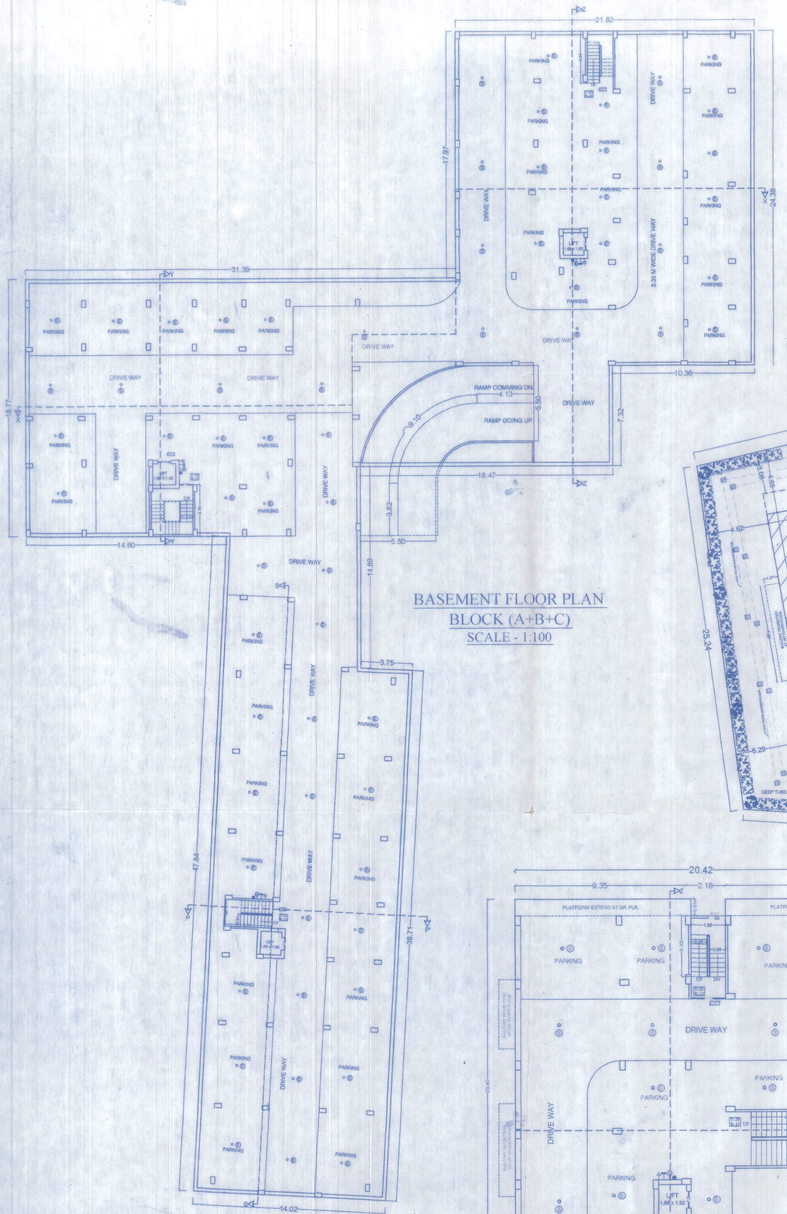
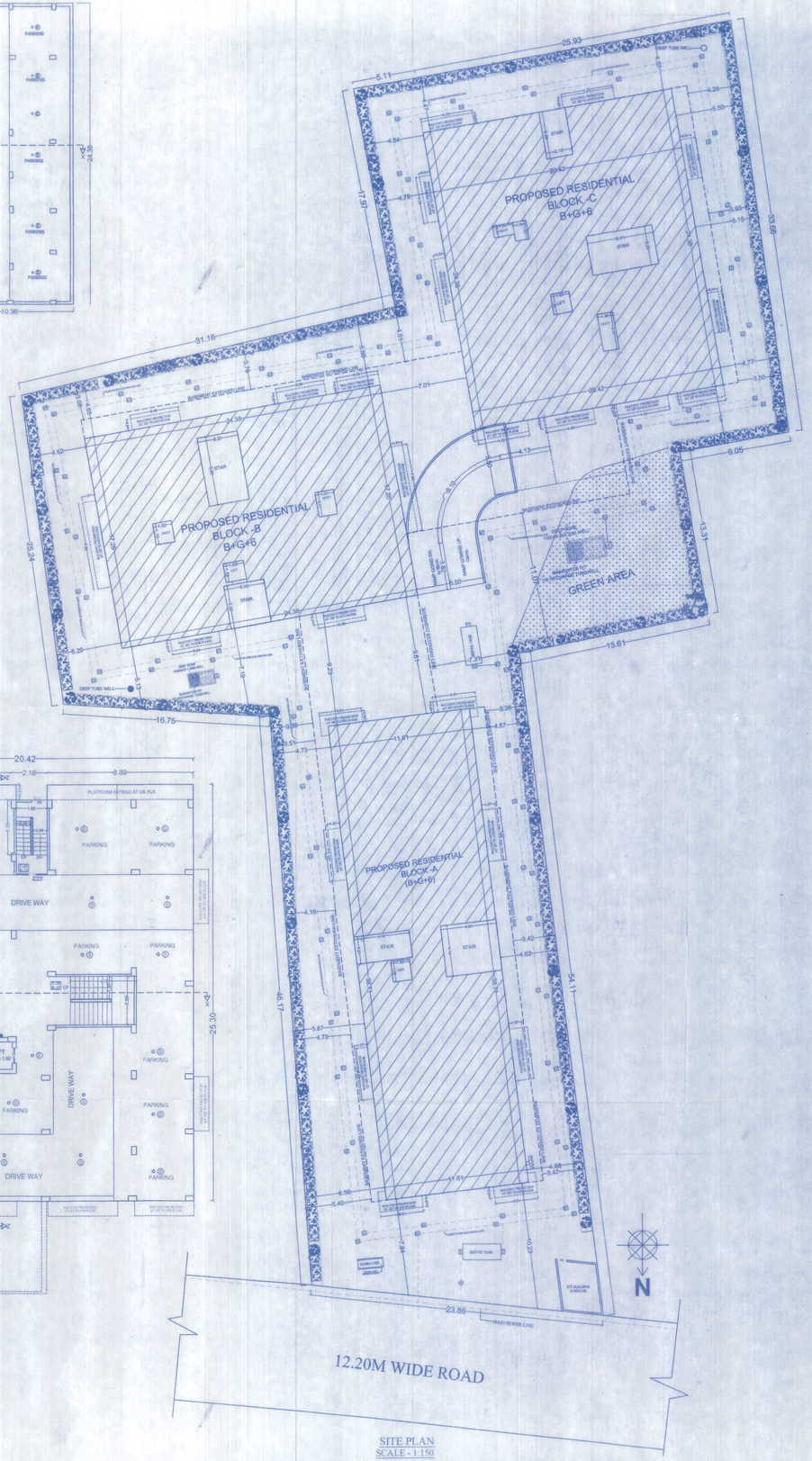
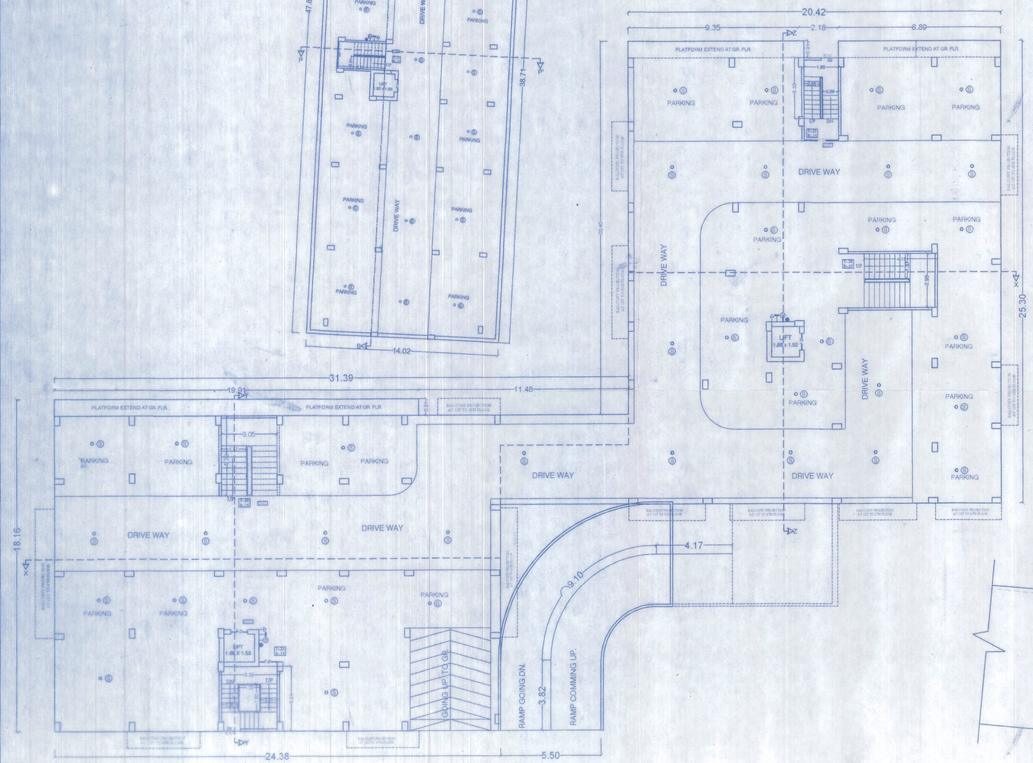


