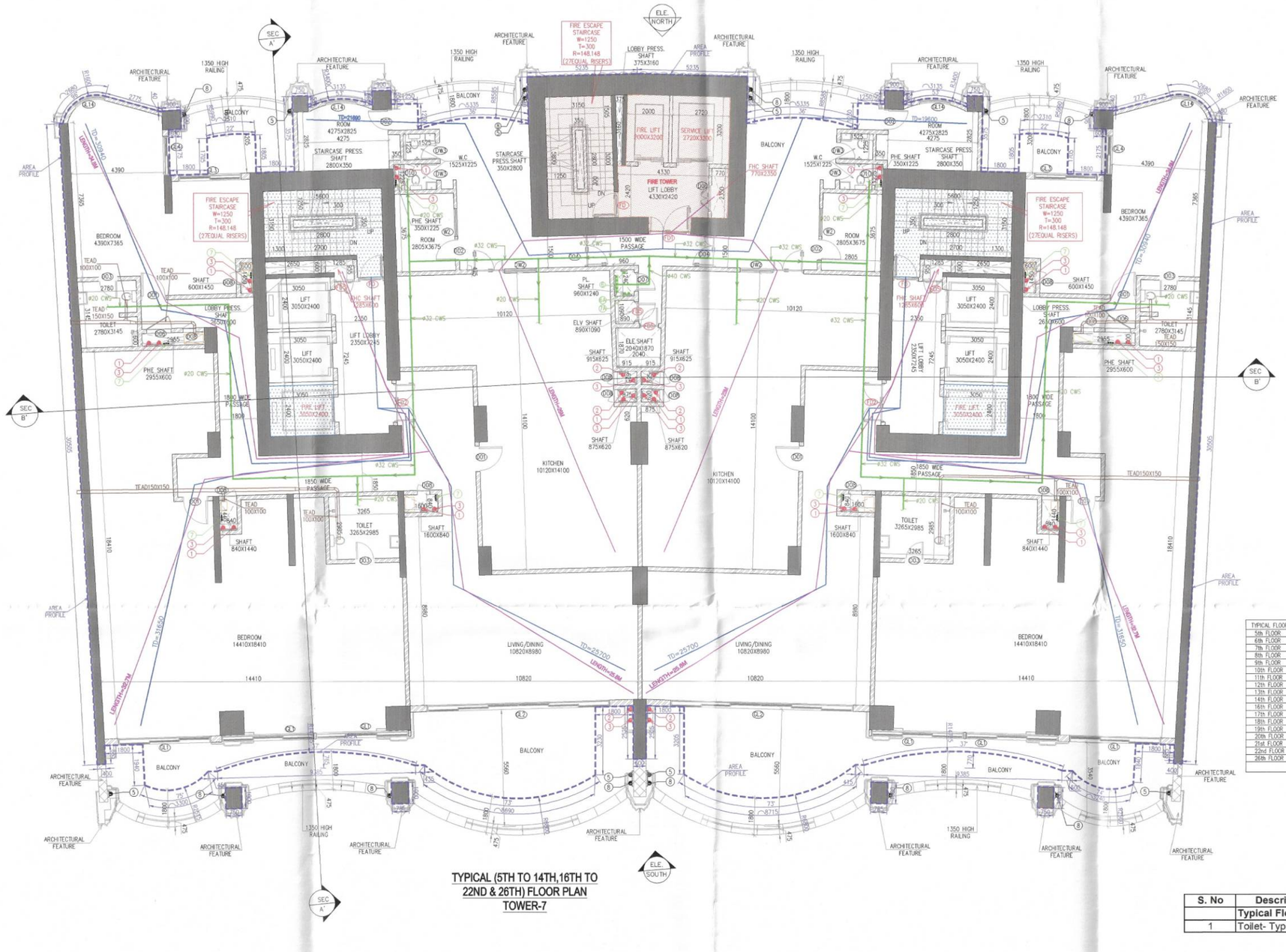
