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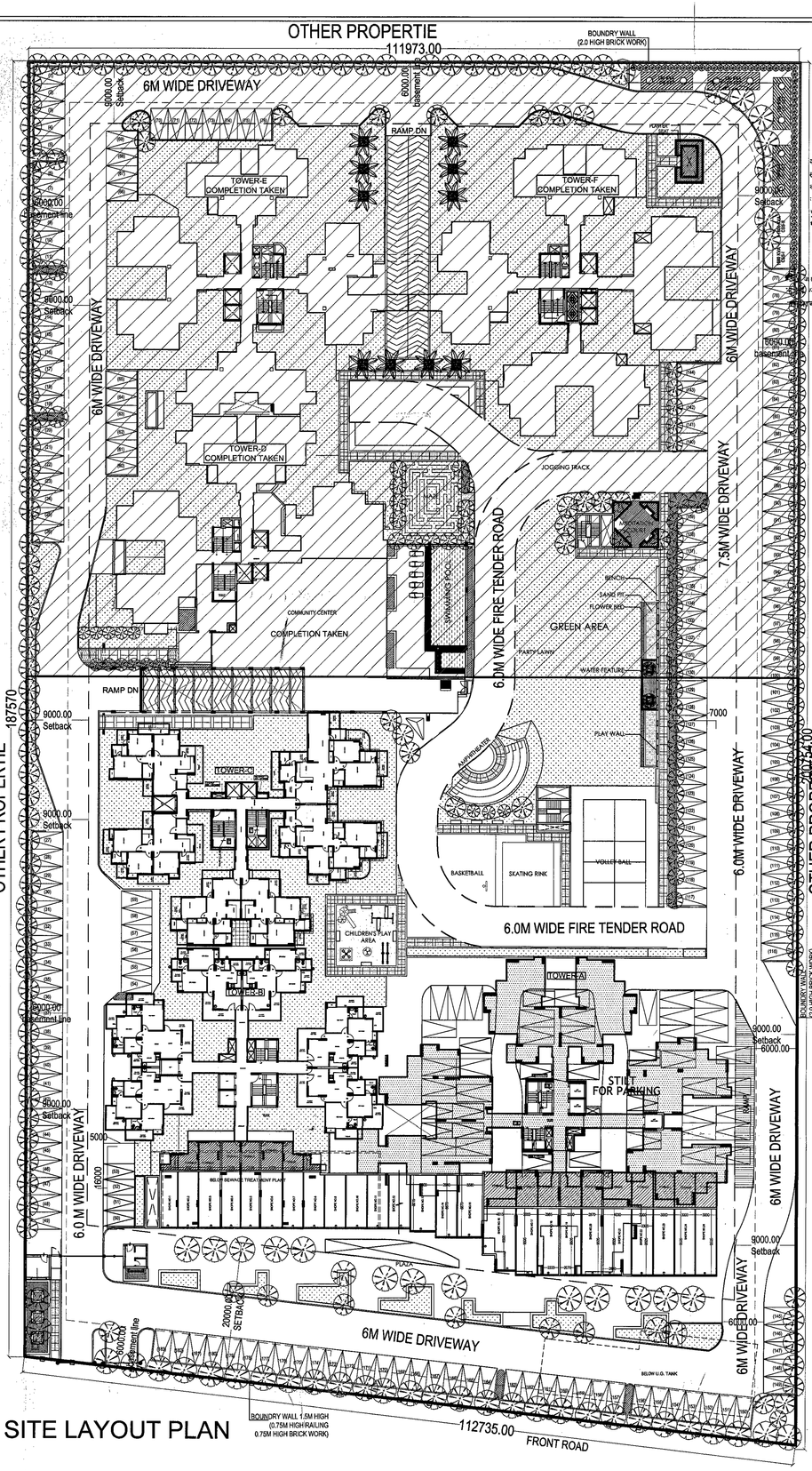

