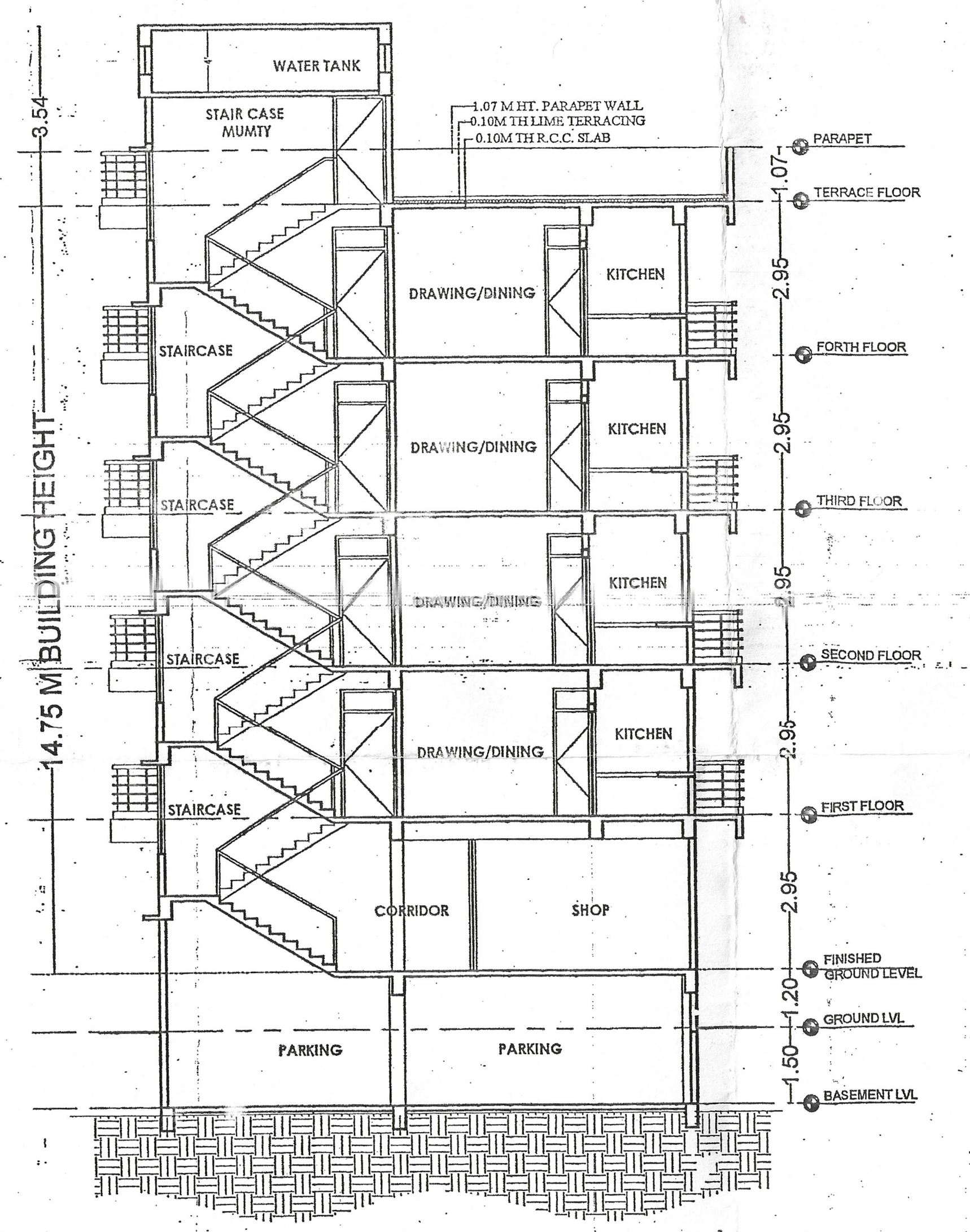
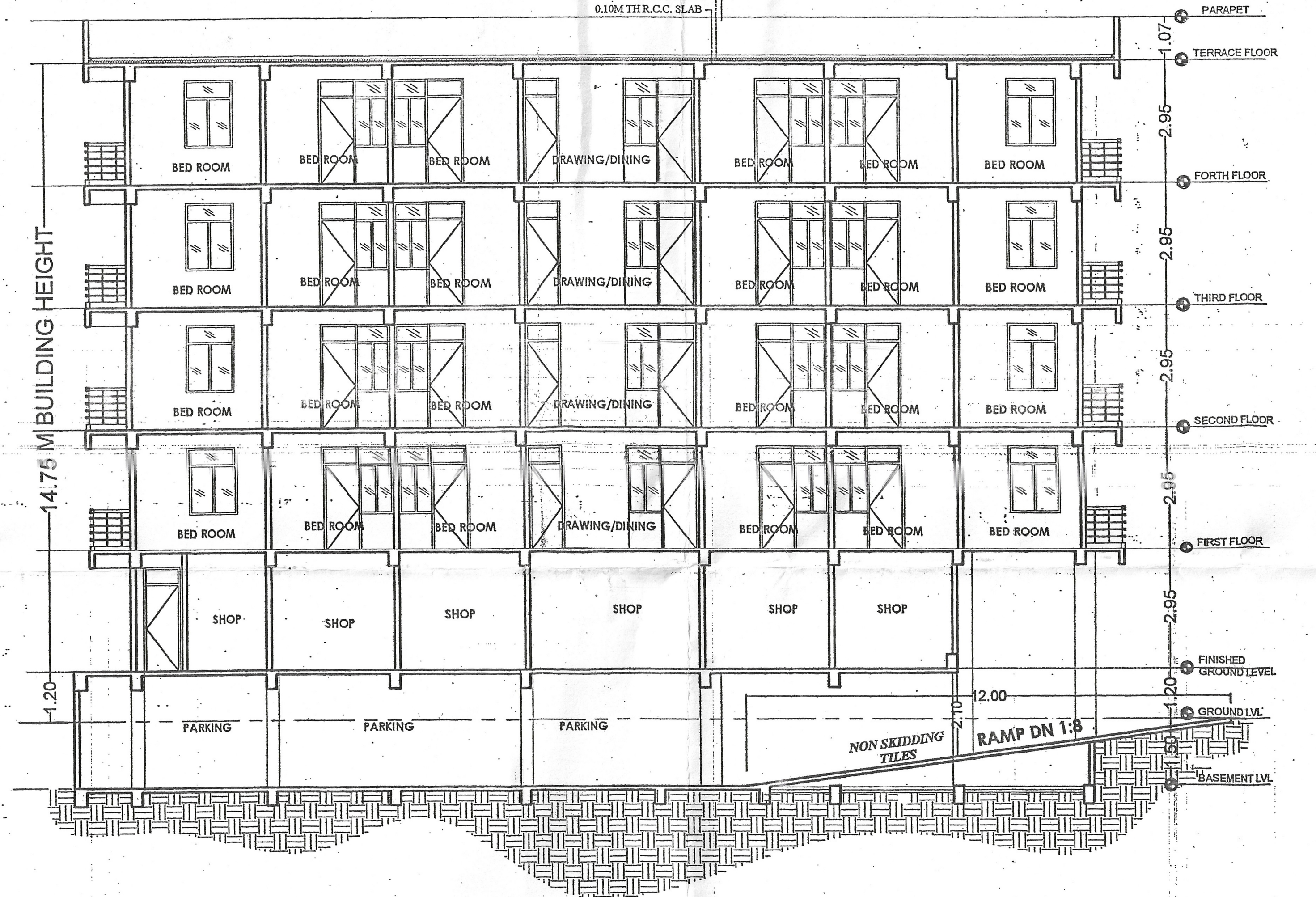


