PLUMBING LEGEND:-	
1	100#/110# SOIL PIPE
2	100#/110# WASTE PIPE
2A	100#/110# WASTE PIPE FOR UTILITY BALCONY
3	100#/110# KITCHEN WASTE PIPE
4	75# VENT PIPE
5	100#/110# RAIN WATER PIPE FOR BALCONY
6	100#/110# RAIN WATER PIPE FOR TERRACE
7	150#/160# RAIN WATER PIPE FOR TERRACE
8	DOMESTIC WATER SUPPLY (BOOSTER) (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

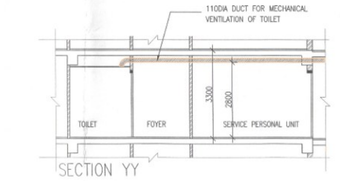
SN	FIRE FIGHTING PIPE LEGEND:-
A	HYDRANT PIPE ZONE-1
B	HYDRANT PIPE ZONE-2
C	HYDRANT PIPE ZONE-3
D	SPRINKLER PIPE ZONE-1
E	SPRINKLER PIPE ZONE-2
F	SPRINKLER PIPE ZONE-3
G	SPRINKLER STAND BY PIPE ZONE-1
H	SPRINKLER STAND BY PIPE ZONE-2
J	SPRINKLER STAND BY PIPE ZONE-3
K	DRAIN PIPE
FHC	FIRE HOSE CABINET

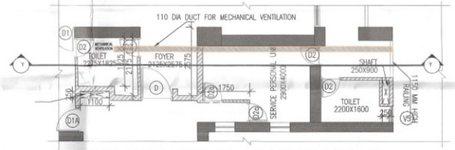
PLUMBING LEGEND:-	
DWS	DOMESTIC WATER SUPPLY
FWS	FLUSHING WATER SUPPLY
MFT	MULTI FLOOR TRAP
FT	FLOOR TRAP
UT	URINAL TRAP
FD	FLOOR DRAIN
FCO	FLOOR CLEAN OUT PLUG
COP	CLEAN OUT PLUG
BD	BALCONY DRAIN
DP	DRAIN POINT

SCHEDULE OF DOORS & WINDOWS

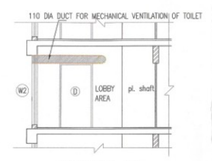
TYPE	SIZE	LOCATION	DESCRIPTION	SILL LVL	LINTEL LVL
D	1200x2400	UNIT ENTRY	FIRE DOOR (1 HR)		2400
D1A	900x2400	BED ROOM	FIRE DOOR (1 HR)		2400
D1	900x2400	BED ROOM	MOULDED DOOR		2400
D2	750x2400	TOILET/STORE/ DRESSER	MOULDED DOOR		2400
D3	1525X2400	M.BED ROOM			2400
D4	900x2400	SERVICE PERSONAL	FIRE DOOR (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/OWC-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	DOOR-WINDOW		2700
		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	1500 X1500	STAIRCASE	LOUVERED WINDOW	1200	2700
W6	1200 X1500	STAIRCASE	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	1025x2100	TOILET	VENTILATOR	600	2700
V3	2450x2100	TOILET	VENTILATOR	600	2700
V4	750x2100	TOILET	VENTILATOR	600	2700
V5	600x2100	TOILET	VENTILATOR	600	2700

TYPICAL FLOOR	FLOOR LEVEL	UNITS	SERVICE PERSONAL UNIT
2nd FLOOR	ULA+4800	3	3
3rd FLOOR	ULA+11250	3	3
4th FLOOR	ULA+17400	3	3
5th FLOOR	ULA+23750	3	3
6th FLOOR	ULA+30100	3	3
7th FLOOR	ULA+25350	3	3
8th FLOOR	ULA+28500	3	3
9th FLOOR	ULA+31950	3	3
10th FLOOR	ULA+35200	3	3
11th FLOOR	ULA+38550	3	3
12th FLOOR	ULA+41850	3	3
13th FLOOR	ULA+45150	3	3
14th FLOOR	ULA+48450	3	3
15th FLOOR	ULA+51750	3	3
16th FLOOR	ULA+55050	3	3
17th FLOOR	ULA+58350	3	3
19th FLOOR	ULA+64950	3	3
20th FLOOR	ULA+68250	3	3
21st FLOOR	ULA+71700	3	3
22nd FLOOR	ULA+74850	3	3
23rd FLOOR	ULA+78150	3	3
24th FLOOR	ULA+81450	3	3
25th FLOOR	ULA+84750	3	3
26th FLOOR	ULA+88050	3	3
28th FLOOR	ULA+94650	3	3
29th FLOOR	ULA+97950	3	3
31st FLOOR	ULA+104550	3	3
33rd FLOOR	ULA+111150	3	3
34th FLOOR	ULA+114450	3	3
35th FLOOR	ULA+117750	3	3
37th FLOOR	ULA+124350	3	3
38th FLOOR	ULA+127650	3	3
	TOTAL UNITS =	102	102

