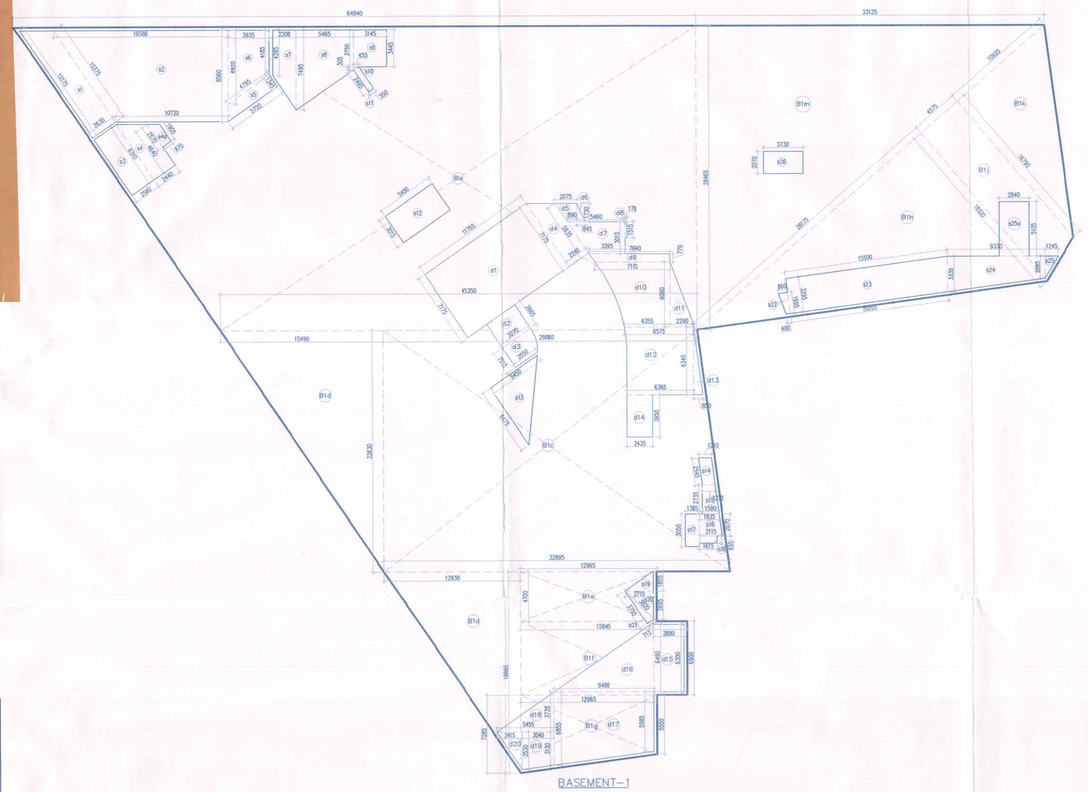


BASEMENT–1

AREA CALCULATION OF BASEMENT-1

GROSS - 1												
B1a	=	0.5	X	64.840	+	45.350	X	28.465	=	1568.279	SQM
B1b	=	0.5		X		15.490	X	22.630	=	175.269	SQM
B1c	=	0.5	X	29.860	+	32.895	X	22.630	=	710.073	SQM
B1d	=	0.5		X		12.930	X	18.885	=	122.092	SQM
B1e	=	1		X		12.965	X	4.700	=	60.936	SQM
B1f	=	1		X		15.845	X	6.900	=	109.331	SQM
b1g	=	0.5	X	5.550	+	7.285	X	12.965	=	83.203	SQM
B1h	=	0.5		X		28.175	X	18.320	=	258.083	SQM
B1j	=	0.5	X	16.795	+	18.320	X	4.575	=	80.326	SQM
B1k	=	0.5		X		16.795	X	10.920	=	91.701	SQM
B1m	=	0.5		X		33.125	X	28.465	=	471.452	SQM
								TOTAL	=	3730.743	SQM

