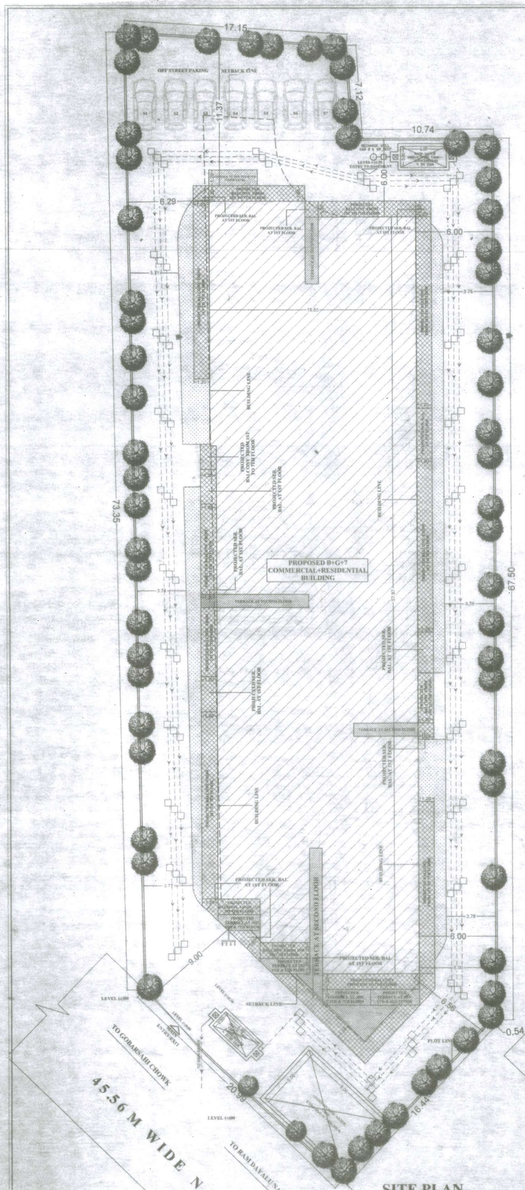
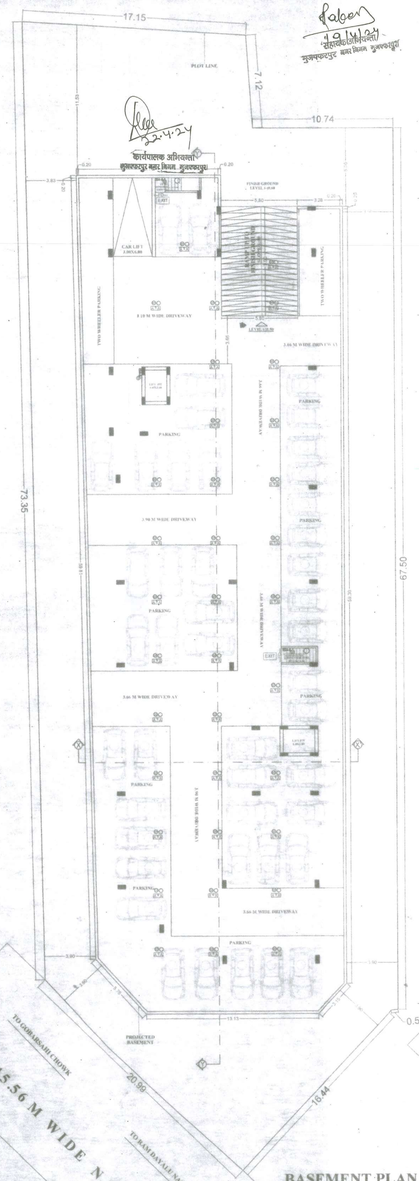
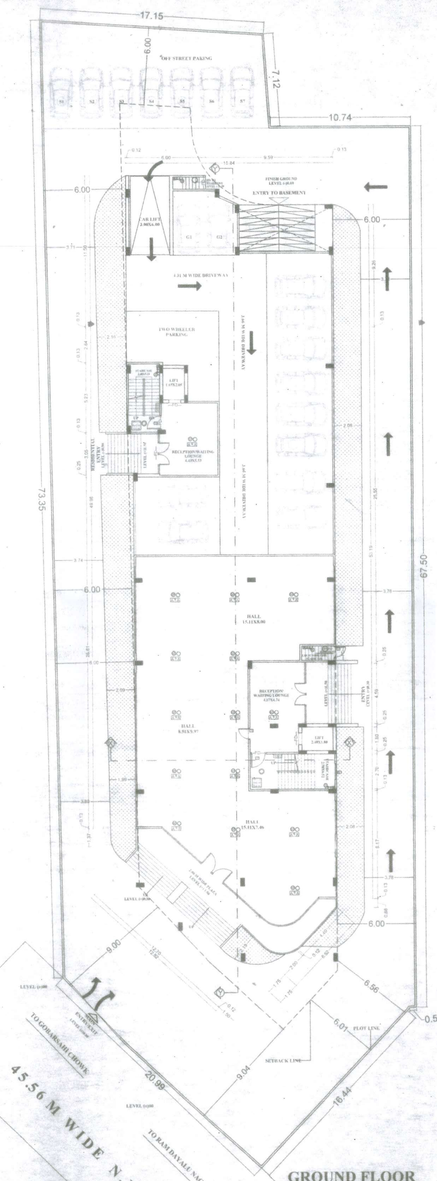


