

圖11-19 六、十層平面圖(S=1/300)



六十層 各戶 樓地板面積計算

室內面積	面積	面積
A1	4.1x0.45+3.59x2.35+5.7x11.37+4.15x2.7	= 86.31㎡
A2	3.05x10.295+11.345x2.65+2.15x1.675+2.6x4.82	= 77.6㎡
A3	0.8x2.17+2.8x5.075+2.5x3.52+6.775x3+8.375x2.75+0.45x1.675	= 68.86㎡
B1	8.37x2.8+6.77x3+2.75x8.37	= 66.77㎡
B2	0.85x1.475+2.625x7.125+10.475x5.3+2.65x1.65	= 79.85㎡
B3	4.6x2.65+4.27x3.45+6.715x6.4+1.45x2.17+3.5x6.15	= 94.57㎡
C1	1.85x5.75+5.3x1.33+7.44x9.6+1.15x2.65	= 92.16㎡
C2	2x1.725+3.8x4.97+2.45x2.375+7.15x5.675+3.78x5.3	= 88.77㎡
D1	1.675x2.45+2.675x4.235+3x4.685+3.985x2.775+3.225x3.085+2.89x2.055+7.145x5.675	= 96.98㎡
D2	4.21x1+1.73x1.45+8.49x9.71+0.59x1.65+5.35x2+2.6x0.4	= 101.87㎡
E1	1.75x1.45+4.3x9.71+10.71x3.26	= 79.21㎡
E2	2.835x1+4.86x0.35+7.505x9.71+1.75x1.45	= 79.95㎡
F1	2.515x3.15+2.3x1.05+1.885x2+9.435x5.65	= 67.42㎡
F2	7.65x1.85+6.5x8.15	= 67.13㎡
小計:		= 1147.45㎡

陽台面積	面積	面積
A1	1.0x3.775+4.3x1.3	= 9.37㎡
A2	3.795x1.0+1.95x2.6	= 8.87㎡
A3	3x1.675	= 5.03㎡
B1	3x1.675	= 5.03㎡
B2	1.95x2.625+2.975x1.0	= 8.09㎡
B3	4.27x1.675+3.35x1.0	= 10.50㎡
C1	3.68x1.675+1.6x1.11+3.25x1.0	= 11.19㎡
C2	2.97x1.8+1.0x3.37	= 8.72㎡
D1	3.225x1.675+1.0x3.375	= 8.78㎡
D2	1.525x2.55+3.12x1.2	= 7.63㎡
E1	1.525x2.55+3.12x1.2	= 7.63㎡
E2	2.92x1.525+3.12x1.2	= 8.20㎡
F1	2.3x1.525	= 3.51㎡
F2	2x1.425+1.925x1.5	= 5.74㎡
A,B棟	0.35x1.5+1.35x1.3+1.425x14.675+1.35x1.275	= 24.91㎡
D棟	1.35x1.85	= 2.50㎡
小計:		= 135.7㎡

梯廳面積計算	面積	面積
A棟	0.65x1.05+3.4x3.4+3.76x2.68	= 22.32㎡
B棟	0.82x1.25+5.1x2.6	= 14.29㎡
C棟	2.25x5.11	= 11.50㎡
D棟	5.6x2.51	= 14.06㎡
E棟	2.4x3.4	= 8.16㎡
F棟	2.29x4.05	= 9.27㎡
小計:		= 79.60㎡

梯廳不足2M面積計算	面積	面積
A棟	0.65x1.05	= 0.68㎡
B棟	0.82x1.25	= 1.03㎡
小計:		= 1.71㎡

樓梯面積計算	面積	面積
A棟	5.075x3.42	= 17.36㎡
B棟	5.045x3.42	= 17.25㎡
C棟	1.11x1.3+2.43x3.46+(4.57+3.13)x0.72/2+1.11x1.98+4.57x3.2+1.8x1.85	= 32.77㎡
D棟	2.7x4.57+0.59x1.05+0.35x0.7+1.275x0.38+4.09x2.89	= 25.51㎡
E棟	3.4x2.59+2.15x1.05+3.4x3.17	= 21.84㎡
F棟	2.325x4.27+2.29x3.6	= 18.17㎡
小計:		= 132.9㎡