DEDUCTION AREA											
GROSS - 2											
d1	=	1		X		11.765	X	7.175	=	84.414	SQM
d2	=	1		X		3.270	X	2.685	=	8.715	SQM
d3	=	0.5	X	3.270	+	2.550	X	2.215	=	6.446	SQM
d4	=	0.5	X	5.630	+	7.175	X	2.245	=	14.379	SQM
d5	=	0.5	X	2.075	+	0.890	X	1.730	=	2.565	SQM
d6	=	0.5		X		0.845	X	1.730	=	0.731	SQM
d7	=	0.5	X	5.460	+	3.395	X	3.015	=	13.349	SQM
d8	=	1		X		0.170	X	1.515	=	0.258	SQM
d9	=	0.5	X	7.640	+	7.115	X	0.770	=	5.681	SQM
d10	=	0.5	X	7.115	+	4.355	X	8.090	=	34.938	SQM
d11	=	0.5		X		2.290	X	6.095	=	6.973	SQM
d12	=	0.5	X	6.575	+	6.365	X	6.345	=	41.052	SQM
d13	=	0.5		X		0.850	X	6.345	=	2.697	SQM
d14	=	1		X		2.435	X	3.950	=	9.618	SQM
d15	=	1		X		2.880	X	6.300	=	18.144	SQM
d16	=	0.5		X		5.460	X	5.490	=	30.783	SQM
d17	=	0.5	X	5.585	+	6.855	X	9.480	=	58.998	SQM
d18	=	1		X		5.455	X	3.735	=	10.187	SQM
d19	=	0.5	X	3.120	+	3.530	X	3.040	=	10.108	SQM
d20	=	0.5		X		2.415	X	3.530	=	4.262	SQM
								TOTAL	=	364.232	SQM

SERVICES AREA											
GROSS - 3											
s1	=	0.5	X	10.375	+	12.175	X	2.630	=	29.653	SQM
s2	=	0.5	X	16.580	+	10.720	X	8.560	=	116.844	SQM
s3	=			X		2.560	X	6.310	=	16.154	SQM
s4	=	0.5	X	4.640	+	6.310	X	2.440	=	13.359	SQM
s4a	=	0.5	X	1.905	+	2.570	X	0.970	=	2.178	SQM
s5	=	0.5	X	4.795	+	5.720	X	1.345	=	7.071	SQM
s6	=	0.5	X	4.185	+	6.920	X	3.935	=	21.649	SQM
s7	=	0.5	X	4.285	+	7.495	X	2.200	=	12.958	SQM
s8	=	0.5	X	7.495	+	3.750	X	5.465	=	30.727	SQM
s9	=	1		X		3.145	X	3.445	=	10.835	SQM
s10	=	0.5		X		0.455	X	0.305	=	0.069	SQM
s11	=	1		X		2.495	X	0.550	=	1.372	SQM
s12	=	1		X		5.450	X	3.015	=	16.432	SQM
s13	=	0.5		X		5.450	X	6.475	=	17.644	SQM
s14	=	0.5	X	1.210	+	1.210	X	2.545	=	3.079	SQM
s15	=	0.5	X	1.210	+	1.580	X	2.735	=	3.815	SQM
s16	=	0.5	X	1.835	+	2.115	X	2.070	=	4.088	SQM
s17	=	1		X		1.385	X	3.050	=	4.224	SQM
s18	=	1		X		1.615	X	0.655	=	1.058	SQM
s19	=	0.5		X		2.710	X	1.855	=	2.514	SQM
s20	=	0.5		X		2.710	X	2.695	=	3.652	SQM
s21	=	0.5		X		0.715	X	3.755	=	1.342	SQM
s22	=	0.5	X	0.860	+	0.400	X	1.995	=	1.257	SQM
s23	=	0.5	X	15.920	+	18.055	X	3.295	=	50.330	SQM
s24	=	0.5	X	3.335	+	2.085	X	9.330	=	25.294	SQM
s25	=	0.5		X		1.245	X	2.085	=	1.298	SQM
s25a	=	1		X		2.840	X	5.105	=	14.498	SQM
s26	=	1		X		3.730	X	2.070	=	7.721	SQM
								TOTAL	=	421.308	SQM

