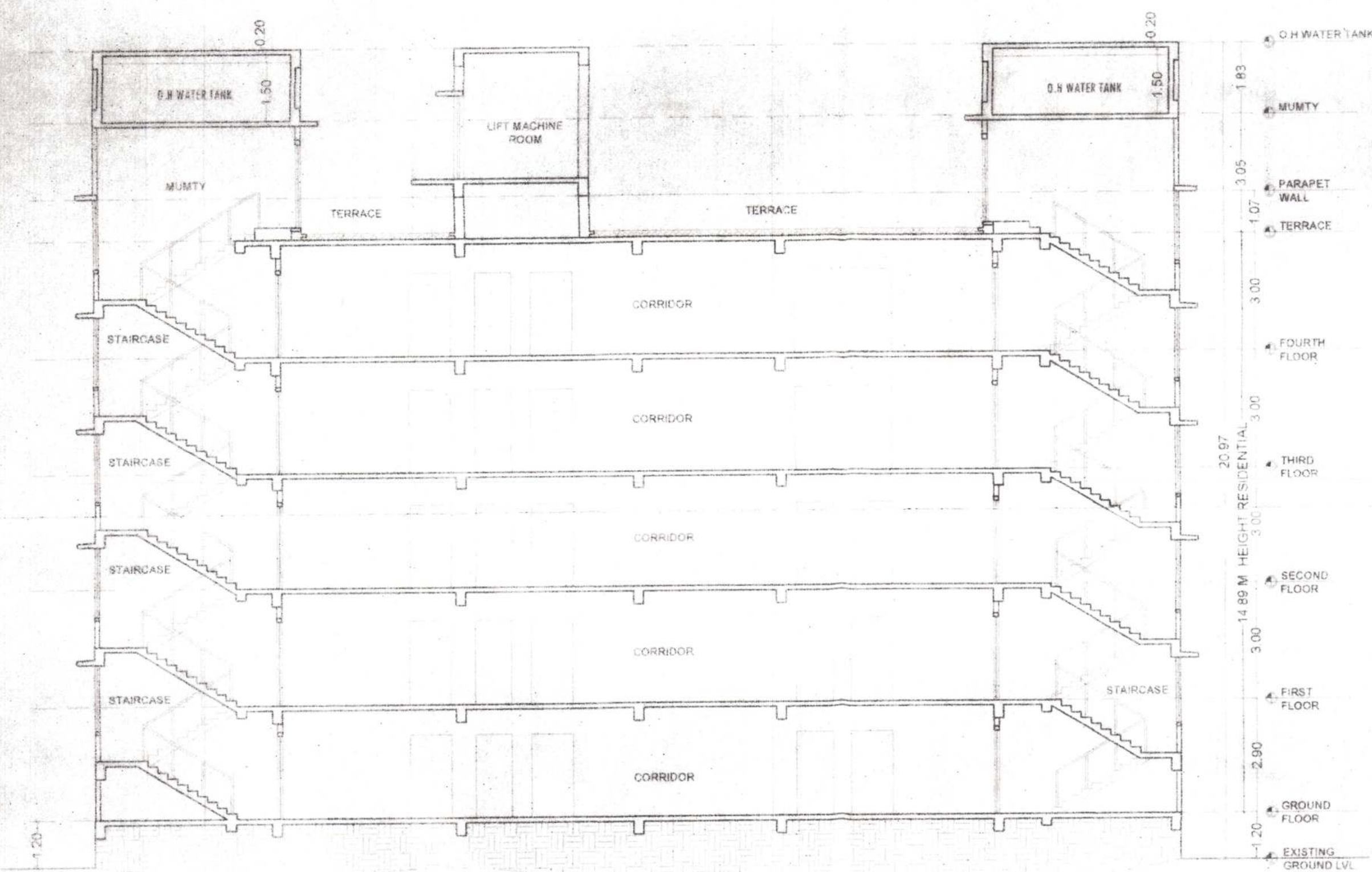




FRONT ELEVATION



RIGHT SIDE ELEVATION



SECTION X-X



SECTION Y-Y

SCHEDULE OF DOORS, WINDOWS

TYPE	WIDTH	HEIGHT	SILL. LEV.	LIN. LEV.	DESCRIPTION
D	1.07	2.54	0.0	2.54	SINGLE LEAF DOOR
D1	0.99	2.13	0.0	2.13	SINGLE LEAF DOOR
D2	0.91	2.13	0.0	2.13	SINGLE LEAF DOOR
D3	0.76	2.13	0.0	2.13	SINGLE LEAF DOOR
D4	0.76	2.54	0.0	2.54	SINGLE LEAF DOOR
W1	1.22	1.78	0.76	2.54	FULLY GLAZED WIN.
W2	1.07	1.78	0.76	2.54	FULLY GLAZED WIN.
W3	0.91	1.78	1.07	2.54	FULLY GLAZED WIN.
W4	0.91	1.78	0.76	2.54	FULLY GLAZED WIN.
V	0.61	0.61	1.93	2.54	GLAZED VENTILATOR
V1	1.83	0.61	1.98	2.89	GLAZED VENTILATOR
DW1	0.76	0.91	2.54	1.78	PARTIALLY GLAZED

SPECIFICATION

1. R.C.C. PILES FOUNDATION AS PER STRUCTURAL DESIGN
2. 1ST CLASS BRICK WORK IN CEMENT MORTAR (1:6) IN SUPER STRUCTURE
3. 0.112 TH LIME TERRACING OVER 0.10 TH R.C.C. SLAB ON TOP FLOOR
4. 0.025 TH I.P.S. FLOORING OVER 0.15 TH DRY RAMMED KHOA OVER 0.075 TH FLAT BRICK SOLING
5. 12MM TH. CEMENT PLASTER ON BOTH SIDE OF WALL
6. ALL FLUSH DOORS AND STEEL FRAME WITH GLAZED WINDOW
7. WHITE AND COLOR WASH AS PER CHOICE

