SECTION ON Z-Z

SECTION FOR UNDER GROUND TIRE FIGHTING WATER TANK

UNDER GROUND SUMP & FIRE FIGHTING WATER TANK 50,000 Ltrs.

OVERFLOW PIPE CONNECTED TO RECHARGE WELL

0.15 M R.C.C PIPE

BAILEY ROAD

PIRING COLLEGE ROAD

SAGUNA MORE

PROPOSED SITE

DANAPUR RLY STATION

DANAPUR STATION ROAD

LOCATION PLAN
NOT TO SCALE

FIRE LEGEND :-

01.HYDRANT OUT LET VALVE WET
02.HOSE REEL
03.SEMAC CONNECTED FOR FIRE BRIGADE CONNECTED TO WET RISER
04.ELECTRICALLY INSULATED METAL STRIP
05.UNDER GROUND TANK OF 50,000 Ltrs. — 50,000 Ltrs.
06.O.H.W.TANK FOR FIRE FIGHTING — 20,000 Ltrs.
07.FIRE ALARM CALL POINT
08.AUDIABLE ALARM CALL POINT
09.LOUDSPEAKER OUTLET
10.LOUDSPEAKER
11.CO2 FIRE EXTINGUISHER
12.FIRE RESISTANT DOOR
13.AUTOMATIC SMOKE DETECTOR
14.AUTOMATIC SPRINKLER
15.EMERGENCY LIGHT POINT

SPECIFICATIONS:-

01) FOUNDATION :- R.C.C. PILE FOUNDATION AS/STRUCTURAL DESIGN.
02) SUPER STRUCTURE :- R.C.C. FRAMED STRUCTURE AS/STRUCTURAL DESIGN
03) BRICKWORK :- 250 TH. & 125 TH 1st CLASS BRICKWORK IN C.M. 1:6 & 1:5 AS/DESIGN
04) FLOORING :- MOSAIC CAST-IN-SITU FLOORING IN GREY CEMENT FOR ALL AREA.
05) WALL FINISH :-
(i) INTERNAL - ALL INTERNAL SURFACE SHALL BE PAINTED WITH CEMENT PRIMER OVER FLOAT FINISH OF P.O.P. SURFACE.
(ii) EXTERNAL - ALL EXTERNAL SURFACE SHALL BE PAINTED WITH TEXTURE PAINT OVER A SURFACE OF EXTERIOR GRADE PRIMER.
06) DOOR :-
(i) FRAME - 65X100 TH. SAL WOOD DOOR FRAME.
(ii) SHUTTER-35MM TH. SOLID CORE FLUSH DOOR OF I.S.I. MARK AS/DESIGN
07) WINDOW:-
(i) FRAME - 65X100 TH. SAL WOOD/ALUMINIUM WINDOW FRAME.
(ii) SHUTTER:- FULLY GLAZED HARD WOOD/ ALUMINIUM WINDOW SHUTTER AS/DESIGN.
08) TOILETS :-
(i) FLOORING - CERAMIC TILES FLOORING .
(ii) WALLS - CERAMIC TILES DADO UPTO 1500HT.
(iii) SANITARYWARE - WHITE GLAZED VITEROUS SANITARYWARE OF I.S.I MARK.
(iv) FITTING - CHROMIUM PLATED C.P.FITTINGS OF I.S.I MARK.
09) ELECTRICAL :-
(i) ALL INTERNAL WIRING IN CONCEALED CONDUITS WITH COPPER CONDUCTOR.
(ii) ALL ELECTRICAL MODULAR SWITCHES OF I.S.I MARK.
(iii) ADEQUATE LIGHTIN POWER POINT SOCKETS AS/ DESIGN & DRAWING
10) WATER SUPPLY :- BOUND THE CLOCK WATER SUPPLY BY MEANS OF OWN BORING & OVERHEAD TANK.

GREEN SPACE CALCULATION :-

TOTAL NET PLOT AREA = 1619.32 sqm.
GREEN AREA REQUIRED @10% OF TOTAL PLOT AREA = 161.93 sqm.

PROVIDED GREEN SPACE AREA = 166.32sqm.

WATER HARVESTING SUMP CALCULATION :-

TERRACE FLOOR AREA = 807.94 sqm.
RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR EVERY 100 SQM. TERRACE AREA, SO TOTAL REQ. CAPACITY OF SUMP = 8.07 x 6 = 48.47 CUM.
PROVIDED TANK SIZE =5.00x2.70x3.00 = 40.50 cum
& TRENCH VOLUME =(@.60m Dep & 0.45 m wide) = 8.00 cum.

