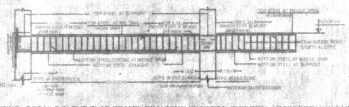


TYP REINF. DETAILS IN THE SLAB BEAMS SPANNING BETWEEN SUBHORI. TO SUBPON (COLUMNS)

R.C.C. SLAB COVER

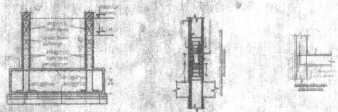
MAN HOLE

INLET

OUTLET

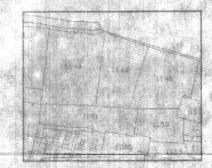
10 TH P.C.C. OVER 10TH BY FLAT SOLING OVER SAND FILLING

SECTION ON SAPTIC TANK

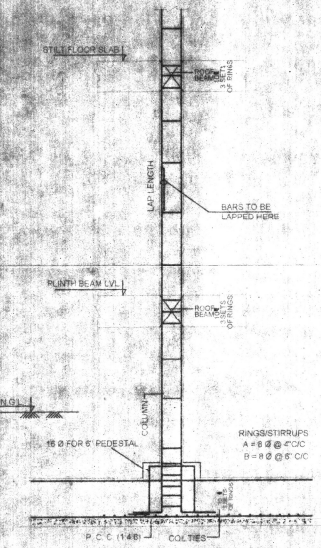


SECTION OF LIFT PIT

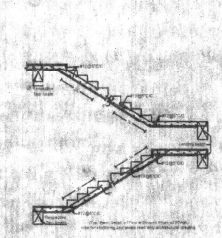
SECTION AT X-X

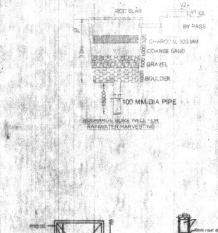


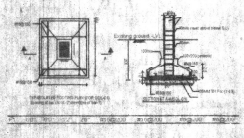
KEY PLAN

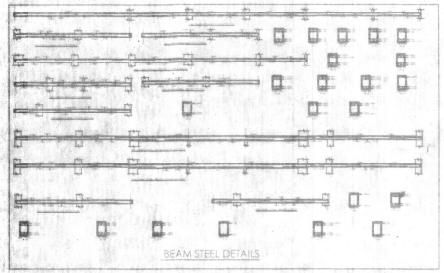


TYPICAL COLUMNS ELEVATION
(LEGGED AS PER SCHEDULE)