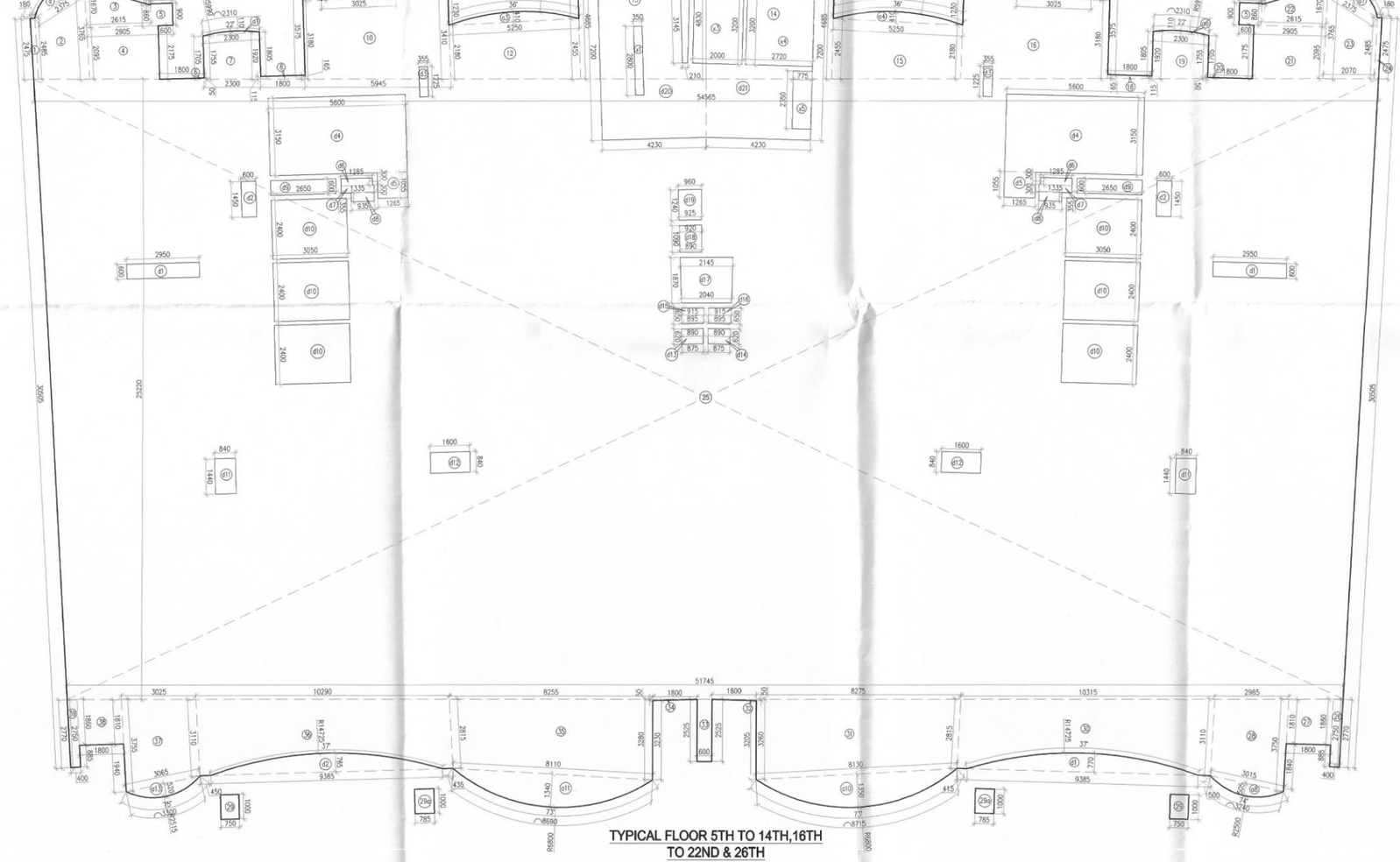


