

PROPOSED RESIDENTIAL PARKING
 CAR PARKING FOR = 25%
 GROSS CAR PARKING = $2422.55 \times 25\% = 605.63 \text{ sq.m.}$
 REQUIRED TOTAL CAR PARKING AREA = 605.63 SQM

TOTAL PARKING AREA
 BESMENT FLOOR PROVIDED PARKING AREA
 = 360.61 sq.m
 GROUND FLOOR PROVIDED PARKING AREA
 = 354.01 sq.m

TOTAL PARKING 714.62 sq.m

SEPTIC TANK CALCULATION:-

PROPOSED RESIDENTIAL SEPTIC TANK
 TOTAL NO. OF FLAT = 30 NOS.
 EACH FLAT HAVING 5 PERSON
 TOTAL NO. OF PERSON = $30 \times 5 = 150 \text{ PERSON}$
 PER PERSON REQD AREA = 0.085 qb.m./day
 TOTAL REQD AREA OF SEPTIC TANK = $150 \times 0.085 = 12.75 \text{ qb.m.}$
 TOTAL REQD OF SEPTIC TANK = 12.75 qb.m.
 AREA OF SEPTIC TANK SIZE = $5.00 \times 2.00 = 10.00 \text{ qb.m.}$
 TOTAL PROVIDE AREA OF SEPTIC TANK = 20.00 qb.m.

RAIN WATER HARVESTING TANK CALCULATION:-

REQUIRED 6 cum RECHARGING PIT/ TRENCH VOLUME
 PER 100 SQM OF TERRACE AREA
 SO, TERRACE AREA = 975.65 SQM
 NEEDED VOLUME OF RECHARGING PIT =
 $(975.65) \times 6 = 73.17 \text{ CUM}$
 PROVIDED VOLUME OF RECHARGING PIT =
 $6.00 \times 3.00 \times 4.10 = 73.80 \text{ CUM}$

S.NO	TYPE	WIDTH	CILL	HEIGHT	DESCRIPTION
01	D	1.07	0.0	2.13	SINGLE LEAF DOOR
02	D	0.96	0.0	2.13	SINGLE LEAF DOOR
03	D2	0.91	0.0	2.13	SINGLE LEAF DOOR
04	D3	0.70	0.0	2.13	SINGLE LEAF DOOR
05	W	1.37	0.76	1.78	FULLY GLAZED WINDOWS
06	W1	1.22	0.76	1.78	FULLY GLAZED WINDOWS
07	W2	0.91	1.06	1.48	FULLY GLAZED WINDOWS
08	W3	0.61	4.78	0.76	FULLY GLAZED WINDOWS
09	SW	1.07	0.76	1.78	FULLY GLAZED WINDOWS
10	SD	2.44	0.00	2.54	SLIDING DOOR

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
- 06. O.H.W. TANK FOR FIRE FIGHTING
- 07. INDICATOR PANEL
- 08. FIRE ALARM CALL POINT
- 09. AUDIBLE ALARM CALL POINT
- 10. LOUDSPEAKER OUTLET
- 11. CO2 FIRE EXTINGUISHER
- 12. FIRE RESISTANT DOOR
- 13. AUTOMATIC SMOKE DETECTOR
- 14. AUTOMATIC SPRINKLER INSTALATION

PLOT AREA AS PER SITE = 883.82 SQ.M.

TOTAL B/U AREA ALL FLOOR = 2422.55 sq.m.

F.A.R. = $\frac{\text{Total B/U AREA}}{\text{Plot area}} = \frac{2422.55}{883.82} = 2.74$
 BESMENT FLOOR B/U AREA = 3.84 sq.m
 GROUND FLOOR B/U AREA = 182.57 sq.m
 1ST. FLOOR B/U AREA = 372.69 sq.m.
 2ND. FLOOR B/U AREA = 372.69 sq.m.
 3RD. FLOOR B/U AREA = 372.71 sq.m.
 4TH. FLOOR B/U AREA = 372.69 sq.m.
 5TH. FLOOR B/U AREA = 372.69 sq.m.
 6TH. FLOOR B/U AREA = 372.69 sq.m.

