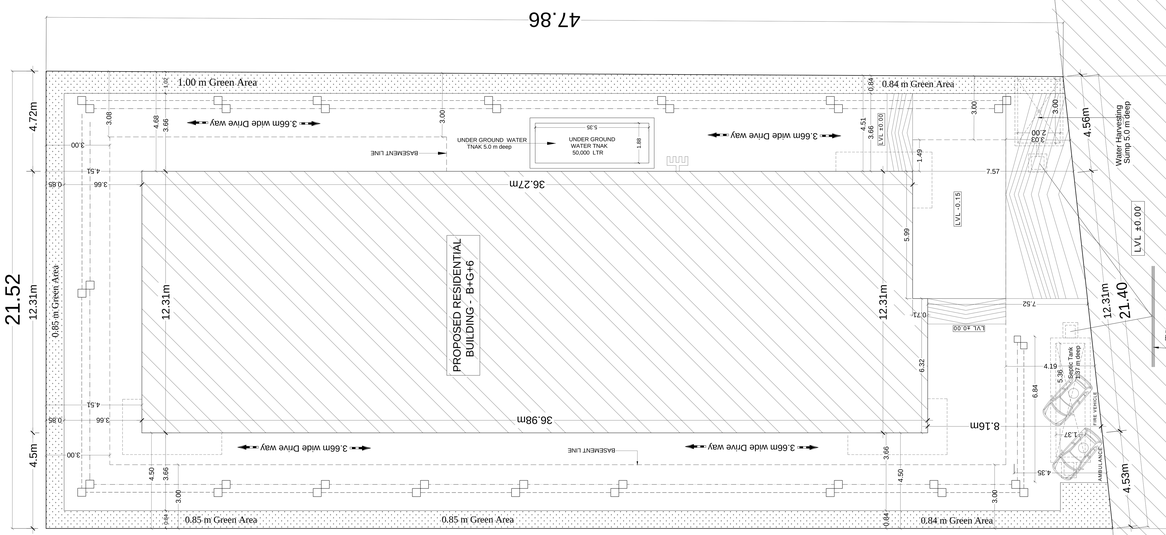
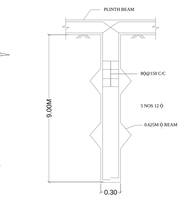
SITE PLAN
SCALE 1:100



