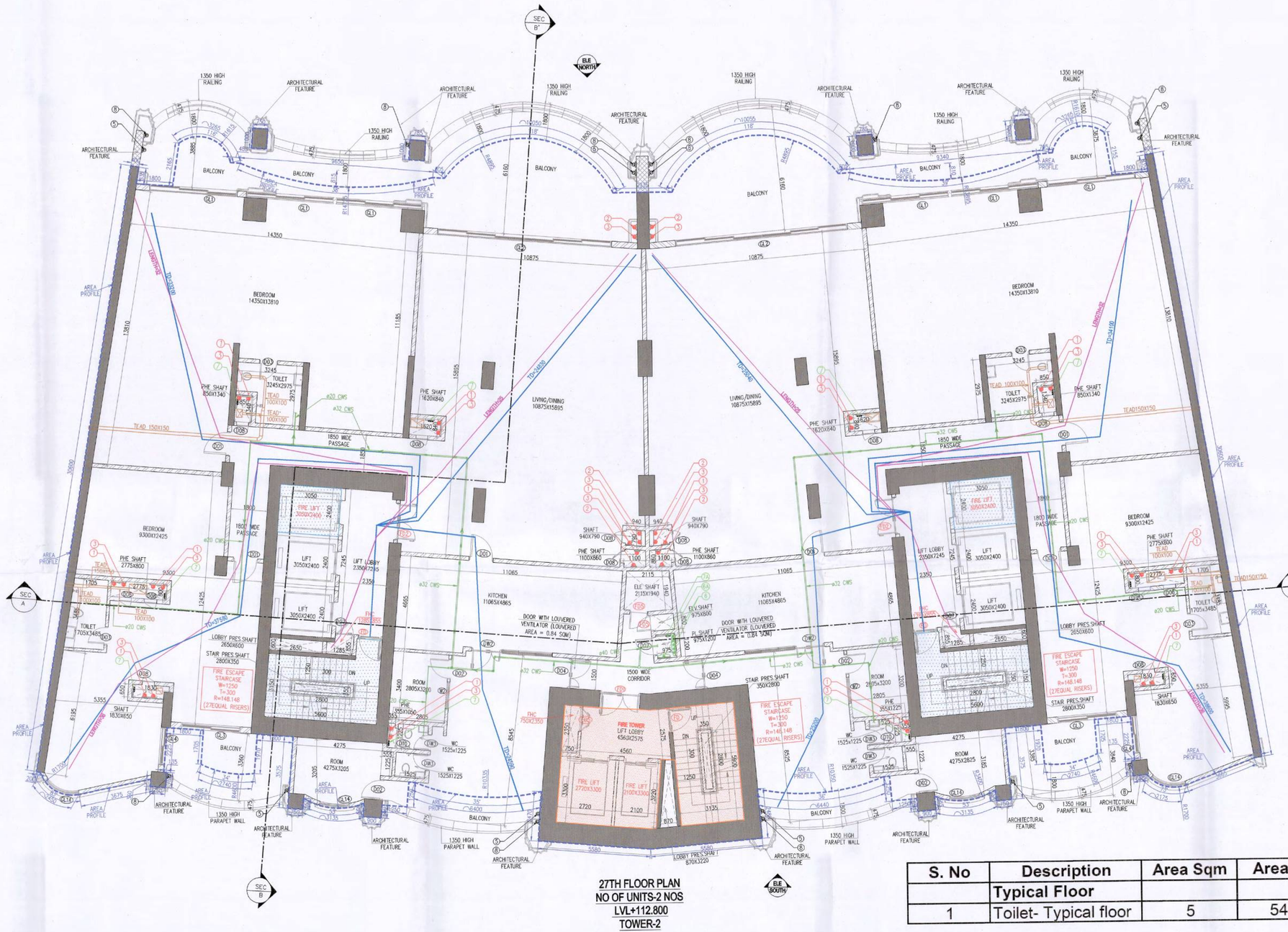
