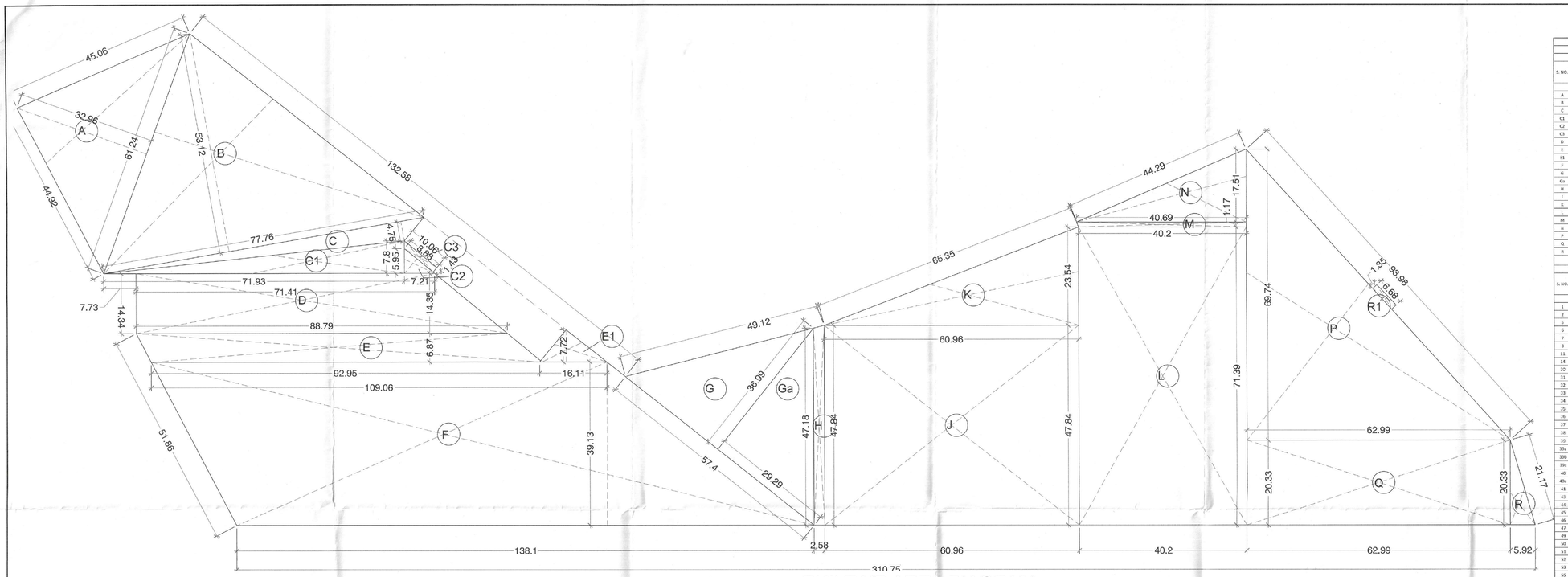
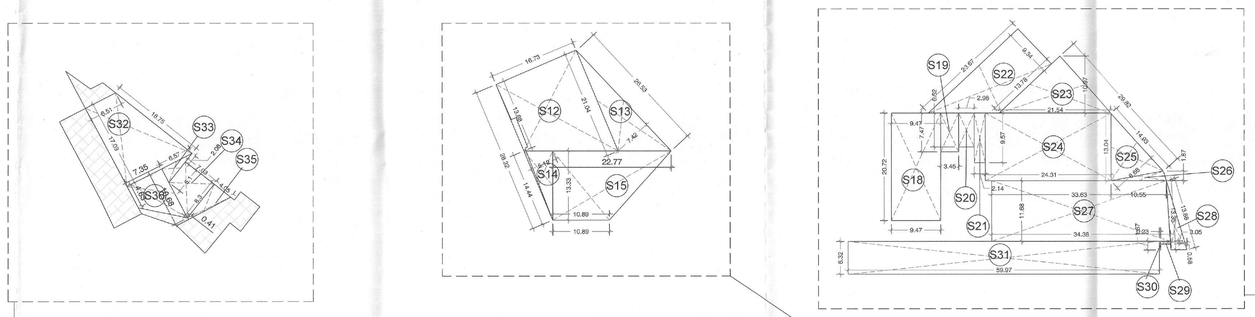