SITE LAYOUT PLAN

SITE PLAN / AREA CALCULATION	DRAWING NO. 01

FAR AREA CALCULATIONS		
	Description	SQ.MT.
1	Plot area	21,700.00
2	Permissible FAR (275) 275% of 21,700.00	59,675.00
3	Purchasable FAR (0.75) 75% of 21,700.00	16,275.00
4	Total FAR (350)= Total Permissible + Purchasable FAR 59,675.00 + 16,275.00 = 75,950.00	75,950.00
5	Permissible Ground Coverage 35 % 35% of 21,700.00	7,595.00
6	Existing Ground Coverage In Completion taken (Tower-D,E,F) 12.20%	2647.807
7	Proposed Ground Coverage Tower-A,B,C (9.34%)	2098.425+ 759.380
8	TOTAL Existing Ground Coverage achieved (Completion taken+ TOWER-A,B,C + COMMERCIAL) = (2647.807+ 2098.425+ 759.380)	5505.612 (25.59%)
9	Existing Area of Residential FAR in Completion taken (Tower-D,E,F)	36,739.489
10	PROPOSED Area of Residential FAR TOWER - A,B,C + Commercial	39198.613
11	Total Area of Residential FAR (36,739.489 + 39,198.613) (COMPLETION TAKEN+ TOWER-A,B,C +Commercial)	75938.102
12	Permissible Commercial FAR @ 1 % of 75,950.00	759.50
13	PROPOSED Area of Commercial	759.38
14	Total Area of Residential + Commercial 75178.722+ 759.380 = 75938.102	75938.102
15	Permissible 15 % Additional FAR	11392.5
16	Existing 15 % Additional FAR in Completion taken	4,816.901
17	Proposed 15 % additional far	3487.576
18	Total 15 % Additional FAR 4,816.901 + 3487.576	8304.477
19	Density Calculations Permissible Density 1650 (-50% or + 5%) per / hact Total Population 2.17 X1650 (-50% or + 5%) = 1790.25 to 3759.525 Total dwelling units Standard size of Family 4.5 Persons total population/4.5 = Total dwelling units	825 to 1732.50 PPHA
20	Permissible Dwelling Units (398 to 835)	398 - 835 units
21	Existing Dwelling Units In Completion taken	438 units
22	PROPOSED Dwelling Units	397 units
23	Total Existing Dwelling Units 438 + 397 = 835	835 units
24	Existing Population in Completion taken (438X4.5)=1971	1971 Persons
25	PROPOSED Population Applied in Part Completion (397X4.5) = 1786.5	1786.5 Persons
26	TOTAL Population 1971 + 1786.5 =3757.5	3757.5 Persons
27	Existing Area of Upper Basement -1 in Completion taken	8935.084 Sq.Mt.
28	Proposed Area of Upper Basement -1	9493.753 Sq.Mt.
29	TOTAL Area of Upper Basement -1 8935.084 + 9493.753 =18428.837	18428.837 Sq.Mt.
30	Existing Area of Lower Basement-2 in Completion taken	8935.084 Sq.Mt.
31	Proposed Area of Lower Basement -2	1638.601 Sq.Mt.
32	TOTAL Area of Lower Basement -2 8935.084 + 1638.601 =10573.685	10573.685 Sq.Mt.
33	Existing No. of E.C.S. 1 E.C.S. for 80 sq.mt. area (COMPLETION TAKEN) 36,739.489 / 80 = 459.24	SAY 459
34	Proposed No. of E.C.S. required 1 E.C.S. for 80 sq.mt. area 39,198.613 / 80 = 489.98	SAY 490
35	Total No. of E.C.S. required 459 + 490 = 949	SAY 949
36	Existing Car Parking Area of Upper Basement-1 in Completion taken	8525.223 Sq.Mt.
37	Proposed Car Parking Area of Upper Basement-1	8931.667 Sq.Mt.
38	Total Car Parking Area of Upper Basement-1 8525.223 + 8931.667 = 17456.89	17456.89 Sq.Mt.
39	Existing Car Parking Area of Lower Basement-2 in Completion taken	8793.118 Sq.Mt.
40	Proposed Car Parking Area of Lower Basement-2	1612.406 Sq.Mt.
41	Total Car Parking Area of Lower Basement-2 8793.118 + 1612.406 = 10405.902	10405.524 Sq.Mt.
42	Existing car parking provided in Upper basement-1 in Completion taken	181 CARS
43	Proposed car parking provided in Upper basement-1	291 CARS
44	Total car parking provided in Upper basement-1 = 181+ 291 = 472	472 CARS
45	Existing car parking provided in Lower basement-2 in Completion taken	220 CARS
46	Proposed car parking provided in Lower basement-2	54 CARS
47	Total car parking provided in Lower basement -2 = 220 + 54 = 274	274 CARS
48	Existing Area of Open Car Parking Area in Completion taken	1302.50 Sq.Mt.
49	Existing Open Car Parking 1302.50 / 20 = 65.12	SAY 65
50	Proposed Open Car Parking 2380 / 20 = 119	SAY 119
51	TOTAL Open Car Parking 65 + 119= 184	SAY 184
52	Proposed Stilt Area	677.109 Sq.Mt.
53	Proposed Stilt Car Parking Area = 692.801 677.109 / 30 = 22.57	SAY 23
54	Total no. of E.C.S. Existing = 472 + 274 + 184 + 23 = 953	SAY 953