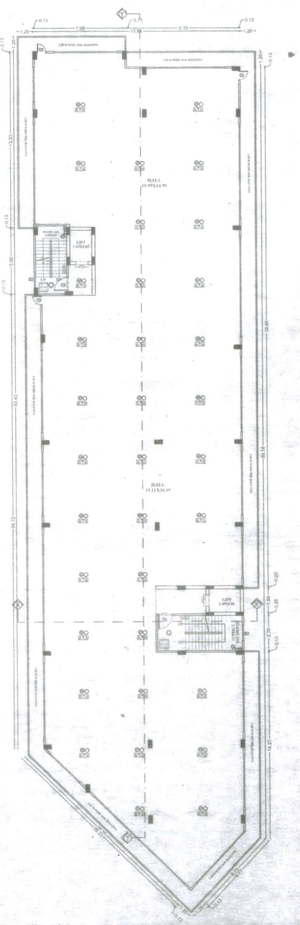
SITE PLAN
SCALE 1:100



BASEMENT PLAN



GROUND FLOOR PLAN



FIRST FLOOR PLAN

FIRE LEGENDS

- [1] OVERHEAD WATER STATIC OF 25,000 LITERS CAPACITY - 25,000 LTRS
- [2] WET RISER POINT (W) (WET RISING SYSTEM)
- [3] HOSE REAL
- [4] I.S.I MARKED F.E
- [5] FLUORESCENT SIGN
- [6] SEAMAC CONNECTION
- [7] SPRINKLER'S INSTALLATION
- [8] MANUAL CALL ALARM POINT
- [9] FIRE RESISTANCE STEEL DOOR
- [10] AREA COVERED WITH SMOKE DETECTION SYSTEM
- [11] EMERGENCY LIGHT
- [12] P.A SYSTEM
- [13] FIRE ALARM CALL POINT
- [14] UNDERGROUND WATER TANK CAPACITY - 200,000 LTRS

PARKING CALCULATION:-

TOTAL REQUIRED PARKING
REQUIRED PARKING = 30% OF (TOTAL B/U AREA - 15% OF TOTAL B/U AREA)
TOTAL B/U AREA = 6841.72 SQ.M
SO, REQUIRED CAR PARKING AREA = 30% OF 5815.46 SQ.M
= 1744.63 SQ.M

PROVIDED COVERED PARKING AREA (@BASEMENT+GROUND) = 1617.95 SQ.M
PROVIDED OPEN PARKING = 130.08 SQ.M
TOTAL PROVIDED PARKING = 1748.03 SQ.M

