Provisional Fire Clearance **(Above 15 Mtr. Height)**

Letter No ·····543·····/

OFFICE OF THE STATE FIRE OFFICER-CUM-DIRECTOR, BIHAR, PATNA.

From,

Pankaj Sinha,
State Fire Officer,
Bihar, Patna.

To,

Ar, Danish Siddiqui,
Radical Design Studio,
M.R.D.A LIC No-B-18/2015,
Tilak Maidan, Muzaffarupr.

Patna Dt. 31.10.2019.

Sub :- The views regarding proposed Residential building of above 15 mtr. In height to be constructed at Mauza- Rajju Shah Lane, Dist-Muzaffarpur.

Sir,

Please refer to your letter no. B-18/02/03/06/2018 dt. - 28/12/2018 through which this aforesaid plan has been sent to us for examination, which was examined by the Fire Service committee.

During examination of the plan it was found that a Block (G+3)(G+9) Total B/U area- 68832.35 Sqmtr.), Residential building, shall be constructed on 60 feet wide road belongs to ASHA VIHAR PROPERTIES PVT. LTD, M. Director- Ashwini Kumar Gupta , S/o- Late Shivnath Prasad, Khata no-985,783, Khesra no-2800,2801, 2799,2698,2697,Thana no-482, Thana-Ahiyapur, Mauza- Rajju Shah Lane, Dist-Muzaffarpur.

We clear the plan after giving following advice/suggestions/recommendations based on NBC guideline, local building by laws & the local circumstances which must be followed by the concerned Architect/Developer/Land owner as the case may be.

i) **Construction :**

a) The whole construction of the proposed building shall be carried out as per approved plan drawing conforming the relevant building rules of local Municipal Corporation as per Bihar building bye laws, 2014.
b) The floor area exceeds 750 m^2 shall be suitably compartmented by separation walls up to ceiling level having at least two hours Fire resisting capacity.
c) The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
d) Provision of ventilation at the crown of the central core-duct of the building shall be provided.
e) Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

ii) **Open Space & Approach :**

a) The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire appliance with turning facility.
b) The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 20 M.T.
c) The width and height of the access gates into the premises shall not be less than 4.5 M and 5M respecting abutting the road.

iii) **Stair Case :-**

a) The Staircase of the building shall be enclosed type. Entire construction shall be made of brick / R.C.C. type having Fire resisting capacity not less than 4 hours respectively marked in the plan.
b) The Staircase of the building shall have permanent vents at the top equal to 5% of the cross sectional area of the staircase enclosures and openable sashes at each floor level equal to 15% of the said cross section are shall have to be provided in the external wall of the building.
c) All the Staircase of the building shall be negotiable to each other in each floor without entering into any room and shall be extended up to respective terrace. The roof of the Stair wall shall be 1M above the surrounding roof area.
d) The width of the Staircases and corridor and travel distance of different categories of occupancies shall have to confirm the relevant building rules.
e) In case of two staircase, one must be on outer wall.
f) Both staircase are not went down to basement floor, for approach to basement, there should be another staircase for approach.

iv) **LIFT :-**

a) The walls of the Lift enclosure of the building shall be at least two hours Fire resisting type respectively marked in the plan with the event at top of area not less than 0.2 m^2.

b) The lift of the building shall be designed at high speed "Fire Lift" and conspicuously indicated marked in the plan.

c) In case of failure of normal electric supply, it shall automatically trip over to alternate supply. For apartment houses these change over of supply could be done through manually operated change over switch. Alternatively, the lift shall be so wired that in case of power failure, it comes down at the ground level land comes to stand still with door open.

d) Arrangement shall be provided for extraction of smoke in all the lift shaft by incorporation smoke venting system designed to permit 30 Air changes per hour in case of Fire and shall be of such design as to operate on actuation of sprinkler or Fire Alarm. In case of failure of normal electric supply. It shall automatically trip to alternate supply.

e) All other requirements shall conform the I.S. specification including the communication facility in the lift cars connecting with the Fire Control Room of the building.

v) That active Fire protection system such as down comer system with landing valve and hose reel at each floor incorporated with 450 LPM pump at Terrace level, ISI marked Fire extinguishers as per I.S 2190/1992, F.R. check door, manual call alarm point, Fire safety luminescent sign & other Fire precautionary measures as mentioned in NBC be provided before occupancy.

vi) That an underground water static tank of not less than 50,000 Ltrs. capacity with automatic refilling arrangements prefebly on front side where Fire Brigade vehicles can reach easily & overhead water static tank of not less than 10,000 Ltrs. capacity each blocks should be made available before occupancy.

vii) That the internal finishing shall be non-combustible or class - I surface spread of flame.

viii) That electric cables must be shield at each floor with intumescent coating .

ix) That Fire exit drill be carried out regularly at least twice in a year after occupation.

x) That the building must be constructed on at least 20 feet wide road and it is responsibility of the concerned Architect to be ensure the road width because he is the passing authority.

xi) That AMC should be given to a qualified firm or person for the maintenance of above recommended Fire equipments.

xii) That the setback shall be checked by the Architect / Passing authority as per the established rule. If any thing wrong , the Architect / Passing authority shall be held responsible.

xiii) It is hereby made clear that in case of any legal dispute arising in future, in which above recommendations have not been complied, the responsibility will fall entirely upon the Developers/ Architect/ Landowner as the case may be and not on the recommending Govt. authority (i.e. the office of the State Fire Office, Bihar).

xiv) It is hereby made also clear that this office (i.e. the office of the State Fire Officer-cum-Director, Bihar, Patna) is not responsible for any legal dispute of the land upon which the proposed building shall be constructed.

xv) Set backs on all the sides adheres to the provisions for the fire safety as per bye laws. Whereas immediately beneath this area in the basement is adhering to the bye laws will be examined by the concerned Urban local bodies.

This shall be treated as provisional. On compliance of all the above Fire and Life Safety recommendations, this office shall be approached for necessary inspection and testing of the installation, Final approval in favour of the occupancy shall be issued on being satisfied with the tests and performances of safety aspects of installation of the building.

N.B. - Any deviation and changes the nature of use of the building in respect of the approved plan drawing without obtaining prior permission from this office, this provisional will be treated as cancelled.

The maps are being returned with sign and stamp .

Encl - As Above

Yours faithfully,

(Pankaj Sinha)
DIG, HG & FS
Cum
State Fire Officer
Bihar, Patna

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e) All other requirements shall conform the I.S. specification including the communication facility in the lift cars connecting with the Fire Control Room of the building.

v) That active Fire protection system such as down comer system with landing valve and hose reel at each floor incorporated with 450 LPM pump at Terrace level, ISI marked Fire extinguishers as per I.S 2190/1992, F.R. check door, manual call alarm point, Fire safety luminescent sign & other Fire precautionary measures as mentioned in NBC be provided before occupancy.

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19/9/19

DIG HQ & FS
Cum
State Fire Officer
Bihar, Patna

UNDERGROUND FIRE WATER TANK

OVERHEAD FIRE WATER TANK

DOMESTIC WATER TANK

PROJECT DETAILS

PROPOSED PLAN OF HOUSING APARTMENT BUILDINGS TO BE CONSTRUCTED BY: ASHA VIHAR PROPERTIES PVT. LTD.
AT - HAJU SHAH LANE POST - RAMNA P. S. - MITHANPURA ,
DISTT. - MUZAFFARPUR
THROUGH- MANAGING DIRECTOR
SRI. ASHWINI KUMAR GUPTA
S/O - LATE SHIVNATH PRASAD (NAYAK) SITE AT - VILL-
RAGAMBAHPUR KOLHUA (M.Z.)
P.S. - AHIYAPUR
THANA NO. - 483
ANCHAL - KANTI
KHATA NO. - 686 & 683
KHEWRA NO. - 2806 , 2801 , 2799 , 2800 & 2802
DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL PLOT AREA = 23435.00 SQM

BASEMENT PARKING AREA = 15196.70 SQM
BASEMENT CORE (LIFT & other) AREA = 1722.96 SQM
BASEMENT E.S.S. AREA = 704.55 SQM
BASEMENT FLOOR TOTAL (SUJ AREA) = 2573.00 SQM

2nd BASEMENT AREA = 1156.14 SQM

STILT FLOOR PARKING AREA = 13462.21 SQM
STILT FLOOR GARAGE AREA = 370.00 SQM
STILT FLOOR CORE (LIFT & other) AREA = 1710.96 SQM
STILT FLOOR AREA (TOTAL) = 15185.82 SQM

TOWER 1-4 (SHE&BU) AREA = 72048.69 SQM
TOWER 5 (G+40) BU AREA = 1413.09 SQM
CLUB (G+3) BU AREA = 1351.41 SQM
KINDER GARTEN (G+2) BU AREA = 757.84 SQM

TOTAL FLOOR BU AREA (Under G+2 to G+40) = 112900.23 SQM

- TOTAL COVERED PARKING AREA = 33191.00 SQM
- % OF COVERED AREA = 39.98 %
- % OF OPEN AREA = 60.42 %
- HEIGHT OF BUILDING = 95.00 M

AREA FOR FAR CALCULATION

TOWER 1 BU AREA UNDER FAR = 15404.13 SQM
TOWER 2 BU AREA UNDER FAR = 15404.13 SQM
TOWER 3 BU AREA UNDER FAR = 19648.64 SQM
TOWER 4 BU AREA UNDER FAR = 19206.12 SQM
TOWER 5 BU AREA UNDER FAR = 1167.33 SQM
STILT BU AREA UNDER FAR (GARAGE) = 370.00 SQM
CLUB BU AREA UNDER FAR = 1206.24 SQM
KINDER GARTEN BU AREA UNDER FAR = 743.84 SQM

TOTAL BU AREA UNDER FAR = 89052.33 SQM

F.A.R. ACHIEVED = 89052.33 sqm / 23435.00 sqm = 3.80
% OF BARRIAGE AREA = 60441.09 sqm / 89052.33 sqm = 67.86 %

FIRE LEGENDS

1. HYDRANT LAYOUT VALVE WET
2. HOSE REEL
3. BRANDGE CONNECTION FOR FIRE BRIGDE (DIG III-THE WET RISING SYSTEM
4. FIRE HAND BUTTON
5. OVER HEAD WATER TANK - OF 200000 LTRS CAP LIMIT 100 LMP H/R
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. GROUND HYDRANT
8. ILLUMINATED SIGNAGES
9. FIRE SPRINKLERS
10. SMOKE DETECTOR
11. FAD
12. PO SYSTEM
13. DOWN COMER
14. E.T. SUCK
15. LIGHTING POINT CONNECTED TO AN EMERGENCY SYSTEM

APPLICANT'S SIGNATURE

SHEET - 1

SITE PLAN

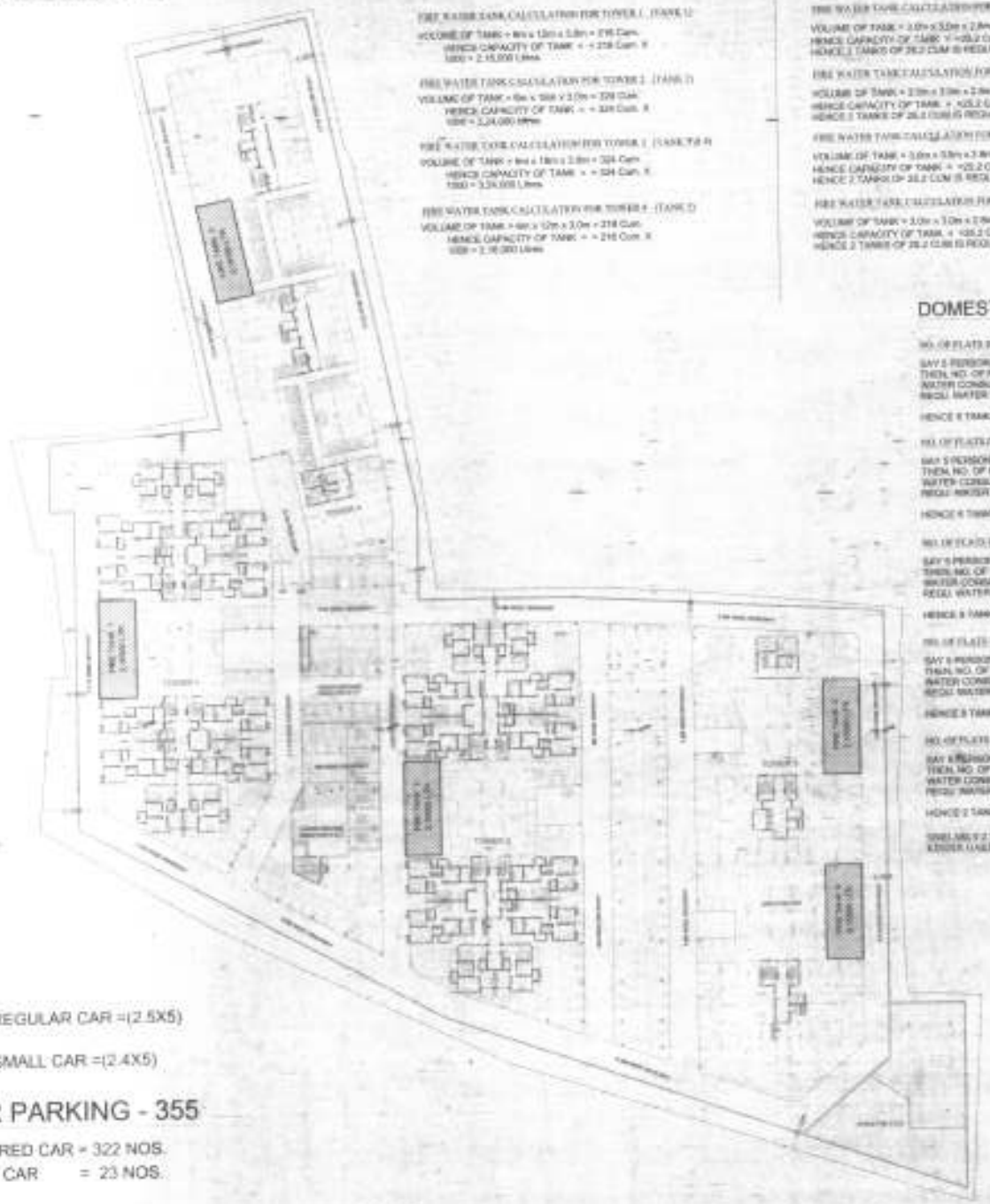
PLAN AND DESIGNED BY:-

APPROVED BY:-

30.18 M WIDE EXISTING HIGHWAY (OLD MOTIHARI ROAD)

KEY PLAN

BASEMENT PLAN



REGULAR CAR =(2.5X5)

