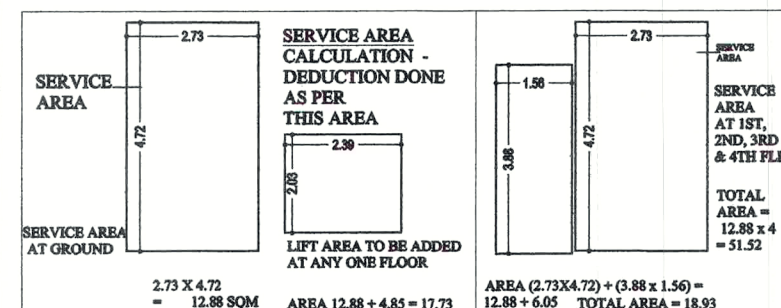
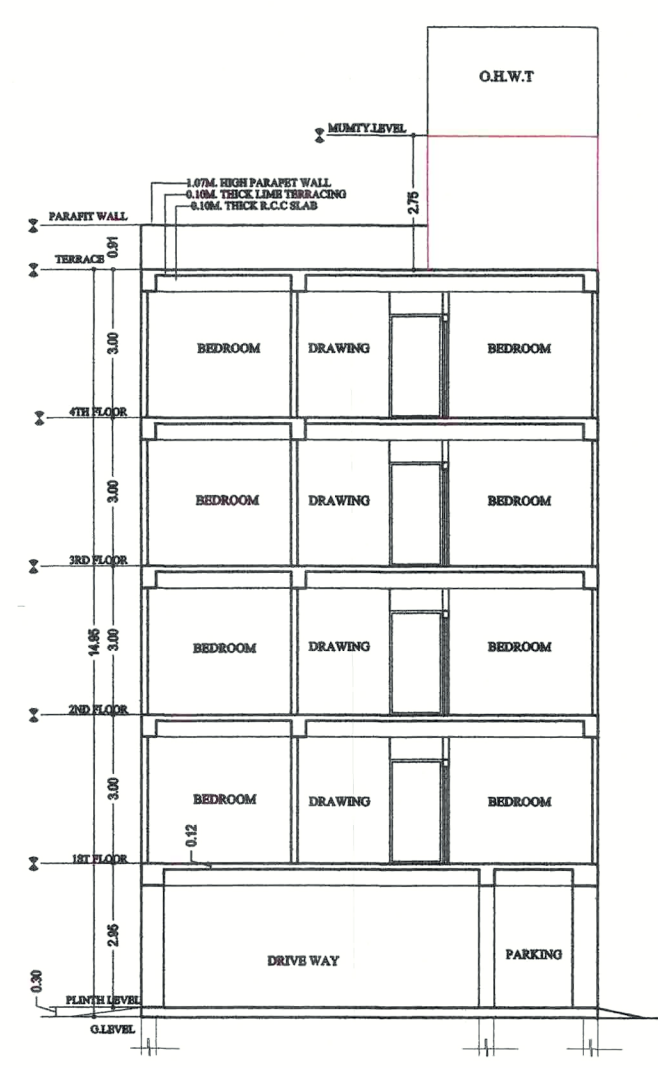
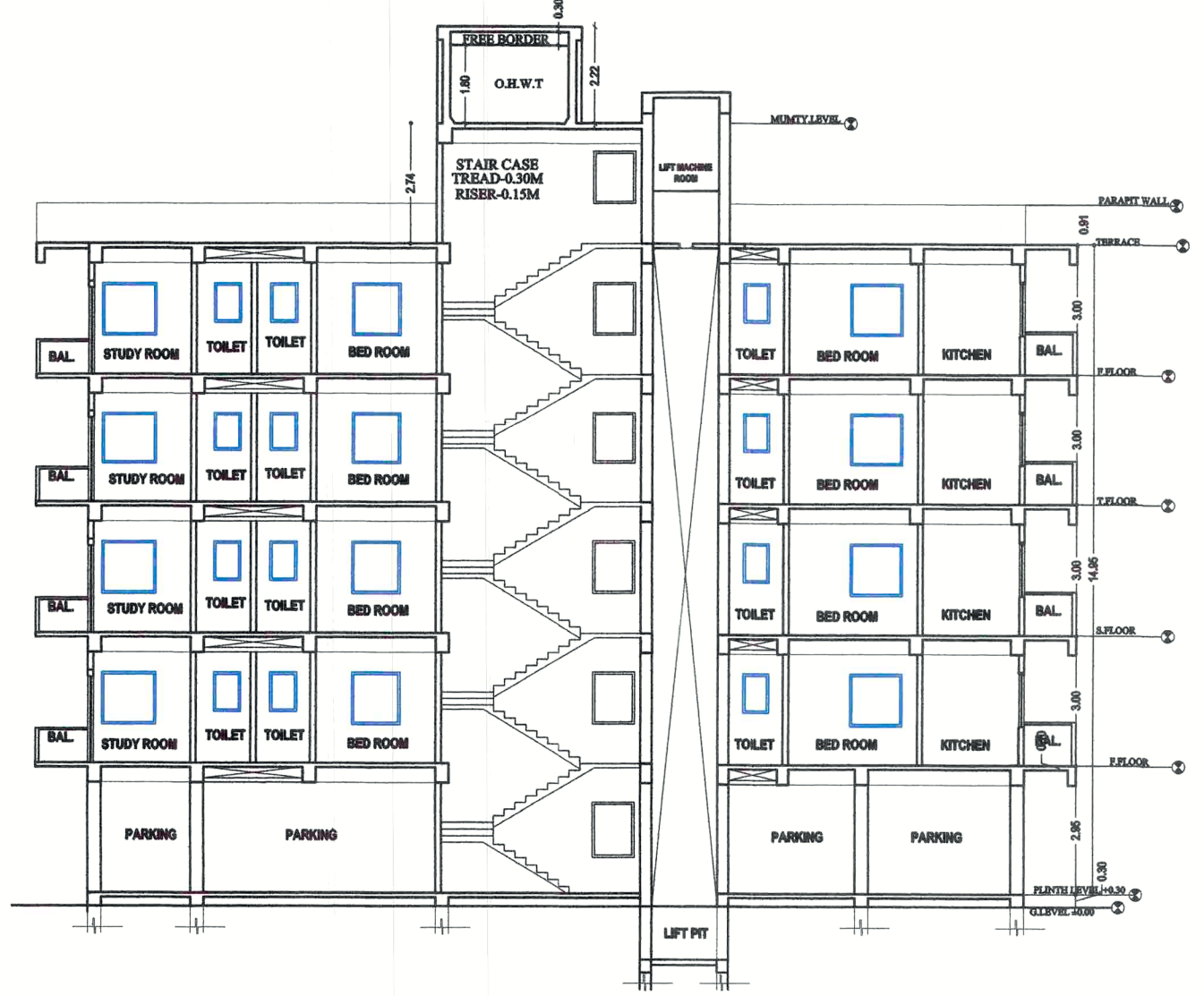




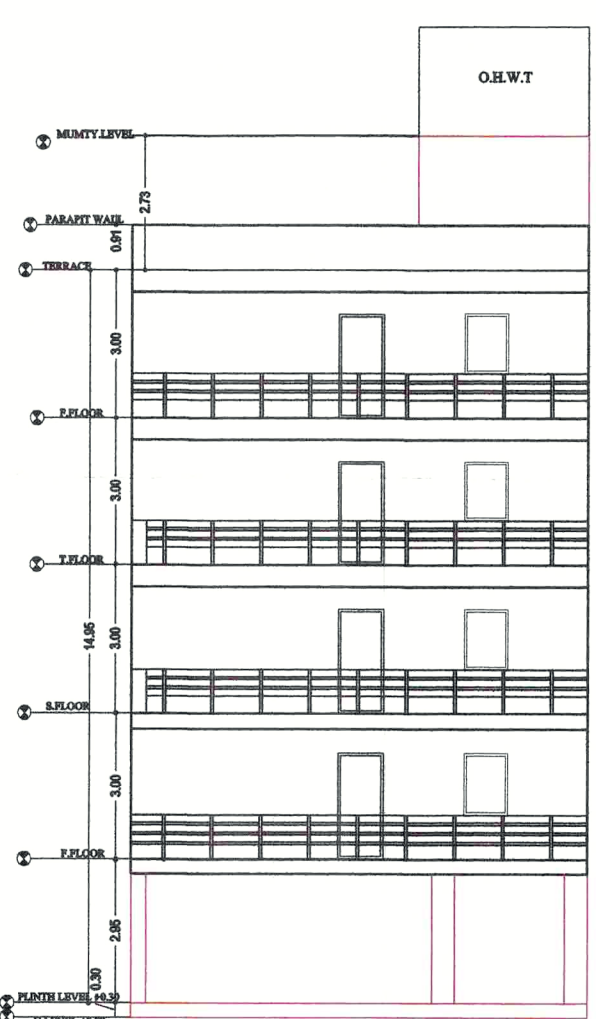
EAST ELEVATION



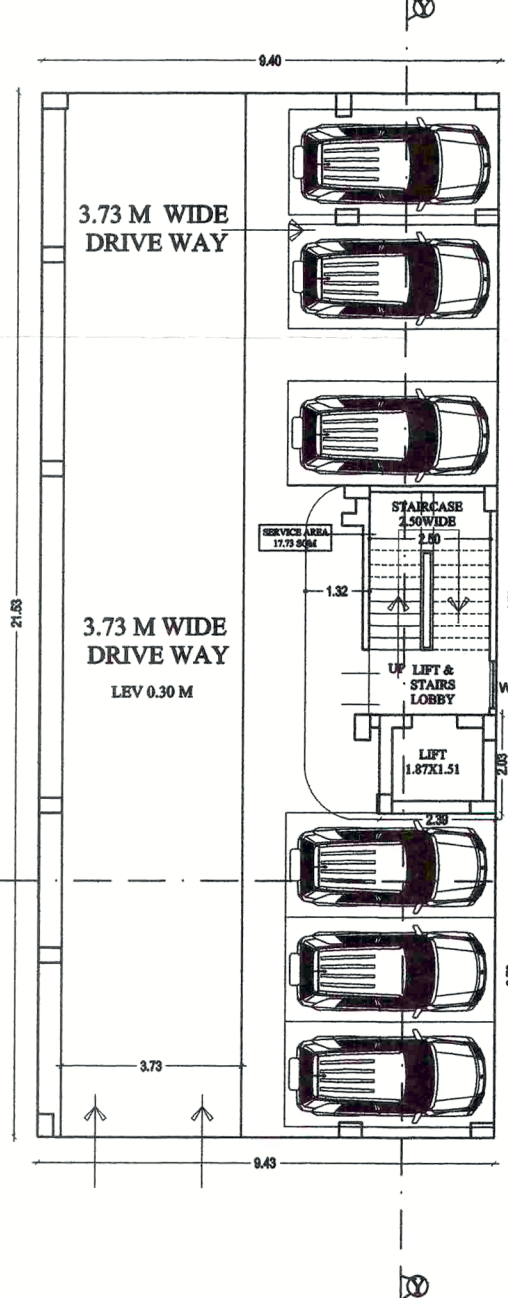
SECTION X-X'