NET AREA OF BASEMENT -1					
=	GROSS - 1	-	GROSS – 2	-	
=	3730.743	-	364.232	-	
=	3366.510		SQM		
2 AREA OF BASEMENT-1		=	GROSS - 3		
		=	421.308	– 421.308	SQM
2 AREA OF BASEMENT-1		=	NET AREA OF BASEMENT -1	-	SERVICE AREA OF BASEMENT -1
		=	3366.510		421.308
		=	2945.202		SQM
NO OF CAR ACHIEVABLE		=	2945.202	/	35
		=	84.149	CARS	
		OR SAY	84	CARS	

AREA CALCULATION OF BASEMENT-2

GROSS -1											
B2a	=	0.5	X	64.840	+	45.350	X	28.465	=	1568.279	SQM
B2b	=	0.5		X		33.125	X	28.465	=	471.452	SQM
B2c	=	0.5		X		28.175	X	18.320	=	258.083	SQM
B2d	=	0.5		X		15.490	X	22.630	=	175.269	SQM
B2e	=	0.5	X	29.860	+	32.895	X	22.630	=	710.073	SQM
B2f	=	0.5	X	25.895	+	22.675	X	4.700	=	114.140	SQM
b2g	=	0.5		X		9.710	X	14.185	=	68.868	SQM
B2h	=	1		X		15.845	X	6.900	=	109.331	SQM
B2j	=	0.5	X	7.285	+	5.550	X	12.965	=	83.203	SQM
B2m	=	0.5	X	18.320	+	16.795	X	4.575	=	80.326	SQM
B2n	=	0.5		X		16.795	X	10.920	=	91.701	SQM
								TOTAL	=	3730.723	SQM

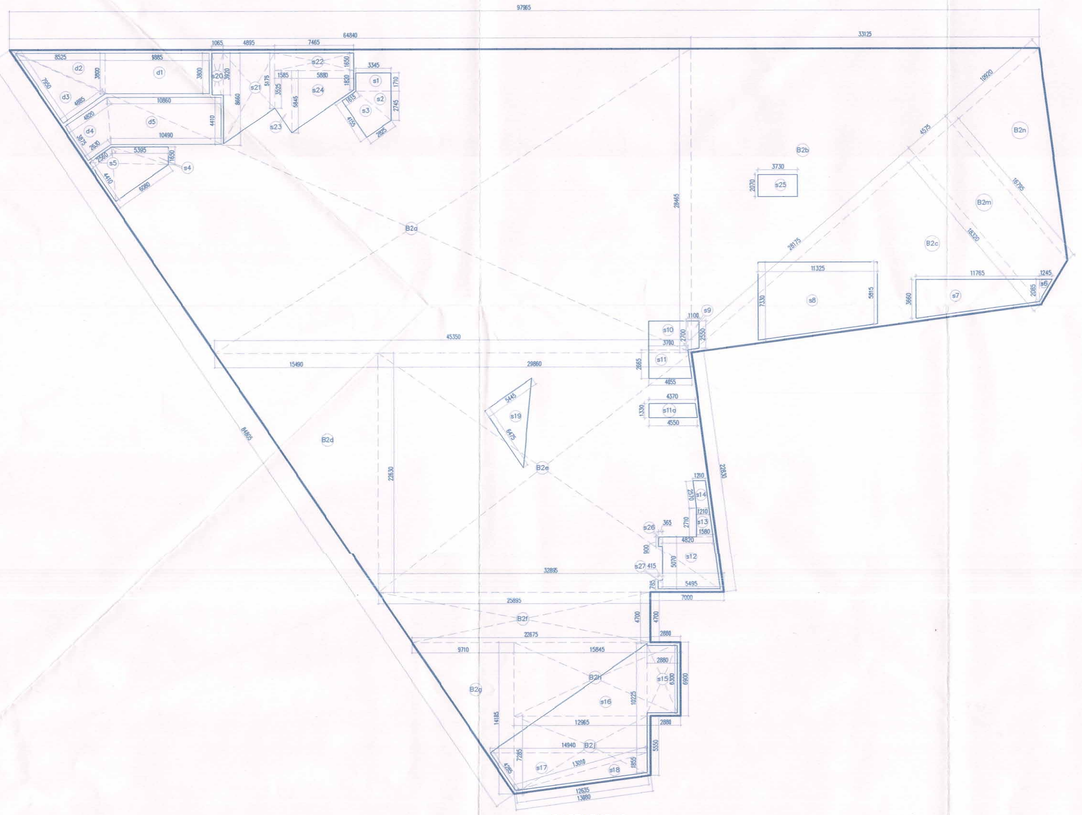
DEDUCTION AREA											
GROSS - 2											
d1	=	1		X		9.885	X	3.800	=	37.563	SQM
d2	=	0.5		X		8.525	X	3.800	=	16.198	SQM
d3	=	0.5		X		4.885	X	7.950	=	19.418	SQM
d4	=	0.5	X	4.820	+	2.630	X	3.875	=	14.434	SQM
d5	=	0.5	X	10.950	+	10.490	X	4.410	=	47.077	SQM
								TOTAL	=	134.690	SQM