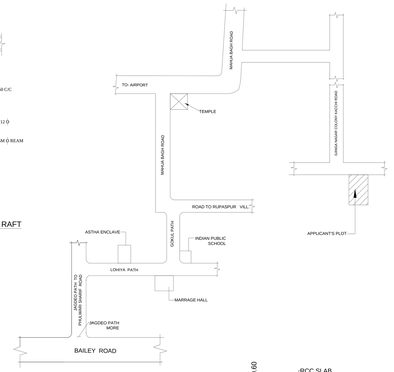
To Main Road

EXISTING ROAD

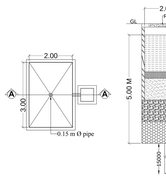
13.10



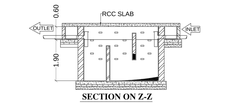
DET. OF PILE FOUNDATION WITH RAFT



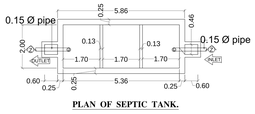
LOCATION PLAN



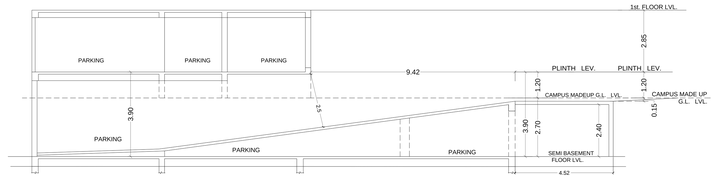
RECHARGE BORE WELL SECTION A-A



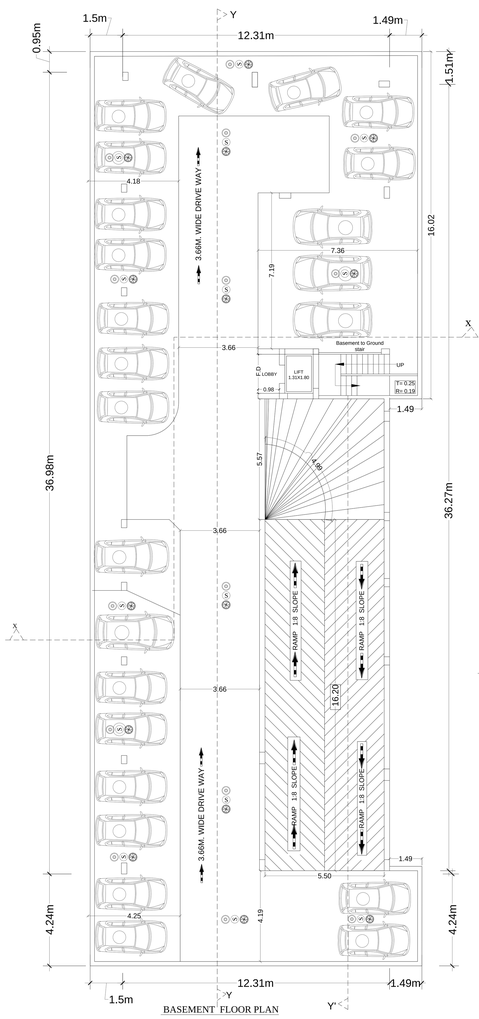
SECTION ON Z-Z



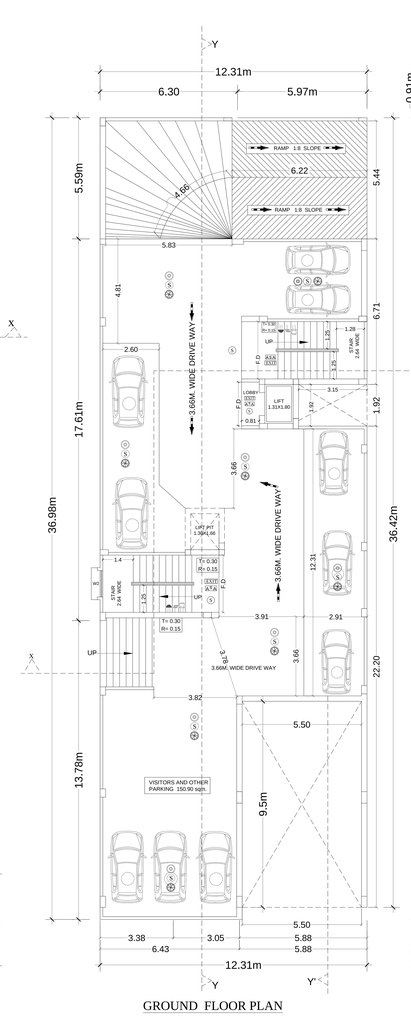
PLAN OF SEPTIC TANK.



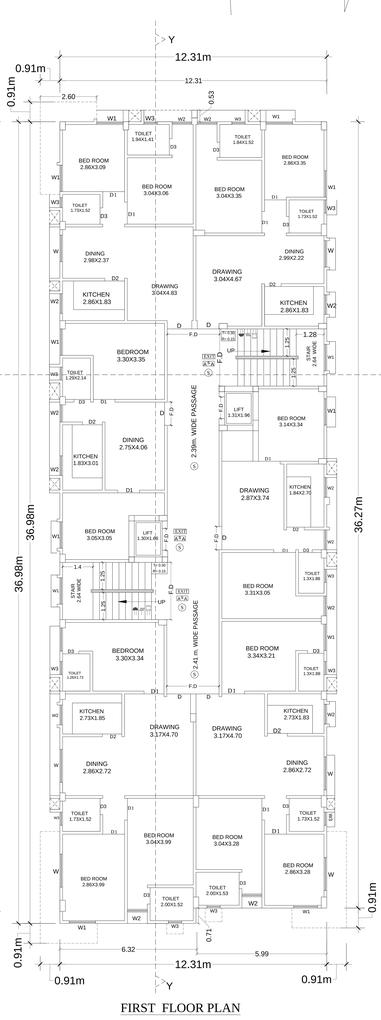
SECTION Y'-Y'



