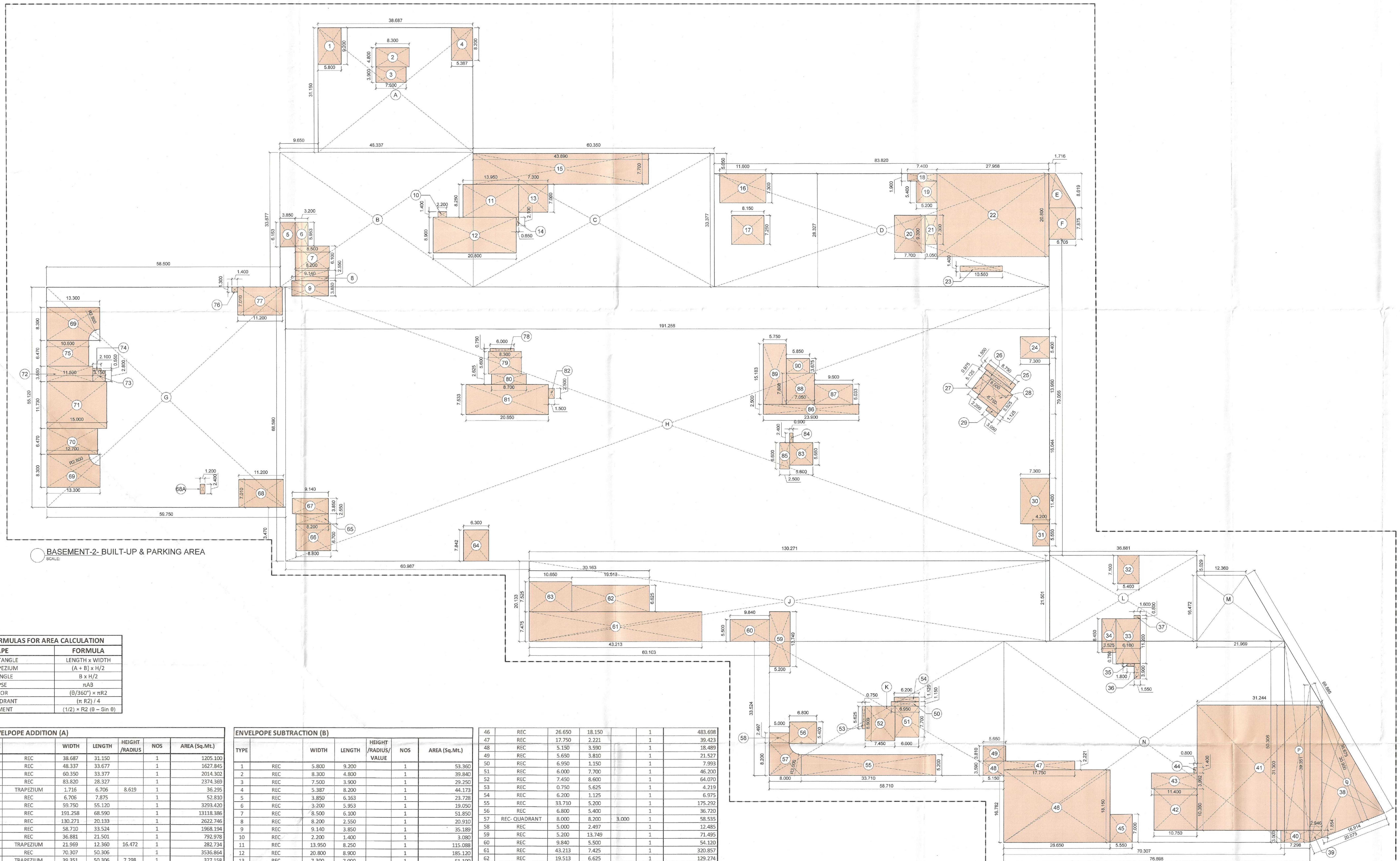

BASEMENT-2- BUILT-UP & PARKING AREA
SCALE:

FORMULAS FOR AREA CALCULATION	
SHAPE	FORMULA
RECTANGLE	LENGTH x WIDTH
TRAPEZIUM	(A + B) x H/2
TRIANGLE	B x H/2
ELLIPSE	πAB
SECTOR	(θ/360°) × πR2
QUADRANT	(π R2) / 4
SEGMENT	(1/2) × R2 (θ – Sin θ)

ENVELPOPE ADDITION (A)

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS	NOS	AREA (Sq.Mt.)
A	REC	38.687	31.150		1	1205.100
B	REC	48.337	33.677		1	1627.845
C	REC	60.350	33.377		1	2014.302
D	REC	83.820	28.327		1	2374.369
E	TRAPEZIUM	1.716	6.706	8.619	1	36.295
F	REC	6.706	7.875		1	52.810
G	REC	59.750	55.120		1	3293.420
H	REC	191.258	68.590		1	13118.386
J	REC	130.271	20.133		1	2622.746
K	REC	58.710	33.524		1	1968.194
L	REC	36.881	21.501		1	792.978
M	TRAPEZIUM	21.969	12.360	16.472	1	282.734
N	REC	70.307	50.306		1	3536.864
P	TRAPEZIUM	39.351	50.306	7.298	1	327.158
Q	TRIANGLE	20.075		36.675	1	368.125
TOTAL (A)						33621.327

BASEMENT-2 BUILTUP CALCULATION	
BASEMENT-2 BUILTUP AREA	A
	33621.327

BASEMENT-2 PARKING CALCULATION	
BASEMENT-2 PARKING AREA	A - B
	33621.327 - 6911.320
	26710.007

PARKING DETAIL	
PARKING AREA (Sq.Mt.)	26710.007
PROPOSED ECS BY AREA @ 32 Sq.Mt.	834.688
SAY ECS	835
PROVIDED BY BAY Nos	662

ENVELPOPE SUBTRACTION (B)