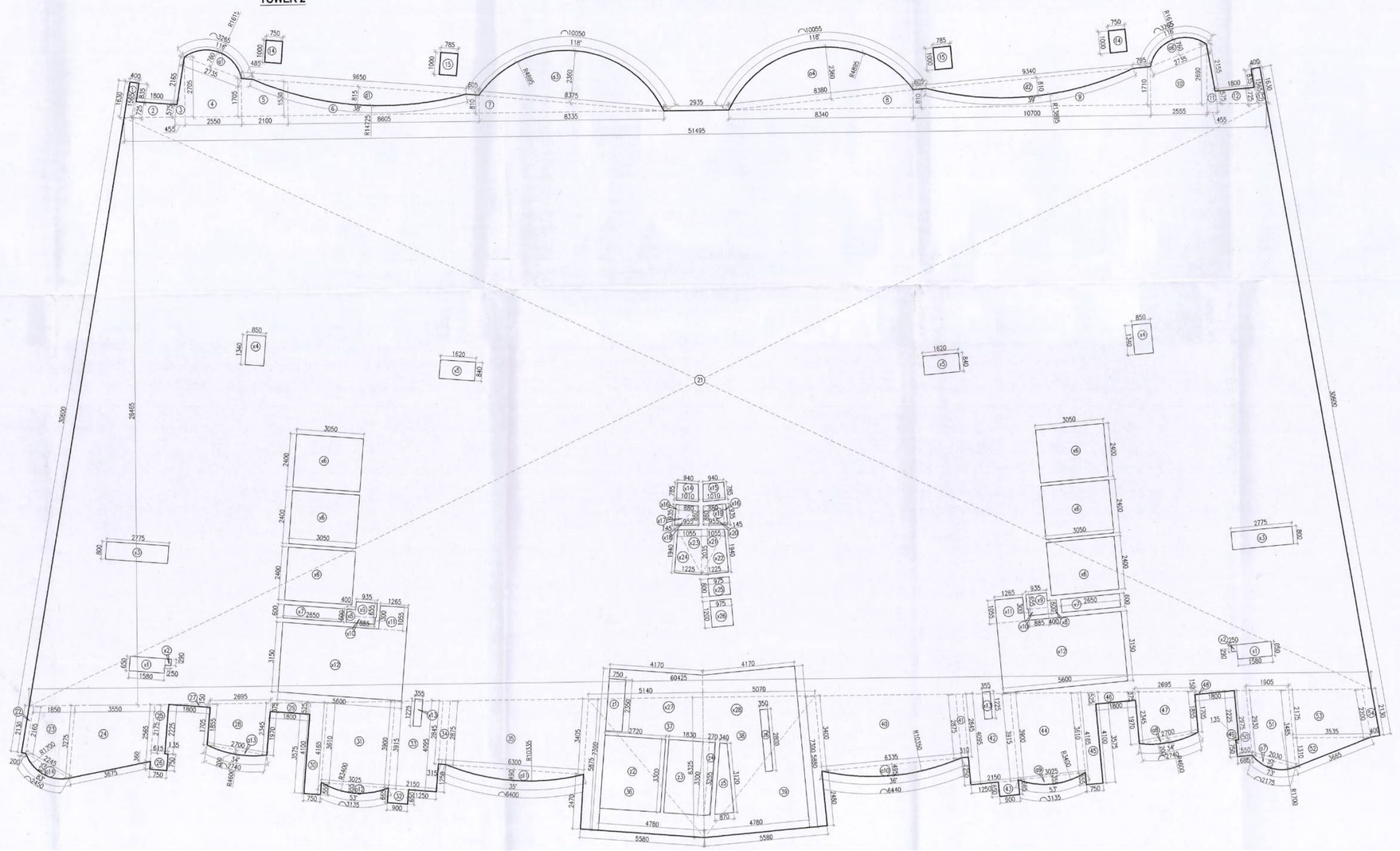