WATER TANK CALCULATION:-

TOTAL NO. OF FLATS - 48
ASSUMING 5 PERSON PER FLAT,
TOTAL NO. OF PERSON FOR FLATS = 5X48 = 240

CARPET AREA FOR HALL(@GROUND+FIRST FLOOR) = $\frac{1452.80}{2}$ = 711.96 SQ.M

ASSUMING 6 SQ.M AREA REQUIRED PER PERSON.
NO OF PERSONS = $\frac{711.96}{6}$ = 118.66 ~ 120 PERSONS

SO, TOTAL NO. OF PERSONS = 240+120 = 360 PERSONS
RESIDENTIAL WATER DEMAND @135 LPCD
REQUIRED VOLUME OF WATER TANK = 360X135 = 48600 L = 48.60 KL

OVERHEAD WATER TANK REQUIRED FOR FIRE = 25,000 L = 25.00 KL

TOTAL REQD. VOLUME OF WATER TANK = (48.60+25.0) KL = 73.60 KL

PROVIDED VOLUME OF WATER TANK = L X B X H (+FB)
= 6.88 X 9.87 X 1.52 (+0.20)
= 103.21 CU.M
= 103.21 KL

GREEN AREA CALCULATION:-

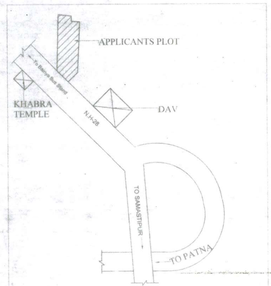
REQUIRED GREEN AREA = 10% of TOTAL PLOT AREA
= 2142.42 X 10% = 214.24 SQ.M
So, REQUIRED GREEN AREA = 214.24 SQ.M
TOTAL PROVIDED GREEN AREA = 218.54 SQ.M

RAIN WATER HARVESTING SUMP CALCULATION :-

TOTAL TERRACE FLOOR AREA = 999.38 SQ.M
RAIN WATER HARVESTING SUMP REQUIRED 6 CUM FOR EVERY 100 SQ.M TERRACE AREA
REQUIRED CAPACITY OF SUMP = 9.99X6 = 59.94 CU.M
PROVIDED CAPACITY OF SUMP = 6.00 X 3.50 X 3.00 = 63.00 CU.M

SEPTIC TANK CALCULATION:-

TOTAL NO OF PERSON = 360 PERSON
PER PERSON REQUIRED = 0.085 CU.M
TOTAL REQUIRED VOLUME OF SEPTIC TANK = 360X0.085 =30.6 CU.M
TOTAL REQUIRED CAPACITY OF SEPTIC TANK = 30.6 CU.M
TOTAL PROVIDED CAPACITY OF SEPTIC TANK = 6.00X2.50X2.50 = 37.50 CU.M



LOCATION PLAN

SCHEDULE OF DOORS & WINDOWS

S.NO	TYPE	WIDTH	SILL	HEIGHT	DESCRIPTION
01	D	1.05	0.00	2.40	SINGLE LEAF DOOR
02	D1	0.88	0.00	2.10	SINGLE LEAF DOOR
03	D2	0.80 + 0.10	0.00	2.10	SINGLE LEAF DOOR
04	D3	1.20	0.00	2.10	SINGLE LEAF DOOR
05	W	1.50	0.90	1.50	FULLY GLAZED WIN.
06	W1	1.20	1.05	1.35	FULLY GLAZED WIN.
07	W2	0.90	1.05	1.35	FULLY GLAZED WIN.
08	V	0.60	1.50	1.05	FULLY GLAZED
09	V1	0.45	1.50	1.05	FULLY GLAZED
10	SD	1.80	0.00	2.40	FULLY GLAZED SD.
11	SD1	1.50	0.00	2.40	FULLY GLAZED SD.
12	SD2	1.55	0.00	2.40	FULLY GLAZED SD.