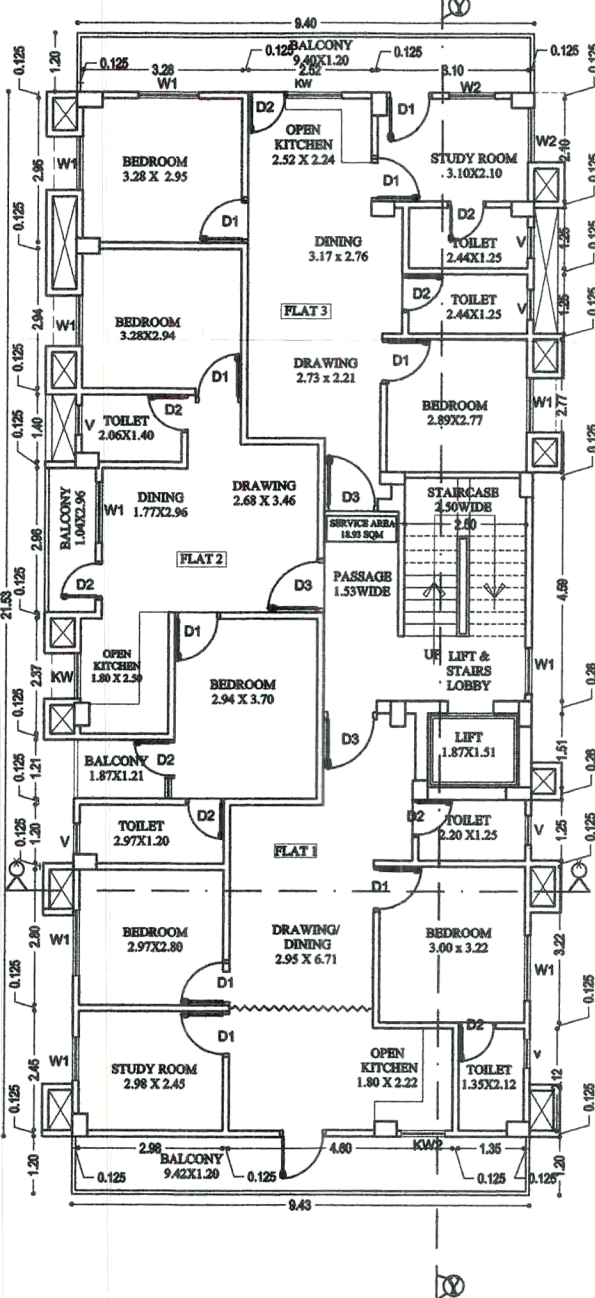
SECTION Y-Y'