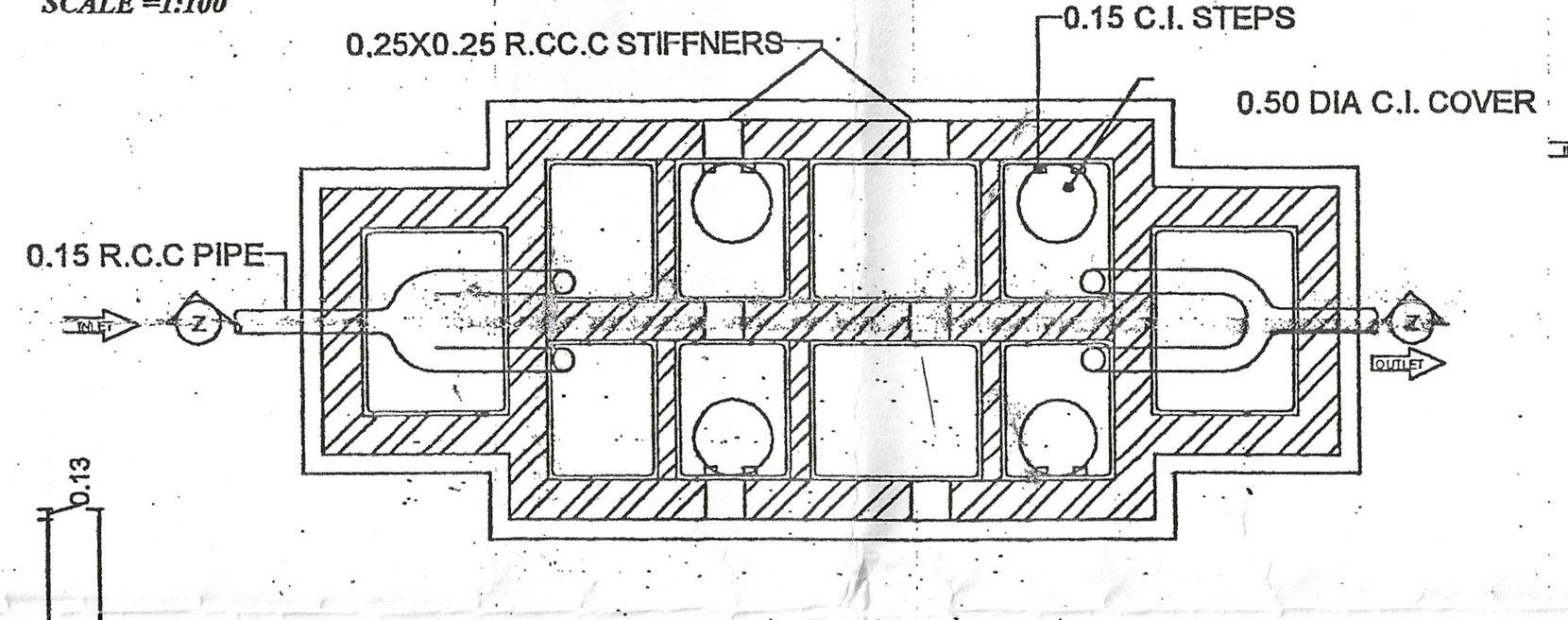
LEFT SIDE ELEVATION
SCALE =1:100



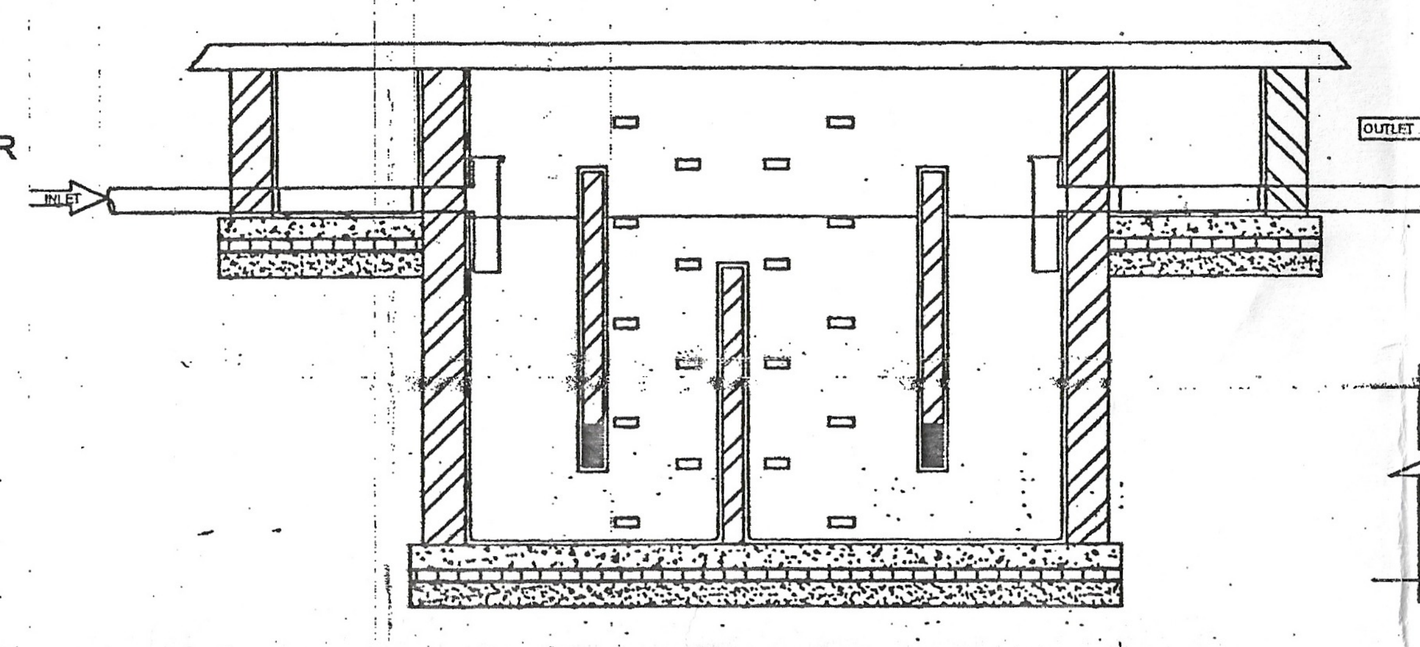
SECTION -X-X
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