TYPE		WIDTH	LENGTH	HEIGHT /RADIUS/ VALUE	NOS	AREA (Sq.Mt.)
1	REC	5.800	9.200		1	53.360
2	REC	8.300	4.800		1	39.840
3	REC	7.500	3.900		1	29.250
4	REC	5.387	8.200		1	44.173
5	REC	3.850	6.163		1	23.728
6	REC	3.200	5.953		1	19.050
7	REC	8.500	6.100		1	51.850
8	REC	8.200	2.550		1	20.910
9	REC	9.140	3.850		1	35.189
10	REC	2.200	1.400		1	3.080
11	REC	13.950	8.250		1	115.088
12	REC	20.800	8.900		1	185.120
13	REC	7.300	7.000		1	51.100
14	REC	0.650	2.100		1	1.365
15	REC	43.890	7.700		1	337.953
16	REC	11.600	7.300		1	84.680
17	REC	8.150	7.250		1	59.088
18	REC	7.400	1.900		1	14.060
19	REC	5.200	5.400		1	28.080
20	REC	7.700	9.300		1	71.610
21	REC	3.050	7.300		1	22.265
22	REC	27.958	20.800		1	581.526
23	REC	10.550	1.400		1	14.770
24	REC	7.300	5.400		1	39.420
25	REC	8.750	1.550		1	13.563
26	REC	8.000	0.975		1	7.800
27	REC	2.200	5.125		1	11.275
28	REC	6.750	5.925		1	39.994
29	REC	3.050	1.125		1	3.431
30	REC	7.300	11.400		1	83.220
31	REC	4.200	5.550		1	23.310
32	REC	5.400	7.100		1	38.340
33	REC	6.100	11.200		1	68.320
34	REC	3.525	8.450		1	29.786
35	REC	1.800	0.750		1	1.350
36	REC	1.550	3.900		1	6.045
37	REC	1.600	0.800		1	1.280
38	TRIANGLE	16.914		30.900	1	261.321
39	TRAPEZIUM	3.000	1.854	2.946	1	7.150
40	REC	7.298	3.000		1	21.894
41	REC	31.244	31.300		1	977.937
42	REC	10.750	10.350		1	111.263
43	REC	11.400	3.992		1	45.509
44	REC	0.800	1.400		1	1.120
45	REC	5.550	7.000		1	38.850
46	REC	26.650	18.150		1	483.698
47	REC	17.750	2.221		1	39.423
48	REC	5.150	3.590		1	18.489
49	REC	5.650	3.810		1	21.527
50	REC	6.950	1.150		1	7.993
51	REC	6.000	7.700		1	46.200
52	REC	7.450	8.600		1	64.070
53	REC	0.750	5.625		1	4.219
54	REC	6.200	1.125		1	6.975
55	REC	33.710	5.200		1	175.292
56	REC	6.800	5.400		1	36.720
57	REC- QUADRANT	8.000	8.200	3.000	1	58.535
58	REC	5.000	2.497		1	12.485
59	REC	5.200	13.749		1	71.495
60	REC	9.840	5.500		1	54.120
61	REC	43.213	7.425		1	320.857
62	REC	19.513	6.625		1	129.274
63	REC	10.650	7.525		1	80.141
64	REC	6.300	7.842		1	49.405
65	REC	8.200	2.550		1	20.910
66	REC	8.800	6.700		1	58.960
67	REC	9.140	3.850		1	35.189
68	REC	11.200	7.010		1	78.512
68A	REC	1.200	2.400		1	2.880
69	REC- QUADRANT	13.300	8.300	2.800	2	208.471
70	REC	12.700	6.470		1	82.169
71	REC	15.000	11.730		1	175.950
72	REC	11.500	3.850		1	44.275
73	REC	3.150	2.800		1	8.820
74	REC	2.100	0.550		1	1.155
75	REC	10.500	6.470		1	67.935
76	REC	1.400	1.300		1	1.820
77	REC	11.200	7.010		1	78.512
78	REC	6.000	0.750		1	4.500
79	REC	8.300	5.600		1	46.480
80	REC	8.700	2.625		1	22.838
81	REC	20.650	7.532		1	155.536
82	REC	1.500	2.500		1	3.750
83	REC	5.800	5.650		1	32.770
84	REC	0.900	2.400		1	2.160
85	REC	2.500	6.600		1	16.500
86	REC	23.900	2.500		1	59.750
87	REC	9.600	5.032		1	48.307
88	REC	7.050	7.808		1	55.046
89	REC	5.750	15.182		1	87.297
90	REC	5.850	3.675		1	21.499
E	TRAPEZIUM	1.716	6.706	8.619	1	36.295
F	REC	6.706	7.875		1	52.810
TOTAL (B)						6911.320

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

S.T.P (HQ) Member Secretary B.P.A.C.
S.T.P (G) Member B.P.A.C.
C.T.P (Hr.) Chairman B.P.A.C.
DTP (HQ) ATP (HQ)
AD PA ATP
Ram Avtar Bassi JD(HQ)
DDT (HQ) Member BPAC

NOTES:
1. ALL LIFTS SHALL HAVE 100%POWER BACKUP.
2. ALL ELECTRICAL INSTALLATIONS SHALL BE AS PER PROVISION OF NBC.
3. FIRE FIGHTING/SAFETY PROVISIONS WILL BE AS PER RELEVANT NBC PROVISIONS.
4. BUILDING STRUCTURE DESIGNED EARTHQUAKE RESISTANT.
5. MAIN ENTRY & BOUNDARY WALL AS PER STANDARD DESIGN.
6. TOILET WILL BE MECHANICALLY VENILATED WITH 100% POWER BACKUP.

PROJECT:
REVISED BUILDING PLAN OF COMMERCIAL COLONY MEASURING 10.4375 ACRES (LICENSE NO. 56 OF 2013 DATED 10.07.2013) IN SECTOR-88, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY ADVANCE INDIA PROJECTS LIMITED

OWNER SIGN
M/S Advance India Projects Ltd
Authorised Signatory

ARCHITECT SIGN
Ar. Shashank Dixit CA/2012/55584 B.Arch

DRAWING TITLE:
BASEMENT-2
BUILT UP & PARKING AREA CALCULATION

DATE:	SHEET NO	NORTH
SCALE: 1:400	B2B	