SMALL CAR =(2.4X5)

CAR PARKING - 355

COVERED CAR = 322 NOS.
OPEN CAR = 23 NOS.

UNDERGROUND FIRE WATER TANK

FIRE WATER TANK CALCULATION FOR TOWER 1 - (TANK 1)

VOLUME OF TANK = 4m x 12m x 3.6m = 216 Cum.
HENCE CAPACITY OF TANK = = 216 Cum. X 1000 = 2,16,000 Litres

FIRE WATER TANK CALCULATION FOR TOWER 2 - (TANK 2)

VOLUME OF TANK = 6m x 16m x 3.6m = 324 Cum.
HENCE CAPACITY OF TANK = = 324 Cum. X 1000 = 3,24,000 Litres

FIRE WATER TANK CALCULATION FOR TOWER 3 - (TANK 3 & 4)

VOLUME OF TANK = 6m x 16m x 3.6m = 324 Cum.
HENCE CAPACITY OF TANK = = 324 Cum. X 1000 = 3,24,000 Litres

FIRE WATER TANK CALCULATION FOR TOWER 4 - (TANK 5)

VOLUME OF TANK = 4m x 12m x 3.0m = 216 Cum.
HENCE CAPACITY OF TANK = = 216 Cum. X 1000 = 2,16,000 Litres

OVERHEAD FIRE WATER TANK

FIRE WATER TANK CALCULATION FOR TOWER 1

VOLUME OF TANK = 3.0m x 3.0m x 2.8m = 25.2 Cum.
HENCE CAPACITY OF TANK = =25.2 Cum. X 1000 = 25,200 Litres
HENCE 2 TANKS OF 25.2 CUM IS REQUIRED TO GIVE 50,400 LTR. WATER

FIRE WATER TANK CALCULATION FOR TOWER 2

VOLUME OF TANK = 3.0m x 3.0m x 2.8m = 25.2 Cum.
HENCE CAPACITY OF TANK = =25.2 Cum. X 1000 = 25,200 Litres
HENCE 2 TANKS OF 25.2 CUM IS REQUIRED TO GIVE 50,400 LTR. WATER

FIRE WATER TANK CALCULATION FOR TOWER 3

VOLUME OF TANK = 3.0m x 3.0m x 2.8m = 25.2 Cum.
HENCE CAPACITY OF TANK = =25.2 Cum. X 1000 = 25,200 Litres
HENCE 2 TANKS OF 25.2 CUM IS REQUIRED TO GIVE 50,400 LTR. WATER

FIRE WATER TANK CALCULATION FOR TOWER 4

VOLUME OF TANK = 3.0m x 3.0m x 2.8m = 25.2 Cum.
HENCE CAPACITY OF TANK = =25.2 Cum. X 1000 = 25,200 Litres
HENCE 2 TANKS OF 25.2 CUM IS REQUIRED TO GIVE 50,400 LTR. WATER

DOMESTIC WATER TANK

NO. OF FLATS IN TOWER 1 = 81 x 5 = 135

SAY 5 PERSON PER FLAT
THEN, NO. OF PERSON = 144 x 5 = 720 PERSON
WATER CONSUMPTION PER PERSON = 135 LTR.
REQU. WATER TANK CAPACITY= 108 x 135 LTR. = 97,200 LTR.

HENCE 6 TANKS OF CAPACITY 16.2 CUM IS REQUIRED ON TOWER 1

NO. OF FLATS IN TOWER 2 = 81 x 5 = 135

SAY 5 PERSON PER FLAT
THEN, NO. OF PERSON = 144 x 5 = 720 PERSON
WATER CONSUMPTION PER PERSON = 135 LTR.
REQU. WATER TANK CAPACITY= 108 x 135 LTR. = 97,200 LTR.

HENCE 6 TANKS OF CAPACITY 16.2 CUM IS REQUIRED ON TOWER 2

NO. OF FLATS IN TOWER 3 = 72 x 5 = 180

SAY 5 PERSON PER FLAT
THEN, NO. OF PERSON = 180 x 5 = 900 PERSON
WATER CONSUMPTION PER PERSON = 135 LTR.
REQU. WATER TANK CAPACITY= 900 x 135 LTR. = 1,21,500 LTR.

HENCE 8 TANKS OF CAPACITY 16.19 CUM IS REQUIRED ON TOWER 3

NO. OF FLATS IN TOWER 4 = 73 x 5 = 182

SAY 5 PERSON PER FLAT
THEN, NO. OF PERSON = 182 x 5 = 910 PERSON
WATER CONSUMPTION PER PERSON = 135 LTR.
REQU. WATER TANK CAPACITY= 910 x 135 LTR. = 1,22,850 LTR.

HENCE 8 TANKS OF CAPACITY 16.86 CUM IS REQUIRED ON TOWER 4

NO. OF FLATS IN TOWER 5 = 3 x 5 = 15

SAY 5 PERSON PER FLAT
THEN, NO. OF PERSON = 15 x 5 = 75 PERSON
WATER CONSUMPTION PER PERSON = 135 LTR.
REQU. WATER TANK CAPACITY= 75x 135 LTR. = 10,125 LTR.

HENCE 2 TANKS OF CAPACITY 5.06 CUM IS REQUIRED ON TOWER 5

TWO NOS.X 2 TANKS OF TOTAL 10 M3 CAPACITY FOR CLUB & KINDER GARTEN

PROJECT DETAILS

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AT - RAJJU SHAH LANE POST - KANHA P. O. - MITHANPURA
DISTT. - MUZAFFARPUR
THROUGH: MANAGING DIRECTOR
SRI. ASHWINI KUMAR GUPTA
S/O - LATE SHIVNATH PRASAD HAVING SITE AT - VILL-PAIGAMBARPUR KOLHUA (MAZ.)
P.S. - AHIYAPUR
THANA NO. - 492
ANCHAL - KANTI
KHATA NO. - 055 & 733
KHESRA NO. - 2690 , 2901 , 2799 , 2668 & 2670
DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL PLOT AREA = 22429.20 SQM

BASEMENT PARKING AREA = 16048.80 SQM
BASEMENT CORE (LIFT & STAIR) AREA = 1705.84 SQM
BASEMENT E.S.S. AREA = 154.88 SQM
BASEMENT FLOOR TOTAL BU AREA = 23757.80 SQM

Civil BASEMENT AREA = 1180.14 SQM

STILT FLOOR PARKING AREA = 13446.21 SQM
STILT FLOOR GARAGE AREA = 870.05 SQM
STILT FLOOR CORE (LIFT & STAIR) AREA = 1761.55 SQM
STILT FLOOR AREA (TOTAL) = 16100.81 SQM

TOWER 1+4 (G+8) BU AREA = 12449.97 SQM
TOWER 2+5 (G+8) BU AREA = 14115.85 SQM
CLUB (G+1) BU AREA = 1251.61 SQM
KINDER GARTEN (G+1) BU AREA = 157.94 SQM

TOTAL FLOOR BU AREA (A+B+C+D+E+F+G) = 139995.05 SQM

1. TOTAL COVERED Parking AREA = 29761.80 SQM
2. % OF COVERED AREA = 38.56 %
3. % OF OPEN AREA = 61.43 %
4. HEIGHT OF BUILDING = 30.25 M

AREA FOR FAR CALCULATION

TOWER 1 BU AREA UNDER FAR = 19424.70 SQM
TOWER 2 BU AREA UNDER FAR = 19424.70 SQM
TOWER 3 BU AREA UNDER FAR = 18859.64 SQM
TOWER 4 BU AREA UNDER FAR = 19236.11 SQM
TOWER 5 BU AREA UNDER FAR = 1197.53 SQM
STILT BU AREA UNDER FAR(GARAGE) = 870.05 SQM
CLUB BU AREA UNDER FAR = 1208.24 SQM
KINDER GARTEN BU AREA UNDER FAR = 145.58 SQM

TOTAL BU AREA UNDER FAR = 80852.55 SQM

F. A. R. ACHIEVED = 80852.55 (Area as per rule) / 22429.20 (Plot area) = 3.6
% OF PARKING AREA = 35741.75 (Parking area) / 80852.55 (Area as per rule) = 44.20 %

FIRE LEGENDS

1. SYSTEM LAWATT VALVE WET
2. HOSE REEL
3. SIAMESE CONNECTION FOR FIRE BRIGDE - CONNECTED TO THE WET RISING SYSTEM
4. FIRE EXTINGUISHER
5. OVER HEAD WATER TANK OF 25000LTRS CAPACITY
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. GROUND HYDRANT
8. ILLUMINATED SIGNAGES
10. FIRE SPRINKLERS
11. SMOKE DETECTOR
13. FPD
14. PO SYSTEM
15. DOWN COMER
16 F.S. DOOR
17. EXISTING POINT CONNECTED TO AN EMERGENCY SYSTEM

APPLICANT'S SIGNATURE

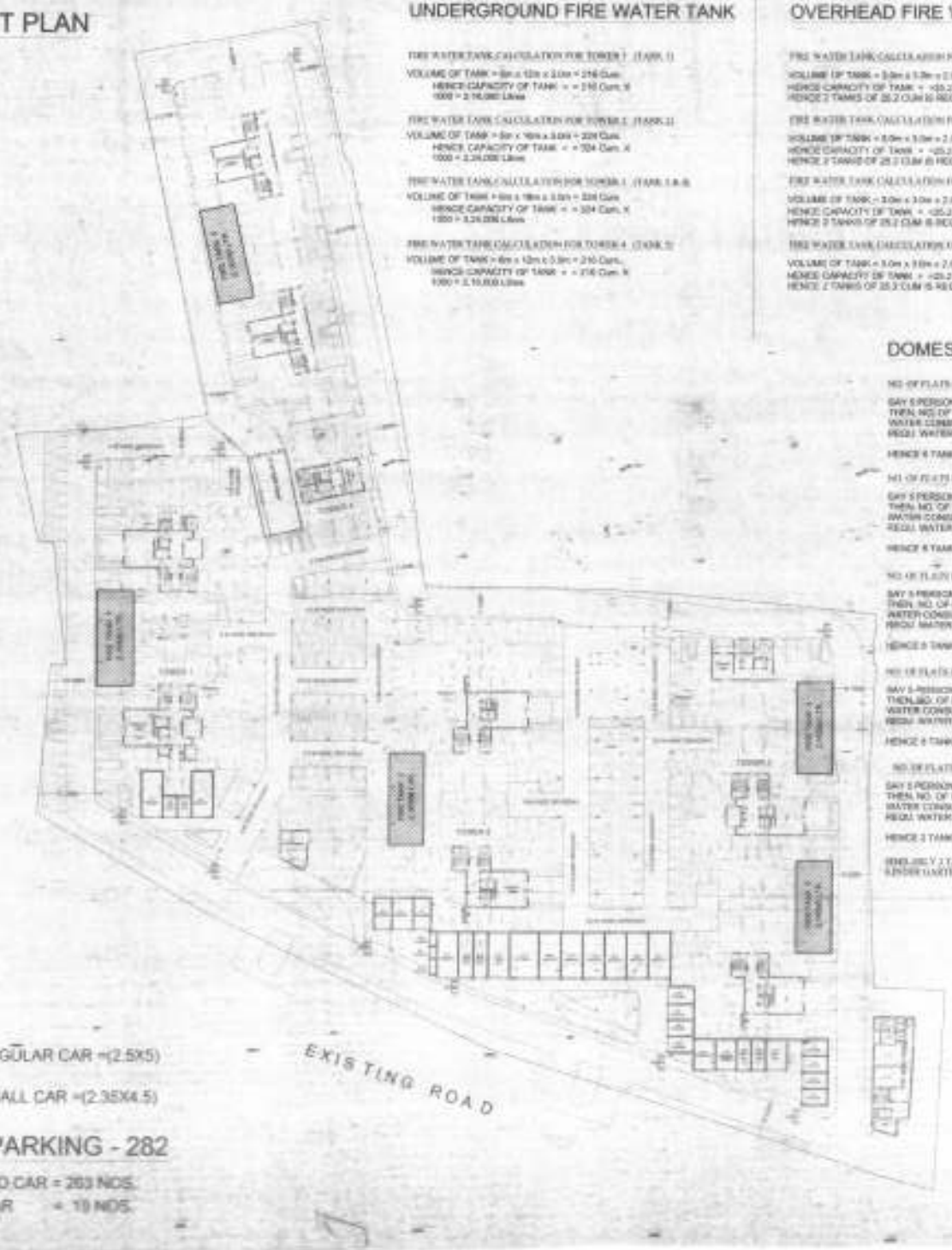
SHEET - 2

BASEMENT PLAN

PLAN AND DESIGNED BY:-

APPROVED BY:-

STILT PLAN



REGULAR CAR =(2.5X5)

SMALL CAR =(2.35X4.5)

CAR PARKING - 282

COVERED CAR = 263 NOS.

