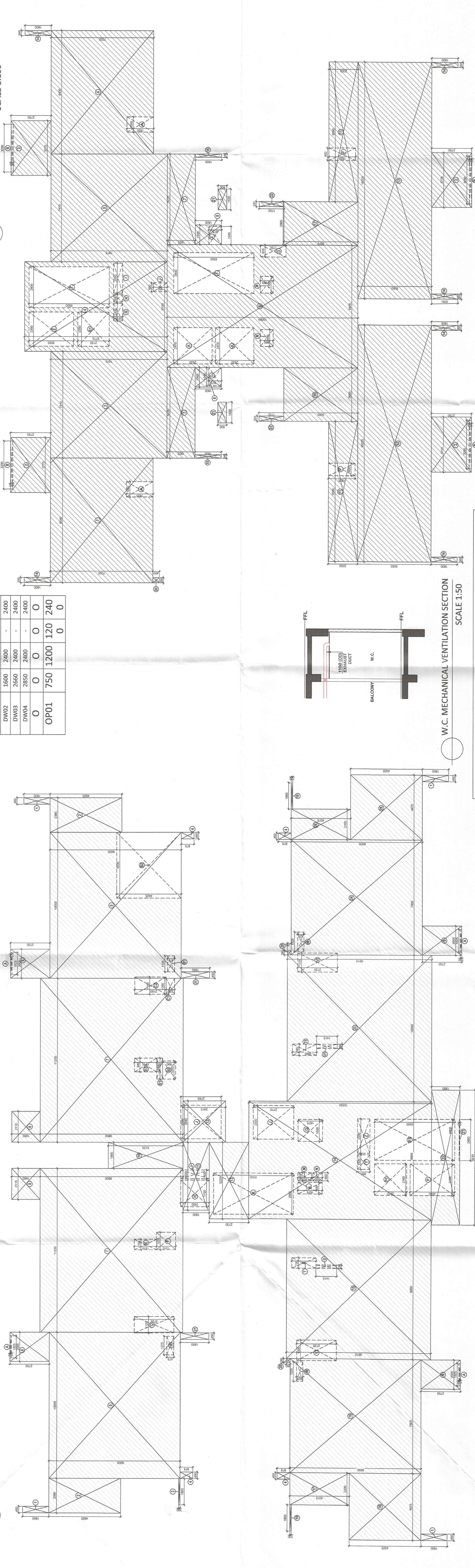




TYPICAL MECHANICAL VENTILATION CALCULATION FOR W.C.									
LOCATION	AREA (SQ. FT.)	HEIGHT (FT.)	DESIGN WIND VELOCITY (MPH)	DESIGN WIND DIRECTION (CL. DEG.)	SELECTED EXHAUST FAN	FAN SIZE (IN. MM)	EXHAUST DUCT SIZE		
W.C.1	28.78	10.82	311.40	60	1 1/4 GPO Cassette inline fan	295 X 175	300 mm Dia (110 mm OD) Semi Rigid, Class O, Aluminum Flexible Duct		
W.C.2	26.60	10.82	287.31	60	1 1/4 GPO Cassette inline fan	295 X 175	300 mm Dia (110 mm OD) Semi Rigid, Class O, Aluminum Flexible Duct		
W.C.1	24.11	10.82	269.88	60	1 1/4 GPO Cassette inline fan	295 X 175	300 mm Dia (110 mm OD) Semi Rigid, Class O, Aluminum Flexible Duct		
W.C.2	22.28	10.82	241.07	60	1 1/4 GPO Cassette inline fan	295 X 175	300 mm Dia (110 mm OD) Semi Rigid, Class O, Aluminum Flexible Duct		

W.C. MECHANICAL VENTILATION SECTION

SCALE 1:50

REDUCTION			REDUCTION (B)		
A	1,525	0.100	4	0.610	
B	1,275	0.475	1	0.606	
B1	1,105	0.475	1	0.525	
B2	4,500	0.425	1	19,913	
C	1,125	2,725	1	3,066	
C1	1,980	0,575	1	2,627	
C2	1,980	2,150	1	2,357	
D	1,140	0.410	1	0,585	
E1	1,440	0,410	1	0,585	
E2	0,940	1,515	1	1,424	
F1	1,235	1,310	1	1,618	
F2	1,240	0,890	1	1,104	
F3	1,790	1,950	1	3,493	
F4	0,600	1,950	1	1,170	
J	2,300	2,760	2	12,696	
K	2,800	5,500	1	15,400	
K1	2,800	5,500	1	15,400	
L	0,800	1,675	1	1,340	
M	0,560	0,925	1	0,518	
N	0,560	0,650	1	0,364	
O	1,500	1,675	1	2,513	
P	2,160	3,050	1	6,588	
P1	2,160	2,210	1	4,774	
T	0,720	1,660	1	1,195	
T1	0,780	1,660	1	1,295	
U	0,230	1,415	1	0,325	
U1	0,290	1,415	1	0,410	
V	1,390	2,725	1	3,768	
V1	1,390	2,725	1	3,624	
W	1,325	0,425	2	1,126	
Y	1,000	0,850	1	0,850	
Z	0,850	0,850	1	0,860	
Z1	2,680	0,650	1	0,140	
			112,750		
FAIR- COVERED AREA (A) - REDUCTION			(B)		
			904,074		

