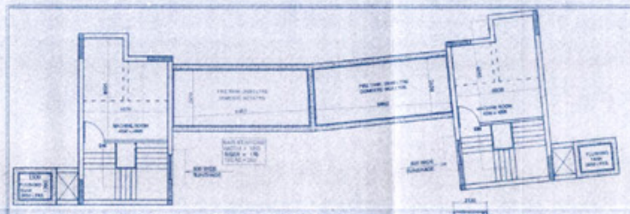
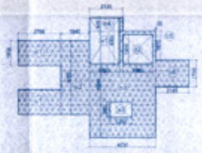


WATER TANK / MACHINE ROOM PLAN



1ST TO 4TH FLOOR CIRCULATION AREA DIAGRAM

IIa. CIRCULATION AREA CALCULATIONS

CIRCULATION AREA ON 1 ST. TO 4 TH. FLOOR

= 2 X [(c1+c2+c3+c4+c5+c6) - (x1+ x2+x3)]

= 2 X (52.498 - 10.38)

= 83.576 SQ.M

⇒ 84.216 SQ.M. ..... (IIa)

c1 = 2.780 X 1.615 = 4.457 SQ.M

c2 = 1.845 X 4.780 = 8.819 SQ.M

c3 = 4.230 X 6.890 = 29.145 SQ.M

c4 = 2.130 X 0.870 = 1.853 SQ.M

c5 = 0.030 X 1.870 = 0.056 SQ.M

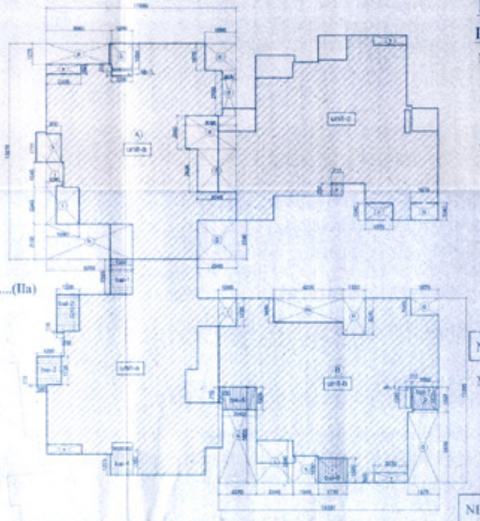
c6 = 2.145 X 1.730 = 3.711 SQ.M

x1 = 1.900 X 3.000 = 5.700 SQ.M

x2 = 1.900 X 1.900 = 3.610 SQ.M

x3 = 0.900 X 1.200 = 1.08 SQ.M

TOTAL CIRCULATION AREA ON1st TO 4 th. FLOOR = 84.216 SQ.M. .....(IIa)



1ST. TO 4 TH. FLOOR UNIT AREA DIAGRAM

1ST. TO 4TH. FLOOR CALCULATIONS

I. NET UNIT AREA CALCULATIONS

NET UNIT AREA OF ONE UNIT A ON 3 BED

= A - [(a+b+c+d+e+f+g+h+i+j+k+l+sh-1+x)]

= 152.765 - 51.347

= 101.418 SQ.M.

⇒ 101.418 SQ.M. .....(A)

A = 11.550 X 13.215 = 152.765 SQ.M

a = 3.960 X 1.275 = 5.049 SQ.M

b = 1.295 X 1.560 = 2.020 SQ.M

c = 1.695 X 1.870 = 3.165 SQ.M

d = 0.855 X 2.750 = 2.351 SQ.M

e = 3.090 X 2.050 = 6.345 SQ.M

f = 2.345 X 2.835 = 6.179 SQ.M

g = 2.345 X 2.390 = 5.605 SQ.M

h = 5.255 X 2.155 = 11.325 SQ.M

i = 1.990 X 2.245 = 4.468 SQ.M

j = 1.040 X 1.545 = 1.607 SQ.M

k = 0.900 X 1.735 = 1.562 SQ.M

x = 2.105 X 0.600 = 1.263 SQ.M

sh-1 = 1.295 x 0.315 = 0.408 SQ.M

NET UNIT AREA OF ONE UNIT = 101.418 SQ.M .....(A)

