

1. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVANT IS CODES FOR EARTH QUAKE RESISTANCE.
2. BUILDING IS HAS AUTOMATIC SPRINKLER SYSTEM ON ALL FLOORS.

	ADDITION - SS (SERVICES (BASEMENT-1))
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ADDITION - B (BASEMENT-1)						
24	=	51,522	X	11,455	=	590,185 320L
				TOTAL	=	590,185 340L

ADDITION - B1 (BASEMENT-1)				
25	=	5,300	X	5,650 = 29,945
			TOTAL	= 29,945

SECTION - A. (GENERAL)									
1	=	2		3	4	5	6	7	8
1	=	2		3	4	5	6	7	8
2	=		3	4	5	6	7	8	9
3	=		4	5	6	7	8	9	10
4	=		5	6	7	8	9	10	11
5	=		6	7	8	9	10	11	12
6	=		7	8	9	10	11	12	13
7	=		8	9	10	11	12	13	14
8	=		9	10	11	12	13	14	15
9	=		10	11	12	13	14	15	16
10	=		11	12	13	14	15	16	17
11	=		12	13	14	15	16	17	18
12	=		13	14	15	16	17	18	19
13	=		14	15	16	17	18	19	20
14	=		15	16	17	18	19	20	21
15	=		16	17	18	19	20	21	22
16	=		17	18	19	20	21	22	23
17	=		18	19	20	21	22	23	24
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54	=		55	56	57	58	59	60	61
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60	=		61	62	63	64	65	66	67
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163	=		164	165	166	167	168	169	170
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166	=		167	168	169	170	171	172	173
167	=		168	169	170	171	172	173	174
168	=		169	170	171	172	173	174	175
169	=		170	171	172	173	174	175	176
170	=		171	172	173	174	175	176	177
171	=								

No.	ADDITION - 5. (PAGE 1-3)					AREA (204)
	A	B	C	1	2	
6	97.61	36.825	+ 106.022	/ 2	132.119	1737.514
7	106.022	+ 115.794	13.817	/ 2	+ 116.317	231434.296
8	7.309	+ 7.664	13.817	/ 2	+ 14.665	615.711
9	14.270	+ 52.547	48.302	/ 2	+ 56.535	94789.590
10	118.394	51.547	17.076	/ 2	= 171.559	9191645.254
11	46.352	+ 60.853	30.110	/ 2	= 68.678	4603038.250
11a	27.644	30.110	5.134	/ 2	= 31.346	3997.323
12	66.893	+ 61.657	11.095	/ 2	= 67.378	153336.311
13	5.124	+ 6.228	2.791	/ 2	= 6.116	36.182
14	26.509	+ 61.657	56.444	/ 2	= 71.561	550690.375
16	55.664	52.125	3.717	/ 2	= 55.663	1031.174
17	15.610	+ 15.162	8.605	/ 2	= 19.203	3980.261
18	40.031	39.125	5.610	/ 2	= 56.863	121222.965
19	10.134	+ 53.883	46.031	/ 2	= 55.024	25344.863
20	53.880	96.416	34.178	/ 2	= 102.101	1405224.662
21	53.555	+ 81.438	91.540	/ 2	= 135.547	1217789.648
			TOTAL		=	11121.345

ADDITION -D (BASELINE-1)						
14	3.14	X	(7.0095-702)	X	78.4/500	- 0.3
						X
						(3.700-2.276)
						X
						11.995
						=
						16.975
						=
						16.975
						222L

EXERCISES-10. (BASEMENT-1)									
61	=	0.5	X	X	(10.250+8.650)	X	13.800	=	268.600 SEDL.
62	=				17.454	X	10.230	=	178.554 SEDL.
63	=				1.728	X	4.000	=	7.708 SEDL.
64	=				50.672	X	10.005	=	546.672 SEDL.
65	=				5.300	X	3.000	=	26.700 SEDL.
							TOTAL	=	1030.784 SEDL.