SERVICES AREA											
GROSS - 3											
s1	=	1		X		3.345	X	1.710	=	5.720	SQM
s2	=	0.6		X		3.345	X	2.745	=	4.591	SQM
s3	=	0.5	X	1.615	+	2.825	X	4.155	=	9.224	SQM
s4	=	0.5		X		4.395	X	1.950	=	4.461	SQM
s5	=	0.5	X	2.560	+	6.080	X	4.410	=	19.051	SQM
s6	=	0.5		X		4.245	X	2.685	=	1.298	SQM
s7	=	0.5	X	3.660	+	2.085	X	11.765	=	33.795	SQM
s8	=	0.5	X	3.815	+	7.330	X	11.325	=	74.434	SQM
s9	=	0.5	X	2.550	+	3.700	X	1.100	=	2.888	SQM
s10	=	1		X		3.700	X	2.700	=	9.990	SQM
s11	=	0.6	X	4.055	+	3.700	X	2.665	=	10.334	SQM
s11a	=	0.5	X	4.550	+	4.370	X	1.330	=	5.932	SQM
s12	=	0.5	X	4.620	+	5.495	X	5.070	=	26.149	SQM
s13	=	0.5	X	1.560	+	1.210	X	2.710	=	3.780	SQM
s14	=	1		X		1.210	X	2.570	=	3.110	SQM
s15	=	1		X		2.880	X	6.300	=	18.144	SQM
s16	=	0.5		X		14.940	X	10.225	=	76.381	SQM
s19	=	0.5		X		5.445	X	6.475	=	17.628	SQM
s20	=	1		X		1.065	X	3.920	=	4.175	SQM
s21	=	0.5	X	8.660	+	5.175	X	4.695	=	33.861	SQM
s22	=	1		X		7.465	X	1.650	=	12.317	SQM
s23	=	0.5	X	3.525	+	5.845	X	1.565	=	7.426	SQM
s24	=	0.5	X	5.845	+	1.820	X	5.880	=	22.535	SQM
s25	=	1		X		3.730	X	2.070	=	7.721	SQM
s26	=	1		X		0.365	X	0.900	=	0.329	SQM
s27	=	1		X		0.415	X	0.785	=	0.326	SQM
								TOTAL	=	415.587	SQM

