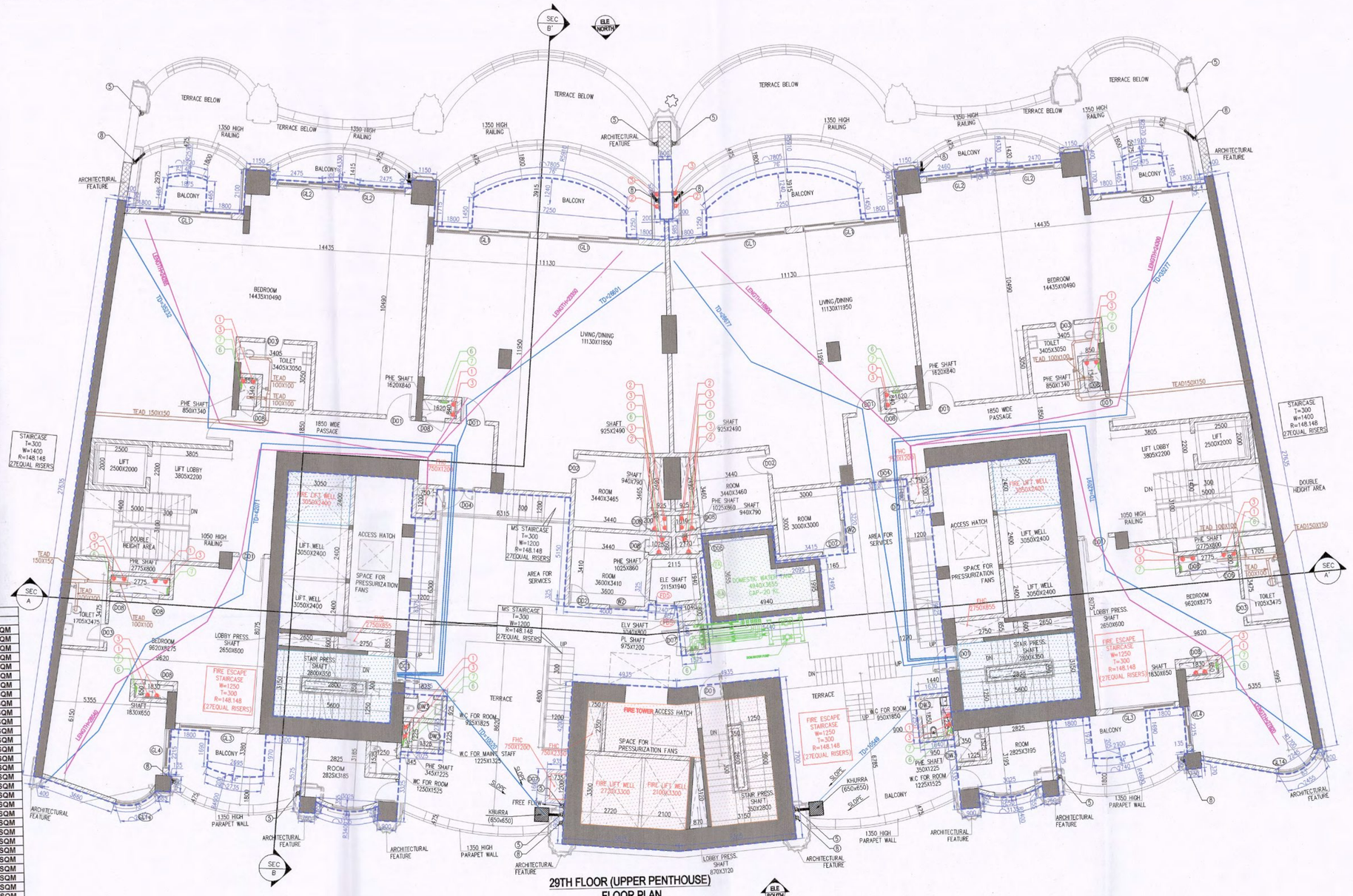


HVAC LEGEND :-
TOILET EXHAUST DUCT



29TH FLOOR (UPPER PENTHOUSE)
FLOOR PLAN
LVL+120.800
TOWER-3

DOOR / WINDOW SCHEDULE (TOWER-3)					
DOOR NAME	SIZE	CILL 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 3300	100 MM	2400	FHC	
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	ELV. SHAFT	
D10	1000 X 2300	100 MM	2400	FHC	
FD	1200 X 2100		2700	STAIRCASE	2 HRS
FD1	2000 X 2700		2700	SERVICE CORE LIFT LOBBY	2 HRS
FD2	1800 X 2650		2650	PASSENGER LIFT LOBBY	2 HRS
FD3	1500 X 2700		2700	REFUGE TERRACE	2 HRS
FD4	1200 X 2400		2400	ELE. ROOM (Ground Floor)	2 HRS
FD5	1800 X 2700		2700	ELEVE SHAFT	2 HRS
DW1	1200/2400 X 2700	1200 MM	2700	KITCHEN + REFUGE	
DW2	1500 X 2500/2700	1200 MM	2700	KITCHEN	
DW3	8003 2400			WC	
W2	1310 X 1500	900 MM	2400	ROOM	
W3	2000 X 900	1800 MM	2700	REFUGE FLOOR	2 HRS

GLAZING SCHEDULE (UPPER GROUND TO 29TH FLOOR)	
GLAZING NAME	SIZE
GL1	4380 X 3050
GL2	8660 X 3050
GL3	2965 X 3050
GL4	1965 X 3050
GL8	1965 X 4000
GL9	6950 X 4000
GL10	3135 X 4000
GL11	2920 X 4000
GL12	12185 X 4000
GL13	6460 X 4000
GL14	1810 X 2750

LEGEND :-

1	160Ø SOIL & WASTE COMBINE PIPE	
2	160Ø WASTE D/T PIPE	
3	160Ø ANTISYPHONE 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	
6A	DOMESTIC WATER SUPPLY RISER PIPE	
7A	FLUSHING WATER SUPPLY RISER PIPE	
	KHURRA 650x650MM	

29TH (UPPER PENTHOUSE) FLOOR AREA CALCULATION										
GROSS – A										
1	0.5	X	0.330	+	0.295	X	0.400	=	0.125	SQM
2	0.5	X	2.195	+	1.690	X	6.005	=	2.950	SQM
3	0.5	X	1.485	+	1.465	X	2.000	=	2.950	SQM
4	0.5	X	3.395	+	2.635	X	9.050	=	27.286	SQM
4a	4	X		1.150		X	0.400	=	1.840	SQM
5	0.5	X	52.780	+	54.340	X	10.550	=	585.058	SQM
6	0.5	X		10.995		X	0.915	=	5.030	SQM
7	0.5	X	1.450	+	1.250	X	7.250	=	9.788	SQM
8	1	X		0.250		X	0.985	=	0.246	SQM