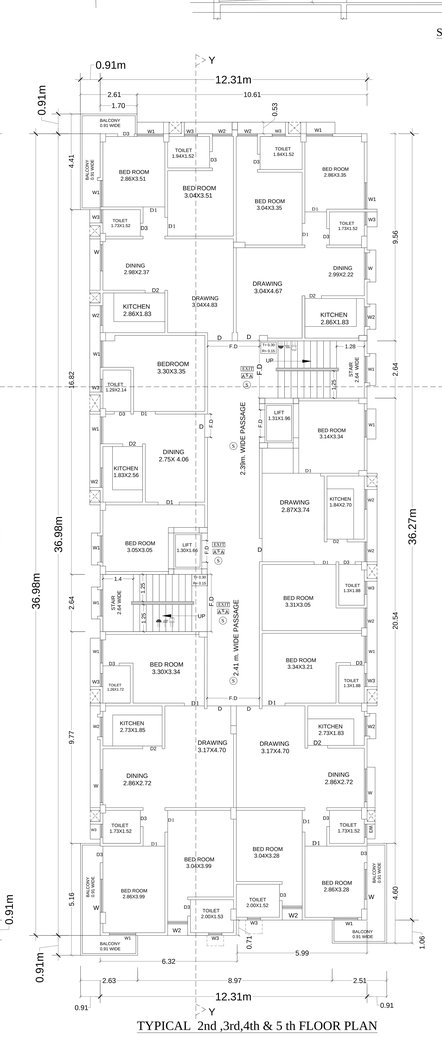
BASEMENT FLOOR PLAN



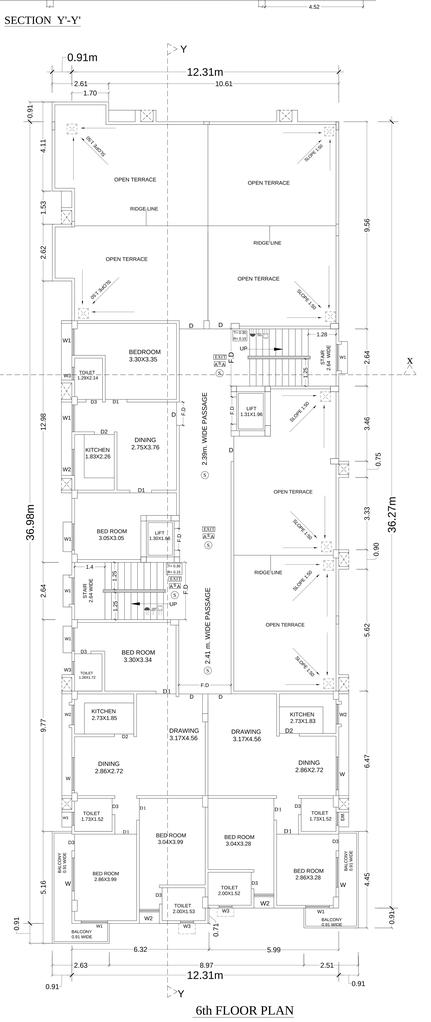
GROUND FLOOR PLAN



FIRST FLOOR PLAN



TYPICAL 2nd ,3rd,4th & 5 th FLOOR PLAN



6th FLOOR PLAN

SPECIFICATION

1. FOUNDATION:-
   R.C.C. UNDER REMMED FOUNDATION.
2. FLOORING:-
   0.025 M THK IPS FLOORING OVER 0.15M DRY RAMMED KHO OVER ONE LAYER BRICK FLAT SOLING , OVER 0.15 M THK LOCAL SAND FILLING.
3. SUPERSTRUCTURE:-
   FIRST CLASS BRICK WORK IN CEMENT MORTAR 1:6
4. R.C.C. WORK:-
   ALL RCC WORK IN 1:2:4 WITH PROPER REINFORCEMENT
5. TERRACING:-
   0.10 M AVERAGE LIME TERRACING OVER 0.10 M THIK RCC FLOOR SLAB
6. PLASTER:-
   0.012 M THK PLASTER ON BOTH SIDE WALL IN 1:6 CEMENT MORTAR@ 0.06 M THK CEILING PLASTER IN 1:4 CEMENT MORTAR
7. ALL DOOR & WINDOW SHALL BE PAINTED TWO COAT OVER A COAT OF PRIMER

