UPPER BASEMENT AREA

GROSS – A								
b4	0.5	X	43.435	X	19.025	=	413.175	SQM
b6	0.5	X	31.320	X	34.855	=	545.829	SQM
b7	0.5	X	34.855	X	63.635	=	1108.999	SQM
b14	0.5	X	35.385	X	38.235	=	676.473	SQM
b15	0.5	X	117.640	X	38.235	=	2248.983	SQM
					TOTAL	=	4993.459	SQM

GROSS – B — UPPER BASEMENT AREA

NO.	A		B		C				s	AREA OF =S(S-A)(S-B)(S-C)	Area	
b1	55.845	+	53.815	+	90.490	/	2	=	100.075	1962638.364	1400.942	SQM
b2	90.490	+	37.170	+	75.740	/	2	=	101.700	1909822.118	1381.963	SQM
b3	62.385	+	39.170	+	74.490	/	2	=	88.023	1491881.064	1221.426	SQM
b3a	74.490	+	1.485	+	75.740	/	2	=	75.858	906.517	30.108	SQM
b5	47.295	+	39.170	+	46.860	/	2	=	66.663	702893.322	838.387	SQM
b8	37.325	+	20.815	+	45.140	/	2	=	51.640	148113.290	384.855	SQM
b8a	45.140	+	14.485	+	54.905	/	2	=	57.265	70100.933	264.766	SQM
b8c	54.905	+	21.710	+	72.555	/	2	=	74.585	157551.668	396.928	SQM
b10	110.265	+	7.935	+	105.815	/	2	=	112.008	125782.984	354.659	SQM
b11	110.265	+	113.330	+	19.775	/	2	=	121.685	1183222.464	1087.760	SQM
b12	90.805	+	123.695	+	46.600	/	2	=	130.550	2985984.418	1728.000	SQM
b13	88.780	+	66.725	+	74.150	/	2	=	114.828	5852398.068	2419.173	SQM
									TOTAL	=	11508.968	SQM

GROSS – C — UPPER BASEMENT AREA

b9	3.14	x	7.500	x	7.500	x	63.86	\	360	-	0.5	x	7.500	-	1.135	x	7.935	=	6.078	sqm.
																	TOTAL	=	6.078	SQM

UPPER BASEMENT (DOUBLE HEIGHT AREA)

GROSS – H								
d1	0.5	X	5.950	X	6.990	=	20.795	SQM
d3	0.5	X	5.875	X	4.000	=	11.750	SQM
d7	0.5	X	7.995	X	6.420	=	25.664	SQM
d8	1	X	3.550	X	1.980	=	7.029	SQM
d9	0.5	X	12.690	X	6.430	=	40.798	SQM
d10	0.5	X	12.705	X	6.465	=	41.069	SQM
d11	0.5	X	(3.615+6.465)	X	2.775	=	13.986	SQM
					TOTAL	=	161.091	SQM

GROSS – J — UPPER BASEMENT (DOUBLE HEIGHT AREA)

NO.	A		B		C				s	AREA OF =S(S-A)(S-B)(S-C)	Area	
d2	6.995	+	5.730	+	9.180	/	2	=	10.953	401.235	20.031	SQM
d4	4.005	+	5.750	+	7.110	/	2	=	8.433	132.450	11.509	SQM
d5	19.145	+	13.775	+	23.940	/	2	=	28.430	17369.645	131.794	SQM
d5a	23.940	+	14.600	+	24.430	/	2	=	31.485	28298.344	168.221	SQM
d6	10.245	+	6.395	+	8.005	/	2	=	12.323	655.155	25.596	SQM
									TOTAL	=	357.151	SQM

GROSS – G — UPPER BASEMENT (DOUBLE HEIGHT AREA)

d12	3.14	x	2.890	x	2.890	x	87.00	\	360	-	0.5	x	2.890	-	0.790	x	3.980	=	2.159	sqm.
																	TOTAL	=	2.159	SQM

UPPER BASEMENT (SERVICES AREA)