9	1	X		0.600		X	2.825	=	1.695	SQM
10	0.5	X	1.250	+	1.450	X	7.250	=	9.788	SQM
11	0.5	X		26.285		X	2.165	=	28.454	SQM
11a	0.5	X	9.050	+	9.045	X	1.700	=	15.381	SQM
12	0.5	X	1.465	+	1.485	X	2.000	=	2.950	SQM
13	0.5	X	0.295	+	0.330	X	0.400	=	0.125	SQM
15	0.5	X	12.365	+	12.440	X	0.900	=	11.162	SQM
16	0.5	X	8.140	+	8.340	X	2.215	=	13.822	SQM
17	0.5	X	0.435	+	0.420	X	0.200	=	0.086	SQM
18	0.5	X	1.400	+	0.435	X	2.110	=	1.936	SQM
19	0.5	X	0.380	+	1.400	X	3.435	=	3.057	SQM
20	1	X		0.730		X	0.750	=	0.548	SQM
21	0.5	X	1.690	+	1.970	X	2.700	=	4.941	SQM
22	1	X		0.750		X	4.475	=	3.356	SQM
23	1	X		3.025		X	3.920	=	11.858	SQM
24	1	X		0.900		X	4.640	=	4.176	SQM
25	1	X		1.630		X	2.255	=	3.676	SQM
27	0.5	X	2.420	+	2.325	X	1.150	=	2.728	SQM
28	0.5	X		8.020		X	0.500	=	1.505	SQM
29	0.5	X	1.565	+	1.020	X	6.515	=	8.421	SQM
30	0.5	X	3.405	+	3.105	X	3.440	=	10.979	SQM
31	1	X		3.415		X	3.215	=	10.979	SQM
32	1	X		1.375		X	1.580	=	2.173	SQM
33	1	X		4.000		X	0.325	=	1.300	SQM
34	0.5	X		5.240		X	6.375	=	16.703	SQM
34b	0.5	X	6.815	+	6.810	X	0.065	=	0.443	SQM
34c	0.5	X	9.210	+	9.095	X	1.375	=	12.585	SQM
34d	0.5	X	4.555	+	4.540	X	0.160	=	0.728	SQM
35	0.5	X	1.020	+	1.550	X	6.315	=	8.115	SQM
36	0.5	X	2.325	+	2.420	X	1.150	=	2.728	SQM
37	0.5	X		6.020		X	0.500	=	1.505	SQM
38	0.5	X	2.595	+	2.635	X	3.295	=	8.616	SQM
39	0.5	X	2.635	+	3.880	X	3.295	=	10.371	SQM
39a	0.5	X	3.660	+	2.980	X	1.910	=	8.322	SQM
40	1	X		0.535		X	2.215	=	1.185	SQM
41	1	X		0.750		X	0.685	=	0.514	SQM
42	0.5	X	1.690	+	1.970	X	2.700	=	4.941	SQM
43	1	X		1.530		X	0.900	=	1.377	SQM
44	1	X		0.760		X	4.475	=	3.401	SQM
45	1	X		3.025		X	3.920	=	11.858	SQM
46	1	X		0.900		X	3.325	=	2.993	SQM
47	1	X		0.300		X	1.300	=	0.390	SQM
48	1	X		2.635		X	2.745	=	7.233	SQM
49	1	X		0.935		X	1.600	=	1.496	SQM
							TOTAL	=	882.802	SQM