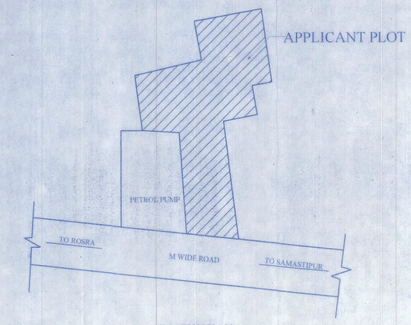
BASEMENT FLOOR PLAN
BLOCK (A+B+C)
SCALE - 1:100





GROUND FLOOR PLAN BLOCK -(B+C)
SCALE - 1:100

KEY PLAN
SCALE -



LOCATION PLAN
SCALE - NTS

-: FIRE LEGEND :-

1.	UNDER GROUND WATER TANK OF 25,000 LTRS. CAP.	50,000 LTRS.
2.	FIRE RESISTANCE DOOR	FD
3.	FIRE HYDRANT SYSTEM	W
4.	HOSE REEL	
5.	MANUAL CALL ALARM POINT	
6.	FIRE EXTINGUISHER CO2 TYPE	
7.	ILLUMINATED EXIT DIRECTIONAL SIGN	EXIT
8.	SEAMESE CONNECTION	
9.	EMERGENCY LIGHTING SYSTEM	
10.	FIRE SPRINKLER	S
11.	SMOKE DETECTOR	A S A

PARKING CALCULATION

FOR COMMERCIAL
TOTAL B/U AREA = 417.09 Sqmt.
PARKING AREA REQUIRED (AS/TABLE NO-19, S.No-1)@ 30 % = 125.12 Sqmt.
FOR RESIDENTIAL
TOTAL B/U AREA = 7852.20 Sqmt.
PARKING AREA REQUIRED (AS/TABLE NO-19, S.No-3)@ 25 % = 1963.05EQUIRED
= 125.12 +1963.05 = 2088.17
CAR PARKING AREA PROVIDED AT BASEMENT FLOOR BLOCK (A+B+C)
= (1806.80) - (Basement floor B/U Area)
1806.80 - 21.10 = 1785.7 Sqmt.
CAR PARKING AREA PROVIDED AT COVERED GROUND FLOOR BLOCK (B+C)
= (988.07) - (Ground Flr. B/U Area B+C)
= 2812.69 -(17.62 +14.46)= 955.99 Sqmt.
TOTAL PARKING AREA PROVIDED
= 1785.7+ 955.99 = 2741.69 Sqmt.

AREA CALCULATION

TOTAL PLOT AREA AS/ DEED ——
TOTAL PLOT AREA AS/ POSSESSION —— 3312.25 Sqmt.

PROPOSED BUILDING BLOCK -(A+B+C)

BLOCK-A

BASEMENT FLOOR B/U AREA	7.60 Sqmt.
GROUND FLOOR B/U AREA	417.09 Sqmt.
FIRST FLOOR B/U AREA	432.78 Sqmt.
SECOND FLOOR B/U AREA	432.78 Sqmt.
THIRD FLOOR B/U AREA	432.78 Sqmt.
FOURTH FLOOR B/U AREA	432.78 Sqmt.
FIFTH FLOOR B/U AREA	432.78 Sqmt.
SIXTH FLOOR B/U AREA	432.78 Sqmt.
TOTAL B/U AREA	3021.37 Sqmt.

BARSATI AREA = 86.55 Sqmt. < 20% of 432.78 Sqmt.

BLOCK-B

BASEMENT FLOOR B/U AREA	6.77Sqmt.
GROUND FLOOR B/U AREA	17.62 Sqmt.
FIRST FLOOR B/U AREA	399.58 Sqmt.
SECOND FLOOR B/U AREA	399.58 Sqmt.
THIRD FLOOR B/U AREA	399.58 Sqmt.
FOURTH FLOOR B/U AREA	399.58 Sqmt.
FIFTH FLOOR B/U AREA	399.58 Sqmt.
SIXTH FLOOR B/U AREA	399.58 Sqmt.
TOTAL B/U AREA	2421.87 Sqmt.

BARSATI AREA = 79.92 Sqmt. < 20% of 399.58 Sqmt.

BLOCK-C

BASEMENT FLOOR B/U AREA	7.73Sqmt.
GROUND FLOOR B/U AREA	14.46 Sqmt.
FIRST FLOOR B/U AREA	467.31Sqmt.
SECOND FLOOR B/U AREA	467.31Sqmt.
THIRD FLOOR B/U AREA	467.31Sqmt.
FOURTH FLOOR B/U AREA	467.31Sqmt.
FIFTH FLOOR B/U AREA	467.31Sqmt.
SIXTH FLOOR B/U AREA	467.31Sqmt.
TOTAL B/U AREA	2826.05 Sqmt.

