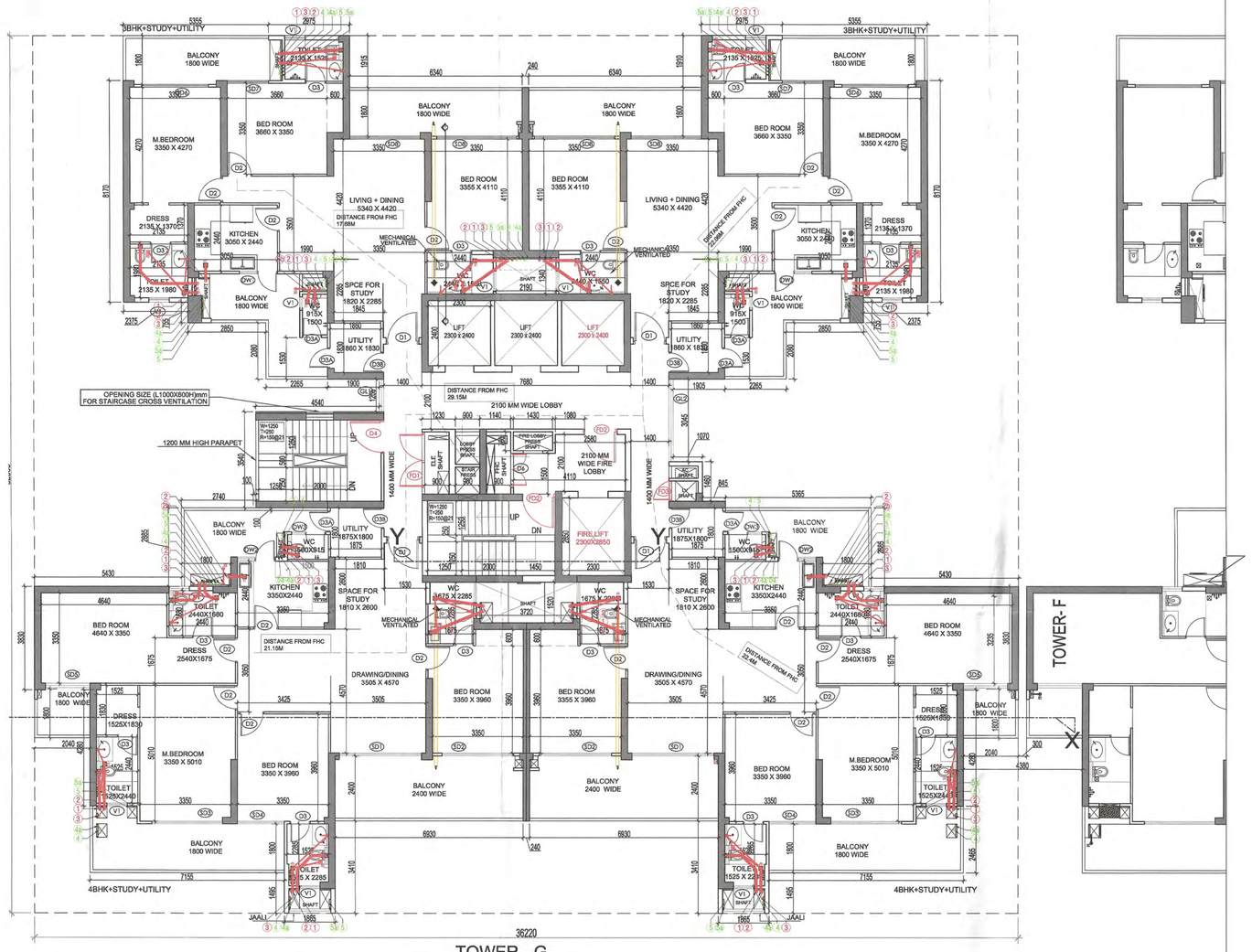
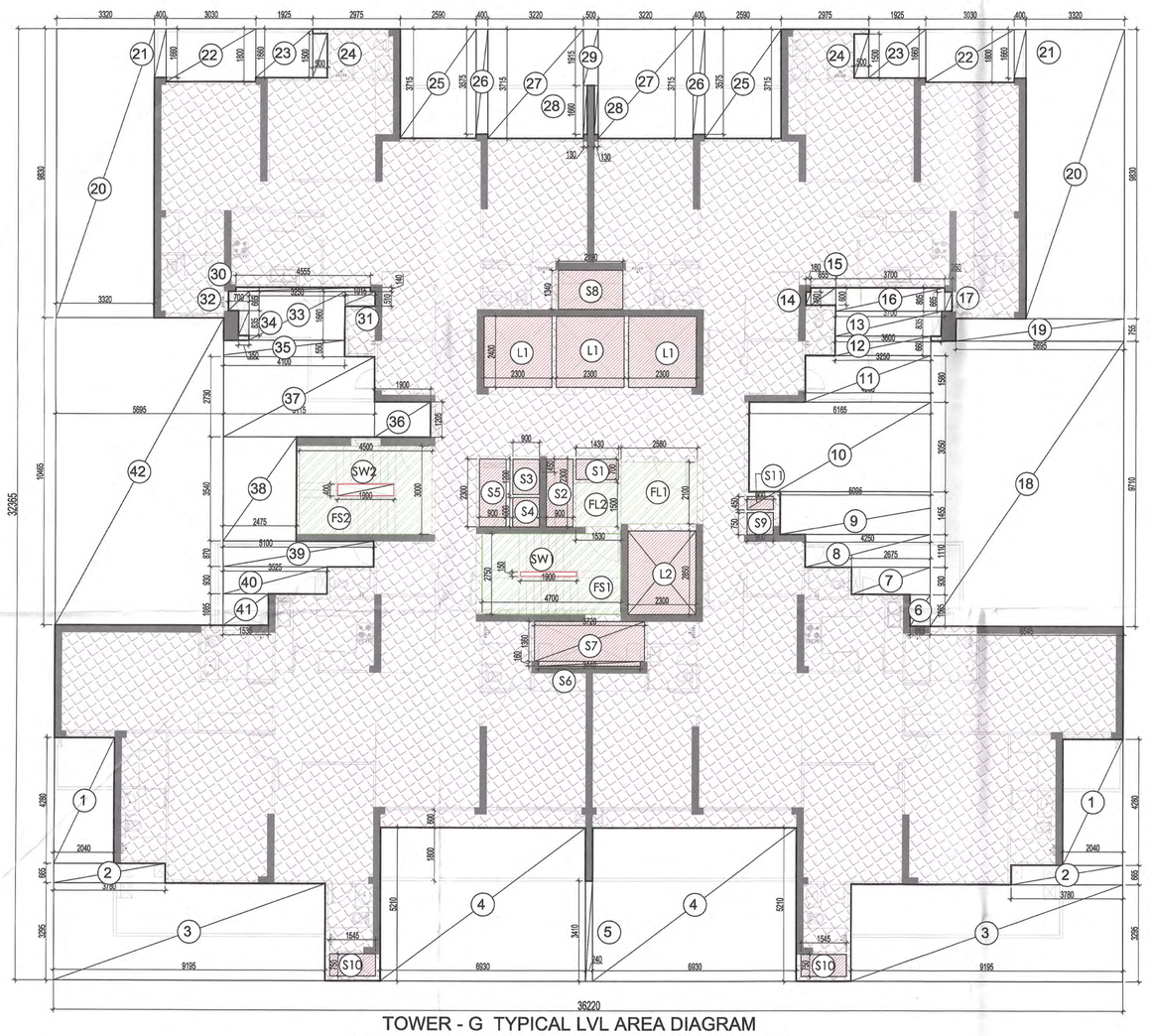
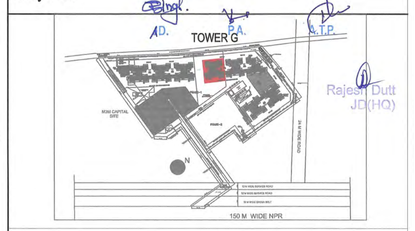