OPEN CAR = 19 NOS.

UNDERGROUND FIRE WATER TANK

FIRE WATER TANK CALCULATION FOR TOWER 1 (TANK 1)

VOLUME OF TANK = 6m x 12m x 3.0m = 216 Cum.
HENCE CAPACITY OF TANK = = 216 Cum. X
1000 = 2,16,000 Litres

FIRE WATER TANK CALCULATION FOR TOWER 2 (TANK 2)

VOLUME OF TANK = 6m x 16m x 3.0m = 324 Cum.
HENCE CAPACITY OF TANK = = 324 Cum. X
1000 = 3,24,000 Litres

FIRE WATER TANK CALCULATION FOR TOWER 3 (TANK 3 & 4)

VOLUME OF TANK = 6m x 16m x 3.0m = 324 Cum.
HENCE CAPACITY OF TANK = = 324 Cum. X
1000 = 3,24,000 Litres

FIRE WATER TANK CALCULATION FOR TOWER 4 (TANK 5)

VOLUME OF TANK = 6m x 12m x 3.0m = 216 Cum.
HENCE CAPACITY OF TANK = = 216 Cum. X
1000 = 2,16,000 Litres

OVERHEAD FIRE WATER TANK

FIRE WATER TANK CALCULATION FOR TOWER 1

VOLUME OF TANK = 5.0m x 5.0m x 2.6m = 26.2 Cum.
HENCE CAPACITY OF TANK = =26.2 Cum. X 1000 = 26,000 Litres
HENCE 2 TANKS OF 26.2 CUM IS REQUIRED TO GIVE 50,400 LTR. WATER

FIRE WATER TANK CALCULATION FOR TOWER 2

VOLUME OF TANK = 5.0m x 5.0m x 2.6m = 26.2 Cum.
HENCE CAPACITY OF TANK = =26.2 Cum. X 1000 = 26,000 Litres
HENCE 2 TANKS OF 26.2 CUM IS REQUIRED TO GIVE 50,400 LTR. WATER

FIRE WATER TANK CALCULATION FOR TOWER 3

VOLUME OF TANK = 5.0m x 5.0m x 2.6m = 26.2 Cum.
HENCE CAPACITY OF TANK = =26.2 Cum. X 1000 = 26,000 Litres
HENCE 2 TANKS OF 26.2 CUM IS REQUIRED TO GIVE 50,400 LTR. WATER

FIRE WATER TANK CALCULATION FOR TOWER 4

VOLUME OF TANK = 5.0m x 5.0m x 2.6m = 26.2 Cum.
HENCE CAPACITY OF TANK = =26.2 Cum. X 1000 = 26,000 Litres
HENCE 2 TANKS OF 26.2 CUM IS REQUIRED TO GIVE 50,400 LTR. WATER

DOMESTIC WATER TANK

NO. OF FLATS IN TOWER 1 = 16 x 9 = 144

SAY 5 PERSON PER FLAT
THEN, NO. OF PERSON = 144 x 5 = 720 PERSON
WATER CONSUPTION PER PERSON = 135 LTR.
REQU. WATER TANK CAPACITY= 720 x 135 LTR. = 97,200 LTR.

HENCE 6 TANKS OF CAPACITY 15.2 CUM IS REQUIRED ON TOWER 1

NO. OF FLATS IN TOWER 2 = 16 x 9 = 144

SAY 5 PERSON PER FLAT
THEN, NO. OF PERSON = 144 x 5 = 720 PERSON
WATER CONSUPTION PER PERSON = 135 LTR.
REQU. WATER TANK CAPACITY= 720 x 135 LTR. = 97,200 LTR.

HENCE 6 TANKS OF CAPACITY 15.2 CUM IS REQUIRED ON TOWER 2.

NO. OF FLATS IN TOWER 3 = 20 x 9 = 180

SAY 5 PERSON PER FLAT
THEN, NO. OF PERSON = 180 x 5 = 900 PERSON
WATER CONSUPTION PER PERSON = 135 LTR.
REQU. WATER TANK CAPACITY= 900 x 135 LTR. = 1,21,500 LTR.

HENCE 8 TANKS OF CAPACITY 15.19 CUM IS REQUIRED ON TOWER 3.

NO. OF FLATS IN TOWER 4 = 15 x 9 = 135

SAY 5 PERSON PER FLAT
THEN,NO. OF PERSON = 162 x 5 = 810 PERSON
WATER CONSUPTION PER PERSON = 135 LTR.
REQU. WATER TANK CAPACITY= 810 x 135 LTR. = 1,09,350 LTR.

HENCE 6 TANKS OF CAPACITY 15.66 CUM IS REQUIRED ON TOWER 4.

NO. OF FLATS IN TOWER 5 = 3 x 2 = 11

SAY 5 PERSON PER FLAT
THEN, NO. OF PERSON = 11 x 5 = 75 PERSON
WATER CONSUPTION PER PERSON = 135 LTR.
REQU. WATER TANK CAPACITY= 75x 135 LTR. = 10,125 LTR.

HENCE 2 TANKS OF CAPACITY 5.66 Cubic.M REQUIRED ON TOWER 5.

PROJECT DETAILS

PROPOSED PLAN OF HOUSING APARTMENT BUILDINGS TO BE CONSTRUCTED BY ASHA VIHAR PROPERTIES PVT. LTD
AT - RAJAI SHAH LANE POST - RAMNA P. S. - MITHANPURA
DISTT. - MUZAFFARPUR
THROUGH- MANAGING DIRECTOR
SRI. ASHWINI KUMAR GUPTA
S/O - LATE SHIVNATH PRASAD HAVING SITE AT - VILL.-
PAIGAMBARPUR KOLHUA (MUZ.)
P.S. - AHIYAPUR
THANA NO. - 682
ANCHAL - KANTI
KHATA NO. - 685 & 783
KHESRA NO. - 2697, 2697 , 2700 , 2695 & 2697
DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL PLOT AREA	=	22425.30 SQM
BASEMENT PARKING AREA	=	18345.75 SQM
BASEMENT CORE (4 NOS.) AREA	=	1722.96 SQM
BASEMENT E.S.S. AREA	=	194.65 SQM
BASEMENT FLOOR TOTAL B/U AREA	=	20187.00 SQM
2nd BASEMENT AREA	=	1158.16 SQM
a. STILT FLOOR PARKING AREA	=	12402.21 SQM
b. STILT FLOOR GARAGE AREA	=	970.00 SQM
c. STILT FLOOR CORE (4 NOS.) AREA	=	1763.36 SQM
d. STILT FLOOR AREA (TOTAL)	=	15165.57 SQM
TOWER 1-4 (S+9) B/U AREA	=	72940.68 SQM
TOWER 5 (S+9) B/U AREA	=	5413.00 SQM
CLUB (G+2) B/U AREA	=	1351.41 SQM
KINDER GARTEN (G+2) B/U AREA	=	787.84 SQM
TOTAL FLOOR B/U AREA (A+B+C+D+E+F+G)	=	115888.28 SQM
a. TOTAL COVERED PARKING AREA	=	30741.80 SQM
b. % OF COVERED AREA	=	36.38 %
c. % OF OPEN AREA	=	40.62 %
HEIGHT OF BUILDING	=	30.00 M

AREA FOR FAR CALCULATION

TOWER 1 B/U AREA UNDER FAR	=	18424.10 SQM
TOWER 2 B/U AREA UNDER FAR	=	18424.10 SQM
TOWER 3 B/U AREA UNDER FAR	=	18648.64 SQM
TOWER 4 B/U AREA UNDER FAR	=	18238.11 SQM
TOWER 5 B/U AREA UNDER FAR	=	1787.62 SQM
STILT B/U AREA UNDER FAR (GARAGE)	=	970.00 SQM
CLUB B/U AREA UNDER FAR	=	1206.24 SQM
KINDER GARTEN B/U AREA UNDER FAR	=	783.58 SQM
TOTAL B/U AREA UNDER FAR	=	99822.31 SQM
F. A. R. ACHIEVED	=	99822.31 (TOTAL B/U AREA) / 22525.30 (PLOT AREA) = 4.4
% OF PARKING AREA	=	30741.80 (COVERED AREA) / 99822.31 (TOTAL B/U AREA) = 44.86 %

FIRE LEGENDS

1. HYDRANT 3 LAYCOTT VALVE WET
2. HOSE REEL
3. SEAMESE CONNECTION FOR FIRE BRIGAD USE TO THE WET RISING SYSTEM
4. FIRE EXISTINGUISHER
5. OVER HEAD WATER TANK OF 20000LTRS CAP. UNIT 100 LMP/HR
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. GROUND HYDRANT
8. ILLUMINATED SIGNAGES
10. FIRE SPRINKLERS
11. SMOKE DETECTOR
13. FRD
14. PO SYSTEM
15. DOWN COMER
16 F.R. DOOR
17. LIGHTING POINT (CRYSTAL CEILING LAMP)
EMERGENCE'S SYSTEM

