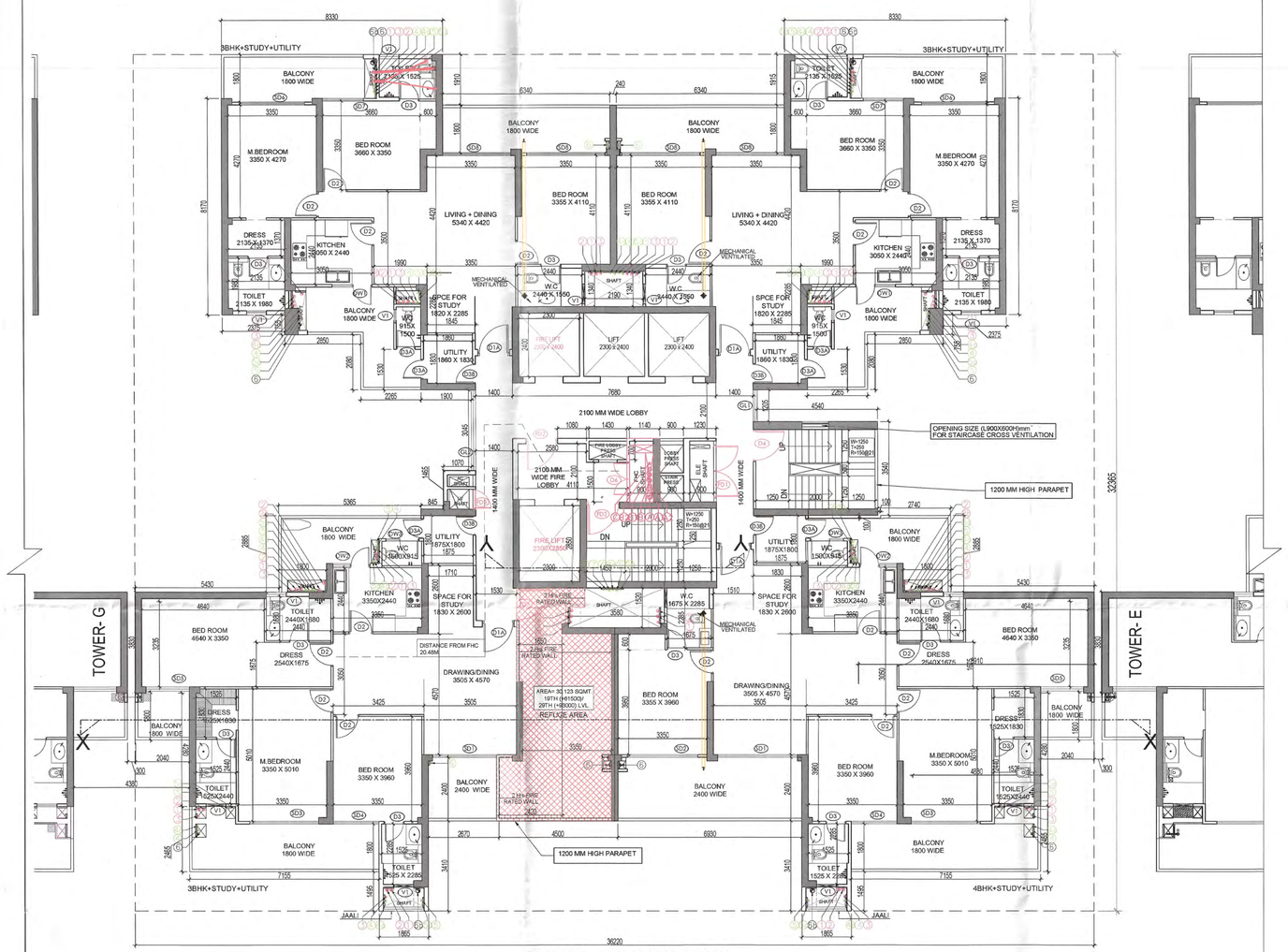
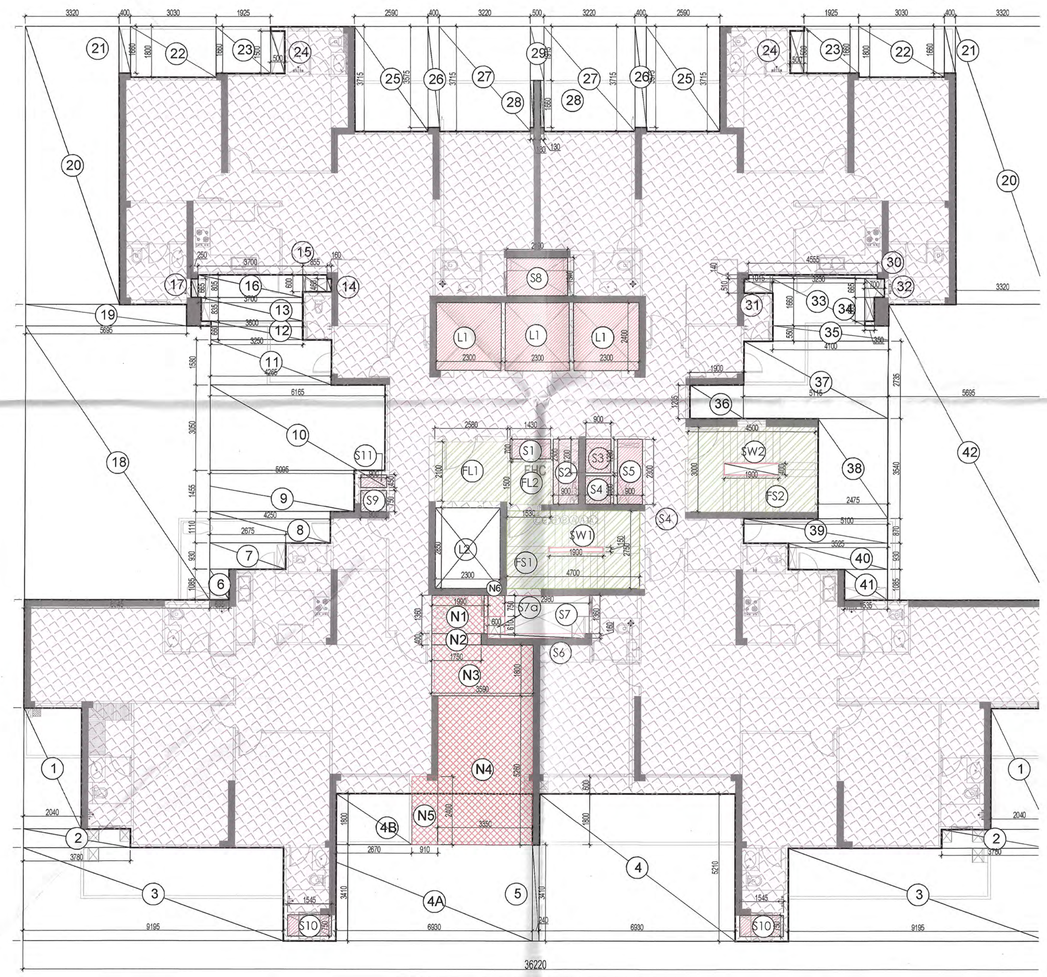
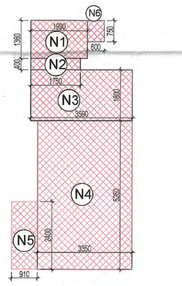


