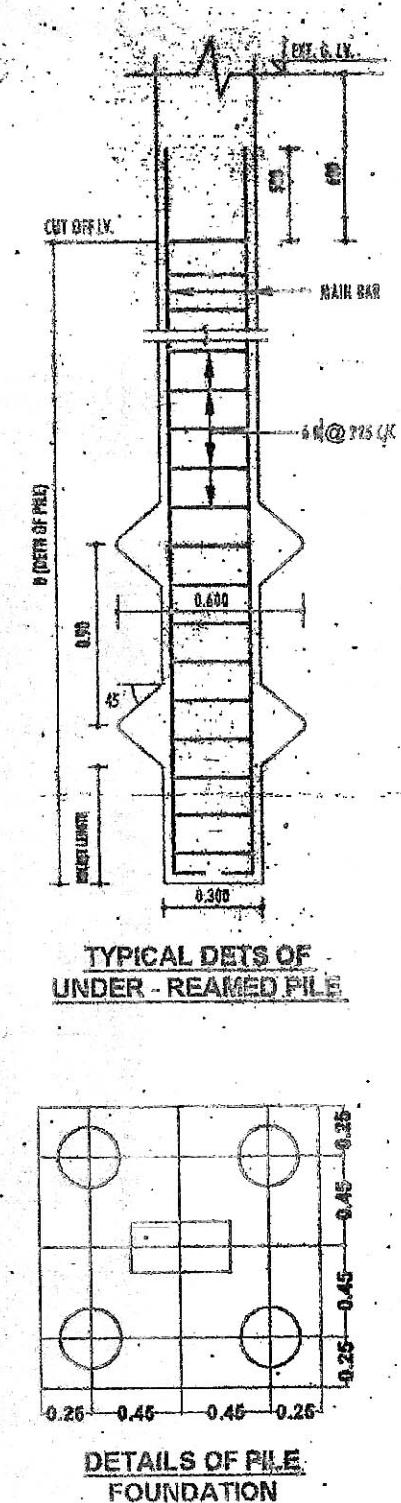