GROSS – D								
a	1	X	4.700	X	5.915	=	27.801	SQM
b	1	X	2.195	X	0.425	=	0.933	SQM
c	1	X	3.055	X	3.600	=	10.998	SQM
d	0.5	X	3.860	X	4.195	=	8.096	SQM
e	0.5	X	(5.045+4.305)	X	4.195	=	19.612	SQM
f	0.5	X	3.640	X	2.185	=	3.977	SQM
g	1	X	2.150	X	1.125	=	2.419	SQM
u	0.5	X	4.570	X	5.330	=	12.179	SQM
v	1	X	5.195	X	0.325	=	1.688	SQM
w	1	X	2.800	X	1.600	=	4.480	SQM
x	1	X	5.485	X	2.990	=	16.400	SQM
y	0.5	X	4.760	X	6.420	=	15.280	SQM
z	0.5	X	6.420	X	4.750	=	15.248	SQM
z1	0.5	X	(10.660+8.065)	X	7.175	=	67.176	SQM
z2	0.5	X	11.250	X	19.945	=	112.191	SQM
z3	0.5	X	11.250	X	20.020	=	112.613	SQM
z4	0.5	X	11.250	X	9.235	=	51.947	SQM
z5	0.5	X	(1.560+5.545)	X	6.675	=	23.713	SQM
z6	0.5	X	(32.870+37.495)	X	7.635	=	268.618	SQM
z7	0.5	X	(4.850+4.720)	X	5.545	=	26.533	SQM
z8	1	X	5.250	X	0.800	=	4.200	SQM
z9	0.5	X	5.650	X	5.545	=	15.665	SQM
z10	0.5	X	5.505	X	5.610	=	15.442	SQM
z11	0.5	X	(2.980+2.985)	X	0.775	=	2.311	SQM
z12	1	X	3.195	X	3.140	=	10.032	SQM
z13	0.5	X	5.125	X	1.580	=	4.049	SQM
z14	0.5	X	(0.545+3.385)	X	4.550	=	8.941	SQM
z17	1	X	6.720	X	1.600	=	10.752	SQM
z13	1	X	6.420	X	3.200	=	20.544	SQM
					TOTAL	=	893.835	SQM

GROSS – N — UPPER BASEMENT (SERVICE AREA)

NO.	A		B		C				s	AREA OF =S(S-A)(S-B)(S-C)	Area	
d67	4.115	+	5.680	+	5.185	/	2	=	7.490	105.464	10.270	SQM
d69	2.480	+	4.755	+	5.680	/	2	=	6.458	33.999	5.831	SQM
									TOTAL	=	16.100	SQM

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GROSS – E — UPPER BASEMENT (SERVICES AREA)

NO.	A		B		C				s	AREA OF =S(S-A)(S-B)(S-C)	Area	
q	21.415	+	12.420	+	24.405	/	2	=	29.120	17666.974	132.917	SQM
r	6.630	+	15.020	+	13.680	/	2	=	17.665	2054.660	45.328	SQM
t	4.575	+	7.025	+	5.480	/	2	=	8.540	156.977	12.529	SQM
									TOTAL	=	190.775	SQM

GROSS – F — UPPER BASEMENT (SERVICES AREA)

z16	3.14	x	3.075	x	3.075	x	54.00	\	360	-	0.5	x	3.075	-	0.330	x	2.770	=	0.652	sqm.
																	TOTAL	=	0.652	SQM

GROSS – K — UPPER BASEMENT (SERVICES AREA)

1	3.14	x	10.650	x	10.650	x	83.00	\	360	-	0.5	x	10.650	-	2.210	x	14.555	=	20.689	sqm.
																	TOTAL	=	20.689	SQM

GROSS – F1 — UPPER BASEMENT (SERVICE AREA)

NO.	A		B		C				s	AREA OF =S(S-A)(S-B)(S-C)	Area	
15	3.270	+	2.770	+	3.385	/	2	=	4.713	17.529	4.187	SQM
									TOTAL	=	4.187	SQM

NET AREA OF UPPER BASEMENT

GROSS – 1												
=	GROSS – A	+	GROSS – B	+	GROSS – C	-	GROSS – H	-	GROSS – J	-	GROSS – G	
=	4993.459	+	11508.968	+	6.078	-	161.091	-	357.151	-	0.000	
=	15990.263	SQM										