HVAC LEGEND :-
TOILET EXHAUST DUCT





DOOR / WINDOW SCHEDULE (TOWER-7)					
DOOR NAME	SIZE	SILL LVL	LINTEL LVL	LOCATION	FIRE RATED
D01	1200 X 2400		2400	BED ROOM ,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	FHC	
D07	900 X 2300	100 MM	2400	ELECTRICAL SHAFT	
D08	600 X 2300	100 MM	2400	PHE SHAFT	
D10	1000 X 2300	100 MM	2400	PHE SHAFT	
FD	1200 X 2700		2700	STAIRCASES	2 HRS
FD1	2000 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	1200 X 2400		2400	ELE. ROOM (Ground Floor)	2 HRS
FD5	900 X 2300	100 MM	2300	ELE. SHAFT	2 HRS
DW1	2600/1200 X 2700	1200 MM	2700	KITCHEN + REFUGE	
DW2	1500/1500 X 2700	1200 MM	2700	KITCHEN	
DW3	800X2800		2400	WC	
W2	1200 X 1500	900 MM	2400	ROOM	
W3	2000 X 900	1800 MM	2700	REFUGE FLOOR	2 HRS

GLAZING SCHEDULE UPPER GROUND TO 26TH FLOOR	
GLAZING NAME	SIZE
GL1	4390 X 3050
GL2	8660 X 3050
GL3	2965 X 3050
GL4	1865 X 3050
GL8	1855 X 4000
GL9	6155 X 4000
GL10	4530 X 4000
GL11	1930 X 4000
GL12	12385 X 4000
GL13	3000 X 4000
GL14	1450 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
	8A	DOMESTIC WATER SUPPLY RISER PIPE
	7A	FLUSHING WATER SUPPLY RISER PIPE
		KHURRA 650x650MM

TOILET EXHAUST DUCT

TYPICAL FLOOR	FLOOR LEVEL	UNITS
5th FLOOR	LVL+24.800	2
6th FLOOR	LVL+28.800	2
7th FLOOR	LVL+32.800	2
8th FLOOR	LVL+36.800	2
9th FLOOR	LVL+40.800	2
10th FLOOR	LVL+44.800	2
11th FLOOR	LVL+48.800	2
12th FLOOR	LVL+52.800	2
13th FLOOR	LVL+56.800	2
14th FLOOR	LVL+60.800	2
16th FLOOR	LVL+68.800	2
17th FLOOR	LVL+72.800	2
18th FLOOR	LVL+76.800	2
19th FLOOR	LVL+80.800	2
20th FLOOR	LVL+84.800	2
21st FLOOR	LVL+88.800	2
22nd FLOOR	LVL+92.800	2
26th FLOOR	LVL+108.800	2
	TOTAL UNITS =	36

