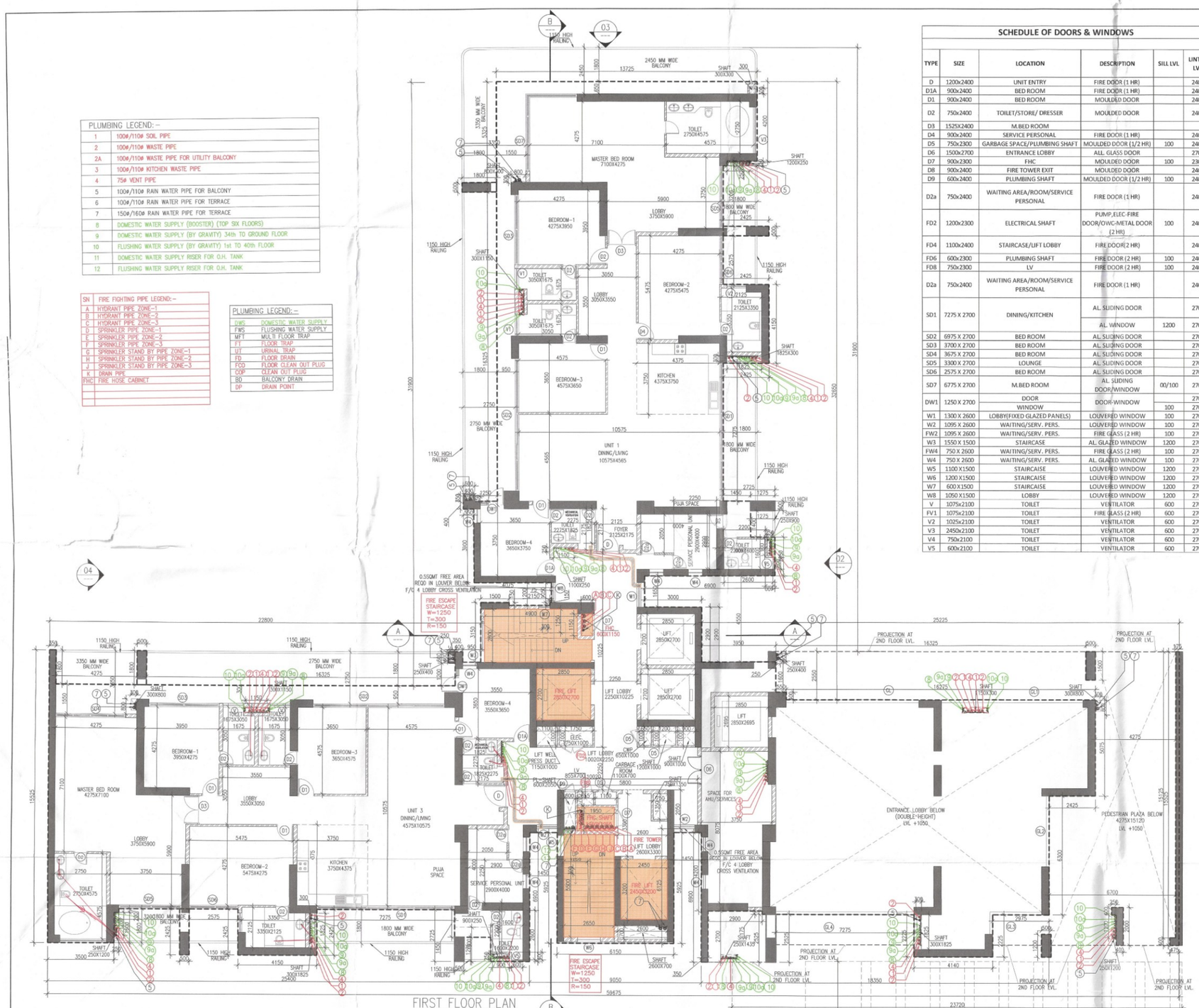
PLUMBING LEGEND:-	
1	100¢/110ø SOIL PIPE
2	100¢/110ø WASTE PIPE
2A	100¢/110ø WASTE PIPE FOR UTILITY BALCONY
3	100¢/110ø KITCHEN WASTE PIPE
4	75ø VENT PIPE
5	100¢/110ø RAIN WATER PIPE FOR BALCONY
6	100¢/110ø RAIN WATER PIPE FOR TERRACE
7	150ø/160ø RAIN WATER PIPE FOR TERRACE
8	DOMESTIC WATER SUPPLY (BOOSTED) (TOP SIX FLOORS)
9	DOMESTIC WATER SUPPLY (BY GRAVITY) 34th TO GROUND FLOOR
10	FLUSHING WATER SUPPLY (BY GRAVITY) 1st TO 40th FLOOR
11	DOMESTIC WATER SUPPLY RISER FOR O.H. TANK
12	FLUSHING WATER SUPPLY RISER FOR O.H. TANK