NET AREA OF BASEMENT -2							
=	GROSS - 1	-	GROSS - 2				
=	3730.723	-	134.690				
=	3596.034		SQM				
SERVICE AREA OF BASEMENT-2	=	GROSS - 3	+	GROSS - 4			
	=	415.587	+	38.033	=	453.621	SQM
PARKING AREA OF BASEMENT-2	=	NET AREA OF BASEMENT – 2		-	SERVICE AREA OF BASEMENT - 2		
	=	3596.034			453.621		
	=	3142.413		SQM			
NO OF CAR ACHIEVABLE		=	3142.413	/	35		
		=	89.783	CARS			
		OR SAY	90	CARS			

NO.	A		B		C				S	AREA OF = S(S-A)(S-B)(S-C)		Area	
SERVICES AREA													
GROSS -4													
s17	14.940	+	13.010	+	4.285	/	2	=	16.118	697.825	1	26.416	SQM
s18	13.010	+	12.635	+	1.855	/	2	=	13.750	134.950	1	11.617	SQM
										TOTAL	=	38.033	SQM

SERVICES AREA													
GROSS - 3													
S8	6.040	+	4.520	+	6.015	/	2	=	8.2875	159.471	1	12.628	SQM
S9	10.075	+	4.520	+	11.910	/	2	=	13.2525	493.669	1	22.219	SQM
S10	11.910	+	8.470	+	5.115	/	2	=	12.7475	348.551	1	18.670	SQM
S41	4.180	+	0.750	+	3.635	/	2	=	4.2625	1.004	1	1.002	SQM
										TOTAL	=	54.518	SQM