NOTE:-
STRUCTURE SAFETY FOR EARTH QUAKE RESISTANCE
1. IS BUILDING CODE - 2005
2. IS 456 - 2000
3. IS 800 - 2006

FOR FOUNDATION SEFTY	FOR EARTH QUAKE SEFTY
IS -1892 - 1979 , IS - 2911	IS - 1893-I 2002
IS - 2131 - 1981, IS - 2911 - 1980	IS - 13920 - 1993
IS - 1904 - 1986, IS - 383 - 1970	IS - 4326 - 1993
IS - 6403 - 1981, IS - 16 - 1956	

AREA CALCULATION

TOTAL PLOT AREA AS/DEED	= 1052.47 M2
TOTAL PLOT AREA AS/SITE	= 1048.86 M2
BASEMENT FLOOR B/UP AREA	= 17.45 M2
GROUND FLOOR B/UP AREA	= 57.39 M2
1st FLOOR B/UP AREA	= 448.11 M2
2nd FLOOR B/UP AREA	= 453.95 M2
3rd FLOOR B/UP AREA	= 453.95 M2
4th FLOOR B/UP AREA	= 453.95 M2
5th FLOOR B/UP AREA	= 453.95 M2
6th FLOOR B/UP AREA	= 274.00 M2
TOTAL B/UP AREA FOR ALL FLOOR	= 2612.75 M2
COVERAGE AREA = 42.9 %	
F.A.R = 2.49	

PARKING CALCULATION

TOTAL BUILT- UP 2612.75 SQM , 30 % CAR PARKING
REQUIRED = 2612.75 X 30 /100 = 783.82 M2
REQUIRED FOR PARKING = 783.82SQM
PROVIDED AREA AT BASEMENT FLOOR
COVER PARKING 621.93 SQM & GROUND COVER PARKING 384.12 SQM = 621.93+384.12 = 1006.05 M2
TOTAL PROVIDED AREA = 1006.05 M2

VISITORS AND OTHER PARKING
15% OF REQUIRE PARKING 150.90 SQM.

RAIN WATER HARVESTING CALCULATION

TOTAL ROOF AREA 453.95 SQM ,
REQUIRED VOLUME FOR RAIN WATER HARVESTING @ 6 CUM FOR 100 SQM OF ROOF AREA
= 459.58 X 6 /100 = 27.23 CUM
RAIN WATER HARVESTING IS REQUIRED
VOLUME = 27.23 CUM
PROVIDED VOLUME FOR WATER HARVESTING
= 2.00X3.00X5.00 = 30.00 CUM

GREEN SPACE CALCULATION :-

TOTAL NET PLOT AREA = 1048.86 sqm.
GREEN AREA REQUIRED @10% OF
TOTAL PLOT AREA = 104.88 sqm.

PROVIDED GREEN SPACE AREA =106.01 sqm.

PROPOSED RESIDENTIAL BUILDING
OF SRI SHAILENDRA KUMAR SINHA
S/O- SRI BIRENDRA KUMAR SINHA,
AT- KRISHNANGAN , RAJA BAZAR , PATNA

PLOT AT MOUZA- DHANAUT,
THANA-DANAPUR , SURVEY PLOT NO - 1110
KHATA NO - 570, TOUZI NO.- 5589
THAN N0- 20 ,DIST.- PATNA .

DEVELOPERS:-
DIRECTOR.- SRI SUJEET KUMAR SINGH
S/O- SRI RAM DEV SINGH
M/S SIYARAM ENGICONS LLP.
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P.O.+P.S.- PATLIPUTRA, PATNA.