SERVICE AREA OF UPPER BASEMENT

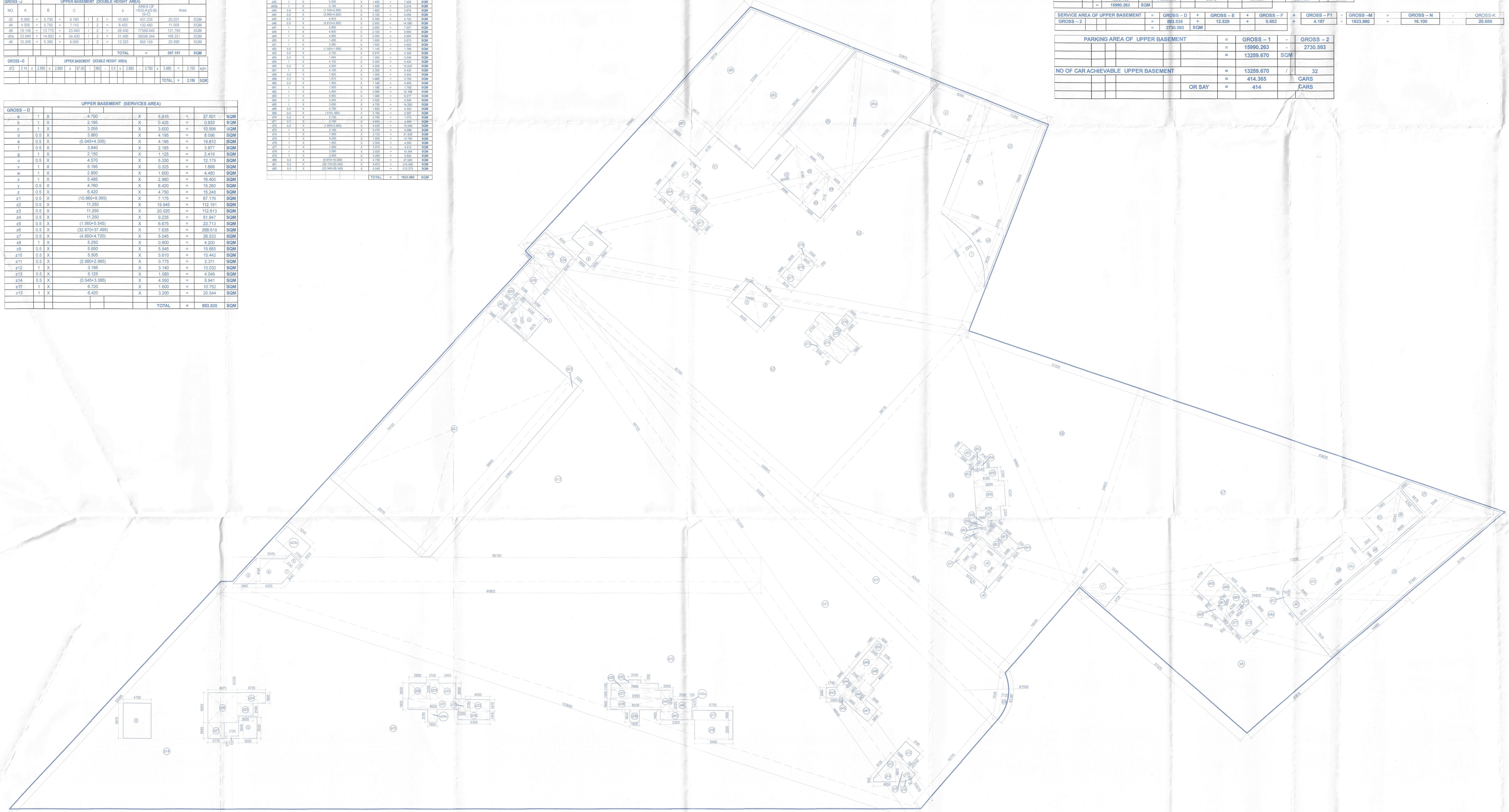
GROSS – 2																	
=	GROSS – D	+	GROSS – E	+	GROSS – F	+	GROSS – F1	+	GROSS –M	+	GROSS – N	-	GROSS-K
=	893.835	+	12.529	+	0.652	+	4.187	+	1823.980	+	16.100	-	20.689
=	2730.593	SQM											

PARKING AREA OF UPPER BASEMENT

=	GROSS – 1	-	GROSS – 2	
=	15990.263	-	2730.593	
=	13259.670	SQM		

NO OF CAR ACHIEVABLE UPPER BASEMENT

=	13259.670	/	32	
=	414.365		CARS	
OR SAY	=	414		CARS



UPPER BASEMENT

Note :-

1. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVENT IS CODES FOR EARTH QUAKE RESISTANCE.

2. BUILDING IS HAS AUTOMATIC SPRINKLER SYSTEM ON ALL FLOORS.

LEGEND:-

Project:

Revised building plan of group housing colony for an area measuring 34.0229 acres (License no.246 of 2007 dated 29.10.2007,Licebse no.56 of 2011 dated 23.06.2011 ,License no. 37 of 2012 dated 22.04.2012,License no.66 of 2012 dated 21.06.2012,License no. 67 of 2012 dated 21.06.2012,License no. 43 of 2014 dated 16.06.2014 and License no.44 of 2014 dated 16.06.2014) Under TOD Policy dated 09.02.2016 in Sector-104,Gurugram Maneasr Urban Complex being developed by Juventus Estate Ltd. and Others.

Associate Architects

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This is a "PROVISIONAL BUILDING PLAN" approved only for the purpose of inviting objections from the general public

Architect(HQ) | STP(HQ) Member Secretary BPAC | STP(G) Member BPAC | CTP(Hr.) Chairman BPAC

DDT(HQ) Member BPAC

OWNER'S SEAL & SIGNATURE

ARCHITECT'S SEAL & SIGNATURE

DINESH KUMAR SD (HQ)

FEB.-2020. | Scale : 1:200

Drawing Title:- UPPER BASEMENT AREA CALCULATION

Drawing No:- BS-03

RO-SUB. REVISED BUILDING PLAN OF GROUP HOUSING COLONY MEASURING 34.0229 ACRES IN SECTOR-104, GURGAON MANESAR URBAN COMPLEX BEING DEVELOPED BY JUVENTUS ESTATED LTD. AND OTHERS.

IB RESI. SEC.-104