NET UNIT AREA OF ONE UNIT C ON 3 BED

= NET UNIT AREA OF UNIT B - v

= 101.433 - 0.536

= 100.897 SQ.M

⇒ 100.897 SQ.M. .....(C)

v = 0.715 X 0.750 = 0.536 SQ.M

NET UNIT AREA OF ONE UNIT C = 100.897 SQ.M. .....(C)

NET UNIT AREA OF ONE UNIT B ON 3 BED

= B - [(l+m+n+o+p+q+r+s+t+u+sh1+y)]

= 150.696 - 49.263

= 101.433 SQ.M

⇒ 101.433 SQ.M. .....(B)

B = 13.330 X 11.305 = 150.695 SQ.M

l = 1.085 X 1.720 = 1.866 SQ.M

m = 4.230 X 1.490 = 6.303 SQ.M

n = 1.335 X 2.240 = 2.990 SQ.M

o = 1.670 X 1.040 = 1.737 SQ.M

p = 1.550 X 1.525 = 2.379 SQ.M

q = 1.875 X 4.330 = 8.119 SQ.M

r = 1.735 X 1.500 = 2.603 SQ.M

s = 1.545 X 1.640 = 2.534 SQ.M

t = 2.245 X 2.590 = 5.815 SQ.M

u = 2.270 X 5.855 = 13.291 SQ.M

y = 2.030 X 0.600 = 1.218 SQ.M

sh1 = 0.315 X 1.295 = 0.408 SQ.M

NET UNIT AREA OF ONE UNIT B = 101.433 SQ.M. .....(B)

NET UNIT AREA OF 1ST TO 4 TH. FLOOR

= 2 X [(2 X AREA OF UNIT A) + AREA OF UNIT B + AREA OF UNIT C]

= 2 X (202.836 + 101.433 + 100.897)

= 810.332 SQ.M

⇒ 810.332 SQ.M. .....(Ia)

TOTAL NET UNIT AREA OF FOUR UNIT ON (1st. TO 4 th.) FLOOR = 810.332 SQ.M. .....(Ia)