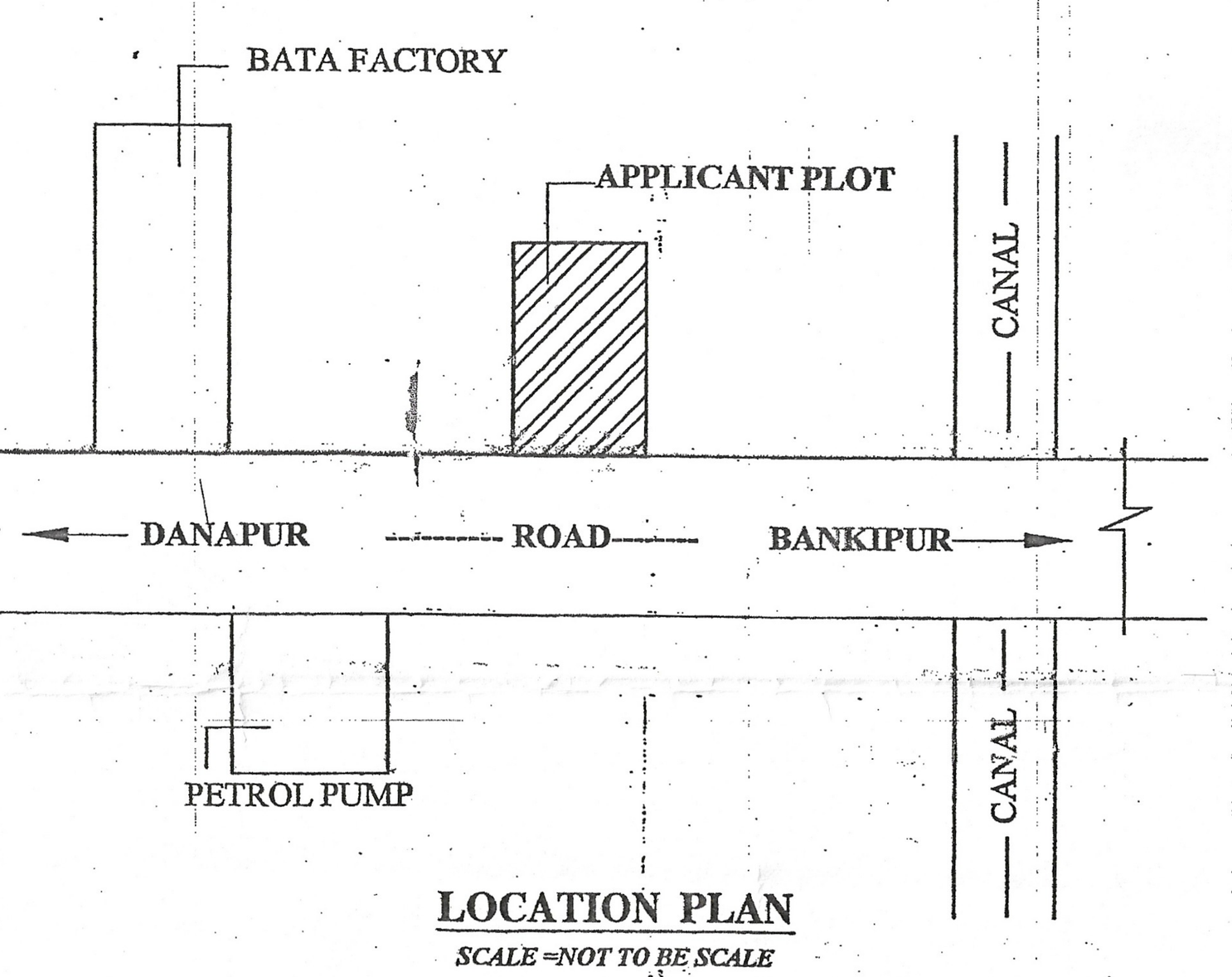
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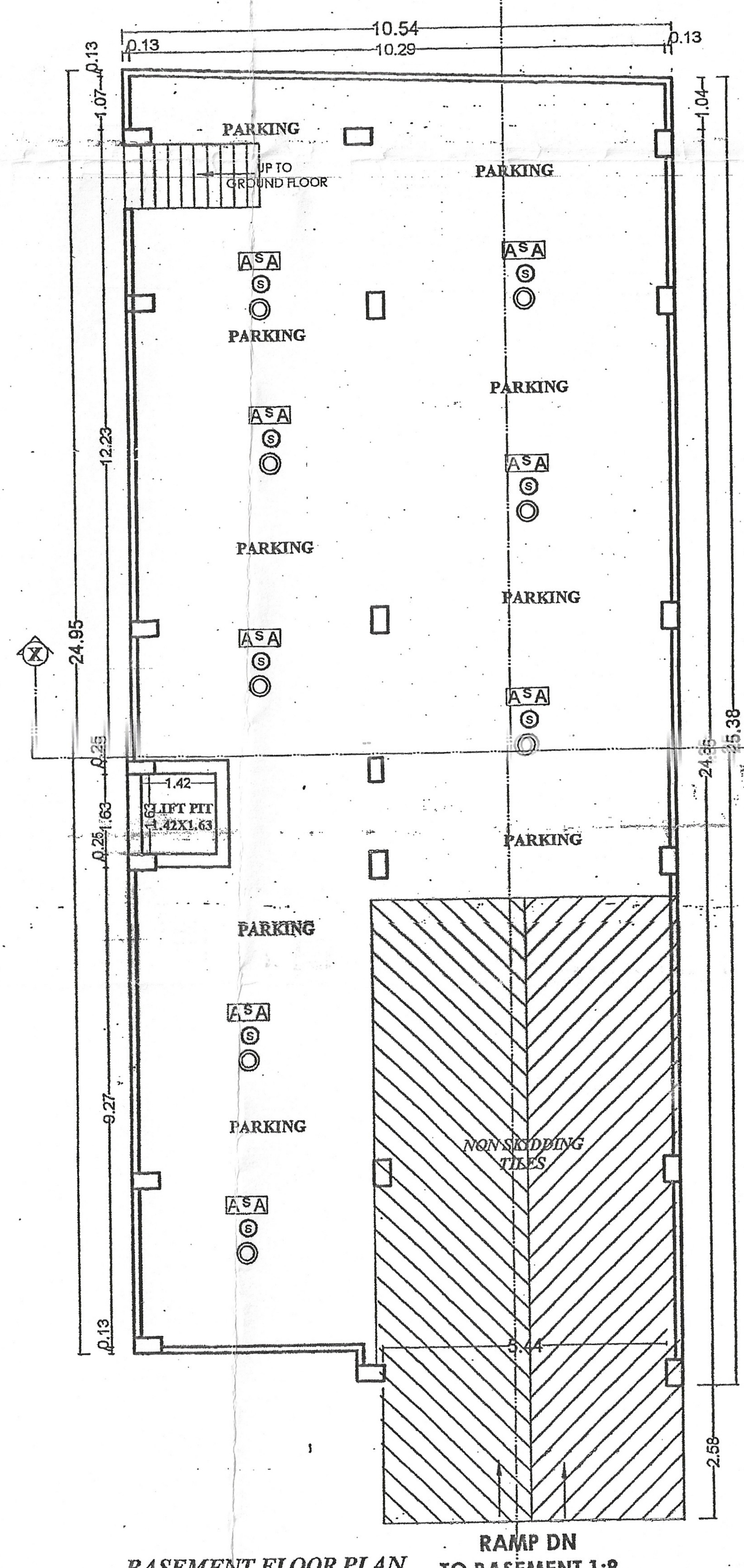
PLAN OF SEPTIC TANK.