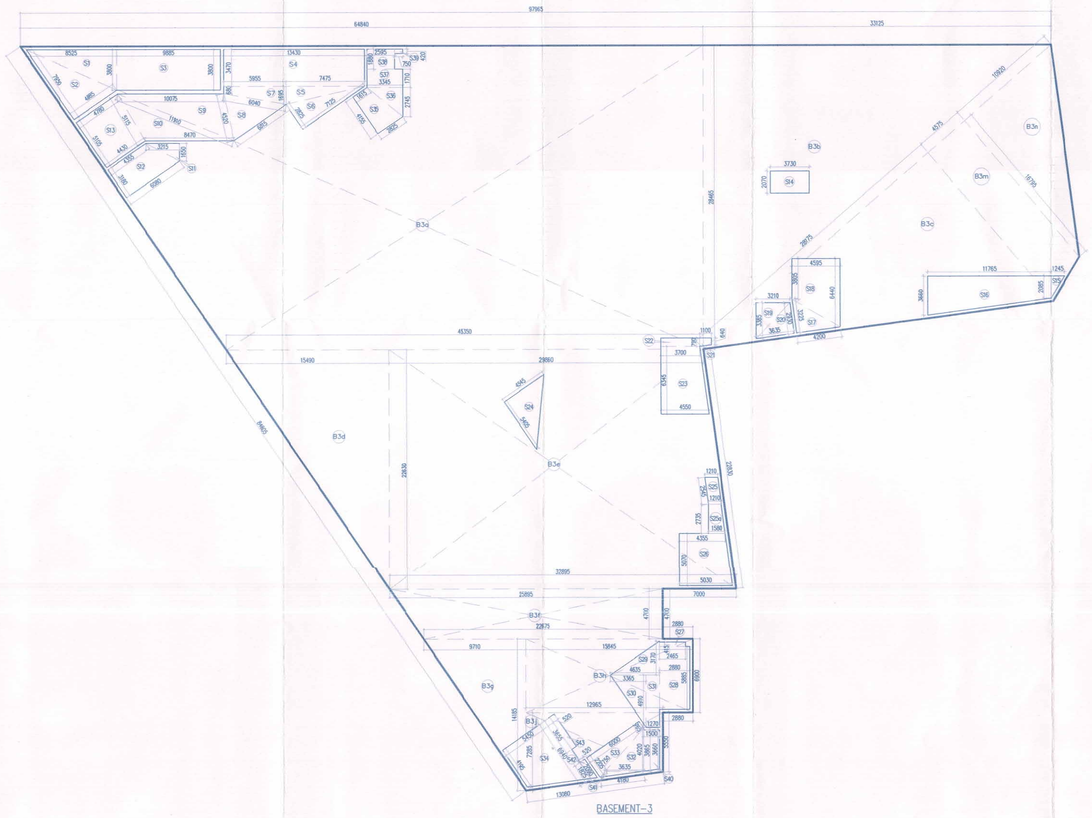
BASEMENT–2

AREA CALCULATION OF BASEMENT- 3

GROSS -1											
B3a	=	0.5	X	64.840	+	45.350	X	28.465	=	1568.279	SQM
B3b	=	0.5		X		33.125	X	28.465	=	471.452	SQM
B3c	=	0.5		X		28.175	X	18.320	=	258.083	SQM
B3d	=	0.5		X		15.490	X	22.630	=	175.269	SQM
B3e	=	0.5	X	29.860	+	32.895	X	22.630	=	710.073	SQM
B3f	=	0.5	X	25.895	+	22.675	X	4.700	=	114.140	SQM
B3g	=	0.5		X		9.710	X	14.185	=	68.868	SQM
B3h	=	1		X		15.845	X	6.900	=	109.331	SQM
B3j	=	0.5	X	7.285	+	5.550	X	12.965	=	83.203	SQM
B3m	=	0.5	X	18.320	+	16.795	X	4.575	=	80.326	SQM
B3n	=	0.5		X		10.920	X	16.795	=	91.701	SQM
								TOTAL	=	3730.723	SQM

SERVICES AREA											
GROSS -2											
S1	=	0.5		X		8.525	X	3.800	=	16.198	SQM
S2	=	0.5		X		4.885	X	7.950	=	19.418	SQM
S3	=	1		X		9.885	X	3.800	=	37.563	SQM
S4	=	1		X		13.430	X	3.470	=	46.602	SQM
S5	=	0.5		X		1.695	X	7.475	=	6.326	SQM
S6	=	0.5		X		2.825	X	7.125	=	10.064	SQM
S7	=	0.5	X	0.680	+	1.695	X	5.955	=	7.072	SQM
S11	=	0.5		X		3.215	X	1.650	=	2.652	SQM
S12	=	0.5	X	4.355	+	6.080	X	3.180	=	16.592	SQM
S13	=	0.5	X	4.790	+	4.430	X	5.105	=	23.509	SQM
S14	=	1		X		3.730	X	2.070	=	7.721	SQM
S15	=	0.5		X		1.245	X	2.085	=	1.298	SQM
S16	=	0.5	X	2.085	+	3.660	X	11.765	=	33.795	SQM
S17	=	0.5		X		4.200	X	3.225	=	6.773	SQM
S18	=	0.5	X	3.805	+	6.440	X	4.595	=	23.538	SQM
S19	=	0.5		X		3.210	X	3.385	=	5.433	SQM
S20	=	0.5		X		3.635	X	2.930	=	5.325	SQM
S21	=	0.5	X	0.790	+	0.640	X	1.100	=	0.787	SQM
S22	=	1		X		3.700	X	0.790	=	2.923	SQM
S23	=	0.5	X	3.700	+	4.550	X	6.345	=	36.173	SQM
S24	=	0.5		X		4.545	X	5.405	=	12.283	SQM
S25	=	0.5	X	1.210	+	1.210	X	2.545	=	3.079	SQM
S25a	=	0.5	X	1.210	+	1.580	X	2.735	=	3.815	SQM
S26	=	0.5	X	4.355	+	5.030	X	5.070	=	23.791	SQM
S27	=	1		X		2.465	X	0.415	=	1.023	SQM
S28	=	1		X		2.880	X	5.885	=	16.949	SQM
S29	=	0.5		X		4.635	X	3.170	=	7.346	SQM
S30	=	0.5		X		3.365	X	4.910	=	8.261	SQM
S31	=	1		X		1.270	X	4.910	=	6.236	SQM
S32	=	0.5		X		3.635	X	4.020	=	7.306	SQM
S33	=	0.5	X	0.765	+	2.205	X	6.000	=	8.912	SQM
S34	=	0.5	X	4.195	+	6.940	X	5.450	=	30.343	SQM
S35	=	0.5	X	2.825	+	1.615	X	4.155	=	9.224	SQM
S36	=	0.5		X		3.345	X	2.745	=	4.591	SQM
S37	=	1		X		3.345	X	1.710	=	5.720	SQM
S38	=	1		X		2.595	X	1.880	=	4.879	SQM
S39	=	1		X		0.750	X	0.420	=	0.315	SQM
S40	=	0.5	X	3.865	+	3.660	X	1.500	=	5.644	SQM
S42	=	0.5	X	1.825	+	2.090	X	0.520	=	1.018	SQM
S43	=	1		X		0.520	X	3.655	=	1.901	SQM
								TOTAL	=	462.483	SQM