升降機面積計算	面積	面積
A棟	2.35x2.15	= 5.05㎡
B棟	2.4x2.17	= 5.21㎡
E棟	2.35x2.15	= 5.05㎡
F棟	2.1x2	= 4.20㎡
小計:		= 19.51㎡

緊急升降機面積計算	面積	面積
A,B棟	2.7x2.5	= 6.75㎡
C棟	2.45x2.55	= 6.25㎡
D棟	2.5x2.45	= 6.13㎡
小計:		= 19.13㎡

排煙室面積計算	面積	面積
C棟	4.5x2.39+1.45x0.4	= 11.34㎡
D棟	2.45x4.085+1.425x1.15	= 11.65㎡
小計:		= 22.99㎡

設備間面積計算	面積	面積
A,B棟	0.55x1.65x2	= 1.82㎡
D棟	1.535x2.45	= 3.76㎡
小計:		= 5.58㎡

二、面積計算檢核

樓地板面積檢核	面積	面積
1147.45+79.60+132.9+19.51+19.13+22.99+5.58	=	1427.16㎡
陽台面積檢核	135.7㎡	< 1427.16x10%=142.72㎡ ...OK
梯廳面積檢核	79.60-1.71=77.89㎡	< 1427.16x10%=142.72㎡ ...OK
緊急升降機面積檢核	135.7+77.89=213.59㎡	< 1427.16x15%=214.07㎡ ...OK
設備間面積檢核	132.9+19.13+22.99+5.58=180.6㎡	
當層各樓地板面積檢核	1427.16-77.89-180.6=1168.67㎡	(梯廳) (設備間)

三、當層戶數檢核 14戶

緊急升降機設置檢核	面積	面積
本案A,B,C棟為21層,高度74.45M,建築;D棟為9層,高度57.65M建築,		
故設置三層緊急升降機, 載重能力達十七人, 速度每分鐘0.5公尺		
A,B棟 (11~21層) - 設置緊急升降機	(86.31+79.95+68.11+66.77+79.85+94.57)x11=5231.16	> 500㎡
C棟 (11~21層) - 設置緊急升降機	(92.16+88.77)x11=1990.23㎡	> 500㎡
D棟 (11~19層) - 設置緊急升降機	(96.98+101.87)x3+(96.98+91.70)x6=1728.63㎡	> 500㎡
E棟 (11~13層) - 免設置	(79.21+79.95)x3=477.48㎡	< 500㎡
F棟 (11~13層) - 免設置	(67.42+67.13)x3=403.65	< 500㎡

五、排煙室面積檢核

A,B棟	3.76x2.68=10.08㎡	> 10.00㎡...OK
C棟	4.5x2.39+1.45x0.4=11.34㎡	> 10.00㎡...OK
D棟	2.45x4.085+1.15x1.425=11.65㎡	> 10.00㎡...OK

六、特別安全梯面積檢核

A,B棟	(17.36+17.25+10.08)=44.69㎡	> (77.83+71.87+59.98+58.64+71.44+85.35)x3%=12.75㎡
C棟	(31.07+11.34)=42.41㎡	> (82.94+78.75)x3%=4.85㎡
D棟	(25.51+11.65)=37.16㎡	> (89.55+93.27)x3%=5.48㎡

七、居室面積計算

廁所面積	面積	面積
A1	1.25x0.45+1.575x2.17+1.65x2.725	= 8.48㎡
A2	1.675x2.175+1.675x2.325	= 7.54㎡
A3	1.775x2.1+2.75x1.6	= 8.13㎡
B1	1.775x2.1+2.75x1.6	= 8.13㎡
B2	1.5x2.65+1.675x2.65	= 8.41㎡
B3	1.625x2.4+1.6x3.325	= 9.22㎡
C1	1.625x2.4+1.6x3.325	= 9.22㎡
C2	3.355x1.6+2.695x1.725	= 10.02㎡
D1	2.3x1.675+1.625x2.2	= 7.43㎡
D2	2.235x3.85	= 8.60㎡
E1	2.235x3.85	= 8.60㎡
E2	1.675x0.35+1.81x4.1+0.415x2.36	= 8.99㎡
F1	1.885x2.025+1.825x2.2	= 7.83㎡
F2	1.675x2.675+3.825x1.325	= 9.55㎡