SCALE - 1:100 | NORTH: N | SHEET NO -01

For SIYARAM ENGICONS LLP
Designated Partner
BR/UDHD/BLDR/23-0485

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Govt. of Bihar
Empanelment No-BR/UDHD/SE/0138

SIGN. OF DEVLOPERS | SIGN. OF STRUC. ENG.

ARCHITECT
ARUN KUMAR SINGH
(B. Arch. Roll No. 7747)
Council of Architecture
Regd. No. CA/1991/10623
Urban Development & Housing Dept.
Govt. of Bihar
Empanelment No.-BR/CA/1991/10623-25

SIGNATURE OF OWNER. | SIGNATURE OF ARCHITECT



FRONT ELEVATION



LEFT SIDE ELEVATION

SEPTIC TANK CALCULATION

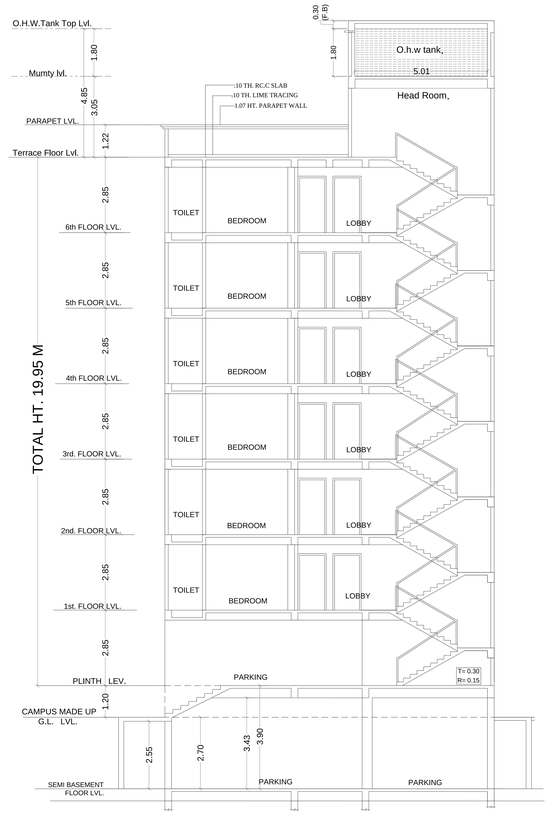
TOTAL NO OF FLOOR B+G+6 STORY, BASEMENT & GROUNDFLOOR HAVE PARKING ,
TYPICAL FLOOR HAVE 6 FLATS . 5X6 = 30 FLATS.
6th FLOOR HAVE 3 FLATS = 30+3 = 33 FLATS
TOTAL FLATS = 33 FLATS IN ALL FLOORS
PERSON ASSUMED 6 PERSON PER FLAT,
NUMBER OF PERSON = 6X33 = 198 PERSON

VOLUME REQUIRED @ 0.085 M3 PER HEAD PER DAY .TOTAL REQUIRED VOLUME =.085 X 198 =16.83 M3 = (16830 LTR.) PROVIDED OF SEPTIC TANK =SIZE 5.10 X2.00 X1.90 =19.38 M3,