BARSATI AREA = 93.46 Sqm < 20% of 467.31Sqm.

TOTAL FLOOR B/U AREA OF BLOCK (A+B+C)
3021.37+ 2421.87 +2826.05 = 8269.29 Sqmt.

FAR = 2.49

PROJECT :-

PROPOSED RESIDENTIAL BUILDING FOR
1. SMT. VIMLA DEVI JAIN
W/O - SRI NEMI CHANDRA JAIN
2. SRI NEMICHAND JAIN
S/O - LATE GOPI RAM JAIN
MAUZA - JITWARPUR NIZAMAT, P.S. - SAMASTIPUR, THANA NO. - 201, KHATA NO. - 1, 110 (OLD) 424 (NEW), PLOT NO. - 102, 103, 106, (OLD) 812, 818(NEW), DIST. - SAMASTIPUR (BIHAR)

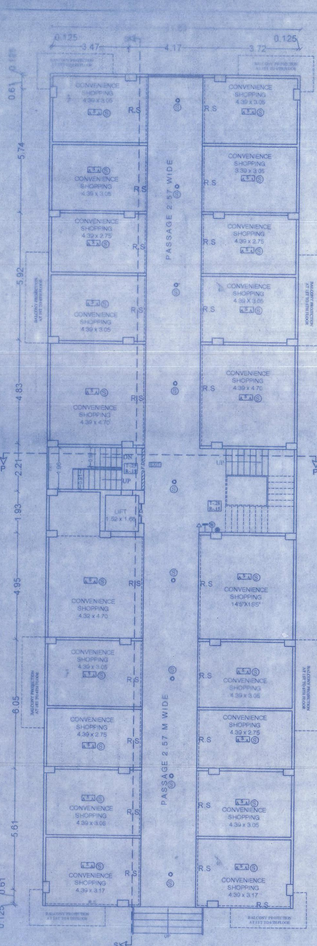
Er. Shailesh Ranjan
B.Sc.(Engg) Civil, M.I.E
Emp.No.-ER/19/16
P.M.C.Patna

SIGNATURE OF ARCH./ENG.

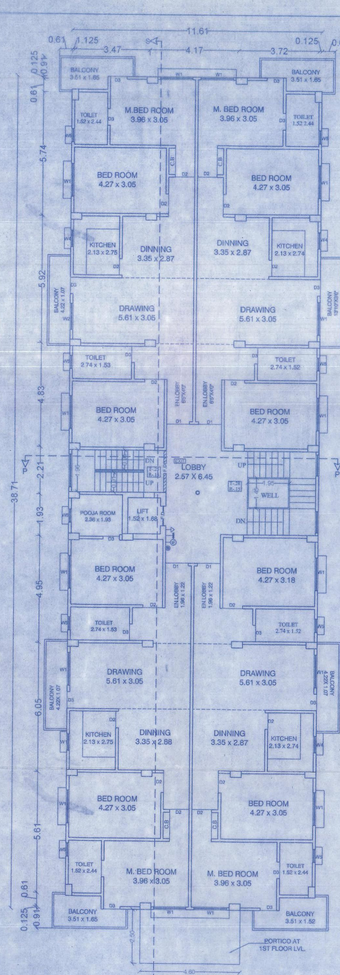
SIGNATURE OF OWNER | SIGNATURE OF STR. ENG.

DIG HG & FS
Cum
State Fire Officer
Bihar, Patna

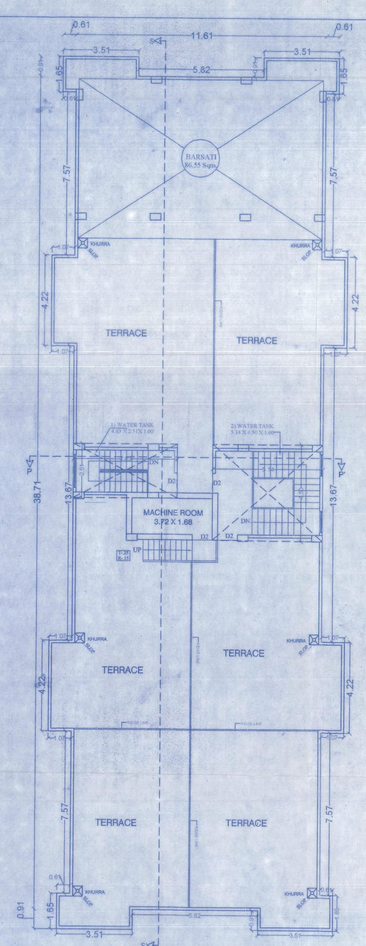
01/04



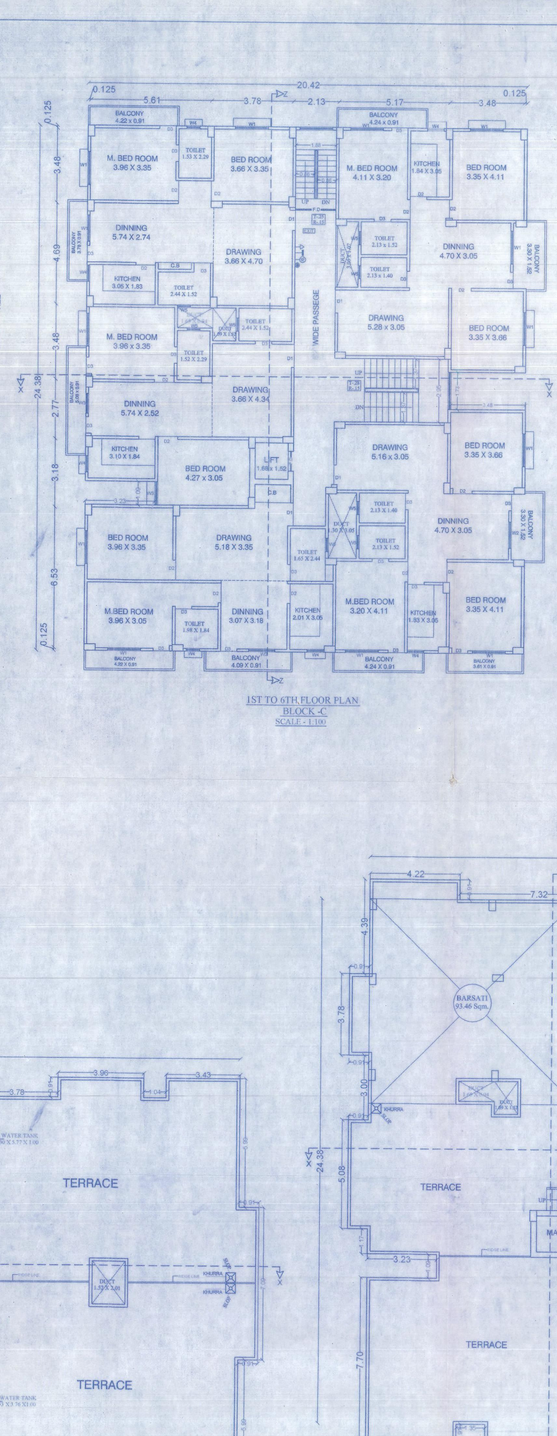
GROUND FLOOR PLAN BLOCK -A
SCALE - 1:100