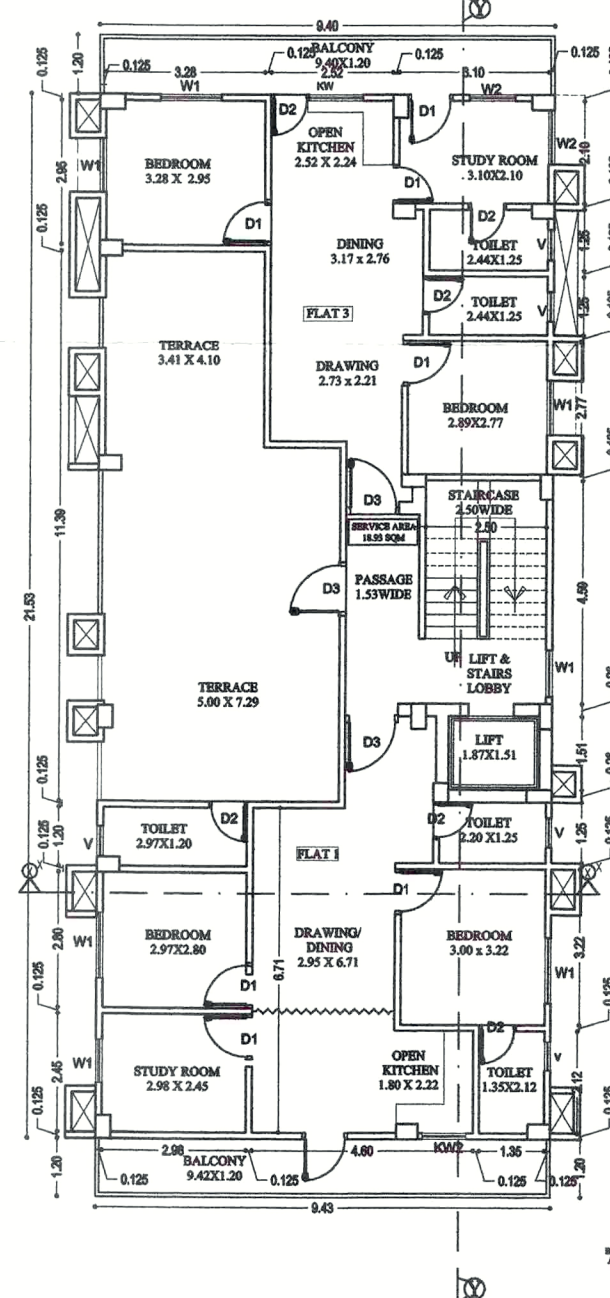
FRONT ELEVATION



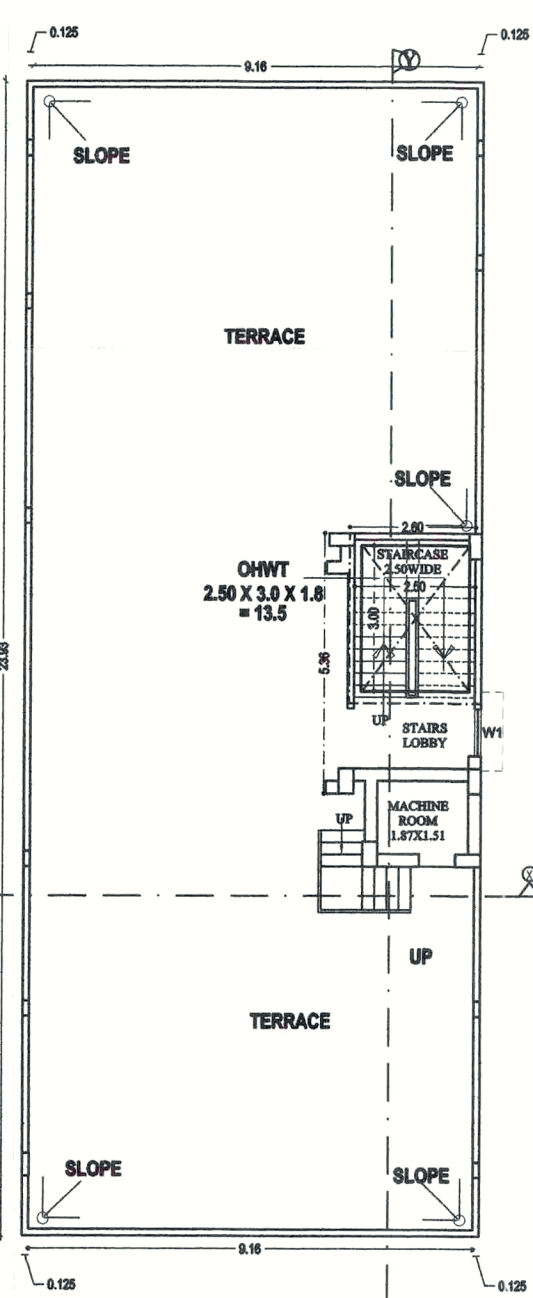
GROUND FLOOR PLAN



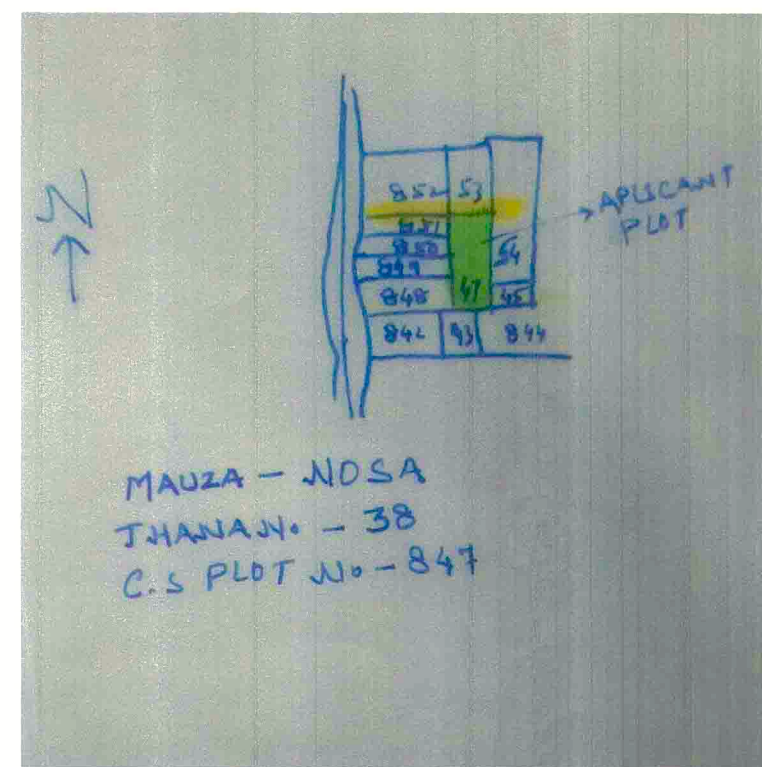
1ST, 2ND, 3RD TYPICAL FLOOR PLAN



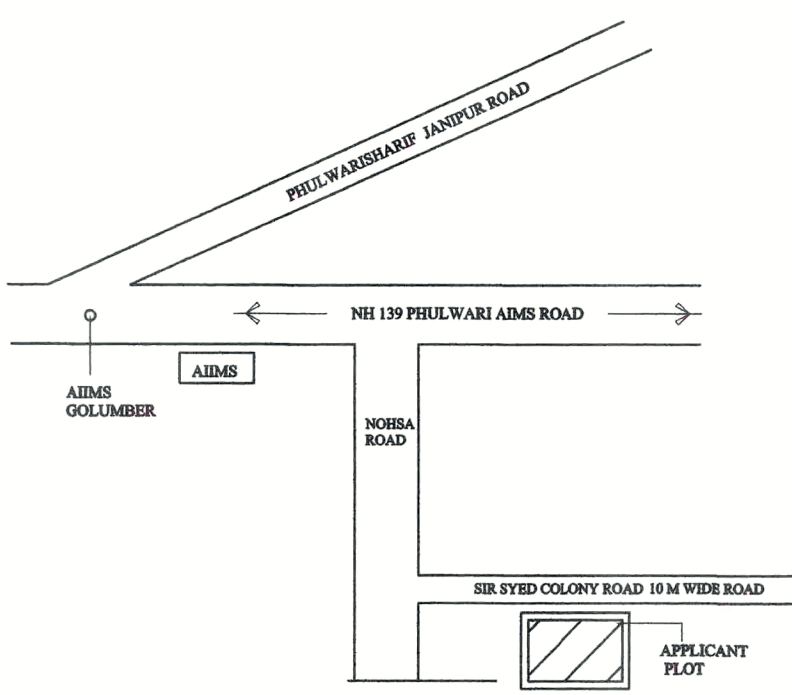
FOURTH FLOOR PLAN



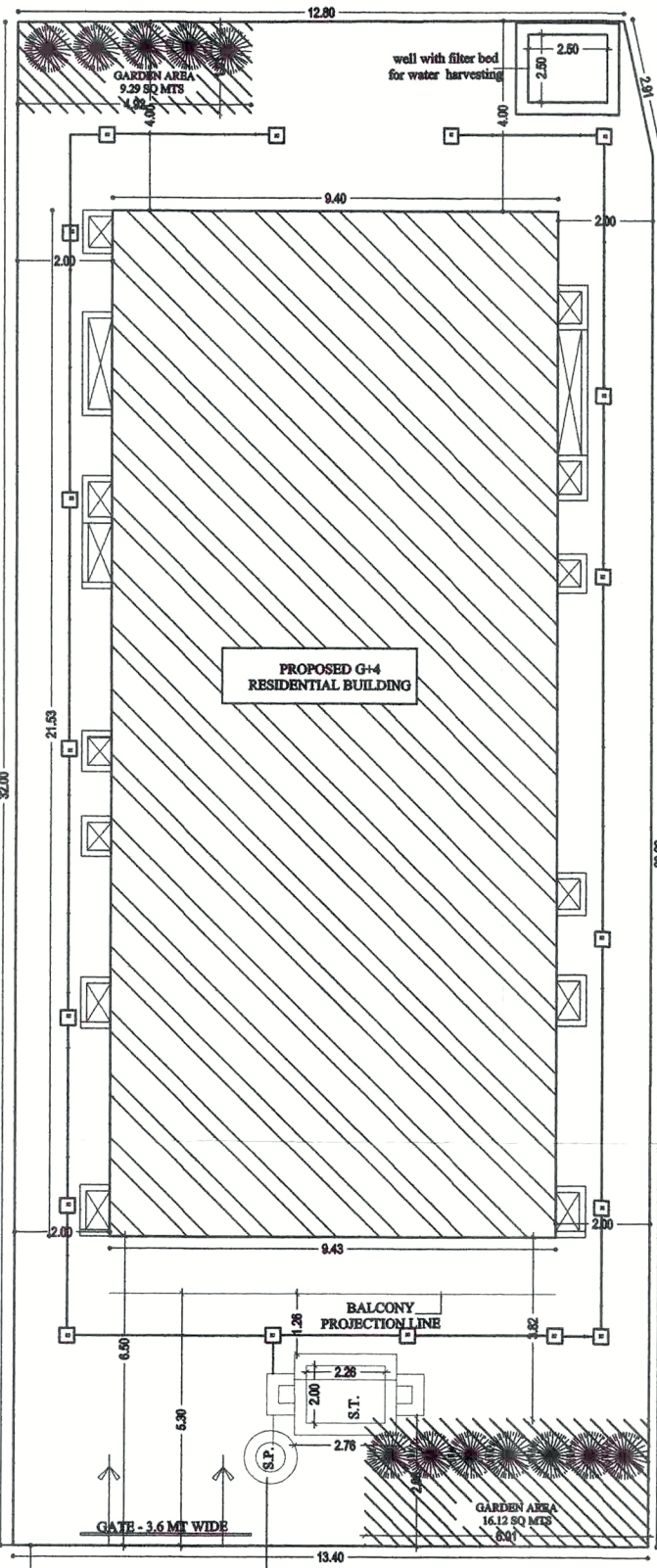
TERRACE FLOOR PLAN



KEY PLAN



LOCATION PLAN

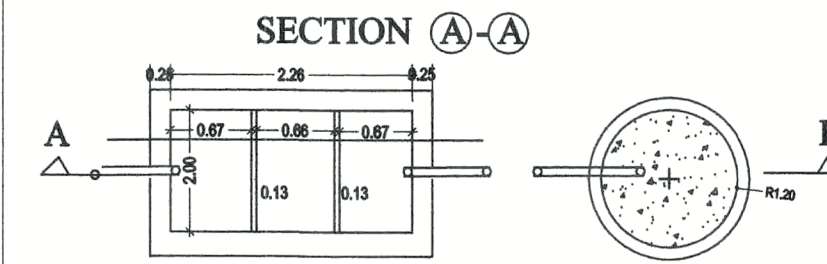
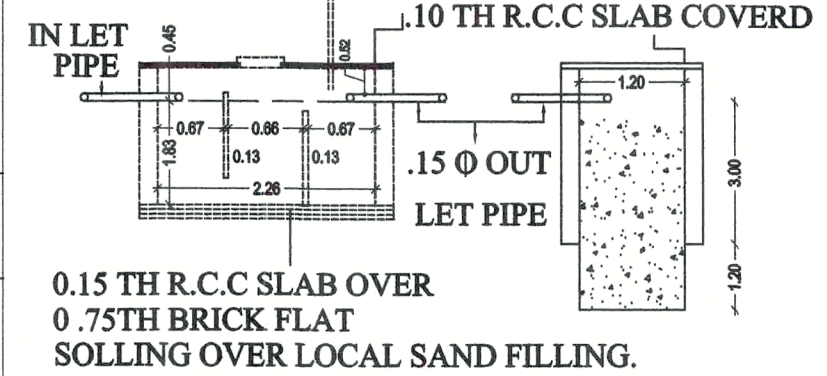


SITE PLAN

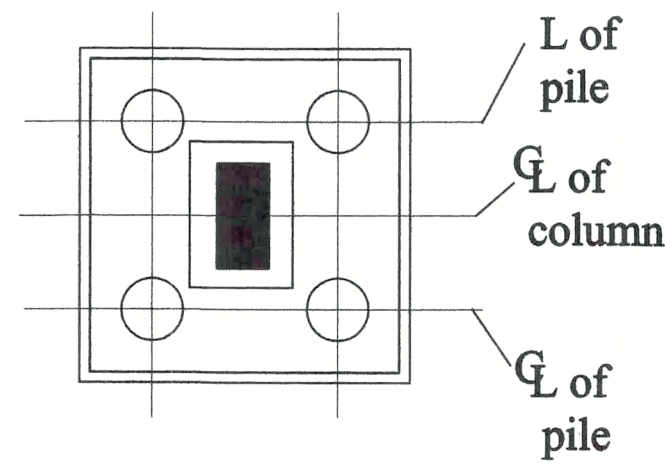
SITE PLAN 1:100

TOTAL NUMBER OF FLAT = 11
EACH FLAT HAVING PERSON = 6X11= 66
TOTAL PERSON = 66
EXTRA FIVE PERSON = 66 + 5 = 71
TOTAL NUMBER OF PERSONS = 71
VOLUME OF SEPTIC TANK REQUIRED
@ 0.085/HEAD/PER DAY
= 0.085 X 71 = 6.04 CUB M
SEPTIC TANK PROVIDED
= 8.27 CUB M
SIZE OF SEPTIC TANK
= 2.26 X 2.00 X 1.83 = 8.27
2.26 - 0.26 = 2.00 (DEDUCT 0.26M INNER WALL)

SEPTIC TANK CALCULATION



SEPTIC TANK TYPICAL SECTION



TYPICAL PILE DETAIL

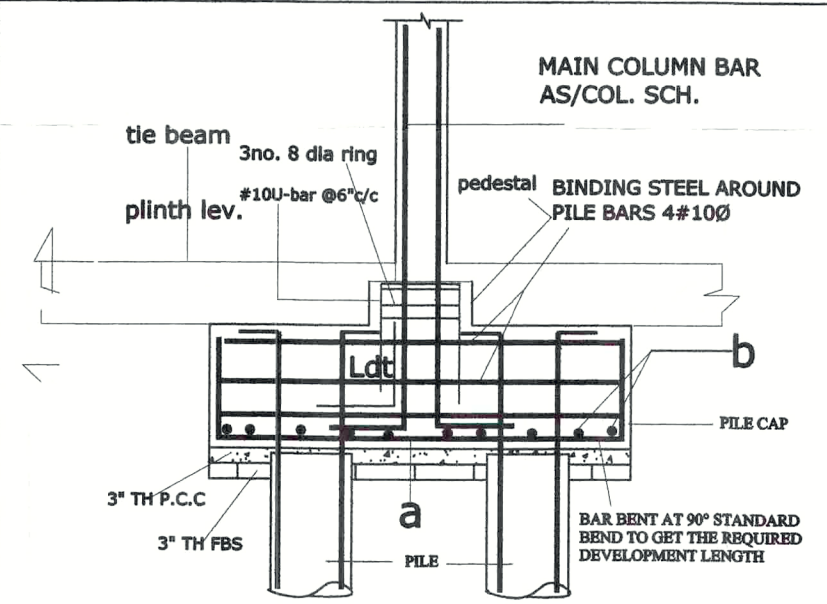
TIE BEAM/
STRUCTURAL
DETAIL

6 MM Ø RING
20 C.M C/C

10MM MAIN

REMING
CONC 1:1½:3

FOUNDATION DETAIL



PILE CAP DETAIL

TOTAL ROOF AREA = 196 SQM
REQUIRED 6 CUBIC METERS FOR EVERY 100 SQ M
OF ROOF AREA AS PER NORMS FOR RAIN WATER
HARVESTING
ROOF AREA = 196
RECHARGING PIT SIZE FOR THE GIVEN AREA
= 196/100 X 6 = 11.76 CuM
REQUIRED PIT SIZE = 11.76 CuM
PROVIDED PIT SIZE = 2.5 X 2.5 X 3 = 18.75 CuM

