

DET. PILE FOUNDATION

WATER TANK CALCULATION

TOTAL NO. OF FLAT = 84 NOS
ONE FLAT 6 PERSON
TOTAL NO OF PERSON = 84 X 6 = 504
ONE PERSON REQU. WATER = 135 LTR./DAY
TOTAL REQU. WATER = 504 X 135 = 68040 LTR.= 68.04 CU M
PROVIDE AREA OF WATER TANK
SIZE = 3.81X2.29X2+.15=17.59 CU M
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= 3.81X2.29X2+.15=17.59 CU M

TOTAL PROVIDE AREA OF WATER TANK =70.36

SEPTIC TANK CALCULATION

TOTAL NO. OF FLAT =84 NOS
ONE FLAT 6 PERSON
TOTAL NO OF PERSON = 84X 6 = 504
ONE PERSON REQU. AREA = 0.085 CU.M./DAY
TOTAL REQU. AREA = 504X 0.085 = 42.84 CU.M./DAY
PROVIDE AREA OF SEPTIC TANK = 4X3X2 +.15 F.B =24.15 CUM
= 4X3X2 +.15 F.B =24.15 CUM

TOTAL PROVIDE OF SEPTIC TANK = 48.30 CUM

AREA STATEMENT

TOTAL PLOT AREA AS PER DEED = **00.00 SQM**
TOTAL PLOT AREA AS ON SITE = **2989.18 SQM**
AREA FOR ROAD WIDENING = **0.00 SQM**
NET PLOT AREA = **2989.18 SQM**

Block A

GROUND FLOOR B/U AREA	= 22.53 SQM
FIRST FLOOR B/U AREA	= 598.28 SQM
SECOND FLOOR B/U AREA	= 598.28 SQM
THIRD FLOOR B/U AREA	= 598.28 SQM
FOURTH FLOOR B/U AREA	= 598.28 SQM
FIFTH FLOOR B/U AREA	= 598.28 SQM
SIXTH FLOOR B/U AREA	= 598.28 SQM
TOTAL BUILT UP AREA	= 3612.21 SQM

Block B

GROUND FLOOR B/U AREA	= 22.53 SQM
FIRST FLOOR B/U AREA	= 628.82 SQM
SECOND FLOOR B/U AREA	= 628.82 SQM
THIRD FLOOR B/U AREA	= 628.82 SQM
FOURTH FLOOR B/U AREA	= 628.82 SQM
FIFTH FLOOR B/U AREA	= 628.82 SQM
SIXTH FLOOR B/U AREA	= 628.82 SQM
TOTAL BUILT UP AREA	= 3795.45 SQM

TOTAL BUILT UP AREA BLOCK A+B =
3612.21 SQM+395.45 SQM = 7407.66

F.A.R ACHIEVED = 2.48
GROUND COVERAGE = 41.05 %

PARKING CALCULATION (RESIDENCE)

TOTAL NO. OF FLATS = 84
TOTAL REQU CAR PARKING = 84 CARS
ONE CAR PARKING REQU AREA = 20 SQM.
TOTAL REQU. CAR PARKING = 20X84= 1680 SQM.
TOTAL REQU. PARKING AREA= 1680 SQM.
PROVIDE (GROUND) CAR PARKING AREA = 759.17+731.08 SQM.
= 1490.25 SQM

PARKING IN FRONT SETBACK = 237.59 SQM
TOTAL PROVIDE PARKING AREA = 1727.84 SQM.

SCHEDULE OF DOORS & WINDOWS

SL.NO	TYPE	WIDTH	HEIGHT	SILL	LINTEL	DESCRIPTION
1	D	1.07	2. 13	0-0	2. 13	FLUSH DOOR
2	D1	0.99	2. 13	0-0	2. 13	FLUSH DOOR
3	D2	0.91	2. 13	0-0	2. 13	FLUSH DOOR
4	D3	0.76	2. 13	0-0	2. 13	FLUSH DOOR
5	W	1.83	1.38	0.91	2. 59	FULLY GLAZED
6	W1	1.37	1.38	0.91	2. 59	FULLY GLAZED
7	W2	1.37	1.38	AS PER ELEVATION		FULLY GLAZED
8	W3	1.07	1.38	0.91	2. 59	FULLY GLAZED
9	W4	1.09	1.38	0.91	2. 59	FULLY GLAZED
10	W5	0.91	1.52	1.07	2. 59	FULLY GLAZED LOUVER
11	W4	0.61	1.22	1.37	2. 59	FULLY GLAZED LOUVER
12	DW	2.59	1.38	0.91	2. 59	FULLY GLAZED LOUVER
13	DW1	2.54	1.38	0.91	2. 59	FULLY GLAZED LOUVER
14	DW2	1.91	1.38	0.91	2. 59	FULLY GLAZED LOUVER
15	DW3	1.37	1.38	0.91	2. 59	FULLY GLAZED LOUVER
16	DW4	1.35	1.38	0.91	2. 59	FULLY GLAZED LOUVER