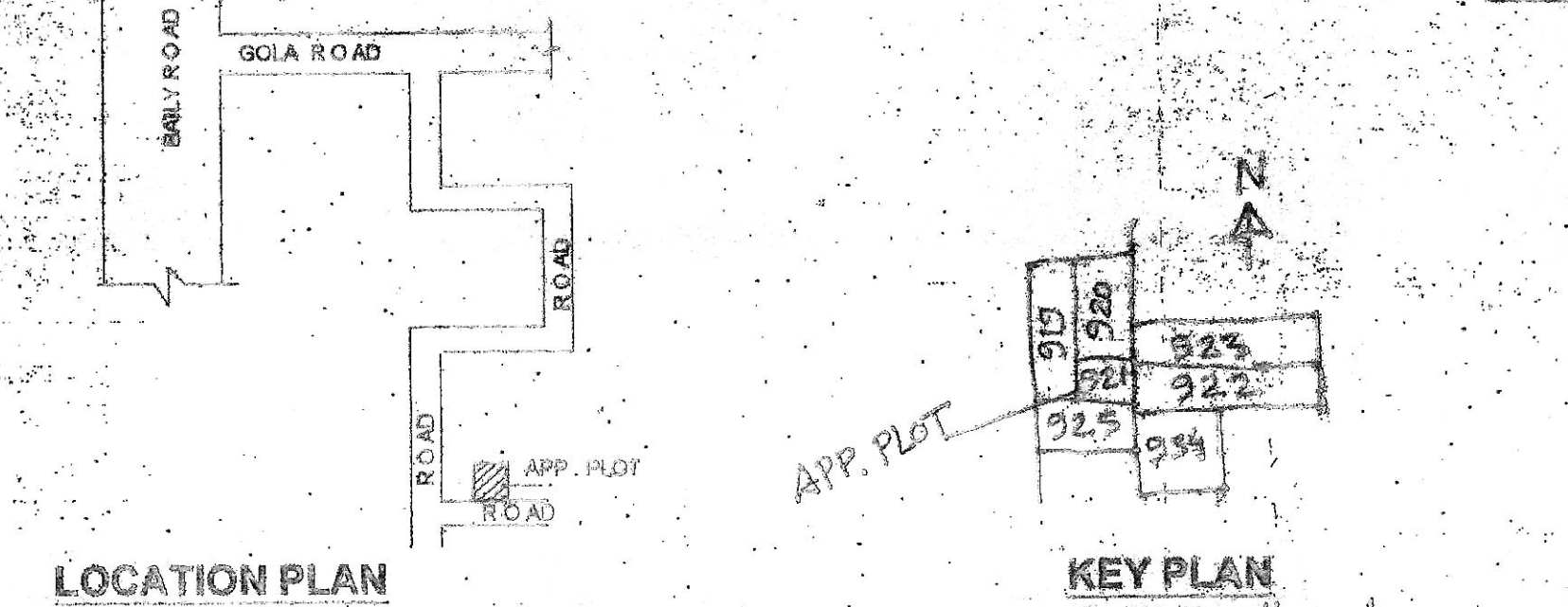
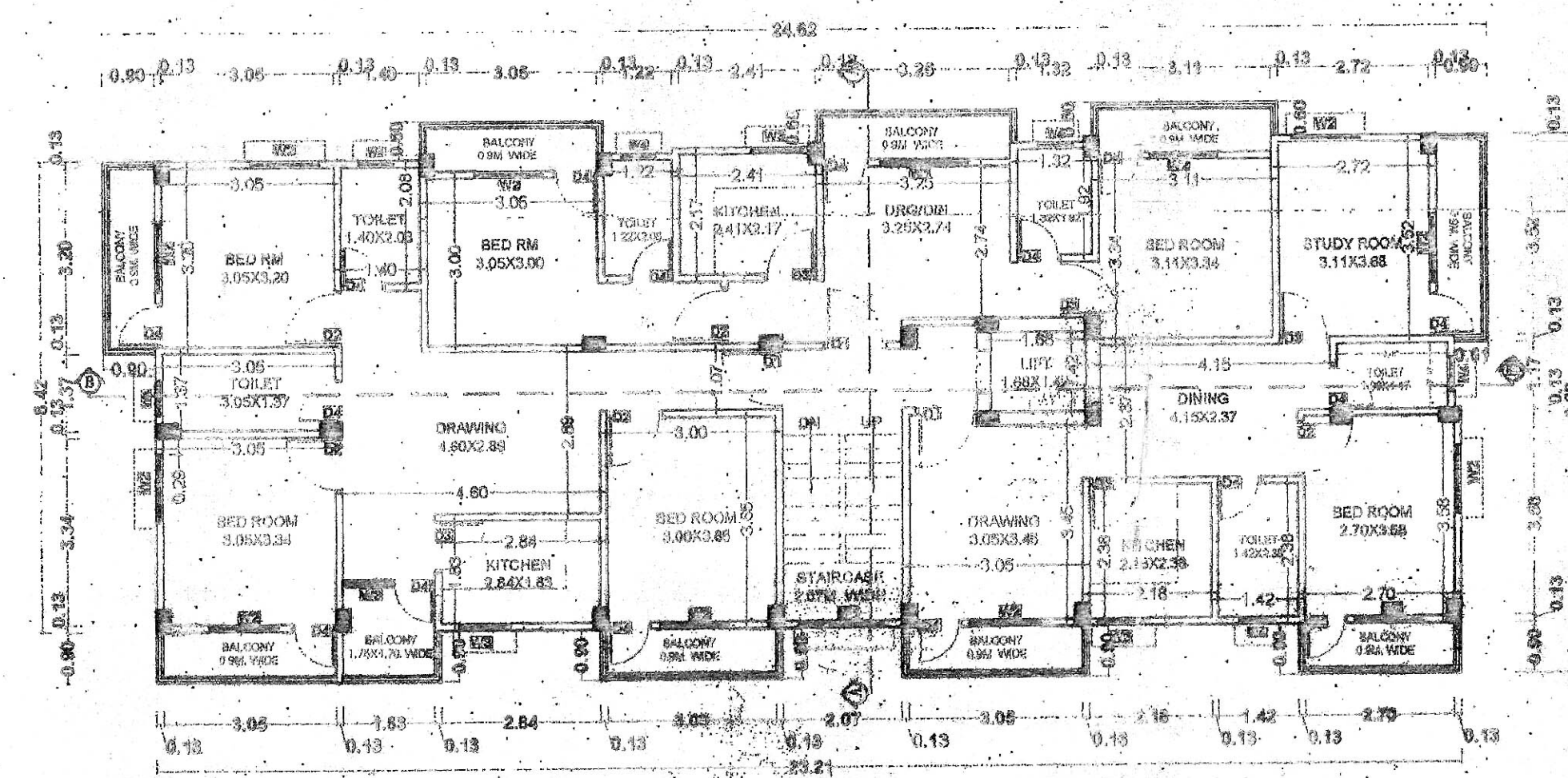
