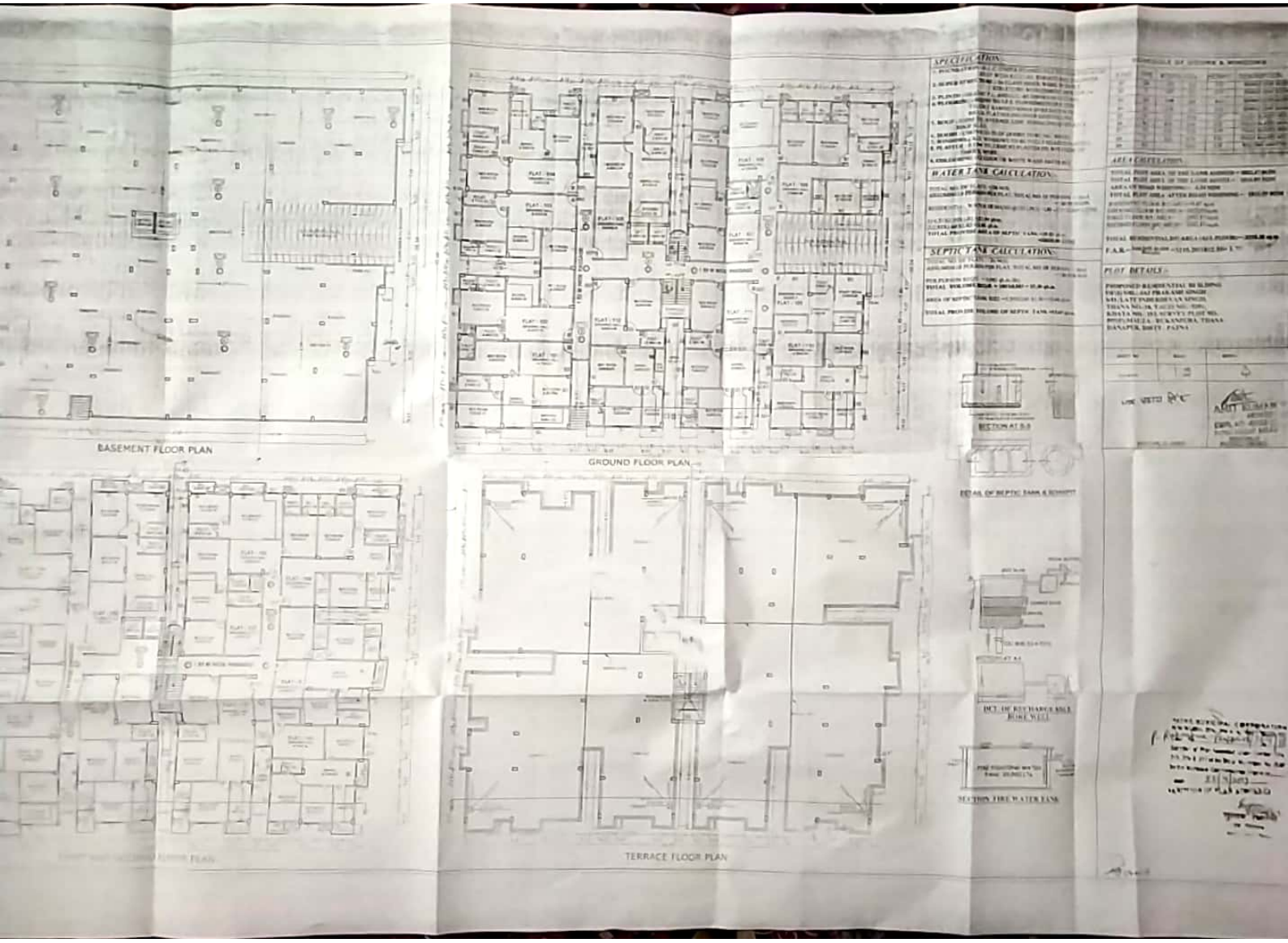


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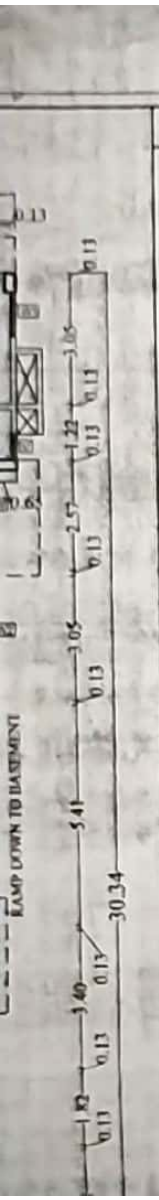
AMIT KUMAR
ARCHITECT
EMPL NO -AR/08/15
PATNA NAGAR NIGAM

PATNA MUNICIPAL CORPORATION

Sanction of Plan amended under Section 314, 315, 316 & 317 of the Bihar Municipal Act 2007 by the Municipal Commissioner, Patna on 22/4/2017

SANCTION OF PLAN ACCORDED

Gulshan
Gulshan Rajoriya
Jr. Engineer



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

WATER TANK CALCULATION:-

TOTAL NO. OF FLATS = 36 NOS.
ASSUMING 5 PERSON PER FLAT, TOTAL NO. OF PERSON = 36x5 = 180 PERSON
RESIDENTIAL WATER DEMAND @135 LPCD =180 x135=24300 LITRE

1) 4.31X2.59X1.42 = 22.94 qb.m.
2)2.92X1.68X1.42 = 5.88 qb.m.
TOTAL PROVIDE AREA OF SEPTIC TANK =28.82 qb.m.
=28820.00 LITRE

SEPTIC TANK CALCULATION:-

TOTAL NO. OF FLATS = 36 NOS.
ASSUMING 5 PERSON PER FLAT, TOTAL NO. OF PERSON = 36x5 = 180 PERSON

PER PERSON REQD. = 0.085 qb.m./day