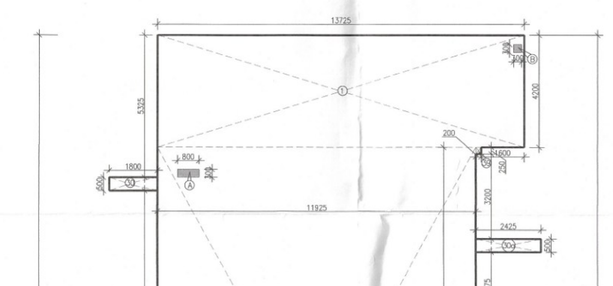
SN	FIRE FIGHTING PIPE LEGEND:-
A	HYDRANT PIPE ZONE-1
B	HYDRANT PIPE ZONE-2
C	HYDRANT PIPE ZONE-3
D	SPRINKLER PIPE ZONE-1
E	SPRINKLER PIPE ZONE-2
F	SPRINKLER PIPE ZONE-3
G	SPRINKLER STAND BY PIPE ZONE-1
H	SPRINKLER STAND BY PIPE ZONE-2
J	SPRINKLER STAND BY PIPE ZONE-3
K	BRAN PIPE
FHC	FIRE HOSE CABINET

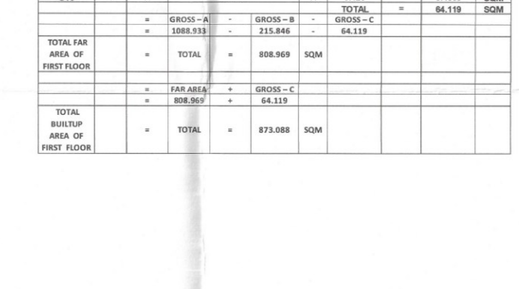
PLUMBING LEGEND:-	
DWS	DOMESTIC WATER SUPPLY
FWS	FLUSHING WATER SUPPLY
MFT	MULTI FLOOR TRAP
FT	FLOOR TRAP
UT	URINAL TRAP
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT PLUG
COP	CLEAN OUT PLUG
BD	BALCONY DRAIN
DP	DRAIN POINT