DEDUCTION AREA										
GROSS –B										
x1	2	X			2.500	X	2.000	=	10.000	SQM
x2	2	X			0.850	X	1.340	=	2.278	SQM
x3	1	X			2.720	X	0.620	=	1.686	SQM
x3a	0.5	X	4.300	+	4.555	X	3.150	=	13.947	SQM
x3b	2	X			0.760	X	3.100	=	4.712	SQM
x4	1	X			2.720	X	0.620	=	1.686	SQM
x5	1	X			1.580	X	0.650	=	1.027	SQM
x6	1	X			0.250	X	0.290	=	0.073	SQM
x7	1	X			0.355	X	1.225	=	0.435	SQM
x7a	1	X			0.735	X	1.200	=	0.882	SQM
x7b	1	X			0.335	X	1.225	=	0.410	SQM
x8	2	X			1.620	X	0.840	=	2.722	SQM
x8a	1	X			0.750	X	1.200	=	0.900	SQM
x9	0.5	X	0.415	+	0.580	X	2.000	=	0.995	SQM
x10	0.5	X	0.415	+	0.580	X	2.000	=	0.995	SQM
x11	0.5	X	0.480	+	0.555	X	0.880	=	0.455	SQM
x12	0.5	X	0.480	+	0.555	X	0.880	=	0.455	SQM
x13	0.5	X	0.940	+	1.010	X	0.785	=	0.765	SQM
x14	0.5	X	0.940	+	1.010	X	0.785	=	0.765	SQM
x15	2	X		0.145		X	0.935	=	0.271	SQM
x16	0.5	X	0.880	+	0.955	X	0.935	=	0.858	SQM
x17	0.5	X	0.880	+	0.955	X	0.935	=	0.858	SQM
x18	0.5	X	1.055	+	1.225	X	1.940	=	2.212	SQM
x19	0.5	X	1.055	+	1.225	X	1.940	=	2.212	SQM
x19a	1	X		1.040		X	0.800	=	0.832	SQM
x19b	1	X		0.975		X	1.200	=	1.170	SQM
x20	0.5	X	4.300	+	4.580	X	3.165	=	14.021	SQM
x20a	1	X		2.720		X	0.620	=	1.686	SQM
x21	1	X		2.775		X	0.735	=	2.040	SQM
x22	1	X		1.580		X	0.650	=	1.027	SQM
x23	1	X		0.250		X	0.290	=	0.073	SQM
							TOTAL	=	72.448	SQM

TOTAL 29TH (UPPER PENTHOUSE) FLOOR ADDITIONAL AREA	=	GROSS – A	+	GROSS – A1	+	GROSS – A2	
	=	882.802	+	16.990	+	257.132	
GROSS – 1	=	1156.923	SQM				
TOTAL 29TH (UPPER PENTHOUSE) FLOOR DUDCTION AREA	=	GROSS – B					
	=	72.448	SQM				
GROSS – 2							
TOTAL 29TH (UPPER PENTHOUSE) FLOOR FLOOR FAR AREA	=	GROSS – 1	-	GROSS – 2			
	=	1156.923	-	72.448			
	=	1084.475	SQM				

