



TYPICAL MECHANICAL VENTILATION SECTION 1 FOR W.C.

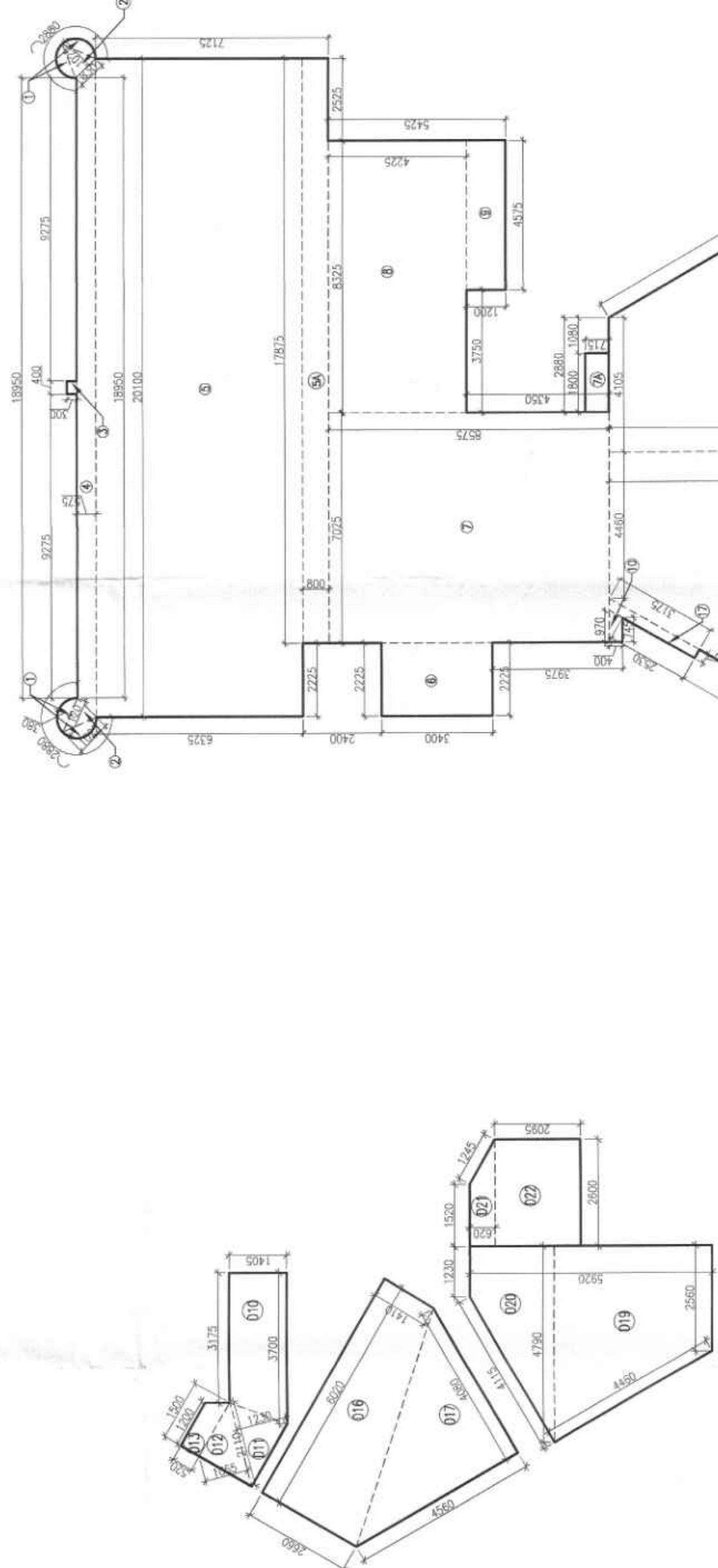
TYPICAL MECHANICAL VENTILATION CALCULATION FOR W.C.								
S.NO.	LOCATION	AREA	HEIGHT	VOLUME	DESIGN CFM	SELECTED EXHAUST FAN	FAN SIZE	EXHAUST DUCT SIZE
		(Sq.ft)	(Ft)	(Cu.ft)	CFM		LOGGA (mm)	DIAMETER (mm)
1	TYPICAL MECHANICAL VENTILATION FOR W.C.							
1.1	1 W.C.	24.4	9.2	244	50	#100 cfm cassette inline fan	270x270x171	150 (OD)
1.2	2 W.C.	24.4	9.2	244 x 2	50 x 2	#100 cfm cassette inline fan	270x270x171	150 (OD)