TOWER E: STAIRCASE NON FAR AREA CALCULATION				
S.NO.	LENGTH(M)	WIDTH(M)	NO.	AREA(SQ.M.)
COVERED AREA				
F	2.800	5.500	2	30.800
TOTAL ADDITIONS (A)				30.800
TOTAL NON FAR AREA				30.800

TOWER F: STAIRCASE NON FAR AREA CALCULATION				
S.NO.	LENGTH (M)	WIDTH (M)	NO.	AREA(SQ.M.)
COVERED AREA				
K	2.800	5.500	1	15.400
K.1	2.800	5.500	1	15.400
TOTAL ADDITIONS (A)				30.800
TOTAL NON FAR				30.800

NOTES

VNV System is being provided. Full ID power back up is being provided. All lifts shall have 100% power back-up. No electrical installations shall be as per Fire fighting provisions shall be as per Basement area shall have mechanically ventilated as per relevant code.	Building has automatic sprinkler system wherever required. Building will be designed (structures) as per relevant I.A. codes for earthquake resistance. Roofing shall be as per specifications provided on roof top as per handovering norms. All fire fighting equipment shall be as per provision of NBC. Water supply shall be provided as per central ground water with norms.
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TOWER E: SECOND FLOOR AREA CALCULATION				
S.NO.	LENGTH (M)	WIDTH (M)	NO.	AREA SQ. M
COVERED AREA				
1	8.540	7.025	1	59.994
2	3.770	2.750	4	41.470
3	7.310	7.975	1	58.297
4	6.150	9.775	1	60.116
5	7.415	7.975	1	59.335
6	8.435	7.025	1	59.256
7	6.235	1.925	2	24.005
8	13.345	1.800	2	48.02
9	8.400	13.085	1	109.914
10	3.685	5.085	1	18.738
11	9.500	2.000	2	38.360
12	2.985	5.075	1	15.149

TOTAL ADDITIONS (A)		DEDUCTIONS (B)	
13	16,235.5	5,050	2
14	3,350	1,825	2
15	1,825	1,800	6
16	3,760		4
17	2,400	1,800	2
18	2,400	1,800	2
19	2,400	1,800	2
20	3,350	4,450	1
21	1,430	6,000	2
22	1,430	6,000	2
23	3,350	1,700	2
720,885			
DEDUCTIONS (B)			
1	1,050	1,825	2
2	3,200	1,500	4
3	2,700	1,500	4
4	3,200	3,020	1
5	1,768		
6	2,150	2,150	1
7	2,800	5,500	2
8	3,200	6,615	1
9	5,000	6,615	1
10	5,000	6,615	1
11	2,050	6,615	1
12	2,050	6,615	1
13	6,000	9,500	1
14	2,470	2,650	2
15	2,470	2,650	2
16	1,245	8,785	2
17	1,245	8,785	2
18	1,245	8,785	2
19	1,245	8,785	2
20	1,245	8,785	2
21	1,245	8,785	2
22	1,245	8,785	2
23	1,245	8,785	2
73,935			
DEDUCTIONS (B)			