SCHEDULE OF DOORS & WINDOWS

TYPE	SIZE	LOCATION	DESCRIPTION	SILL LVL	LINTEL LVL
D	1200x2400	UNIT ENTRY	FIRE DOOR (1 HR)		2400
D1A	900x2400	BED ROOM	FIRE DOOR (1 HR)		2400
D1	900x2400	BED ROOM	MOULDED DOOR		2400
D2	750x2400	TOILET/STORE/ DRESSER	MOULDED DOOR		2400
D3	1525X2400	M.BED ROOM			
D4	900x2400	SERVICE PERSONAL	FIRE DOOR (1 HR)		2400
D5	750x2300	GARBAGE SPACE/PLUMBING SHAFT	MOULDED DOOR (1/2 HR)	100	2400
D6	1500x2700	ENTRANCE LOBBY	ALL GLASS DOOR		2700
D7	900x2300	FHC	MOULDED DOOR	100	2300
D8	900x2400	FIRE TOWER EXIT	MOULDED DOOR		2400
D9	600x2400	PLUMBING SHAFT	MOULDED DOOR (1/2 HR)	100	2400
D2a	750x2400	WAITING AREA/ROOM/SERVICE PERSONAL	FIRE DOOR (1 HR)		2400
FD2	1200x2300	ELECTRICAL SHAFT	PUMP,ELEC-FIRE DOOR/OVG-METAL DOOR (2 HR)	100	2400
FD4	1100x2400	STAIRCASE/LIFT LOBBY	FIRE DOOR(2 HR)		2400
FD6	600x2300	PLUMBING SHAFT	FIRE DOOR (2 HR)	100	2400
FD8	750x2300	LV	FIRE DOOR (2 HR)	100	2400
D2a	750x2400	WAITING AREA/ROOM/SERVICE PERSONAL	FIRE DOOR (1 HR)		2400
SD1	7275 X 2700	DINING/KITCHEN	AL SLIDING DOOR		2700
			AL WINDOW	1200	2700
SD2	6975 X 2700	BED ROOM	AL SLIDING DOOR		2700
SD3	3700 X 2700	BED ROOM	AL SLIDING DOOR		2700
SD4	3675 X 2700	BED ROOM	AL SLIDING DOOR		2700
SD5	3300 X 2700	LOUNGE	AL SLIDING DOOR		2700
SD6	2575 X 2700	BED ROOM	AL SLIDING DOOR		2700
SD7	6775 X 2700	M.BED ROOM	AL SLIDING DOOR/WINDOW	00/100	2700
DW1	1250 X 2700	DOOR WINDOW	DOOR+WINDOW	100	2700
W1	1300 X 2600	LOBBY(FIXED GLAZED PANELS)	LOUVERED WINDOW	100	2700
W2	1095 X 2600	WAITING/SERV. PERS.	LOUVERED WINDOW	100	2700
FW2	1095 X 2600	WAITING/SERV. PERS.	FIRE GLASS (2 HR)	100	2700
W3	1550 X 1500	STAIRCASE	AL GLAZED WINDOW	1200	2700
FW4	750 X 2600	WAITING/SERV. PERS.	FIRE GLASS (2 HR)	100	2700
W4	750 X 2600	WAITING/SERV. PERS.	AL GLAZED WINDOW	100	2700
W5	1100 X1500	STAIRCASE	LOUVERED WINDOW	1200	2700
W5	1200 X1500	STAIRCAISE	LOUVERED WINDOW	1200	2700
W7	600 X1500	STAIRCASE	LOUVERED WINDOW	1200	2700
W8	1050 X1500	LOBBY	LOUVERED WINDOW	1200	2700
V	1075x2100	TOILET	VENTILATOR	600	2700
FV1	1075x2100	TOILET	FIRE GLASS (2 HR)	600	2700
V2	1525x2100	TOILET	VENTILATOR	600	2700
V3	2450x2100	TOILET	VENTILATOR	600	2700
V4	750x2100	TOILET	VENTILATOR	600	2700
V5	600x2100	TOILET	VENTILATOR	600	2700