DEDUCTION-DD (BASEMENT-1)

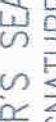
PROPOSED GROUP HOUSING SCHEME MEASURING
7.50 ACRES FALLING IN THE RESIDENTIAL
PLOTTED COLONY MEASURING 393.538 ACRES
(LICENSE NO. 113 OF 2008 DATED
01.06.2008, LICENSE NO. 71 OF 2010 DATED
15.09.2010 & LICENSE NO.62 OF 2011 DATED
05.07.2011) IN SECTOR-81, 82,89-A,83 & 85
GURGAON MANESAR URBAN COMPLEX BEING
DEVELOPED BY VAIKRA LTD. AND OTHERS

R|S|M|S
ARCHITECTS

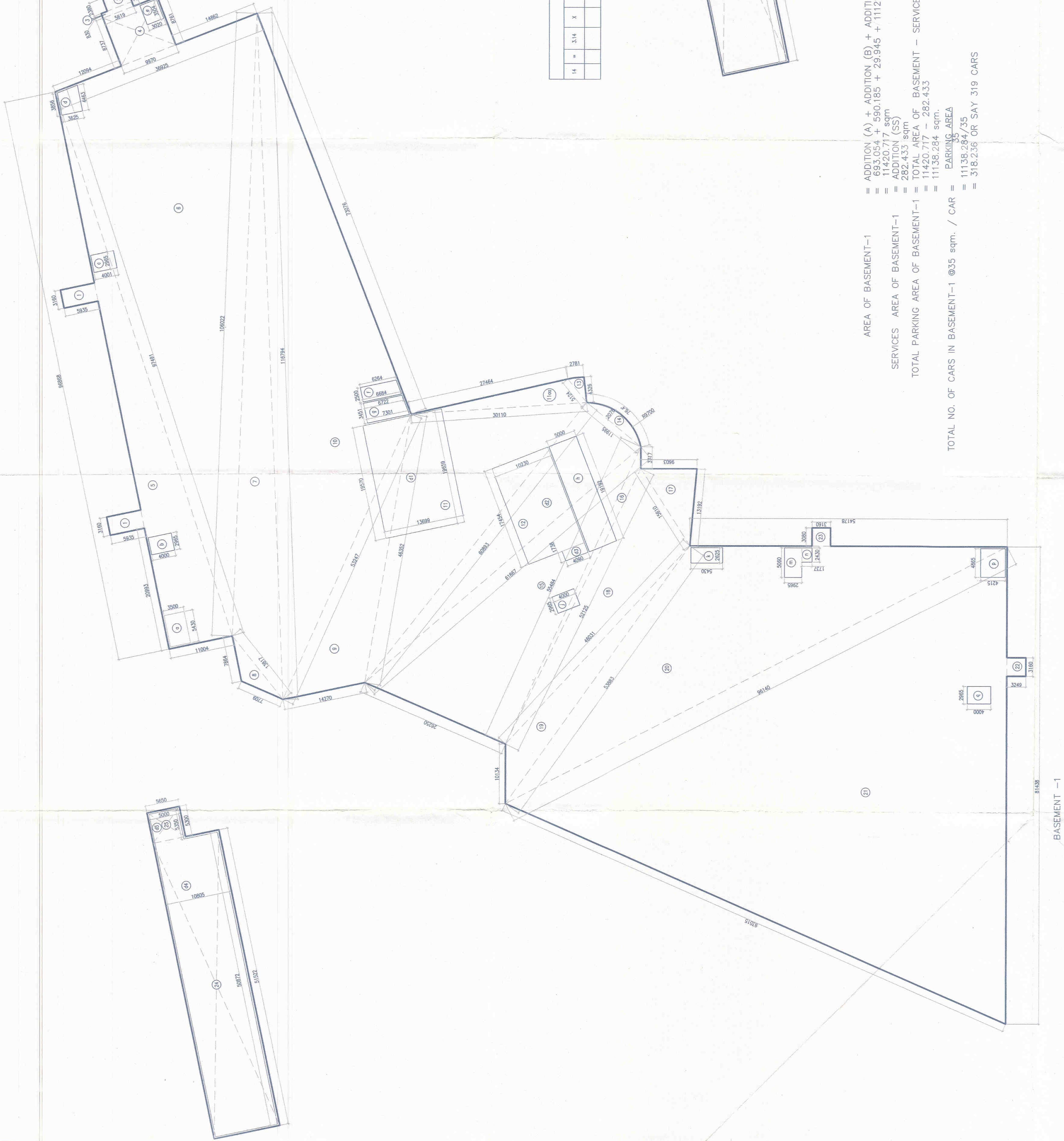
RSMS ARCHITECTS PVT. LTD
39, Nora Niwas Bhawani Kunj
Behind D2), Vasant Kunj,
New Delhi-110070.
Tel.: 011-26898616, 26898617
www.rsms-arch.com

T.P. (G)
Member
P.C.