IIIa. BALCONY AREA CALCULATIONS

Total balcony area of one unit A

Bal 1 = 1.200 X 2.155 = 2.586 SQ.M

Bal 2 = [1.200 X 2.245] + [0.250 X 0.115] = 2.744 SQ.M

Bal 3 = [1.200 X 1.735] + [0.300 X 0.115] = 2.115 SQ.M

Bal 4 = [1.085 X 1.560] + [0.115 X 0.475] = 1.639 SQ.M

Total balcony area of one unit B & C = Bal 5 + Bal 6 + Bal 7

= 5.323 SQ.M

Bal 5 = [2.040 X 1.200] + [0.230 X 0.770] = 2.625 SQ.M

Bal 2 = [1.200 X 2.245] + [0.250 X 0.115] = 2.744 SQ.M

Bal 6 = 1.735 X 1.200 = 2.082 SQ.M

Bal 7 = 1.580 X 1.200 = 1.872 SQ.M

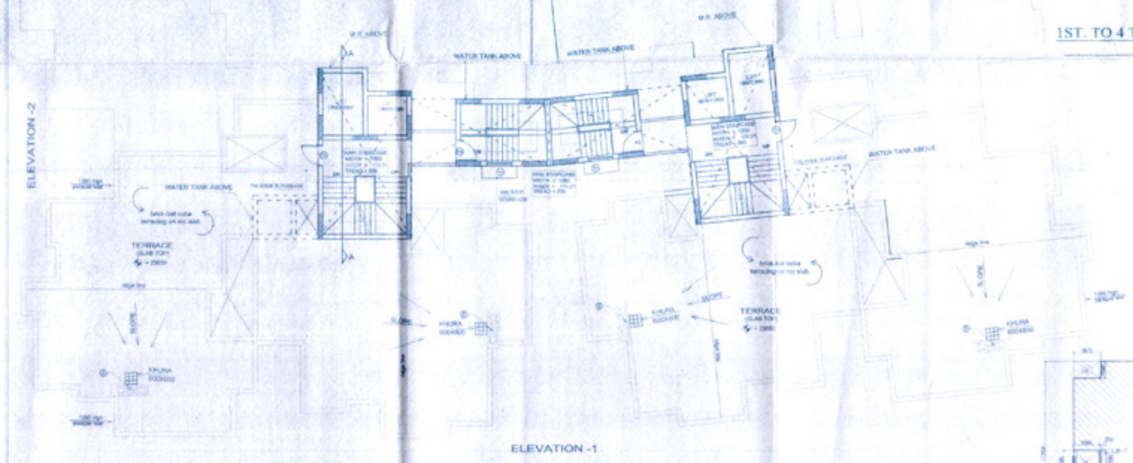
TOTAL BALCONY AREA OF ONE TYPICAL FLOOR

= 2 X [(2 X BAL. AREA OF UNIT A) + BAL. AREA OF UNIT B + BAL. AREA OF UNIT C]

= [(2 X9.286) + (2X9.323)]

= 37.218 SQ.M

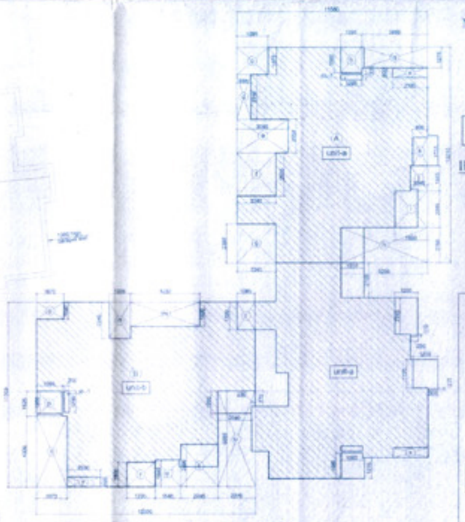
⇒ 74.437 SQ.M. .....(IIa)



ELEVATION -2

ELEVATION -1

TERRACE FLOOR PLAN



FIFTH FLOOR UNIT AREA DIAGRAM

NET UNIT AREA ON FIFTH FLOOR CALCULATIONS

= NET UNIT AREA ON 1st. TO 4 th. FLOOR - [NET UNIT AREA OF UNIT C]

= 810.332 - 100.897

= 709.435 SQ.M.

⇒ 709.435 SQ.M. .....(Ib)

NET UNIT AREA ON FIFTH FLOOR = 709.435 SQ.M. .....(Ib)

Ibb. BALCONY AREA OF FIFTH FLOOR CALCULATIONS

TOTAL BALCONY AREA OF FIFTH FLOOR

= [(2 X BAL. AREA OF UNIT A) + BAL. AREA OF UNIT B]

= [(2 X 9.285) + 9.323]

= 27.893 SQ.M.

⇒ 27.893 SQ.M. .....(Ibb)

NET UNIT AREA ON SIXTH FLOOR CALCULATIONS

= NET UNIT AREA ON FIFTH FLOOR - [NET UNIT AREA OF UNIT C] + [2 X w1]

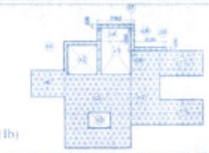
= 709.435 - 100.897 + 3.528

= 612.066 SQ.M.

⇒ 612.066 SQ.M. .....(Ic)

w1 = 4.410 X 0.400 = 1.764 SQ.M

NET UNIT AREA ON SIXTH FLOOR = 612.066 SQ.M. .....(Ic)



FIFTH FLOOR CIRCULATION AREA DIAGRAM

CIRCULATION AREA ON FIFTH FLOOR

= Circulation area on 1st TO 4 th. + (c7 + c8 + c9)

= 84.216 + 1.353

= 85.569 SQ.M

⇒ 85.569 SQ.M. .....(IIb)

c7 = 2.360 X 0.230 = 0.543 SQ.M

c8 = 0.230 X 1.490 = 0.343 SQ.M

c9 = 2.030 X 0.230 = 0.467 SQ.M

TOTAL CIRCULATION AREA ON FIFTH FLOOR = 85.569 SQ.M. .....(IIb)

SIXTH FLOOR CIRCULATION AREA DIAGRAM

CIRCULATION AREA ON SIXTH FLOOR

= Circulation area on fifth floor + (c7 + c8 + c9)

= 85.569 + 1.353

= 86.922 SQ.M.