HVAC LEGEND :-
TOILET EXHAUST DUCT



27TH FLOOR PLAN
NO OF UNITS-2 NOS
LVL+112.800
TOWER-2

S. No	Description	Area Sqm	Area ft	Height	ACPH	CFM	Equipment Selection
	Typical Floor						
1	Toilet- Typical floor	5	54	10	10	90	1 No 100 CFM Inline fan



27TH FLOOR AREA
TOWER-2

DOOR / WINDOW SCHEDULE (TOWER-2)					
DOOR NAME	SIZE	SILL LVL	LINTEL LVL	LOCATION	FIRE RATED
D01	1200 X 2400		2400	BEDROOM ,KITCHEN & PASSAGE	
D02	1000 X 2400		2400	SERVICE PERSONAL/ROOM	
D03	900 X 2400		2400	TOILETS	
D04	1500 X 2700		2700	KITCHEN , SERVICE PASSAGE	
D05	2000 X 2400		2400	STAIRCASE	
D06	1200 X 2300	100 MM	2400	SHAFT	
D07	900 X 2300	100 MM	2400	ELECTRICAL SHAFT	
D08	600 X 2300	100 MM	2400	PHE SHAFT	
D09	800 X 2300	100 MM	2400	FLY. SHAFT	
D10	1000 X 2300	100 MM	2400	FHC	
FD	1200 X 2700		2700	STAIRCASES	2 HRS
FD1	1000 X 2700		2700	SERVICE CORE LIFT LOBBY	2 HRS
FD2	1800 X 2850		2850	PASSENGER LIFT LOBBY	2 HRS
FD3	1500 X 2700		2700	REFUGE TERRACE	2 HRS
FD4	2000 X 2400		2400	ELE ROOM (Ground Floor)	2 HRS
FD5	900 X 2100		2100	FEEDER SHAFT	2 HRS
DW1	1200/2400 X 2700	1200 MM	2700	KITCHEN + REFUGE	
DW2	1500 X 2500/2700	1200 MM	2700	KITCHEN	
DW3	800X 2400			MC	
W2	1310 X 1500	900 MM	2400	ROOM	
W3	2000 X 900	1800 MM	2700	REFUGE FLOOR	2 HRS

GLAZING SCHEDULE (UPPER GROUND TO 39TH FLOOR)	
GLAZING NAME	SIZE
GL1	4380 X 3050
GL2	8665 X 3050
GL3	2985 X 3050
GL4	1665 X 3050
GL8	1985 X 4000
GL9	6850 X 4000
GL10	3535 X 4000
GL11	2950 X 4000
GL12	12985 X 4000
GL13	6400 X 4000
GL14	1810 X 2750

LEGEND :-
1. 160ø SOIL & WASTE COMBINE PIPE
2. 160ø WASTE D/T PIPE
3. 160ø ANTISYPHONIC PIPE
5. 160ø TERRACE RAIN WATER PIPE
6. DOMESTIC WATER SUPPLY DOWNTAKE PIPE
7. FLUSHING WATER SUPPLY DOWNTAKE PIPE
8. 160ø BALCONY RAIN WATER PIPE
9A. DOMESTIC WATER SUPPLY RISER PIPE
9A. FLUSHING WATER SUPPLY RISER PIPE
KHURRA 650x650MM
TOILET EXHAUST DUCT