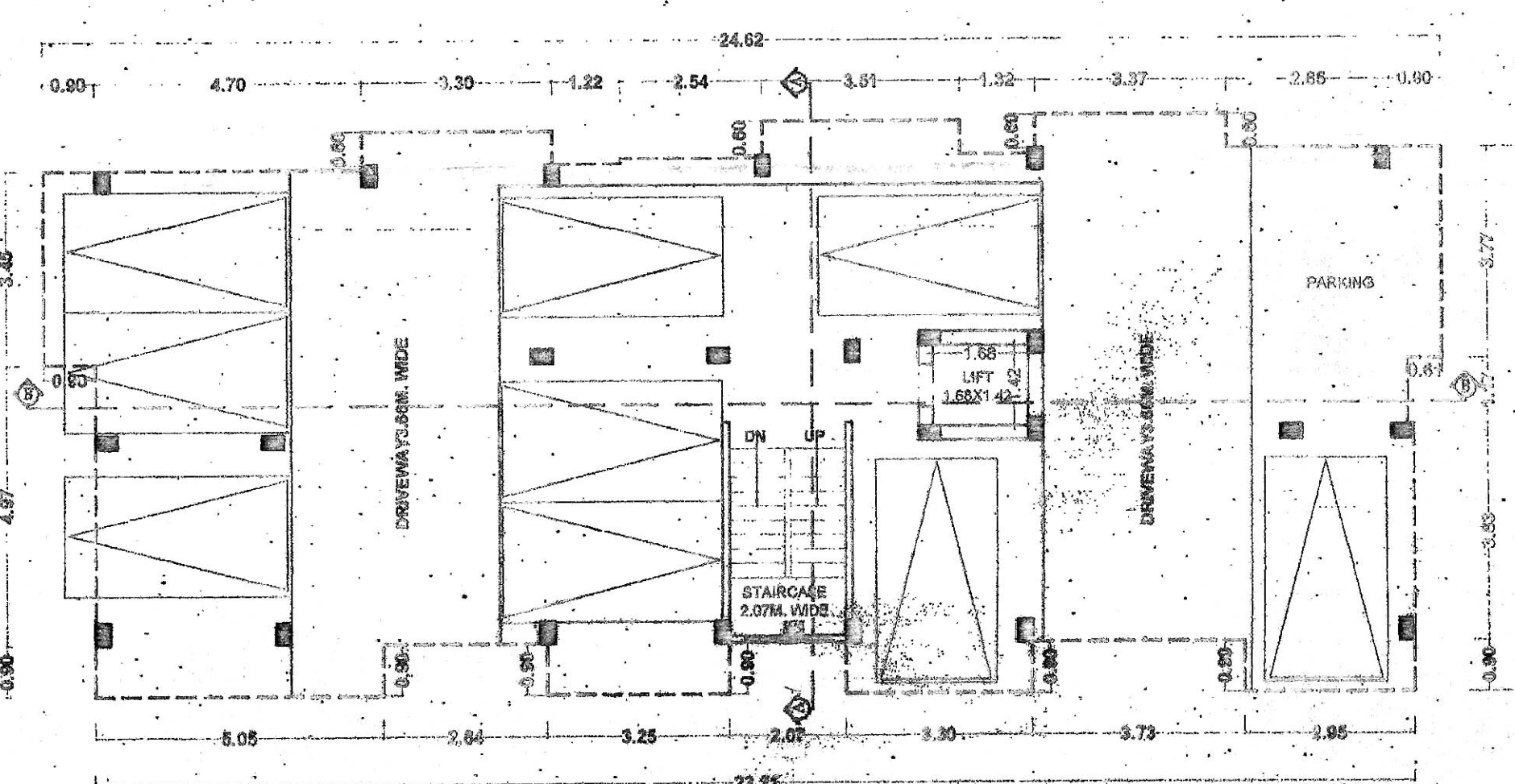