AREA CALCULATION IN SQ M	
PLOT AREA AS PER DEED	= 430.10 SQ M
TOTAL PLOT AREA AS PER SITE	= 430.03 SQ M
NET PLOT AREA	= 430.03 SQ M

PERMISSIBLE FAR	= 2.0
PERMISSIBLE BUILT/UP	= 430.03 x 2.0 = 860.06 SQMT

FLOOR NAME	BUILT-UP AREA	NET DEDUCTION (Walls/Columns)	NET BUILT-UP AREA	50% PROJECTED BALCONY AREA
GROUND FLOOR	17.73 SQM.		17.73 SQM.	00.00 SQM.
1ST FLOOR	203.12 SQM.	4.83 SQM.	198.27 SQM.	11.27 SQM.
2ND FLOOR	203.12 SQM.	4.83 SQM.	198.27 SQM.	11.27 SQM.
3RD FLOOR	203.12 SQM.	4.83 SQM.	198.27 SQM.	11.27 SQM.
4TH FLOOR	151.71 SQM.	4.83 SQM.	146.86 SQM.	11.00 SQM.
ROOF	12.88 SQM.	12.88 SQM.	0.00 SQM.	00.00 SQM.
TOTAL	791.68 SQM.	32.28 SQM.	759.4 SQM.	44.81 SQM.
TOTAL B/UP AREA WITH BALCONY =		759.4 SQM. + 44.81	804.21 SQM.	

NET BUILT-UP AREA = 759.4 + 44.81 = 804.21 SQM.
(including 50% projected balcony area for calculation of F.A.R.)

F.A.R CONSUMED $\frac{804.21}{430.03} = 1.87$

PARKING CALCULATION

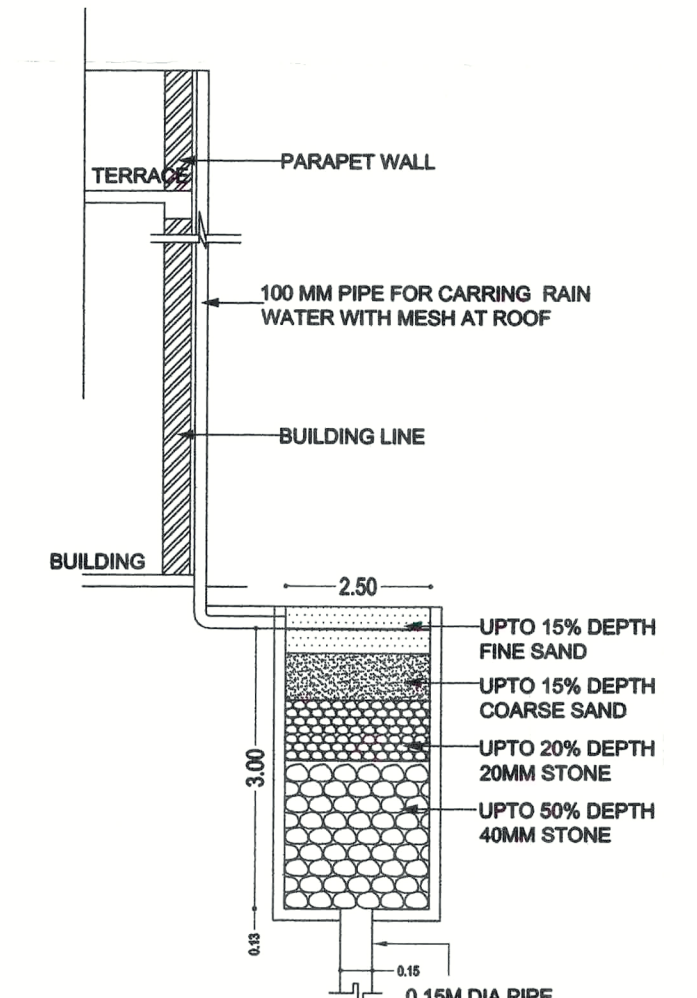
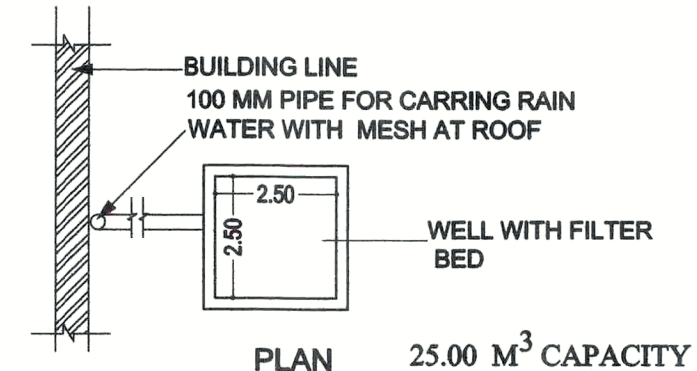
TOTAL NET B/UP AREA = 804.21 SQM
REDUCING SERVICE AREA FROM NET B/UP AREA
I.E. = 804.21 - (17.73 + 18.93 + 18.93 + 18.93)
= 804.21 - 93.45 = 710.77 SQM
REQUIRED PARKING AREA = 710.77 X 25%
= 177.69 SQM
PROVIDED PARKING AREA = 185.24

WATER TANK CALCULATION

TOTAL NUMBER OF FLAT = 11
EACH FLAT HAVING 6 PERSON = 6X11 = 66
TOTAL NO OF PERSONS 66 NOS
5 PERSONS EXTRA FOR LIFT MAN &
GUARD SO TOTAL PERSONS - 66+5 = 71 PERSONS
WATER REQUIRED @ 135 LTS. PER HED PER DAY .
135 X 71 = 9585.00 LTR
TOTAL REQUIREMENT = 9,585.00 LTS. = 9.5 CUB M
PROVIDED OF WATER TANK-- 13.5 CUB M
SIZE : 2.50 X 3.00 X 1.80 = 13.5 CUB M

GREEN AREA CALCULATION

NET PLOT AREA = 430.03 SQ.M
REQUIRED GREEN AREA = 5% OF 430.03 SQ.M = 21.50 SQ.M
GREEN AREA FRONT SIDE
FRONT= 16.12 SQ.M
BACK= 9.29 SQ.M
PROVISION OF GREEN AREA= 25.41 SQ.M



RAIN WATER HARVSTING CALCULATION & DIAGRAMN

SPECIFICATION					
1.	R.C.C. PILES FOUNDATION AS PER STRUCTURAL DESIGN	TYPE	WIDTH	HEIGHT	SILL. LEV.
2.	IST CLASS BRICK WORK IN CEMENT MORTAR (1:6) IN SUPER STRUCTURE	D1	0.94	2.13	0.0
3.	0.112 TH LIME TERRACING OVER 0.10 TH R.C.C. SLAB ON TOP FLOOR	D2	0.78	2.13	0.0
4.	0.025 TH I.P.S. FLOORING OVER 0.15 TH DRY RAMMED KHOA OVER 0.075 TH FLAT BRICK SOLING	D3	1.07	2.13	0.0
5.	12MM TH. CEMENT PLASTER ON BOTH SIDE OF WALL	W1	1.25	1.20	0.90
6.	ALL FLUSH DOORS AND STEEL FRAME WITH GLAZED WINDOW	W2	0.94	1.20	0.90
7.	WHITE AND COLOR WASH AS PER CHOICE	V	0.62	1.20	1.07
		KW	1.25	1.52	0.90
		KW2	0.94	1.52	0.90

PROPOSED RESIDENTIAL BUILDING FOR
Md. SHAHRUKH, S/O Md. IRSAD
S. PLOT NO:- 847 (P), MAUZA :- NOSHA THANA
NO:- 38, THANA :- PHULWARI TAUZI NO :- 5441,
KHATA NO:- 201 DIST :- PATNA .

ALL DIMENTION IN METER		SHEET NO.	ORIENTATION:-
SCALE-1:100 SCALE-1:200		01	

BESTA CONSTRUCTION
(OPC) PVT. LTD.
Director

SIGNATURE OF OWNER

ALTAZ INFRACON PVT. LTD.
Director's
B.R./UDSD/BLDR/P/23-0190

SIGNATURE OF DEVELOPER

SHAIKHAN, N.J.
CIVIL ENGINEER
MF NO. BRUDHCE/23-0010
JHODI BHAP (PATNA)

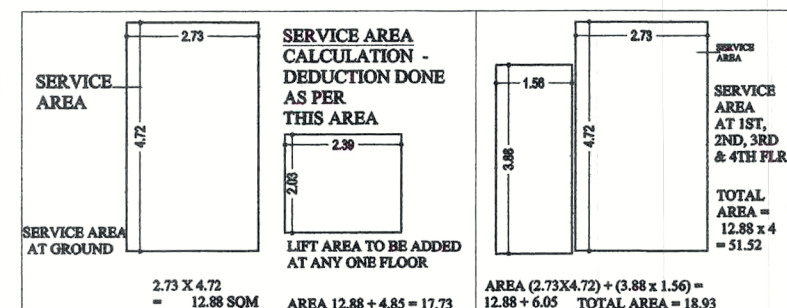
SIGNATURE OF ENGINEER
/ARCHITECT

सहायक नगर योजना प्रयवेहाक,
पटना महानगर क्षेत्र प्राधिकार
अधीक्षण अभियंता
पटना महानगर क्षेत्र प्राधिकार