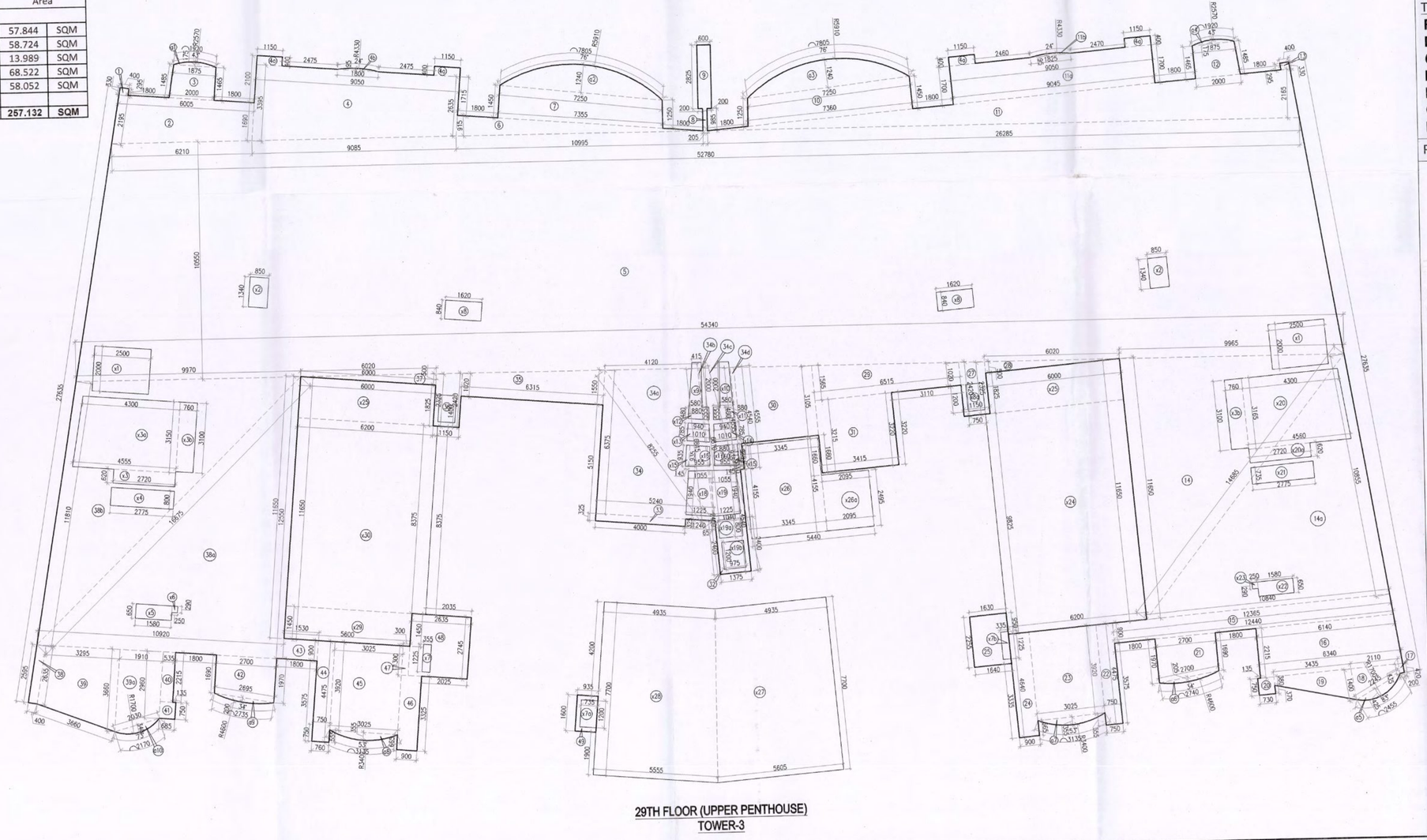
NON FAR AREA (ADDITION)										
GROSS –C										
x3	1	X			2.315	X	0.620	=	1.435	SQM
x3a	0.5	X	3.765	+	4.150	X	5.195	=	20.559	SQM
x18	0.5	X	1.055	+	1.225	X	1.940	=	2.212	SQM
x19	0.5	X	1.055	+	1.225	X	1.940	=	2.212	SQM
x20	0.5	X	3.715	+	4.145	X	5.195	=	20.416	SQM
x20a	1	X			2.310	X	0.620	=	1.432	SQM
x24	1	X			6.200	X	9.825	=	60.915	SQM
x25	2	X			6.000	X	1.825	=	21.900	SQM
x26	1	X			3.345	X	4.155	=	13.898	SQM
x26a	1	X			2.095	X	2.495	=	5.227	SQM
x27	0.5	X	4.935	+	5.605	X	7.700	=	40.579	SQM
x28	0.5	X	4.935	+	5.555	X	7.700	=	40.387	SQM
x29	1	X		5.600		X	1.450	=	8.120	SQM
x30	1	X		6.200		X	8.375	=	51.925	SQM
							TOTAL	=	291.217	SQM

