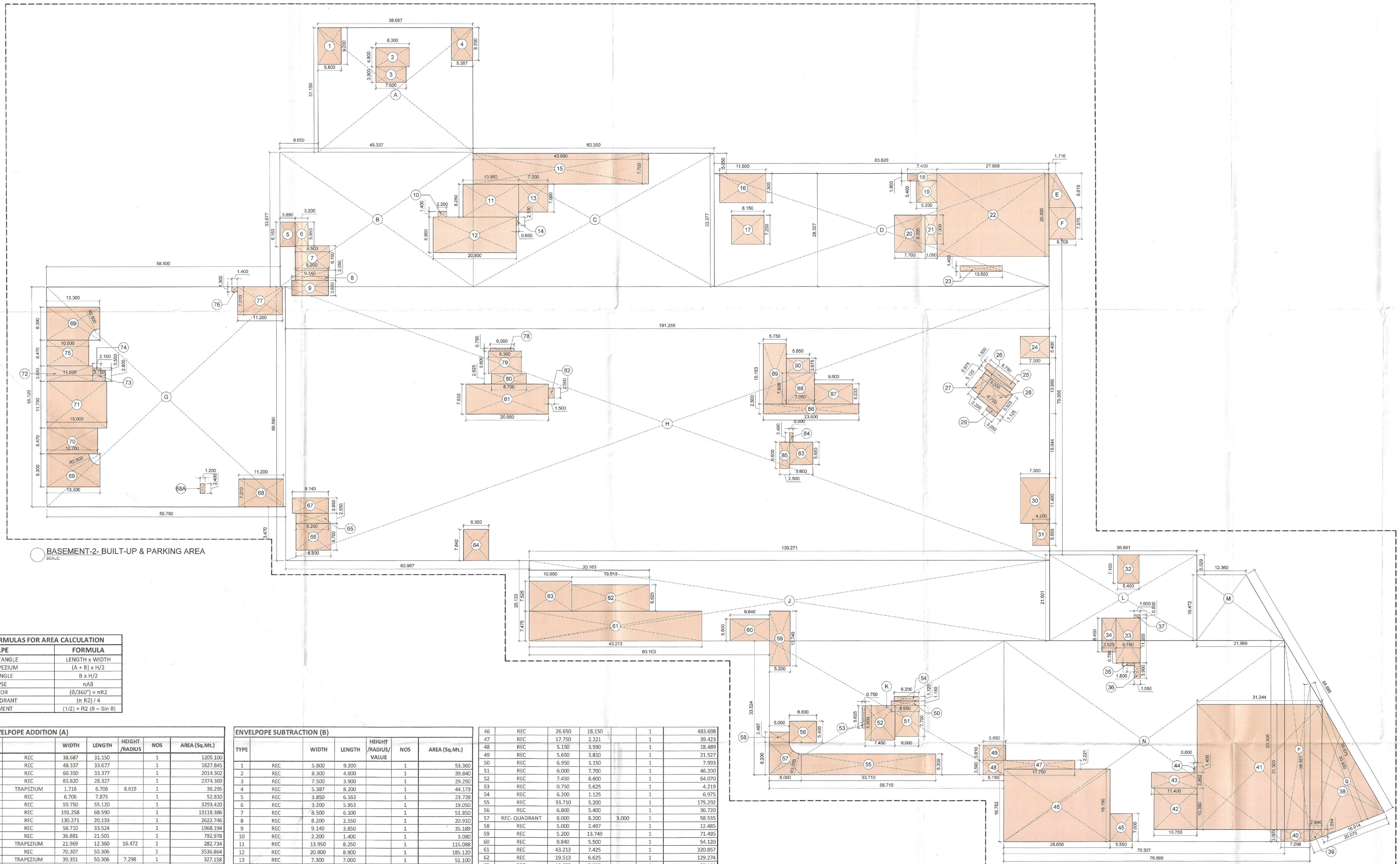


BASEMENT-2- BUILT-UP & PARKING AREA

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

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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/2012/55665 B.Arch, MCP