TOTAL VOLUME OF SUMP= 40.50+8.00 = 48.50 CUM.
HARVESTING TANK CAPACITY 40.50 CUM PROVIDED IN FIRE FIGHTING TANK.

PARKING CALCULATION :-

TOTAL B/U AREA = 5656.60 SQM

PARKING AREA REQ. @ 30% OF TOTAL B/U AREA= =5656.60 x 30% = 1696.98sqm.
SO,TOTAL REQUIRED PARKING AREA = 1696.98 sqm. (REQ.)

Provided
Lower Basement Floor Parking Area = 909.24 Sqm
Upper basement floor parking area = 789.54 SQM
Total parking area =1708.78 SQM
(PROVIDED)

POPULATION DENSITY CALCULATION :-

COMMERCIAL :-
TOTAL COMMERCIAL B/U AREA = 2094.31 sqm.
TOTAL CARPET AREA = 1047.15 sqm.
TAKING DENSITY OF 6 sqm. CARPET AREA PER PERSON = 1047.15/6 = 174.52 SAY 175 PERSON.

TOTAL NO. OF FLAT = 3 0 nos.
EACH FLAT HAVING 5 PERSON
SO TOTAL NO OF PERSON = 3 0 x 5 = 150 nos.

GRAND TOTAL NO. OF PERSONS = 175 + 150 = 325 nos.

WATER TANK CALCULATION :-

FOR COMMERCIAL :-
TOTAL NO. OF PERSON = 1 75 nos.
EACH PERSON NEED 45 Ltrs per Day= 1 75 x 45 = 7875.00 Ltrs.

FOR RESIDENTIAL : -
TOTAL NO. OF PERSON = 1 50 nos.
PER PERSON NEED 135 Ltrs PER DAY
TOTAL PERSON NEED = 150 x135 = 20250 Ltrs.

& WATER TANK REQ. FOR FIRE FIGHTING = 20,000.00 Ltrs.
TOTAL REQ. WATER TANK CAPACITY = 7875+ 20250 + 20000 = 48,125.00 Ltrs

PROVIDED WATER TANK 2NOS. OF CAPACITY
(01) = 4.83 x 5.53 x 1.52 = 25,900.00 Ltrs.
(02) = 2.92 x 5.44 x 1.52 = 24,100.00 Ltrs.
Total water tank capacity provided = 50,000.00 ltrs.

SEPTIC TANK CALCULATION :-

TOTAL NO. OF PERSON = 32 5 nos.
PER PERSON NEED 0.085 CUM. CAPACITY OF SEPTIC TANK PER DAY SO TOTAL REQ. CAPACITY OF SEPTIC TANK = 32 5 x 0.085 = 27.62 cum.

PROVIDED SEPTIC TANK 1 NOS. OF SIZE = 6.00 x 3.00 x 1.60 = 28.80 CUM.

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	SILL	LINTEL	DESCRIPTION
R/S	2.44	2.54	0.0	2.54	Rolling shutter
D'	1.22	2.13	0.0	2.13	Double Leaf Door
D	1.07	2.13	0.0	2.13	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	1.35	2.13	0.0	2.13	Double Leaf Door
W	1.37	1.63	0.91	2.54	Glazed window
W1	1.22	1.63	0.91	2.54	Glazed window
W2	1.02	1.63	0.91	2.54	Glazed window
W3	0.91	1.47	1.07	2.54	Glazed window
D'W	0.76x0.65	0.0x1.63	0.0x0.91	2.54	Door & window
D'W1	0.69x0.41	0'0x1.63	0.0x0.91	2.54	Door & window
V	0.61	0.61	1.52	2.13	Ventilator
S.D	1.88	2.13	2.13	2.13	Sliding Door.
G.L	1.83	1.78	0.76	2.54	Glazed window
V1	1.83	0.60	----	----	Ventilator

AREA CALCULATION :-

TOTAL PLOT AREA = 1619.32 sqm.

B/u Area	Commercial Area	Residential Area
Lower Basement Floor Area		22.02 sqm.
Upper Basement Floor Area		18.87 sqm.
Ground Floor Area	677.17 sqm.	24.37 sqm.
First Floor Area	708.57 sqm.	24.37 sqm.
Second Floor Area	708.57 sqm.	24.37 sqm.
Third Floor Area	-------	721.57 sqm.
Fourth Floor Area	-------	721.57 sqm.
Fifth Floor Area	-------	721.57 sqm.
Sixth Floor Area	-------	721.57sqm.
Seventh Floor Area	-------	574.01 sqm.
Total Area	2094.31 sqm.	3572.29 sqm.