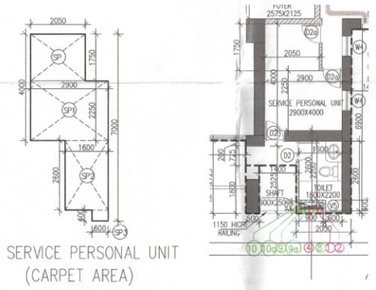


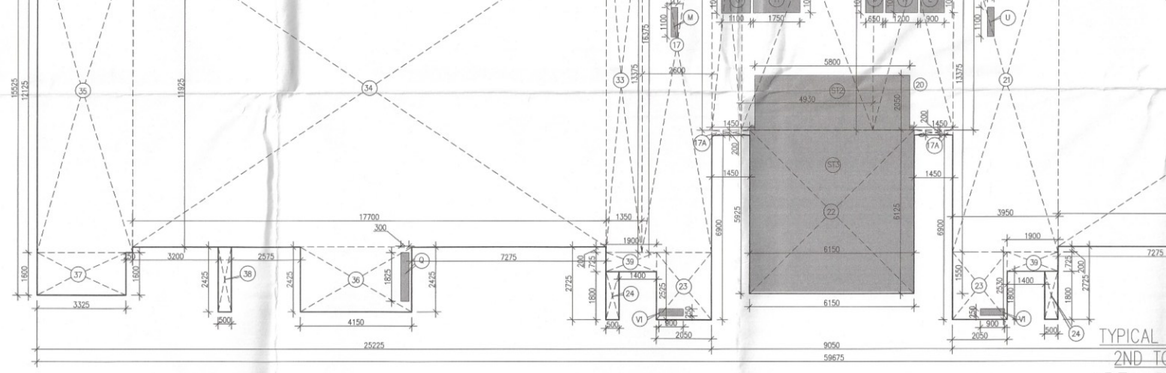


Typical Mechanical Ventilation Calculation for WC											
Tower-16-Toilet Exhaust sheet											
S. No.	LOCATIONS	Toilet Dimension in (mtr)		Toilet Area	Toilet Area	Toilet Height		Toilet Volume	Toilet Design	Selected Exhaust Fan	Fan Size	Exhaust Duct Size
		Length	Width	in (Sq Mtr)	in (Sq Ft)	in (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	19100 CFM, Inline Fan	300x250x180	110 (OD)