SPECIFICATION

1. R.C.C UNDER REAMED PILE FOUNDATION AS PER DETAIL GIVEN IN THIS DRAWING.
2. 1ST CLASS BRICK WORK IN CEMENT MORTER(1:6) IN SUPER STRUCTURE.
3. HEIGHT OF PLINTH FLOOR AREA SHOWN IN SECTION.
4. 0.03 I.P.S. FLOORING OVER 0.75 DRY REMMED KHOA. , OVER FLAT BRICK SOLING OVER LOCAL SAND FILLING.
5. 0.050 TH D.P.C. ON P.L. ALL ROUND THE BUILDING.
6. 0.110 TH LIME CONCRETE OVER 0.100TH R.C.C. SLAB.
7. 0.15 TH R.C.C. BAND AT DOORS & WINDOWS OPENINGS.
8. 0.12 CEMENT PLASTER ON BOTH SIDE OF WALL.
9. WHITE & COLOUR WASH AS PER CHOICE.

FIRE LEGEND

1. HYDRANT LAYOUT VALVE WET
2. HOSE REEL
3. SEAMEGE CONNECTION FOR FIRE BRIDGE USE TO THE WET RISING SYSTEM
4. MANUAL CALL POINT 13.5X3.51
5. INDICATER PANEL
6. AREA COVERAGE BY SMOKE DETECTORS
7. FIRE ALARM CALL POINT
8. AUDIABLE WARNING DEVICE
9. FIRE EXISTINGUISHER
10. SPRINKLERS
11. OVER HEAD WATER TANK
12. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
13. F.R. DOOR
14. MICROPHONE CONNECTION
15. LOUDSPEAKER OUT LET
16. LIGHTING POINT CONNECTED TO AN EMERGENCY SYSTEM
17. GROUND HYDRANT

PLOT DETAILS .

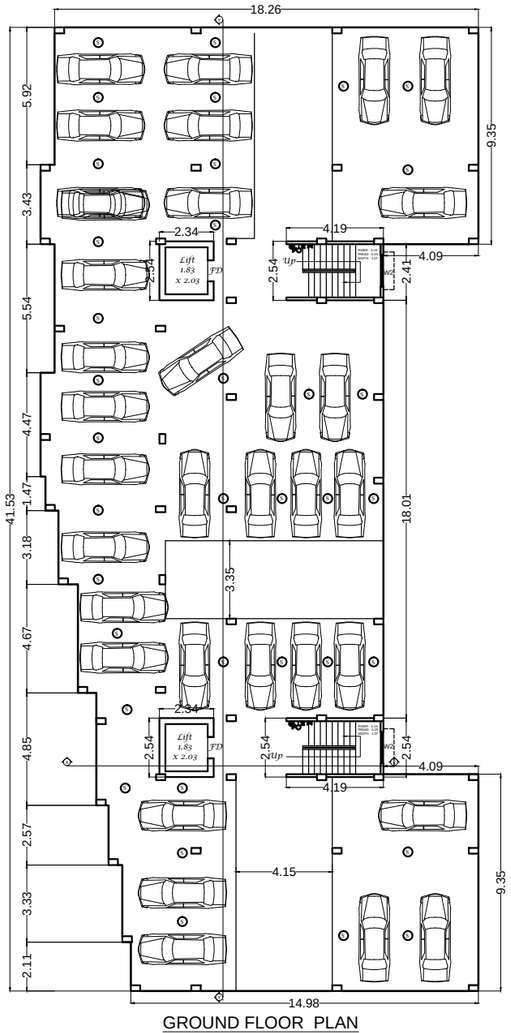
PROPOSED RAVI RESIDENCY FOR SRI RITESH RANJAN SINGH S/O- LATE MANORANJAN SINGH & SRI VAJAY KUMAR S/O- SRI PRITHVI RAJ AT KHESRA NO-1622(P),1623(P),1629(P), MAUZA - MAINPURA, THANA NO- 02, TAUZI NO- 5507, KHATA NO- 680, DIST- PATNA (DEV) SAI RESIDENCY PVT ,LTD