SANCTIONED
TO BE READ WITH THIS OFFICE
MEMO NO.: 6324
DATED: 20-02-2024

DTP (HQ) — S.T.P. (HQ) Member Secretary B.P.A.C. — S.T.P. (G) Member B.P.A.C. — S.T.P. (GR) Chairman B.P.A.C.
Consultant Architect — ATP(HQ) — DT (T) MASTER BPAC

Key Plan



FAR AREA AT TYPICAL LVL -TOWER - G
(All Distances are in Meter & Areas in Sqm)

ADDITIONS (A)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
A	1	36.220	32.365	1172.260
TOTAL(A) =				1172.260

DEDUCTION (B)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
1	2	2.040	4.280	17.462
2	2	3.780	0.665	5.027
3	2	9.195	3.295	60.595
4	2	6.930	5.210	72.211
5	1	0.240	3.410	0.818
6	1	0.685	1.085	0.743
7	1	2.675	0.930	2.488
8	1	4.250	1.110	4.718
9	1	5.095	1.455	7.413
10	1	6.165	3.050	18.803
11	1	4.265	1.580	6.739
12	1	3.250	0.660	2.145
13	1	3.600	0.835	3.006
14	1	0.160	0.460	0.074
15	1	0.855	0.600	0.513
16	1	3.700	0.805	2.979
17	1	0.250	0.665	0.166
18	1	6.545	9.710	63.552
19	1	5.695	0.755	4.300
20	2	3.320	9.830	65.271
21	2	0.400	1.660	1.328
22	2	3.030	1.800	10.908
23	2	1.925	1.660	6.391
24	2	0.500	1.500	1.500
25	2	2.590	3.715	19.244
26	2	0.400	3.575	2.860
27	2	3.220	3.715	23.925
28	2	0.130	1.660	0.432
29	1	0.500	1.915	0.958
30	1	4.555	0.140	0.638
31	1	1.015	0.510	0.518
32	1	0.700	0.665	0.466
33	1	3.250	1.660	5.395
34	1	0.350	0.835	0.292
35	1	4.100	0.550	2.255
36	1	1.900	1.205	2.290
37	1	5.115	2.730	13.964
38	1	2.475	3.540	8.762
39	1	5.100	0.870	4.437
40	1	3.525	0.930	3.278
41	1	1.535	1.085	1.665
42	1	5.695	10.465	59.598
TOTAL				510.124

SERVICE SHAFT & LIFT (C)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
L1	3	2.300	2.400	16.560
L2	1	2.300	2.850	6.555
S1	1	1.430	0.700	1.001
S2	1	0.900	2.300	2.070
S3	1	0.900	1.200	1.080
S4	1	0.900	1.000	0.900
S5	1	0.900	2.300	2.070
S6	1	3.440	0.160	0.550
S7	1	3.720	1.360	5.059
S8	1	2.190	1.340	2.935
S9	1	0.900	0.750	0.675
S10	2	1.545	0.750	2.318
S11	1	0.900	0.450	0.405
TOTAL SERVICES AREA				42.178

NON FAR/ STAIRCASE (D)

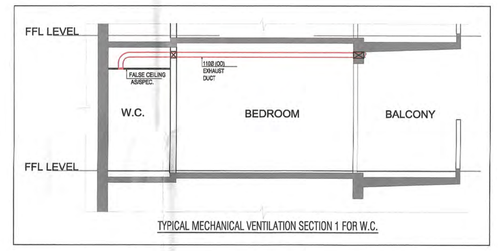
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
FL1	1	2.580	2.100	5.418
FL2	1	1.500	1.530	2.295
FS1	1	4.700	2.750	12.925
FS2	1	4.500	3.000	13.500
TOTAL NON FAR AREA				34.138

DEDUCTION (E)

ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
SW1	1	1.900	0.150	0.285
SW2	1	1.900	0.400	0.760
TOTAL				1.045

TOTAL NON FAR AREA (F) = (D-E)				
34.138	-	1.045	=	33.093

TOTAL FAR AREA AT TYP LVL. = ADDITION(A) - DEDUCTION (B+C+D)=				
1172.260	-	510.124	-	42.178
-	34.138	=	585.821	SQ.MT



TYPICAL MECHANICAL VENTIALTION CALCULATION FOR W.C.

S.No.	Location	Area (Sq.ft.)	Height (Ft.)	Volume (Cu.ft.)	Design CFM CFM	SELECTED EXHAUST FAN	FAN SIZE LXBXH (mm)	EXHAUST DUCT SIZE DIAMETER (mm)
1	TYPICAL MECHANICAL VENTIALTION FOR W.C.							
1.1	W.C.	43	9.2	395	79	1# 100 cfm cassette Inline fan	270X270X171	110 (OD)

Checked and found ok for Public Health (Mainly) Service only subject to comments in in forwarding letter No. 2534379 dtd. 5/12/23

