AREA CALCULATION BASEMENT-01

GROSS - A

POCKET NO.	=	NO. OF POCKETS	X	LENGTH	X	WIDTH	=	AREA	
1	=	1	X	39.800	X	5.030	=	200.194	SQM
2	=	1	X	1.720	X	17.300	=	29.756	SQM
3	=	1	X	68.150	X	107.335	=	7314.880	SQM
4	=	1	X	3.530	X	44.915	=	158.550	SQM
5	=	1	X	8.160	X	105.035	=	857.086	SQM
6	=	1	X	67.140	X	59.735	=	4010.608	SQM
7	=	1	X	65.060	X	25.280	=	1644.717	SQM
						TOTAL	=	14215.791	SQM

CUTOUT AREA BASEMENT-0 1(DEDUCTION)

GROSS – B

C1	=	1	X	12.330	X	12.490	=	154.002	SQM
C2	=	1	X	12.025	X	12.365	=	148.689	SQM
C3	=	1	X	12.645	X	6.800	=	85.986	SQM
C4	=	2	X	7.610	X	6.330	=	96.343	SQM
C5	=	1	X	12.645	X	6.780	=	85.733	SQM
C6	=	0.5	X	(11.045+12.020)	X	2.385	=	27.505	SQM
C7	=	1	X	12.020	X	17.380	=	208.908	SQM
C8	=	1	X	10.305	X	1.685	=	17.364	SQM
						TOTAL	=	824.648	SQM

SERVICE AREA BASEMENT-01

GROSS – D

S1	=	1	X	4.410	X	4.255	=	18.765	SQM
S1a	=	1	X	5.200	X	4.990	=	25.948	SQM
S2	=	1	X	8.610	X	1.330	=	11.451	SQM
S3	=	1	X	5.860	X	1.555	=	9.112	SQM
S4	=	1	X	8.920	X	5.840	=	52.093	SQM
S5	=	1	X	6.445	X	0.940	=	6.058	SQM
S6	=	1	X	10.455	X	3.750	=	39.206	SQM
S7	=	1	X	15.430	X	4.145	=	63.957	SQM
S8	=	1	X	26.030	X	6.610	=	172.058	SQM
S9	=	1	X	10.470	X	3.750	=	39.263	SQM
S10	=	1	X	15.415	X	4.145	=	63.895	SQM
S11	=	1	X	5.150	X	3.265	=	16.815	SQM
S12	=	1	X	2.775	X	3.685	=	10.226	SQM
S13	=	1	X	2.850	X	5.775	=	16.459	SQM
S14	=	1	X	2.975	X	5.655	=	16.824	SQM
S15	=	1	X	2.020	X	3.885	=	7.846	SQM
S16	=	1	X	5.705	X	2.500	=	14.263	SQM
S17	=	1	X	5.405	X	5.530	=	29.890	SQM
S18	=	0.5	X	(3.915+2.900)	X	5.515	=	18.792	SQM
S20	=	1	X	7.150	X	3.155	=	22.558	SQM
S21	=	1	X	5.050	X	1.580	=	7.979	SQM
S22	=	1	X	6.415	X	9.230	=	59.210	SQM
S23	=	1	X	6.095	X	5.360	=	32.669	SQM
S24	=	1	X	4.795	X	1.300	=	6.234	SQM
S25	=	1	X	3.640	X	6.125	=	22.295	SQM
S26	=	1	X	5.450	X	18.870	=	102.842	SQM
S27	=	1	X	6.845	X	16.800	=	114.996	SQM
S28	=	1	X	3.840	X	4.215	=	16.343	SQM
S29	=	1	X	2.395	X	4.320	=	10.346	SQM
S30	=	1	X	3.495	X	4.030	=	14.085	SQM
S31	=	1	X	7.150	X	4.025	=	28.779	SQM
S32	=	1	X	8.915	X	1.890	=	16.849	SQM
S33	=	1	X	0.320	X	1.690	=	0.541	SQM
S34	=	1	X	9.025	X	3.200	=	28.880	SQM
S35	=	1	X	4.130	X	12.260	=	50.634	SQM
S36	=	1	X	24.420	X	13.755	=	335.897	SQM
S37	=	1	X	10.570	X	2.830	=	29.913	SQM
S38	=	0.5	X	(10.570+11.045)	X	3.355	=	36.259	SQM
S39	=	1	X	10.305	X	12.070	=	124.381	SQM
S40	=	1	X	14.505	X	12.380	=	179.572	SQM
S41	=	1	X	14.305	X	14.315	=	204.776	SQM
S42	=	1	X	13.460	X	14.150	=	190.459	SQM
S43	=	1	X	3.840	X	10.950	=	42.048	SQM
S44	=	0.5	X	(14.305+4.655)	X	6.410	=	60.767	SQM
S45	=	0.5	X	(1.665+0.820)	X	0.890	=	1.106	SQM
S46	=	0.5	X	(8.920+2.630)	X	6.620	=	38.231	SQM
S47	=	1	X	0.100	X	0.720	=	0.072	SQM
S48	=	1	X	8.920	X	4.685	=	41.790	SQM
S49	=	1	X	6.770	X	1.815	=	12.288	SQM
S50	=	1	X	1.070	X	1.995	=	2.135	SQM
S51	=	1	X	5.805	X	3.400	=	19.737	SQM
S52	=	1	X	11.960	X	3.950	=	47.242	SQM
S53	=	1	X	1.440	X	3.050	=	4.392	SQM
S54	=	1	X	6.800	X	5.800	=	39.440	SQM
S55	=	1	X	3.100	X	7.000	=	21.700	SQM
S56	=	1	X	2.995	X	5.990	=	17.940	SQM
S57	=	1	X	2.995	X	5.200	=	15.574	SQM
S58	=	1	X	4.145	X	4.150	=	17.202	SQM
S59	=	1	X	6.055	X	10.000	=	60.550	SQM
S60	=	1	X	4.100	X	9.750	=	39.975	SQM
S61	=	1	X	3.100	X	7.650	=	23.715	SQM
S62	=	1	X	3.350	X	3.050	=	10.218	SQM
S63	=	1	X	1.455	X	5.975	=	8.694	SQM
S64	=	1	X	7.540	X	5.585	=	42.111	SQM
S65	=	1	X	10.030	X	4.965	=	49.799	SQM
S66	=	1	X	3.335	X	5.730	=	19.110	SQM
S67	=	1	X	13.115	X	5.215	=	68.398	SQM
S68	=	1	X	3.300	X	2.985	=	9.851	SQM
S69	=	1	X	5.250	X	4.735	=	24.859	SQM
S70	=	0.5	X	(4.735+3.980)	X	1.295	=	5.643	SQM
S71	=	0.5	X	3.270	X	3.980	=	6.507	SQM
S73	=	0.5	X	(5.250+3.495)	X	1.500	=	6.559	SQM
S74	=	0.5	X	(4.705+4.370)	X	1.260	=	5.717	SQM
S75	=	0.5	X	(6.860+5.895)	X	3.855	=	23.310	SQM
S76	=	1	X	5.895	X	2.785	=	16.418	SQM
						TOTAL	=	3071.510	SQM