27TH FLOOR AREA CALCULATION												
GROSS - A												
1	0.5	X	1.630	+	1.565	X	0.400	=	0.839			SQM
2	0.5	X	0.725	+	0.375	X	1.800	=	1.170			SQM
3	0.5	X		0.455		X	1.725	=	0.815			SQM
4	0.5	X	2.705	+	1.705	X	2.850	=	5.823			SQM
5	0.5	X	1.705	+	1.530	X	3.100	=	5.993			SQM
6	0.5	X	1.530	+	0.810	X	5.600	=	10.068			SQM
7	0.5	X		5.335		X	1.810	=	3.315			SQM
8	0.5	X		9.340		X	0.810	=	3.378			SQM
9	0.5	X	1.710	+	0.810	X	10.700	=	13.462			SQM
10	0.5	X	1.710	+	2.690	X	2.555	=	5.621			SQM
11	0.5	X		6.465		X	1.810	=	5.812			SQM
12	0.5	X	0.575	+	0.725	X	1.800	=	1.170			SQM
13	0.5	X	1.565	+	1.630	X	0.400	=	0.639			SQM
14	1	X		0.750		X	1.000	=	1.500			SQM
15	1	X		0.785		X	1.000	=	1.570			SQM
21	0.5	X	51.495	+	60.425	X	28.465	=	1480.981			SQM
22	0.5	X	2.130	+	2.165	X	0.200	=	0.430			SQM
23	0.5	X	3.165	+	3.275	X	1.850	=	6.032			SQM
24	0.5	X	3.275	+	3.550	X	1.850	=	10.306			SQM
25	0.5	X	2.175	+	2.225	X	0.610	=	1.353			SQM
26	1	X		0.750		X	0.750	=	0.563			SQM
27	0.5	X		1.800		X	0.150	=	0.135			SQM
28	0.5	X	1.855	+	2.345	X	1.850	=	3.890			SQM
29	0.5	X	0.375	+	0.525	X	1.800	=	0.810			SQM
30	0.5	X	4.100	+	4.165	X	0.750	=	3.099			SQM
31	0.5	X	3.810	+	3.800	X	3.005	=	11.309			SQM
32	1	X		0.900		X	0.650	=	0.585			SQM
33	0.5	X	3.915	+	4.095	X	2.150	=	8.611			SQM
34	0.5	X	2.845	+	2.875	X	0.315	=	0.901			SQM
35	0.5	X	2.875	+	3.405	X	5.300	=	19.782			SQM
36	0.5	X		5.580		X	5.675	=	18.391			SQM
37	0.5	X		5.140		X	6.325	=	16.255			SQM
38	0.5	X		5.335		X	6.070	=	16.034			SQM
39	0.5	X		5.580		X	5.880	=	16.405			SQM
40	0.5	X	3.400	+	2.875	X	6.350	=	19.876			SQM
41	0.5	X	2.875	+	3.915	X	0.810	=	0.887			SQM
42	0.5	X	4.095	+	3.915	X	2.150	=	8.611			SQM
43	0.5	X		0.900		X	0.650	=	0.293			SQM
44	0.5	X	3.800	+	3.810	X	3.025	=	11.309			SQM
45	0.5	X	4.165	+	4.100	X	0.750	=	3.099			SQM
46	0.5	X	0.525	+	0.375	X	1.800	=	0.810			SQM
47	0.5	X	2.345	+	1.855	X	2.850	=	5.890			SQM
48	0.5	X		1.800		X	0.150	=	0.135			SQM
49	1	X		0.135		X	0.750	=	0.101			SQM
50	0.5	X	2.975	+	2.930	X	0.550	=	1.624			SQM
51	0.5	X	2.930	+	3.485	X	1.905	=	6.116			SQM
52	0.5	X		3.535		X	1.310	=	2.315			SQM
53	0.5	X	2.175	+	2.200	X	3.535	=	7.733			SQM
54	0.5	X	2.200	+	2.130	X	0.400	=	0.866			SQM
								TOTAL	=	1737.089		SQM

DEDUCTION AREA												
GROSS –B												
x1	2	X	1.580			X	0.650	=	2.054			SQM
x2	2	X	1.250			X	0.290	=	0.145			SQM
x3	2	X	2.775			X	0.800	=	4.440			SQM
x4	2	X	0.850			X	1.340	=	2.278			SQM
x5	2	X	1.620			X	0.840	=	2.722			SQM
x6	6	X	1.090			X	2.400	=	43.920			SQM
x7	2	X	2.850			X	0.800	=	3.180			SQM
x8	2	X	0.400			X	0.800	=	0.460			SQM
x9	2	X	0.935			X	0.805	=	1.225			SQM
x10	2	X	0.885			X	0.300	=	0.531			SQM
x11	2	X	1.265			X	1.055	=	2.669			SQM
x12	2	X	1.620			X	3.150	=	10.206			SQM
x13	2	X	0.355			X	1.225	=	0.870			SQM
x14	0.5	X	1.810	+	0.940	X	0.765	=	0.765			SQM
x15	0.5	X	1.010	+	0.940	X	0.765	=	0.765			SQM
x16	2	X	0.148			X	0.835	=	0.271			SQM
x17	0.5	X	0.850			X	0.955	=	0.411			SQM
x18	0.5	X	0.850			X	0.955	=	0.411			SQM
x19	0.5	X	0.850			X	0.955	=	0.411			SQM
x20	0.5	X	0.850			X	0.955	=	0.411			SQM
x21	0.5	X	1.055			X	2.035	=	1.073			SQM
x22	0.5	X	1.225			X	1.940	=	1.188			SQM
x23	0.5	X	1.055			X	2.035	=	1.073			SQM
x24	0.5	X	1.225			X	1.940	=	1.188			SQM
x25	1	X	0.975			X	0.800	=	0.780			SQM
x26	1	X	0.975			X	1.200	=	1.170			SQM
x27	0.5	X	4.170	+	4.780	X	7.300	=	32.668			SQM
x28	0.5	X	4.170	+	4.780	X	7.300	=	32.668			SQM
								TOTAL	=	178.048		SQM