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. T.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

AREA CALCULATION :-

TOTAL PLOT AREA	= 2142.42 SQ.M
BASEMENT B/U AREA	= 27.10 SQ.M
GROUND FLOOR B/U AREA	= 847.78 SQ.M
1ST FLOOR B/U AREA	= 976.14 SQ.M
2ND FLOOR B/U AREA	= 898.45 SQ.M
3RD FLOOR B/U AREA	= 898.45 SQ.M
4TH FLOOR B/U AREA	= 898.45 SQ.M
5TH FLOOR B/U AREA	= 898.45 SQ.M
6TH FLOOR B/U AREA	= 898.45 SQ.M
7TH FLOOR B/U AREA	= 898.45 SQ.M
TOTAL FLOOR B/UP AREA	= 6841.72 SQ.M
F.A.R.= TOTAL B/U AREA / NET PLOT AREA	= 6841.72 / 2142.42 = 3.19
TOTAL GROUND COVERAGE	= 854.02 SQ.M = 39.86% OF PLOT AREA

DEVELOPER NAME & ADDRESS:-

M\S MAA BHAWANI INFRA & DEVELOPERS,
DIRECTOR :- SRI SAILESH KUMAR
S/O :- SRI OM PRAKASH SINHA.
ADDRESS :-
FLAT NO.:-302, DURGA APARTMENT, NEAR RAJDHANI APARTMENT,
POST:-KESHRI NAGAR, MAHESH NAGAR, DIST.:- PATNA.

NAME OF LAND OWNER :-

(1) SRI OM PRAKASH, S/O:-LATE NARENDRA KUMAR SINGH.
(2) SRI VARDHAN, S/O:-SRI OMP RAKASH.

PLOT DETAILS :-

PROPOSED BUILDING FOR
M/S MAA BHAWANI INFRA AND DEVELOPERS,
AT- MAUZA- KHABRA KHATA NO - 40
SURVEY PLOT NO - 936 (P), 937(P) & 1651(P)
THANA N0 -334 THANA -SADAR DIST.- MUZAFFARPUR

BOUNDARY:-

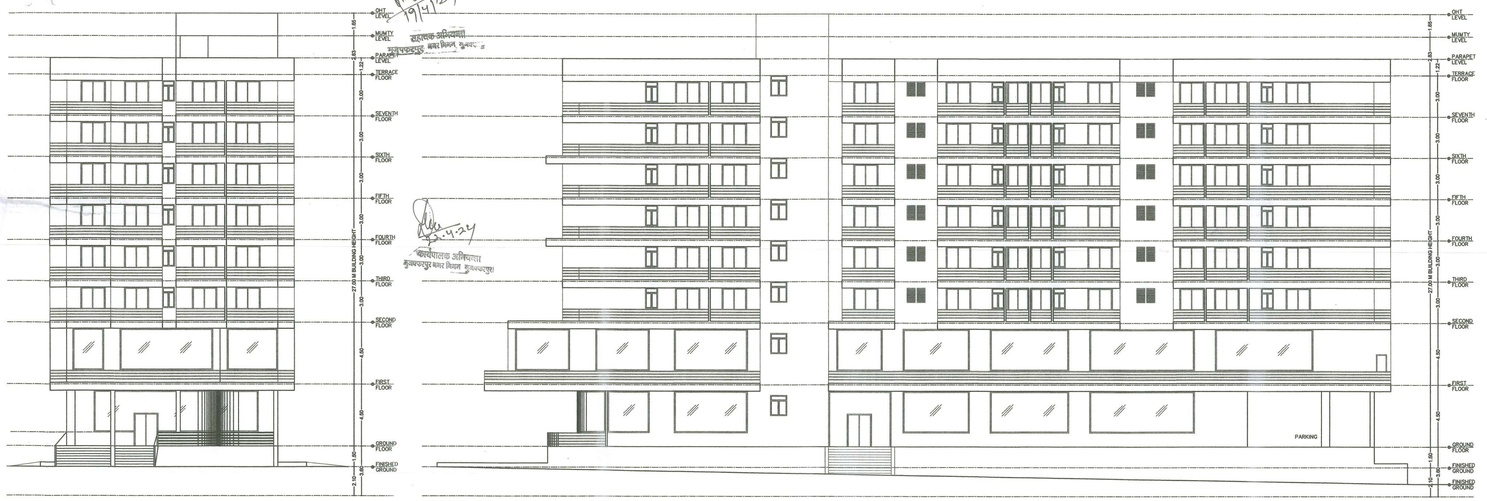
NORTH :- BASANDEO OJHA ALIAS BACHA BABU.
SOUTH :- N.H.-28
EAST :- BHARATI KUMARI & SRI PRAKASH & PLOT NO -935
WEST :-PLOT NO-939,MURLI MANOHAR OJHA & OTHERS.