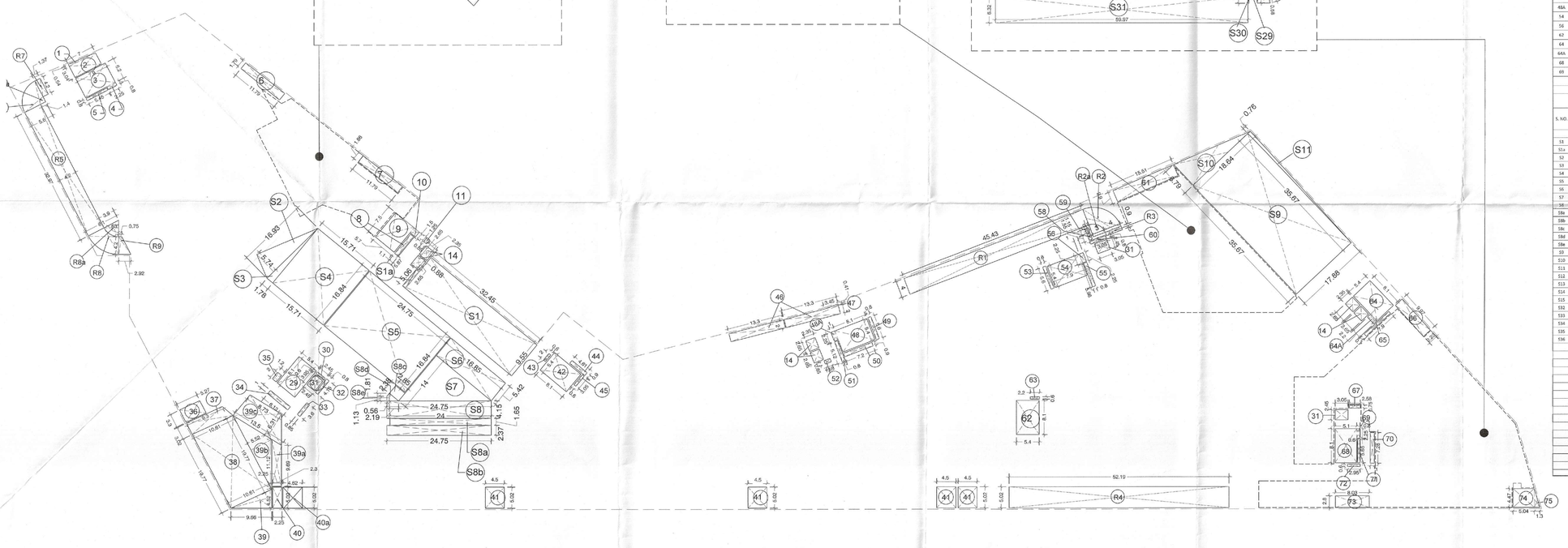
24128