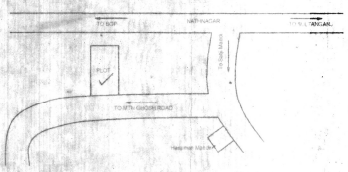




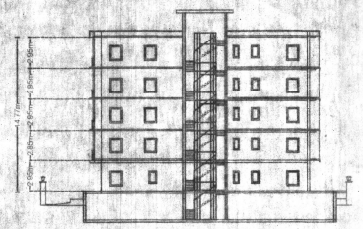




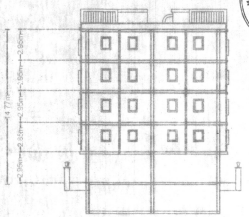
BEAM STEEL DETAILS



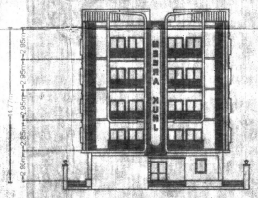
LOCATION PLAN



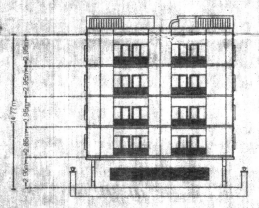
SECTION X-X



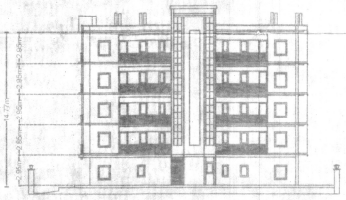
SECTION Y-Y



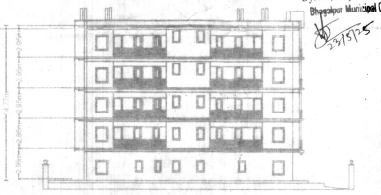
NORTH ELEVATION



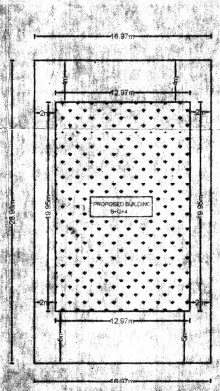
SOUTH ELEVATION



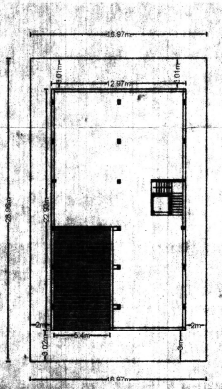
EAST ELEVATION



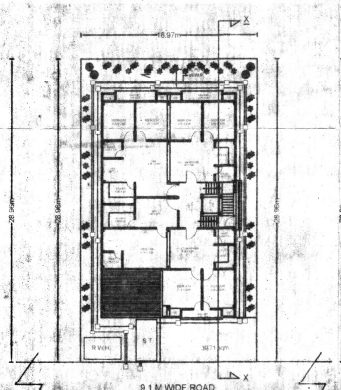
WEST ELEVATION



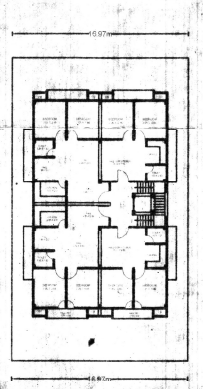
SITE PLAN



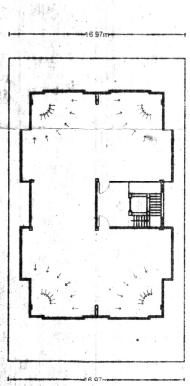
BASEMENT FLOOR PLAN



GROUND FLOOR PLAN



1ST TO 4TH FLOOR PLAN



TARRACE FLOOR PLAN

Bhagalpur Municipal Corporation
BHAGALPUR
SANCTIONED SET BACK
Front - 5.00 M
Rear - 11.00 M
Left Side - 2.00 M
Right Side - 2.00 M

भागलपुर नगर निगम में रजिस्ट्रेशन सं० 152/24-25
दिनांक 14/11/2025 द्वारा समस्त भवन विनियमावली 2007 की धारा 314 के प्रावधानों के तहत अस्थायित्व प्रदान. 4.3.9
दि० 22/05/25 हस्ता. [illegible]
भवन का नक्शा स्वीकृत किया गया। स्वीकृत नक्शे का मान्य स्वीकृत तिथि से पाँच वर्षों के लिए है।

Dy. Municipal Commissioner
Bhagalpur Municipal Corporation

SPECIFICATIONS	
FOUNDATION	R.C.C. PILE FOUNDATION AS PER R. ENGINEER
SUPER STRUCT.	1ST CLASS BRICK WORK IN 1:6 C.M. UPTO PLINTH
R.C.C. WORK	SLAB, LINTEL BEAM, SUNSHADE, C.T. (M20 NOMINAL MIX)
ROOFING	100 MM INSTRUMENTATION WITH R.C.C. ROOF SLAB
FLOORING	18 X 18 FLOORING OVER 75 MM DRY RUBBLED KHOA CHIPS
WOOD WORK	DOOR, WINDOW FRAMES ARE OF TEAK WOOD SHUTTERS
PLASTER	20 MM CM PLASTER FOR INSIDE OF THE WALLS
PAINTING	TWO COAT WHITE WASH IN THE OUTSIDE OF THE WALLS

SCHEDULE OF DOORS & WINDOWS

S. NO.	TYPE	SIZE	NOS.	DESCRIPTION
1	D	1.067 X 2.10	24	WOODEN DOOR
2	D1	0.92 X 2.10	4	WOODEN DOOR
3	D2	0.76 X 2.10	4	WOODEN DOOR
4	D3	0.61 X 2.10	4	WOODEN DOOR
5	D4	1.22 X 2.10	4	WOODEN DOOR
6	D5	1.07 X 2.10	4	WOODEN DOOR
7	W	1.21 X 1.20	24	FIXED GLASS
8	W1	0.61 X 1.20	4	FIXED GLASS
9	W2	0.61 X 0.61	4	FIXED GLASS
10	W3	0.76 X 0.61	4	FIXED GLASS
11	W4	0.91 X 1.20	4	FIXED GLASS
12	W5	0.91 X 0.61	4	FIXED GLASS