Total Residential & Commercial Area = 2094.31 + 3572.29 = 5666.60 sqm.
F.A.R = 5666.60/1619.32 = 3.49

PLOT DETAIL :-

PROPOSED RESIDENTIAL CUM COMMERCIAL BUILDING OF VANASTHALI HOME LLP. DESIGNATED PARTNER - SRI.SUMESH SINHA, S/O LATE RAJESHWAR PD. SINHA, ON PLOT NO - 706, THANA NO. - 36, TAUZI NO - 5276., KHATA NO.- 262, THANA - DANAPUR, MAUZA - MUSTAFFAPUR, DIST. - PATNA.

SHEET NO.	SCALE:	NORTH.
01/03	1 : 100 1 : 200	

Brajesh Kumar Sinha
Structural Engineer
Licence No. -1/STR-E/15/NDPN
NAGAR PARISHAD DANAPUR NIZAMAT
DANAPUR.
SIGN. OF EMPANELLED STRUCT. ENGINEER

SIGNATURE OF BUILDER / DEVELOPER

AKASHANKAR KUMAR
Regd. No. - BRP/ARCH/CA/2017/54203
Validity - 22/01/2020/NPDN
NAGAR PARISHAD DANAPUR
SIGN. OF EMPANELED ARCHITECT.