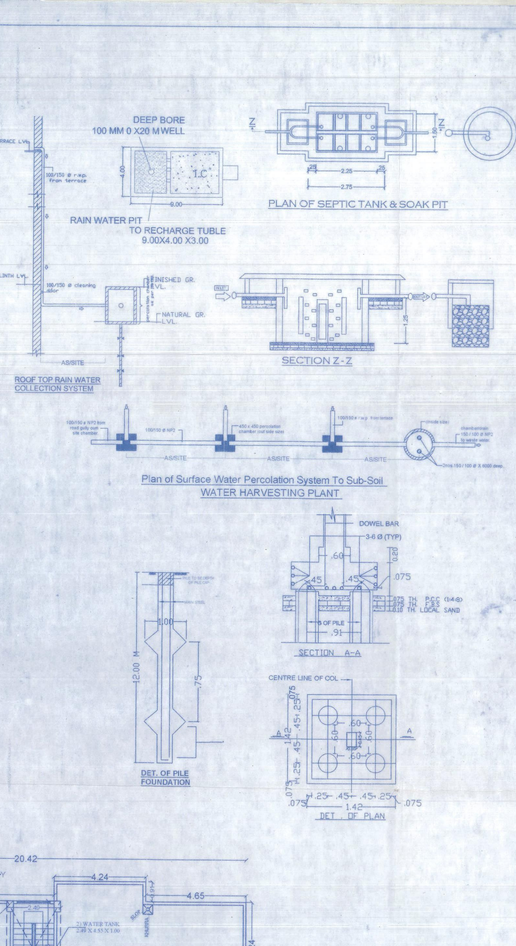
1ST TO 6TH FLOOR PLAN
BLOCK -A
SCALE - 1:100



TERRACE PLAN BLOCK -A
SCALE - 1:100



1ST TO 6TH FLOOR PLAN
BLOCK -C
SCALE - 1:100



-: FIRE LEGEND :-

1.	UNDER GROUND WATER TANK OF 25,000 LTRS. CAP.	50,000 LTRS.
2.	FIRE RESISTANCE DOOR	FD
3.	FIRE HYDRANT SYSTEM	FH
4.	HOSE REEL	HR
5.	MANUAL CALL ALARM POINT	MCP
6.	FIRE EXTINGUISHER CO2 TYPE	FE
7.	ILLUMINATED EXIT DIRECTIONAL SIGN	EXIT
8.	SEAMESE CONNECTION	SC
9.	EMERGENCY LIGHTING SYSTEM	EL
10.	FIRE SPRINKLER	S
11.	SMOKE DETECTOR	A S A

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	SILL LEV	LIN. LEV	REMARK
D1	1.07	2.13	0.00	2.13	FULLYPANELLEDDOORS
D2	0.91	2.13	0.00	2.13	DO
D3	0.76	2.13	0.00	2.13	DO
	W I N D O W S				
W1	1.52	1.37	0.76	2.13	FULLY GLAZED WINDOW
W2	1.20	1.37	0.76	2.13	DO
W3	0.80	1.37	0.76	2.13	DO
W4	0.76	0.76	1.37	2.13	DO
W5	0.60	0.76	1.37	2.13	DO

SEPTIC TANK CALCULATION, PROPOSED BLOCK (A+B+C)

FOR COMMERCIAL

TOTAL BUILT UP AREA = 417.09 SQM.
TOTAL CARPET AREA = 417.09/2 = 208.55 SQM.
ASSUME 10 sqm CARPET AREA= 1 PERSON
HENCE 208.55 sqm. CARPET AREA = 21 PERSON
CAPACITY OF SEPTIK TANK REQUIREMENT
@ 0.085 cum./ 1PERSON
TOTAL NO OF PERSON REQUIRED
= 21 X 0.085
= 1.79 cum. + 20% EXTRA = 2.15 cum.

FOR RESIDENTIAL

NOS. OF FLAT = 78
ASSUME 5PERSON / FLAT REQ. 78 X5 = 390
TOTAL NOS. OF PERSON = 390
ADD 20% EXTRA = 468 PERSON
CAPACITY OF SEPTIC TANK FOR 6PERSON
@ 0.085M / PERSON/ DAY
468X 0.085 = 39.78 Cum.
TOTAL SIZE OF SEPTIC TANK REQUIRED
= 39.78 CUM.
TOTAL SIZE OF SEPTIC TANK PROVIDED
= 1) 2.25 X 1.50 X 1.25 X 2 = 41.25 Cum.

RAIN WATER HARVESTING CALCULATION

TOTAL PLOT AREA = 3312.25 Sqmt.
RECHARGE PIT CAPACITY @ 6 CUM FOR 100 SQM.
SO, 3312.35 Sqmt. REQUIRED RECHARGE PIT
AREA = 33.12 X 6 = 198.72 CUM
RECHARGE PIT SIZE PROVIDED
= 9.00X4.00X3.00X 2 = 216 CUM

PROJECT :-

PROPOSED RESIDENTIAL BUILDING FOR
1. SMT. VIMLA DEVI JAIN
W/O - SRI NEMI CHANDRA JAIN
2. SRI NEMICHAND JAIN
S/O - LATE GOPI RAM JAIN
MAUZA - JITWARPUR NIZAMAT, P.S. - SAMASTIPUR,
THANA NO. - 201, KHATA NO. - 1, 110 (OLD) 424 (NEW),
PLOT NO. - 102, 103, 106, (OLD) 812, 818(NEW),
DIST. - SAMASTIPUR (BIHAR)

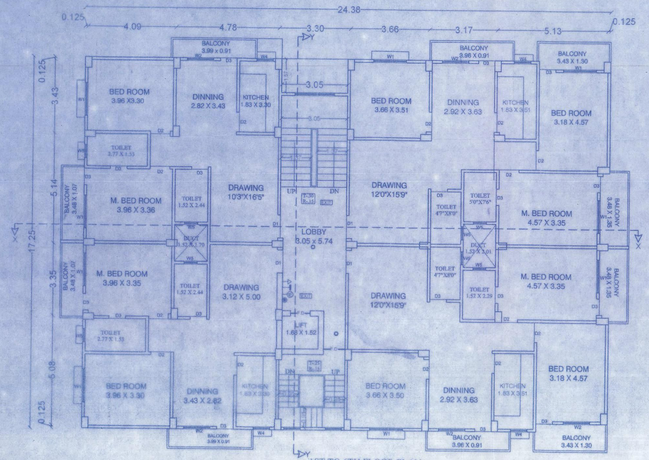
Er. Shailesh Ranjan
B.Sc.(Engg) Civil, M.I.E
Emp.No.-ER/19/16
P.M.C.Patna

SIGNATURE OF ARCH./ENG.