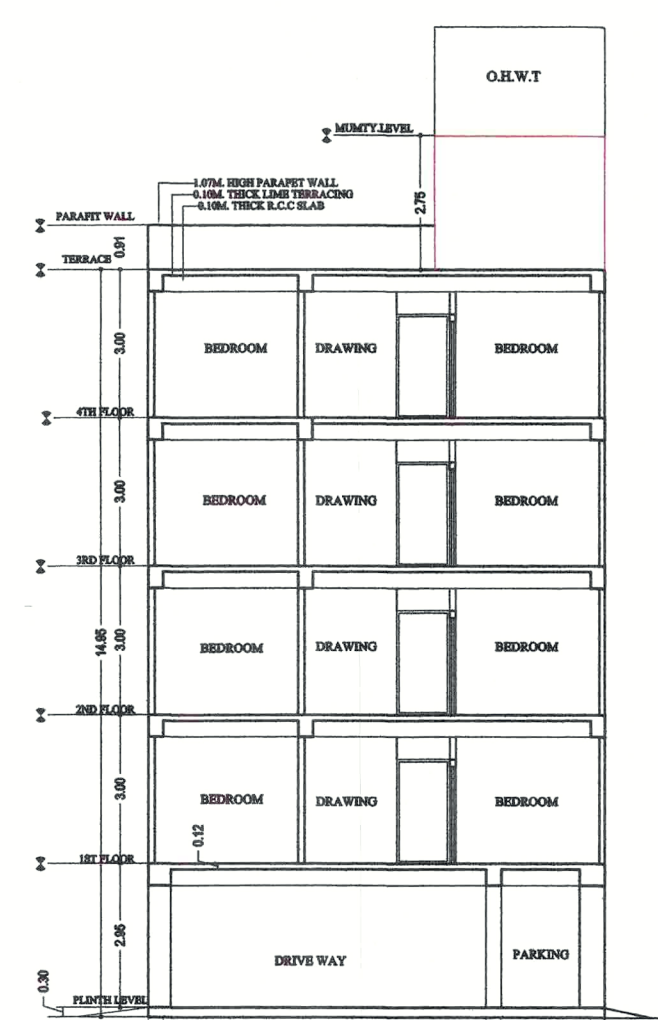
SIGNATURE OF AUTHORITY

Patna Metropolitan Area Authority
Sanction of Plan Case no. 23-0010
dated. 02.11.2023 accorded under
Development Control Regulations For Patna
Master Plan 2031 (Byelaws no 8) of Bihar Building
Byelaws 2014 (as amended 2022) on Date. 02.11.2023

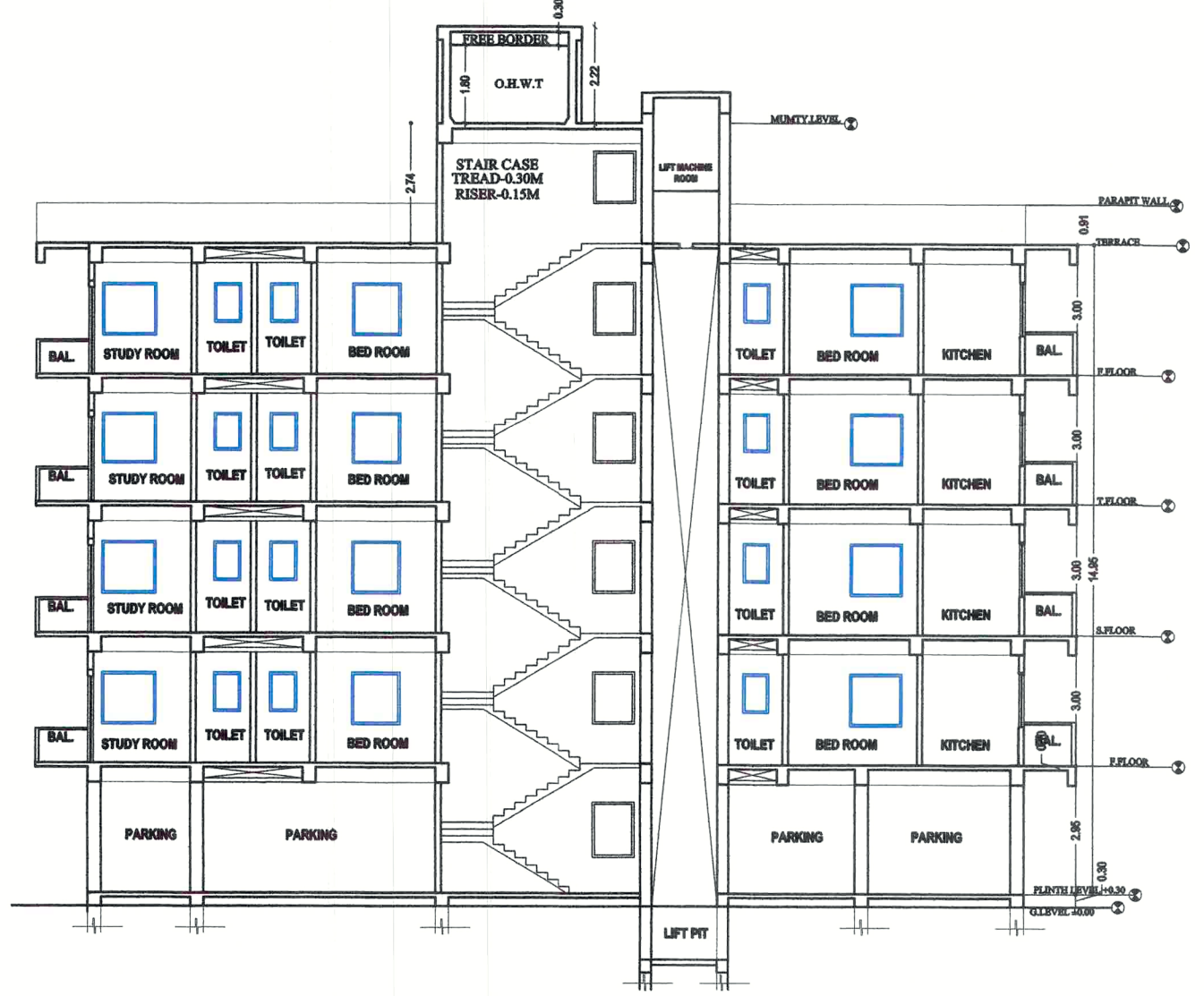
विहार भू-सम्पदा (विनियमन विकास)
नियामक, 2017 की शर्तों के अधीन
राज्य में गठित विनियमन प्राधिकरण
से इस परियोजना का निबंधन
अनिवार्य होगा।



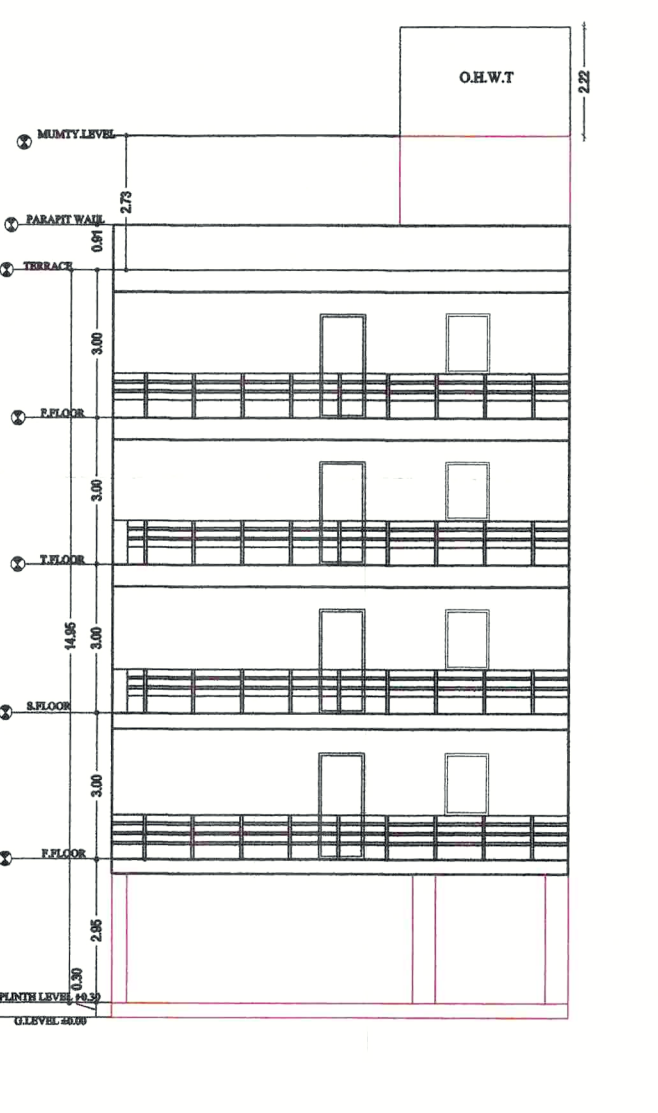
EAST ELEVATION



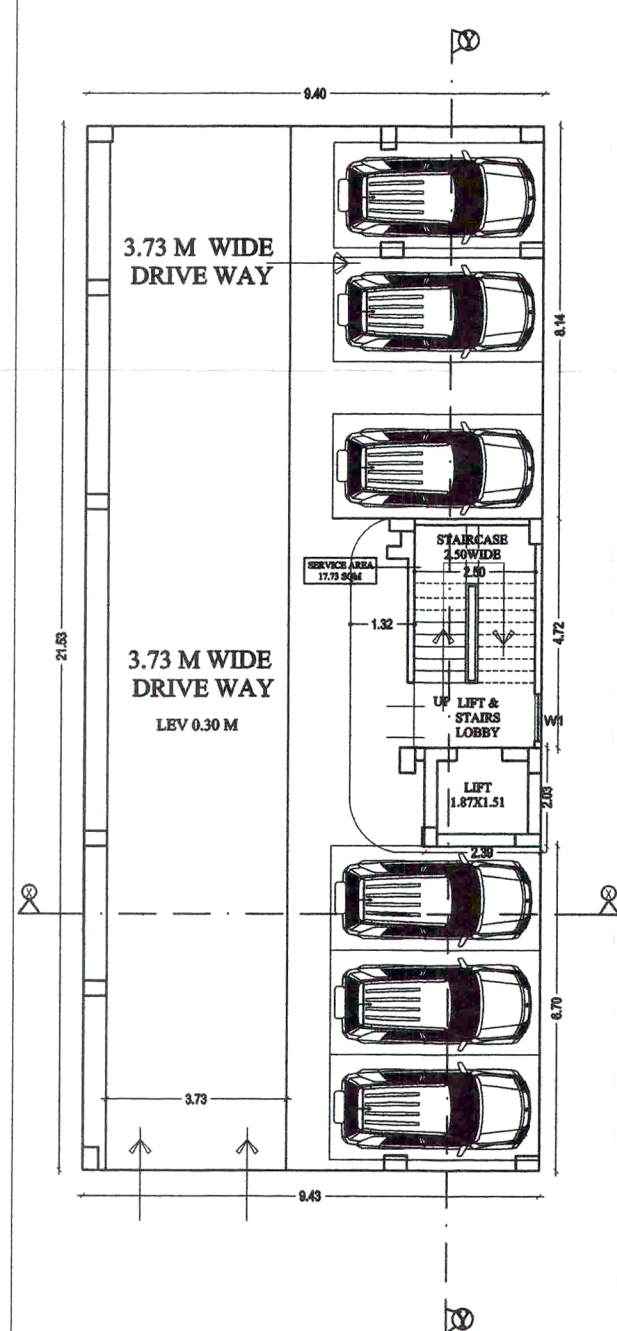
SECTION X-X'