RAIN WATER HARVESTING SUMP CALCULATION

TERRACE FLOOR AREA = 612.50 sq. m.
 RAIN WATER HARVESTING SUMP REQD. IS 6 CUM FOR EVERY 100 SQM. OF TERRACE AREA.
 SO TOTAL REQ. CAPACITY OF SUMP = 6.12 X 6 = 36.72 cu. m.
 TOTAL REQUIRED CAPACITY OF SUMP = 36.72
 PROVIDED TANK SIZE = 6.0X2.5X2.5 = 37.50 cu. m.
 TOTAL VOLUME OF SUMP = 37.50 cu. m.

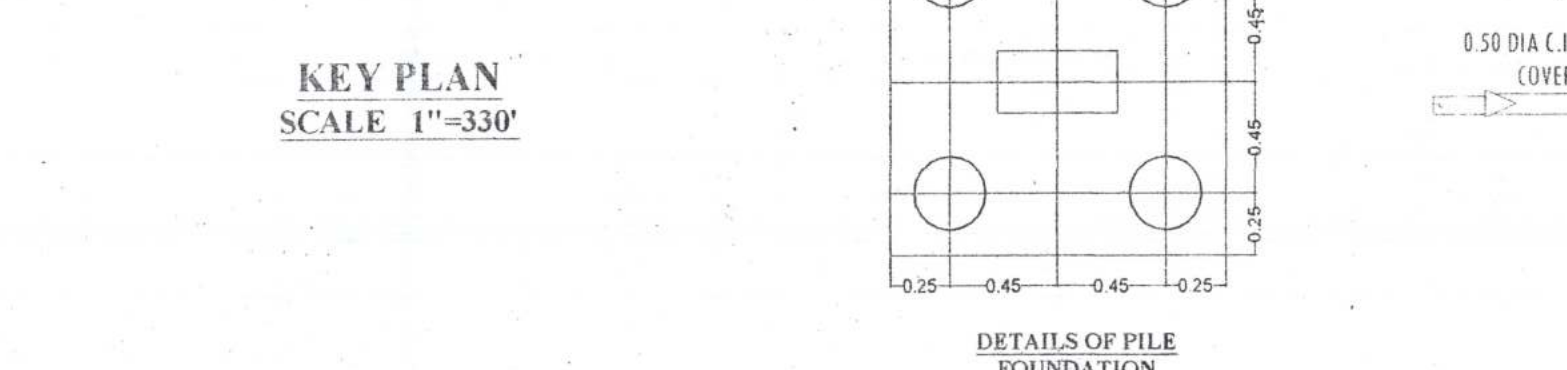
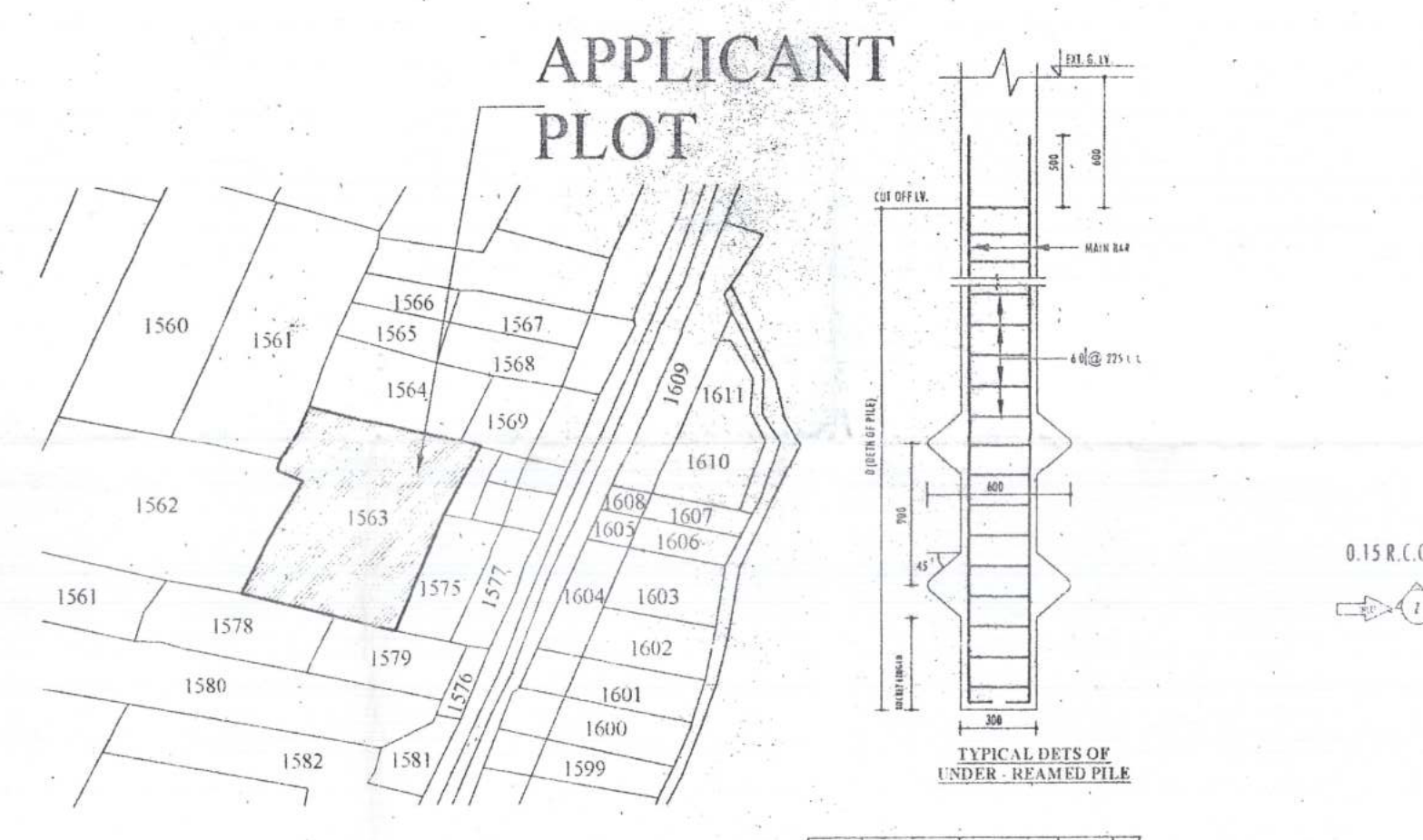
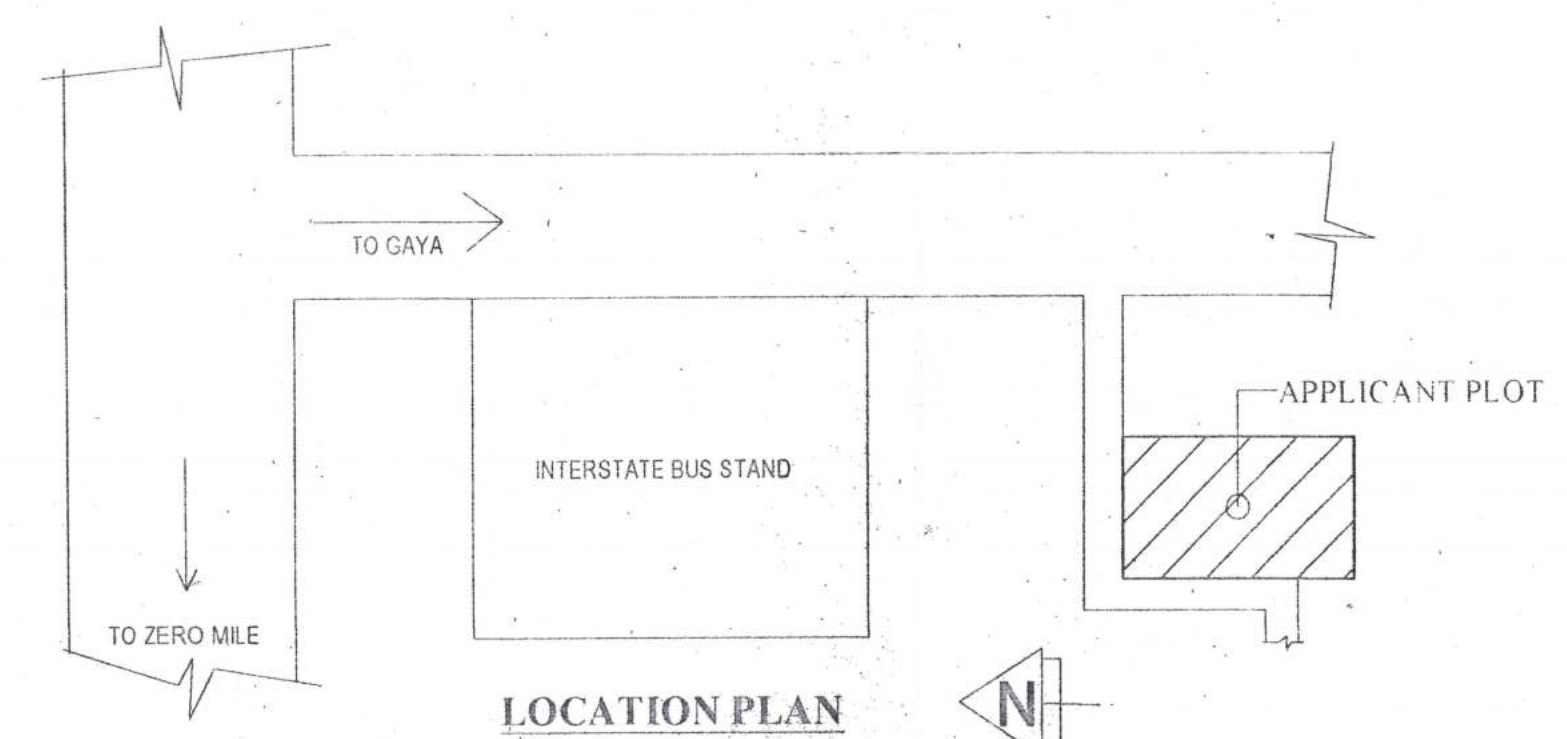
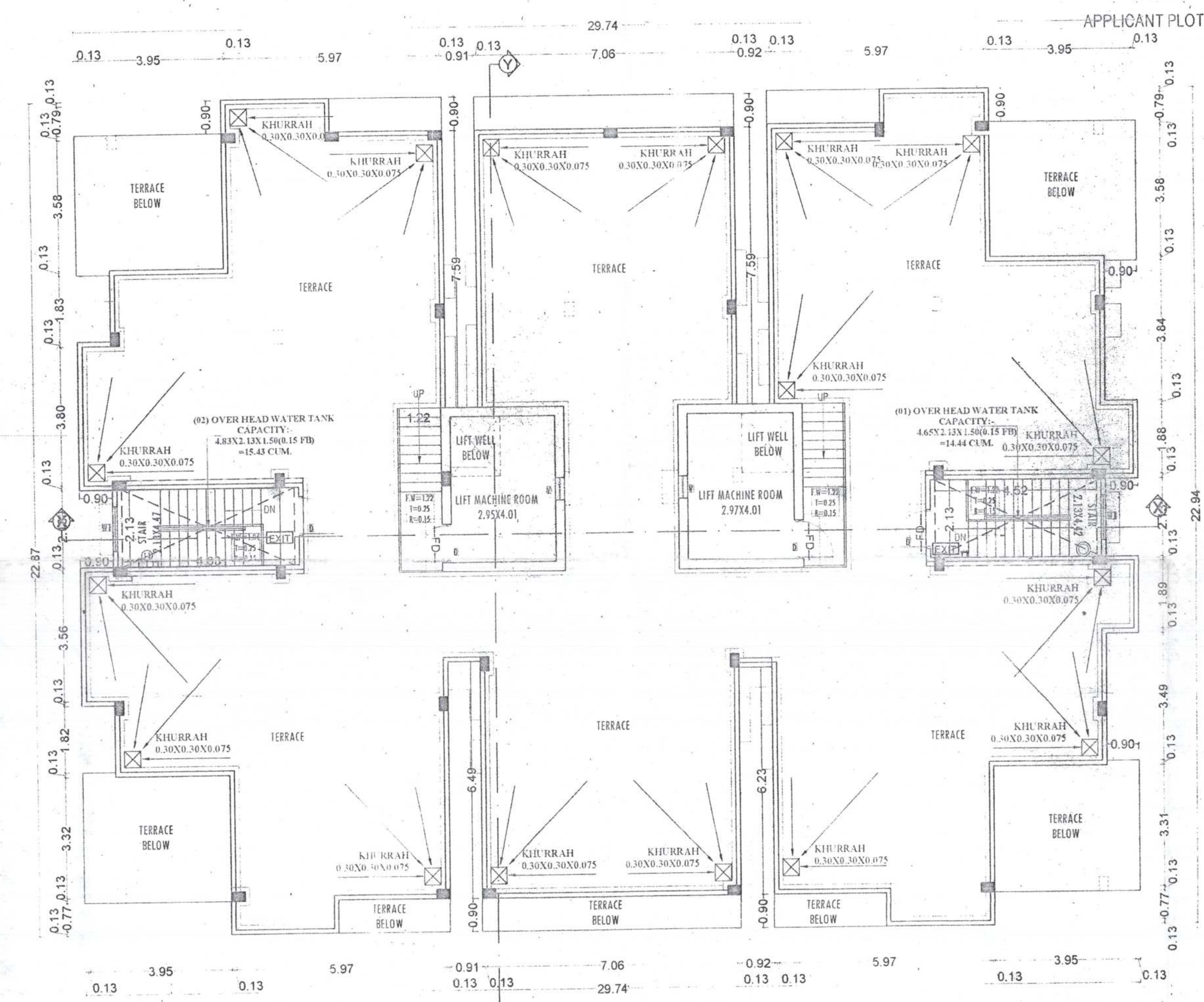