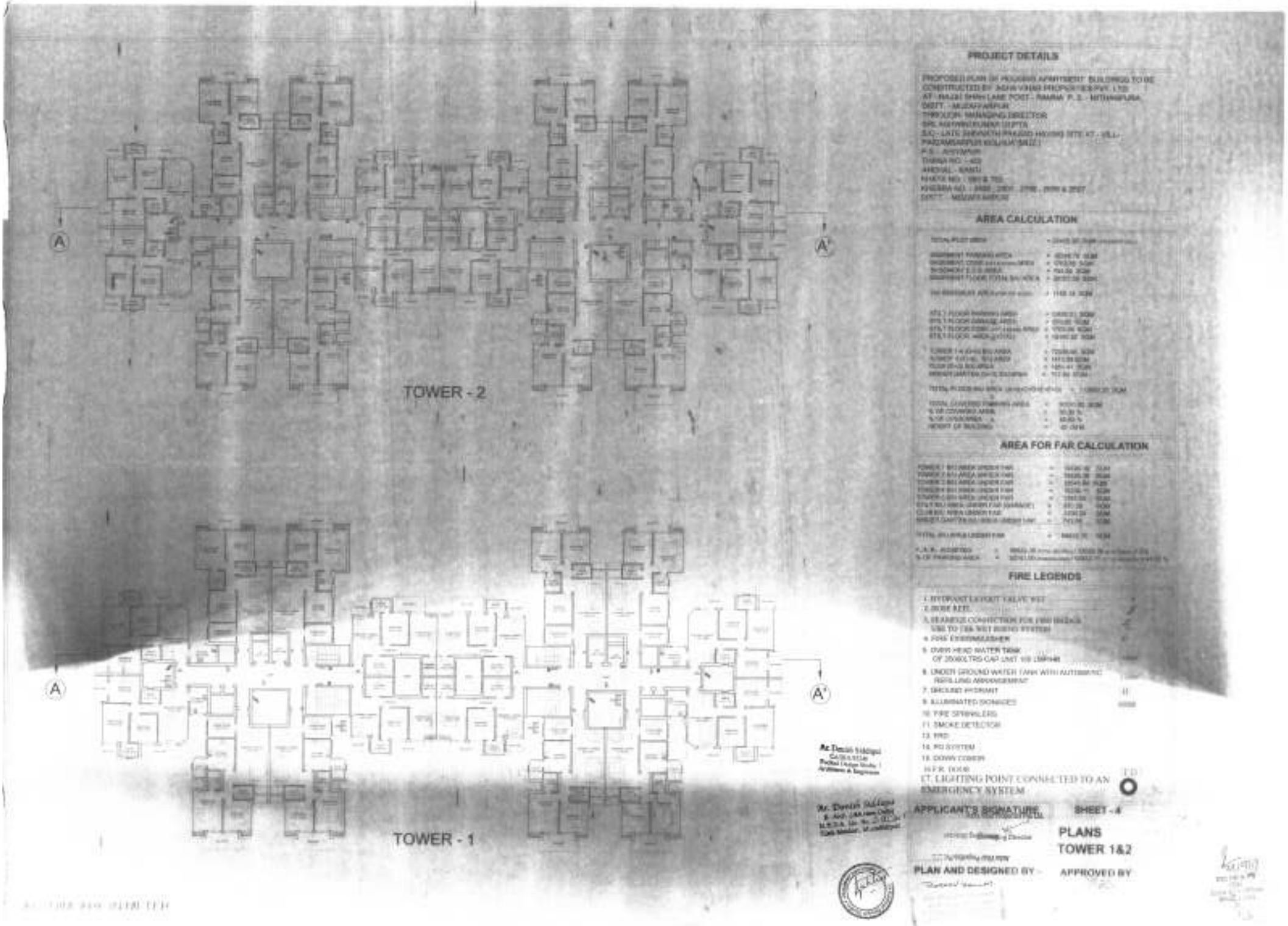
APPLICANT'S SIGNATURE

SHEET - 3

STILT PLAN

PLAN AND DESIGNED BY:-

APPROVED BY:-



PROJECT DETAILS

PROPOSED PLAN OF PROPOSED APARTMENT BUILDINGS TO BE CONSTRUCTED BY JAGAN VIHAR PROPERTIES PVT. LTD.
AT - RAJAS SHAH LANE POST - RAMNA P. S. - MITHANPURA
DISTT. - MUZAFFARPUR
THROUGH MANAGING DIRECTOR
SHRI. ABHINAV KUMAR GUPTA
S/O - LATE SHRIVATH PRASAD HAVING SITE AT - VILL-
PAKDMSARPUR KOLHUA [BRIJ.]
P.S. - AHIYAPUR
THANA NO. - 403
AREA/AL - KANTI
KHATA NO. - 1901 & 702
KHESRA NO. - 2456 , 2457 , 2758 , 2759 & 2567
DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL PLOT AREA	= [illegible] SQM
BASEMENT PARKING AREA	= [illegible] SQM
BASEMENT CORE [illegible] AREA	= [illegible] SQM
RESIDENTIAL F.S.I. AREA	= [illegible] SQM
BASEMENT FLOOR TOTAL BUA AREA	= [illegible] SQM
TOTAL BASEMENT AREA [illegible]	= [illegible] SQM
STILT FLOOR PARKING AREA	= [illegible] SQM
STILT FLOOR GARAGE AREA	= [illegible] SQM
STILT FLOOR CORE [illegible] AREA	= [illegible] SQM
STILT FLOOR AREA [illegible]	= [illegible] SQM
TOWER 1 & 2 [illegible] BUA AREA	= [illegible] SQM
SUNKEN CAFE [illegible] BUA AREA	= [illegible] SQM
FLOOR [illegible] BUA AREA	= [illegible] SQM
MEZZANINE [illegible] BUILDING	= [illegible] SQM
TOTAL FLOOR BUA AREA [illegible]	= [illegible] SQM
TOTAL COVERED PARKING AREA	= [illegible] SQM
% OF COVERED AREA	= [illegible] %
% OF OPEN AREA	= [illegible] %
HEIGHT OF BUILDING	= [illegible]

AREA FOR FAR CALCULATION

TOWER 1 BUILDING GROUND FAR	=	[illegible] SQM
TOWER 2 BUILDING GROUND FAR	=	[illegible] SQM
TOWER 2 BUILDING UPPER FAR	=	[illegible] SQM
TOWER 1 BUILDING UPPER FAR	=	[illegible] SQM
STILT BUILDING UPPER FAR	=	[illegible] SQM
STILT BUILDING (EXCEPT CAR PARKING)	=	[illegible] SQM
CLUB BUILDING UPPER FAR	=	[illegible] SQM
BASEMENT CAR PARKING BUILDING UPPER FAR	=	[illegible] SQM
TOTAL BUILDING UPPER FAR	=	[illegible] SQM

F.A.R. ACHIEVED = [illegible] SQM. / [illegible] SQM. = [illegible]
% OF PARKING AREA = [illegible] SQM. / [illegible] SQM. = [illegible] %

FIRE LEGENDS

1. HYDRANT LAYOUT VALVE WET
2. HOSE REEL
3. BRANDUZ CONNECTION FOR FIRE BRIGADE USE TO BE WET RISING SYSTEM
4. FIRE EXTINGUISHER
5. OVER HEAD WATER TANK OF 20KILOLTRS CAP. UNIT 100 LSM/HR
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. BRIGADE HYDRANT
8. ILLUMINATED SIGNAGES
10. FIRE SPRINKLERS
11. SMOKE DETECTOR
13. FRD
14. PD SYSTEM
15. DOWN COMER
16 F.R. DOOR
17. LIGHTING POINT CONNECTED TO AN EMERGENCY SYSTEM

Ar. Dinesh Siddiqui
CA/2015/1146
Certified Fellow Member
Architect & Engineer

Ar. Dinesh Siddiqui
B. Arch. (MA Hons. Delhi)
M.C.A. (Gr. No. - 2)
Delhi Member

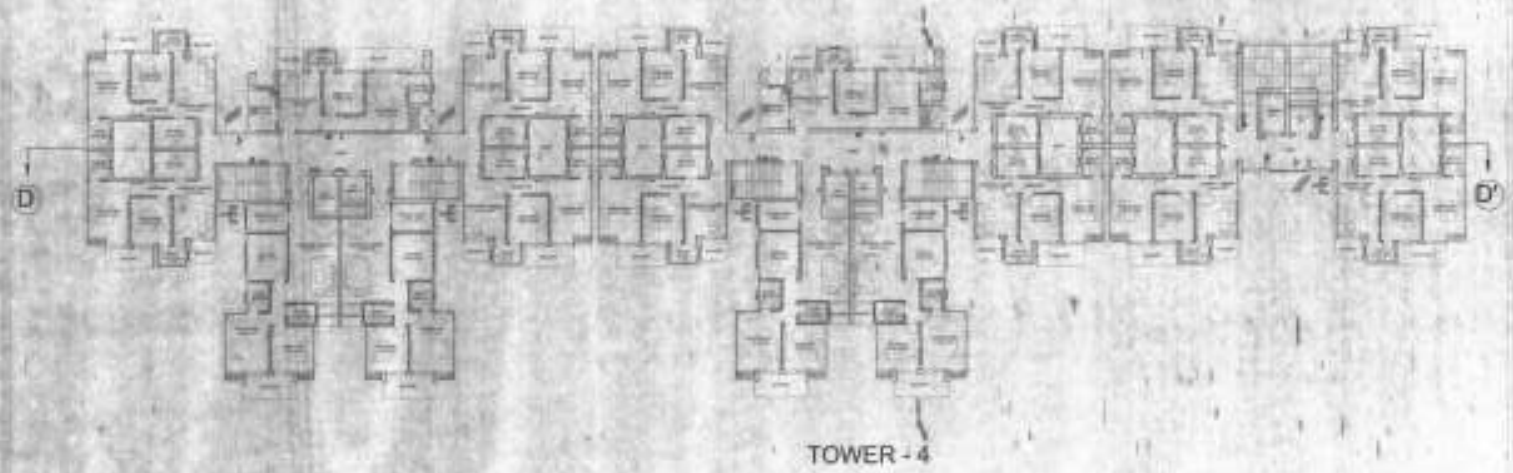
APPLICANT'S SIGNATURE

SHEET - 4

PLANS
TOWER 1&2

PLAN AND DESIGNED BY -

APPROVED BY



ALL DIM. ARE IN METER

PROJECT DETAILS

PROPOSED PLAN OF HOUSING APARTMENT BUILDINGS TO BE CONSTRUCTED BY ASHA VIHAR PROPERTIES PVT. LTD. AT - RAJJU SHAH LANE POST - RAMNA P.S. - MITHANPURA, DISTT. - MUZAFFARPUR
THROUGH- MANAGING DIRECTOR
SRI. ASHWINI KUMAR GUPTA
S/O - LATE SHIVNATH PRASAD HAVING SITE AT - VILL- PARSAMMARPUR KOLHUA (MUZ.)
P.S. - AHIYAPUR
THANA NO. - 402
ANCHAL - KANTI
KHATA NO. - 985 & 783
KHESRA NO. - 2900 , 2901 , 2799 ,2896 & 2897
DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL PLOT AREA	=	(2405.00 SQM)
BASEMENT PARKING AREA	=	1696.79 SQM
BASEMENT CORE	=	709.56 SQM
BASEMENT E.S.S. AREA	=	704.00 SQM
BASEMENT FLOOR TOTAL BU AREA	=	3677.06 SQM
2nd BASEMENT AREA	=	1159.74 SQM
STILT FLOOR PARKING AREA	=	1265.21 SQM
STILT FLOOR GARAGE AREA	=	970.00 SQM
STILT FLOOR CORE	=	1783.56 SQM
STILT FLOOR AREA (TOTAL)	=	1695.80 SQM
TOWER 1+4 (G+5) BU AREA	=	13346.06 SQM
TOWER 2+3 (G+5) BU AREA	=	14126.00 SQM
CLUB (G+2) BU AREA	=	1551.47 SQM
KINDER GARTEN (G+2) BU AREA	=	751.84 SQM
TOTAL FLOOR BU AREA (A+B+C+D+E+F+G)	=	113847.21 SQM
TOTAL COVERED AREA	=	9741.20 SQM
% OF COVERED AREA	=	35.04 %
% OF OPEN AREA	=	60.82 %
HEIGHT OF BUILDING	=	30.00 M

AREA FOR FAR CALCULATION

TOWER 1 BU AREA UNDER FAR	=	13424.10 SQM
TOWER 2 BU AREA UNDER FAR	=	13424.10 SQM
TOWER 3 BU AREA UNDER FAR	=	13946.04 SQM
TOWER 4 BU AREA UNDER FAR	=	13236.11 SQM
TOWER 5 BU AREA UNDER FAR	=	1197.59 SQM
STILT BU AREA UNDER FAR (GARAGE)	=	970.00 SQM
CLUB BU AREA UNDER FAR	=	1246.24 SQM
KINDER GARTEN BU AREA UNDER FAR	=	740.88 SQM
TOTAL BU AREA UNDER FAR	=	80932.05 SQM
F.A.R. ACHIEVED	=	(80932.05 SQM / 22525.00 SQM) = 3.59
% OF PARKING AREA	=	3041.80 SQM / 80932.05 SQM = 3.76 %

FIRE LEGENDS

1. HYDRANT LAYOUT VALVE WET
2. HOSE REEL
3. SIAMESE CONNECTION FOR FIRE BRIGADE USE TO THE WET RISING SYSTEM
4. FIRE EXTINGUISHER
5. OVER HEAD WATER TANK OF 25000 LTRS CAP. UNIT 100 LMP/HR
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. GROUND HYDRANT
8. ILLUMINATED SIGNAGES
10. FIRE SPRINKLERS
11. SMOKE DETECTOR
13. FRD
14. PD SYSTEM
15. DOWN COMOR
16 F.R. DOOR
17. LIGHTING POINT CONNECTED TO AN EMERGENCY SYSTEM

Ar. Danish Siddiqui
CA/2015/345
Prabal Design Studio
Architects & Engineers

Ar. Danish Siddiqui
B. Arch. (Hons. Univ.)
M.R.U.A. Lic. No. 2171/21
Tibb Maalim, Muzaffarpur

APPLICANT'S SIGNATURE

Asha Vihar Properties Pvt. Ltd.
Managing Director

SHEET - 5

PLANS
TOWER 3&4

PLAN AND DESIGNED BY:-

APPROVED BY:-

TOWER - 5 (G+7)

CLUB (G+3)