SYMBOL	DESCRIPTION
1	100mm APC 150mm 150mm
2	100mm APC 150mm 150mm
3	100mm APC 150mm 150mm
4	100mm APC 150mm 150mm
5	100mm APC 150mm 150mm
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7	100mm APC 150mm 150mm
8	100mm APC 150mm 150mm
9	100mm APC 150mm 150mm
10	100mm APC 150mm 150mm
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30	100mm APC 150mm 150mm
31	100mm APC 150mm 150mm
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42	100mm APC 150mm 150mm
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71	100mm APC 150mm 150mm
72	100mm APC 150mm 150mm
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74	100mm APC 150mm 150mm
75	100mm APC 150mm 150mm
76	100mm APC 150mm 150mm
77	100mm APC 150mm 150mm
78	100mm APC 150mm 150mm
79	100mm APC 150mm 150mm
80	100mm APC 150mm 150mm
81	100mm APC 150mm 150mm
82	100mm APC 150mm 150mm
83	100mm APC 150mm 150mm
84	100mm APC 150mm 150mm
85	100mm APC 150mm 150mm
86	100mm APC 150mm 150mm
87	100mm APC 150mm 150mm
88	100mm APC 150mm 150mm
89	100mm APC 150mm 150mm
90	100mm APC 150mm 150mm
91	100mm APC 150mm 150mm
92	100mm APC 150mm 150mm
93	100mm APC 150mm 150mm
94	100mm APC 150mm 150mm
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97	100mm APC 150mm 150mm
98	100mm APC 150mm 150mm
99	100mm APC 150mm 150mm
100	100mm APC 150mm 150mm

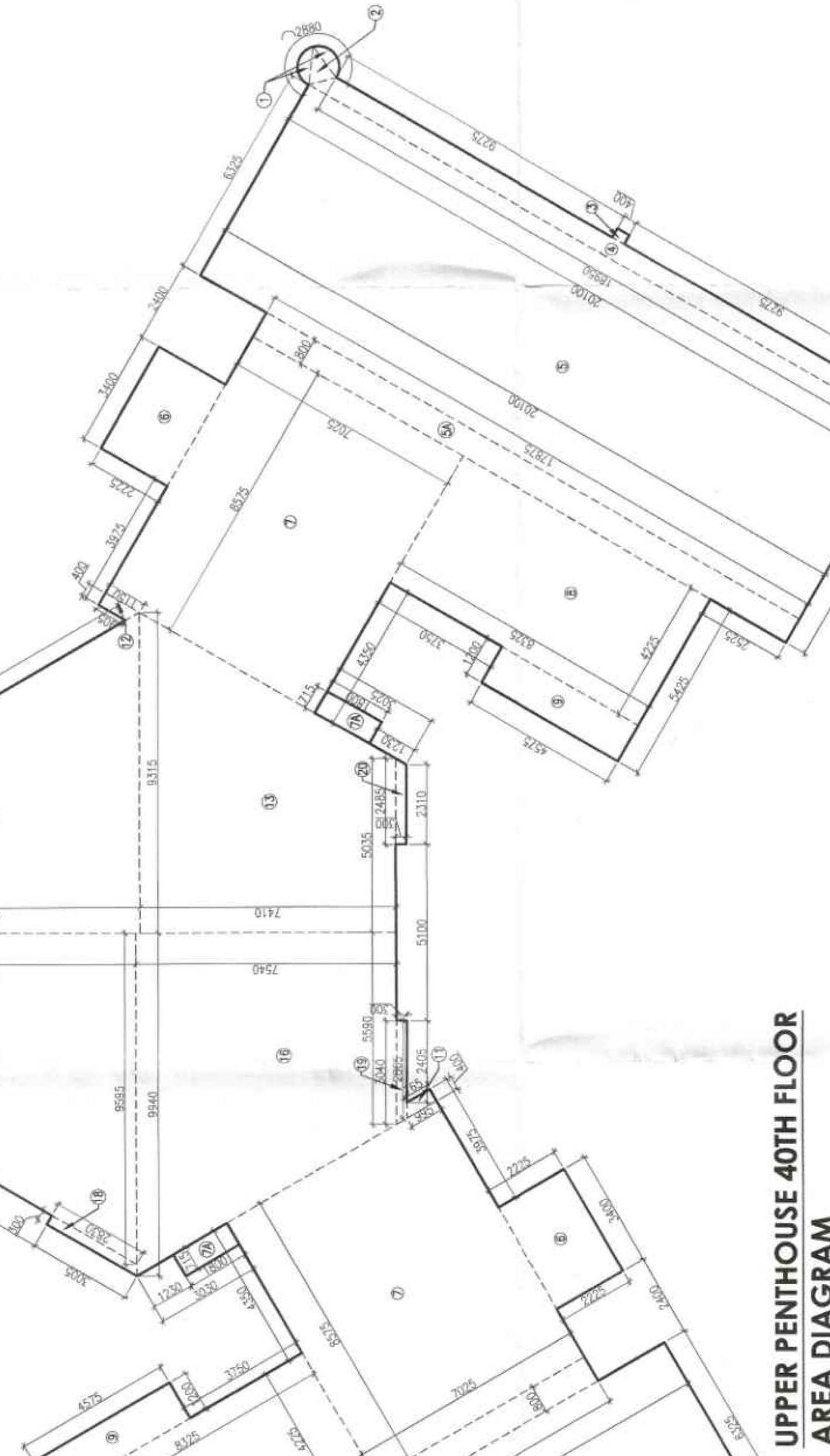
40TH FLOOR NON FAR AREA CALCULATION			
D10	(3.175x3.700)/2	X	1.405
D11	0.5	X	1.230
D12	0.5	X	1.055
D13	(1.200x1.500)/2	X	0.900
D14	(2.600x1.410)/2	X	1.251
D15	0.5	X	1.055
D16	(2.600x1.410)/2	X	1.251
D17	0.5	X	1.055
D18	0.5	X	1.055
D19	(2.560x4.790)/2	X	14.186
D20	(1.200x4.790)/2	X	3.860
D21	(1.200x4.790)/2	X	3.860
D22	1	X	2.095
TOTAL NON FAR AREA (N)			59.147