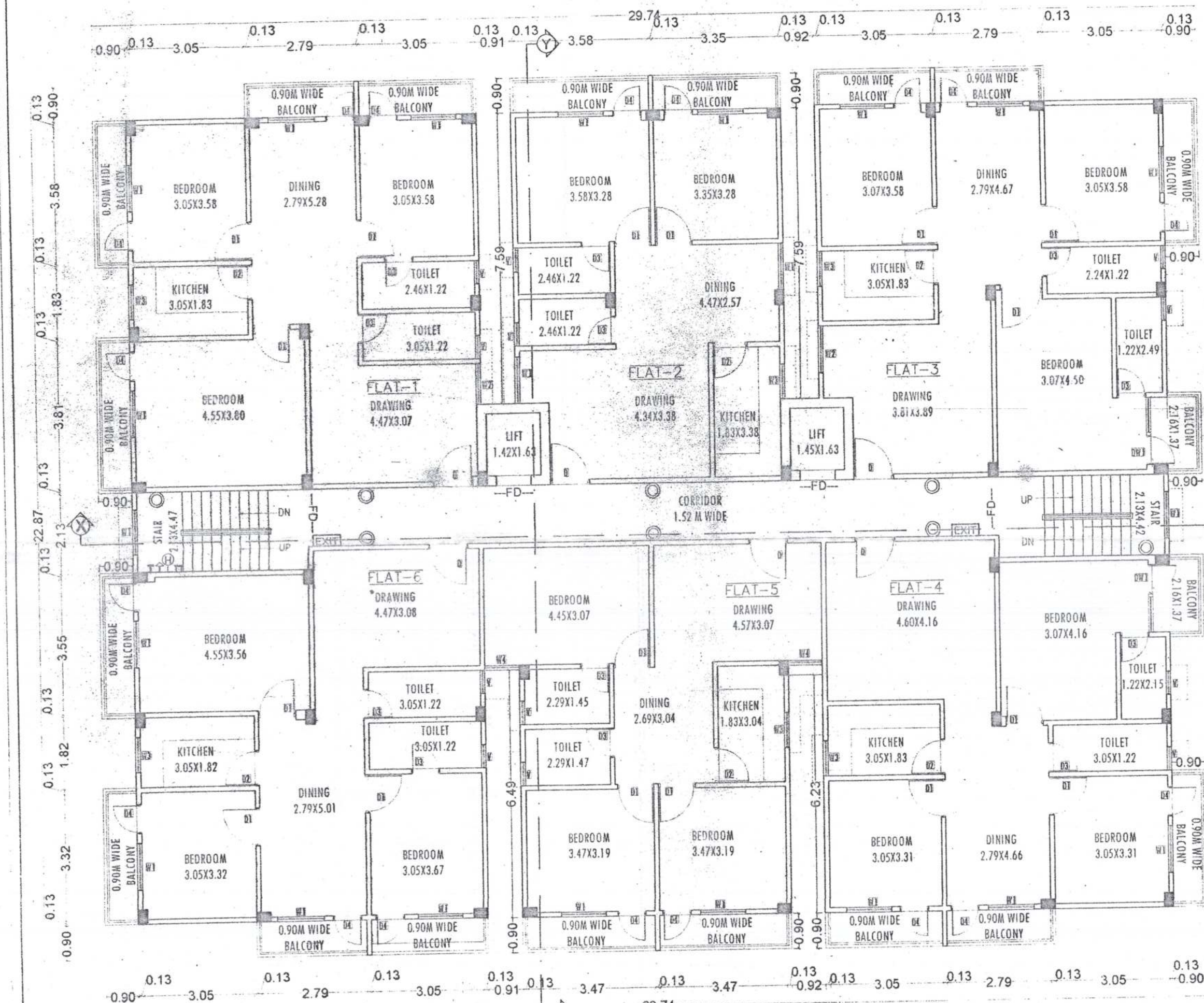
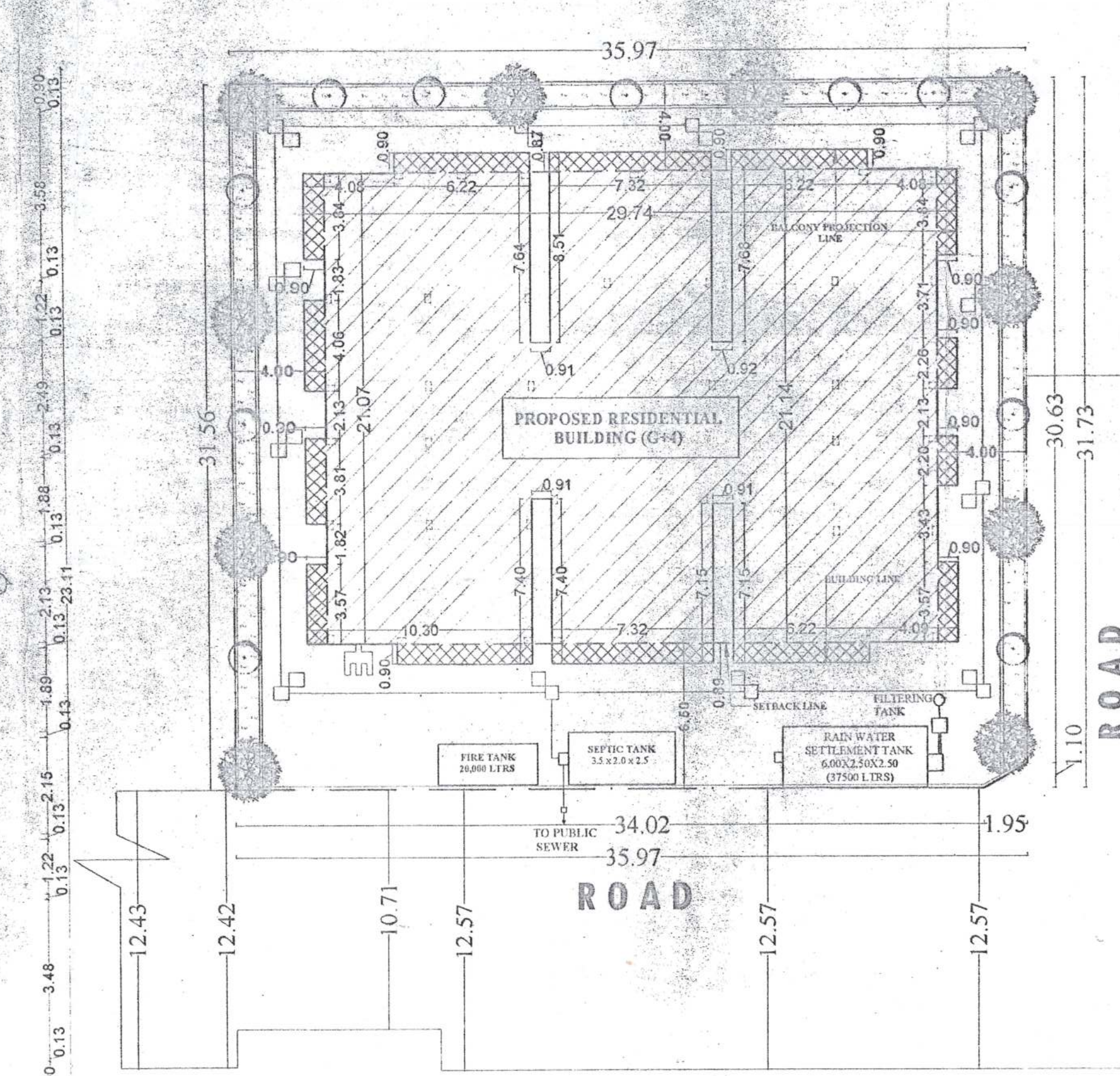
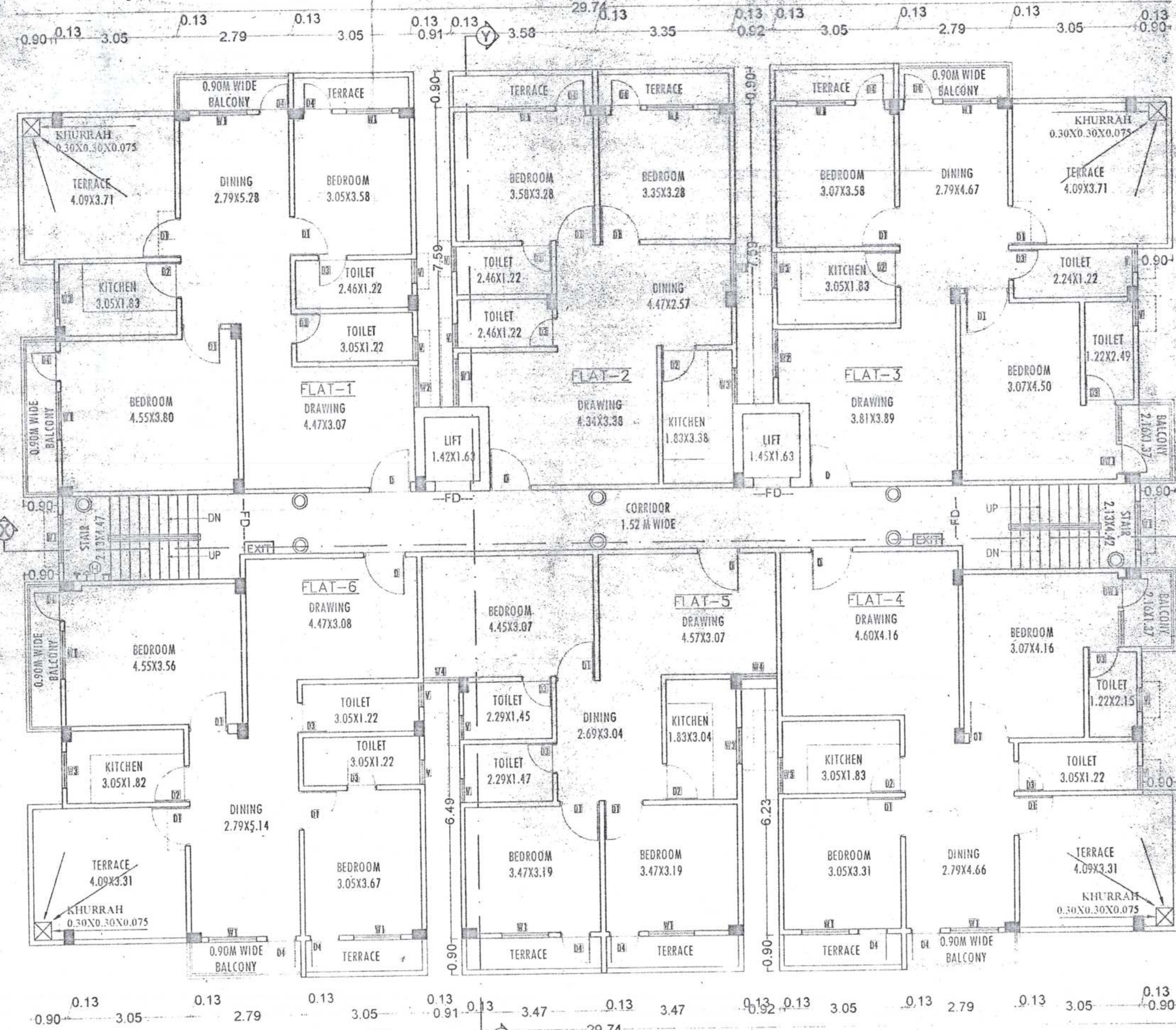
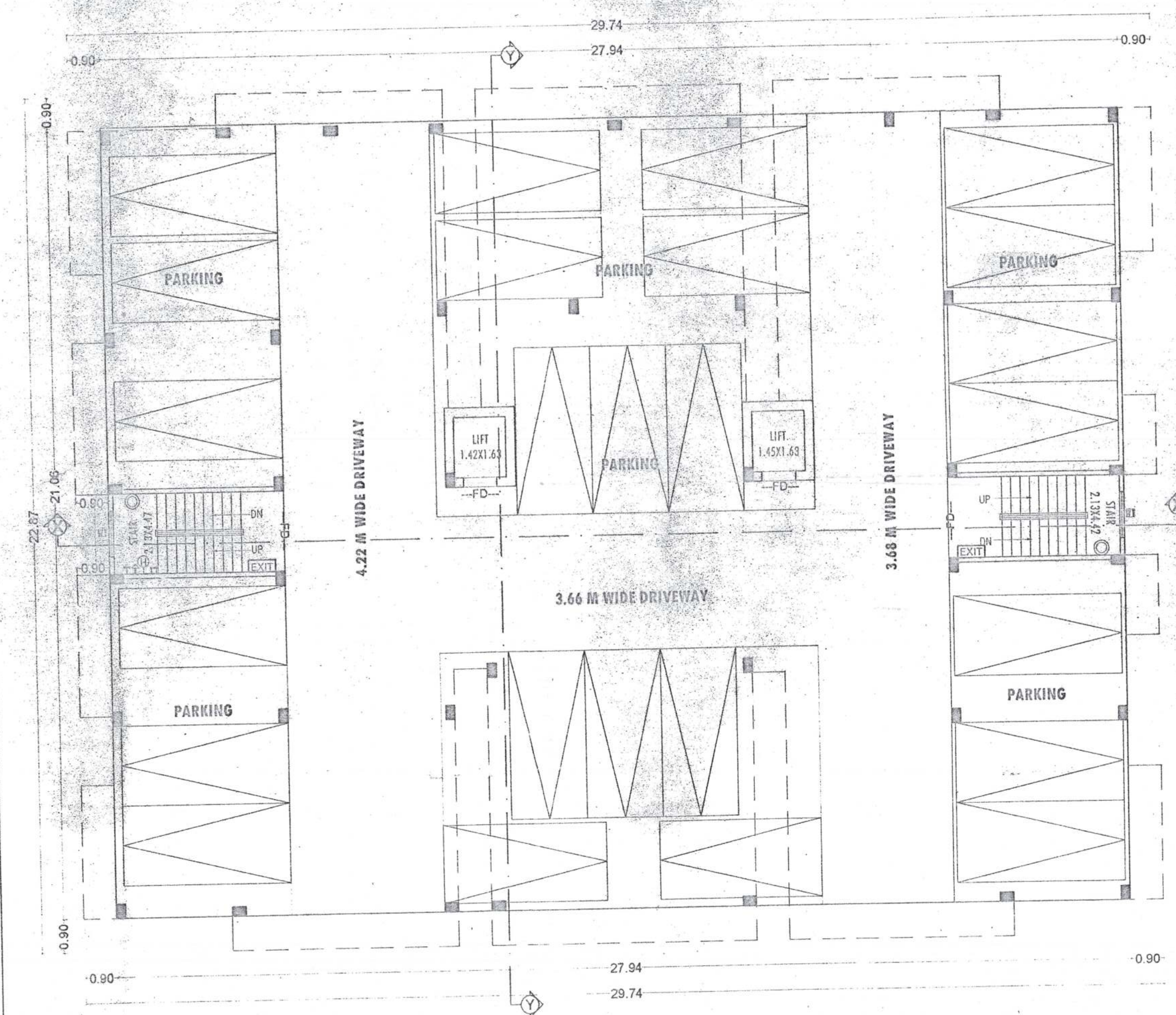
PLOT DETAILS :-

