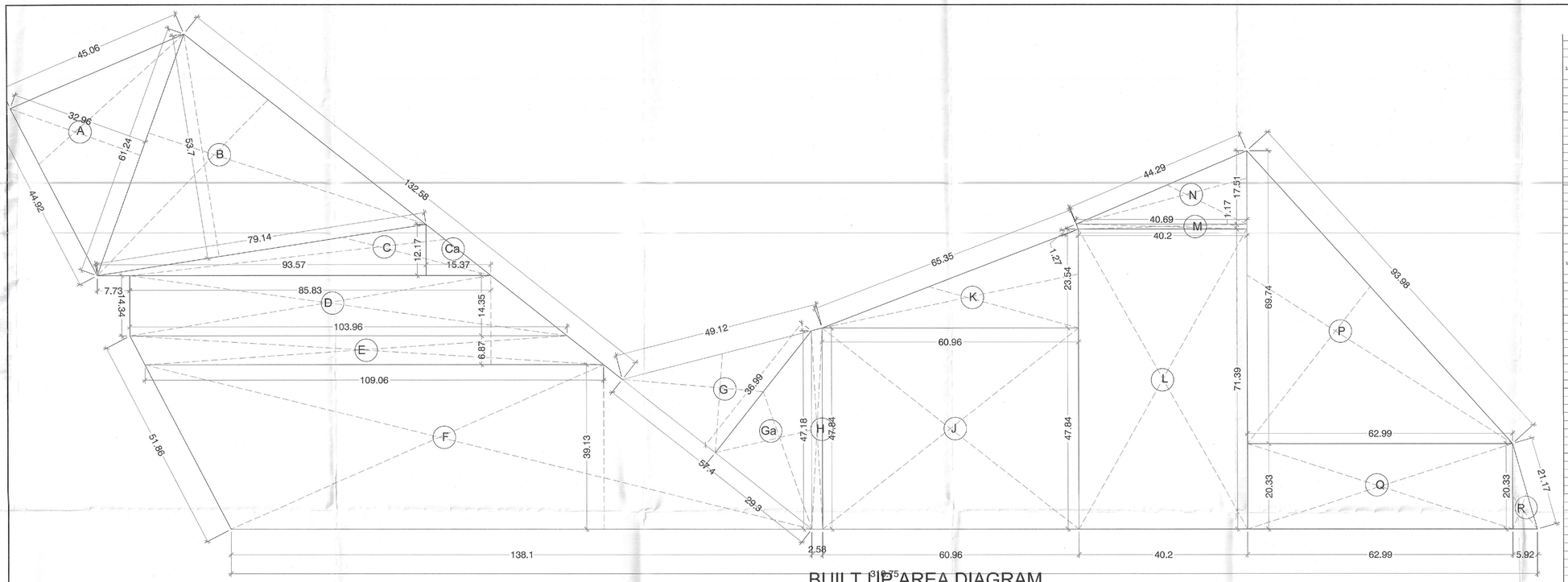
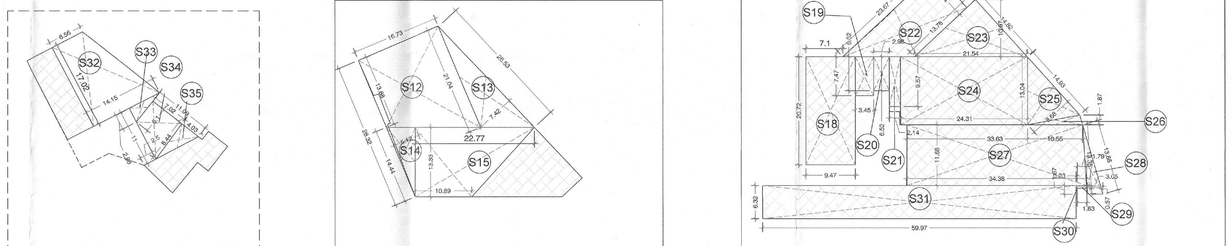


BUILT UP AREA DIAGRAM



AREA DIAGRAM (DEDUCTIONS & SERVICE AREA)