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





FAR AREA CALCULATION OF TYPICAL FLOOR 2ND TO 39TH (TOWER-16)									
GROSS – 1									
1	=	1	X	12.125	X	4.450	=	53.956	SQM
2	=	1	X	1.600	X	4.200	=	6.720	SQM
3	=	1	X	1.800	X	0.500	=	0.900	SQM
4	=	1	X	2.425	X	0.500	=	1.213	SQM
5	=	1	X	11.925	X	17.700	=	211.073	SQM
6	=	1	X	2.425	X	4.150	=	10.064	SQM
7	=	1	X	0.550	X	0.400	=	0.220	SQM
7a	=	1	X	0.600	X	0.350	=	0.210	SQM
8	=	1	X	1.250	X	4.300	=	5.375	SQM
9	=	1	X	7.750	X	4.300	=	33.325	SQM
10	=	1	X	4.175	X	3.950	=	16.491	SQM
11	=	1	X	0.925	X	1.900	=	1.758	SQM
12	=	1	X	2.725	X	2.050	=	5.586	SQM
13	=	1	X	1.800	X	0.500	=	0.900	SQM
14	=	1	X	1.500	X	0.150	=	0.225	SQM
15	=	1	X	0.350	X	0.600	=	0.210	SQM
16	=	1	X	0.400	X	0.550	=	0.220	SQM
17	=	1	X	2.600	X	16.375	=	42.575	SQM
17A	=	2	X	1.450	X	0.200	=	0.580	SQM
18	=	1	X	1.120	X	11.800	=	13.216	SQM
18a	=	1	X	0.075	X	0.150	=	0.011	SQM
19	=	1	X	4.930	X	13.000	=	64.090	SQM
20	=	1	X	3.000	X	11.700	=	35.100	SQM
21	=	1	X	3.950	X	13.375	=	52.831	SQM
21A	=	1	X	0.400	X	0.550	=	0.220	SQM
21B	=	1	X	0.350	X	0.600	=	0.210	SQM
22	=	1	X	6.150	X	6.125	=	37.669	SQM
23	=	2	X	2.050	X	2.530	=	10.373	SQM
24	=	2	X	0.500	X	1.800	=	1.800	SQM
25	=	1	X	17.950	X	11.925	=	214.054	SQM
26	=	1	X	0.500	X	1.800	=	0.900	SQM
27	=	1	X	0.350	X	1.800	=	0.630	SQM
28	=	1	X	3.500	X	12.125	=	42.438	SQM
29	=	1	X	4.150	X	2.425	=	10.064	SQM
30	=	1	X	0.500	X	2.425	=	1.213	SQM
31A	=	1	X	0.200	X	0.250	=	0.050	SQM
32	=	1	X	3.500	X	1.600	=	5.600	SQM
33	=	1	X	1.350	X	13.375	=	18.056	SQM
34	=	1	X	17.700	X	11.925	=	211.073	SQM
35	=	1	X	3.575	X	12.125	=	43.347	SQM
36	=	1	X	4.150	X	2.425	=	10.064	SQM
37	=	1	X	3.325	X	1.600	=	5.320	SQM
38	=	1	X	0.500	X	2.425	=	1.213	SQM
39	=	2	X	1.900	X	0.725	=	2.755	SQM
40	=	1	X	0.175	X	1.800	=	0.315	SQM
41	=	1	X	0.500	X	1.800	=	0.900	SQM
				TOTAL AREA			=	1175.110	SQM
GROSS -2				DEDUCATION AREA					
A	=	1	X	0.800	X	0.300	=	0.240	SQM
A1	=	1	X	0.300	X	0.300	=	0.090	SQM
B	=	1	X	1.150	X	0.300	=	0.345	SQM
C	=	1	X	0.250	X	0.400	=	0.100	SQM
D	=	1	X	1.825	X	0.300	=	0.548	SQM
E	=	1	X	1.100	X	0.250	=	0.275	SQM
F	=	3	X	2.850	X	2.700	=	23.085	SQM
F1	=	1	X	0.600	X	1.150	=	0.690	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	0.250	X	1.100	=	0.275	SQM
N	=	1	X	1.200	X	0.300	=	0.360	SQM
P	=	1	X	0.300	X	0.600	=	0.180	SQM
Q	=	1	X	0.300	X	1.825	=	0.548	SQM
R	=	1	X	0.300	X	1.825	=	0.548	SQM
S	=	1	X	1.200	X	0.300	=	0.360	SQM
T	=	1	X	0.300	X	0.600	=	0.180	SQM
U	=	1	X	0.250	X	1.100	=	0.275	SQM
V1	=	3	X	0.900	X	0.250	=	0.675	SQM
U1	=	2	X	0.250	X	0.400	=	0.200	SQM
				TOTAL AREA			=	34.673	SQM
				GROSS -3(STAIRCASE DEDUCATION AREA)					
ST	=	1	X	0.700	X	1.200	=	0.840	SQM
ST1	=	1	X	4.900	X	2.800	=	13.720	SQM
ST2	=	1	X	5.800	X	2.050	=	11.890	SQM
ST3	=	1	X	6.150	X	6.125	=	37.669	SQM
				TOTAL AREA			=	64.119	SQM

FAR AREA OF TYPICAL FLOOR	GROSS – 1	-	GROSS –2	-	GROSS –3
	1175.110	-	34.573	-	64.119
	1076.418	SQM			
BUILT-UP AREA OF TYPICAL FLOOR	FAR AREA	+	GROSS-3		
	1076.418	+	64.119		
	1140.537	SQM			

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 Secretary B.P.A.C. | S.T.P.(G) Member B.P.A.C. | C.T.P.(HR.) Chairman B.P.A.C.

AD | PA | ATP | DTP (HQ) | ATP (HQ)

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

Ar. Ravinder Kumar
CA/2012/255971
DDT (HQ) Member BPAC

Checked and found ok for Public Health (Internal) Service only subject to comments in Scrutiny letter no. 24413 Dtd. 23/07/2024

JUNE–2024. Scale 1:100

Drawing Title: Superintending Engineer (HQ) Authorised Signatory
TOWER- 16
TYPICAL FLOOR PLAN & 2ND TO 39TH FLOOR FAR AREA CALCULATION

Drawing No:- T16-03