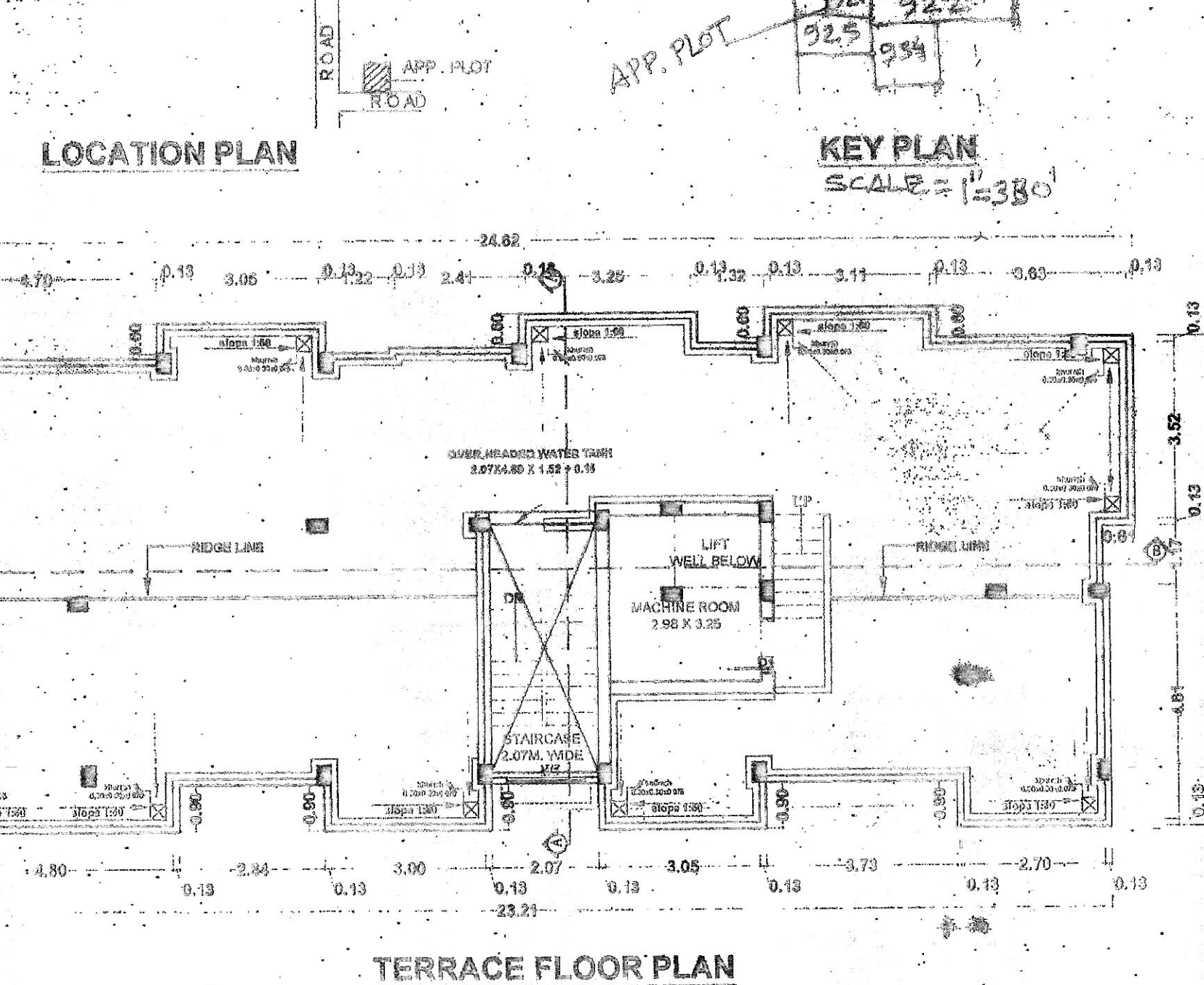
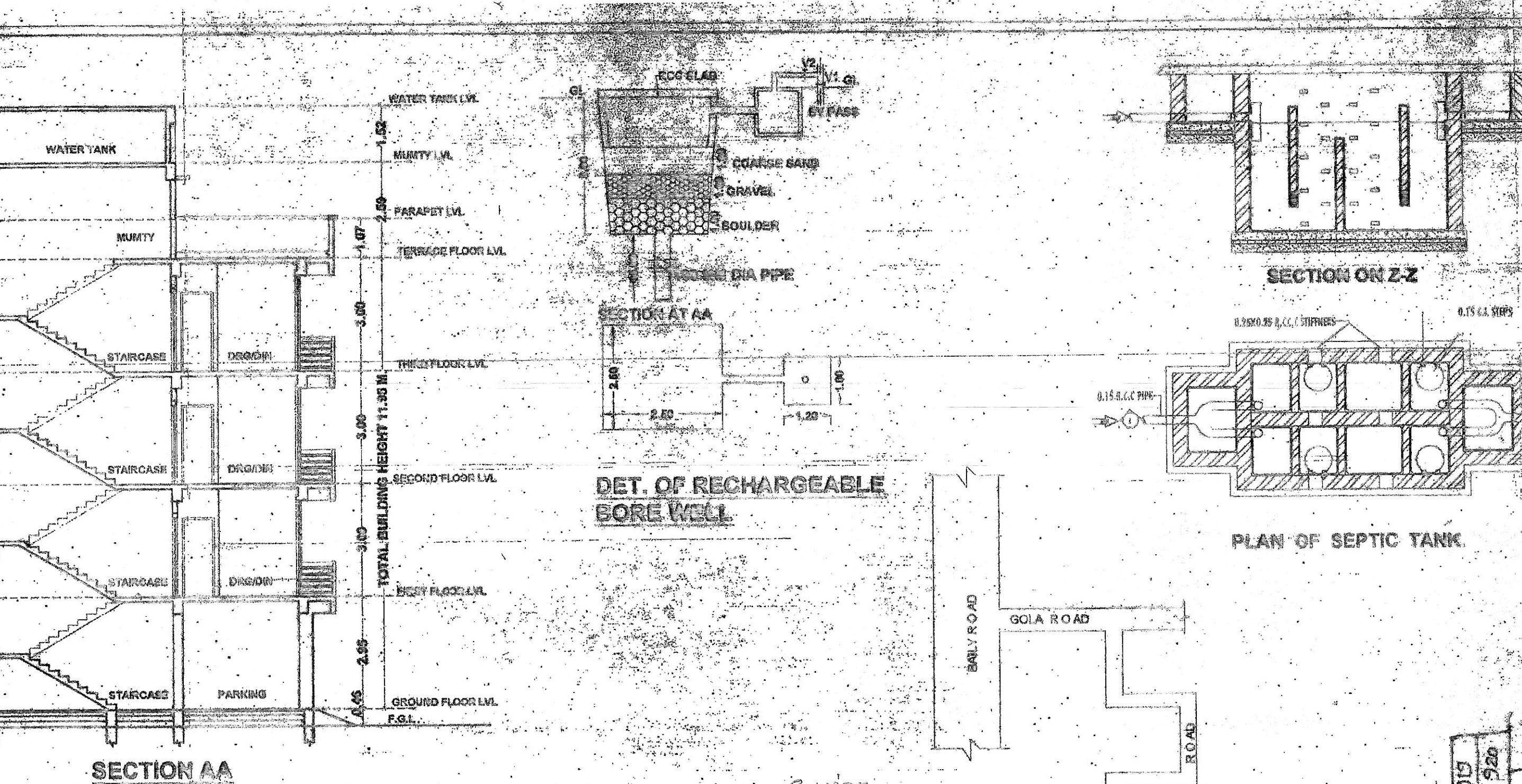