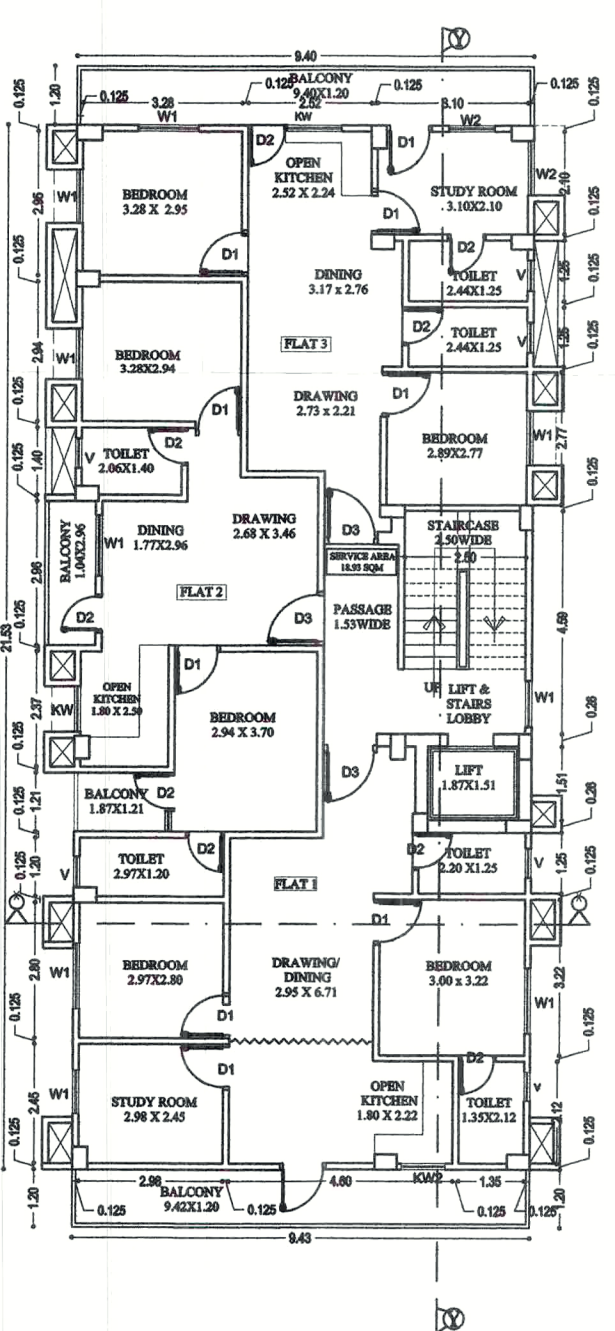
SECTION Y-Y'