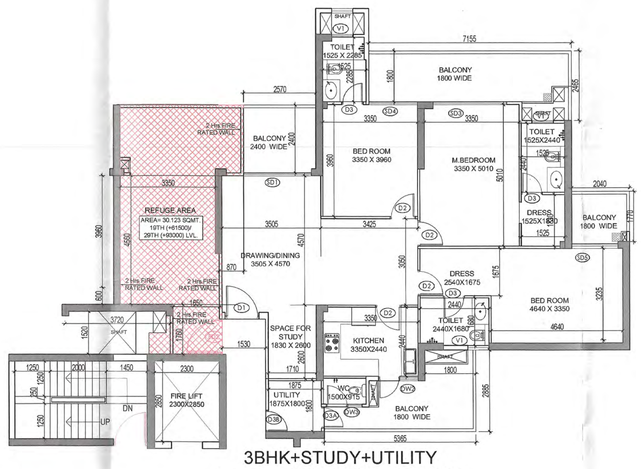
TOWER - C & F (REFUGE)
19TH & 29TH LVL LAYOUT



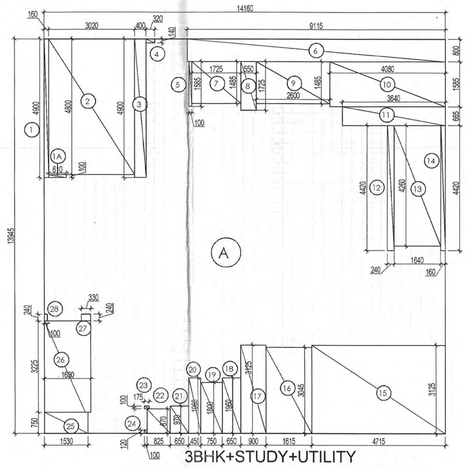
TOWER - C & F (REFUGE FLOOR)
19TH & 29TH LVL AREA DIAGRAM



(REFUGE AREA)
19TH & 28TH LVL AREA DIAGRAM



3BHK+STUDY+UTILITY
CARPET AREA(REFUGE LVL)



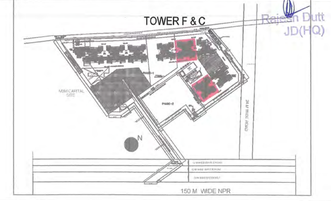
3BHK+STUDY+UTILITY
CARPET AREA DIAGRAM(REFUGE LVL)

SANCTIONED
TO BE READ WITH THIS OFFICE
MEMO NO.:CF-314
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. (N) Member B.P.A.C.