BUILT UP AREA DIAGRAM





AREA DIAGRAM (DEDUCTIONS & SERVICE AREA)

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	43.49	4	-	1	181.72	LXB
R3	RECTANGLE	3.9	4	-	1	3.60	LXB
R4	RECTANGLE	52.19	5.02	-	1	262.18	LXB
R5	RECTANGLE	13.69	4.3	-	1	138.42	LXB
R7	RECTANGLE	1.37	4.2	-	1	5.75	LXB
R7	RECTANGLE	1.37	4.2	-	1	5.75	LXB
R9	TRAPEZIUM	2.92	0.75	4.15	1	7.737	(L+B)/2 X H
						TOTAL R1	605.03 SQM

		Pie	Radius	Radius	Angle	MID	Area	FORMULA
R2	SECTOR	3.14	/	/	90	360	12.57	(Pie * R) X Angle / 360
R6	SECTOR	3.14	5.6	5.4	90	360	16.42	(Pie * R) X Angle / 360
R8	SECTOR	3.14	8.1	8.1	45	360	16.96	(Pie * R) X Angle / 360
						TOTAL R2	45.94	SQM

		Pie	Radius	Radius	Angle	MID	Area	FORMULA
R2a	SECTOR	3.14	/	/	90	360	12.57	(Pie * R) X Angle / 360
R6a	SECTOR	3.14	5.6	5.6	90	360	17.54	(Pie * R) X Angle / 360
R8a	SECTOR	3.14	9.9	9.9	45	360	19.36	(Pie * R) X Angle / 360
						TOTAL R3	49.46	SQM

TOTAL RAMP AREA R = R1 + R2 + R3	687.177	SQM

BASEMENT-2 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	1000.235	0.5XLXH
B	TRIANGLE	77.76	-	53.7	1	2087.856	0.5XLXH
C	TRIANGLE	77.76	-	4.745	1	184.486	0.5XLXH
C1	TRIANGLE	71.935	-	7.805	1	280.726	0.5XLXH
C2	TRIANGLE	7.21	-	5.955	1	21.468	0.5XLXH
C3	TRAPEZIUM	10.06	8.88	1.425	1	13.495	(L+B)/2 X H
D	TRAPEZIUM	88.79	71.415	14.35	1	1149.471	(L+B)/2 X H
E	TRAPEZIUM	92.95	88.76	6.87	1	624.174	(L+B)/2 X H
E1	TRIANGLE	16.115	-	7.715	1	62.164	0.5XLXH
F	TRAPEZIUM	109.06	138.105	39.125	1	4835.165	(L+B)/2 X H
G	TRIANGLE	28.11	-	36.985	1	519.824	0.5XLXH
Ga	TRIANGLE	29.1	-	36.985	1	541.830	0.5XLXH
H	TRAPEZIUM	47.18	47.845	2.58	1	122.582	(L+B)/2 X H
I	RECTANGLE	60.96	47.845		1	2916.581	LXB
K	TRIANGLE	60.96	-	23.545	1	717.652	0.5XLXH
L	RECTANGLE	40.2	71.385	-	1	2869.077	LXB
M	TRAPEZIUM	40.2	40.695	1.175	1	47.526	(L+B)/2 X H
N	TRIANGLE	40.69	-	17.51	1	356.285	0.5XLXH
P	TRIANGLE	62.99	-	69.745	1	2196.619	0.5XLXH
Q	RECTANGLE	62.99	20.325	-	1	1280.272	LXB
R	TRIANGLE	5.92	-	20.325	1	60.352	0.5XLXH
TOTAL AREA (X)						21897.299	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	-	0.545	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
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	3.305	-	1	17.417	LXB
37	TRAPEZIUM	9.335	10.61	3.02	1	30.072	(L+B)/2 X H
38	RECTANGLE	13.61	15.77	-	1	209.760	LXB
39	TRIANGLE	9.665	-	4.52	1	21.843	0.5XLXH
39a	TRAPEZIUM	5.695	11.12	2.3	1	23.537	(L+B)/2 X H
39b	TRIANGLE	19.77		5.515	1	54.516	0.5XLXH
39c	TRAPEZIUM	13.505	8.724	6.315	1	70.188	(L+B)/2 X H
40	RECTANGLE	2.25	5.325	-	1	11.976	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	5.605	-	1	4.484	LXB
50	RECTANGLE	7.2	0.9	-	1	6.480	LXB
51	RECTANGLE	0.8	5.315	-	1	4.292	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)						940.197	SQ.M.