NET AREA OF BASEMENT-01	=	GROSS-A	-	GROSS-B	-	GROSS-C		
	=	14215.791	-	824.648	-	0.120		
GROSS-1	=	13391.023	SQM					
SERVICE AREA OF BASEMENT-01		GROSS-D	+	GROSS-E	-	GROSS-F		
	=	3071.510	+	2.461	-	20.499		
GROSS-2	=	3053.472	SQM					
GROSS-3	=	GROSS-G	+	GROSS-H	-	GROSS-J		
	=	456.774	+	168.419	-	34.306		
	=	590.886	SQM					
PARKING AREA OF BASEMENT-1	=	GROSS-1	-	GROSS-2	-	GROSS-3		
	=	13391.023		3053.472		590.886		
	=	9746.665	SQM					
NO. OF CAR ACHIEVABLE OF BASEMENT-1	=	9746.665	/	32	=	304.583	ECS	
	=	OR SAY	=	305	ECS			

PROPOSED CAR PARKING OF BASEMENT-1			
	=	295	CARS
SINGLE CAR PARKING (RESIDENTIAL)	=	99	CARS
STACKER CAR PARKING (RESIDENTIAL)	=	44X 2 = 88	CARS
HANDICAP CAR PARKING (RESIDENTIAL)	=	2	CARS
SINGLE CAR PARKING (RETAIL)	=	28	CARS
STACKER CAR PARKING (RETAIL)	=	44X 2 = 88	CARS
PUZZLE CAR PARKING (RETAIL)	=	15X 2 = 30	CARS
HANDICAP CAR PARKING (RETAIL)	=	6	CARS
EWS CAR PARKING (RETAIL)	=	14	CARS
TOTAL	=	295	CARS

CUTOUT AREA BASEMENT-01 (DEDUCTION)

ARC AREA
GROSS - C

POCKET NO.	∏	X	(r2)	X	(°/360)	-	0.5	(r-Cord Length)	X	Height	=	Area	
x1	3.14	X	12.100 X 12.100	X	12 / 360	-	0.5	X 12.100 - 0.070	X	2.580	=	0.120	SQM
										TOTAL	=	0.120	SQM