BASEMENT-1 AREA CALCULATIONS DETAIL

BASEMENT COVERED AREA CALCULATION

S. NO.	SHAPE	LENGTH (L) (HOR.)/mts.	WIDTH (B) (HOR.)/mts.	HEIGHT (H) (VERT.)/mts.	COUNTS.	AREA (SQ.MTS.)	FORMULA
			ADDITIONS				
A	TRIANGLE	61.24	-	32.96	1	1039.285	0.5XLXH
B	TRIANGLE	79.135	-	53.7	1	2124.775	0.5XLXH
C	TRIANGLE	78.135	-	12.17	1	475.817	0.5XLXH
Ca	TRIANGLE	15.37	-	12.17	1	93.526	0.5XLXH
D	TRAPEZIUM	85.835	103.96	14.35	1	1381.779	(L+B)/2 X H
E	TRAPEZIUM	103.96	109.06	6.87	1	731.724	(L+B)/2 X H
F	TRAPEZIUM	109.06	138.196	39.125	1	4835.105	(L+B)/2 X H
G	TRIANGLE	28.13	-	36.985	1	519.824	0.5XLXH
Ga	TRIANGLE	29.3	-	36.985	1	541.830	0.5XLXH
H	TRAPEZIUM	47.18	47.845	2.58	1	122.582	(L+B)/2 X H
J	RECTANGLE	60.96	47.845	-	1	2915.631	LXB
K	TRIANGLE	60.96	-	23.545	1	717.051	0.5XLXH
L	RECTANGLE	40.2	71.385	-	1	2869.677	LXB
M	TRAPEZIUM	40.2	40.695	1.175	1	47.526	(L+B)/2 X H
N	TRIANGLE	40.695	-	17.61	1	356.285	0.5XLXH
P	TRIANGLE	62.99	-	69.745	1	2195.619	0.5XLXH
Q	RECTANGLE	62.99	20.325	-	1	1280.272	LXB
R	TRIANGLE	5.92	-	20.325	1	60.162	0.5XLXH
	TOTAL AREA (A)					22281.081	SQ.M.

S. NO.	SHAPE	LENGTH (L) (HOR.)/mts.	WIDTH (B) (HOR.)/mts.	HEIGHT (H) (VERT.)/mts.	COUNTS.	AREA (SQ.MTS.)	FORMULA
			DEDUCTIONS				
1	TRIANGLE	7	-	6.545	1	1.908	0.5XLXH
2	RECTANGLE	7	3.04	-	1	21.280	LXB
5	RECTANGLE	5.45	0.6	-	1	3.270	LXB
6	RECTANGLE	1.79	11.785	-	1	21.095	LXB
7	RECTANGLE	1.88	11.785	-	1	22.156	LXB
8	RECTANGLE	5.87	0.8	-	1	4.696	LXB
11	RECTANGLE	0.85	1.2	-	1	1.020	LXB
14	RECTANGLE	2.35	2.65	-	6	37.365	LXB
15	RECTANGLE	5.045	0.895	-	1	4.061	LXB
16	RECTANGLE	82.62	9.545	-	1	331.358	LXB
17	TRIANGLE	16.935	-	5.735	1	48.561	0.5XLXH
18	TRIANGLE	1.78	-	16.84	1	14.988	0.5XLXH
19	RECTANGLE	15.705	16.84	-	1	264.472	LXB
20	RECTANGLE	24.75	16.84	-	1	416.790	LXB
21	RECTANGLE	16.855	5.47	-	1	91.354	LXB
22	TRIANGLE	14	-	16.585	1	116.095	0.5XLXH
23	RECTANGLE	24.75	4.15	-	1	102.713	LXB
24	RECTANGLE	24	1.65	-	1	39.600	LXB
25	RECTANGLE	24.75	2.365	-	1	58.534	LXB
26	RECTANGLE	2.845	2.38	-	1	6.771	LXB
27	TRIANGLE	1.81	-	2.105	1	1.906	0.5XLXH
28	TRAPEZIUM	1.81	1.13	0.565	1	0.831	(L+B)/2 X H
30	RECTANGLE	2.45	0.6	-	1	1.470	LXB
31	RECTANGLE	2.45	3.05	-	3	22.418	LXB
32	RECTANGLE	0.8	4.15	-	1	3.320	LXB
33	RECTANGLE	0.85	3.6	-	1	3.060	LXB
34	RECTANGLE	6.13	1	-	1	6.130	LXB
35	RECTANGLE	8.2	1.2	-	1	9.840	LXB
36	RECTANGLE	5.27	3.365	-	1	17.417	LXB
40	RECTANGLE	2.25	5.025	-	1	11.306	LXB
40a	RECTANGLE	4.62	5.025	-	1	23.216	LXB
41	RECTANGLE	4.5	5.025	-	4	90.450	LXB
43	RECTANGLE	0.6	2	-	1	1.200	LXB
44	RECTANGLE	4.61	0.9	-	1	4.149	LXB
45	RECTANGLE	0.6	3.05	-	1	1.830	LXB
46	RECTANGLE	13.3	2	-	2	53.200	LXB
47	TRIANGLE	3.45	-	0.405	1	0.699	0.5XLXH
49	RECTANGLE	0.8	5.405	-	1	4.484	LXB
50	RECTANGLE	7.2	0.9	-	1	6.480	LXB
51	RECTANGLE	0.8	5.115	-	1	4.092	LXB
52	RECTANGLE	1.55	0.85	-	1	1.318	LXB
53	RECTANGLE	0.8	5.605	-	1	4.484	LXB
55	RECTANGLE	5.98	0.8	-	1	4.784	LXB
58	RECTANGLE	0.8	1.555	-	1	1.244	LXB
59	RECTANGLE	0.8	1.15	-	1	0.920	LXB
60	RECTANGLE	0.8	4	-	1	3.200	LXB
61	RECTANGLE	15.515	2.9	-	1	44.994	LXB
63	RECTANGLE	2.2	0.6	-	1	1.320	LXB
65	RECTANGLE	7.9	0.7	-	1	5.530	LXB
66	RECTANGLE	9.97	2.23	-	1	22.233	LXB
67	RECTANGLE	2.58	0.75	-	1	1.935	LXB
70	RECTANGLE	7.275	1	-	1	7.275	LXB
71	RECTANGLE	0.6	5.65	-	1	3.390	LXB
72	RECTANGLE	0.6	2.95	-	1	1.770	LXB
73	RECTANGLE	8.03	2.8	-	1	22.484	LXB
74	RECTANGLE	5.035	4.475	-	1	22.532	LXB
75	TRIANGLE	1.305	-	4.475	1	2.920	0.5XLXH
	TOTAL AREA (Y)					2007.995	SQ.M.