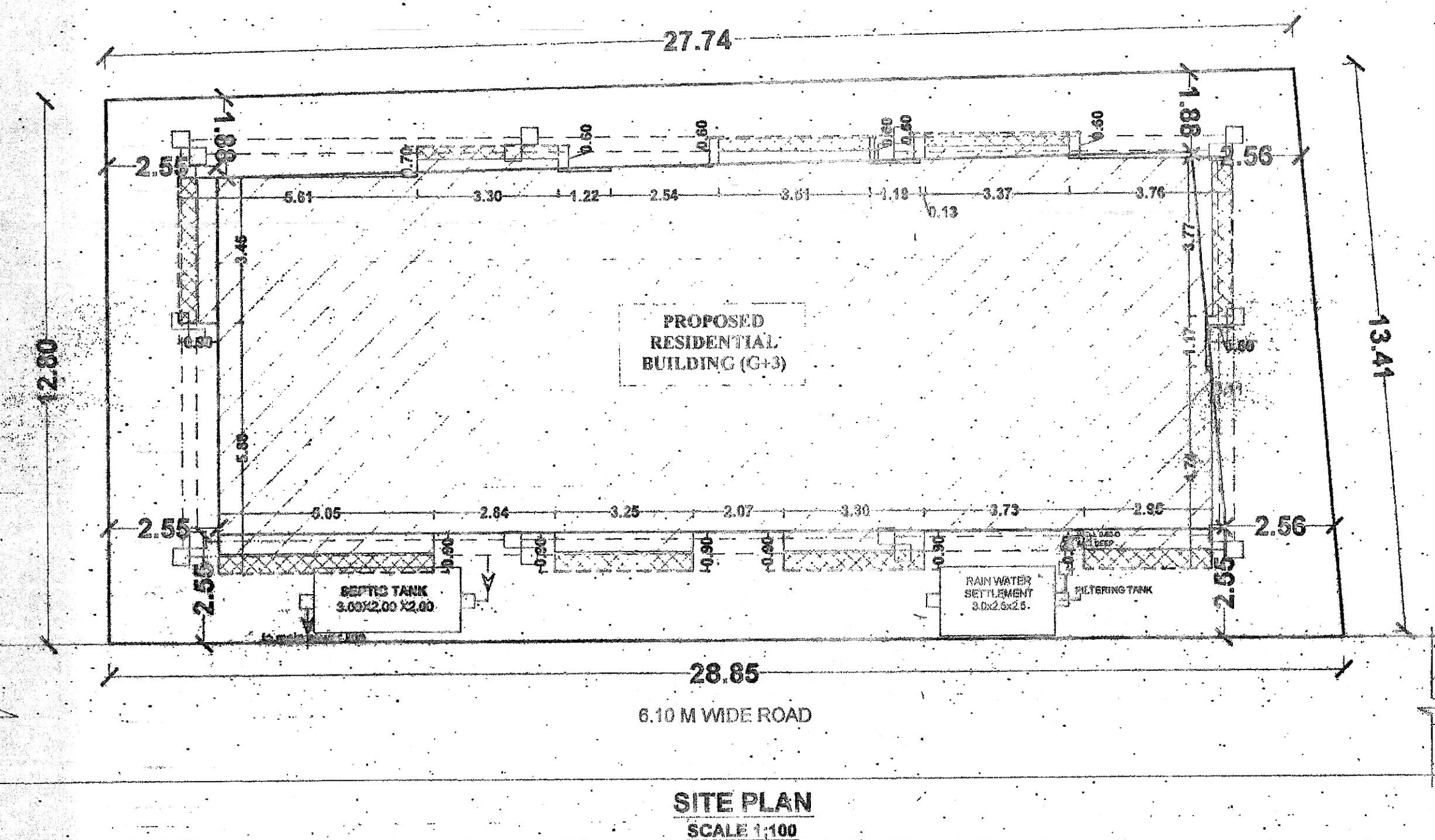