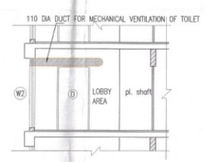






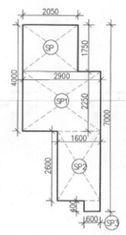
FAR AREA CALCULATION OF FIRST FLOOR TOWER-17								
GROSS-A								
1	1	X	13.725	X	4.200	=	57.645	SQM
2	1	X	11.925	X	21.900	=	261.158	SQM
3	1	X	2.425	X	4.150	=	10.064	SQM
4	1	X	1.250	X	4.300	=	5.375	SQM
5	1	X	2.750	X	0.350	=	0.973	SQM
5a	1	X	0.150	X	0.075	=	0.011	SQM
6	1	X	1.450	X	1.900	=	2.755	SQM
7	1	X	2.725	X	2.050	=	5.586	SQM
8	1	X	4.825	X	1.550	=	7.634	SQM
9	1	X	1.500	X	3.150	=	4.725	SQM
10	1	X	7.150	X	3.000	=	21.450	SQM
11	1	X	3.000	X	2.900	=	8.700	SQM
12	1	X	3.950	X	13.180	=	52.061	SQM
13	1	X	1.450	X	8.805	=	12.767	SQM
14	1	X	7.610	X	8.805	=	67.006	SQM
15	1	X	3.240	X	13.200	=	42.768	SQM
16	1	X	0.700	X	1.600	=	1.120	SQM
17	1	X	1.250	X	11.775	=	14.719	SQM
18	1	X	16.275	X	5.075	=	82.596	SQM
19	1	X	13.850	X	6.300	=	87.255	SQM
20	1	X	4.140	X	2.225	=	9.212	SQM
21	1	X	3.000	X	6.125	=	18.375	SQM
22	1	X	3.150	X	6.125	=	19.294	SQM
23	1	X	2.050	X	2.725	=	5.586	SQM
24	1	X	1.900	X	1.450	=	2.755	SQM
25	1	X	21.450	X	11.925	=	255.791	SQM
26	1	X	4.150	X	2.425	=	10.064	SQM
27	1	X	3.750	X	0.200	=	0.750	SQM
28	1	X	3.500	X	1.600	=	5.600	SQM
29	1	X	0.350	X	1.800	=	0.630	SQM
30	2	X	0.500	X	1.800	=	1.800	SQM
30a	2	X	0.500	X	2.425	=	2.425	SQM
31	2	X	0.500	X	1.275	=	1.275	SQM
32	1	X	0.510	X	2.525	=	1.288	SQM
33	1	X	0.350	X	2.700	=	0.945	SQM
33a	1	X	0.010	X	4.200	=	0.042	SQM
34	1	X	1.450	X	0.200	=	0.290	SQM
35	1	X	1.450	X	0.200	=	0.290	SQM
36	1	X	0.400	X	0.545	=	0.218	SQM
37	1	X	0.350	X	0.600	=	0.210	SQM
38	1	X	0.550	X	0.400	=	0.220	SQM
38a	1	X	0.600	X	0.350	=	0.210	SQM
39	1	X	0.350	X	0.600	=	0.210	SQM
40	1	X	0.500	X	1.500	=	0.750	SQM
41	1	X	0.250	X	0.400	=	0.100	SQM
41A	1	X	2.000	X	0.400	=	0.800	SQM
42	1	X	0.500	X	1.200	=	0.600	SQM
43	1	X	0.475	X	0.400	=	0.190	SQM
44	1	X	0.175	X	15.125	=	2.647	SQM
					TOTAL	=	1089.933	SQM
GROSS – B			DEDUCTION					
A	1	X	0.800	X	0.300	=	0.240	SQM
B	1	X	0.300	X	0.300	=	0.090	SQM
C	1	X	0.300	X	1.150	=	0.345	SQM
CA	1	X	0.400	X	0.250	=	0.100	SQM
C1	1	X	0.300	X	1.825	=	0.548	SQM
DA	1	X	0.250	X	0.900	=	0.225	SQM
E	1	X	1.350	X	0.600	=	0.810	SQM
E1	1	X	0.250	X	0.400	=	0.100	SQM
F	3	X	2.850	X	2.700	=	23.085	SQM
G	1	X	1.100	X	1.000	=	1.100	SQM
H	1	X	1.750	X	1.000	=	1.750	SQM
J	1	X	0.650	X	1.000	=	0.650	SQM
K	1	X	1.200	X	1.000	=	1.200	SQM
L	1	X	0.900	X	1.000	=	0.900	SQM
M	1	X	2.655	X	2.700	=	7.709	SQM
N	1	X	0.250	X	1.100	=	0.275	SQM
P	1	X	1.200	X	0.300	=	0.360	SQM
Q	1	X	0.300	X	0.600	=	0.180	SQM
R	1	X	0.300	X	1.825	=	0.548	SQM
R1	1	X	0.250	X	0.900	=	0.225	SQM
T	1	X	0.200	X	1.100	=	0.220	SQM
U	1	X	0.300	X	3.475	=	1.043	SQM
V	1	X	0.550	X	10.825	=	5.954	SQM
W	1	X	13.450	X	11.075	=	148.959	SQM
X	1	X	2.175	X	0.250	=	0.544	SQM
Y	1	X	2.425	X	4.275	=	10.367	SQM
Z	1	X	0.250	X	3.750	=	0.938	SQM
Z1	1	X	0.250	X	1.175	=	0.294	SQM
Z2	1	X	3.590	X	1.975	=	7.090	SQM
					TOTAL	=	215.846	SQM
GROSS – C		STAIRCASE AREA OF FIRST FLOOR						SQM
ST1	1	X	0.700	X	1.200	=	0.840	SQM
ST1A	1	X	4.900	X	2.800	=	13.720	SQM
ST2	1	X	6.800	X	2.060	=	11.890	SQM
ST3	1	X	6.150	X	6.125	=	37.669	SQM
					TOTAL	=	64.119	SQM
	=	GROSS – A	-	GROSS – B	-	GROSS – C		
	=	1088.533	-	215.846	-	64.119		
TOTAL FAR AREA OF FIRST FLOOR	=	TOTAL	=	808.969	SQM			
	=	FAR AREA	+	GROSS – C				
	=	808.969	+	64.119				
TOTAL BUILTUP AREA OF FIRST FLOOR	=	TOTAL	=	873.088	SQM			