UPPER PENTHOUSE 40TH FLOOR PLAN (TOWER -A)



NON FAR AREA DIAGRAM



UPPER PENTHOUSE 40TH FLOOR AREA DIAGRAM

UPPER PENTHOUSE 40TH FLOOR AREA CALCULATION			
S. No.	COEFF.	Dim (m)	Area (SQM)
1	0.567	1.120 X 0.380	3.407
2	0.5	1.025 X 0.830	2.552
3	1	0.300 X 0.400	0.360
4	1	1.100 X 0.300	0.330
5	1	1.100 X 0.300	0.330
6	1	1.100 X 0.300	0.330
7	1	1.100 X 0.300	0.330
8	1	1.100 X 0.300	0.330
9	1	1.100 X 0.300	0.330
10	1	1.100 X 0.300	0.330
11	1	1.100 X 0.300	0.330
12	1	1.100 X 0.300	0.330
13	1	1.100 X 0.300	0.330
14	1	1.100 X 0.300	0.330
15	1	1.100 X 0.300	0.330
16	1	1.100 X 0.300	0.330
17	1	1.100 X 0.300	0.330
18	1	1.100 X 0.300	0.330
19	1	1.100 X 0.300	0.330
20	1	1.100 X 0.300	0.330
21	1	1.100 X 0.300	0.330
22	1	1.100 X 0.300	0.330
23	1	1.100 X 0.300	0.330
24	1	1.100 X 0.300	0.330
25	1	1.100 X 0.300	0.330
26	1	1.100 X 0.300	0.330
27	1	1.100 X 0.300	0.330
28	1	1.100 X 0.300	0.330
29	1	1.100 X 0.300	0.330
30	1	1.100 X 0.300	0.330
31	1	1.100 X 0.300	0.330
32	1	1.100 X 0.300	0.330
33	1	1.100 X 0.300	0.330
34	1	1.100 X 0.300	0.330
35	1	1.100 X 0.300	0.330
36	1	1.100 X 0.300	0.330
37	1	1.100 X 0.300	0.330
38	1	1.100 X 0.300	0.330
39	1	1.100 X 0.300	0.330
40	1	1.100 X 0.300	0.330
41	1	1.100 X 0.300	0.330
42	1	1.100 X 0.300	0.330
43	1	1.100 X 0.300	0.330
44	1	1.100 X 0.300	0.330
45	1	1.100 X 0.300	0.330
46	1	1.100 X 0.300	0.330
47	1	1.100 X 0.300	0.330
48	1	1.100 X 0.300	0.330
49	1	1.100 X 0.300	0.330
50	1	1.100 X 0.300	0.330
51	1	1.100 X 0.300	0.330
52	1	1.100 X 0.300	0.330
53	1	1.100 X 0.300	0.330
54	1	1.100 X 0.300	0.330
55	1	1.100 X 0.300	0.330
56	1	1.100 X 0.300	0.330
57	1	1.100 X 0.300	0.330
58	1	1.100 X 0.300	0.330
59	1	1.100 X 0.300	0.330
60	1	1.100 X 0.300	0.330
61	1	1.100 X 0.300	0.330
62	1	1.100 X 0.300	0.330
63	1	1.100 X 0.300	0.330
64	1	1.100 X 0.300	0.330
65	1	1.100 X 0.300	0.330
66	1	1.100 X 0.300	0.330
67	1	1.100 X 0.300	0.330
68	1	1.100 X 0.300	0.330
69	1	1.100 X 0.300	0.330
70	1	1.100 X 0.300	0.330
71	1	1.100 X 0.300	0.330
72	1	1.100 X 0.300	0.330
73	1	1.100 X 0.300	0.330
74	1	1.100 X 0.300	0.330
75	1	1.100 X 0.300	0.330
76	1	1.100 X 0.300	0.330
77	1	1.100 X 0.300	0.330
78	1	1.100 X 0.300	0.330
79	1	1.100 X 0.300	0.330
80	1	1.100 X 0.300	0.330
81	1	1.100 X 0.300	0.330
82	1	1.100 X 0.300	0.330
83	1	1.100 X 0.300	0.330
84	1	1.100 X 0.300	0.330
85	1	1.100 X 0.300	0.330
86	1	1.100 X 0.300	0.330
87	1	1.100 X 0.300	0.330
88	1	1.100 X 0.300	0.330
89	1	1.100 X 0.300	0.330
90	1	1.100 X 0.300	0.330
91	1	1.100 X 0.300	0.330
92	1	1.100 X 0.300	0.330
93	1	1.100 X 0.300	0.330
94	1	1.100 X 0.300	0.330
95	1	1.100 X 0.300	0.330
96	1	1.100 X 0.300	0.330
97	1	1.100 X 0.300	0.330
98	1	1.100 X 0.300	0.330
99	1	1.100 X 0.300	0.330
100	1	1.100 X 0.300	0.330

