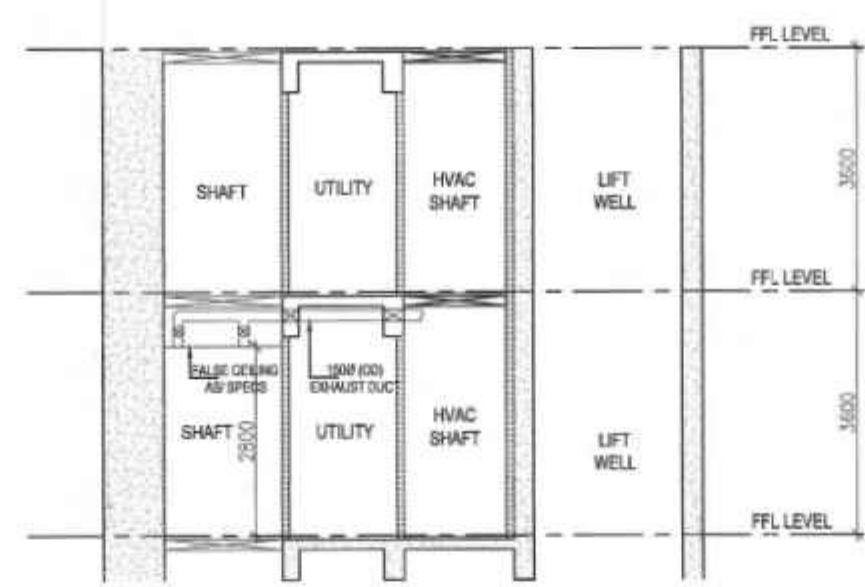
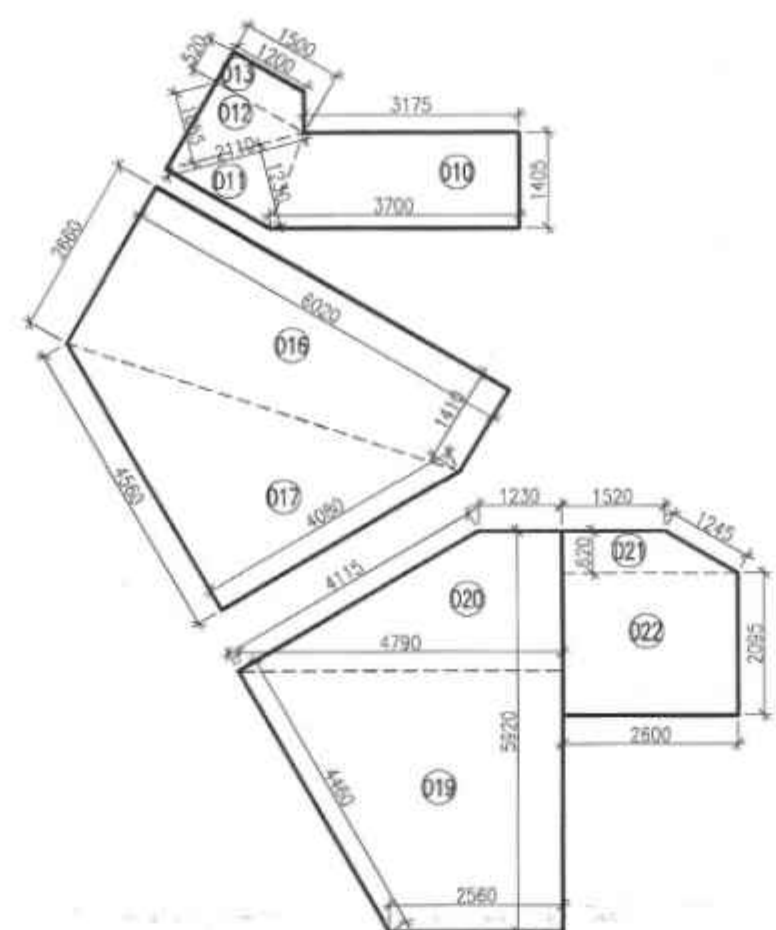