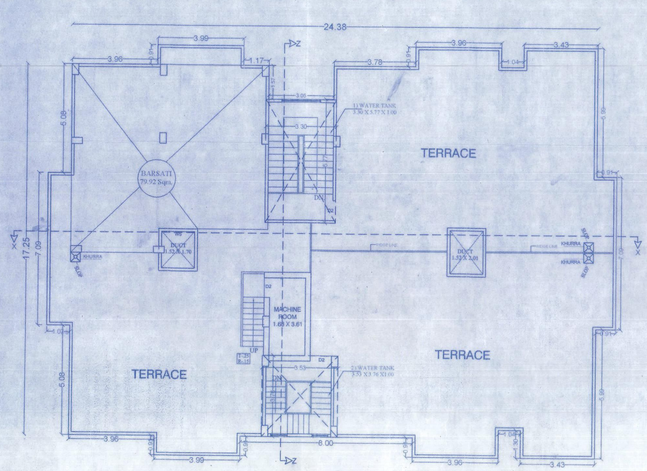
SIGNATURE OF OWNER

SIGNATURE OF STR. ENG.

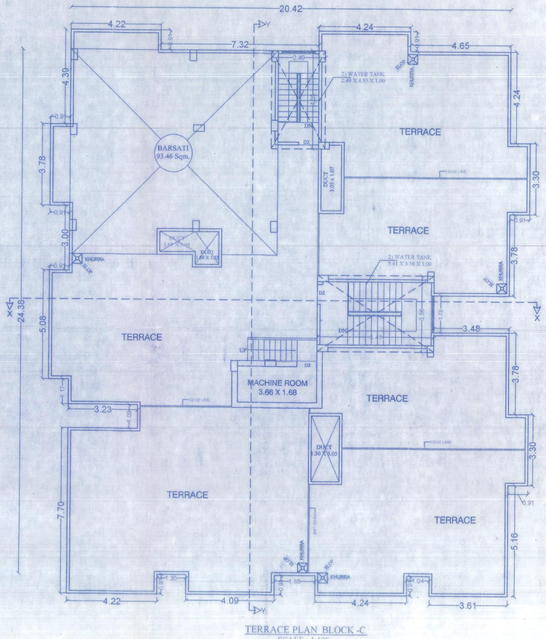
10/3/19
DIG HG & FS
Cum
State Fire Officer
Bihar, Patna



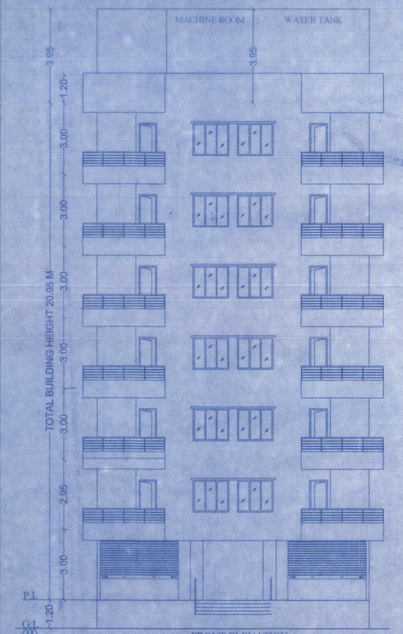
1ST TO 6TH FLOOR PLAN
BLOCK -B
SCALE - 1:100