TOTAL NON FAR AREA OF 29TH (UPPER PENTHOUSE) FLOOR	=	GROSS –C		
	=	291.217	SQM	
TOTAL BUILTUP AREA OF 29TH (UPPER PENTHOUSE) FLOOR	=	FAR AREA	+	NON FAR AREA
	=	1084.475	+	291.217
	=	1375.693	SQM	

ARC AREA	AREA CALCULATION (ADDITIONAL)																			
GROSS -A1																				
a1	3.14	X	2.570	X	2.570	X	43	/	360	-	0.5	X	2.570	-	0.175	X	1.875	=	0.203	SQM
a2	3.14	X	5.910	X	5.910	X	78	/	360	-	0.5	X	5.910	-	1.240	X	7.250	=	6.072	SQM
a3	3.14	X	5.910	X	5.910	X	78	/	360	-	0.5	X	5.910	-	1.240	X	7.250	=	6.072	SQM
a4	3.14	X	2.570	X	2.570	X	43	/	360	-	0.5	X	2.570	-	0.175	X	1.875	=	0.203	SQM
a5	3.14	X	1.700	X	1.700	X	73	/	360	-	0.5	X	1.700	-	0.335	X	2.030	=	0.442	SQM
a6	3.14	X	4.600	X	4.600	X	34	/	360	-	0.5	X	4.600	-	0.205	X	2.700	=	0.250	SQM
a7	3.14	X	1.600	X	1.600	X	69	/	360	-	0.5	X	1.600	-	0.285	X	1.815	=	0.338	SQM
a8	3.14	X	3.400	X	3.400	X	53	/	360	-	0.5	X	3.400	-	0.355	X	3.025	=	0.888	SQM
a9	3.14	X	4.600	X	4.600	X	34	/	360	-	0.5	X	3.400	-	0.200	X	2.695	=	1.871	SQM
a10	3.14	X	1.700	X	1.700	X	83	/	360	-	0.5	X	1.700	-	0.425	X	2.245	=	0.648	SQM
4b	3.14	X	4.330	X	4.330	X	24	/	360	-	0.5	X	4.330	-	0.095	X	1.800	=	0.113	SQM
11b	3.14	X	4.330	X	4.330	X	24	/	360	-	0.5	X	4.330	-	0.095	X	1.825	=	0.060	SQM
																	TOTAL	=	16.960	SQM

AREA CALCULATION												
NO.	A		B		C			s	AREA OF = S(S-A)(S-B)(S-C)	Area		
GROSS - A2												
14	14.685	+	11.650	+	9.965	/	2	=	18.15	3345.892	57.844	SQM
14a	10.840	+	14.865	+	10.855	/	2	=	18.28	3448.548	58.724	SQM
34a	4.120	+	6.815	+	8.255	/	2	=	9.595	195.695	13.989	SQM
38a	12.550	+	10.920	+	16.675	/	2	=	20.0725	4695.295	68.522	SQM
38b	9.970	+	16.675	+	11.810	/	2	=	19.2275	3370.077	58.052	SQM
									TOTAL	=	257.132	SQM

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



29TH FLOOR (UPPER PENTHOUSE)
TOWER-3

- 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 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
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 (Q) Member B.P.A.C.
S.T.P (H) Chairman B.P.A.C.
DTP(HQ)
ATP(HQ)
JD(HQ)
JOT (T) MEMBER B.P.A.C
Checked and found ok for Public Hearing (Internal) Service only subject to comments in forwarding letter No. 26937o Dt. 14/08/2025
SUPERINTENDING ENGINEER (HQ) & CHIEF ENGINEER-I
MEMO NO.: 41383
DATED : 29-10-2025

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

Date : JULY.2025
Scale :1:100
Drawing Title:- 29TH (UPPER PENTHOUSE) FLOOR PLAN & AREA CALCULATION TOWER-03
Drawing No:- T3-07
DLF 5
02-30092025