AREA CALCULATION

TOTAL PLOT AREA = 491.45 SQ.M

	FOR F.A.R.	ACTUAL BUILTUP AREA
BASEMENT FL. PARKING AREA = 297.37 SQ.M.	BUILT UP AREA	
BASEMENT FL. B.U.A.	6.34 SQ.M.	261.03 SQ.M.
GROUND FL. B.U.A. = 256.75 SQ.M. (EXCL. PARKING)	184.93 SQ.M.	256.75 SQ.M.
FIRST FL. B.U.A.	256.75 SQ.M.	256.75 SQ.M.
SECOND FL. B.U.A.	256.75 SQ.M.	256.75 SQ.M.
THIRD FL. B.U.A.	256.75 SQ.M.	256.75 SQ.M.
FOURTH FL. B.U.A.	256.75 SQ.M.	256.75 SQ.M.
F.A.R. = 1236.27 / 491.45 = 2.49	1228.27 SQ.M.	1584.78 SQ.M.

PARKING CALCULATION

NET BUA = 1584.78 SQM (INCLUDING AREA = 1547.28 SQM NET BUA) + 37.50 SQM
REQ. PARKING = 1584.78/100 = 15.84 ECS
EXISTING PARKING = 10 ECS
PROPOSED AREA = 297.37 SQM
PROPOSED PARKING = 297.37/100 = 2.97 ECS
TOTAL PROVIDED PARKING = 12.97 ECS

GREEN AREA CALCULATION

REQUIRED GREEN AREA = 5% OF TOTAL PLOT AREA
TOTAL AREA = 491.5 SQ.M.
5% OF PLOT AREA = 24.58 S.M.
WE PROVIDED = 58.75 SQ.M.

UNDER GROUND WATER TANK CALCULATION

REQUIRED CAPACITY - 30000 LTS.
SIZE OF U. G. W. T. = 6.0X2.5X2.0 - 30.0 CU.M
= 30X1000 = 30000 LTS.

WATER TANK CALCULATION

TOTAL NO. OF FLAT = 20 NOS
ONE FLAT 6 PERSON
TOTAL NO OF PERSON = 20 X 5 = 100 NOS.
ONE PERSON REQU. WATER = 135 LTR./DAY
TOTAL REQU. WATER = 100X135 = 13500 LTR./DAY
TOTAL REQU. AREA OF WATER TANK = 13.50 CU.M.
PROVIDE AREA OF WATER TANK
SIZE 4.5X7.8 = 17.82 CU.M
17.82X1000 = 17820 LTS.

SEPTIC TANK CALCULATION

TOTAL NO. OF FLAT = 20 NOS
ONE FLAT 5 PERSON
TOTAL NO OF PERSON = 20 X 5 = 100
ONE PERSON REQU. AREA = 0.085 C.M./DAY
TOTAL REQU. AREA = 100 X 0.085 = 5.80 CU.M./DAY
PROVIDE AREA OF SAPTIC TANK
SIZE = 3.25 X 2.50 = 8.12 CU.M.
TOTAL AREA OF SPTIC TANK = 8.12 CU.M.

RAIN WATER HARVESTING CHAMBER

TOTAL TERRACE AREA = 256.75 Sqm
REQUIRED VOLUME FOR R.W.H. CHAMBER
Per 100 Sq.m = 6cum Req.
So, 253.75 Sqm X 6/100 = 15.52 cum
PROVIDED CHAMBER = 5.5m X 2.00 X 2M = 110 Cum.