TOTAL BUILT UP AREA OF BASEMENT-2 (X-Y=W)	20957.102	SQ.M.

BASEMENT-2 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-2 (ST)						400.280	SQ.M.

BASEMENT-2 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							
S1	RECTANGLE	32.445	9.545	-	1	309.688	LXB
S1a	RECTANGLE	0.88	5.355	-	1	4.688	LXB
S2	TRIANGLE	16.935	-	5.735	1	48.561	0.5XLXH
S3	TRIANGLE	1.78	-	16.84	1	14.988	0.5XLXH
S4	RECTANGLE	15.705	16.84	-	1	264.472	LXB
S5	RECTANGLE	24.75	16.84	-	1	416.790	LXB
S6	RECTANGLE	16.855	5.42	-	1	91.354	LXB
S7	TRIANGLE	14	-	16.585	1	116.095	0.5XLXH
S8	RECTANGLE	24.75	4.15	-	1	102.713	LXB
S8a	RECTANGLE	24	1.65	-	1	39.600	LXB
S8b	RECTANGLE	24.75	2.365	-	1	58.534	LXB
S8c	RECTANGLE	2.845	2.38	-	1	6.771	LXB
S8d	TRIANGLE	1.81	-	2.195	1	1.986	0.5XLXH
S8e	TRAPEZIUM	1.81	1.13	0.565	1	0.831	(L+B)/2 X H
S9	RECTANGLE	35.675	17.88	-	1	637.860	LXB
S10	TRIANGLE	18.64	-	6.79	1	63.283	0.5XLXH
S11	TRIANGLE	35.675	-	0.76	1	13.557	0.5XLXH
S12	TRAPEZIUM	21.045	13.88	10.735	1	292.235	(L+B)/2 X H
S13	TRIANGLE	26.68	-	7.425	1	99.050	0.5XLXH
S14	TRIANGLE	14.44	-	5.12	1	36.966	0.5XLXH
S15	TRAPEZIUM	22.77	10.89	13.33	1	224.344	(L+B)/2 X H
S32	TRAPEZIUM	6.51	14.04	17.02	1	174.881	(L+B)/2 X H
S33	TRIANGLE	6.565	-	2.98	1	9.782	0.5XLXH
S34	TRAPEZIUM	8.295	5.1	7.03	1	47.083	(L+B)/2 X H
S35	TRAPEZIUM	4.05	0.41	8.3	1	18.509	(L+B)/2 X H
S36	TRAPEZIUM	10.68	4.65	7.48	1	57.334	(L+B)/2 X H
TOTAL SERVICE AREA FOR BASEMENT-2 (Z)						3151.722	SQ.M.

BASEMENT-2 PARKING CALCULATIONS

TOTAL BUILT UP AREA OF BASEMENT-2 (X-Y=W)	20957.102	SQ.M.
TOTAL SERVICE AREA FOR BASEMENT-2 (Z)	3151.722	SQ.M.
TOTAL STAIRCASE AREA FOR BASEMENT-2 (ST)	400.280	SQ.M.
TOTAL RAMP AREA FOR BASEMENT-2 (RMP)	687.177	SQM
NET AREA FOR PARKING AT BASEMENT-2 (W-Z-ST-RMP)	16717.923	SQ.M.
ACHIEVABLE PARKING ECS @ 32 SQM	522.44	ECS
SAY	522	ECS
PROPOSED PARKING BAYS AT BASEMENT-2	527	CARS
NON STACKED	297	CARS
STACKED	230	CARS

DTP (HQ) — S.T.P (HQ) Member Section B.P.A.C. — S.T.P (G) Member B.P.A.C — C.T.P (HQ) Chairman B.P.A.C — DTP (HQ) — DTP (HQ) MEMBER BPAC — Consultant Architect — AP — FA — DTP

(Dinesh Kumar) PA(HQ)

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.: 4801
DATED: 08-02-2024

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-2 AREA DIAGRAM

Drawing No- A-13A