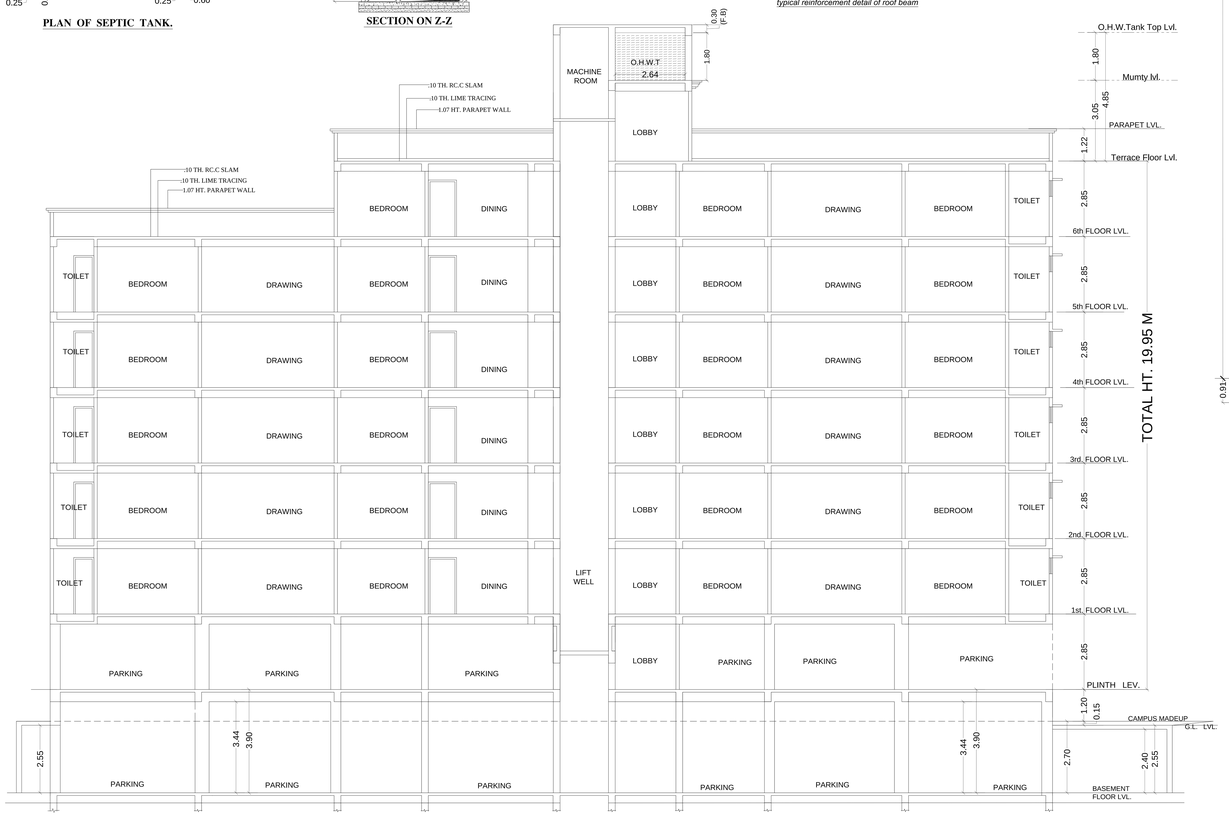
PLAN OF SEPTIC TANK.

SECTION ON Z-Z

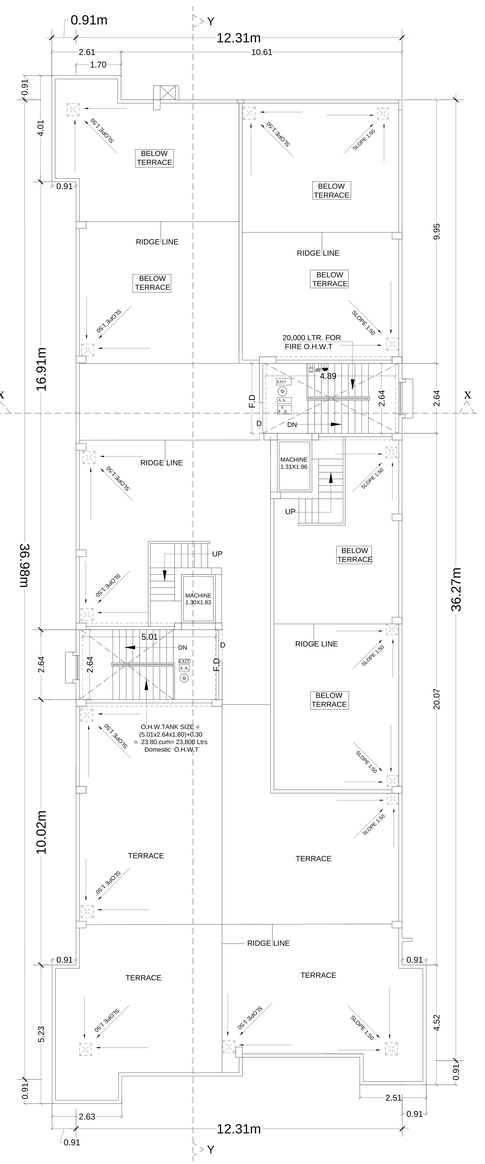
typical reinforcement detail of roof beam