PROPOSED RESIDENTIAL BUILDING PLAN OF SRI BISHNU KUMAR JAIN S/O LATE CHHOTE LAL JAIN, PLOT SITUATED MOUZA - NATHNAGAR HOLDING NO. - BMC1121-14009701, WARD NO. - 23/11, ANCHAL NATHNAGAR, THANA- NATHNAGAR, THANA NO - W/23, KHATA NO. - 177, KHESRA NO. - 1143, DIST. - BHAGALPUR UNDER BIHAR SARKAR, BHAGALPUR

SIG. OF OWNERS

विष्णु कुमार जैन

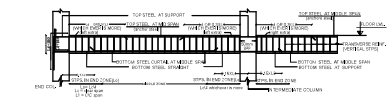
SCALE - 1:100

DATE - 01.12.2024

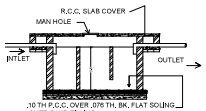
SIGN OF STRUCTURE ENGINEER

ER. BIKASH KUMAR
Registered Engineer
Regd. No. BR/IN/STR/23.8198

कार्यालयाक्ष अधिशासी
नगर निगम भागलपुर
भागलपुर (भागलपुर नगर निगम क्षेत्र)
भागलपुर

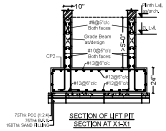


TYP.REINF. DETAILS IN THE SLAB BEAMS SPANNING BETWEEN SUPPORT TO SUPPORT(COLUMNS)

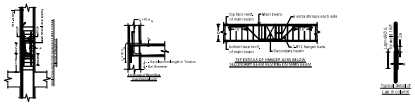


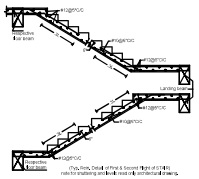
.10 TH P.C.C. OVER .075 TH. BK. FLAT SOLING OVER SAND FILLING