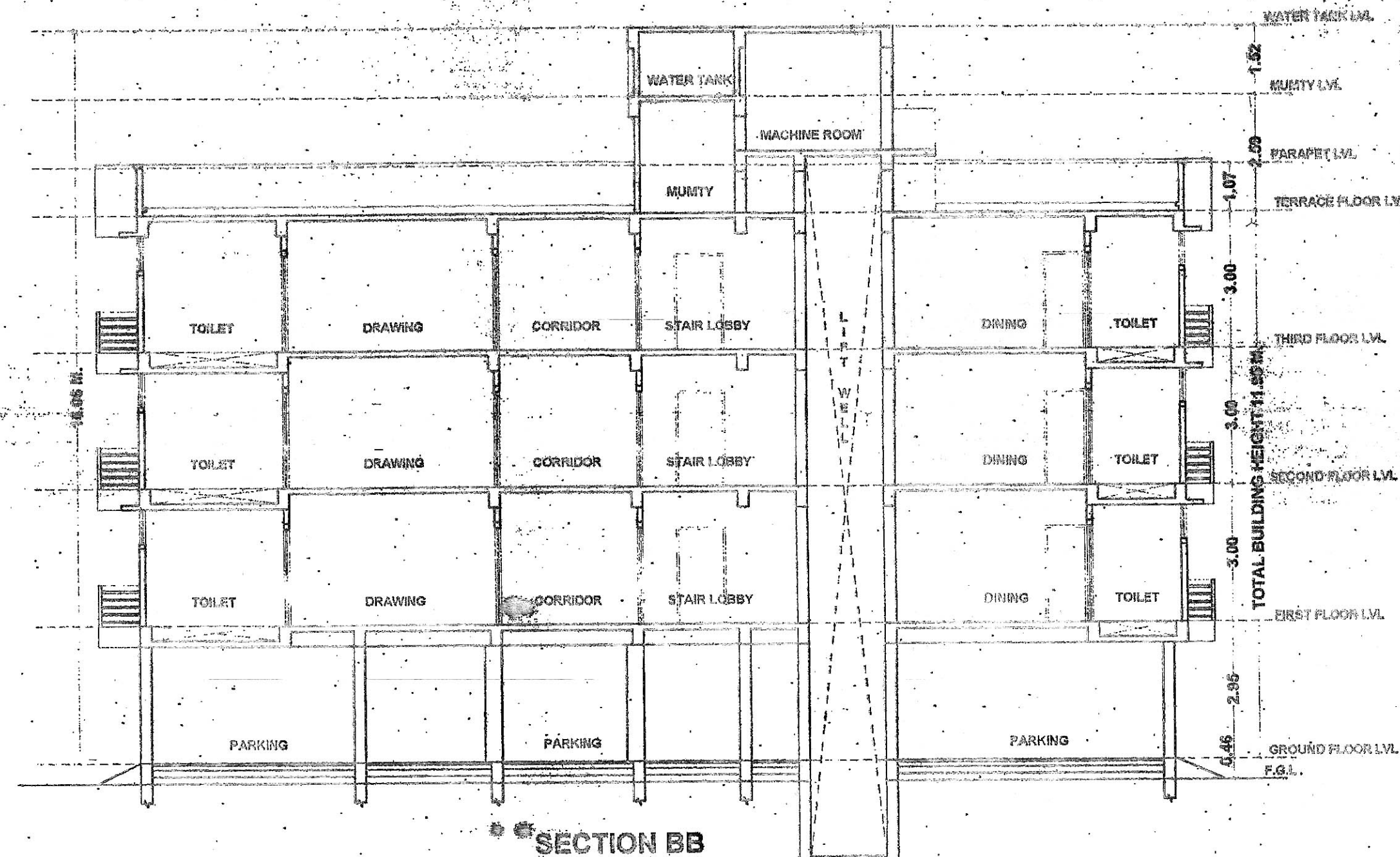
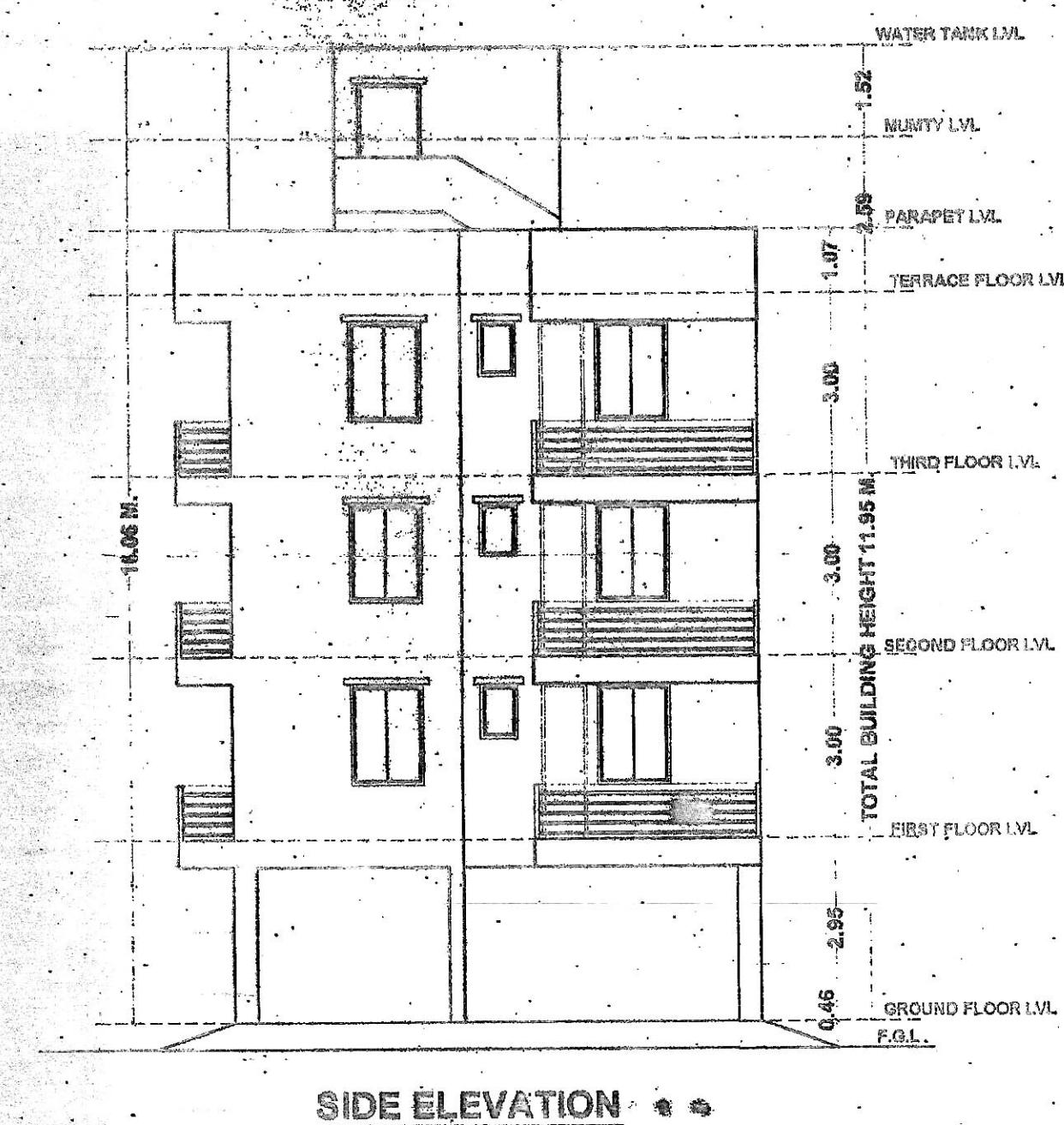