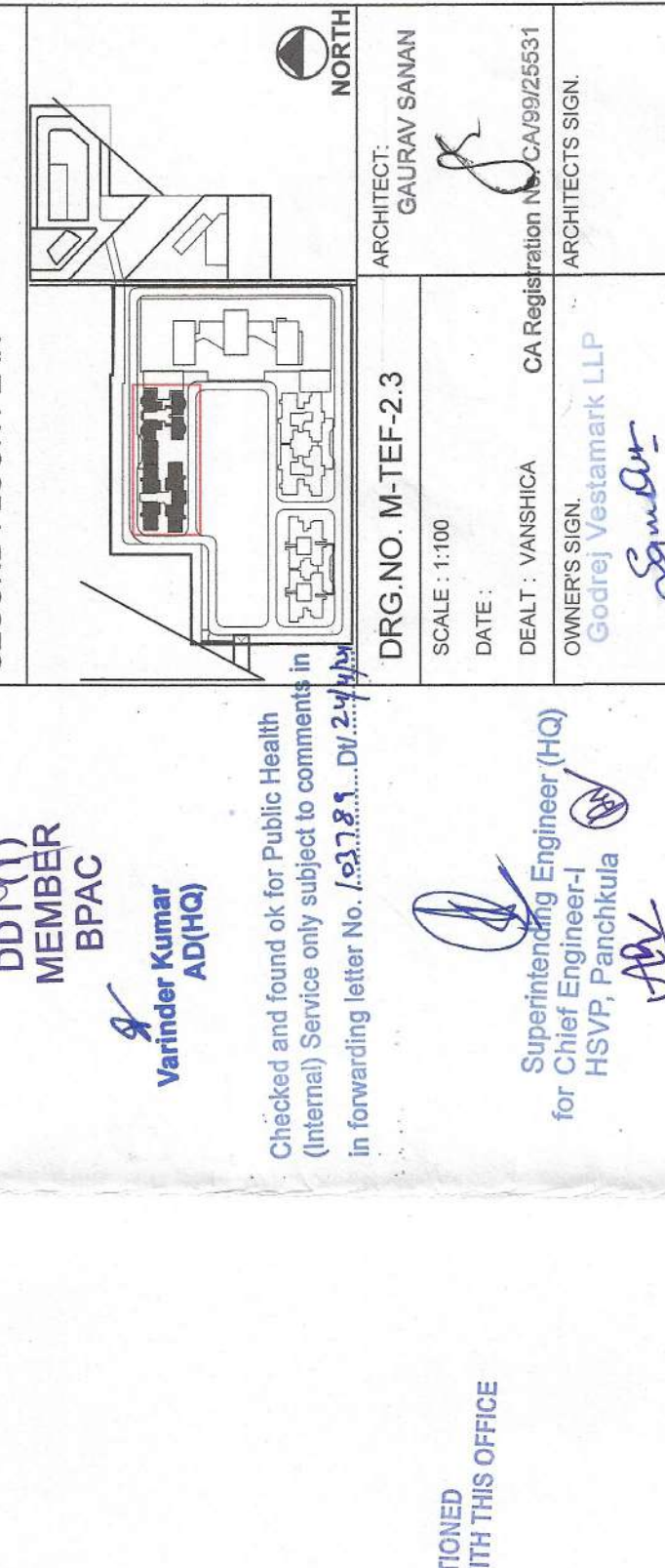
F.A.R= COVERED AREA (A) - DEDUCTION (B)	647.463
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TOWER F	DOOR/ WINDOW	WIDTH	HEIGHT	SILL	LINTEL
	D02	1050	2400	-	2400
	D03	800	2400	-	2400
	D05	600	2400	300	2400
	D06	1250	2400	-	2400
	D07	900	2400	300	2400
	D08	750	2400	300	2400
	D09	1800	2400	-	2400
	D10	1250	2400	-	2400

D12 (LOWELED DOOR)		750	2100	300	2400
D13	1200	2400	-		2400
D14	1500	2400	-		2400
O	O	O	O	O	2400
FD01	1500	2100	300		2400

FD02	1100	2400	2400	2400
FD03	750	2100	300	2400
FD04	900	2400	-	2400
FD05	1200	2400	-	2400
O	O	O	O	O
W01	750	2100	300	2400
W02	750	1200	1200	2400
W03	750	1500	900	2400
W04	1750	1500	900	2400

STRUCTURAL CONSULTANTS	COKAN CONSULTANTS			
NEW CONCRETE DIVISION	CESPL PVT. LTD.			
DEVELOPER	GODFREY PROPERTIES LTD			
ARCHITECT	ARCHITECTURE COLLECTIVE			
REGISTERED BUILDING PLAN OF CONDOMINIUMS	COLONY OF ALFA MEASURING 14.8225 ACRES (LICENSE NO.185 OF 2010 DATED 15/05/2010) IN SECTOR 103, GURGRAM BEING DEVELOPED BY GODREY VESTAMARK LLP			
TOWER E AND F	SECOND FLOOR PLAN			



TOWER E_SECOND FLOOR AREA DIAGRAM

SCALE 1:100

TOWER F_ SECOND FLOOR AREA DIAGRAM
SCALE 1:100