PROPOSED MANJUSHRI BALBHADRA RESIDENCY HAVING MAI ZA-PAHARI, THANA NO.-14, KHESHRA NO.-1563(P) KHATA NO.-304, DISTRICT-PATNA
 LAND OWNER :-
 1. SMT MANJU PRASAD D/O SRI AYODHYA PRASAD
 2. SMT PREMA PRASAD D/O LATE RAMGAHAN PRASAD
 DEVELOPER DETAIL :-
 M/S S.M. ENGICON PVT. LTD.
 DIRECTOR - SUMAN KUMAR MANJHI S/O LATE YOG NARAYAN MANJHI

SHEET NO.	SCALE	NORTH
S.D.-02/02	1:100 1:200	
For S.M. ENGICON PVT. LTD. सुमन कुमार मंजु Director SIGNATURE OF DEVELOPER	AMIT KUMAR ARCHITECT EMPL NO - AR/08/15 PATNA NAGAR NIGAM SIGNATURE OF ARCHITECT	
मंजू प्रसाद Purna Prasad SIGNATURE OF OWNER	Brishesh Kumar Sinha Structural Engineer SE/02/16 Patna Municipal Corporation PATNA, ENGINEER	

Patna Metropolitan Area Authority
 Sanction of Plan case no. 17/11/16
 dated 28.10.2016 on Date 28.10.2016
 Development Control Regulations for Patna Master Plan 2031 (Byelaws no 8/4) of Bihar Building Byelaws 2014 vide notification no 831/8/32 dated 28.10.2016 on Date 28.10.2016