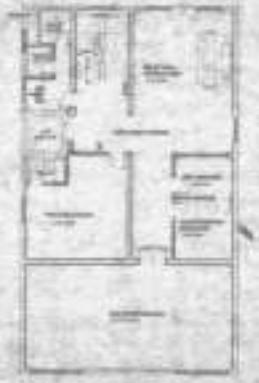
GROUND FLOOR PLAN

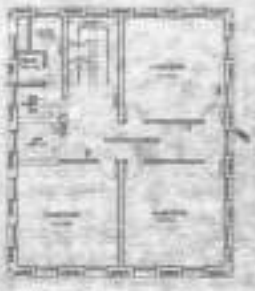
FIRST FLOOR PLAN

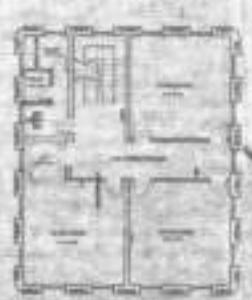
SECOND FLOOR PLAN

TERRACE FLOOR PLAN

KINDER GARTEN (G+3)







PROJECT DETAILS

PROPOSED PLAN OF HOUSING APARTMENT BUILDINGS TO BE CONSTRUCTED BY: ASHA VIHAR PROPERTIES PVT. LTD.
AT - PALLI SHAH LANE POST - RAMNA P. S. - MITHANPURA
DISTT. - MUZAFFARPUR
THROUGH- MANAGING DIRECTOR
SRI. ASHWIN KUMAR GUPTA
S/O - LATE SHIVNATH PRASAD HAVING SITE AT - VILL
PAIGAMBARPUR KOLHUA (MUZ)
P.S. - AHIYAPUR
THANA NO. - 482
ANCHAL - KANTI
KHATA NO. - 365 & 769
KHASRA NO. - 3360 , 3361 , 3706 , 3868 & 3687
DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL FLOOR AREA	= 23433.01 SQM (252299 SQFT)
BASEMENT PARKING AREA	= 1656.75 SQM
BASEMENT CORE (LIFT & STAIR) AREA	= 1139.96 SQM
BASEMENT R.C.C AREA	= 704.55 SQM
BASEMENT FLOOR TOTAL BU AREA	= 3501.26 SQM
5TH BASEMENT AREA (UNDER R.C.C.)	= 1116.11 SQM
STILT FLOOR PARKING AREA	= 4345.27 SQM
STILT FLOOR GARAGE AREA	= 670.29 SQM
STILT FLOOR CORE (LIFT & STAIR) AREA	= 1163.26 SQM
STILT FLOOR AREA (TOTAL)	= 6178.82 SQM
TOWER 1 & 2 (G+30) BU AREA	= 12648.96 SQM
TOWER 3 (G+30) BU AREA	= 1417.24 SQM
CLUB (G+3) BU AREA	= 1367.41 SQM
KINDER GARTEN (G+3) BU AREA	= 731.66 SQM
TOTAL FLOOR BU AREA (BASEMENT TO G+30)	= 23866.01 SQM
TOTAL COVERED PARKING AREA	= 5731.00 SQM
% OF COVERED AREA	= 24.46 %
% OF OPEN AREA	= 84.53 %
HEIGHT OF BUILDING	= 97.50 M

AREA FOR FAR CALCULATION

TOWER 1 BU AREA UNDER FAR	=	25224.16 SQM
TOWER 2 BU AREA UNDER FAR	=	17624.16 SQM
TOWER 3 BU AREA UNDER FAR	=	1850.00 SQM
TOWER 4 BU AREA UNDER FAR	=	2236.11 SQM
TOWER 5 BU AREA UNDER FAR	=	1417.23 SQM
STILT BU AREA UNDER FAR(PARKING)	=	670.29 SQM
CLUB BU AREA UNDER FAR	=	1050.24 SQM
KINDER GARTEN BU AREA UNDER FAR	=	731.66 SQM
TOTAL BU AREA UNDER FAR	=	50802.38 SQM
F.A.R. ACHIEVED	=	50802.38 SQM/23433.01 SQM=2.16
N.O.F PARKING AREA	=	5731.00 SQM/1656.75 SQM=3.46 NOS

FIRE LEGENDS

1. HYDRANT LAYOUT (ALIVE WET)
2. HOSE REEL
3. MANUAL OPERATED FOR FIRE BRIGADE CONTROL (WET RISER) SYSTEM
4. FIRE EXTINGUISHER
5. OVER HEAD WATER TANK OF 250KL TYD CAP (WET RISER) SYSTEM
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. GROUND HYDRANT
8. ILLUMINATED SIGNAGES
9. FIRE SPRINKLERS
10. SMOKE DETECTOR
11. FRD
12. PID SYSTEM
13. DOWN COMER
14. F.B. DOOR
15. LIGHTING POINT CONNECTED TO AN EMERGENCY SYSTEM

APPLICANT'S SIGNATURE

Asha Vihar Properties Pvt. Ltd.
Managing Director

SHEET - 6

PLANS
TOWER 6
CLUB
KINDER GARTEN

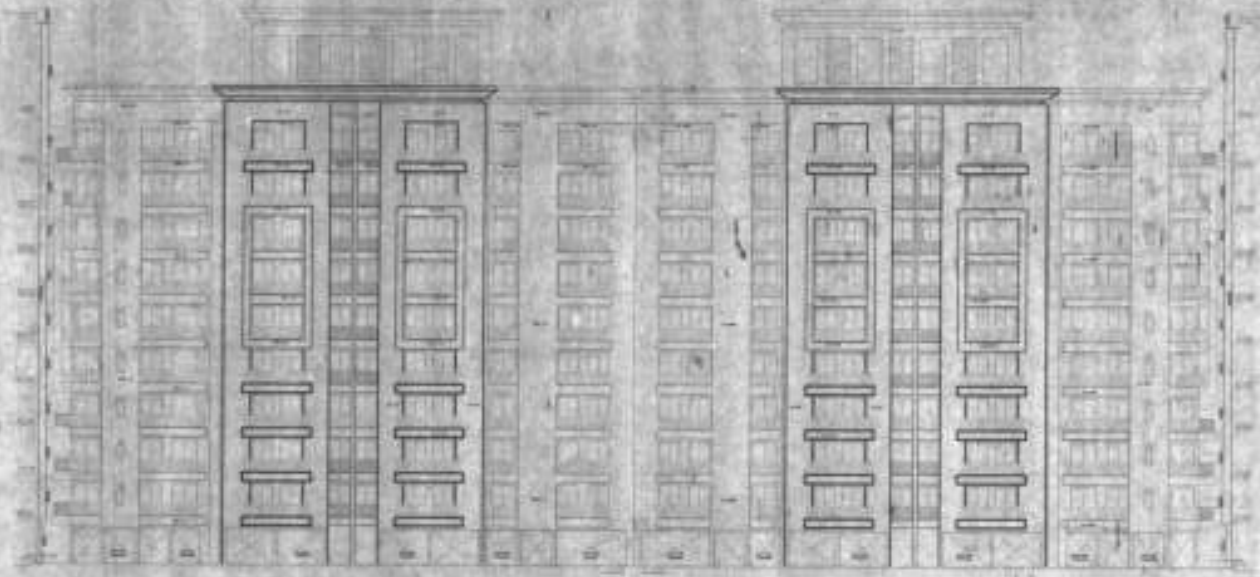
PLAN AND DESIGNED BY:-

Ar. Danish Siddiqui
B. Arch. (JMI, New Delhi)
M.R.D.A. Lic. No. CA/2013/53346
Tilak Maidan, Muzaffarpur

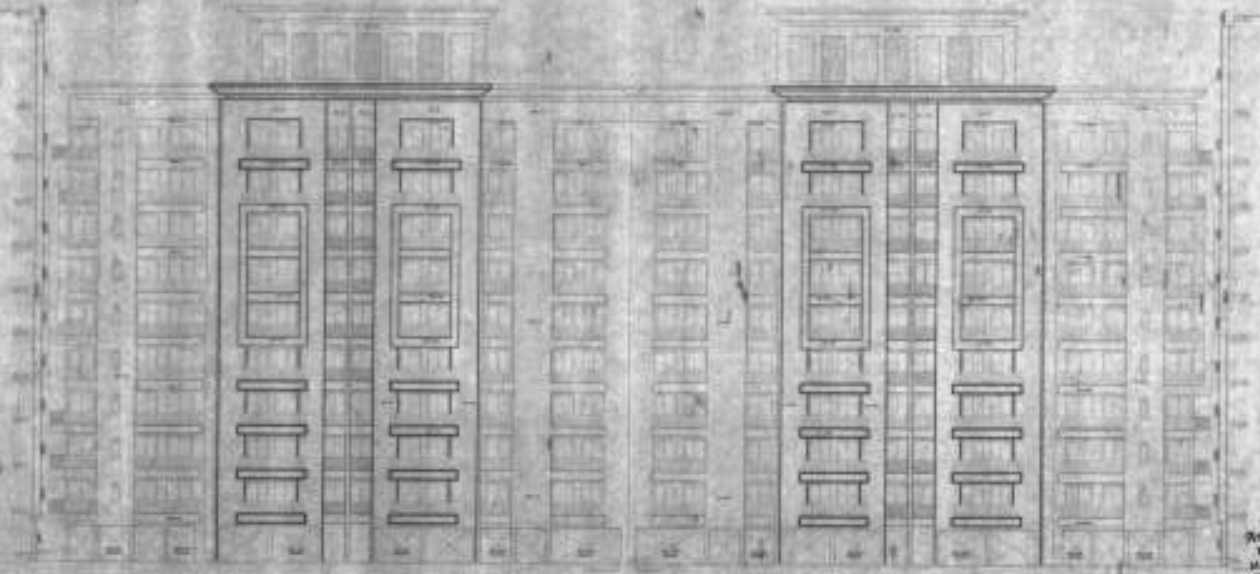
APPROVED BY:-

Ar. Danish Siddiqui
CA/2013/53346
Prefect Design Studio
Architects & Engineers

BSC HB & PS



ELEVATION (TOWER - 2)



ELEVATION (TOWER - 1)

PROJECT DETAILS

PROPOSED PLAN OF HOUSING APARTMENT BUILDINGS TO BE CONSTRUCTED BY: ASHA VIHAR PROPERTIES PVT. LTD.
AT - RAJU SHAH LAKE POST - RAMNA P. S. - MITHANPURA,
DISTT. - MUZAFFARPUR
THROUGH- MANAGING DIRECTOR
SRI. ASHWINI KUMAR GUPTA
S/O - LATE SHIVNATH PRASAD HAVING SITE AT - VILL-
FAKAMDARPUR KOLHUA (MUZ.)
P.S. - AHIYAPUR
THANA NO. - 482
ANCHAL - KANTI
KHATA NO. - 985 & 783
KHESRA NO. - 2680 , 2681 , 2750 , 2699 & 2697
DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL PLOT AREA	= 22470.00 SQM
BASEMENT PARKING AREA	= 1518.75 SQM
BASEMENT CORE (LIFT & STAIR) AREA	= 1737.50 SQM
BASEMENT R.C.C. WALL	= 754.05 SQM
BASEMENT FLOOR TOTAL BU AREA	= 3337.00 SQM
2nd BASEMENT AREA (LIFT & STAIR)	= 1700.44 SQM
STILT FLOOR PARKING AREA	= 1340.01 SQM
STILT FLOOR GARAGE AREA	= 655.05 SQM
STILT FLOOR CORE (LIFT & STAIR) AREA	= 1701.56 SQM
STILT FLOOR AREA (UTTILI)	= 1518.57 SQM
TOWER 1,4 (G+9) BU AREA	= 7349.16 SQM
TOWER 3 (G+9) BU AREA	= 1413.00 SQM
CLUB (G+2) BU AREA	= 1351.42 SQM
ANGAN (ANTEN (G+9) BU AREA	= 787.64 SQM
TOTAL FLOOR B/U AREA (A+B+C+D+E+F+G)	= 11850.26 SQM
TOTAL COVERED PARKING AREA	= 3074.530 SQM
% OF COVERED AREA	= 34.09 %
% OF OPEN AREA	= 65.91 %
HEIGHT OF BUILDING	= 30.00 M

AREA FOR FAR CALCULATION

TOWER 1 BU AREA UNDER FAR	= 1949.16 SQM
TOWER 2 BU AREA UNDER FAR	= 1949.43 SQM
TOWER 3 BU AREA UNDER FAR	= 1949.04 SQM
TOWER 4 BU AREA UNDER FAR	= 1949.11 SQM
TOWER 5 BU AREA UNDER FAR	= 787.56 SQM
STILT BU AREA UNDER FAR (GARAGE)	= 570.05 SQM
CLUB BU AREA UNDER FAR	= 1216.28 SQM
ANGAN (ANTEN B/U AREA UNDER FAR	= 743.69 SQM
TOTAL BU AREA UNDER FAR	= 9892.32 SQM
F.A.R. ACHIEVED	=
% OF PARKING AREA	=