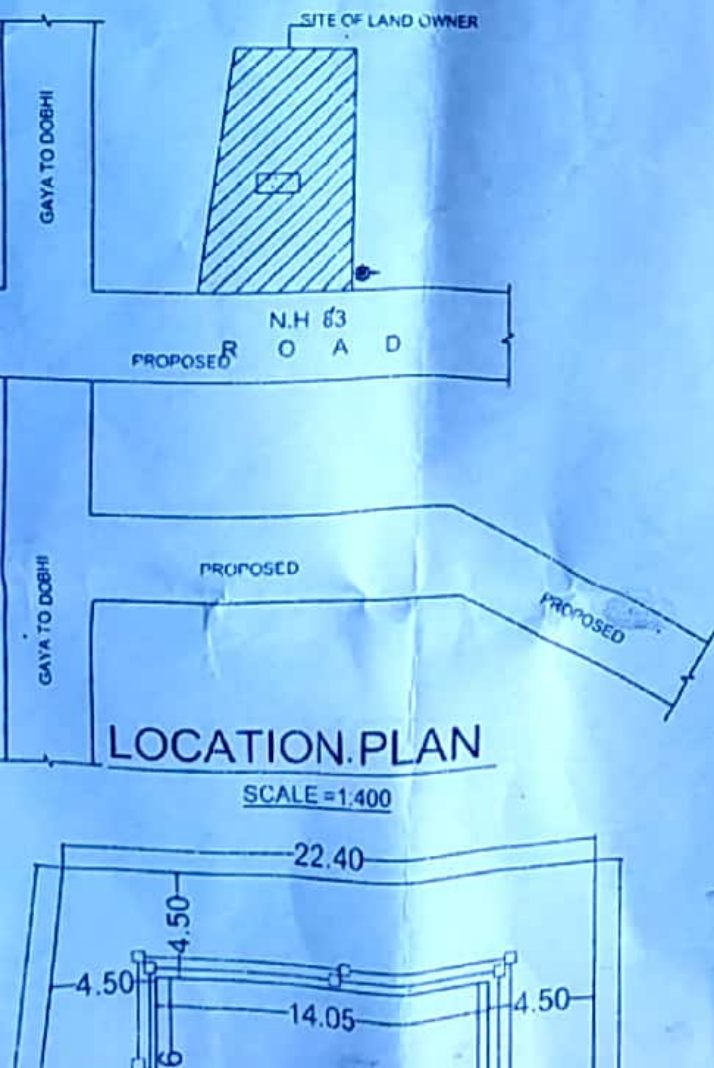
TOTAL B/U AREA ALL FLOOR = 2422.55 sq.m.

WATER TANK CALCULATION:-

PROPOSED RESIDENTIAL WATER TANK
 TOTAL NO. OF FLAT = 30 NOS.
 EACH FLAT HAVING 5 PERSON
 TOTAL NO. OF PERSON = $30 \times 5 = 150 \text{ PERSON}$
 PER PERSON REQD. AREA = 135 ltrs/day
 TOTAL REQD. AREA OF WATER TANK =
 $150 \times 135 = 20250.00 \text{ ltrs}$
 FIRE WATER TANK = 10000.0 ltrs.
 TOTAL REQD. AREA OF WATER TANK
 = $(R+F) = (20250 + 10000) = 30250 \text{ ltrs.}$
 PROVIDED AREA OF WATER TANK SIZE =
 1). $2.29 \times 5.51 \times 1.80 + 0.15 \times 1000 = 22712 \text{ LTRS.}$
 2). $1.83 \times 5.26 \times 1.80 + 0.15 \times 1000 = 17326 \text{ LTRS.}$
 TOTAL PROVIDED WATER TANK CAPACITY = 40038 LTRS.

PLOT DETAILS :-

PROPOSED BUILDING OF
 MAISONS STRUCTURE PRIVATE LIMITED
 SRI. - RAHUL RANJAN
 S/O - MR. DEBENDRAKUMAR
 SMT. - MEENA DEVI
 D/O. - SAUDAGAR SINGH
 MAUJA. - BODH GAYA
 P.S. - BODH GAYA
 THANA NO. - 359
 KHATA NO. - 739
 PLOT NO. - 8
 DIST. - GAYA (BIHAR)



LOCATION PLAN

SCALE = 1:400

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

SHEET NO. - 01	SCALE	NORTH
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