UPPER PENTHOUSE 40TH FLOOR AREA CALCULATION						
ADDITION AREA						
S. No.	COEFF.	Dim (m)	X	Dim (m)	Nos.	Area (SQM)
F1	0.667	1.120	X	0.380	12	3.40
F2	0.5	1.040	X	0.815	6	2.54
F3	(4.975+5.550)/2	X	0.375	4	12.10	
F4	1	5.550	X	1.350	4	29.97
F5	1	10.400	X	5.775	1	60.06
F5A	1	0.400	X	0.300	2	0.24
F5B	1	0.700	X	0.300	1	0.21
F6	1	9.525	X	1.925	2	36.67
F7	(1.925+1.350)/2	X	0.375	2	1.88	
F8	1	2.525	X	5.775	3	43.73
F8A	1	2.225	X	5.775	2	25.69
F9	1	6.875	X	8.150	1	56.03
F10	1	4.175	X	1.825	3	22.85
F11	(4.510+4.000)/2	X	8.175	1	34.78	
F12	0.5	7.400	X	18.490	1	68.61
F13	0.5	4.875	X	15.830	1	38.58
F14	0.5	8.160	X	18.490	1	75.43
F15	0.5	15.675	X	4.985	1	39.07
F16	(2.415+1.630)/2	X	8.175	1	16.53	
F17	1	15.060	X	8.150	2	245.31
F18	(2.170+1.625)/2	X	8.175	1	15.51	
FA	0.667	0.815	X	0.160	3	0.26
TOTAL ADDITION AREA (A)						829.33
DEDUCTION AREA						
S. No.	COEFF.	Dim (m)	X	Dim (m)	Nos.	Area (SQM)
D1	1	1.825	X	1.775	2	6.51
D2	1	0.325	X	1.750	2	1.13
D2A	1	0.325	X	0.425	1	0.13
D3	1	2.125	X	0.450	2	1.91
D3A	1	2.125	X	1.675	1	3.55
D4	1	2.025	X	1.525	3	9.36
D5	0.5	1.070	X	1.850	1	0.99
D6	1	2.175	X	2.200	6	28.71
D7	0.5	1.090	X	1.915	1	1.04
D8	1	1.200	X	0.400	1	0.48
D9	1	1.570	X	0.400	2	0.62
D10	(3.175+3.700)/2	X	1.405	1	4.83	
D11	0.5	2.110	X	1.230	1	1.29
D12	0.5	2.110	X	1.055	1	1.11
D13	(1.200+1.500)/2	X	0.520	1	0.70	
D14	0.5	2.005	X	1.155	1	1.15
D15	(1.155+1.875)/2	X	1.250	1	1.89	
D16	(2.660+1.410)/2	X	6.020	1	12.25	
D17	0.5	6.120	X	3.040	1	9.30
D18	0.5	2.100	X	1.210	2	2.54
D19	(2.560+4.790)/2	X	3.860	1	14.18	
D20	(1.230+4.790)/2	X	2.060	1	6.20	
D21	(1.520+2.600)/2	X	0.620	1	1.27	
D22	1	2.600	X	2.095	1	5.44
D23	1	2.100	X	3.200	1	6.72
D24	(1.755+1.195)/2	X	0.975	1	1.43	
D25	0.5	1.120	X	1.945	1	1.08
D26	0.5	1.775	X	1.025	1	0.91
D27	0.5	1.850	X	1.075	1	0.99
D28	1	5.050	X	5.150	2	52.01
D28A	1	5.050	X	2.525	1	12.75
D28B	1	2.625	X	1.350	1	3.54
D29	(5.150+5.750)/2	X	0.575	3	8.38	
D30	0.5	5.760	X	3.035	1	9.50
D31	(0.650+4.415)/2	X	5.800	1	14.68	
D32	1	0.300	X	4.415	1	1.32
D33	0.5	5.960	X	2.980	1	8.88
D34	1	2.825	X	3.500	1	9.88
D35	1	4.950	X	5.090	1	25.19
D36	(4.620+4.950)/2	X	0.330	1	1.57	
TOTAL DEDUCTION AREA (D)						278.67
TOTAL NET F.A.R. AREA (F1 - D1) = F						550.65
TOTAL NON FAR AREA (N)						59.14
TOTAL BUILTUP AREA (F+N)						609.80

40TH FLOOR NON FAR AREA CALCULATION						
D10	(3.175+3.700)/2	X	1.405	1		4.830
D11	0.5	2.110	X	1.230	1	1.298
D12	0.5	2.110	X	1.055	1	1.113
D13	(1.200+1.500)/2	X	0.520	1		0.702
D16	(2.660+1.410)/2	X	6.020	1		12.251
D17	0.5	6.120	X	3.040	1	9.302
D18	0.5	2.100	X	1.210	2	2.541
D19	(2.560+4.790)/2	X	3.860	1		14.186
D20	(1.230+4.790)/2	X	2.060	1		6.201
D21	(1.520+2.600)/2	X	0.620	1		1.277
D22	1	2.600	X	2.095	1	5.447
TOTAL NON FAR AREA (N)						59.147