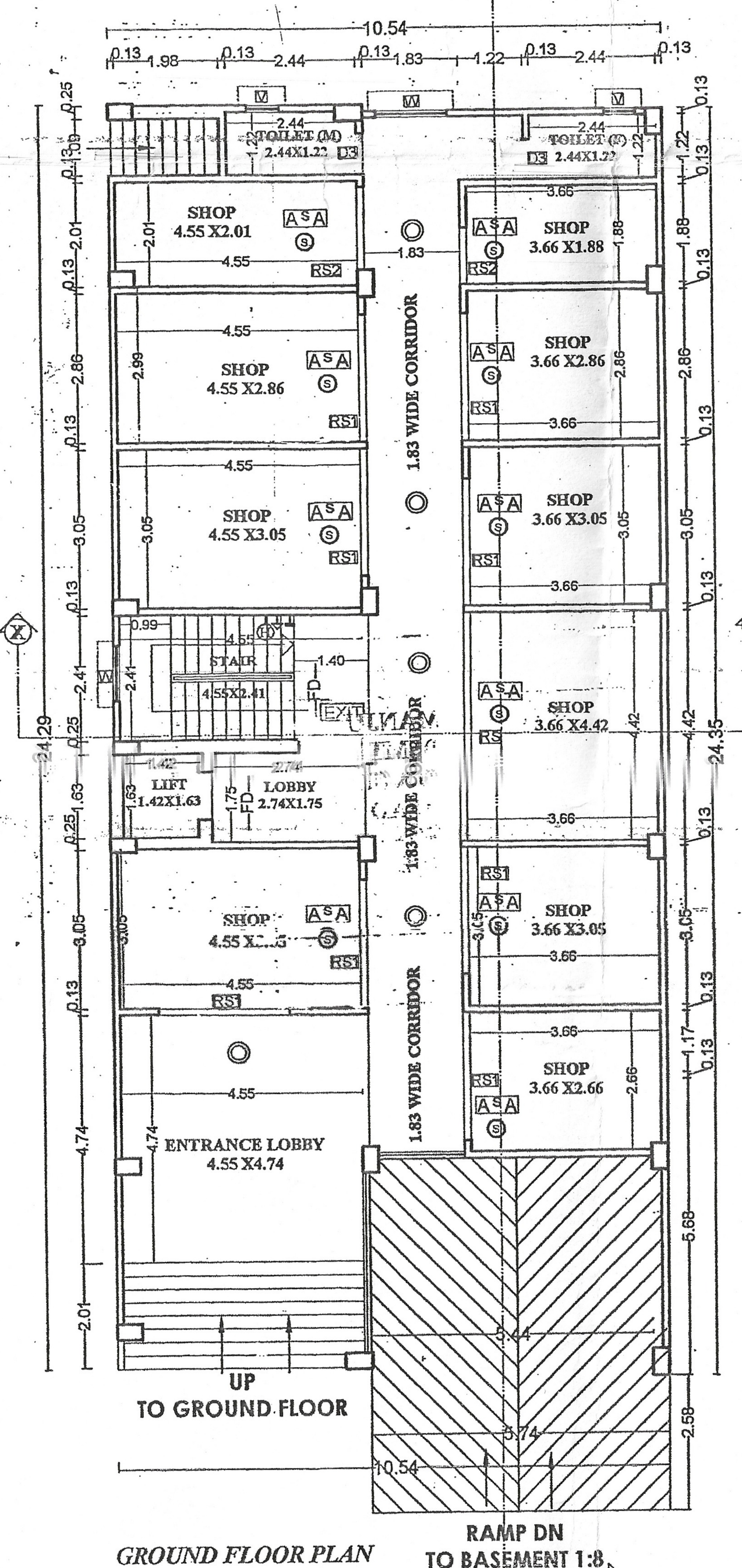
SECTION ON Z-Z



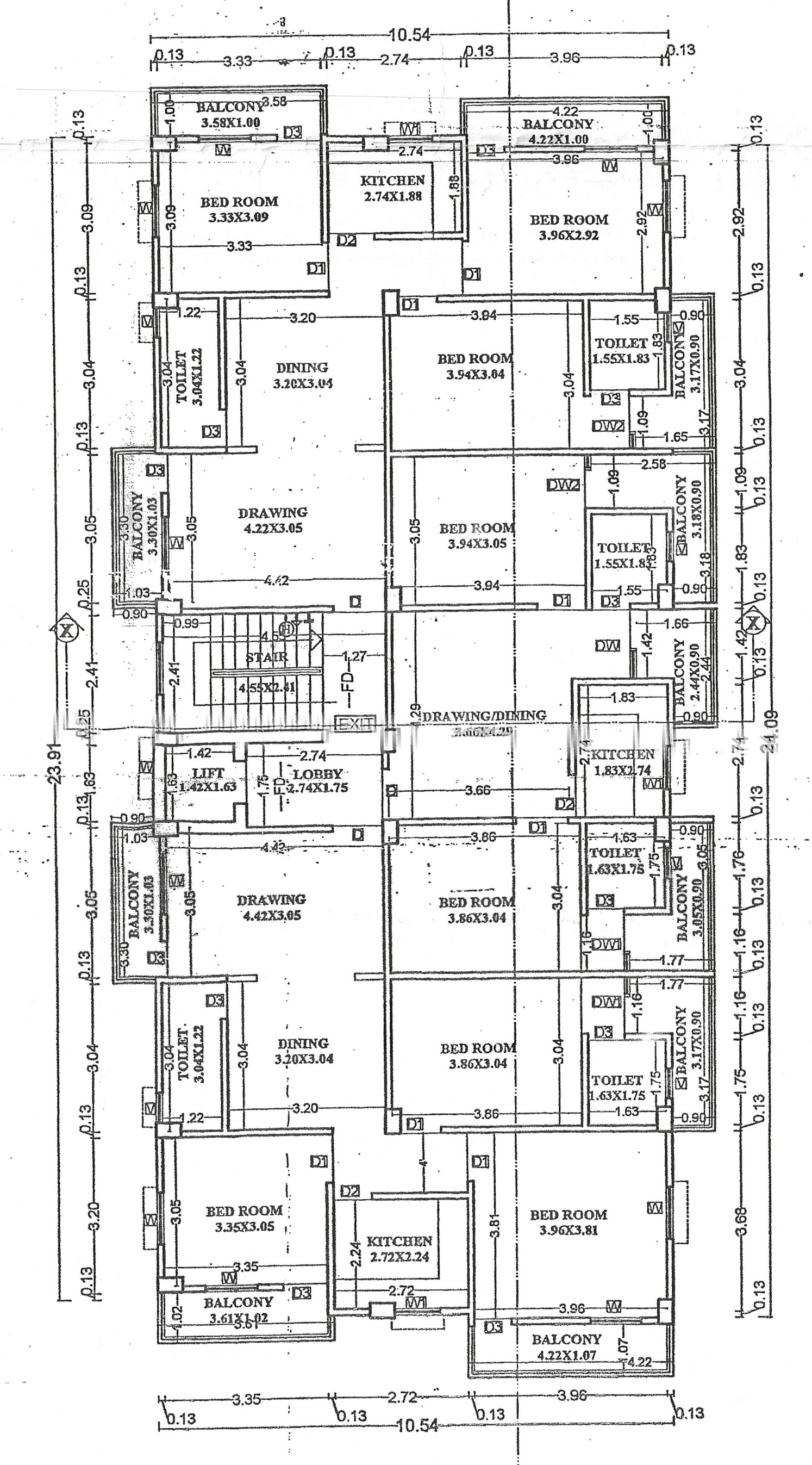
LOCATION PLAN
SCALE =NOT TO BE SCALE



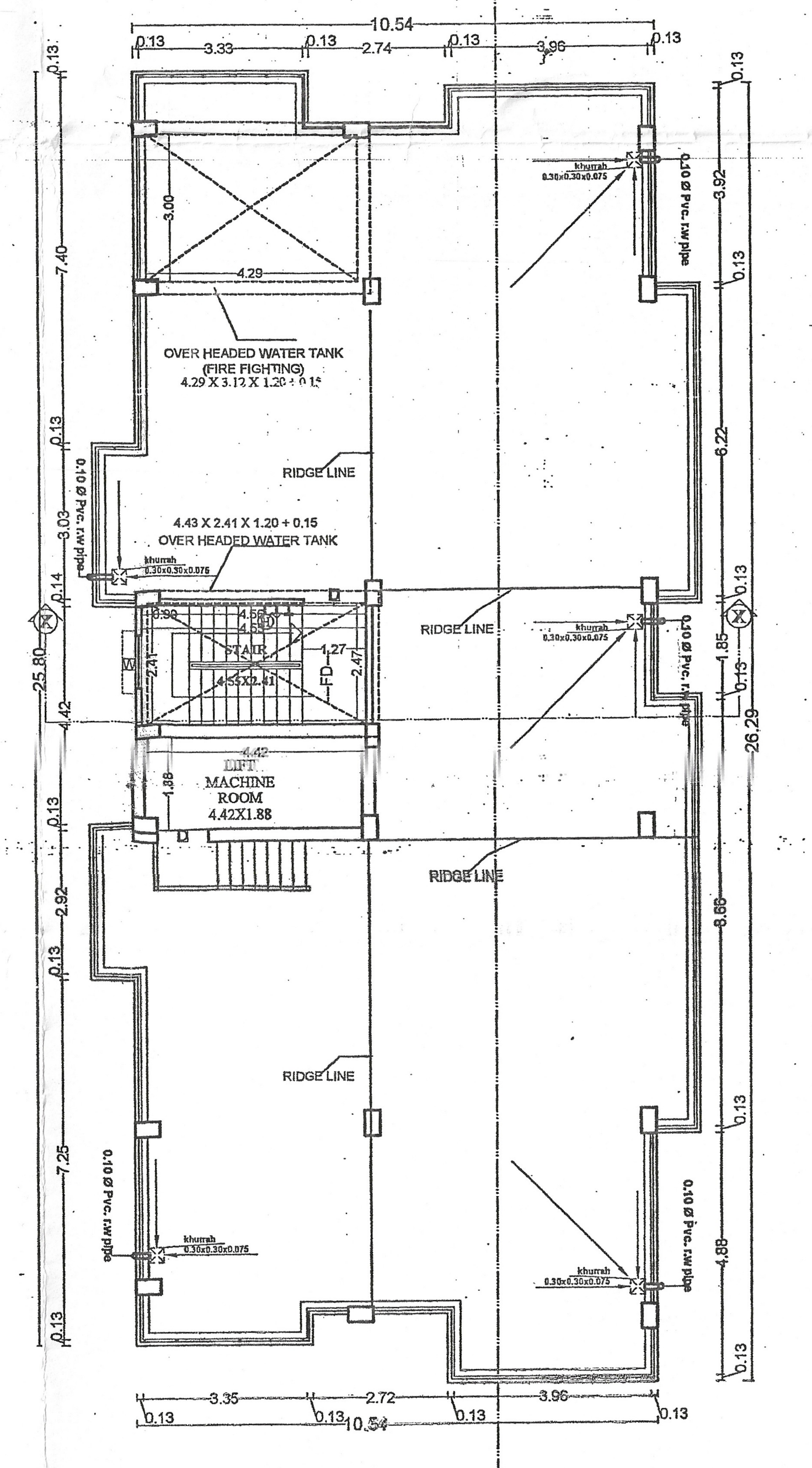
BASEMENT FLOOR PLAN
SCALE =1:100



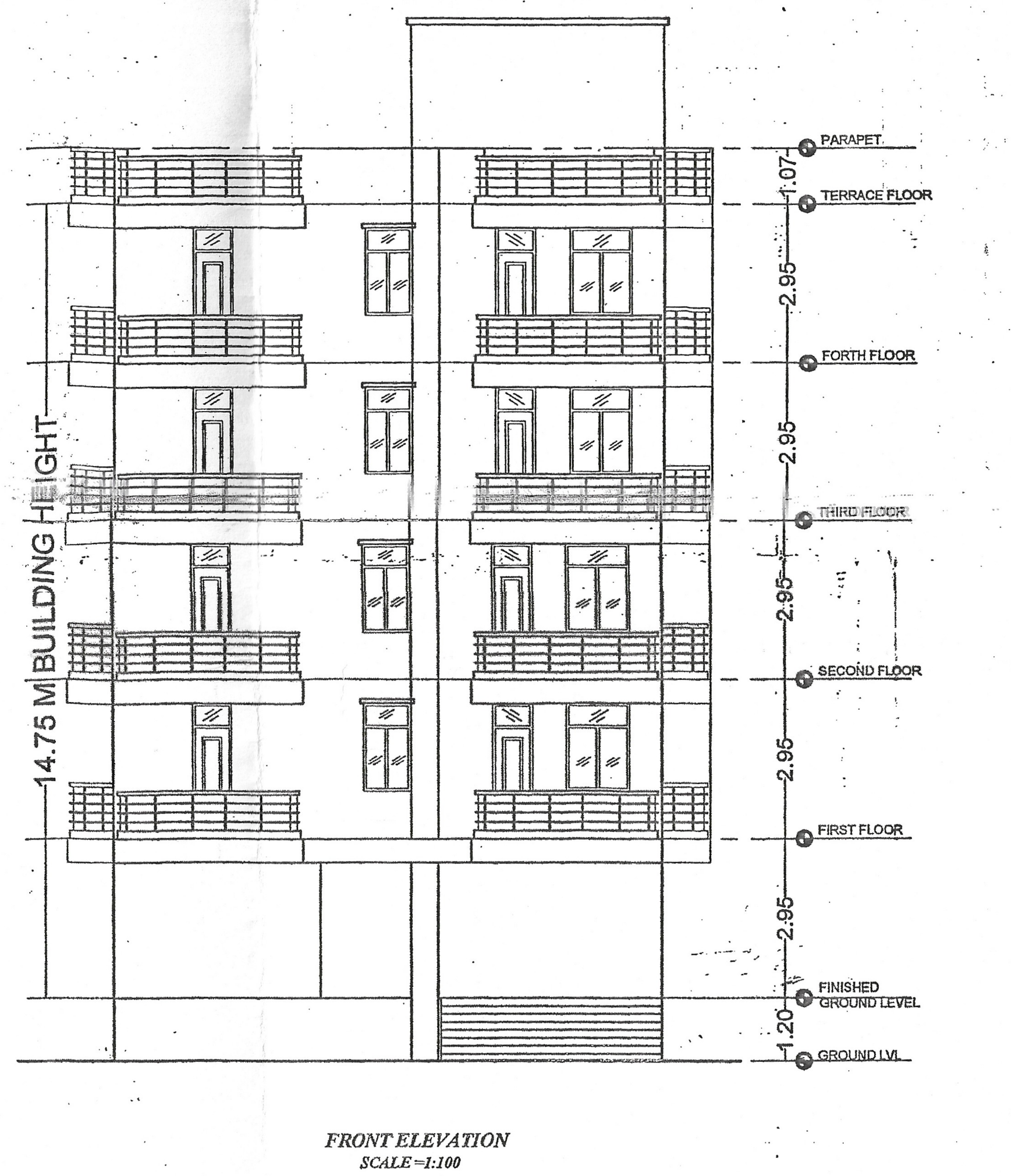
GROUND FLOOR PLAN
SCALE =1:100



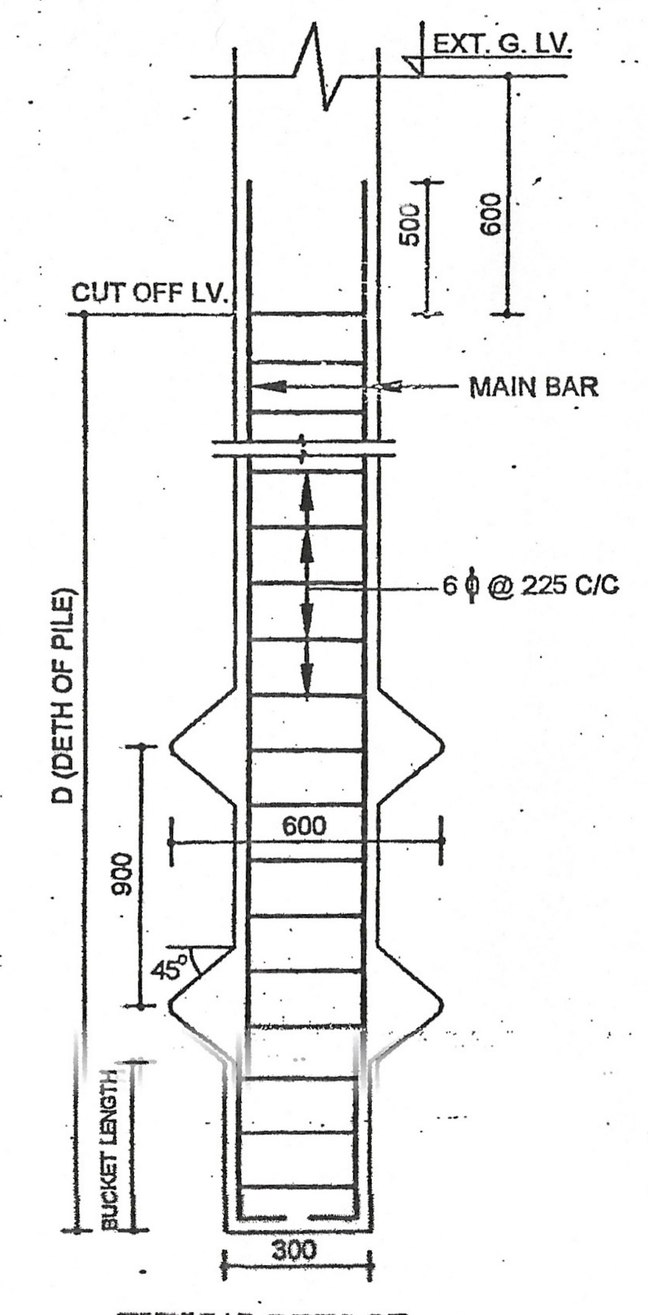
1ST,2ND,3RD,4TH FLOOR PLAN
SCALE =1:100



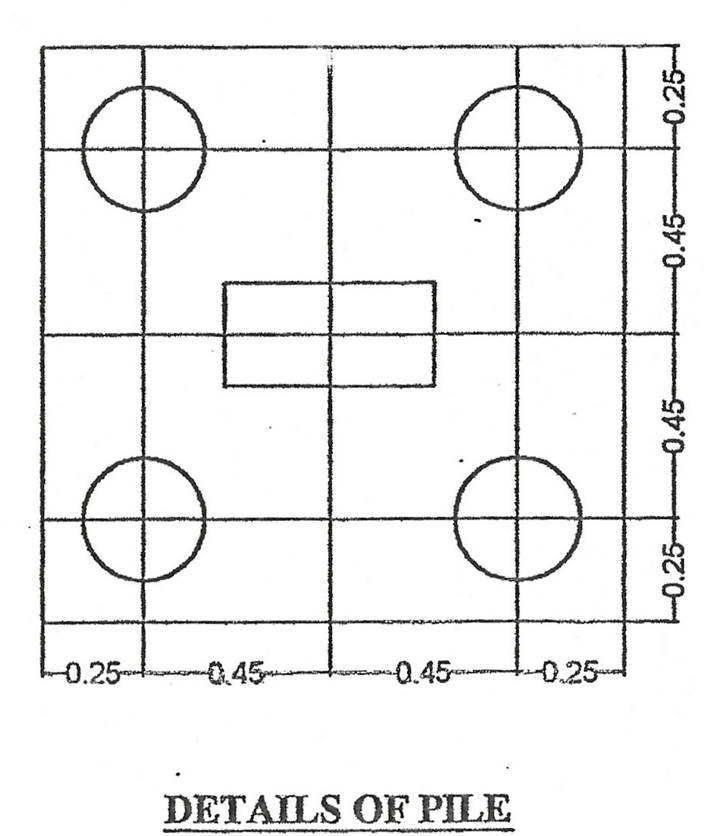
TERRACE FLOOR PLAN
SCALE =1:100



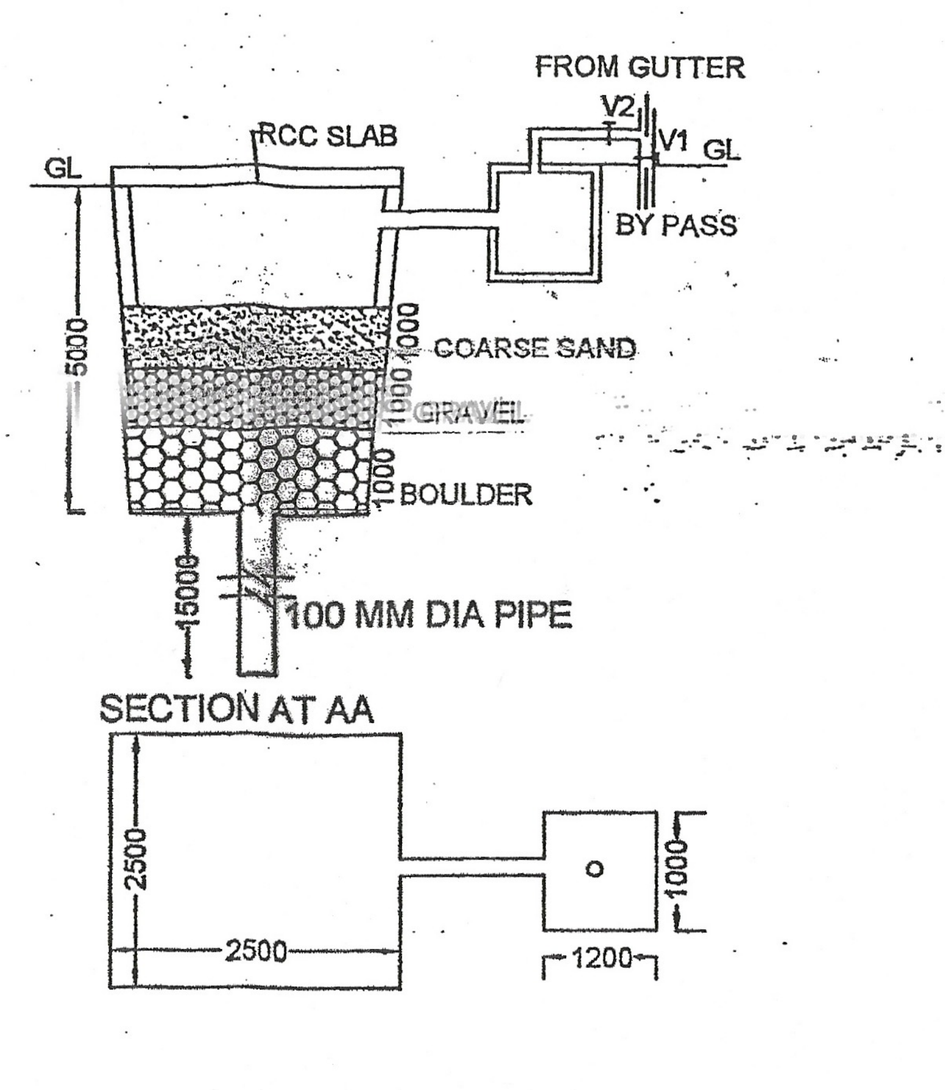
FRONT ELEVATION
SCALE =1:100



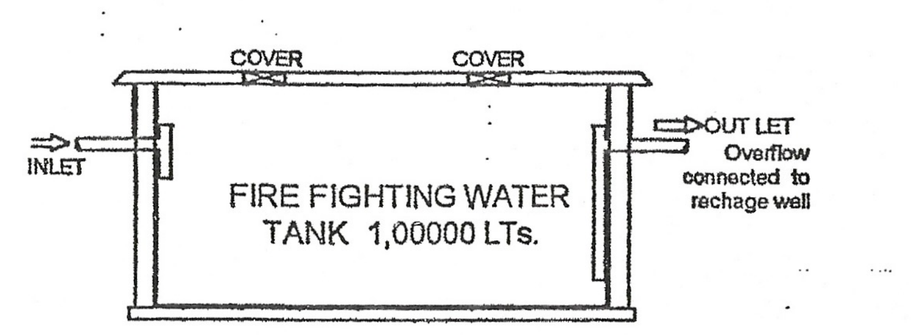