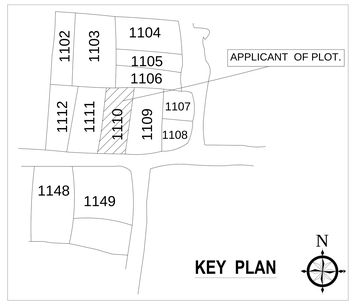
SECTION X-X



SECTION Y-Y



TERRACE FLOOR PLAN



FIRE LEGEND

1. HYDRAND OUT LET VALVE WET.
2. HOSE REEL.
3. UNDER GROUND STATIC TANK WITH 50,000 LTR CAPACITY.
4. OVER HEAD WATER TANK WITH CAPACITY.
5. SEAMESE CONNECTION.
6. ELECTRICALLY INSULATED METAL STRIP OF 2.5 X 3.5 MM.
7. EXTINGUISHER.
8. AUTOMATIC INDICATER.
9. AREA COVERED BY SHOKE DETECTER.
10. FIRE ALARM CALL POINT.
11. AUDIBLE WARNING DEVICE.
12. LOUD SPEAKER OUT LET.
13. MICROPHONE POSITION.
14. FIRE RESISTANCE DOOR.
15. EMERGENCY LIGHT POINT.

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	S .L. LVL	LINTEL LVL	REMARKS
D	1.07	2.13	0 0	2.13	PANNELD
D1	1.00	2.13	0 0	2.13	PANNELD
D2	.91	2.13	0 0	2.13	PANNELD
D3	.76	2.13	0 0	2.13	PANNELD
W	1.52	1.68	.76	2.44	GLAZING
W1	1.22	1.68	.76	2.44	GLAZING
W2	.91	1.88	.76	2.44	GLAZING
W3	.61	1.07	1.37	2.44	GLAZING

AREA CALCULATION

TOTAL PLOT AREA AS/DEED	= 1052.47 M2
TOTAL PLOT AREA AS/SITE	= 1048.86 M2
BASEMENT FLOOR B/UP AREA	= 17.45 M2
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TOTAL B/UP AREA FOR ALL FLOOR	= 2612.75 M2
COVERAGE AREA = 42.9 %	
F.A.R = 2.49	

WATER TANK CALCULATION

TOTAL NO OF FLOOR SEMI+G+6 STORY, BASEMENT & GROUNDFLOOR HAVE PARKING ,
TYPICAL FLOOR HAVE 6 FLATS . 5X6 = 30 FLATS.
6th FLOOR HAVE 3 FLATS
TOTAL FLATS = 30+3 = 33 FLATS IN ALL FLOORS
PERSON ASSUMED 5 PERSON PER FLAT,
NUMBER OF PERSON = 5X33 = 165 PERSON
PER PERSON WATER CONSUMPTION @ 135 LTR. / PERSON / DAY = 135X165 = 22275 = 22.27 M³ , PROVIDED OF WATER TANK = SIZE 5.01X2.64X1.80 = 23.80 M³

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S/O- SRI BIRENDRA KUMAR SINHA,
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SCALE - 1:100 | NORTH:- N | SHEET NO -02

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	ARCHITECT ARUN KUMAR SINGH B. Arch. (Hons.) Regn. No.-CA/2003/3523 Council of Architecture, New Delhi Regd. Architect & Planning Consultant Govt. of Bihar Urban Development & Housing Dept. Empanelment No-BR/UDHD/ARCH/0013/2022
SIGNATURE OF OWNER.	SIGNATURE OF ARCHITECT