2
D.T.P. (HQ)
Member Secretary

ARCHITECT'S SEAL & SIGNATURE	OWNER'S SEAL & SIGNATURE
	For M/S VATIKA LIMITED <i>[Signature]</i> Authorized Signatory

JAN 2013.	Scale : 1:200	Drawing No:- BA-03
Drawing Title:- AREA CALCULATION OF BASEMENT-1 & 2		DATE: 24/01/2013



ADDITION. — 1A. (BASEMENT-2)									
2a	=	0.5	Y	50.944	Y	35.375	=	901.072	RED.
9a	=				Y	3.160	=	9.123	RED.
11a	=	0.020	0.020	3.160	Y	3.249	=	10.257	RED.
						TOTAL	=	921.072	RED.

№п/п	A	B	C	D	E	$\text{MSD} = \sqrt{\frac{SS}{n-1}}$	MSD (90%)
014	20,170	+ 2,050	+ 20,345	/	2 =	21,687	28,832
18	20,345	+ 20,166	+ 2,067	/	2 =	21,004	28,830
46	62,140	+ 62,217	+ 15,550	/	2 =	70,128	4818,14
55	62,217	+ 50,448	+ 1,218	/	2 =	67,191	469,252
66	50,449	+ 43,363	+ 12,718	/	2 =	54,330	273,132
78	10,134	+ 43,363	+ 53,240	/	2 =	54,004	154,307
86	53,346	+ 98,146	+ 55,120	/	2 =	103,200	105662,713
106	81,628	+ 93,515	+ 98,140	/	2 =	135,547	3485,305
			TOTAL		=		61964,332

ACTION - 3a (BESIDE-2)												sgn.	
Si	=	3.14	Y	X	68.5/500	-	0.5	Y	X	(1.399-2.40)	15.800	=	27.653
TOTAL													27.653

$$\text{AREA OF BASEMENT-1} = \text{ADDITION (A)} + \text{ADDITION (B)} + \text{ADDITION (B1)} + \text{ADDITION (C)} + \text{ADDITION (D)} - \text{DEDUCTION (DD)}$$

SERVICES AREA OF BASEMENT-1

TOTAL PARKING AREA OF BASEMENT-1 = TOTAL AREA OF BASEMENT - SERVICES AREA OF BASEMENT

$$= 11138.284 \text{ sqm.}$$

TOTAL NO. OF CARS IN BASEMENT-1 @35 sqm. / CAR = $\frac{\text{PARKING AREA}}{35}$

$$= 11138.284/35$$

= 318.236 UK SAY 319 CARS

ADDITION - 4A. (BASEMENT-2)						
120	=	51,522	X	11,455	=	590,185 200L
				TOTAL	=	590,185 200L

ADDITION -- 5A (BASEMENT-1)				
136	=	5,300	X	5,650 = 29,945 8000.
				TOTAL = 29,945 8000.

		ADDITION -3, PARAMETER-2									
		0.5	X	(10.954-16.047)	X	13.429	=	297.244	502L		
a2	a2	0.5	X	(2.387-3.168)	X	5.946	=	177.116	502L		
a3	a3			17.454		10.230	=	128.564	502L		
a4	a4			1.728		4.909	=	7.108	502L		
a5	a5			2.629		14.524	=	20.506	502L		
a6	a6			4.865		4.215	=	20.506	502L		
a7	a7			50.872		10.605	=	546.872	502L		
a8	a8			5.350		5.000	=	20.750	502L		
						TOTAL	=	100.805	502L		

$$\text{AREA OF BASEMENT} - 2 \quad = \text{ADDITION (1A)} + \text{ADDITION (2A)} + \text{ADDITION (3A)} + \text{ADDITION (4A)} + \text{ADDITION (5A)}$$
$$= 921.072 + 618$$

... ..

$$= 1081.805 \text{ sqm}$$
$$\begin{aligned} \text{PARKING AREA OF BASEMENT-2} &= \text{TOTAL AREA OF BASEMENT-2} \\ &= 7734.787 - 1111.111 \\ &= 6623.676 \text{ sq. m.} \end{aligned}$$
$$= 6652.982 \text{ sqm.}$$

BASEMENT-2 @ 35 cm / CAR - PARKING AREA

$$= 6652.982 / 35$$

= 190.085 OR SAY 190 CARS