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

DATE:	SHEET NO	NORTH
SCALE: 1:400	B2B	



LEGEND :-

1. (A) 100 Ø DRAIN PIPE WITH (150 x 150 mm CUT OUT)
2. (B) SUMP DISCHARGE PIPE (SDP)
3. SOIL PIPE
4. 100 Ø PWR PIPE WTP
5. 100 Ø PWR PIPE STP

DOOR AND WINDOW SCHEDULE					
S.NO	TAG	WIDTH	SILL	LINTEL	HEIGHT
1	FGL1	57800	0	4000	4000
2	FGL2	57250	0	4000	4000
3	FGL3	31850	0	4000	4000
4	FGL4	26650	0	4000	4000
5	FGL5	25500	0	4000	4000
6	FGL6	24350	0	4000	4000
7	FGL7	18850	0	4000	4000
8	FGL8	13200	0	4000	4000
9	FGL9	10850	0	4000	4000
10	GL10	8800	0	4000	4000
11	FGL11	8000	0	4000	4000
12	GL12	6875	0	4000	4000
13	FGL13	6200	0	4000	4000
14	FGL14	6135	0	4000	4000
15	FGL15	6000	0	4000	4000
16	GL16	5075	0	4000	4000
17	FGL17	4000	0	4000	4000
18	GL18	3925	0	4000	4000
19	GL19	3775	0	4000	4000
20	GL20	3450	0	4000	4000
21	FGL21	3000	0	4000	4000
22	FGL22	2200	0	4000	4000
23	FGL23	2050	0	4000	4000
24	GL24	29840	0	4000	4000
25	GL25	20690	0	4000	4000
26	GL26	22360	0	4000	4000
27	GL27	24510	0	4000	4000
28	GL28	57230	0	4000	4000
29	GL29	57790	0	4000	4000
30	GL30	18830	0	4000	4000
31	FD1	2150	0	2100	2100
32	FD2	2100	0	2400	2400
33	FD3	2000	0	2400	2400
34	FD4	1950	0	2400	2400
35	FD5	1800	0	2400	2400
36	FD6	1650	0	2400	2400
37	FD7	1600	0	2400	2400
38	FD8	1500	0	2400	2400
39	FD9	1200	0	2400	2400
40	FDW1	6300	0	2400	2400
41	FDW2	5925	0	2400	2400
42	FDW3	5350	0	2400	2400
43	FDW4	5100	0	2400	2400
44	FDW5	5000	0	2400	2400
45	FDW6	4900	0	2400	2400
46	FDW7	4650	0	2400	2400
47	FDW8	3000	0	2400	2400
48	D1	1000	0	2400	2400
49	D2	1100	0	2400	2400

NOTE -
* MINIMUM TRAVEL DISTANCE UP TO STAIRCASE IS NOT THAN 45 METER NO TWO WET RISERS ARE MORE THAN 50 METER APART.
* ELECTRICAL & ELV SHAFT HAVE 2hr FIRE RATED DOORS.

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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)

DDTP (HQ) Member BPAC

Checked and found ok for Public Health (Internal) Service only subject to comments in In forwarding letter No. 161.606 ... Dt/19/09/2024

Superintending Engineer (HQ) for Chief Engineer-I HSVP, Panchkula

Advance India Projects Limited — Authorised Signatory

Ar. Shashank Dhir B.Arch, MCA

NOTES:
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PROJECT:
REVISED BUILDING PLAN OF COMMERCIAL COLONY MEASURING 10.4375 ACRES (LICENSE NO. 56 OF 2013 DATED 10.07.2013) IN SECTOR-68, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY ADVANCE INDIA PROJECTS LIMITED

OWNER SIGN

ARCHITECT SIGN

DRAWING TITLE:
BASEMENT-2 PLAN

DATE: SHEET NO: B2A NORTH

SCALE: 1:300

BASEMENT-2 PLAN
SCALE: 1:350