NET AREA OF BASEMENT -3					
=	GROSS - 1				
=	3730.723	SQM			
SERVICE AREA OF BASEMENT-3	=	GROSS – 2	+	GROSS – 3	
	=	462.483	+	54.518	= 516.921 SQM
PARKING AREA OF BASEMENT-3	=	NET AREA OF BASEMENT -3		-	SERVICE AREA OF BASEMENT - 3
	=	3730.723			516.921
	=	3213.802		SQM	
NO OF CAR ACHIEVABLE		=	3213.802	/	35
		=	91.823	CARS	
		OR SAY	92	CARS	

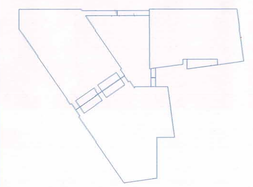


BASEMENT–3

Note :-

1. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVENT IS CODES FOR EARTH QUAKE RESISTANCE.
2. BUILDING IS ARTIFICIALLY LIGHTED MECHANICALLY VENTILATED & WITH 100% POWER BACKUP

LEGEND: –



KEY PLAN

Project:

PROPOSED BUILDING PLAN OF COMMERCIAL SITE MEASURING–1.60 ACRES,BLOCK–F (82) FALLING IN RESIDENTIAL PLOTTED COLONY MEASURING – 477.206 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 02.07.2011,LICENSE NO. 76 OF 2011 DATED 07.09.2011 & LICENSE NO.66 OF 2014 DATED 15–07–2014) IN SECTOR–81 TO 85, GURGAON MANESAR URBAN COMPLEX BEING DEVELOPED BY VATIKA LTD. AND OTHERS

project Architects

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Sanctioned and valid for Five Years
Subject to validity of Licence CLU
Chairman
Building Plan Committee Controlled Area
Gurgaon Circle, Gurgaon

OWNER'S SEAL & SIGNATURE

VATIKA LIMITED
Auth. Signatory

ARCHITECT'S SEAL & SIGNATURE

SUA Architects

MAY – 2018 | Scale : 1:200

Drawing Title:– AREA CALCULATION OF BASEMENT–01,02 & 03

Drawing No:– BS–04

R0–SUB. | REVISED BUILDING PLAN OF COMMERCIAL SITE MEASURING–1.60 ACRES AT SECTOR–81 TO 85, GURGAON MANESAR URBAN COMPLEX BEING DEVELOPED BY VATIKA LTD. AND OTHERS | VATIKA TOWN SQUARE – 2