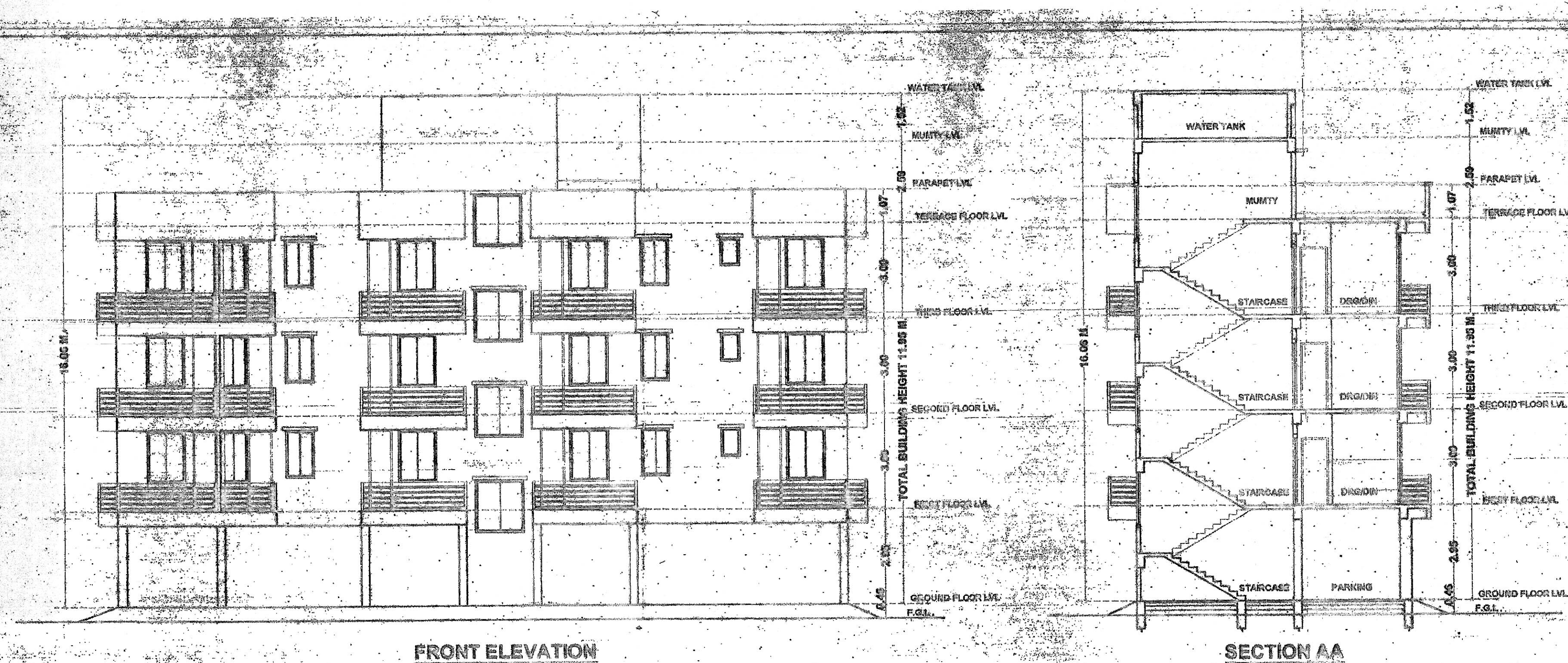