बिहार मू-सम्पदा (प्रेमियम विकास) नियमवली, 2017 की शर्तों के अधीन राज्य में महिला निवासन प्राधिकरण से इस परियोजना का निवेदन स्वीकृत है।
 For S.M. ENGICON PVT. LTD.
 सुमन कुमार मंजु
Director



AREA CALCULATION		SCHEDULE OF DOORS, WINDOWS					
TOTAL PLOT AREA AS PER DEED = 1195.316 sq.m.		TYPE	WIDTH	HEIGHT	SILL LEV.	LIN LEV.	DESCRIPTION
TOTAL PLOT AREA AS PER SITE = 1137.35 sq.m.		D 1	1.07	2.54	0.0	2.54	SINGLE LEAF DOOR
GROUND FLOOR B/U AREA = 19.75 sq.m.		D1	0.99	2.13	0.0	2.13	SINGLE LEAF DOOR
FIRST FLOOR B/U AREA = 578.83 sq.m.		D2	0.91	2.13	0.0	2.13	SINGLE LEAF DOOR
SECOND FLOOR B/U AREA = 578.83sq.m.		D3	0.76	2.13	0.0	2.13	SINGLE LEAF DOOR
THIRD FLOOR B/U AREA = 578.83 sq.m.		D4	0.76	2.54	0.0	2.54	SINGLE LEAF DOOR
FOURTH FLOOR B/U AREA = 514.39 sq.m.		W1	1.22	1.78	0.76	2.54	FULLY GLAZED WIN.
TOTAL B/U AREA = 2270.63 sq.m.		W2	1.07	1.78	0.76	2.54	FULLY GLAZED WIN.
F.A.R. = $\frac{\text{total built up area}}{\text{Plot area}} = 2270.63/1137.35 = 1.99$		W3	0.91	1.78	1.07	2.54	FULLY GLAZED WIN.
		W4	0.91	1.78	0.76	2.54	FULLY GLAZED WIN.
		Y	0.61	0.61	1.93	2.54	GLAZED VENTILATOR
		Y1	1.83	0.61	1.98	2.59	GLAZED VENTILATOR
		DWI	0.76/0.91	2.54/1.78	0.0/0.76	2.54/2.54	PARTIALLY GLAZED