TYPICAL DETS OF UNDER - REAMED PILE



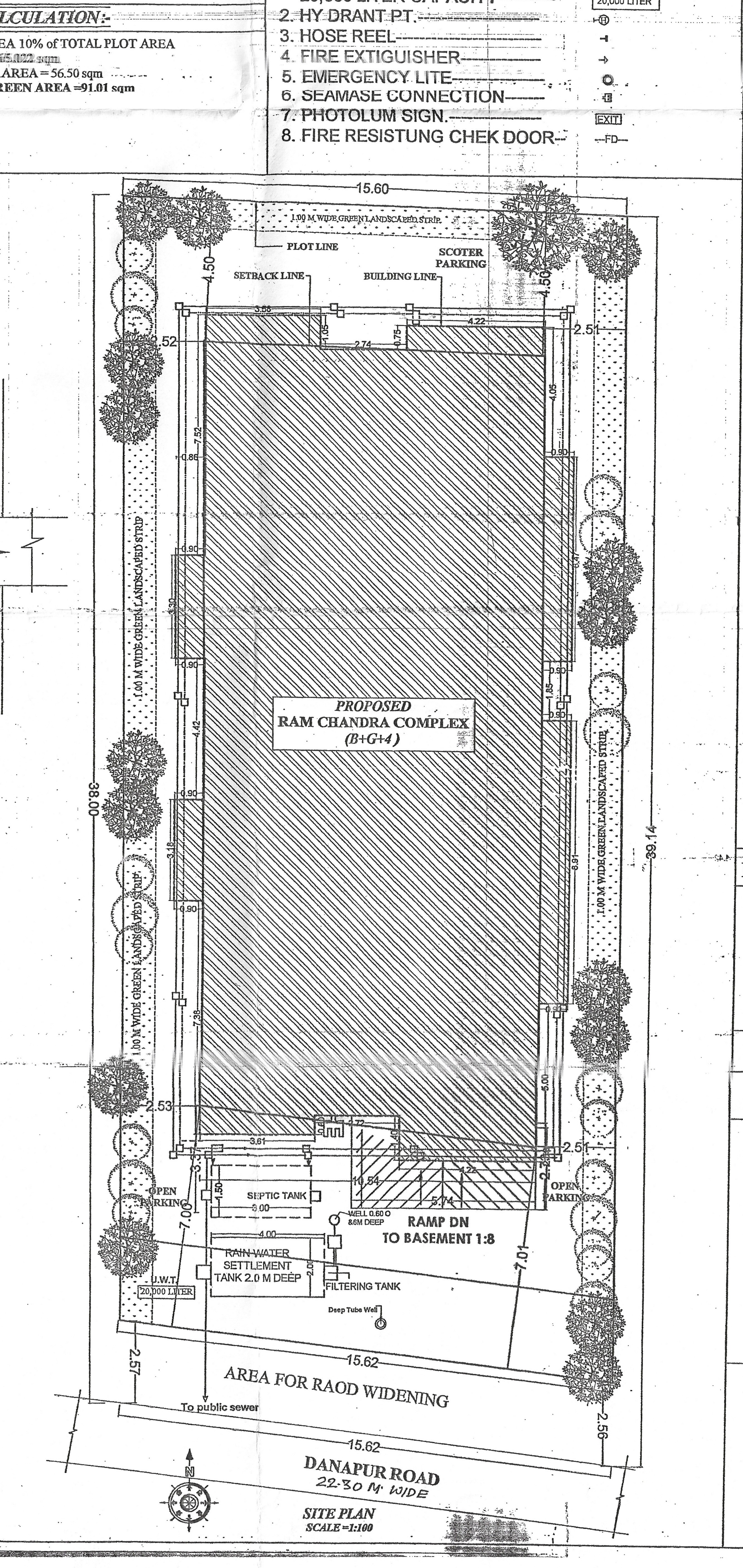
DETAILS OF PILE FOUNDATION



DET. OF RECHARGEABLE BORE WELL



SECTION FIRE WATER TANK



SITE PLAN
SCALE =1:100

TERRACE FLOOR AREA = 289.75 sqm.
RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR EVERY 100 SQM. TERRACE AREA,
SO TOTAL
REQ. CAPACITY OF SUMP = 2.89 x 6 = 17.34 CUM.
PROVIDED TANK SIZE = 4.0x2.0x2.5 = 20 cum
TOTAL VOLUME OF SUMP = 20 cum

PARKING CALCULATION:-

COMMERCIAL PARKING
REQUIRED PARKING 30% of TOTAL BU/UP AREA IN COMMERCIAL
TOTAL B/U AREA= 229.67 sqm
So, REQUIRED CAR PARKING AREA = 68.90 sqm