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

TYPICAL FLOOR 5TH TO 14TH,16TH TO 22ND & 24TH TO 26TH AREA CALCULATION										
GROSS – A										
1	0.5	X	2.475	+	2.485	X	0.180	=	0.446	SQM
2	0.5	X	2.485	+	3.765	X	2.075	=	6.484	SQM
3	0.5	X	1.670	+	0.860	X	2.615	=	3.308	SQM
4	0.5	X	2.095	+	2.175	X	2.905	=	6.202	SQM
5	1	X			0.900	X	0.900	=	1.620	SQM
6	0.5	X			1.800	X	0.050	=	0.045	SQM
7	0.5	X	1.750	+	1.920	X	2.300	=	4.221	SQM
8	0.5	X	0.115	+	0.165	X	1.800	=	0.252	SQM
9	1	X			0.750	X	0.555	=	0.416	SQM
10	0.5	X	3.180	+	3.410	X	5.945	=	18.589	SQM
11	2	X			0.900	X	0.650	=	1.170	SQM
12	0.5	X	2.180	+	2.455	X	5.250	=	12.167	SQM
13	0.5	X	4.685	+	4.630	X	5.100	=	24.263	SQM
14	0.5	X	4.630	+	4.685	X	5.100	=	24.263	SQM
15	0.5	X	2.455	+	2.180	X	5.250	=	12.167	SQM
16	0.5	X	3.410	+	3.180	X	5.925	=	18.503	SQM
17	1	X			0.750	X	0.555	=	0.416	SQM
18	0.5	X	0.165	+	0.115	X	1.800	=	0.252	SQM
19	0.5	X	1.920	+	1.755	X	2.300	=	4.226	SQM
20	1	X			1.800	X	0.050	=	0.090	SQM
21	0.5	X	2.175	+	2.095	X	2.905	=	6.202	SQM
22	0.5	X	0.860	+	1.670	X	2.615	=	3.308	SQM
23	0.5	X	3.765	+	3.275	X	1.850	=	6.512	SQM
24	0.5	X	2.475	+	2.485	X	0.180	=	0.446	SQM
25	0.5	X	54.585	+	51.745	X	25.220	=	1340.569	SQM
26	0.5	X	2.750	+	2.770	X	0.400	=	1.104	SQM
27	0.5	X	1.810	+	1.660	X	1.800	=	3.303	SQM
28	0.5	X	3.110	+	3.750	X	2.985	=	10.239	SQM
29	1	X			0.750	X	1.000	=	1.500	SQM
29a	2	X			0.785	X	1.000	=	1.570	SQM
30	0.5	X	2.815	+	3.110	X	10.315	=	30.558	SQM
31	0.5	X	3.280	+	2.815	X	8.275	=	25.135	SQM
32	0.5	X			1.800	X	0.050	=	0.045	SQM
33	1	X			0.600	X	2.525	=	1.515	SQM
34	0.5	X			1.800	X	0.050	=	0.045	SQM
35	0.5	X	2.815	+	3.280	X	8.255	=	26.157	SQM
36	0.5	X	3.110	+	2.815	X	10.290	=	30.484	SQM
37	0.5	X	3.750	+	3.110	X	3.025	=	10.383	SQM
38	0.5	X	1.660	+	1.810	X	1.800	=	3.303	SQM
39	0.5	X	2.770	+	2.750	X	0.400	=	1.104	SQM
							TOTAL	=	1643.604	SQM
DEDUCTION AREA										
GROSS –B										
d1	2	X			2.950	X	0.600	=	3.540	SQM
d2	2	X			0.600	X	1.450	=	1.740	SQM
d3	2	X			0.355	X	1.223	=	0.870	SQM
d4	2	X			5.600	X	3.150	=	35.280	SQM
d5	2	X			1.285	X	1.055	=	2.709	SQM
d6	2	X			1.285	X	0.300	=	0.771	SQM
d7	2	X			1.335	X	0.300	=	0.801	SQM
d8	2	X			0.935	X	0.355	=	0.664	SQM
d9	2	X			2.650	X	0.500	=	3.180	SQM
d10	6	X			3.050	X	2.400	=	43.920	SQM
d11	2	X			0.840	X	1.440	=	2.419	SQM
d12	2	X			1.600	X	0.840	=	2.688	SQM
d13	0.5	X	0.875	+	0.890	X	0.620	=	0.547	SQM
d14	0.5	X	0.875	+	0.890	X	0.620	=	0.547	SQM
d15	0.5	X	0.915	+	0.895	X	0.650	=	0.588	SQM
d16	0.5	X	0.915	+	0.895	X	0.650	=	0.588	SQM
d17	0.5	X	2.145	+	2.040	X	1.870	=	3.913	SQM
d18	0.5	X	0.890	+	0.820	X	1.080	=	0.880	SQM
d19	0.5	X	0.960	+	0.925	X	1.240	=	1.169	SQM
d20	0.5	X	4.430	+	4.230	X	7.200	=	31.194	SQM
d21	0.5	X	4.430	+	4.230	X	7.200	=	31.194	SQM
							TOTAL	=	169.269	SQM
TOTAL TYPICAL FLOOR 5TH TO 14TH,16TH TO 22ND & 24TH TO 26TH ADDITIONAL AREA				=	GROSS – A	+	GROSS – A1	-	GROSS – A2	
				=	1643.604	+	23.240	-	8.968	
GROSS – 1				=	1657.895	SQM				
TOTAL TYPICAL FLOOR 5TH TO 14TH,16TH TO 22ND & 24TH TO 26TH AREA DEDUCTION AREA				=	GROSS – B					
				=	169.269					
GROSS – 2				=	169.269	SQM				
TOTAL TYPICAL FLOOR 5TH TO 14TH,16TH TO 22ND & 24TH TO 26TH AREA				=	GROSS – 1	-	GROSS – 2			
				=	1657.895	-	169.269			
				=	1488.626	SQM				
NON FAR AREA (ADDITION)										
GROSS –C										
d4	2	X			5.600	X	3.150	=	35.280	SQM
d5	2	X			1.285	X	1.055	=	2.709	SQM
d17	0.5	X	2.145	+	2.040	X	1.870	=	3.913	SQM
d20	0.5	X	4.430	+	4.230	X	7.200	=	31.194	SQM
d21	0.5	X	4.430	+	4.230	X	7.200	=	31.194	SQM
							TOTAL	=	104.290	SQM
NON FAR AREA(DEDUCTION)										
GROSS –D										
x1	1	X			0.300	X	2.800	=	0.980	SQM
x2	0.5	X	0.390	+	0.210	X	3.145	=	0.944	SQM
x3	1	X			2.000	X	3.200	=	6.400	SQM
x4	1	X			2.720	X	3.200	=	8.704	SQM
x5	1	X			0.775	X	2.350	=	1.821	SQM
							TOTAL	=	18.849	SQM
TOTAL NON FAR AREA OF TYPICAL FLOOR 5TH TO 14TH,16TH TO 22ND & 24TH TO 26TH				=	GROSS –C	-	GROSS –D			
				=	104.290	-	18.849			
				=	85.401	SQM				
TOTAL BUILTUP AREA OF TYPICAL FLOOR 5TH TO 14TH,16TH TO 22ND & 24TH TO 26TH AREA				=	FAR AREA	+	NON FAR AREA			
				=	1488.626	+	85.401			
				=	1574.027	SQM				