SERVICE AREA BASEMENT-01

ARC AREA
GROSS - E

POCKET NO.	∏	X	(r2)	X	(°/360)	-	0.5	(r-Cord Length)	X	Height	=	Area	
s19	3.14	X	28.905 X 28.905	X	11 / 360	-	0.5	X 28.905 - 0.135	X	5.610	=	0.511	SQM
s72	3.14	X	6.175 X 6.175	X	49 / 360	-	0.5	X 6.175 - 0.565	X	5.150	=	1.950	SQM
										TOTAL	=	2.461	SQM

SERVICE AREA BASEMENT-01

ARC AREA
GROSS - F

POCKET NO.	∏	X	(r2)	X	(°/360)	-	0.5	(r-Cord Length)	X	Height	=	Area	
d1	3.14	X	12.100 X 12.100	X	16 / 360	-	0.5	X 12.100 - 0.120	X	3.385	=	0.271	SQM
d2	3.14	X	12.535 X 12.535	X	55 / 360	-	0.5	X 12.535 - 1.420	X	11.580	=	11.021	SQM
d3	3.14	X	12.175 X 12.175	X	50 / 360	-	0.5	X 12.175 - 1.155	X	10.360	=	8.066	SQM
d4	3.14	X	10.690 X 10.690	X	12 / 360	-	0.5	X 10.690 - 0.065	X	2.310	=	0.098	SQM
d5	3.14	X	10.685 X 10.685	X	28 / 360	-	0.5	X 10.685 - 0.305	X	5.085	=	1.043	SQM
										TOTAL	=	20.499	SQM

AREA CALCULATION BASEMENT-01

GROSS - G

POCKET NO.	=	NO. OF POCKETS	X	LENGTH	X	WIDTH	=	AREA	
f1	=	1	X	1.400	X	0.955	=	1.337	SQM
f2	=	1	X	1.605	X	0.955	=	1.533	SQM
f3	=	1	X	1.505	X	0.755	=	1.136	SQM
f4	=	1	X	1.605	X	0.955	=	1.533	SQM
f5	=	1	X	0.955	X	1.605	=	1.533	SQM
f6	=	1	X	1.000	X	1.635	=	1.635	SQM
f7	=	1	X	1.000	X	1.635	=	1.635	SQM
f8	=	1	X	1.000	X	1.635	=	1.635	SQM
f9	=	1	X	1.635	X	0.985	=	1.610	SQM
f10	=	1	X	1.035	X	1.440	=	1.490	SQM
f11	=	1	X	1.635	X	1.000	=	1.635	SQM
f12	=	1	X	1.000	X	1.635	=	1.635	SQM
f13	=	1	X	1.405	X	0.940	=	1.321	SQM
f14	=	1	X	1.795	X	1.260	=	2.262	SQM
r1	=	1	X	7.200	X	11.400	=	82.080	SQM
r2	=	1	X	5.515	X	5.940	=	32.759	SQM
r3	=	0.5	X	12.720	X	7.620	=	48.463	SQM
r4	=	1	X	5.000	X	4.790	=	23.950	SQM
r5	=	1	X	5.000	X	2.995	=	14.975	SQM
r7	=	1	X	11.605	X	7.400	=	85.877	SQM
r8	=	0.5	X	12.055	X	12.185	=	73.445	SQM
r9	=	0.5	X	12.055	X	12.160	=	73.294	SQM
						TOTAL	=	456.774	SQM