UPPER PENTHOUSE 40TH FLOOR AREA DEDUCTION DIAGRAM

TYPICAL DOOR WINDOW SCHEDULE			
NAME	WIDTH	HEIGHT	UNIT
D1	1500	2400	0
D2	1000	2400	0
D3	800	2400	0
D4	1500	1800	0
D5	1500	1800	0
D6	1500	1800	0
D7	1500	1800	0
D8	1500	1800	0
D9	1500	1800	0
D10	1500	1800	0
D11	1500	1800	0
D12	1500	1800	0
D13	1500	1800	0
D14	1500	1800	0
D15	1500	1800	0
D16	1500	1800	0
D17	1500	1800	0
D18	1500	1800	0
D19	1500	1800	0
D20	1500	1800	0
D21	1500	1800	0
D22	1500	1800	0
D23	1500	1800	0
D24	1500	1800	0
D25	1500	1800	0
D26	1500	1800	0
D27	1500	1800	0
D28	1500	1800	0
D29	1500	1800	0
D30	1500	1800	0
D31	1500	1800	0
D32	1500	1800	0
D33	1500	1800	0
D34	1500	1800	0
D35	1500	1800	0
D36	1500	1800	0
D37	1500	1800	0
D38	1500	1800	0
D39	1500	1800	0
D40	1500	1800	0
D41	1500	1800	0
D42	1500	1800	0
D43	1500	1800	0
D44	1500	1800	0
D45	1500	1800	0
D46	1500	1800	0
D47	1500	1800	0
D48	1500	1800	0
D49	1500	1800	0
D50	1500	1800	0
D51	1500	1800	0
D52	1500	1800	0
D53	1500	1800	0
D54	1500	1800	0
D55	1500	1800	0
D56	1500	1800	0
D57	1500	1800	0
D58	1500	1800	0
D59	1500	1800	0
D60	1500	1800	0
D61	1500	1800	0
D62	1500	1800	0
D63	1500	1800	0
D64	1500	1800	0
D65	1500	1800	0
D66	1500	1800	0
D67	1500	1800	0
D68	1500	1800	0
D69	1500	1800	0
D70	1500	1800	0
D71	1500	1800	0
D72	1500	1800	0
D73	1500	1800	0
D74	1500	1800	0
D75	1500	1800	0
D76	1500	1800	0
D77	1500	1800	0
D78	1500	1800	0