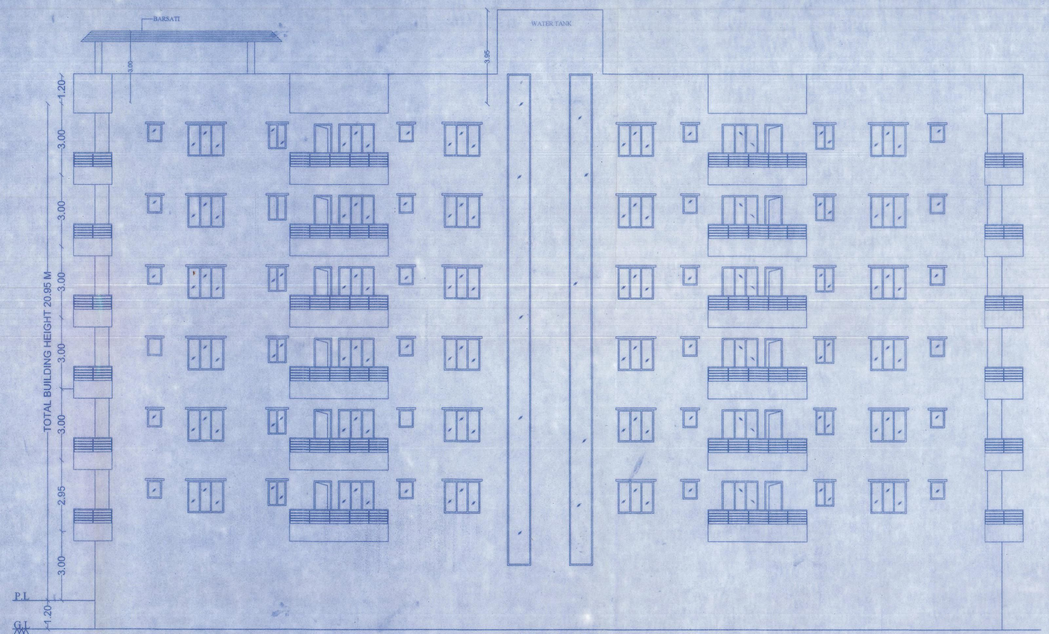
TERRACE PLAN BLOCK -B
SCALE - 1:100



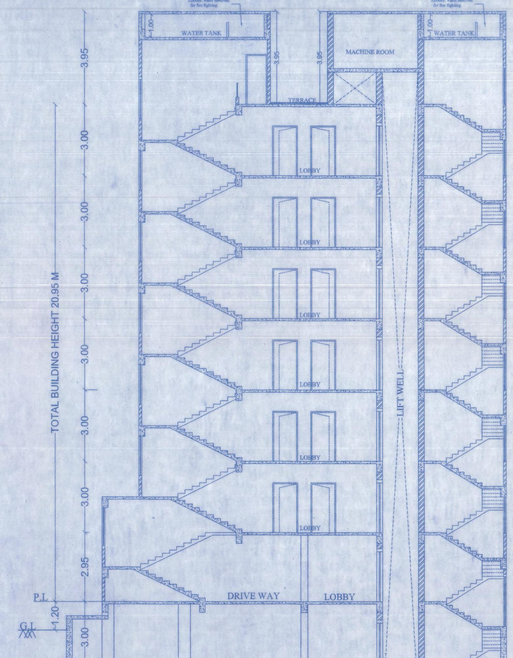
TERRACE PLAN BLOCK -C
SCALE - 1:100



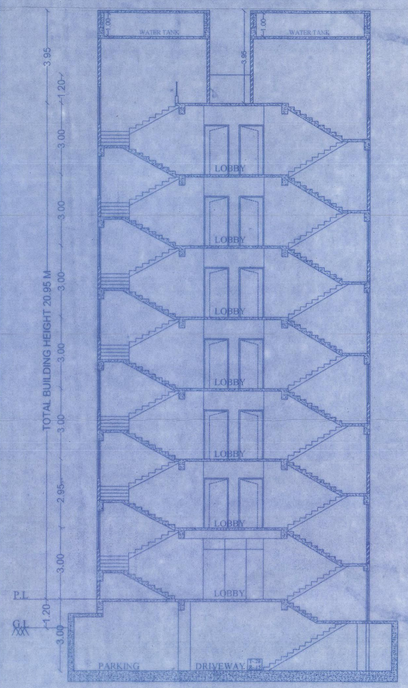
FRONT ELEVATION
SCALE - 1:100
BLOCK-A



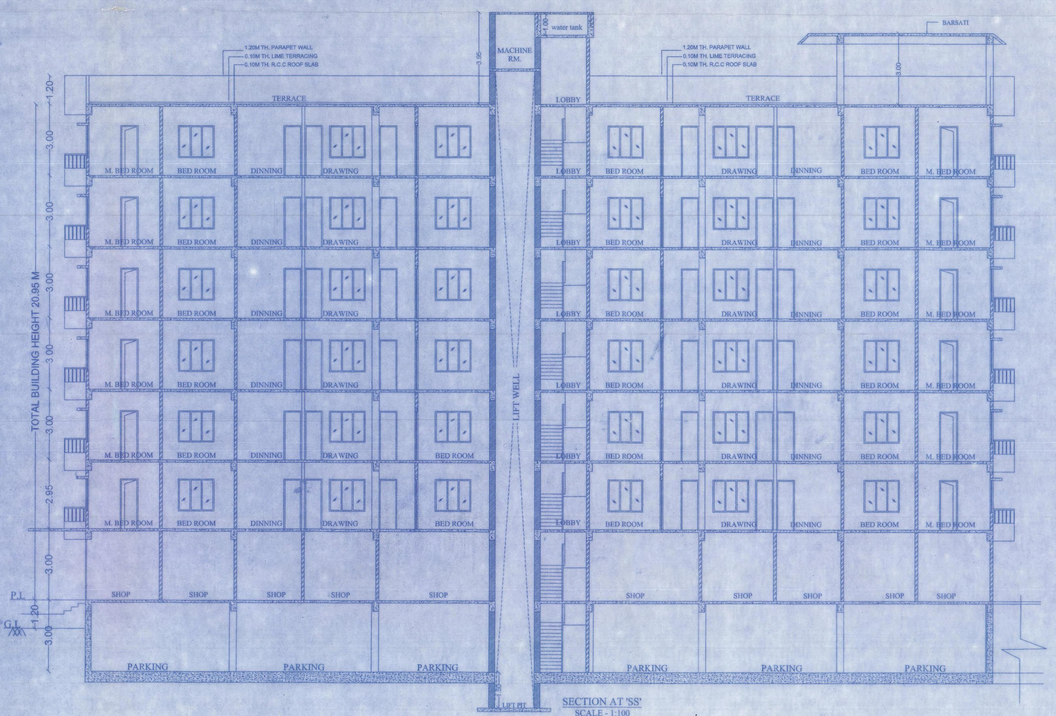
SIDE ELEVATION
SCALE - 1:100
BLOCK-A



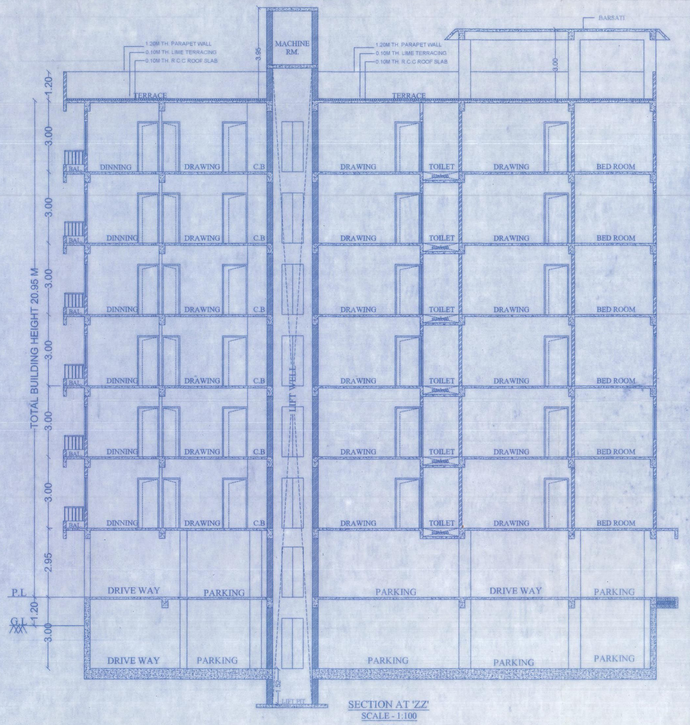
SECTION AT 'YY'
SCALE - 1:100
BLOCK-B



SECTION AT 'PP'
SCALE - 1:100
BLOCK-A



SECTION AT 'SS'
SCALE - 1:100
BLOCK-A



SECTION AT 'ZZ'
SCALE - 1:100
BLOCK-C

WATER TANK CALCULATION BLOCK (A+B+C)

FOR COMMERCIAL
TOTAL BUILT UP AREA = 417.09 SQM.
TOTAL CARPET AREA = 417.09 /2 = 208.55 SQM.
ASSUME 10 sqm CARPET AREA = 1 PERSON
HENCE 208.55 sqm. CARPET AREA = 21 PERSON
ASSUME 50 LTR. WATER CONSUMPTION/PERSON/DAY
TOTAL WATER REQUIRED = 50 X 21
= 1050 LTR + 20%EXTRA = 1260 LTR.
TOTAL WATER REQUIRED = 1.26 cum.

FOR RESIDENTIAL
NOS. OF FLAT = 78
ASSUME 5PERSON / FLAT REQ. 78 X5 = 390
TOTAL NOS. OF PERSON = 390
ADD 20% EXTRA = 468 PERSON
ASSUME 135LTR WATER CONSUMPTION/PER/DAY
= 468 X 135 + 15000 (FOR FIRE FIGHTING)
= 78180 ltr. = 78.80 CUM
TOTAL WATER TANK SIZE REQUIRED
= 78.80 + 1.26 = 80.06 CUM.
SIZE OF WATER TANK PROVIDED
BLOCK -A
1). 4.83 X 2.51 X 1.00 = 12.12 Cum.
2). 5.14 X 4.50 X 1.00 = 23.13 Cum.
TOTAL ---------- = 35.25 Cum.
BLOCK-B
1). 3.30 X 5.77 X 1.00 = 19.04 Cum.
2). 3.53 X 3.76 X 1.00 = 13.27 Cum.
TOTAL ---------- = 32.31 Cum.
BLOCK -C
1). 2.49 X 4.55 X 1.00 = 11.33 Cum.
2). 5.41 X 3.56 X 1.00 = 19.26 Cum.
TOTAL---------- = 30.59 Cum.
TOTAL WATER TANK SIZE BLOCK (A+B+C)
35.25 +32.31+30.59 = 98.15 Cum.