AREA CALCULATION BASEMENT-01

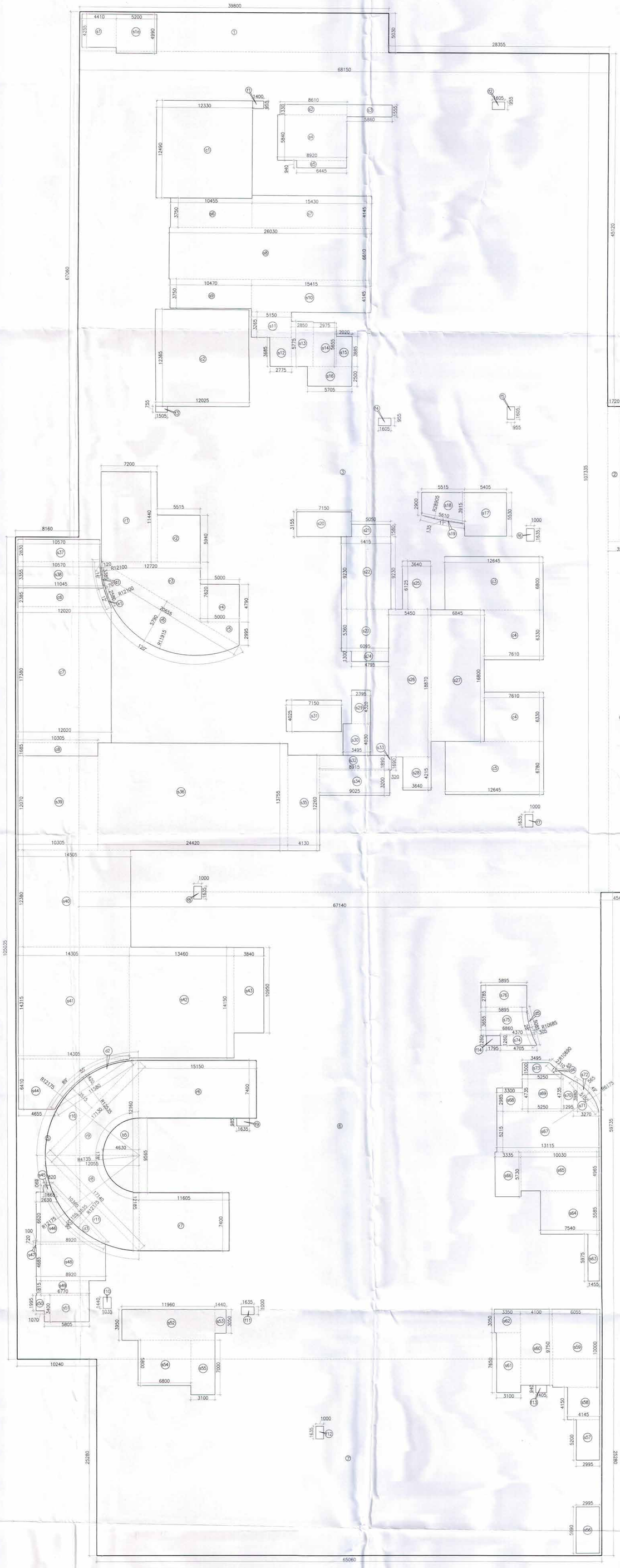
ARC AREA
GROSS -H

POCKET NO.	∏	X	(r2)	X	(°/360)	-	0.5	(r-Cord Length)	X	Height	=	Area	
r6	3.14	X	11.915 X 11.915	X	120 / 360	-	0.5	X 11.915 - 5.790	X	20.655	=	85.336	SQM
r10	3.14	X	12.175 X 12.175	X	89 / 360	-	0.5	X 12.175 - 3.515	X	17.130	=	41.477	SQM
r11	3.14	X	12.175 X 12.175	X	89 / 360	-	0.5	X 12.175 - 3.535	X	17.140	=	41.605	SQM
										TOTAL	=	168.419	SQM

AREA CALCULATION BASEMENT-01

ARC AREA
GROSS -J (DEDUCTION)

POCKET NO.	∏	X	(r2)	X	(°/360)	-	0.5	(r-Cord Length)	X	Height	=	Area	
b5	3.14	X	4.735 X 4.735	X	178 / 360	-	0.5	X 4.735 - 4.630	X	9.565	=	34.306	SQM
										TOTAL	=	34.306	SQM



BASEMENT–01
AREA CALCULATION

Note :–

1. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVENT IS CODES FOR EARTH QUAKE RESISTANCE.
2. BUILDING HAS AUTOMATIC SPRINKLER SYSTEM ON ALL FLOORS.
3. CLUB AND RETAIL ARE ARTIFICIALLY LIGHTED MECHANICALLY VENTILATED & AIRCONDITIONED WITH 100% POWER BACKUP.
4. TOILETS ARE ARTIFICIALLY LIGHTED, MECHANICALLY VENTILATED & HAVE 100% POWER BACKUP.(TOWER–A & B)

LEGEND: –

PROJECT:-

PROPOSED GROUP HOUSING COLONY UNDER TOD POLICY (MIX LAND USE 78% RESIDENTIAL + 22 % COMMERCIAL) ON AN AREA MEASURING 4.84375 ACRES (LICENCE NO.114 OF 2023 DATED 2/06/2023) IN SECTOR-62, GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY MRS. NEERU DEVI W/O LATE SH. NARESH CHAND JAIN AND OTHER IN COLLABORATION WITH CONSCIENT INFRASTRUCTURE PVT LTD.

Associate Architects

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Consultant Architect

ATP(HQ)

Ram Avtar Bassi
JD(HQ)

SANCTIONED
TO BE READ WITH THIS OFFICE
MEMO NO.: 36752
DATED: 31-10-2023

JD. | P.A. | A.T.P.

Checked and found ok for Public Health (Internal) Service only subject to comments in in forwarding letter No. 18373 DTD. 24-8-23

Executive Engineer (HQ)
for Chief Engineer (HQ)
HSVP, Panchkula

SDE(W)

DDT(HQ)
Member
BPAC

ARCHITECT'S SEAL & SIGNATURE	OWNER'S SEAL & SIGNATURE
	CONSCIENT INFRASTRUCTURE PVT. LTD. 10th Floor, Tower 'D' Global Business Park Gurgaon-122009

AUGUST.–2023.	Scale : 1:200	
Drawing Title:– BASEMENT-01 AREA CALCULATION		Drawing No:– BS-04