LEGEND :-

COMPLETION TAKEN (TOWER-D,E,F)

FAR Calculations												
								Completion Taken				
S.No.	Floor	Tower-A	Tower-B	Tower-C	Commercial PART I (TOWER-A)	Commercial PART I (TOWER-B)	Total (A)	Tower-D	Tower-E	Tower-F	Total (B)	TOTAL A+B
1	Stilt/ Podium/Ground Floor	191.684	540.666	552.035	458.758	300.622	2043.765	492.902	491.957	705.987	1690.846	3842.595
2	First Floor	953.091	626.391	537.156			2116.638	551.310	619.501	692.307	1863.118	3979.756
3	Second	953.091	626.414	526.898			2106.403	551.310	607.739	692.556	1841.408	3947.811
4	Third	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
5	Fourth	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
6	Fifth	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
7	Sixth	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
8	Seventh	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
9	Eighth	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
10	Ninth	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
11	Tenth	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
12	Eleventh	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
13	Twelfth	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
14	Thirteen	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
15	Fourteenth	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
16	Fifteenth	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
17	Sixteenth	953.091	626.414	526.898			2106.403	551.310	607.739	682.359	1841.408	3947.811
18	Seventeenth		626.414	526.898			1153.312	551.310	607.739	682.359	1841.408	2994.720
19	Eighteenth		626.414	526.898			1153.312	551.310	607.739	682.359	1841.408	2994.720
20	Nintheenth		626.414	509.127			1135.541	489.707	607.739	682.359	1779.805	2915.346
27	Total	15461.340	13442.509	10551.584	458.758	300.622	39918.613	15985.209	17159.354	19580.750	52725.313	92643.926

Ground Coverage						
S.No.	Floor	STILT area	FAR area	15% additional far	Area	
1	Tower-A	677.109	191.684	35.505	904.298	
2	Tower-B		540.666	47.209	587.875	
3	Tower-C		552.035	54.217	606.252	
4	Commercial				759.380	
	TOTAL(A)				2857.805	
	Ground Coverage Completion					
1	Tower-D				987.246	
2	Tower-E				628.163	
3	Tower-F				749.890	
4	ESS				212.505	
5	Guard Room				20	
	Total (A)				2647.807	
	TOTAL Ground Coverage (A+B)				5505.612	