PROJECT :-

PROPOSED RESIDENTIAL BUILDING FOR
1. SMT. VIMLA DEVI JAIN
W/O - SRI NEMI CHANDRA JAIN
2. SRI NEMICHAND JAIN
S/O - LATE GOPI RAM JAIN
MAUZA - JITWARPUR NIZAMAT, P.S.- SAMASTIPUR,
THANA NO. - 201, KHATA NO. - 1, 110 (OLD) 424 (NEW),
PLOT NO.- 102, 103, 106, (OLD) 812, 818(NEW),
DIST. - SAMASTIPUR (BIHAR)

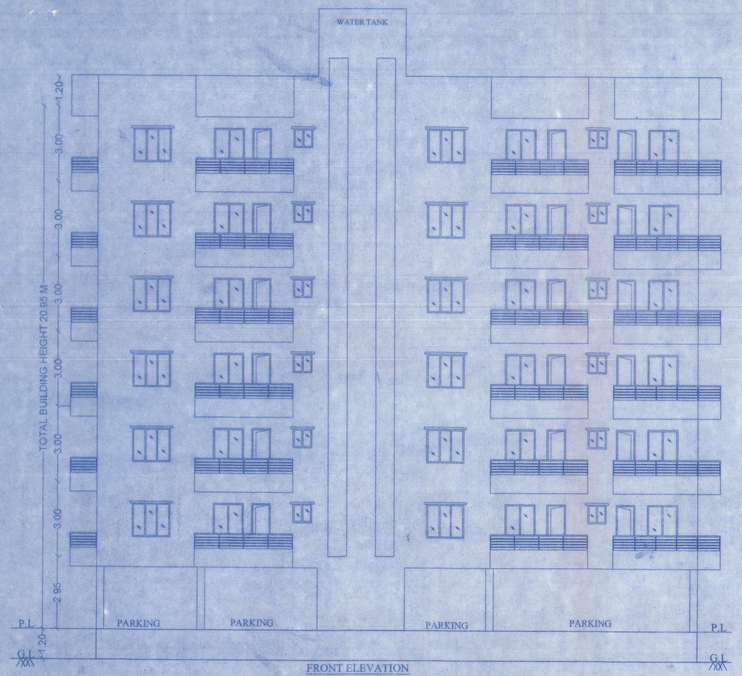
Er. Shailesh Ranjan
B.Sc.(Engg) Civil, M.I.E
Emp.No.-ER/19/16
P.M.C.Patna

SIGNATURE OF ARCH./ENG.

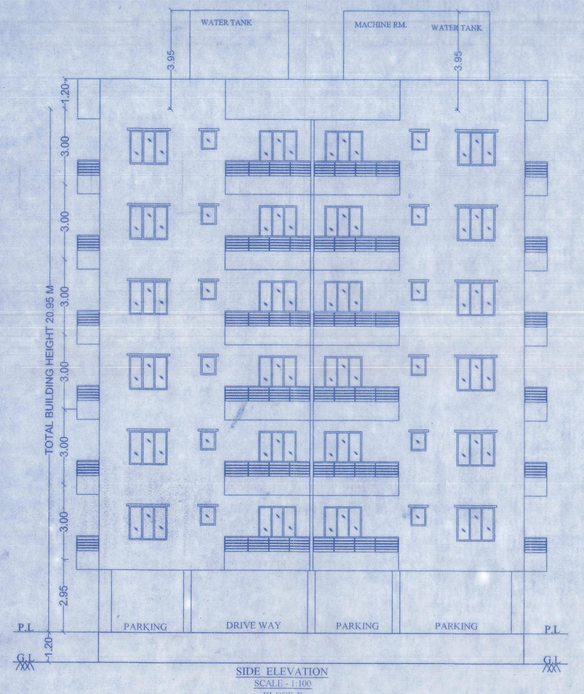
SIGNATURE OF OWNER

SIGNATURE OF STR. ENG.

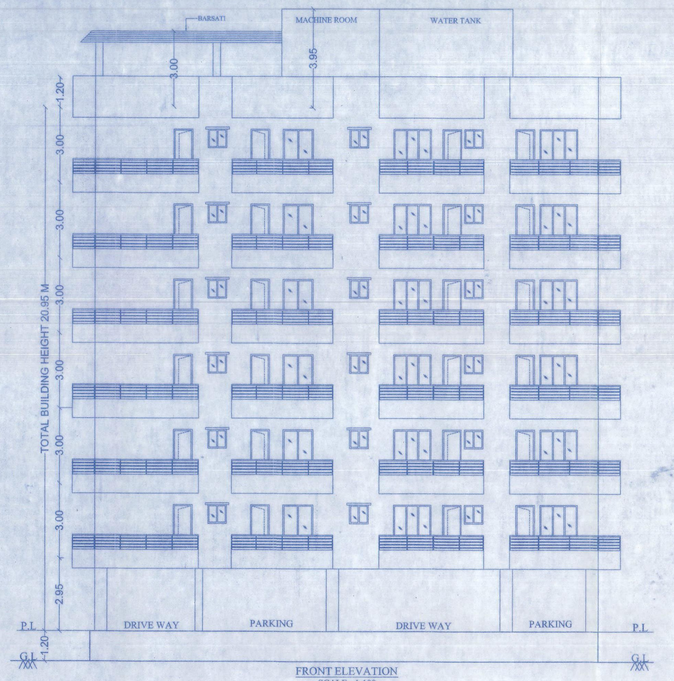
DIG HG & HS
Cum
State Fire Officer
Bihar, Patna