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

AREA FAR

AREA NON FAR

SERVICE SHAFT (CUTOU

2 HRS. FIRE RATED FULI

DOOR WINDOW SCHEDULE

TYPE	WIDTH	HEIGHT	SILL LVL.	LINTEL LVL.	REMARKS
D1	1200	2400	± 00	2400	ENTRANCE (ONE HOUR FIRE RATED DOOR)
D1A	1200	2400	± 00	2400	ENTRANCE REFUGE FLOOR (TWO HOUR FIRE RATED DOOR)
D2	900	2250	± 00	2250	BEDROOMS/ KITCHEN ENTRY
D3	750	2250	± 00	2250	TOILETS
D3A	750	2500	± 00	2500	UTILITY BALCONY DOOR
D3B	750	2400	± 00	2400	UTILITY ENTRANCE (ONE HOUR FIRE RATED DOOR)
D3C	750	2400	± 00	2400	UTILITY ENTRANCE REFUGE LVL (ONE HOUR FIRE RATED DOOR)
D4	1200	2400	± 00	2100	COORIDOR STAIRCASE DOOR
D5	1250	2400	± 00	2400	STILT LOBBY ENTRANCE
D6	1200	2000	+100	2100	FHC
SD1	3020	2500	± 00	2500	DRAWING ROOM
SD2	2650	2500	± 00	2500	BEDROOM
SD2A	3000	2500	± 00	2500	DRAWING
SD3	2600	2500	± 00	2500	BEDROOM
SD3A	1455	2500	± 00	2500	BEDROOM
SD3B	2910	2500	± 00	2500	BEDROOM
SD4	1725	2500	± 00	2500	BEDROOM
SD5	1640	2500	± 00	2500	BEDROOM
SD6	2450	2500	± 00	2500	BEDROOM
SD7	1525	2500	± 00	2500	BEDROOM
SD8	2590	2500	± 00	2500	LIVING/BEDROOM
DW1	1500	1450	+1050	2500	KITCHEN, UTILITY
DW2	1400	1450	+1050	2500	KITCHEN, UTILITY
DW3	1250	1450	+1050	2500	UTILITY
W1	1200	1250	+1250	2500	BEDROOM
V1	600	1450	+1050	2500	TOILETS
FD1	2000	2000	+100	2100	FIRE RATED DOOR
FD2	1250	2400	± 00	2400	FIRE RATED DOOR
FD3	750	2000	100	2100	FIRE RATED DOOR
FD4	1000	2000	100	2100	FIRE RATED DOOR
GL1	1200	1400	100	2500	GLAZED DOOR

LEGEND FOR PLUMBING:-

1	100Ø SOIL & VENT PIPE
1a	150Ø SOIL & VENT PIPE
2	100Ø WASTE & VENT PIPE
2a	150Ø WASTE & VENT PIPE
2b	75Ø WASTE PIPE FOR UTILITY BALCONY
3	75Ø ANTI-SYPHONAGE PIPE
4	DOMESTIC WATER SUPPLY PIPE
4a	DOMESTIC WATER SUPPLY PIPE FOR TOP 5 FLOOR FROM BOOSTER LINE
5	FLUSHING WATER SUPPLY PIPE FOR LOW RISE
5a	FLUSHING WATER SUPPLY PIPE FOR HIGH RISE
6	75Ø RAIN WATER PIPE FOR BALCONY
6a	100Ø RAIN WATER PIPE
6b	150Ø RAIN WATER PIPE
6c	200Ø RAIN WATER PIPE
7	DOMESTIC WATER TANK FILLING PIPE
8	FLUSHING WATER TANK FILLING PIPE
	110Ø PVC PIPE
	EXHAUST AIR GRILLE

FIRE FIGHTING LEGEND:-

A	150Ø FIRE PIPE FOR LOW RISE
A1	150Ø FIRE PIPE FOR MID RISE
A2	150Ø FIRE PIPE FOR HIGH RISE
B	150Ø SPRINKLER PIPE FOR LOW RISE
B1	150Ø SPRINKLER PIPE FOR MID RISE
B2	150Ø SPRINKLER PIPE FOR HIGH RISE
C	80Ø SPRINKLER DRAIN PIPE

Owner:

Union Buildmart Pvt.Ldt, Vibrant infratech Pvt. Ltd, Targe Buildcon Pvt in Collaboration with Union Buildmart Pvt. Ltd

Architect:

GIAN P. MATHUR AND ASSOCIATES (P) LTD.
C - 55, East Of Kailash, New Delhi-110065
T : 011-46599599 / F 011-46599512
E : info@gpmindia.com / W : www.gpmindia.com

Project Title:

GROUP HOUSING COLONY (MIX LAND USE RESIDENTIAL 99.5% AND 0.5% COMMERCIAL) ON THE AREA MEASURING 10.225 ACRES **(LICENCE NO. 229 OF 2023 DATED 02-11-2023) IN** SECTOR -113, GURUGRAM

Status: SUBMISSION DRAWING

Sheet Title: RESIDENTIAL -TOWER-G TYPICAL LVL LAYOUT & AREA DETAILS

Owner's Sign: Union Buildmart Pvt. Ltd. Authorised Signatory

Architect's Sign: GIAN P. MATHUR ARCHITECT B. Arch., M.C.A. I.I.A CA No. 80/5769

SCALE: 1: 100

DATE:

DWG. No. SD/AR/M3M-113A/T-G/104