FIRE LEGENDS

1. HYDRANT LAYOUT VALVE WET
2. HOSE REEL
3. SEARATE CONNECTION FOR FIRE BRIGADE USE TO THE WET RISING SYSTEM
4. FIRE EXTINGUISHER
5. OVER HEAD WATER TANK OF 25000LTRS CAP. UNIT 100 LMP/HR
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. GROUND HYDRANT
8. ILLUMINATED SIGNAGES
9. FIRE SPRINKLERS
10. SMOKE DETECTOR
11. FRD
12. PC SYSTEM
13. DOWN COMER
14. F.F. BOOK
15. LIGHTING POINT CONNECTED TO AN EMERGENCY SYSTEM

APPLICANT'S SIGNATURE

Asha Vihar Properties PVT. LTD.
Managing Director

SHEET - 7

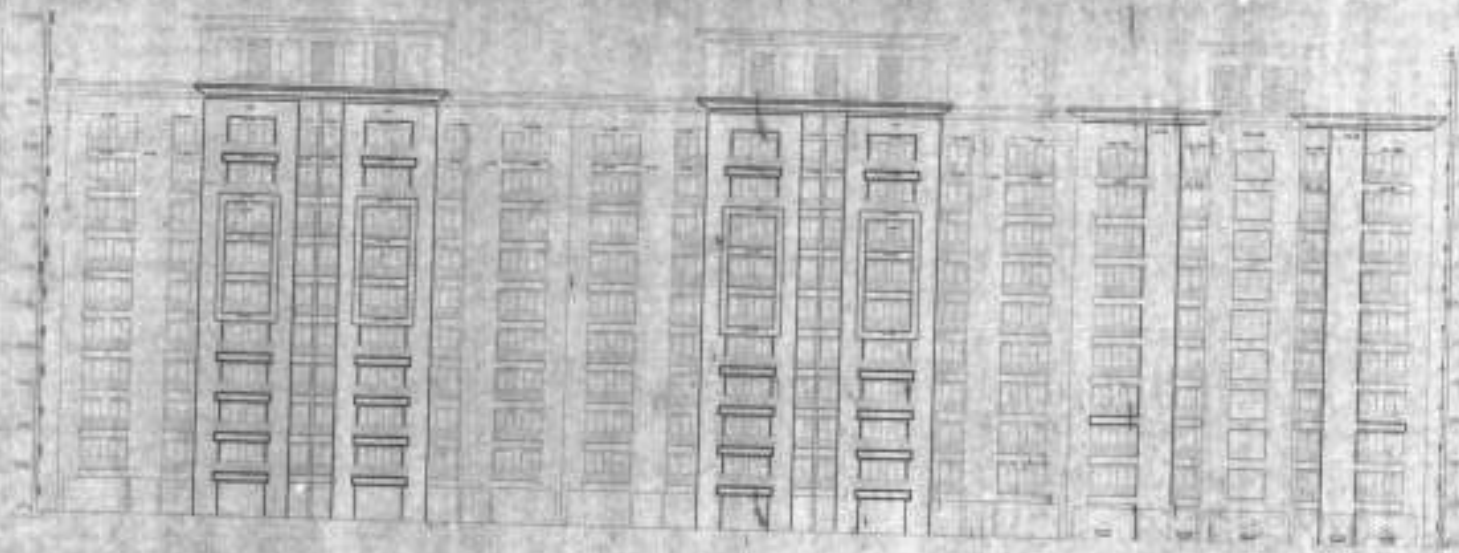
ELEVATION
TOWER 1&2

PLAN AND DESIGNED BY:-

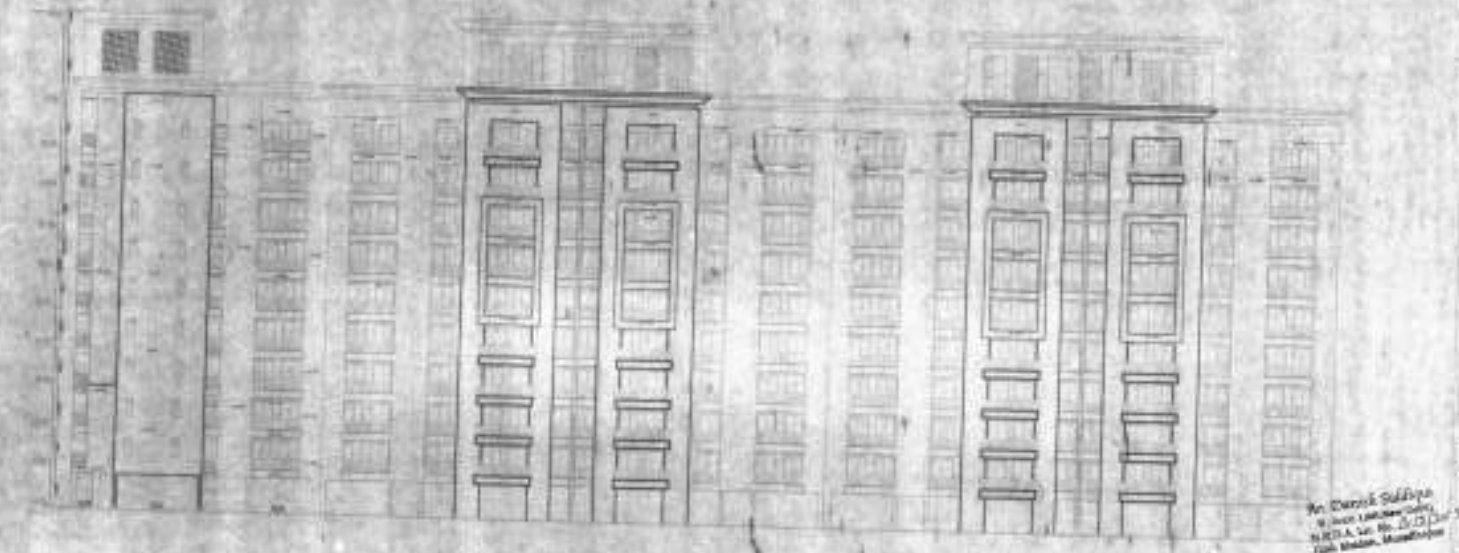
APPROVED BY:-

Ar. Danish Siddiqui
B. Arch. (AMU, Aligarh)
M.R.D.A. Lic. No. - C-15/...
Chief Architect, Muzaffarpur

Ar. Danish Siddiqui
CA/2011/...
Bachelor Design Studio
Architects & Engineers



ELEVATION (TOWER - 4)



ELEVATION (TOWER - 3)

PROJECT DETAILS

PROPOSED PLAN OF HOUSING APARTMENT BUILDINGS TO BE CONSTRUCTED BY: ASHA VIHAR PROPERTIES (PVT.) LTD.
AT - RAJJU RAHI LANE POST - RAMNA P. S. - MITHANPURA
DISTT. - MUZAFFARPUR
THROUGH - MANAGING DIRECTOR
SRI. KANHAIYA KUMAR GUPTA
S/O - LATE SHRINATH PRASAD HAVING SITE AT - VILL PASCHIMPURPUR KOLHUA (MULT.)
P.S. - AHIYAPUR
THANA NO. - 482
ANCHAL - KANTI
KHATA NO. - 865 & 783
KHESRA NO. - 2809 , 2801 , 2799 , 2898 & 2881
DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL PLOT AREA	=
BASEMENT PARKING AREA	=
BASEMENT CORE	=
BASEMENT E.S.C. AREA	=
BASEMENT FLOOR TOTAL BU AREA	=
2nd BASEMENT AREA	=
STILT FLOOR PARKING AREA	=
STILT FLOOR GARAGE AREA	=
STILT FLOOR CORE	=
STILT FLOOR AREA (TOTAL)	=
TOWER 1-4 (G+9) BU AREA	=
TOWER 5 (G+9) BU AREA	=
CLUB (G+9) BU AREA	=
RESER. GARDEN (G+9) BU AREA	=
TOTAL FLOOR BU AREA	=
TOTAL COVERED PARKING AREA	=
% OF COVERED AREA	=
% OF OPEN AREA	=
HEIGHT OF BUILDING	=

AREA FOR FAR CALCULATION

TOWER 1 BU AREA UNDER FAR	=	
TOWER 2 BU AREA UNDER FAR	=	
TOWER 3 BU AREA UNDER FAR	=	
TOWER 4 BU AREA UNDER FAR	=	
TOWER 5 BU AREA UNDER FAR	=	
STILT BU AREA UNDER FAR (GARAGE)	=	
CLUB BU AREA UNDER FAR	=	
RESER. GARDEN BU AREA UNDER FAR	=	
TOTAL BU AREA UNDER FAR	=	
F. A. R. ACHIEVED	=	
% OF PARKING AREA	=	

FIRE LEGENDS

1. HYDRANT LANDING VALVE WET
2. HOSE REEL
3. SIAMESE CONNECTION FOR FIRE ENGINE USE TO THE WET RISING SYSTEM
4. FIRE EXTINGUISHER
5. OVER HEAD WATER TANK OF 25000 LTRS CAP UNIT 100 Litres
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. GROUND HYDRANT
8. ILLUMINATED SIGNAGES
9. FIRE SPRINKLERS
11. SMOKE DETECTOR
13. FAP
14. PCI SYSTEM
15. DOWN COMER
16 F. R. DOOR
17. LIGHTING POINT CONNECTED TO AN EMERGENCY SYSTEM

APPLICANT'S SIGNATURE

Managing Director

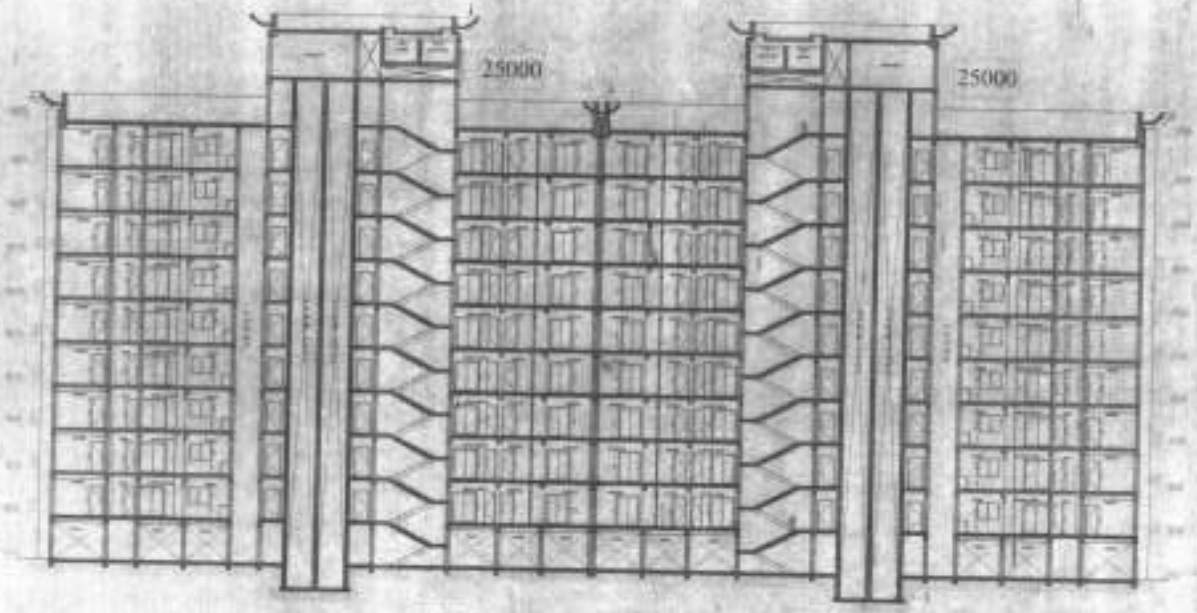
SHEET - 8

ELEVATION
TOWER 3&4

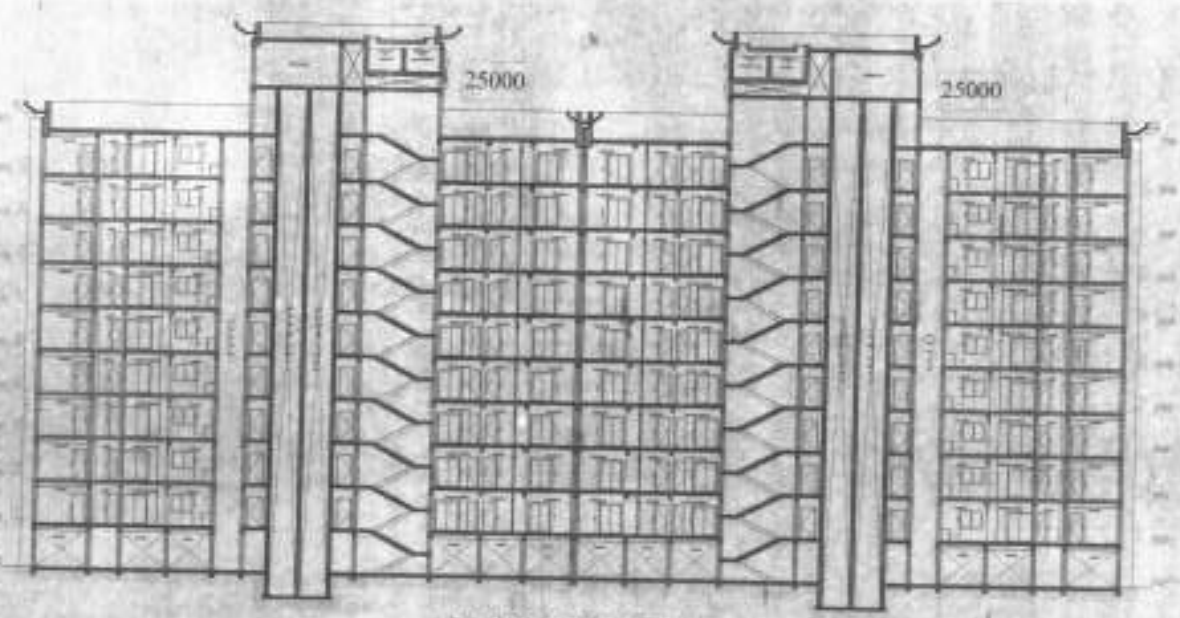
PLAN AND DESIGNED BY:-

APPROVED BY:-

Ar. Dinesh Siddiqui
CA/2013/2586
Siddiqui Design Studio
Architects & Engineers



SECTION BB' (TOWER - 2)