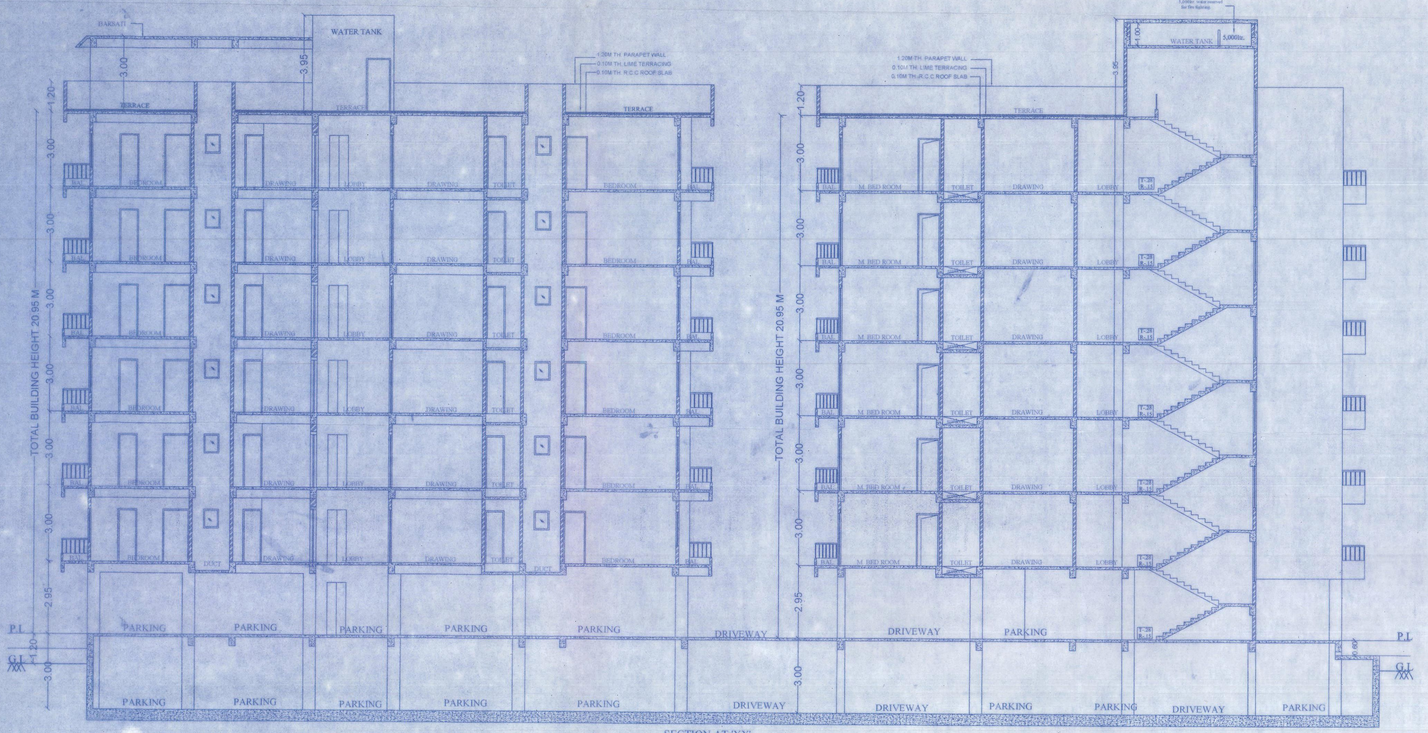
FRONT ELEVATION
SCALE - 1:100
BLOCK-B



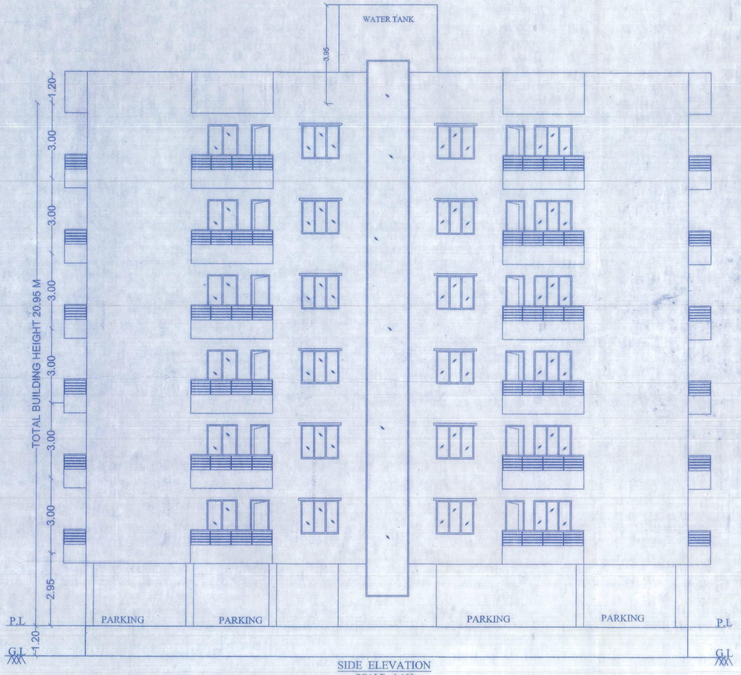
SIDE ELEVATION
SCALE - 1:100
BLOCK-B



FRONT ELEVATION
SCALE - 1:100
BLOCK-C



SECTION AT 'XX'
SCALE - 1:100
BLOCK-(B+C)



SIDE ELEVATION
SCALE - 1:100
BLOCK-C

SPECIFICATION

(1) FOUNDATION :- R.C.C. PILE FOUNDATION.

(2) SUPER STRUCATURE :- 1st CLASS BRICK WORK (IN CEMENT MORTER 1:6

(3) FLOORING :- 025 THI. P. S.FLOORING OVER 25 DRY RAMMED KHOA OVER ONE LAYER BRIK FLAT SOLING , OVER LOCAL SAND FILLING.

(4) R.C.C. WORK :- SLAB, LINTEL, STAIR, BEAM & CHAJJA IN 1 : 1 : 1 1/2 : 3 WITH PROPER WEIH FOR CEMENT.

(5) TERRACING :- 10TH AVERAGE LIME TERRACING OVER 10 TH R. C. C. ROOF SLAB.

(6) PLASTER :- 012 TH CEMENT PLASTER ON BOTH SIDE WALL & 006 CEMENT PLASTER ON CEILING.

(7) DRAIN :- 18 CM WIDE & 30 CM DEEP PUCCA DRAIN ROUND IN THE BUILDING.

(8) COLOUR :- AS PER CHOICE.

-: FIRE LEGEND :-

1.	UNDER GROUND WATER TANK OF 25,000 LTRS. CAP.	50,000 LTRS.
2.	FIRE RESISTANCE DOOR	FD
3.	FIRE HYDRANT SYSTEM	H-W
4.	HOSE REEL	
5.	MANUAL CALL ALARM POINT	
6.	FIRE EXTINGUISHER CO2 TYPE	
7.	ILLUMINATED EXIT DIRECTIONAL SIGN	EXIT
8.	SEAMESE CONNECTION	
9.	EMERGENCY LIGHTING SYSTEM	
10.	FIRE SPRINKLER	S
11.	SMOKE DETECTOR	A S A

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	SILL LEV.	LIN. LEV.	REMARK
D1	1.07	2.13	0.00	2.13	FULLYPANILLEDDOORS
D2	0.91	2.13	0.00	2.13	DO
D3	0.76	2.13	0.00	2.13	DO
		W I N D O W S			
W1	1.52	1.37	0.76	2.13	FULLY GLAZED WINDOW
W2	1.20	1.37	0.76	2.13	DO
W3	1.00	1.37	0.76	2.13	DO
W4	0.76	0.76	1.37	2.13	DO
W5	0.60	0.76	1.37	2.13	DO

PROJECT :-

PROPOSED RESIDENTIAL BUILDING FOR
1. SMT. VIMLA DEVI JAIN
W/O - SRI NEMI CHANDRA JAIN
2. SRI NEMICHAND JAIN
S/O - LATE GOPI RAM JAIN
MAUZA - JITWARPUR NIZAMAT, P.S. - SAMASTIPUR,
THANA NO. - 201, KHATA NO. - 1, 110 (OLD) 424 (NEW),
PLOT NO. - 102, 103, 106, (OLD) 812, 818(NEW),
DIST. - SAMASTIPUR (BIHAR)

Er. Shailesh Ranjan
B.Sc.(Engg) Civil, M.I.E
Emp.No.-ER/19/16
P.M.C.Patna

SIGNATURE OF ARCH./ENG.

SIGNATURE OF OWNER

SIGNATURE OF STR. ENG.

DIG HG & FS
Com
State Fire Officer
Bihar, Patna