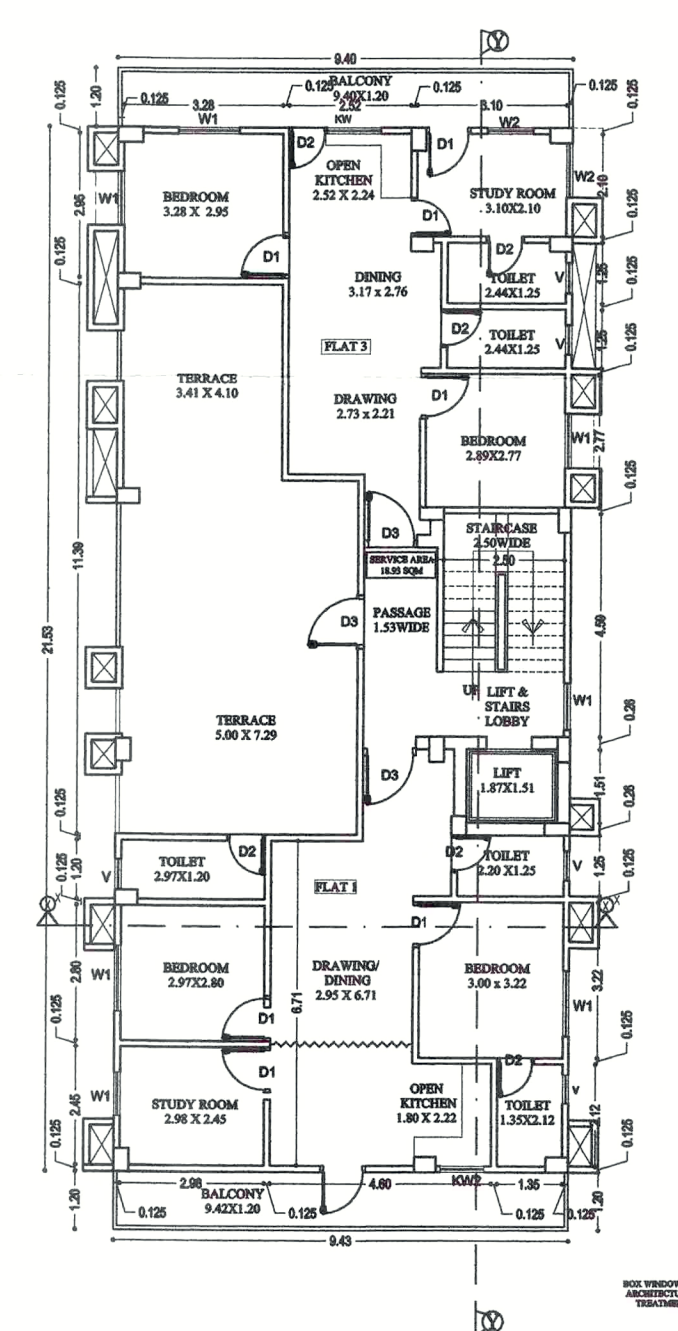
FRONT ELEVATION



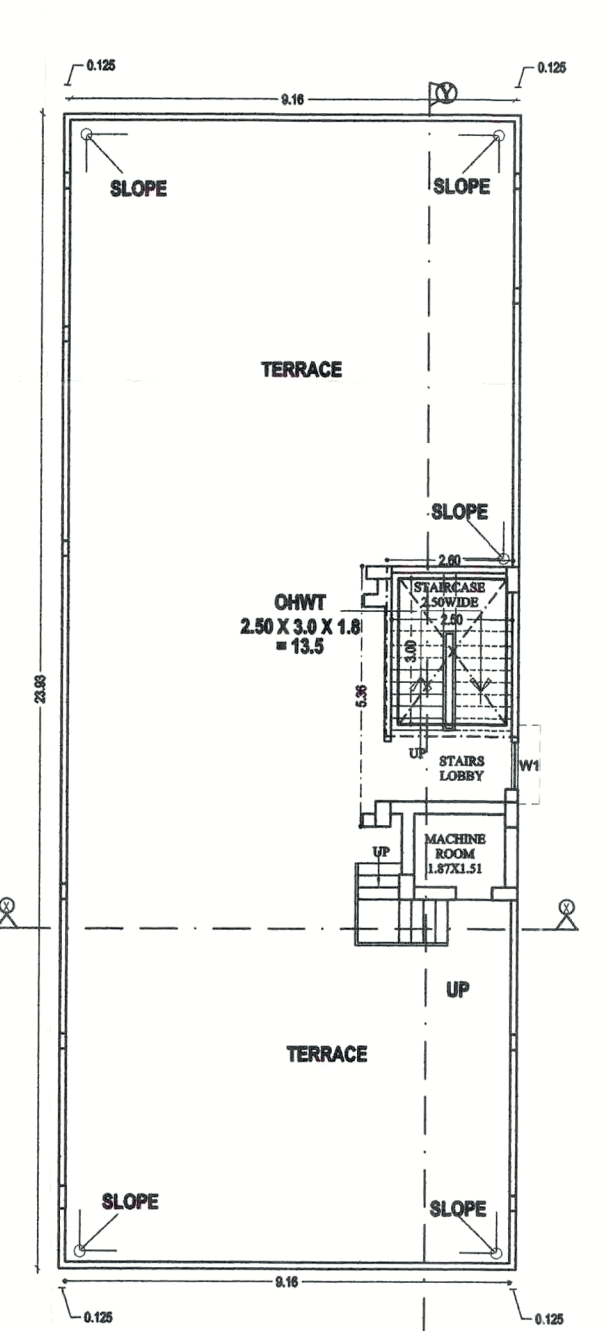
GROUND FLOOR PLAN



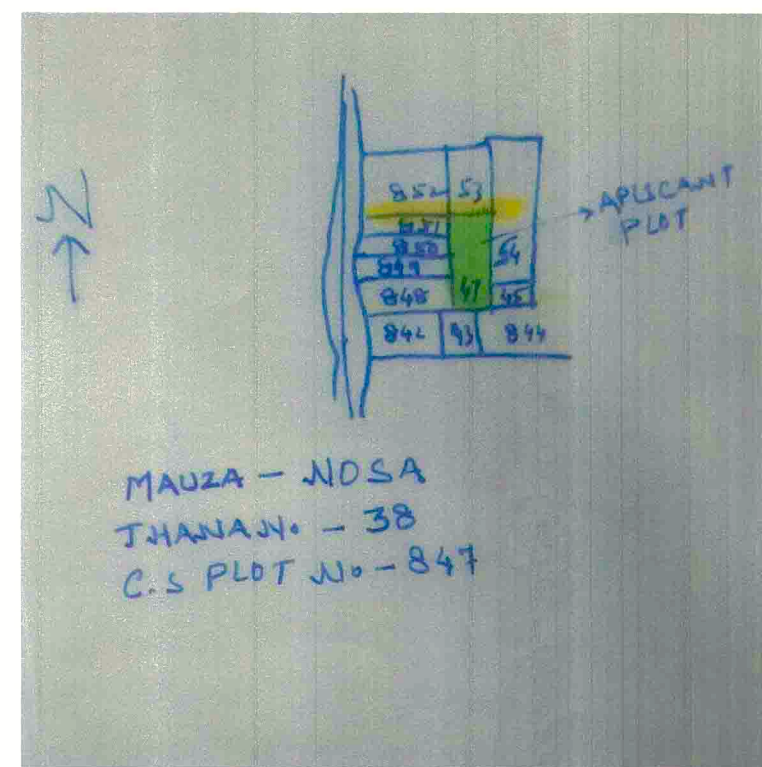
1ST, 2ND, 3RD TYPICAL FLOOR PLAN



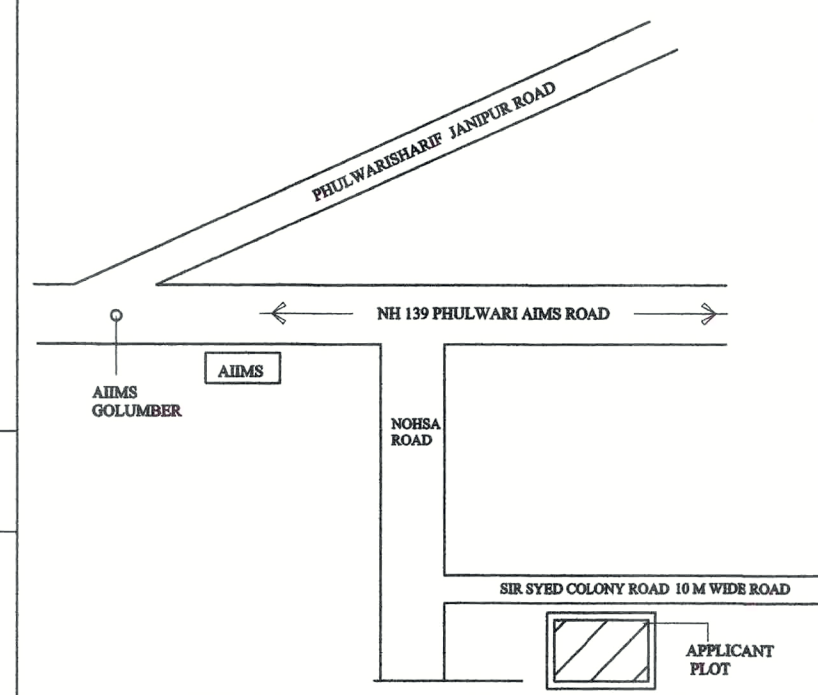
FOURTH FLOOR PLAN



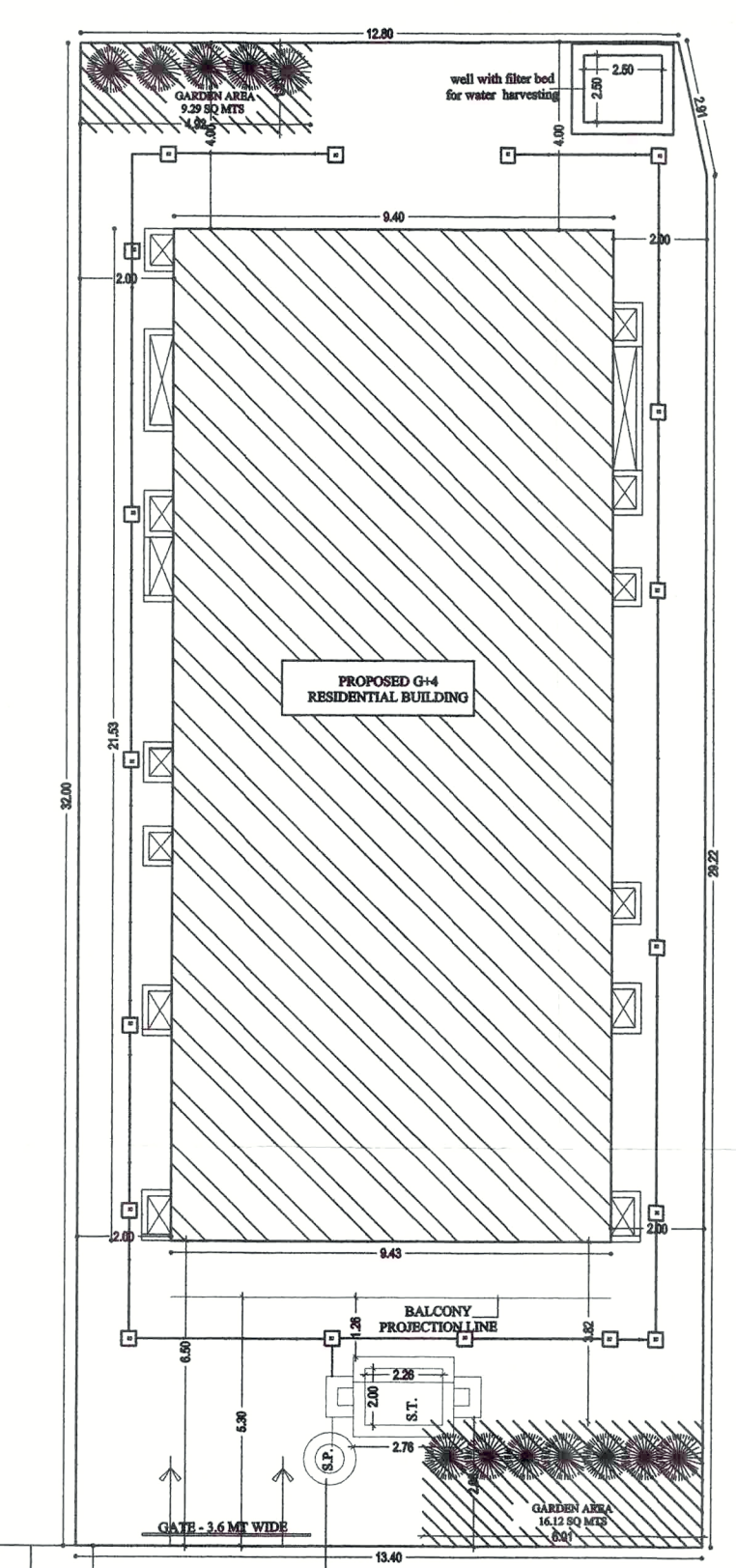
TERRACE FLOOR PLAN



KEY PLAN



LOCATION PLAN

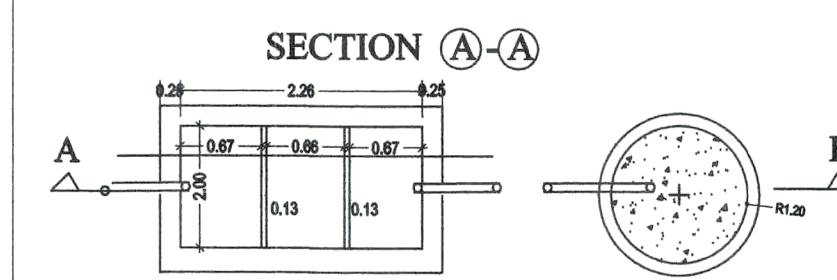
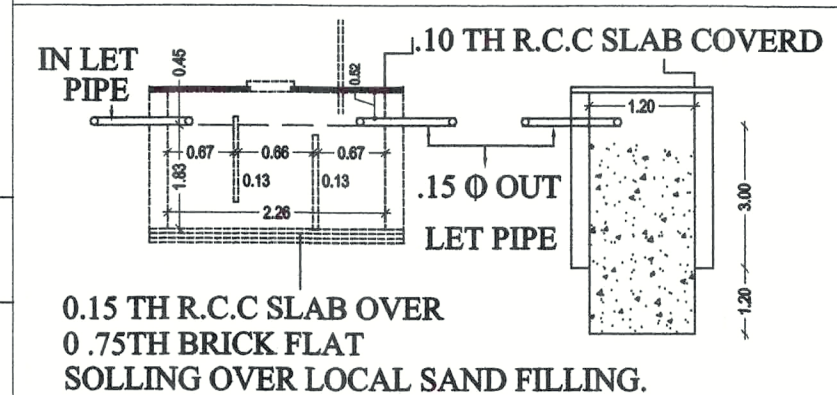


SITE PLAN

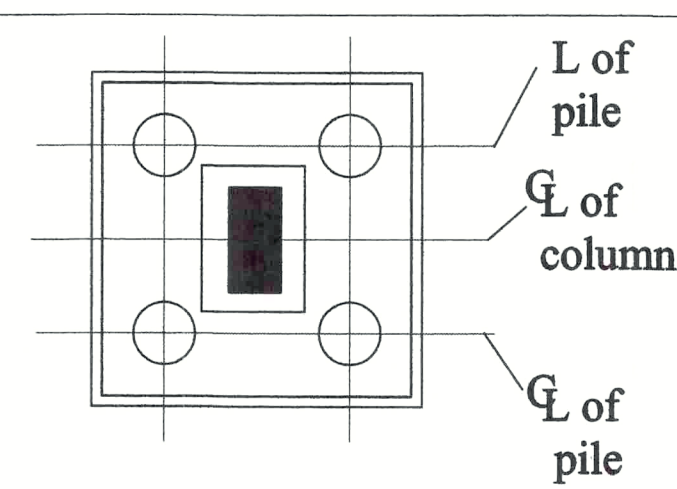
SITE PLAN 1:100

TOTAL NUMBER OF FLAT = 11
EACH FLAT HAVING PERSON = 6X11= 66
TOTAL PERSON = 66
EXTRA FIVE PERSON = 66 + 5 = 71
TOTAL NUMBER OF PERSONS = 71
VOLUME OF SEPTIC TANK REQUIRED @ 0.085/HEAD/PER DAY
= 0.085 X 71 = 6.04 CUB M
SEPTIC TANK PROVIDED = 8.27 CUB M
SIZE OF SEPTIC TANK
= 2.26 X 2.00 X 1.83 = 8.27
2.26 - 0.26 = 2.00 (DEDUCT 0.26M INNER WALL)

SEPTIC TANK CALCULATION



SEPTIC TANK TYPICAL SECTION

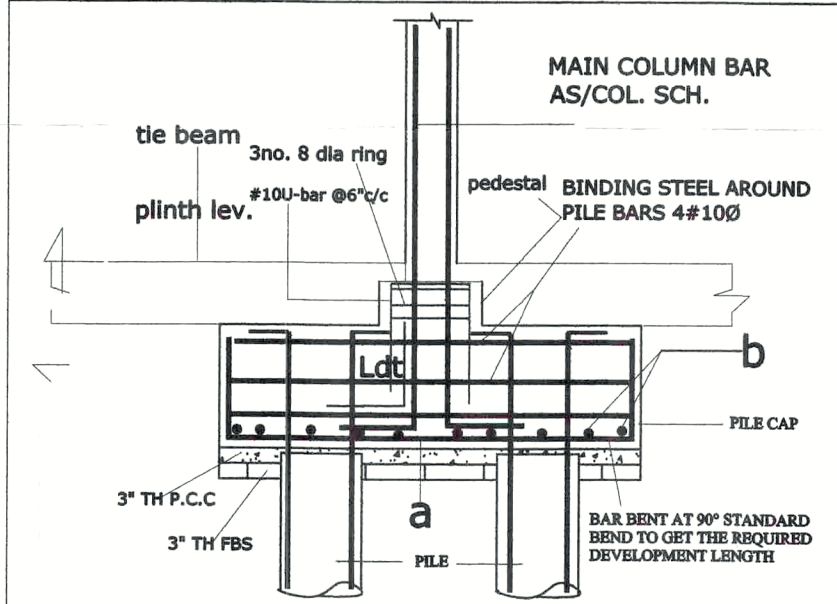


TYPICAL PILE DETAIL

TIE BEAM/ STRUCTURAL DETAIL

6 MM Ø RING
20 C.M C/C
10MM MAIN
REMGING CONC 1:1½:3

FOUNDATION DETAIL



PILE CAP DETAIL

TOTAL ROOF AREA = 196 SQM
REQUIRED 6 CUBIC METERS FOR EVERY 100 SQ M OF ROOF AREA AS PER NORMS FOR RAIN WATER HARVESTING
ROOF AREA = 196
RECHARGING PIT SIZE FOR THE GIVEN AREA = 196/100 X 6 = 11.76 CuM
REQUIRED PIT SIZE = 11.76 CuM
PROVIDED PIT SIZE = 2.5 X 2.5 X 3 = 18.75 CuM