TOTAL BUILT UP AREA OF BASEMENT-1 (X-Y-W)	20253.086 SQ.M.

BASEMENT-1 STAIRCASE AREA CALCULATIONS DETAIL

S. NO.	SHAPE	LENGTH (L) (HOR.)/mts.	WIDTH (B) (HOR.)/mts.	HEIGHT (H) (VERT.)/mts.	COUNTS.	AREA (SQ.MTS.)	FORMULA
3	RECTANGLE	7.9	5.2	-	1	41.080	LXB
4	RECTANGLE	2.25	0.8	-	1	1.800	LXB
9	RECTANGLE	7.5	5.7	-	1	42.750	LXB
10	RECTANGLE	1.6	1.5	-	1	2.400	LXB
29	RECTANGLE	5.4	8.1	-	1	43.740	LXB
42	RECTANGLE	8.1	5.4	-	1	43.740	LXB
48	RECTANGLE	8.1	5.4	-	1	43.740	LXB
48A	RECTANGLE	1	2.25	-	1	2.250	LXB
54	RECTANGLE	8.1	5.4	-	1	43.740	LXB
56	RECTANGLE	1	2.25	-	1	2.250	LXB
62	RECTANGLE	5.4	8.1	-	1	43.740	LXB
64	RECTANGLE	5.4	8.1	-	1	43.740	LXB
64A	RECTANGLE	1	2.2	-	1	2.200	LXB
68	RECTANGLE	8.1	5.1	-	1	41.310	LXB
69	RECTANGLE	0.8	2.25	-	1	1.800	LXB
	TOTAL STAIRCASE AREA FOR BASEMENT-1 (ST)					400.280	SQ.M.

BASEMENT-1 SERVICE AREA CALCULATIONS DETAIL

S. NO.	SHAPE	LENGTH (L) (HOR.)/mts.	WIDTH (B) (HOR.)/mts.	HEIGHT (H) (VERT.)/mts.	COUNTS.	AREA (SQ.MTS.)	FORMULA
			ADDITIONS				
51	RECTANGLE	8.13	5.61	-	1	45.597	LXB
51a	RECTANGLE	7.24	2.69	-	1	19.476	LXB
52	RECTANGLE	32.62	8.74	-	1	285.099	LXB
53	TRIANGLE	33.47	-	0.65	1	12.547	0.5XLXH
54	RECTANGLE	7	3.59	-	1	25.130	LXB
55	TRIANGLE	7	-	1.795	1	6.283	0.5XLXH
56	TRAPEZIUM	3.18	3.735	3.365	1	11.674	(L+B)/2 X H
57	TRIANGLE	3.955	-	1.41	1	2.816	0.5XLXH
58	TRAPEZIUM	4.23	5.625	5.435	1	26.781	(L+B)/2 X H
59	RECTANGLE	35.075	17.88	-	1	637.869	LXB
510	TRIANGLE	18.64	-	6.79	1	42.383	0.5XLXH
511	TRIANGLE	35.075	-	0.76	1	13.557	0.5XLXH
512	TRAPEZIUM	21.045	13.88	10.735	1	292.235	(L+B)/2 X H
513	TRIANGLE	26.535	-	7.425	1	98.511	0.5XLXH
514	TRIANGLE	14.44	-	5.12	1	36.966	0.5XLXH
515	TRAPEZIUM	22.77	10.89	13.33	1	224.344	(L+B)/2 X H
532	TRAPEZIUM	6.56	14.15	17.02	1	176.242	(L+B)/2 X H
533	TRIANGLE	6.565	-	2.98	1	9.782	0.5XLXH
534	TRAPEZIUM	8.295	5.1	7.03	1	47.083	(L+B)/2 X H
535	TRIANGLE	8.44		4.08	1	17.007	0.5XLXH
	TOTAL SERVICE AREA FOR BASEMENT-1 (Z)					2053.182	SQ.M.