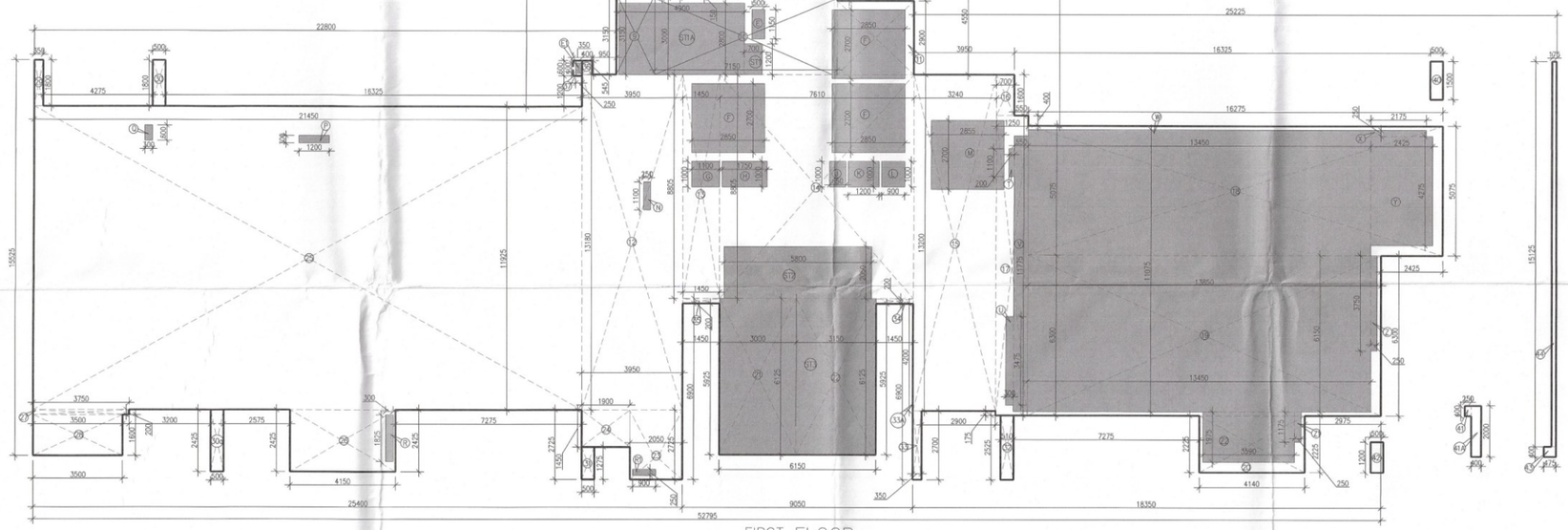
Typical Mechanical Ventilation Calculation for WC											
Tower-17-Toilet Exhaust sheet											
S. No.	LOCATIONS	Toilet Dimension in (mtr)		Toilet Area	Toilet Area	Toilet Height		Toilet Volume	Toilet Design	Selected Exhaust Fan	Fan Size	Exhaust Duct Size
		Length	Width	in (Sq Mtr)	in (Sq Ft)	in (mtr)	in (ft)	in (Cu.ft)	in (CFM)		LxBxH (mm)	Diameter (mm)
1	Typical Mechanical Ventilation Calculation for WC											
1.1	ENTRANCE TOILET	2.275	1.825	4.15	44.76	2.70	8.86	396	79	1#100 CFM. Inline Fan	300x250x180	110 (OD)