AREA CALCULATION IN SQ M	
PLOT AREA AS PER DEED	= 430.10 SQ M
TOTAL PLOT AREA AS PER SITE	= 430.03 SQ M
NET PLOT AREA	= 430.03 SQ M

PERMISSIBLE FAR = 2.0
PERMISSIBLE BUILT/UP = 430.03 x 2.0 = 860.06 SQM

FLOOR NAME	BUILT-UP AREA	NET DEDUCTION (WALLS/DOORS)	NET BUILT-UP AREA	50% PROJECTED BALCONY AREA
GROUND FLOOR	17.73 SQM.		17.73 SQM.	00.00 SQM.
1ST FLOOR	203.12 SQM.	4.83 SQM.	198.27 SQM.	11.27 SQM.
2ND FLOOR	203.12 SQM.	4.83 SQM.	198.27 SQM.	11.27 SQM.
3RD FLOOR	203.12 SQM.	4.83 SQM.	198.27 SQM.	11.27 SQM.
4TH FLOOR	151.71 SQM.	4.83 SQM.	146.86 SQM.	11.00 SQM.
ROOF	12.88 SQM.	12.88 SQM.	0.00 SQM.	00.00 SQM.
TOTAL	791.68 SQM.	32.28 SQM.	759.4 SQM.	44.81 SQM.
TOTAL B/UP AREA WITH BALCONY =		759.4 SQM. + 44.81	804.21 SQM.	

NET BUILT-UP AREA = 759.4 + 44.81 = 804.21 SQM.
(including 50% projected balcony area for calculation of F.A.R.)

F.A.R CONSUMED $\frac{804.21}{430.03} = 1.87$

PARKING CALCULATION

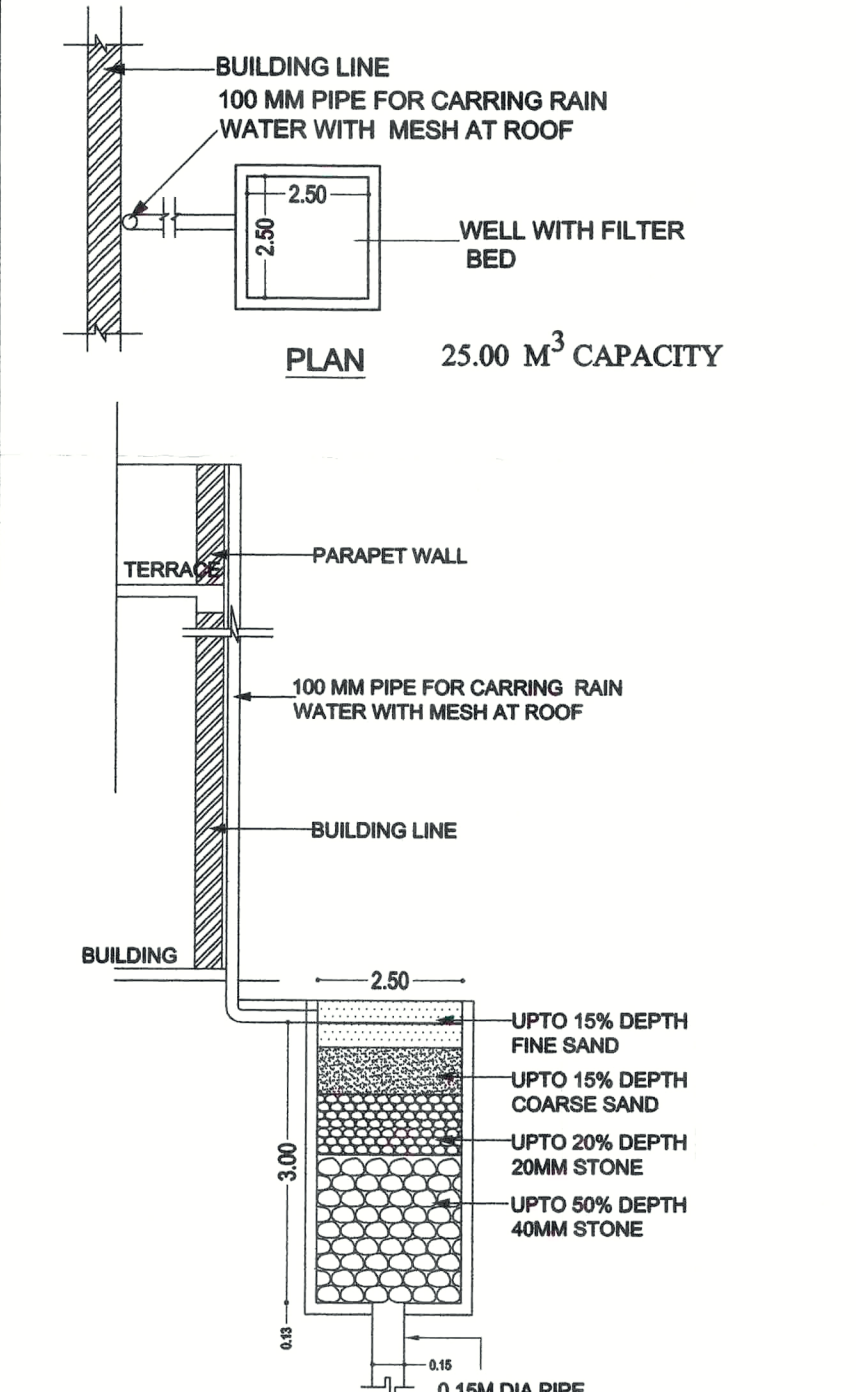
TOTAL NET B/UP AREA = 804.21 SQM
REDUCING SERVICE AREA FROM NET B/UP AREA
I.E. = 804.21 - (17.73 + 18.93 + 18.93 + 18.93 + 18.93)
= 804.21 - 93.45 = 710.77 SQM
REQUIRED PARKING AREA = 710.77 X 25%
= 177.69 SQM
PROVIDED PARKING AREA = 185.24

WATER TANK CALCULATION

TOTAL NUMBER OF FLAT = 11
EACH FLAT HAVING 6 PERSON = 6X11 = 66
TOTAL NO OF PERSONS 66 NOS
5 PERSONS EXTRA FOR LIFT MAN & GUARD SO TOTAL PERSONS - 66+5 = 71 PERSONS
WATER REQUIRED @ 135 LTS. PER HED PER DAY .
135 X 71 = 9585.00 LTR
TOTAL REQUIREMENT = 9,585.00 LTS. = 9.5 CUB M
PROVIDED OF WATER TANK-- 13.5 CUB M
SIZE : 2.50 X 3.00 X 1.80 = 13.5 CUB M

GREEN AREA CALCULATION

NET PLOT AREA = 430.03 SQ.M
REQUIRED GREEN AREA = 5% OF 430.03 SQ.M = 21.50 SQ.M
GREEN AREA FRONT SIDE
FRONT = 16.12 SQ.M
BACK = 9.29 SQ.M
PROVISION OF GREEN AREA = 25.41 SQ.M



RAIN WATER HARVSTING CALCULATION & DIAGRAMN

SPECIFICATION					
1. R.C.C. PILES FOUNDATION AS PER STRUCTURAL DESIGN					
2. IST 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					
TYPE	WIDTH	HEIGHT	SILL. LEV.	LIN. LEV.	DESCRIPTION
D1	0.94	2.13	0.0	2.13	PANNEL DOOR
D2	0.78	2.13	0.0	2.13	PANNEL DOOR
D3	1.07	2.13	0.0	2.13	PANNEL DOOR
W1	1.25	1.20	0.90	2.13	DO
W2	0.94	1.20	0.90	2.13	DO
V	0.62	1.20	1.07	2.13	DO
KW	1.25	1.52	0.90	2.13	DO
KW2	0.94	1.52	0.90	2.13	DO

PROPOSED RESIDENTIAL BUILDING FOR
Md. SHAHRUKH, S/O Md. IRSAD
S. PLOT NO:- 847 (P), MAUZA :- NIOSHA THANA
NO:- 38, THANA :- PHULWARI TAUZI NO :- 5441,
KHATA NO:- 201 DIST :- PATNA .

ALL DIMENTION IN METER

SCALE-1:100	SHEET NO.	ORIENTATION:-
SCALE-1:200	01	

BESTA CONSTRUCTION
(OPC) PVT. LTD.
Director

SIGNATURE OF OWNER

ALTAZ INFRACON PVT. LTD.
Director's
B.R./UDSD/BLDR/P/23-0190

SIGNATURE OF DEVELOPER

SHAIKHANIAN, NIOSHA
CIVIL ENGINEER
MF NO. BRUDHICE/23-0010
JCHD BHAP (PATNA)

SIGNATURE OF ENGINEER /ARCHITECT

अधीक्षण अभियंता
पटना महानगर क्षेत्र प्राधिकरण
सहायक नगर योजना एवं विकास,
पटना महानगर क्षेत्र प्राधिकरण

SIGNATURE OF AUTHORITY

Patna Metropolitan Area Authority
Sanction of Plan Case no. 23/2023
dated. 02.11.2023 accorded under
Development Control Regulations For Patna
Master Plan 2031 (Byelaws no 8) of Bihar Building
Byelaws 2014 (as amended 2022) on Date. 02.11.2023

विहार भू-सम्पदा (विनियमन विकास)
नियामक, 2017 की शर्तों के अधीन
राज्य में गठित विनियमन प्राधिकरण
से इस परियोजना का निबंधन
अनिवार्य होगा।