RESIDENTIAL PARKING
REQUIRED PARKING 25% of TOTAL BU/UP AREA IN RESIDENTIAL
TOTAL B/U AREA ALL FLOOR= 1086.92 sqm
So, REQUIRED CAR PARKING AREA = 271.73 sqm

TOTAL REQUIRED CAR PARKING AREA - 340.63 sq.m.

BASEMENT FLOOR PROVIDE PARKING AREA = 267.02 sq.m.
GROUND FLOOR PROVIDE PARKING AREA = 75sq.m.
TOTAL PROVIDE PARKING CAPACITY = 342.02 sq.m.

WATER TANK CALCULATION:-

PROPOSED COMMERCIAL WATER TANK
Total b/u area / 2 = Carpet area = 229.67 / 2 = 114.83 sqm
Total Carpat Area = 114.83 sqm
EACH PERSON HAVING 6 sqm
NO. OF PERSON = 114.83 /6 = 19.13 PERSON
TOTAL NO. OF PERSON =20 PERSON
45 LTS / PERSON / DAY WATER TANK CAPACITY
REQD.AREA OF WATER TANK = 20X45 = 900 ltrs
PROPOSED RESIDENTIAL WATER TANK
TOTAL NO. OF FLAT = 12 NOS.
EACH FLAT HAVING 5 PERSON
TOTAL NO. OF PERSON = 12 X 5 = 60 PERSON
PER PERSON REQD. VOLUME =135 ltrs/day
REQD.VOLUME OF WATER TANK = 60 X135 = 8100.00 ltrs
FIRE WATER TANK =10000.0 ltrs.
TOTAL REQD.VOLUME OF WATER TANK
= (C+R+F)=(900+8100+10000)= 19000 ltrs.
PROVIDE VOLUME OF WATER TANK SIZE
(1) 4.43 X 2.41 X 1.20 + 0.15 = 12.81 cum.
(2) 4.29 X 3.12 X 1.20 + 0.15 = 16.06 cum
TOTAL PROVIDE WATER TANK CAP CITY =28870.00 LTRS.