SECTION AA' (TOWER - 1)

PROJECT DETAILS

PROPOSED PLAN OF HOUSING APARTMENT BUILDINGS TO BE CONSTRUCTED BY ASHA VIHAR PROPERTIES PVT. LTD.
AT - RAJJU SHAH LANE POST - RAMNA, P. S. - MITHANPURA
DISTT. - MUZAFFARPUR
THROUGH- MANAGING DIRECTOR
SRI. ASHWANI KUMAR GUPTA
S/O - LATE SHIVNATH PRASAD HAVING SITE AT - VILL. PAIGAMBARPUR KOLHUA (MUZ.)
P.S. - AMAIPUR
THANA NO. - 452
ANCHAL - KANTI
KHATA NO. - 955 & 783
KHESRA NO. - 2800 , 2801 , 2785 , 2808 & 2807
DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL PLOT AREA	= 10467.00 SQM (more or less)
BASEMENT PARKING AREA	= 1034.70 SQM
GROUND FLOOR AREA	= 1703.00 SQM
MAINTENANCE G.F. AREA	= 154.00 SQM
BASEMENT FLOOR TOTAL BUILT AREA	= 2857.00 SQM
BASEMENT AREA	= 1149.19 SQM
STILT FLOOR PARKING AREA	= 1402.21 SQM
STILT FLOOR GARAGE AREA	= 870.45 SQM
STILT FLOOR COMMUNITY AREA	= 1703.00 SQM
STILT FLOOR AREA (TOTAL)	= 3975.66 SQM
TOWER 1+2 (G+9) BU AREA	= 13246.00 SQM
TOWER 3 (G+9) BU AREA	= 1613.00 SQM
CLUB (G+2) BU AREA	= 1391.41 SQM
KINDER GARTEN (G+1) BU AREA	= 707.94 SQM
TOTAL FLOOR BU AREA (A+B+C+D+E+F+G)	= 11266.31 SQM
TOTAL COVERED PARKING AREA	= 3741.00 SQM
% OF COVERED AREA	= 35.75 %
% OF OPEN AREA	= 65.00 %
HEIGHT OF BUILDING	= 30.48 M

AREA FOR FAR CALCULATION

TOWER 1 BU AREA UNDER FAR	= 5924.00 SQM
TOWER 2 BU AREA UNDER FAR	= 5924.00 SQM
TOWER 3 BU AREA UNDER FAR	= 1666.84 SQM
TOWER 4 BU AREA UNDER FAR	= 1038.11 SQM
TOWER 5 BU AREA UNDER FAR	= 1197.59 SQM
STILT B/U AREA UNDER FAR (GARAGE)	= 870.00 SQM
CLUB B/U AREA UNDER FAR	= 1406.00 SQM
KINDER GARTEN B/U AREA UNDER FAR	= 743.00 SQM
TOTAL B/U AREA UNDER FAR	= 19823.00 SQM
F. A. R. ACHIEVED	= 19823.00 sq.m. / 20926.30 sq.m. = 0.9
% OF PARKING AREA	= 8741.00 sq.m. / 19823.75 sq.m. = 44.09 %

FIRE LEGENDS

1. HYDRANT LAYOUT VALVE WET
2. HOSE REEL
3. SIAMESE CONNECTION PUBLIC BRIDGE USE TO THE WET RISING SYSTEM
4. FIRE EXTINGUISHER
5. OVER HEAD WATER TANK OF 20000 LTRS CAP UNIT 100 LMP/MIN
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. GROUND HYDRANT
8. ILLUMINATED BOSSARDS
9. FIRE SPRINKLERS
10. SMOKE DETECTOR
11. FRD
12. PO SYSTEM
13. DOWN COMER
14. F.R. DOOR
17. LIGHTING POST CONNECTED TO AN EMERGENCY SYSTEM

APPLICANT'S SIGNATURE

Asha Vihar Properties Pvt. Ltd.
Managing Director

SHEET - 9

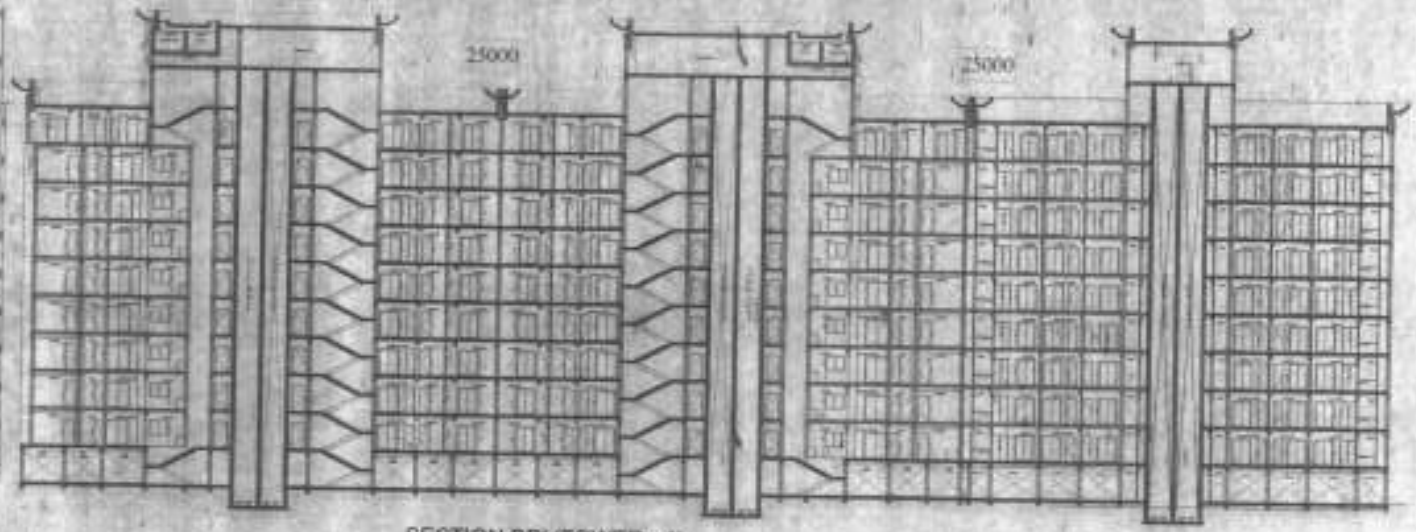
SECTION TOWER 1&2

PLAN AND DESIGNED BY:-

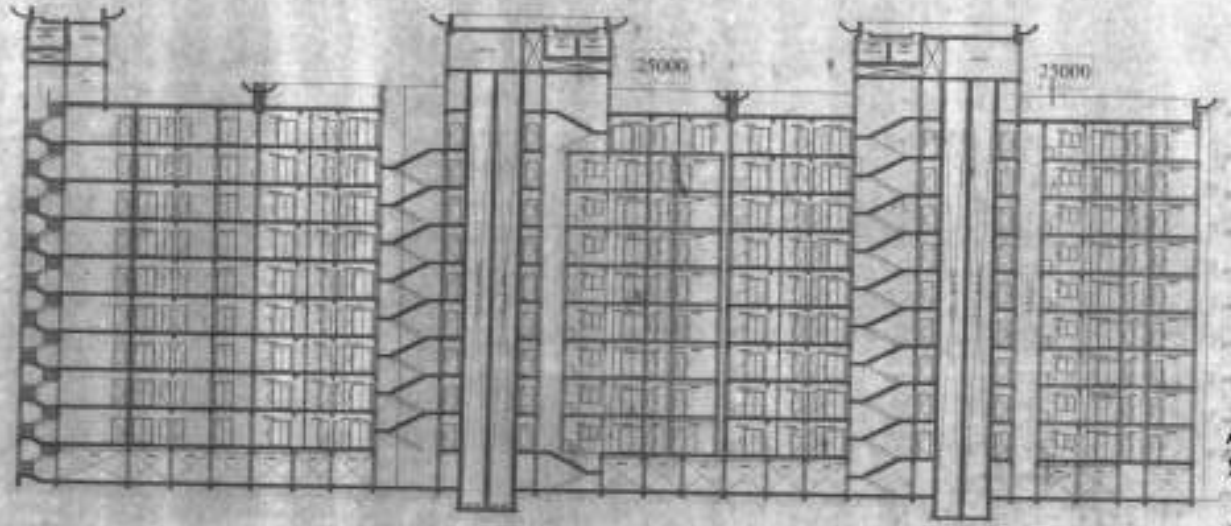
Ar. Danish Siddiqui
B. Arch. (Gold Medal)
M.R.T.P.I. (Gold Medal)
Town Planner, Muzaffarpur

Ar. Danish Siddiqui
B.Arch.(Gold Medal)
Indian Design Studio
Architects & Engineers

APPROVED BY:-



SECTION DD' (TOWER - 4)



SECTION CC' (TOWER - 3)

PROJECT DETAILS

PROPOSED PLAN OF HOUSING APARTMENT BUILDINGS TO BE CONSTRUCTED BY ASHA VIHAR PROPERTIES PVT. LTD.
AT - RAJU SHAH LANE POST - GAMHI P. S. - MITHANPURA
DISTT. - MUZAFFARPUR
THROUGH- MANAGING DIRECTOR
SRI. ASHWINI KUMAR GUPTA
S/O - LATE SHIVNATH PRASAD HAVING SITE AT - VILL-
PAHSAMBARPUR KOLHUA (MUZ.)
P.S. - MAHYAPUR
THANA NO. - 402
ANCHAL - KANTI
KHATA NO. - 685 & 703
KHESRA NO. - 2800 , 2801 , 2799 , 2998 & 2997
DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL PLOT AREA	=	
BASEMENT PARKING AREA	=	10445.75 SQM
BASEMENT CORE (LIFT+STAIR) AREA	=	1770.84 SQM
BASEMENT E.S.S. AREA	=	784.50 SQM
BASEMENT FLOOR TOTAL BU AREA	=	29761.00 SQM
2nd BASEMENT AREA	=	1155.14 SQM
STILT FLOOR PARKING AREA	=	5249.21 SQM
STILT FLOOR GARAGE AREA	=	870.05 SQM
STILT FLOOR CORE (LIFT+STAIR) AREA	=	1770.84 SQM
STILT FLOOR AREA (TOTAL)	=	10780.50 SQM
TOWER 1+4 (G+6) BU AREA	=	13249.90 SQM
TOWER 2 (G+6) BU AREA	=	14133.00 SQM
CLUB (G+3) BU AREA	=	1951.41 SQM
NURSERY (CRECHE) (G+3) BU AREA	=	730.84 SQM
TOTAL FLOOR BU AREA (B+B+C+D+E+F+G)	=	113958.00 SQM
TOTAL COVERED PARKING AREA	=	9241.60 SQM
% OF COVERED AREA	=	36.39 %
% OF OPEN AREA	=	63.59 %
HEIGHT OF BUILDING	=	20.35.00

AREA FOR FAR CALCULATION

TOWER 1 BU AREA UNDER FAR	=	13424.90 SQM
TOWER 2 BU AREA UNDER FAR	=	13424.90 SQM
TOWER 3 BU AREA UNDER FAR	=	19040.84 SQM
TOWER 4 BU AREA UNDER FAR	=	13249.90 SQM
TOWER 5 BU AREA UNDER FAR	=	1157.50 SQM
STILT BU AREA UNDER FAR (GARAGE)	=	870.05 SQM
CLUB BU AREA UNDER FAR	=	1951.41 SQM
NURSERY (CRECHE) BU AREA UNDER FAR	=	730.84 SQM
TOTAL BU AREA UNDER FAR	=	88830.34 SQM
F. A.R. ACHIEVED	=	
% OF PARKING AREA	=	