A. E.
Nagar Parishad Danapur Nizamat

Building Plan No. 124/19-20
Dated 06/09/19

J. E.
Nagar Parishad Danapur Nizamat

VANASTHALI HOME LLP
Designated Partner

GROUND FLOOR PLAN
SCALE 1:100

UPPER BASEMENT FLOOR PLAN
SCALE 1:100

LOWER BASEMENT FLOOR PLAN
SCALE 1:100

TYP.PLAN OF RECHARGE BORE WELL

RECHARGE BORE WELL SECTION A-A

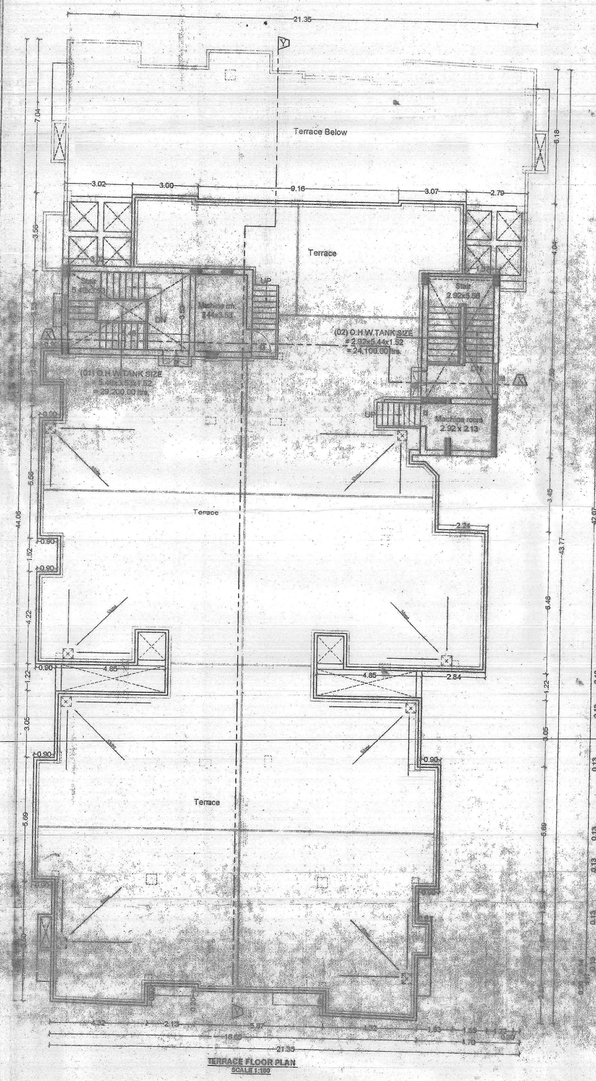
TYP. DET. OF PILE FOUNDATION

TYP. DETAIL OF FOUNDATION

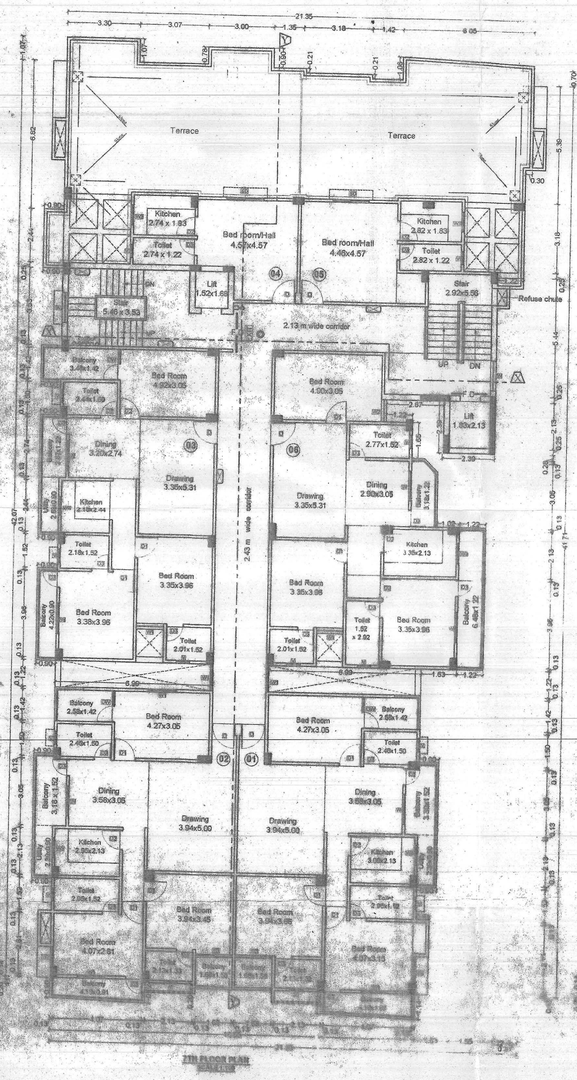
SITE PLAN
SCALE 1:200

Setback Detail :-

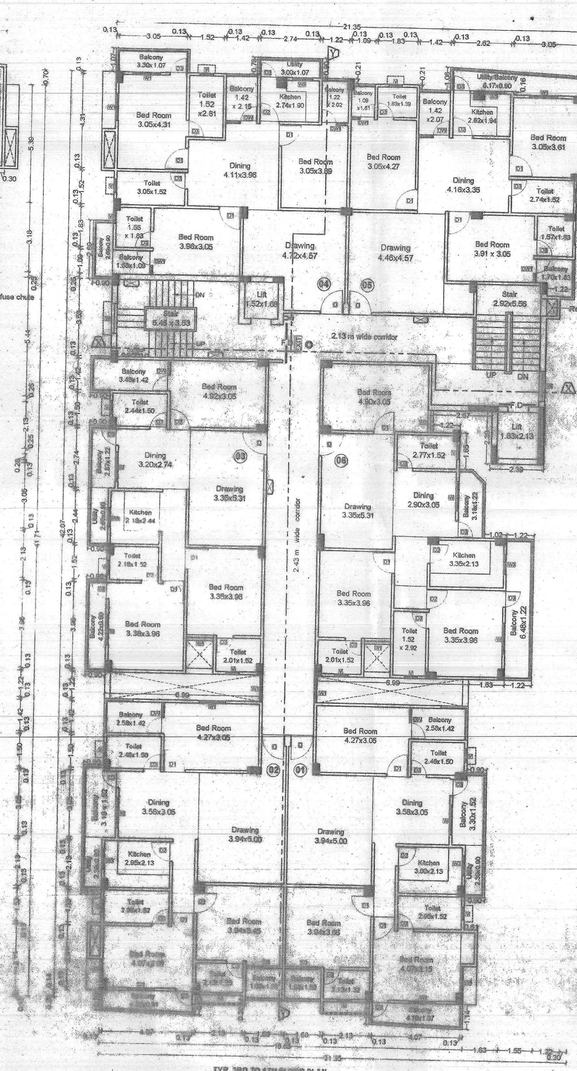
BUILDING 1'T. UP TO 24 M.
FRONT SETBACK =8.00 M
REAR SETBACK = 3.00 M.
SIDE SETBACK = 5.00 M.