TOTAL 27TH FLOOR ADDITIONAL AREA	=	GROSS – A	+	GROSS – A1	-	GROSS – A2	
	=	1737.089	+	38.064	-	9.319	
GROSS – 1	=	1766.834	SQM				
TOTAL 27TH FLOOR DEDUCTION AREA	=	GROSS – B					
	=	178.048					
GROSS – 2	=	178.048	SQM				
TOTAL 27TH FLOOR FAR AREA	=	GROSS – 1	-	GROSS – 2			
	=	1766.834	-	178.048			
	=	1590.786	SQM				

NON FAR AREA (ADDITION)												
GROSS –C												
x11	2	X		1.395		X	1.055	=	2.669			SQM
x12	2	X		5.600		X	3.150	=	30.280			SQM
x21	0.5	X		1.055		X	2.035	=	1.073			SQM
x22	0.5	X		1.225		X	1.940	=	1.188			SQM
x23	0.5	X		1.055		X	2.035	=	1.073			SQM
x24	0.5	X		1.225		X	1.940	=	1.188			SQM
x27	0.5	X	4.170	+	4.780	X	7.300	=	32.668			SQM
x28	0.5	X	4.170	+	4.780	X	7.300	=	32.668			SQM
							TOTAL	=	107.808			SQM

NON FAR AREA(DEDUCTION)												
GROSS –D												
z1	1	X		0.750		X	2.350	=	1.763			SQM
z2	1	X		2.720		X	3.300	=	8.976			SQM
z3	1	X		1.830		X	3.300	=	6.039			SQM
z4	0.5	X	3.300	+	3.355	X	0.270	=	0.885			SQM
z5	0.5	X	0.340	+	0.870	X	3.120	=	1.888			SQM
z6	1	X		0.350		X	2.800	=	0.980			SQM
							TOTAL	=	20.530			SQM

TOTAL NON FAR AREA OF 27TH FLOOR	=	GROSS –C	-	GROSS –D			
	=	107.808	-	20.530			
	=	87.278	SQM				
TOTAL BUILTUP AREA OF 27TH FLOOR	=	FAR AREA	+	NON FAR AREA			
	=	1590.786	+	87.278			
	=	1678.064	SQM				

ARC AREA	AREA CALCULATION (ADDITIONAL)															
GROSS -A1																
a1	3.14	X	1.615	X	1.615	X	116	/	360	-	0.5	X	1.615	-	0.760	X	2.735	=	1.470	SQM
a3	3.14	X	4.895	X	4.895	X	118	/	360	-	0.5	X	4.895	-	2.360	X	8.375	=	13.962	SQM
a4	3.14	X	4.895	X	4.895	X	118	/	360	-	0.5	X	4.895	-	2.360	X	8.380	=	13.956	SQM
a6	3.14	X	1.610	X	1.610	X	116	/	360	-	0.5	X	1.610	-	0.760	X	2.735	=	1.460	SQM
a7	3.14	X	1.700	X	1.700	X	73	/	360	-	0.5	X	1.700	-	0.335	X	2.030	=	0.455	SQM
a8	3.14	X	4.600	X	4.600	X	34	/	360	-	0.5	X	4.600	-	0.200	X	2.700	=	0.335	SQM
a9	3.14	X	3.400	X	3.400	X	53	/	360	-	0.5	X	3.400	-	0.355	X	3.025	=	0.738	SQM
a10	3.14	X	10.350	X	10.350	X	36	/	360	-	0.5	X	10.350	-	0.495	X	6.335	=	2.421	SQM
a11	3.14	X	10.335	X	10.335	X	35	/	360	-	0.5	X	10.355	-	0.490	X	6.300	=	1.533	SQM
a12	3.14	X	3.400	X	3.400	X	53	/	360	-	0.5	X	3.400	-	0.355	X	3.025	=	0.738	SQM
a13	3.14	X	4.600	X	4.600	X	34	/	360	-	0.5	X	4.600	-	0.200	X	2.700	=	0.335	SQM
a14	3.14	X	1.700	X	1.700	X	83	/	360	-	0.5	X	1.700	-	0.425	X	2.245	=	0.661	SQM
																TOTAL	=	38.064	SQM