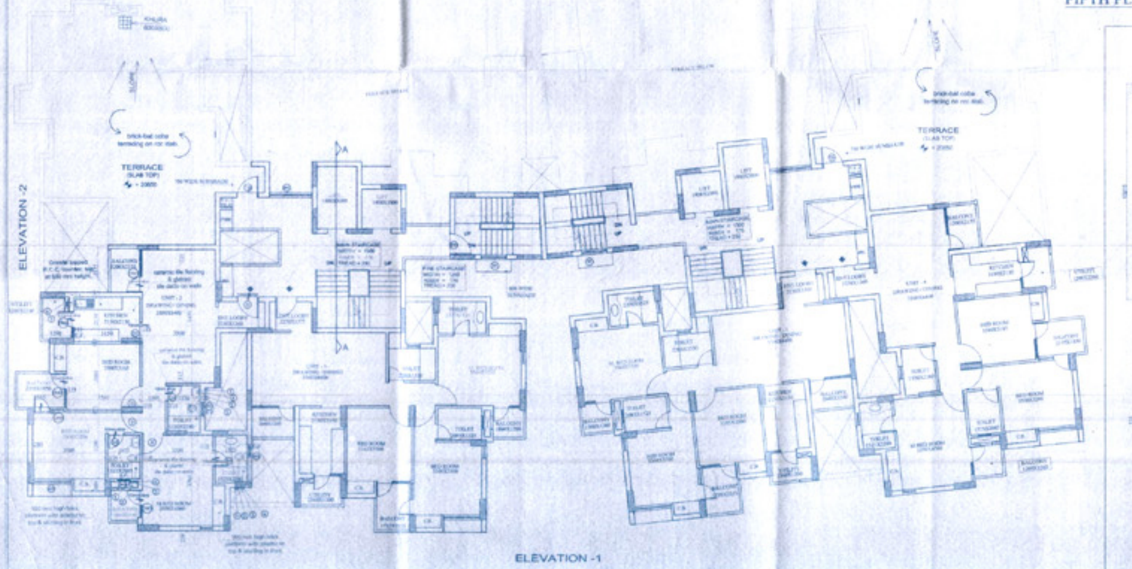
⇒ 86.922 SQ.M. .....(IIc)

c7 = 2.360 X 0.230 = 0.543 SQ.M

c8 = 0.230 X 1.490 = 0.343 SQ.M

c9 = 2.030 X 0.230 = 0.467 SQ.M

TOTAL CIRCULATION AREA ON SIXTH FLOOR = 86.922 SQ.M. .....(IIc)



ELEVATION -2

ELEVATION -1

7 TH. FLOOR PLAN

Icc. BALCONY AREA OF FIFTH FLOOR CALCULATIONS

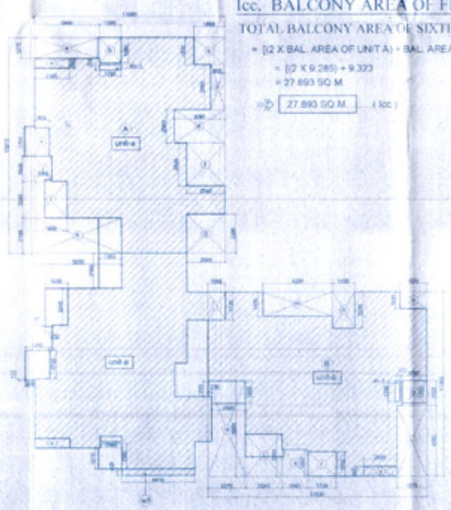
TOTAL BALCONY AREA OF SIXTH FLOOR

= [(2 X BAL. AREA OF UNIT A) + BAL. AREA OF UNIT B]

= [(2 X 9.285) + 9.323]

= 27.893 SQ.M.