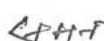
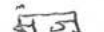
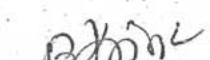
PARKING CALCULATION	SPECIFICATION
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PROPOSED RESIDENTIAL PARKING REQUIRED PARKING AREA = 25% OF TOTAL B U AREA TOTAL B U AREA = 2270.63 sq.m. TOTAL REQUIRED PARKING AREA = 571.56 sq.m. PROVIDED PARKING AREA PROVIDED = 586.75 sq.m.	1. R.C.C. PILES FOUNDATION AS PER STRUCTURAL DESIGN 2. 1ST CLASS BRICK WORK IN CEMENT MORTAR (1:6) IN SUPER STRUCTURE 3. 0.112 TH LIME TERRACING OVER 0.10 TH R.C.C. SLAB ON TOP FLOOR 4. 0.025 TH 1:P.S. FLOORING OVER 0.15 TH. DRY RAMMED KHOA OVER 0.075 TH FLAT BRICK SOLING 5. 12MM TH. CEMENT PLASTER ON BOTH SIDE OF WALL 6. ALL FLUSH DOORS AND STEEL FRAME WITH GLAZED WINDOW 7. WHITE AND COLOR WASH AS PER CHOICE
<u>WATER TANK CALCULATION</u> TOTAL NO. OF FLATS - 24 ASSUMING 5 PERSON PER FLAT TOTAL NO. OF PERSON = 24X5 = 120 RESIDENTIAL WATER DEMAND @135 LPCD = 120 x135	

ADDITIONAL FIRE FIGHTING = 10000 L

TOTAL REQUIRED VOLUME OF WATER TANK $= 16200 + 10000 = 26200 \text{ L} = 26.20 \text{ cu.m}$ PROVIDE VOLUME OF WATER TANK SIZE $= L \times B \times (H+FB)$ 01) $4.83 \times 2.13 \times (1.5 + 0.15) = 15.43 \text{ cu.m}$ 02) $4.65 \times 2.13 \times (1.5 + 0.15) = 14.44 \text{ cu.m}$ TOTAL PROVIDED WATER TANK CAPACITY $= (15.43 + 14.44) \text{ KL} = 29.87 \text{ KL}$ GREEN AREA CALCULATION REQUIRED GREEN AREA 10% OF TOTAL PLOT AREA	TERRACE FLOOR AREA = 612.50 sq.m. RAIN WATER HARVESTING SUMP REQD. IS 6 CUM FOR EVERY 100 SQM. OF TERRACE AREA. SO TOTAL REQ. CAPACITY OF SUMP = 6.12×6 = 36.72 cu.m. TOTAL REQUIRED CAPACITY OF SUMP = 36.72 PROVIDED TANK SIZE = $6.0 \times 2.5 \times 2.5 = 37.50 \text{ cu.m}$ TOTAL VOLUME OF SUMP = 37.50 cu.m
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TOTAL PLOT AREA = 1137.38 sq.m.		PLOT DETAILS :- PROPOSED MANJUSHRI BALBHADRA RESIDENCY HAVING MAUZA-PAHARI, THANA NO-14, KHESHA NO-1563(P) KHATA NO.-304, DISTRICT-PATNA LAND OWNER :- 1. SMT MANJU PRASAD D/O SRI AYODHYA PRASAD 2. SMT PREMA PRASAD D/O LATE RAMGAHAN PRASAD DEVELOPER DETAIL :- M/S. S.M. ENGINEER PVT. LTD. DIRECTOR - SUMAN KUMAR MANJHI S/O LATE YOG NARAYAN MANJHI
So, REQUIRED GREEN AREA = 113.73 sq.m.		
TOTAL PROVIDED GREEN AREA = 116.96 sq.m.		
FIRE LEGEND:- 01 HYDRANT OUT LET VALVE WET  02 HOSE REEL  03 SEMAC CONNECTED FOR FIRE BRIGADECONNECTED TO WET RISER  04 ELECTRICALLY INSULATED METAL STRIP  05 UNDER GROUND TANK OF 20,000 LTRS.  06 D.H.W TANK FOR FIRE FIGHTING  07 DRYICE TON, RAMEI		

08 FIRE ALARM CALL POINT  09 AUDIBLE ALARM CALL POINT  10 LOUDSPEAKER OUTLET  11 CO2 FIRE EXTINGUISHER  12 FIRE RESISTANT DOOR  13 AUTOMATIC SMOKE DETECTOR  14 AUTOMATIC SPRINKLER INSTALLATION 	SHEET NO. S.D -01/01	SCALE. 1 : 100 1 : 200	NORTH 
SEPTIC TANK CALCULATION TOTAL NO. OF FLATS - 24 ASSUMING 5 PERSON PER FLAT , TOTAL NO. OF PERSON = 24X5 = 120 PER PERSON REQD. = 0.085 cu.m/day TOTAL VOLUME REQD. = 120 x 0.085 = 10.20 cu.m VOLUME OF SEPTIC TANK SIZE = 3.5 x 2.0 x 2.5 = 17.5 cu.m TOTAL PROVIDED VOLUME OF SEPTIC TANK = 17.5 cu.m	For S.M. ENGICON PVT. LTD.  Director SIGNATURE OF DEVELOPER  	AMIT KUMAR ARCHITECT EMPL NO - AR/08/15 PATNA INAGAR NIGAM ARCHITECT	 Brarajesh Kumar Sii.ha Structural Engineer 58/02/16 Patna Municipal Corporation
	SIGNATURE OF		