NORTH	SCALE	DRG.NO.
	1:100 1:200	01

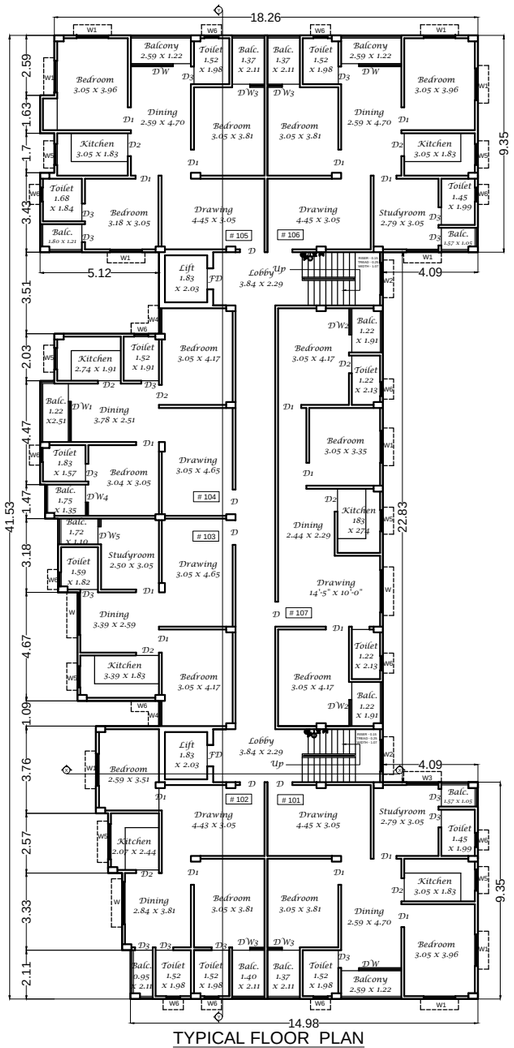
SIGN. OF OWNER | SIGN. OF ARCHITECT

LOCATION PLAN

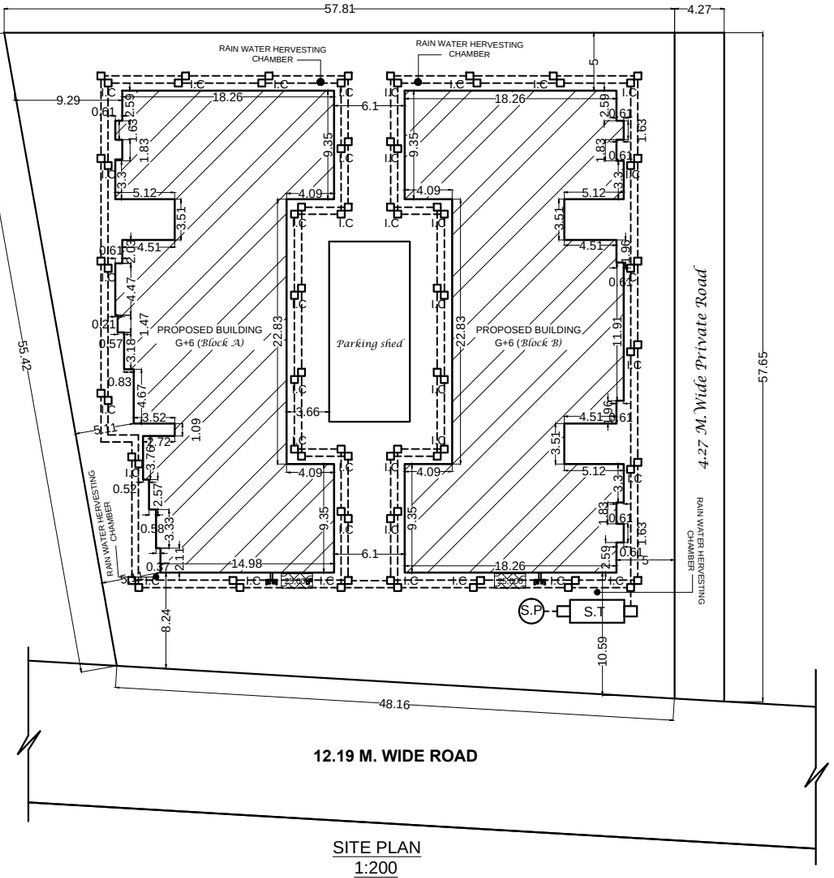
NOTE TO SCALE



GROUND FLOOR PLAN
Block A



TYPICAL FLOOR PLAN
(1ST,2ND,3RD, 4TH, 5TH & 6TH FLOOR)



SITE PLAN
1:200