TOTAL VOLUME REQD. = 180X0.085 = 15.30 qb.m.

AREA OF SEPTIC TANK SIZE =5.20X2.00 X1.50 =15.60 qb.m.

TOTAL PROVIDE VOLUME OF SEPTIC TANK =15.60 qb.m.

SCHEDULE OF DOORS & WINDOWS

S.NO	TYPE	WIDTH	CILL	HEIGHT	DESCRIPTION
01	D0	1.53	0.0	2.13	SINGLE LEAF DOOR
02	D	1.07	0.0	2.13	SINGLE LEAF DOOR
03	D1	0.99	0.0	2.13	SINGLE LEAF DOOR
04	D2	0.76	0.0	2.13	SINGLE LEAF DOOR
05	W	1.22	0.76	1.37	FULLY GLAZED WIN.
06	W1	0.91	0.91	1.22	FULLY GLAZED WIN.
07	V1	1.22	0.76	0.45	FULLY GLAZED WIN.
08	V	0.61	0.76	0.61	FULLY GLAZED WIN.
09	RS	-	0.00	2.13	ROLLING SHUTTER

AREA CALCULATION :-

TOTAL PLOT AREA OF THE LAND AS/DEED = 1882.47 SQM
TOTAL PLOT AREA OF THE LAND AS/SITE = 1816.89 SQM
AREA OF ROAD WIDENING = 4.34 SQM
TOTAL PLOT AREA AFTER ROAD WIDENING = 1812.55 SQM

BASEMENT FLOOR B/U AREA=7.45 sq.m.
GROUND FLOOR B/U AREA= 1017.01sq.m.
FIRST FLOOR B/U AREA= 1092.87 sq.m.
SECOND FLOOR B/U AREA= 1092.87 sq.m.

TOTAL RESIDENTIAL B/U AREA (ALL FLOOR) = 3210.20 sq.m.