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

Maa Bhawani Infra and Developers
Shailesh Kumar
Partner
SIGNATURE OF BUILDER/ DEVELOPERS

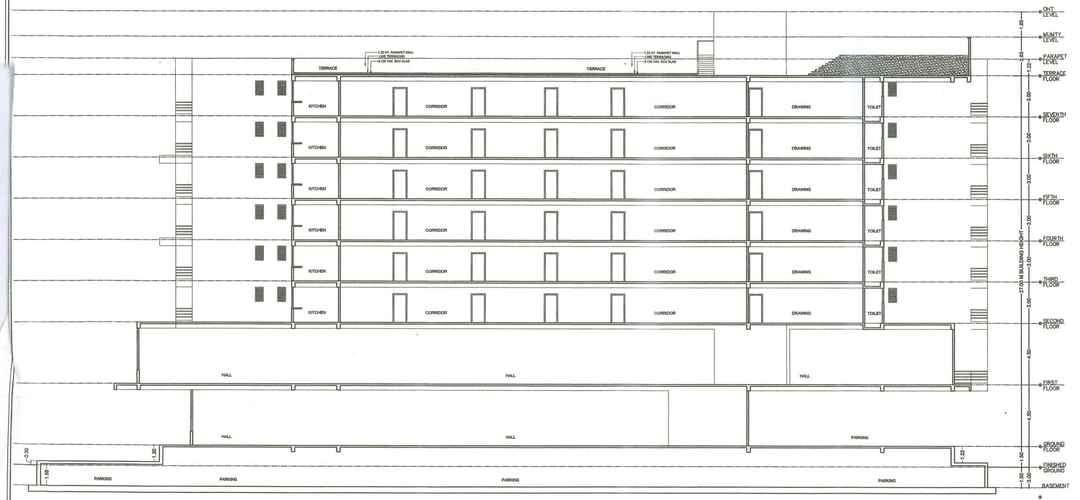
CHANDAN RANJAN
ARCHITECT
EMPANELMENT No.
CA/2017/81393
UDHD, GOVERNMENT OF BIHAR
SIGNATURE OF ARCHITECT

Omprakash.