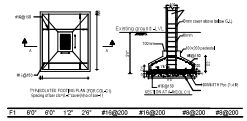
SECTION ON SAPTIC TANK

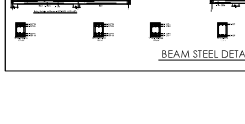


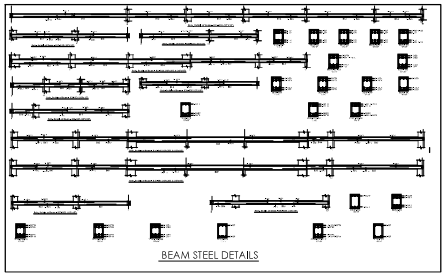
SECTION OF LIFT PIT
SECTION AT X-X1



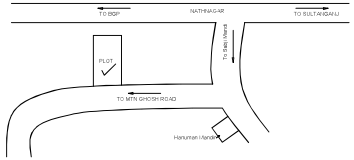




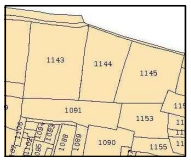




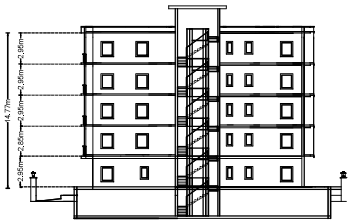
BEAM STEEL DETAILS



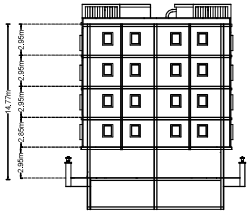
LOCATION PLAN



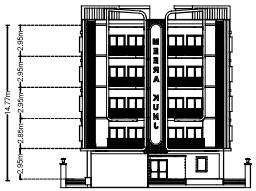
KEY PLAN



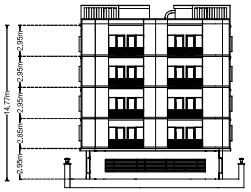
SECTION X-X



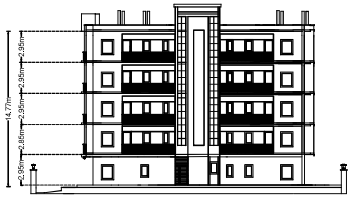
SECTION Y-Y



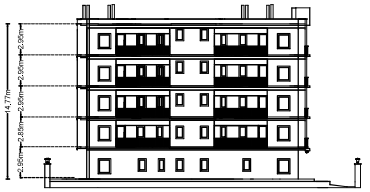
NORTH ELEVATION



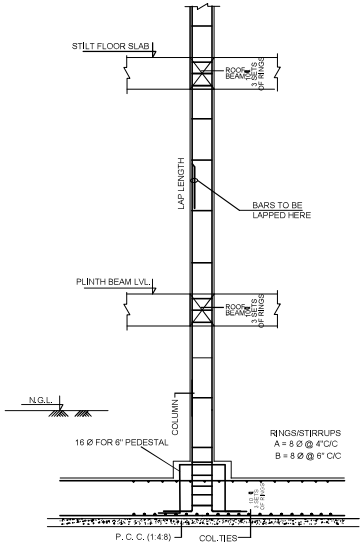
SOUTH ELEVATION



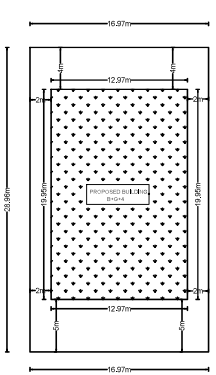
EAST ELEVATION



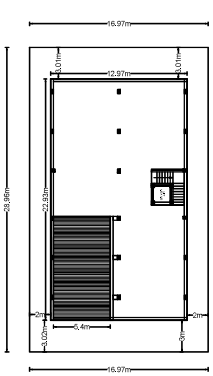
WEST ELEVATION



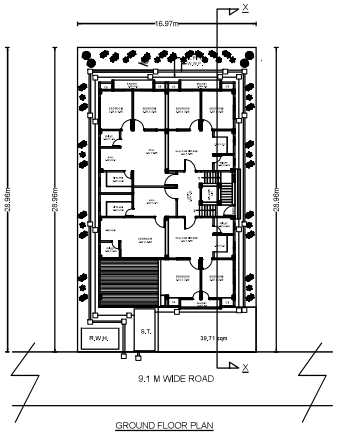
TYPICAL COLUMNS ELEVATION
(LEGGED AS PER SCHEDULE)



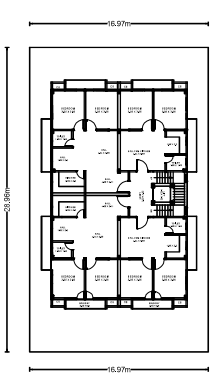
SITE PLAN



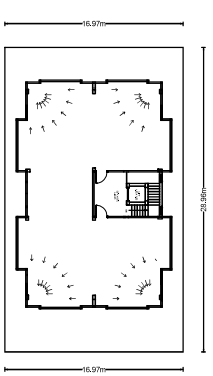
BASEMENT FLOOR PLAN



GROUND FLOOR PLAN



1ST TO 4TH FLOOR PLAN



TARRACE FLOOR PLAN

SPECIFICATIONS

FOUNDATION	R.C.C. PILE FOUNDATION AS PER STR. DESIGNER
SUPER STRUCT.	10TH CLASS BRICK WORK IN 1:6 CM MIX IN CEILINGS
R.C.C. WORK	SLAB, LINTEL BEAM STAIRCASE, COLUMN REINFORCEMENT WITH M25 (1:1:2:3) GRADE CONCRETE MIX
ROOFING	.10TH LIME TERRACING OVER .10TH LIME CONCRETE ON R.C.C. ROOF SLAB
FLOORING	BRICK FLOORING TILES .10TH CM THICK IN MARBLE CHIPS OVER .10TH CM FINE CEMENT PLASTER AND OXIDE FINISH
WOOD WORK	ALL WOOD PANELLED DOORS & WINDOWS WITH PAINT AND TEAK WOOD SHUTTERS.
PLASTER	.01TH CM PLASTER BOTH SIDE OF THE WALLS
CEILINGS	FIVE COAT WHITE WASH IN ALL SIDES OF THE WALLS

SCHEDULE OF DOORS & WINDOWS

SL.NO.	TYPE	L.M.	M.M.	NOS.	DESCRIPTION
1	D1	2.25X2.40	0.68	5.40	WOODEN DOOR
2	D11	2.10X2.40	0.63	5.40	WOODEN DOOR
3	D2	2.10X2.40	0.63	5.40	WOODEN DOOR
4	D1W	0.21X2.40	0.06	5.40	WOODEN DOOR
5	D1W1	0.21X2.40	0.06	5.40	WOODEN DOOR
6	W	1.20X1.20	1.44	5.40	FULLY GLASS
7	W1	0.21X1.20	0.25	5.40	FULLY GLASS
8	W2	1.21X1.20	1.45	5.40	FULLY GLASS
9	W3	2.01X1.20	2.41	5.40	FULLY GLASS
10	W4	2.01X1.20	1.20	5.40	FULLY GLASS
11	W5	2.01X1.20	2.41	5.40	FULLY GLASS
12	W6	2.01X1.20	1.21	5.40	FULLY GLASS

AREA CALCULATION

TOTAL PLOT AREA — 491.45 SQ.M.