F.A.R.= $\frac{\text{total built up area}}{\text{Plot area}}$ =3210.20/1812.55= 1.77

PLOT DETAILS :-

PROPOSED RESIDENTIAL BUILDING OF(1) SRI.- JAI PRAKASH SINGH , S/O.-LATE INDERDEVAN SINGH, THANA NO.-18, TAUZI NO.- 5281, KHATA NO.- 153, SURVEY PLOT NO.- 597(P),MAUZA - RUKANPURA, THANA- DANAPUR, DISTT.- PATNA

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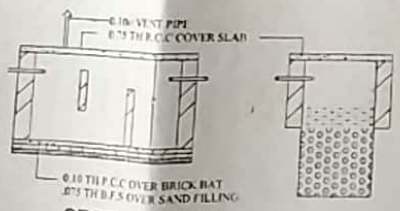


GREEN AREA CALCULATION :-

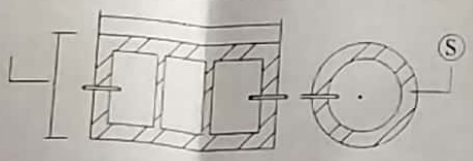
Total Net Plot Area =1812.48 sq.m.
Green Space Area %Required = 1812.48 sq.m. x10% =181.24 sq.m.
Total Provide Green Space = 187.33 sq.m.

FIRE LEGEND:-

01.HYDRANT OUT LET VALVE WET
02.HOSE REEL
03.SEMAC CONNECTED FOR FIRE BRIGADECONNECTED TO WET RISER
04.ELECTRICALLY INSULATED METAL STRIP
05.UNDER GROUND TANK OF 50,000 LTRS — 20,000 LTRS
06.O.H.W.TANK FOR FIRE FIGHTING — 10,000 LTRS
07.INDICATOR PANEL
08.FIRE ALARM CALL POINT
09.AUDIABLE ALARM CALL POINT
10.LOUDSPEAKER OUTLET
11.CO2 FIRE EXTINGUISHER — CO2/DCP
12.FIRE RESISTANT DOOR — F.D.
13.AUTOMATIC SMOKE DETECTOR
14.AUTOMATIC SPRINKLER INSTALATION — S



SECTION AT S-S



DETAIL OF SEPTIC TANK & SOAKPIT

PARKING CALCULATION:-

PROPOSED RESIDENTIAL PARKING
CAR PARKING FOR = 25% OF TOTAL BUILT UP AREA
CROSS AREA =3249.41 X 25% =812.35 sq.m.
BASEMENT FLOOR PROVIDE PARKING AREA = 1098.46 sq.m
TOTAL PROVIDE PARKING CAPACITY = 1098.46 sq.m.

WATER HARVESTING SUMP CALCULATION :-

TERRACE FLOOR AREA = 1207.67 sqm.
RAIN WATER HARVESTING SUMP REQ. 6 CUM FOR EVERY 100 SQM. TERRACE AREA,
SO TOTAL
REQ. CAPACITY OF SUMP = 12.07x 6 = 72.42 CUM.
PROVIDED TANK SIZE =6.00x4x3.05 = 73.20 cum
TOTAL VOLUME OF SUMP = 73.20 cum

PLOT DETAILS :-

PROPOSED RESIDENTIAL BUILDING OF(1) SRI.- JAI PRAKASH SINGH , S/O.-LATE INDERDEVAN SINGH, THANA NO.-18, TAUZI NO.- 5281, KHATA NO.- 153, SURVEY PLOT NO.- 597(P),MAUZA - RUKANPURA, THANA- DANAPUR, DISTT.- PATNA

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

जय प्रकाश सिंह

SIGNATURE OF OWNER

AMIT KUMAR
ARCHITECT
EMPL NO -A/R/08/15
PATNA NAGAR NIGAM
SIGNATURE OF ARCHITECT / ENGINEER

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