FIRE LEGENDS

1. HYDRANT LAYOUT FAILSAFE WET
2. HOSE REEL
3. READY FOR CONNECTION FOR FIRE BRIGADE USE TO THE WET RISING SYSTEM
4. FIRE EXTINGUISHER
5. OVER HEAD WATER TANK OF 250CUBICTRS CAPACITY 100 LMP HR
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. GROUND HYDRANT
8. ILLUMINATED SIGNAGES
9. FIRE SPRINKLERS
10. SMOKE DETECTION
11. PHD
12. PD SYSTEM
13. SOUND SYSTEM
14. F. R. DOOR
15. LIGHTING POINT CONNECTED TO AN EMERGENCY SYSTEM

Ar. Danish Sultani
(IAV/1/2004)
Medical Design House
Architects & Engineers

Ar. Danish Sultani
B. Arch, LIM, New Delhi
M.E.D.A. I.C. No.
Date Month, Month/Digit

APPLICANT'S SIGNATURE

Managing Director

SHEET - 10

SECTION
TOWER 3&4

PLAN AND DESIGNED BY:-

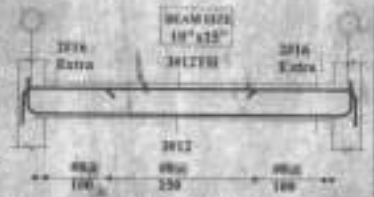
APPROVED BY:-

SCHEDULE OF DOORS&WINDOWS				
TYPE	WIDTH	HEIGHT	CILL	LINTEL
D1	3'-6"	8'-6"	0'-0"	9'-0"
D2	3'-0"	8'-0"	0'-0"	9'-0"
D3	2'-6"	8'-0"	0'-0"	9'-0"
W	5'-0"	4'-0"	3'-0"	9'-0"
W1	4'-0"	5'-0"	3'-0"	9'-0"
W2	3'-0"	5'-0"	3'-0"	9'-0"
V	2'-0"	3'-0"	9'-0"	0'-0"

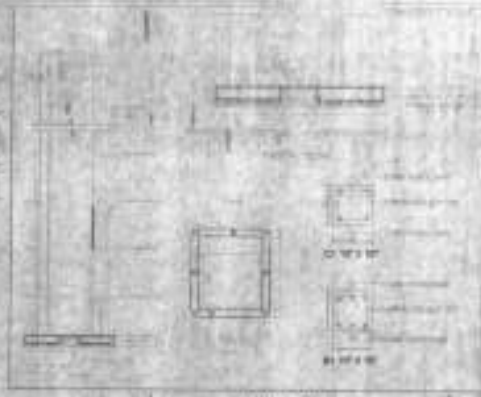
EARTH QUAKE SAFETY MEASURES

PROVIDE:

1. R.C.C. BAND AT GL. , PL, LL AND RL
2. L OR T BEAM AT ROOF LVL.
3. COLUMN / STIFFNER AT JUNCTION
4. MINIMUM 4 -12Ø BAR IN COLUMN OR STIFFNER
5. EXPENSION JOINT AT EVERY 45 M.
6. U OR L HOOK IN REINFORCEMENT
7. TIE BEAM FOR INCLIND STRUCTURE
8. OTHER SAFETY MEASURES AS / I.S. 1893



TYPICAL ROOF BEAM


LIFT DETAIL

PROJECT DETAILS

PROPOSED PLAN OF HOUSING APARTMENT BUILDING TO BE CONSTRUCTED BY ASHA VIHAR PROPERTIES PVT. LTD. AT - RAJJU SHAH LAHRI POST - RAMNA P.S. - MOHANPURA DISTT. - MUZAFFARPUR THROUGH - MANAGING DIRECTOR SRI. ASHWINI KUMAR GUPTA S/O - LATE BHARATH PRASAD HAVING SITE AT - VILL - FAGAMBARPUR W.S.RUA (MUZ.) P.S. - AHIYAPUR THANA NO. - 422 ANCHAL - KANTI KHATA NO. - 905 & 781 KHESRA NO. - 2832 , 2831 , 2789 , 2588 & 2587 DISTT. - MUZAFFARPUR

AREA CALCULATION

TOTAL PLOT AREA	= 2345.36 SQM (0.58 ACRE)
BASEMENT PARKING AREA	= 782.45 SQM
BASEMENT CORE (LIFT+STAIR) AREA	= 170.36 SQM
BASEMENT R.C.C. WALL	= 194.65 SQM
BASEMENT FLOOR TOTAL BUILT AREA	= 1077.51 SQM
2nd BASEMENT AREA	= 1155.44 SQM
1ST FLOOR PARKING AREA	= 1044.21 SQM
1ST FLOOR GARAGE AREA	= 471.05 SQM
1ST FLOOR CORE (LIFT+STAIR) AREA	= 170.36 SQM
1ST FLOOR AREA (TOTAL)	= 1515.62 SQM
TOWER 1st (G+9) BUILT AREA	= 7296.00 SQM
TOWER 2 (G+9) BUILT AREA	= 1417.04 SQM
CLUB (G+9) BUILT AREA	= 1161.41 SQM
KINDER GARTEN (G+1) BUILT AREA	= 197.96 SQM
TOTAL FLOOR BUILT AREA (1st+2nd+G+1st+9+1+2)	= 11860.23 SQM
TOTAL COVERED PARKING AREA	= 3674.26 SQM
% OF COVERED AREA	= 33.99 %
% OF OPEN AREA	= 66.00 %
HEIGHT OF BUILDING	= 30.150 M

AREA FOR FAR CALCULATION

TOWER 1 BU AREA UNDER FAR	=	SQM
TOWER 2 BU AREA UNDER FAR	=	SQM
TOWER 3 BU AREA UNDER FAR	=	SQM
TOWER 4 BU AREA UNDER FAR	=	SQM
TOWER 5 BU AREA UNDER FAR	=	SQM
TOTAL BU AREA UNDER FAR (GROUND)	=	SQM
CLUB BU AREA UNDER FAR	=	SQM
KINDER GARTEN BU AREA UNDER FAR	=	SQM
TOTAL BU AREA UNDER FAR	=	SQM
F.A.R. ACHIEVED	=	
% OF PARKING AREA	=	

FIRE LEGENDS

1. STAIRWAY LANDING VALVE WET
2. HOSE REEL
3. MAINHOLE CONNECTION FOR FIRE ENGINE TO BE WET RISING SYSTEM
4. FIRE EXTINGUISHER
5. OVER HEAD WATER TANK OF 3000CUBIC DM UNIT 100 LIMITER
6. UNDER GROUND WATER TANK WITH AUTOMATIC REFILLING ARRANGEMENT
7. GROUND HYDRANT
8. ILLUMINATED SIGNAGES
9. FIRE SPRINKLERS
11. SMOKE DETECTOR
12. PBX
14. PO SYSTEM
15. DOWN COMER
16 F.A. PUMP
17. LIGHTING POINT CONNECTED TO AN EMERGENCY SYSTEM

APPLICANT'S SIGNATURE

SHEET - 11

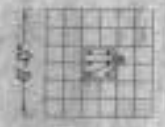
STRUCTURE DETAIL

PLAN AND DESIGNED BY:-

APPROVED BY:-

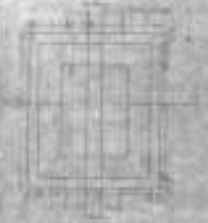
TYPICAL SECTION OF UNDER GROUND TANK

DETAILS OF FOOTING

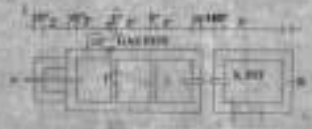


PLAN
TYPICAL DETAILS OF FOUNDATION

DETAILS OF RCC SLAB

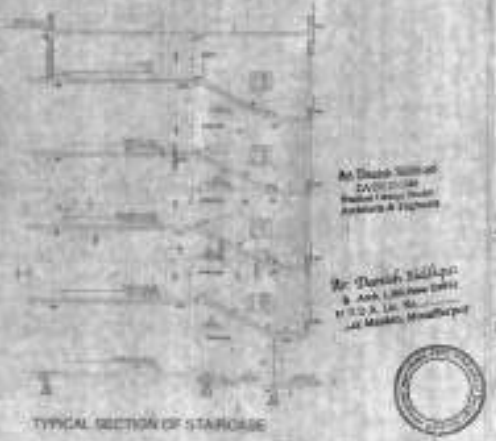


DET. OF RECHARGEABLE BORE WELL

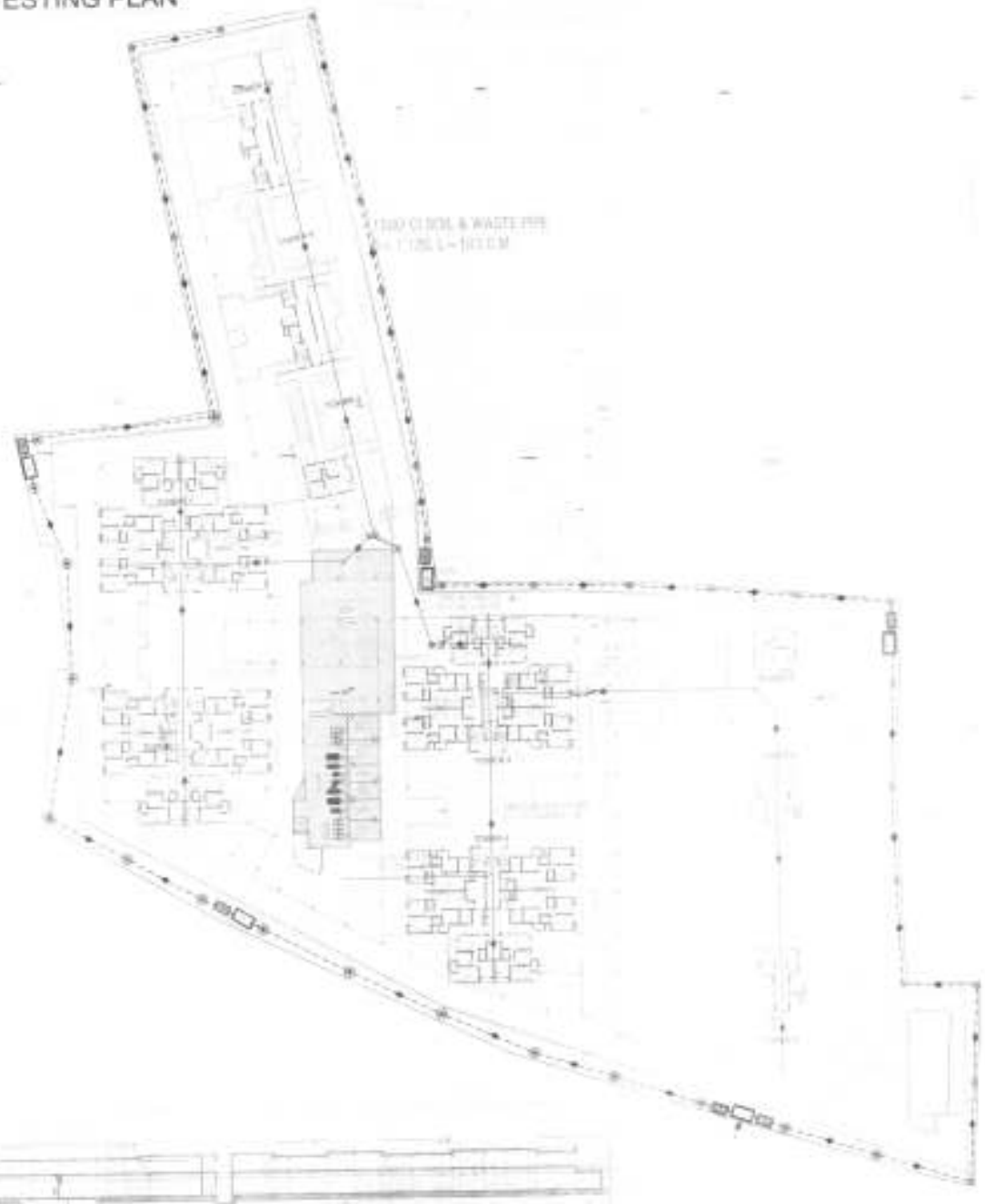

PLAN OF SEPTIC TANK

SECTION ON AB

DETAILS OF SEPTIC TANK AND SOAKPIT


TYPICAL SECTION OF STAIRCASE

RAIN WATER HARVESTING PLAN



PROJECT DETAILS

AREA CALCULATION

AREA FOR FAR CALCULATION

FIRE LEGENDS

S SIGNATURE

SHEET - 12

RAIN WATER HARVESTING PLAN

DESIGNED BY:-

APPROVED BY:-