BASEMENT FL. PARKING AREA 297.37 SQ.M.	BUILT UP AREA: FOR F.A.R.	ACTUAL BUILTUP AREA
BESEMENT FL. BU.A.	6.34 SQ.M.	291.03 SQ.M.
GROUND FL. B.U.A. (SALTY+SALTY(WEST))	184.93 SQ.M.	258.75 SQ.M.
FIRST FL. B.U.A.	258.75 SQ.M.	258.75 SQ.M.
SECOND FL. B.U.A.	258.75 SQ.M.	258.75 SQ.M.
THIRD FL. B.U.A.	258.75 SQ.M.	258.75 SQ.M.
FOURTH FL. B.U.A.	258.75 SQ.M.	258.75 SQ.M.
F.A.R. – 1226.27 / 491.45 = 2.49	1226.27 SQ. M.	1584.78 SQ. M.

PARKING CALCULATION

NET BUA — 1584.78 (BUA) -15%(COMMON AREA) = 1347.06 SQM (NET BUA)
REQ. PARKING — 1347.06 SQM (NET BUA) *25% = 336.76 SQM
SPACE FOR PARKING – IN BASEMENT - 297.37 SQM
IN OPEN AREA - 38.71 SQM
TOTAL PROVIDED PARKING = 337.08 SQM

GREEN AREA CALCULATION

REQUIRED GREEN AREA = 5% OF TOTAL PLOT AREA
TOTAL AREA = 491.3 SQ.M.
5% OF PLOT AREA = 24.56 SQ.M.
WE PROVIDED = 68.75 SQ.M.

UNDER GROUND WATER TANK CALCULATION

REQUIRED CAPACITY - 30000 LTS.
SIZE OF U. G. W. T. = 6.0X2.5X2.0 = 30.0 CU. M.
= 30X1000 = 30000 LTS.

WATER TANK CALCULATION

TOTAL NO. OF FLAT = 20 NOS
ONE FLAT 6 PERSON
TOTAL NO OF PERSON = 20 X 5 = 100 NOS.
ONE PERSON REQU. WATER = 135 LTR./DAY
TOTAL REQU. WATER = 100X135 = 13500 LTR./DAY
TOTAL REQU. AREA OF WATER TANK =13.50 CU.M.
PROVIDE AREA OF WATER TANK
SIZE 4.5X2.20X1.8 =17.82 CU.M.
17.82X1000 = 17820 LTS.

SEPTIC TANK CALCULATION

TOTAL NO. OF FLAT = 20 NOS
ONE FLAT 5 PERSON
TOTAL NO OF PERSON = 20 X 5 = 100
ONE PERSON REQU. AREA = 0.085 C.M./DAY
TOTAL REQU. AREA =100 X0.085 =5.80 CU.M./DAY
PROVIDE AREA OF SAPTIC TANK
SIZE =3.25X2.50 = 8.12 CU.M.
TOTAL AREA OF SPTIC TANK = 8.12 CU.M.

RAIN WATER HARVESTING CHAMBER

TOTAL TERRACE AREA - 258.75 Sqmt.
REQUIRED VOLUME FOR R.W.H CHAMBER
Per 100 Sq mt = 6cum Req.
Say 258.75 Sqmt.X6/100 = 15.52 cum
PROVIDED CHAMBER - 4.5m X 2.00 X 2M = 18 Cmm.

PROPOSED RESIDENTIAL BUILDING PLAN OF SRI BISHNU KUMAR JAIN S/O LATE CHHOTE LAL JAIN, PLOT SITUATED MOUZA - NATHNAGAR,HOLDING NO.- BMC1121-14009701,WARD NO.- 23/11, ANCHAL NATHNAGAR, THANA- NATHNAGAR,THANA NO.- W23,KHATA NO.- 177,KHESRA NO. - 1143,DIST. - BHAGALPUR UNDER BIHAR SARKAR,BHAGAL PUR.

SIG. OF OWNER'S

SCALE - 1:100

DATE - 01.12. 2024

SIGN. OF STRUCTURE ENGINEER