ARC AREA	AREA CALCULATION (ADDITIONAL)																
GROSS -A1																	
a	3.14	X	1.600	X	1.600	X	96	/	360	-	0.5	X	1.600	-	0.530	X	2.375	=	0.873	SQM
a1	3.14	X	5.990	X	5.990	X	22	/	360	-	0.5	X	5.990	-	0.110	X	2.300	=	0.123	SQM
a2	3.14	X	3.400	X	3.400	X	53	/	360	-	0.5	X	3.400	-	0.355	X	3.025	=	0.738	SQM
a3	3.14	X	8.585	X	8.585	X	36	/	360	-	0.5	X	8.585	-	0.410	X	5.250	=	1.490	SQM
a4	3.14	X	8.585	X	8.585	X	36	/	360	-	0.5	X	8.585	-	0.410	X	5.250	=	1.490	SQM
a5	3.14	X	3.400	X	3.400	X	53	/	360	-	0.5	X	3.400	-	0.355	X	3.025	=	0.738	SQM
a6	3.14	X	5.990	X	5.990	X	22	/	360	-	0.5	X	5.990	-	0.110	X	2.300	=	0.123	SQM
a7	3.14	X	1.600	X	1.600	X	96	/	360	-	0.5	X	1.600	-	0.530	X	2.375	=	0.873	SQM
a8	3.14	X	2.500	X	2.500	X	74	/	360	-	0.5	X	2.500	-	0.505	X	3.015	=	1.027	SQM
a10	3.14	X	6.800	X	6.800	X	73	/	360	-	0.5	X	6.800	-	1.350	X	8.130	=	7.288	SQM
a11	3.14	X	6.800	X	6.800	X	73	/	360	-	0.5	X	6.800	-	1.340	X	8.110	=	7.382	SQM
a13	3.14	X	2.515	X	2.515	X	75	/	360	-	0.5	X	2.515	-	0.520	X	3.065	=	1.102	SQM
																TOTAL	=	23.248	SQM

ARC AREA	AREA CALCULATION (DEDUCTION)
GROSS -A2	

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.(G) Member B.P.A.C. — C.T.P.(N) Chairman B.P.A.C.
DTP(HQ) — ATP(HQ) — JD. — JD(HQ) — JDT(T) MEMBER BPAC

Checked and found ok for Public Health (Internal) Service only subject to comments in forwarding letter No. 26937 dated 16/08/2025

Superintending Engineer (HQ) Chief Engineer-I HSVP, Panchkula

TO BE READ WITH THIS OFFICE MEMO NO.: 41383 DATED : 29-10-2025

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

Date : JULY.2025 | Scale : 1:100

Drawing Title:-
TYPICAL FLOOR PLAN
(5th to 14th,16th to 22nd & 26th)
& AREA CALCULATION
TOWER-07

Drawing No:- T7-03

DLF5

02-30092025