ARC AREA	AREA CALCULATION (DEDUCTION)															
GROSS -A2																
d1	3.14	X	14.725	X	14.725	X	38	/	360	-	0.5	X	14.725	-	0.815	X	9.650	=	4.750	SQM
d3	3.14	X	13.895	X	13.895	X	39	/	360	-	0.5	X	13.895	-	0.810	X	9.340	=	4.569	SQM
																TOTAL	=	9.319	SQM

NOTES:
- BUILDING WILL BE DESIGNED STRUCTURALLY AS PER RELEVANT IS CODES FOR EARTH QUAKE RESISTANCE.
- BUILDING HAS AUTOMATIC SPRINKLER SYSTEM ON ALL FLOORS.
- THE BUILDING IS FULLY MECHANICALLY VENTILATED & CENTRALLY AIR CONDITIONED WITH 100% POWER BACKUP.
- MSL 249.200 CONSIDERED AS ±00.00.
- ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.

DESIGN CONSULTANT:
RSP Design Consultants (I) Pvt. Ltd.
RSP UNIT 103 FIRST FLOOR BESTECH BUSINESS TOWER, SOHNA ROAD, SECTOR 48, GURUGRAM, HARYANA 122018

OWNER: DLF LIMITED
THE SHOPPING MALL,DLF QUTAB ENCLAVE(PHASE-I) GURGAON, HARYANA 122002

ASSOCIATE ARCHITECT:
SBA Design N Code LLP
Architecture-Codes-Interiors
(Formerly known as RSMS)
69,Nora Niwas Bhawani Kunj, (Behind D2), Vasant Kunj, New Delhi-110070.
Mob.: 9810791652,9811077209

STRUCTURAL ENGINEER:
LERA CONSULTING STRUCTURAL ENGINEERS (INDIA) PVT LTD
THE RUBY,NORTH WING, FLOOR 23,29 (SENPATI BAPAT MARG, DADAR (W) MUMBAI MAHARASHTRA INDIA 400 028

MEP CONSULTANT:
ARUP INDIA PRIVATE LIMITED
5TH FLOOR, JET PRIME, NEAR METRO STATION, SUREN ROAD, NEAR OFF., WESTERN EXPRESS HIGHWAY, ANDHERI EAST, MUMBAI, MAHARASHTRA INDIA 400 093

TITLE:-
REVISED BUILDING PLAN OF PHASE-R16 (THE DAHLIAS) FALLING IN GROUP HOUSING COLONY OVER AN AREA MEASURING 476.6015 ACRES NAMELY DLF-5 (EARLIER KNOWN AS ZONE-10, DLF CITY PHASE-V) IN SECTOR-42, 43, 53 & 54 GURUGRAM MANESAR URBAN COMPLEX BEING DEVELOPED BY DLF LIMITED.

PROJECT:- THE DAHLIAS

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 (O) Member B.P.A.C. — C.E.P (Hr.) Chairman B.P.A.C.
DTP(HQ) — ATP(HQ) — JD. — P.A. — A.T.P. — JD(HQ)
Checked and found ok for Public Health (Internal) Service only subject to comments in forwarding letter No. 26337o dt. 14/08/2025
JOT (T) MEMBER BPAC
Executive Engineer (HQ) Chief Engineer-I Panchkula
TO BE READ WITH THIS OFFICE MEMO NO.: 41357 DATED : 29-10-2025

ARCHITECT'S SEAL & SIGNATURE	OWNER'S SEAL & SIGNATURE

Date :Jun.2025 | Scale : 1:100

Drawing Title:-
27th FLOOR PLAN & AREA CALCULATION TOWER-02

Drawing No:- T2-05

DLF 5
03-12082025