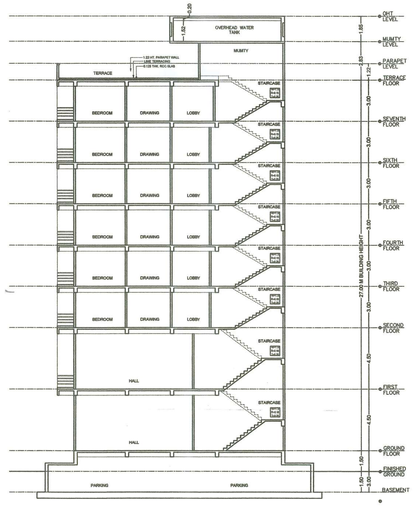


FRONT ELEVATION

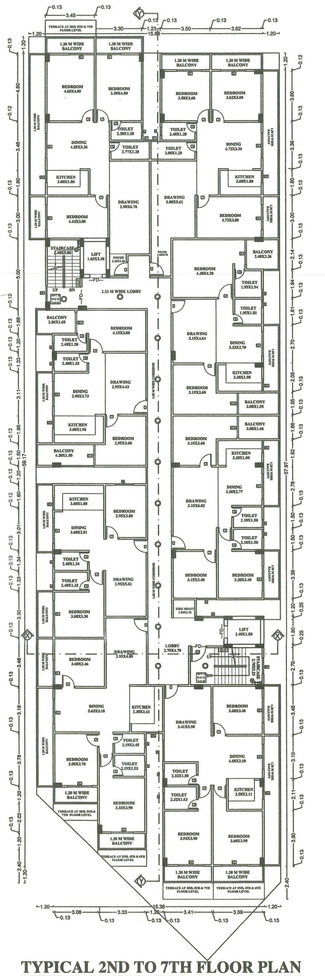
RIGHT ELEVATION



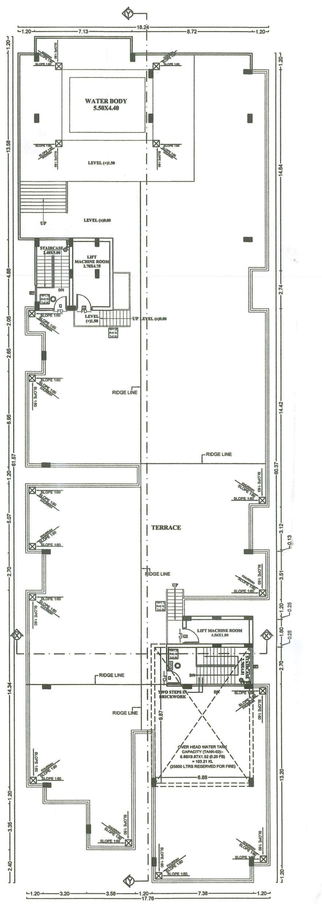
SECTION Y-Y'



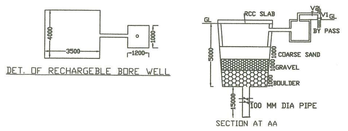
SECTION X-X'



TYPICAL 2ND TO 7TH FLOOR PLAN

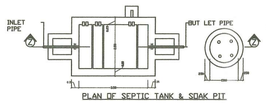


TERRACE FLOOR PLAN

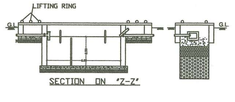


DET. OF RECHARGEBLE BORE WELL

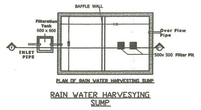
SECTION AT AA



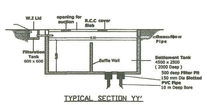
PLAN OF SEPTIC TANK & SOAK PIT



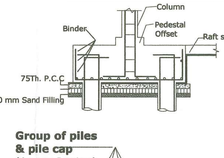
SECTION ON "Z-Z"



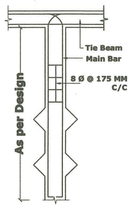
RAIN WATER HARVESYING SUMP



TYPICAL SECTION YY'



Group of piles & pile cap (As per Design)



As per Design

SCHEDULE OF DOORS & WINDOWS

S.NO	TYPE	WIDTH	SILL	HEIGHT	DESCRIPTIO
01.	D	1.05	0.00	2.40	SINGLE LEAF DO
02.	D1	0.98	0.00	2.10	SINGLE LEAF DO
03.	D2	0.90	0.00	2.10	SINGLE LEAF DO
04.	D3	1.20	0.00	2.10	SINGLE LEAF DO
05.	W	1.50	0.90	1.50	FULLY GLAZED W
06.	W1	1.20	1.05	1.35	FULLY GLAZED W
07.	W2	0.90	1.05	1.35	FULLY GLAZED W
08.	V	0.60	1.50	1.05	FULLY GLAZED
09.	V1	0.45	1.50	1.05	FULLY GLAZED
10.	SD	1.80	0.00	2.40	FULLY GLAZED S
11.	SD1	1.50	0.00	2.40	FULLY GLAZED S
12.	SD2	1.55	0.00	2.40	FULLY GLAZED S

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PLOT DETAILS :-

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M/S MAA BHAWANI INFRA AND DEVELOPERS,
AT- MAUZA:- KHABRA ,KHATA NO - 40,
SURVEY PLOT NO - 938 (P) ,937(P) & 1681(P).
THANA NO :-334 ,THANA :-SADAR ,DIST.- MUZAFFARPUR

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

Maa Bhawani Infra and Developers
Partner
SIGNATURE OF BUILDER / DEVELOPERS.

CHANDAN RANJAN
ARCHITECT
EMPANELMENT No.
CA/2017/81393
UDHD, GOVERNMENT OF BIH
SIGNATURE OF ARCHITECT