⇒ 27.893 SQ.M. .....(Icc)



SIXTH FLOOR UNIT AREA DIAGRAM

7TH. FLOOR CIRCULATION AREA DIAGRAM

CIRCULATION AREA ON SEVENTH FLOOR

= Circulation area on sixth floor + 2 x (c10 + c11 + c12 +c13)

= 86.922 + 4.936

= 91.858 SQ.M

⇒ 91.858 SQ.M. .....(Id)

c10 = 0.230 X 2.505 = 0.576 SQ.M

c11 = 4.605 X 0.230 = 1.059 SQ.M

c12 = 0.230 X 1.260 = 0.290 SQ.M

c13 = 2.360 X 0.230 = 0.543 SQ.M

TOTAL BALCONY AREA OF 7TH FLOOR

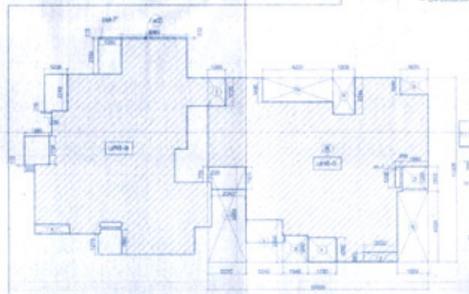
= [BAL. AREA OF UNIT A + BAL. AREA OF UNIT B]

= 9.285 - 0.138 + 9.323

= 18.746 SQ.M

⇒ 18.746 SQ.M. .....(Id)

Bal 7 = 1.200 X 0.115 = 0.138 SQ.M



SEVENTH FLOOR UNIT AREA DIAGRAM

NET UNIT AREA ON SEVENTH FLOOR CALCULATIONS

= NET UNIT AREA ON SIXTH FLOOR - [2 X NET UNIT AREA OF UNIT A] + [2 X (w1) + w2]

= 612.066 - 202.836 + 3.963

= 413.668 SQ.M

⇒ 413.668 SQ.M. .....(Id)

w1 = 4.410 X 0.400 = 1.764 SQ.M

w2 = 3.960 X 0.115 = 0.455 SQ.M

NET UNIT AREA ON SEVENTH FLOOR = 413.668 SQ.M. .....(Id)

FAR AREA FROM 1ST TO 4TH FLOOR = 810.332 SQ.M. .....(IVa)

FAR AREA ON 5TH FLOOR = 709.435 SQ.M. .....(IVb)

FAR AREA ON 6TH FLOOR = 612.066 SQ.M. .....(IVc)

FAR AREA ON 7TH FLOOR = 413.668 SQ.M. .....(IVd)

TOTAL FAR AREA = 2545.501 SQ.M. .....(IV)

DOOR & WINDOW SCHEDULES

NAME	SIZE	QTY.	UNITS	REMARKS
D1	1000 X 2100		2100	ENT. / BED ROOMS
D2	800 X 2100		2100	KITCHEN
D3	750 X 2100		2100	TOILET / BALCONY
FD	1000 X 2100		2100	FIRE STAIRCASE
DWD	2040 X 1410	100	2510	DRAWING/DINING
DWD	1600 X 1410	100	2510	BED ROOM
DWD	1200 X 1410	100	2510	M. BED ROOM
DWA	1055 X 1410	100	2510	UTILITY
DWD	1455 X 1410	100	2510	BED ROOM
W	1200 X 1410	1000	2510	STAIRCASE
W1	1850 X 1760	750	2510	BEDROOM
W2	600 X 1760	750	2510	BEDROOM
W3	600 X 1050	1500	2100	TOILET
W4	2030 X 1410	1000	2510	PASSAGE

FIRE SECOND

LOCATION PLAN

SCALE - N.T.S

PLOT AREA

REFERENCE

TITLE

REVISED PLAN FOR RESIDENTIAL APARTMENT

BHAGGANGA RESIDENCY ON A LAND BEARING KHASRA No. 55, SITUATED AT MAHAJA - CIVIL LINES, MATHURA, TEH. & DISTT. MATHURA

OWNERS

1. SH. JAGAT PAL SINGH S/o LATE SH. DHARM SINGH
2. SH. SURYA PAL SINGH S/o LATE SH. DHARM SINGH

POWER OF ATTORNEY HOLDER

SHRI SANJAY SISSODIA S/o SHRI ROHTAN SINGH

N

OWNER'S SIGN

ARCHITECTS

R.K.& ASSOCIATES

ROHIT GARG
CA/90/17566