Dwelling Units Calculations								
					Completion Taken			
S.No.	Floor	Tower-A	Tower-B	Tower-C	Tower-D	Tower-E	Tower-F	Total
		Dwelling Units	Dwelling Units	Dwelling Units	Dwelling Units	Dwelling Units	Dwelling Units	Dwelling Units
1	STILT/Ground Floor			6				6
2	First Floor	8	8	6	4	4	4	44
3	Second	8	8	6	4	4	4	44
4	Third	8	8	6	4	4	4	44
5	Fourth	8	8	6	4	4	4	44
6	Fifth	8	8	6	4	4	4	44
7	Sixth	8	8	6	4	4	4	44
8	Seventh	8	8	6	4	4	4	44
9	Eighth	8	8	6	4	4	4	44
10	Ninth	8	8	6	4	4	4	44
11	Tenth	8	8	6	4	4	4	44
12	Eleventh	8	8	6	4	4	4	44
13	Twelfth	8	8	6	4	4	4	44
14	Thirteen	8	8	6	4	4	4	44
15	Fourteenth	8	8	6	4	4	4	44
16	Fifteenth	8	8	6	4	4	4	44
17	Sixteenth		8	6	4	4	4	26
18	Seventeenth		8	6	4	4	4	26
19	Eighteenth		8	6	4	4	4	26
20	Nintheenth		8	6	4	4	4	26
22	Total	120	158	119	118	78	58	635

15 % Additional FAR Calculations														
								Completion Taken						
S.No.	Floor	Tower-A	Services area / UGT AREA	Tower-B	Tower-C	TOTAL(A)	Tower-D	Tower-E	Tower-F	STP	Guard Room	DG Room	Services area	TOTAL(B)	TOTAL (A+B)
	LOWER BASEMENT FLOOR												36.22	36.22	36.22
	Upper Basement/Floor		981.016			981.016				205.109			36.22	241.329	1222.345
1	Stilt/ Ground Floor	30.905		47.206	54.217	132.328	69.507	41.312	42.920		20	24.500		158.239	290.567
2	First Floor	43.014		49.063	54.217	146.294	49.906	41.312	42.920					134.138	280.432
3	Second	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
4	Third	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
5	Fourth	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
6	Fifth	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
7	Sixth	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
8	Seventh	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
9	Eighth	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
10	Ninth	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
11	Tenth	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
12	Eleventh	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
13	Twelfth	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
14	Thirteen	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
15	Fourteenth	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
16	Fifteenth	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
17	Sixteenth	43.014		49.063	54.217	146.294	38.315	41.312	42.920					122.547	268.841
18	Seventeenth			49.063	54.217	103.28	38.315	41.312	42.920					122.547	225.827
19	Eighteenth			49.063	54.217	103.28	38.315	41.312	42.920					122.547	225.827
20	Nintheenth			49.063	54.217	103.28	38.315	41.312	42.920					122.547	225.827
21	Total			49.063	54.217	103.28	38.315	41.312	42.920					122.547	225.827
22	O.H.T	105.199		85.002	139.576	330.304	245.476	124.937	128.759					499.172	829.476
23	Total	829.462	981.016	1004.408	1352.802	3357.226	2340.973	1237.148	1285.679	205.109	20.000	24.500	137.440	4910.849	8268.075

PROJECT

REVISED SUBMISSION DRAWINGS FOR GROUP HOUSING ON PLOT NO GH-02A,SECTOR -77 AT NOIDA DISTT. GAUTAMBUDH NAGAR (U.P.)

OWNER

EXPRESS BUILDERS & PROMOTERS PVT. LTD.

ARCHITECT

VAIBHAV JAIN & ASSOCIATES PVT. LTD
195. RAM VIHAR DELHI-92. PHONE OFF.- 011- 42518322

DRAWING TITLE	DRAWING NO.
SITE PLAN / AREA CALCULATION	01
NORTH	SCALE
	1:300
ARCH. SEAL & SIG.	OWNERS SIG.

VAIBHAV JAIN
B. ARCH. (Roorkee)
I. N. CA/2006/38172
Vaibhav Jain & Associs.
195, RAM VIHAR, DELHI-92

For Express Builders And Promoters (P) Ltd.

Director

ARCHITECT VAIBHAV JAIN B.ARCH[ROORKEE]

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