TYPICAL MECHANICAL VENTILATION CALCULATION FOR W.C.									
S.NO.	LOCATION	AREA	HEIGHT	VOLUME	DESIGN CFM	SELECTED EXHAUST FAN	FAN SIZE	EXHAUST DUCT SIZE	
		(Sq.ft.)	(ft.)	(Cu.ft.)			LXBXH (mm)	DIAMETER (mm)	
1.1	1 W.C.	20.1	9.2	184.9	50	1# 100 cfm cassette inline fan	270x270x171	150 (OD)	
1.2	2 W.C.	20.1	9.2	184.9 x 2	50 x 2	1# 100 cfm cassette inline fan	270x270x171	150 (OD)	

UPPER PENTHOUSE 40TH FLOOR AREA DIAGRAM

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

Checked and found ok for Public Health (Internal) Service only subject to comments in forwarding letter No. 3212/22. Dtd. 28/11/24

Ram Avtar Bansi JD(HQ)

DD(M) MEMBER BPAC

5. APPROVED TO BE READ WITH THIS OFFICE MEMO NO. 4222 DATED: 31/01/2025

UPPER PENTHOUSE 40TH FLOOR PLAN

FIRE LEGEND:-
A. 1 HOUR FIRE RATED PIPE LOW ZONE.
B. RAIN DRAIN PIPE.
C. CO TYPE FIRE ESTINGUISHERS & SLS.
D. 1/2 IN. R.F. TYPE CO. FIRE ESTINGUISHERS.
E. FLOOR DRAIN PIPE.
F. FIRE HOSE.
G. FIRE HOSE CABINET (FHC).

DESCRIPTION	SYMBOL
100 HP JWC SILE & VENT PIPE	1
100 HP JWC WATER & VENT PIPE	2
100 HP JWC EXTEND WATER & VENT PIPE	3
75 HP VENT PIPE (F)	4
100 HP JWC RAIN WATER PIPE	5
100 HP JWC RAIN & BALCONY RAIN WATER PIPE	6
100 HP VENTILEY BALCONY RAIN WATER PIPE	7
DOMESTIC WATER SUPPLY IN TAKE	8
FLOODING WATER SUPPLY IN TAKE	9
DOMESTIC WATER SUPPLY ROOF	10
FLOODING WATER SUPPLY ROOF	11
PIPE SLOP	12
RAIN DRAIN (F)	13
RAIN DRAIN (F)	14
BALCONY DRAIN PIPE	15
DOMESTIC WATER SUPPLY (FHS)	16
HYDROPHORIC DOMESTIC WATER (FHS)	17
FLOODING WATER SUPPLY (FHS)	18
FLOODING WATER SUPPLY (FHS)	19
FLOODING WATER SUPPLY ROOF	20
100 HP SILE PIPE	21
100 HP VENT PIPE	22
100 HP VENT PIPE	23
RAIN WATER PIPE	24
HEALTH DRAIN (H)	25
HEALTH DRAIN (H)	26
BALL VALVE / BUTTERFLY VALVE	27

TYPICAL DOOR WINDOW SCHEDULE									
NAME	WIDTH	HEIGHT	CILL	LINTEL					
D1	1500	2400	0	2400					
D2	1000	2400	0	2400					
D3	800	2400	0	2400					
W1	1600	1800	600	2400					
V1	600	1200	1200	2400					
SD1	2750	2400	0	2400					
SD2	4300	2400	0	2400					
SD3	1350	2400	0	2400					
SD4	1675	2400	0	2400					
SD5	4575	2400	0	2400					
SD6	3500	2400	0	2400					
SD7	4150	2400	0	2400					
DW1	1750	2400	00/1050	2400					
G1	4150	2400	0	2400					
G2	3500	2400	0	2400					
G3	4300	2400	0	2400					
G4	2800	2400	0	2400					
G5	4575	2400	0	2400					
GD1	4110	5100	0	5100					
FD1	1200	2400	0	2400					
FD2	1250	2400	0	2400					
FD3	1500	2400	0	2400					
FH	900	2400	0	2400					
GS	2400	1500	0	2400					