SECTION XX

PERSONAL SERVICE AREA									
GROSS – XX									
SP	=	1	X	2.050	X	1.750	=	3.588	SQM
SP1	=	1	X	2.250	X	2.900	=	6.525	SQM
SP2	=	1	X	1.600		2.600		4.160	
SP3	=	1	X	0.600	X	0.400	=	0.240	SQM
						TOTAL	=	14.513	SQM


SERVICE PERSONAL UNIT
(CARPET AREA)
AREA DIAGRAM TOWER-17


FIRST FLOOR
AREA DIAGRAM
TOWER-17

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. WC SHALL BE MECHANICALLY LIGHT & VENTILATED WHEREVER REQUIRED

This is a "PROVISIONAL BUILDING PLAN" approved only for the purpose of inviting objections from the general public

S.T.P. (HQ) Member, BPAC — C.T.P. (HQ) Chairman, BPAC

Rajesh Dutt JD(HQ)

TO BE READ WITH THIS OFFICE MEMO NO.: DATED :

N
NORTH

PROJECT:
ADDITIONAL & REVISED BUILDING PLANS FOR GROUP HOUSING COLONY UNDER MIX LAND USE IN TOD ZONE (99% GH COMPONENT + 01% COMMERCIAL COMPONENT) WITH 350 FAR (LICENCE NO 80 OF 2012 DATED 17.08.2012) OVER AN AREA MEASURING 24.10 ACRES FALLING IN SECTOR 106, GURUGRAM BEING DEVELOPED BY ELAN AVENUE LTD AND OTHER'S (EARLIER KNOWN AS AIRMID DEVELOPERS LTD.)

OWNER'S SEAL & SIGNATURE

Elan Avenue Limited
Authorised Signatory

ARCHITECT'S SEAL & SIGNATURE

DTP (HQ) Member BPAC
Ar. Ravinder Kumar CA/2012/55971

Checked and found ok for Public Health (Internal) Service only subject to commants in ... dtd ... 24/23 DV 2367/PH
Executive Engineer (HQ)

JUNE-2024. | Scale :-

Drawing Title:- TOWER-17 FIRST FLOOR PLAN & FAR AREA CALCULATION

Drawing No:- T17-02