GREEN AREA CALCULATION:-

REQUIRED GREEN AREA 10% of TOTAL PLOT AREA
TOTAL PLOT AREA= 565.022 sqm
So, REQUIRED GREEN AREA = 56.50 sqm
TOTAL PROVIDEDGREEN AREA = 91.01 sqm

SEPTIC TANK CALCULATION:-

PROPOSED COMMERCIAL SEPTIC TANK
Total b/u area / 2 = Carpet area = 229.67 / 2 = 114.83 sqm
Total Carpat Area = 114.83 sqm
EACH PERSON HAVING 6 sqm
NO. OF PERSON = 114.83 /6 = 19.13 PERSON
TOTAL NO. OF PERSON =20 PERSON
PER PERSON REQD. AREA = 0.085 qb.m./day
REQD.VOLUME OF SEPTIC TANK = 20x0.085 = 1.70qb.m.
PROPOSED RESIDENTIAL WATER TANK
TOTAL NO. OF FLAT = 12 NOS.
EACH FLAT HAVING 5 PERSON
TOTAL NO. OF PERSON = 12 X 5 = 60 PERSON
PER PERSON REQD. VOLUME = 0.085qb.m./day
TOTAL REQD. VOLUME OF SEPTIC TANK = 60X0.085 = 5.10 qb.m.
TOTAL REQ.OF SEPTIC TANK = (C+R) = (1.70+5.10)qb.m.=6.80 qb.m.
VOLUME OF SEPTIC TANK SIZE =3.00X1.50 X2.00 = 9.00 qb.m.
TOTAL PROVIDE AREA OF SEPTIC TANK = 9.00 qb.m.

FIRE LEGEND:-

1. UNDER GROUND WATER STATIC TANK OF 20,000 LITER CAPACITY — 20,000 LITER
2. HY DRANT PT.
3. HOSE REEL
4. FIRE EXTIGUISHER
5. EMERGENCY LITE
6. SEAMASE CONNECTION
7. PHOTOLUM SIGN. — EXIT
8. FIRE RESISTUNG CHEK DOOR — FD

SCHEDULE OF DOORS & WINDOWS

S.NO	TYPE	WIDTH	CILL	HEIGHT	DESCRIPTION
01	D	1.07	0.0	2.13	SINGLE LEAF DOOR
02	D1	0.99	0.0	2.13	SINGLE LEAF DOOR
03	D2	0.91	0.0	2.13	SINGLE LEAF DOOR
04	D3	0.76	0.0	2.13	SINGLE LEAF DOOR
05	W	1.22	0.76	1.37	FULLY GLAZED WIN.
06	W1	0.91	0.76	1.37	FULLY GLAZED WIN.
07	V	0.61	0.76	1.05	FULLY GLAZED WIN.
08	DW	0.76/1.83	0.76/0.00	2.13/1.83	FULLY GLAZED WIN.
09	DW1	0.76/1.23	0.76/0.00	2.13/1.83	FULLY GLAZED WIN.
10	RS	3.9	0.00	2.13	MS ROLLING SHEET
11	RS	2.4	0.00	2.13	MS ROLLING SHEET
12	RS	2.0	0.00	2.13	MS ROLLING SHEET

SPECIFICATION:-

1. FOUNDATION - R.C.C. UNDER REAMED PILE FOUNDATION 6.0 M DEEP WITH R.C.C. AS/ STRUCTURAL ENGINEER.
2. SUPER STRUCTURE - 1st CLASS BRICK WORK IN SUPER STRUCTURE WITH CEMENT MORTER 1:6.
3. PLINTH - HEIGHT P.L. AND G.L. AS SHOWN IN SECTION.
4. FLOORING - 0.025M TH. I.P.S. FLOORING OVER 0.125M TH. DRY RAMMED KHOA OVER 0.075 M TH. BRICK FLAT SOLING OVER SAND FILLING.
5. ROOF - 0.10M TH. AVERAGE LIME TERRACING OVER R.C.C ROOF SLAB.
6. DOORS - CHOWKHATS OF DOORS TO BE SAL WOOD.
7. WINDOWS - ALL WINDOWS TO BE FULLY GLAZED IN STEEL.
8. PLASTER - 0.12M TH. CEMENT PLASTER ON BOTH SIDE OF BRICK WORK.
9. COLOURING - COLOUR OR WHITE WASH AS/CHOICE

AREA CALCULATION :-

TOTAL PLOT AREA = 605.55 sq m
AREA FOR ROAD WIDENING=40.527 SQ M
NET PLOT AREA=565.022 SQ M

BASEMENT FLOOR AREA= 6.78 sqm
GROUND. FLOOR B/U AREA= 229.67 sqm
FIRST FLOOR B/U AREA = 254.55 sq.m.
PROJECTED BALCONY AREA(HALF)=17.18 sq.m.
TOTAL 1ST FLOOR B/U AREA=271.73 sq.m.

SECOND FLOOR B/U AREA = 254.55 sq.m.
PROJECTED BALCONY AREA(HALF)=17.18 sq.m.
TOTAL 2ND FLOOR B/U AREA=271.73 sq.m.

THIRD FLOOR B/U AREA = 254.55 sq.m.
PROJECTED BALCONY AREA(HALF)=17.18 sq.m.
TOTAL 3RD FLOOR B/U AREA=271.73 sq.m.

FORTH FLOOR B/U AREA = 254.55 sq.m.
PROJECTED BALCONY AREA(HALF)=17.18 sq.m.
TOTAL 4TH FLOOR B/U AREA=271.73 sq.m.

TOTAL B/U AREA (ALL FLOOR) = 1369.65 sq.m.

F.A.R.= total built up area / Plot area =1369.65/565.022 = 2.42

PLOT DETAILS :-

PROPOSE RAM CHANDRA COMPLEXOF (i)SMT I. DEVI W/O SRI AKHILESHWAR PRASAD GUPTA (ii) LALITA DEVI W/O SRI UMESHWAR PRASAD GUPTA (iii) SMT RUKMANI DEVI W/O SRI GYANESHWAR PRASAD GUPTA HAVING SURVEYPLOT NO - 04 , THANA NO - 01, KHATA NO-2011,MAUZA - DIGHA SITUATED NEAR BATA FACTORY, DIGHA,DISTRICT-PATNA

SHEET. NO.	SCALE.	NORTH.
S.D -01/02	1 : 100 1 : 200	

Manju Devi
Lalita Devi
Rukmini Devi

SIGNATURE OF OWNER.

AMIT KUMAR
ARCHITECT
EMPL. NO.-03/ARCH/2015/NPDN
NAGAR PARISHAD, DANAPUR NIZAMAT
SIGNATURE OF
ARCHITECT / ENGINEER.

उप-महानिरीक्षक-सह-उप महासमादेष्टा
गृह रक्षा वाहिनी एवं अग्नि शाम सेवा
बिहार, पटना।