Consultant Architect — ATP(HQ)

Key Plan



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 & TERRACE LOBBY
D6	1200	2000	+100	2100	FHC
SD1	3020	2500	± 00	2500	DRAWING ROOM
SD2	2650	2500	± 00	2500	BEDROOM
SD3	2600	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
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	2400	100	2500	CORRIDOOR
GL2	3045	2400	100	2500	CORRIDOOR
GL3	2000	2400	100	2400	CORRIDOOR

LEGEND FOR PLUMBING:-

1	100ø SOIL & VENT PIPE
1a	150ø SOIL & VENT PIPE
2	100ø WASTE & VENT PIPE
2a	150ø WASTE & VENT PIPE
2b	150ø 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
5a	FLUSHING WATER SUPPLY PIPE FOR
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
R	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

FAR AREA AT 19TH/29TH LVL -TOWER - F & C (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	1	6.930	5.210	36.105
4A	1	6.930	3.410	23.631
4B	1	2.670	1.800	4.806
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	2.735	13.990
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			502.482
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	2.980	1.360	4.053
S7a	1	0.600	0.610	0.366
S8	1	2.190	1.340	2.935
S10	2	1.545	0.750	2.318
TOTAL SERVICES AREA				40.457

TOTAL SERVICES AREA				
				40.457
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
N1	1	1.990	1.360	2.706
N2	1	1.750	0.400	0.700
N3	1	3.590	1.800	6.462
N4	1	3.350	5.260	17.621
N5	1	0.910	2.400	2.184
N6	1	0.600	0.750	0.450
TOTAL NON FAR				64.261
DEDUCTION (E)				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
SW1	1	1.900	1.500	2.850
SW2	1	1.900	0.400	0.760
TOTAL=				3.610
TOTAL NON FAR AREA (F) = (D-E)				
64.261	-	3.610	=	60.651
TOTAL FAR AREA AT 19TH & 29TH LVL. = ADDITION(A) - DEDUCTION (B+C+D)=				
1172.260	-	502.482	-	40.457
-	64.261	=	565.060	SQ.MT

TOTAL REFUGE AREA AT 19TH / 29TH LVL				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
N1	1	1.990	1.360	2.706
N2	1	1.750	0.400	0.700
N3	1	3.590	1.800	6.462
N4	1	3.350	5.260	17.621
N5	1	0.910	2.400	2.184
N6	1	0.600	0.750	0.450
TOTAL REFUGE AREA				30.123
GROSS AREA AT 19TH / 29TH FLOOR (FAR+FL1+FL2+FS1+FS2-SW1-SW2)			595.588	(A)
GROSS AREA AT 20TH/ 30 TH FLOOR (FAR+NON FAR)			618.914	(B)
TOTAL GROSS AREA=(A+B)			1214.501	
NO. OF PERSON= (TOTAL GROSS AREA/12.5)			97.160	
REFUGE AREA REQUIRED =(NO. OF PERSON X .3)			29.148	(C)
AREA ADDITIONAL FOR WHEEL CHAIR			0.9	(D)
REFUGE AREA REQUIRED (NO. OF PERSON X .3 + AREA ADDITIONAL FOR WHEEL			30.048	(C+D)
REFUGE AREA PROVIDED			30.123	

CARPET AREA (3BHK+STUDY+UTILITY) (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	14.160	13.945	197.461
TOTAL(A) =				**197.461**
DEDUCTION (B)				
ITEM	NO.S	WIDTH (MTR.)	LENGTH (MTR.)	AREA(SQ.MT.) = NO.X LENGTH X WIDTH
1	1	0.160	4.900	0.784
1A	1	0.610	0.100	0.061
2	1	3.020	4.800	14.496
3	1	0.400	4.900	1.960
4	1	0.320	0.140	0.045
5	1	0.100	1.585	0.159
6	1	9.115	0.800	7.292
7	1	1.725	1.485	2.562
8	1	0.550	1.725	0.949
9	1	2.600	1.485	3.861
10	1	4.080	1.585	6.467
11	1	3.640	0.665	2.421
12	1	0.240	4.420	1.061
13	1	1.640	4.260	6.986
14	1	0.160	4.420	0.707
15	1	4.715	3.125	14.734
16	1	1.615	3.045	4.918
17	1	0.900	3.125	2.813
18	1	0.650	1.960	1.274
19	1	0.750	1.800	1.350
20	1	0.450	1.960	0.882
21	1	0.650	0.970	0.631
22	1	0.825	0.870	0.718
23	1	0.175	0.100	0.018
24	1	0.100	0.120	0.012
25	1	1.530	0.750	1.148
26	1	1.630	3.225	5.257
27	1	0.330	0.240	0.079
28	1	0.100	0.240	0.024
TOTAL				83.665
TOTAL CARPET AREA CALCULATION = ADDITION(A) -				
			= 113.796	SQMT

Checked and found ok by Public Health (Internal) Service only subject to comments in in forwarding letter No. 29879 5/12/23

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

LEGEND:-

- AREA FAR
- AREA NON FAR
- SERVICE SHAFT (CUTOUT)
- 2 HRS. FIRE RATED FULL HEIGHT WALL

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-C & F
19TH & 28TH (REFUGE)
LVL LAYOUT & AREA DETAILS

Owner's Sign: Union Buildmart Pvt. Ltd. Authorized 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-C&F/105