BASEMENT-1 PARKING CALCULATIONS

TOTAL BUILT UP AREA OF BASEMENT-1 (X-Y-W)	20253.086 SQ.M.
TOTAL SERVICE AREA FOR BASEMENT-1 (Z)	2053.182 SQ.M.
TOTAL STAIRCASE AREA FOR BASEMENT-1 (ST)	400.280 SQ.M.
TOTAL RAMP AREA FOR BASEMENT-1 (RMP)	387.779 SQ.M.
NET AREA FOR PARKING AT BASEMENT-1 (W-Z-ST-RMP)	17411.845 SQ.M.

ACHEVABLE PARKING ECS @ 32 SQM	544.12	ECS
SAY	544	ECS
PROPOSED PARKING BAYS AT BASEMENT-1	533	CARS
NON STACKED	333	CARS
STACKED	200	CARS

RAMP AREA

S. NO.	SHAPE	LENGTH (L) (HOR.)/mts.	WIDTH (B) (HOR.)/mts.	HEIGHT (H) (VERT.)/mts.	COUNTS.	AREA (SQ.MTS.)	FORMULA
			DEDUCTIONS				
R1	RECTANGLE	23.25	4	-	1	93.00	LXB
R3	RECTANGLE	0.9	4	-	1	3.60	LXB
R4	RECTANGLE	30	5.02	-	1	150.60	LXB
R5	RECTANGLE	19.53	4.2	-	1	80.35	LXB
R7	RECTANGLE	1.37	4.2	-	1	5.75	LXB
	TOTAL R1					333.30 SQM	

		Rie	Radius	Radius	Angle	360	Area	FORMULA
R2	SECTOR	3.14	7	7	90	360	38.465	(Pie *7) X (Angle / 360)
R6	SECTOR	3.14	5.6	5.6	90	360	24.6376	(Pie *7) X (Angle / 360)
	TOTAL R2						63.0836	SQM

		Pie	Radius	Radius	Angle	360	Area	FORMULA
R3a	SECTOR	3.14	1	1	90	360	7.065	(Pie *7) X (Angle / 360)
R5a	SECTOR	3.14	1.4	1.4	90	360	1.5386	(Pie *7) X (Angle / 360)
	TOTAL R3						8.6036	SQM

TOTAL RAMP AREA R = R1 + R2 - R3	387.79 SQM

Note :-

1. BUILDING HAS AUTOMATIC SPRINKLER SYSTEM WHEREVER REQUIRED BY NBC.
2. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVENT IS CODES FOR EARTH QUAKE RESISTANCE.
3. ALL DIMENSIONS ARE IN METERS

SANCTIONED
TO BE READ WITH THIS OFFICE
MEMO NO.: 9861
DATED : 09/02/2024

PROJECT:

"PROPOSED BUILDING PLANS OF COMMERCIAL COLONY MEASURING 3.6562 ACRES (LICENSE NO. 60 OF 2013 DATED 16.07.2013) AND 3.9937 ACRES (LICENSE NO. 61 OF 2013 DATED 16.07.2013) TOTAL AREA MEASURING 7.6499 ACRES IN SECTOR – 82, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY ELAN IMPERIAL PRIVATE LIMITED (FORMERLY KNOWN AS AMBIENCE INFRASTRUCTURE DEVELOPERS PVT. LTD.)"

ARCHITECTS

OWNER'S SEAL & SIGNATURE

For Elan Imperial Private Limited
Authorised Signatory

ARCHITECT'S SEAL & SIGNATURE

RAJINDER KUMAR
CA/2490/75

OCT.-2023. | Scale : 1:400

Drawing Title:- BASEMENT-1 AREA DIAGRAM

Drawing No:- A-12A