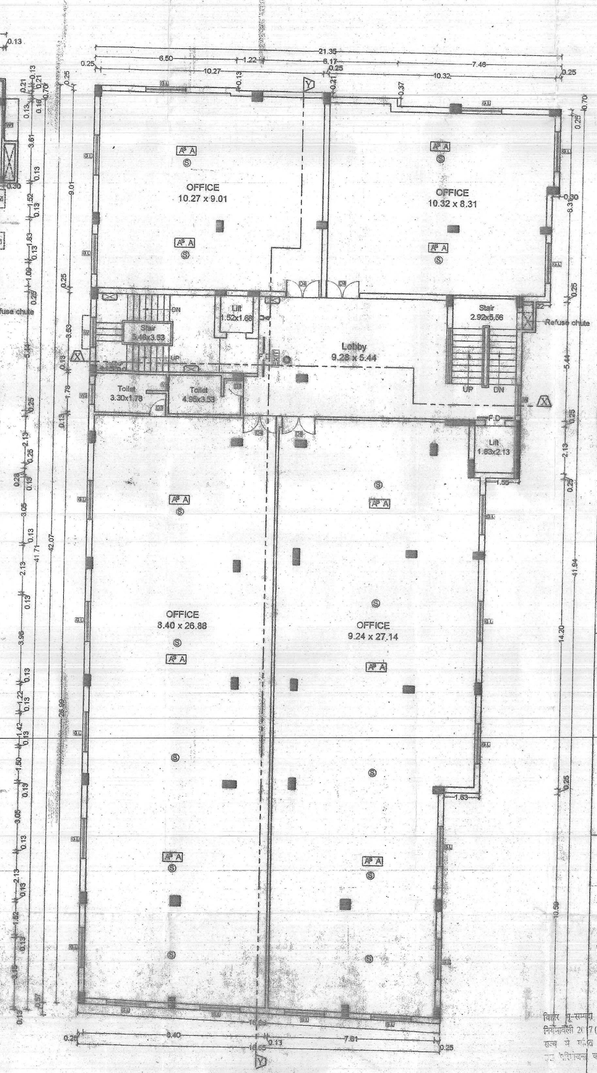
TERRACE FLOOR PLAN
SCALE 1:100



2ND FLOOR PLAN
SCALE 1:100



TYP. 3RD TO 6TH FLOOR PLAN
SCALE 1:100



TYP. 1ST & 2ND FLOOR PLAN
SCALE 1:100

PLOT DETAIL :-

PROPOSED RESIDENTIAL CUM COMMERCIAL BUILDING OF VANASTHALI HOME LLP, DESIGNATED PARTNER - SRI.SUMESH SINHA, S/O LATE RAJESHWAR P.D. SINHA , ON PLOT NO - 706 , THANA NO. - 36, TAUZI NO - 5276 , KHATA NO.- 262, THANA - DANAPUR , MAUZA - MUSTAFFAPUR, DIST. - PATNA.

SHEET NO.	SCALE	NORTH
02/03	1 : 100	

Brajesh Kumar Sinha
Structural Engineer
Licence No.11/STR-E/15/NPDN
NAGAR PARISHAD DANAPUR NIZAMAT
DANAPUR, PATNA LEVEL
STRUCT. ENGINEER

SIGNATURE OF BUILDER / DEVELOPER

SIGNATURE OF ARCHITECT
AR. UMASHANKAR KUMAR
Regd. No. CA/2011/44023
EMP. No. 2016/CA/201/NPDN
NAGAR PARISHAD DANAPUR

6.09.19
A. E.
Nagar Parishad Danapur Nizamat

Building Plan No. 124/19-20

निम्नांकित शर्तों के साथ प्रस्तावित भवन/[illegible] की अनुज्ञा के आधार पर भवन मानचित्र की स्वीकृति दी जाती है।

१. [illegible] या किसी दूसरे के प्रयोजन को [illegible] होगा तथा उसे [illegible] के लिए [illegible] होगा।

२. [illegible] 2014 के अनुसार अग्नि रोधित [illegible] होगा। भवन भू-कम्परोधी [illegible] होगा। [illegible] भवन से सरकारी नाला [illegible] स्वयं से नाली निर्माण [illegible]

बरसाती पानी नाली के लिए भूतल पर [illegible] होगा। भवन भू-खण्ड विभाजित [illegible] भवन मानचित्र स्वत: [illegible] खड़े किये गये बनावट अधि [illegible] मानचित्र की स्वीकृति [illegible] होगी। भवन में आवासित होने के पूर्व Completion Certificate/Occupancy Certificate [illegible] कार्यालय होगा।

6.09.19
J. E.
Nagar Parishad Danapur Nizamat

नगर [illegible]
नगर [illegible]

VANASTHALI HOME LLP
Designated Partner