SPECIFICATION:-

1. FOUNDATION - R.C.C. UNDER REAMED PILE FOUNDATION 6.8M DEEP WITH R.C.C. AS STRUCTURAL ENGINEER
2. SUPER STRUCTURE - 16 G.S.S. RAFT WORK IN SUPER
3. ROOF - 16 G.S.S. RAFT WITH 12 CM. THICK SLAB NORTH 18
4. PLINTH - HEIGHT 1.8' AND G.L. AS SHOWN IN SECTION.
5. FLOORING - 0.025M TH. I.P.S. FLOORING OVER R.C.C. TH. DRY RAKED KHAN OVER 0.075 M TH. BRICK FLAT SOILING OVER SAND FILLING
6. ROOF - 0.10M TH. AVERAGE LIME TERRACING OVER R.C.C. ROOF SLAB.
7. DOORS - CHOKHATS OF DOORS TO BE SAL-WOOD.
8. WINDOWS - ALL WINDOWS TO BE FULLY GLAZED IN STEEL
9. FLOATED - 0.10M. DEEP WHITE WASH ON BOTH SIDE OF BRICK WORK.
10. COLOURING - COLOUR OR ORIENT WASH AS/ACNICE

SCHEDULE OF DOORS, WINDOWS AND VENTILATORS					
DOOR/WIN	WIDTH	SILL	LINTEL	HEIGHT	DESCRIPTION
01	1.07	0.5	2.10	2.10	Shutter flush door
02	0.93	0.5	2.10	2.10	Shutter flush door
03	0.94	0.5	2.10	2.10	Shutter flush door
04	0.76	0.5	2.10	2.10	Shutter flush/PVC door
05	0.76	0.5	2.50	2.50	Shutter flush/PVC door
W1	1.52	0.90	2.59	1.69	2 leaf casement win
W2	1.22	0.90	2.59	1.69	2 leaf casement win
W3	0.91	1.06	2.59	1.53	2 leaf casement win
W4	0.61	1.82	2.59	0.77	Glazed Window

WATER TANK CALCULATION

TOTAL NO. OF FLAT = 9 NOS.
EACH FLAT HAVE = 9 X 5 = 45 PERSON
TOTAL NO. OF PERSON = 9 X 5 = 45 PERSON
PER PERSON REQ. VOLUME = 135 LT./day
TOTAL REQ. VOLUME OF WATER TANK = ~~45~~ 45 X 135 = 6075.0
LT.
= 6.075 qm.
VOLUME OF WATER TANK SIZE = $2.074 \times 89 \times 1.52 + 0.15 =$
 15.38 qm.
TOTAL PROVIDE AREA OF WATER TANK = 16.38 qm.
= 163800 L.T.

AREA CALCULATION:-

AREA CALCULATION
TOTAL PLOT AREA = 370.03 sqm.
GROUND FLOOR AREA = 13.20 sqm.
FIRST FLOOR AREA = 208.82 sqm.
SECOND FL. BU AREA = 208.82 sqm.
THIRD FL. BU AREA = 208.82 sqm.
TOTAL FLOOR BUILT UP AREA = 639.66 sqm
total built up area
F.A.R. = $\frac{\text{Plot area}}{\text{F.A.R.}} = \frac{639.66}{370.03} = 1.73$

PARKING CALCULATION:-

RESIDENTIAL PARKING
 REQUIRED PARKING 25% of TOTAL BU/UP AREA IN RESIDENT
 TOTAL BU/UP AREA = 639.65 sq.m.
 TOTAL REQUIRED CAR PARKING AREA = 639.63 X .25 = 159.91
 TOTAL PROVIDED PARKING CAPACITY = 193.63sq.m.

SEPTIC TANK CALCULATION:-	
TOTAL NO. OF FLAT = 9 NOS.	
EACH FLAT HAVING 5 PERSON	
TOTAL NO. OF PERSON = $9 \times 5 = 45$ PERSON	
PER PERSON REQD. VOLUME = 0.085q.m./day	
TOTAL REQD. VOLUME OF SEPTIC TANK = $45 \times 0.085 = 3.825 \text{ q.m.}$	
VOLUME OF SEPTIC TANK SIZE = $3.00 \times 0.20 \times 12.00 = 7.20 \text{ q.m.}$	
TOTAL PROVIDE AREA OF SEPTIC TANK = 12.00 q.m.	

WATER HARVESTING SUMP CALCULATION :-
TERRACE FLOOR AREA = 224.26 sq.m.
RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR
EVERY 100 SQ.M. TERRACE AREA,
SO TOTAL
REQ. CAPACITY OF SUMP = $2.24 \times 6 = 13.44$ CUM.
PROVIDED TANK SIZE = $3.0 \times 2.5 \times 2.5 = 18.75$ cum
TOTAL VOLUME OF SUMP = 18.75 cum

PLOT DETAILS :-
PROPOSED RESIDENTIAL BUILDING FOR SMT. ASHVA,
S/O SRI SHAILESH KUMAR, MAUZA - DANAPUR SHAHJAD
THANA - DANAPUR ,TAUZI NO-5400,THANA NO- 21
PLOT NO -921 (P), KHATA NO-254,
DIST - PATNA

SHEET NO. SCALE NORTH
S.D. 10104 1 : 100

Agus
Agus

Shahid R.
Er. Shaileut Ranyan
B.Sc (Engineering), M. E
Emp No. 1616/2016/PNDP
PNDP, Darapur

SIGNATURE OF OWNER

SIGNATURE OF ENGINEER

[illegible]