居室面積	面積	面積
A1	86.31-8.48	= 77.83㎡
A2	77.6-7.54	= 70.06㎡
A3	68.86-8.13	= 60.73㎡
B1	66.77-8.13	= 58.64㎡
B2	79.85-8.41	= 71.44㎡
B3	94.57-9.22	= 85.35㎡
C1	92.16-9.22	= 82.94㎡
C2	88.77-10.02	= 78.75㎡
D1	96.98-7.43	= 89.55㎡
D2	101.87-8.60	= 93.27㎡
E1	79.21-8.60	= 70.61㎡
E2	79.95-8.99	= 70.96㎡
F1	67.42-7.83	= 59.59㎡
F2	67.13-9.55	= 57.58㎡

八、步行距離檢核

步行距離	距離	距離
A1	L=4.52+7.92+2.93+1.47+0.85=17.69M	< 40M
A2	L=4.61+6.23+3.45+1.47+0.85=16.61M	< 40M
A3	L=3.81+3.49+4.67+3.31+1.47+0.85=17.6M	< 40M
B1	L=1.97+5.98+6.85+1.02+0.75=16.57M	< 40M
B2	L=4.6+6.55+5.22+1.05+1.02+0.75=19.19M	< 40M
B3	L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2M	< 40M
C1	L=4.7+6.82+1.32+1.52=14.36M	< 40M
C2	L=9.61+4.4=14.01M	< 40M
D1	L=4.01+4.49+7.78+0.71=16.99M	< 40M
D2	L=4.77+9.12+0.98=14.87M	< 40M
E1	L=4.51+2.48+2.34+3.3+2.77=15.4M	< 50M
E2	L=4.5+5.78+0.87=11.15M	< 50M
F1	L=3.56+1.93+6.69+1.94=12.12M	< 50M
F2	L=4.3+5.75+0.71=10.76M	< 50M

九、採光面積檢核

A1	2.4x2.5+1x1.75+2.2x2.5+2.8x2.5+2.8x2.5+1x1.75	=29.00㎡ > 77.83/8=9.73 ...OK
A2	2.4x2.5+2.4x2.5+2.4x2.5+0.9x1.3+1.6x1.5	=21.57㎡ > 70.06/8=8.76 ...OK
A3	2.2x2.5+2x2.5+0.84x2.5+1x2.5+1.2x1.5	=16.90㎡ > 60.73/8=7.59 ...OK
B1	2.4x2.5+1.8x2.5+0.84x2.5+1x2.5+1.4x1.5	=17.20㎡ > 58.64/8=7.33 ...OK
B2	2.4x2.5+2.4x2.5+2.2x2.5+1.4x1.8+1x1.75+1.6x1.4	=24.01㎡ > 71.44/8=8.93 ...OK
B3	2.4x2.5+2.4x2.5+2.4x2.5+2x2.5+1.6x1.5	=25.40㎡ > 85.35/8=10.67 ...OK
C1	2.4x2.5+2.4x2.5+2.4x2.5+2x2.5+1.6x1.5	=25.40㎡ > 82.94/8=10.37 ...OK
C2	2.4x2.5+2.4x2.5+2.4x2.5+1.6x1.5+1x1.75	=22.15㎡ > 78.75/8=9.84 ...OK
D1	2.2x2.5+2.4x2.5+1.6x1.5+2x1.5+2x2.5+1.4x2.5	=25.40㎡ > 89.55/8=11.19 ...OK
D2	1.4x1.5+2.8x2.5+2.6x2.5+2x1.5+1.6x1.5	=21.00㎡ > 93.27/8=11.66 ...OK
E1	2.8x2.5+2.8x2.5+2x2.5+1.6x1.5+1x1.75	=23.15㎡ > 70.61/8=8.83 ...OK
E2	2.8x2.5+2.8x2.5+2.4x2.5+1.6x1.5+1x1.75	=24.15㎡ > 70.96/8=8.87 ...OK
F1	2.4x2.5+2.4x2.5+1.8x2.5+2.2x2.5	=22.00㎡ > 59.59/8=7.45 ...OK
F2	2.2x2.5+2.2x2.5+2.6x2.5+2.2x2.5+0.9x2.5	=25.25㎡ > 57.58/8=7.20 ...OK

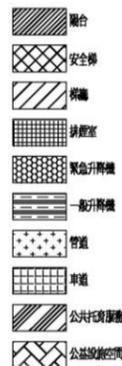


圖 11-20 六、十層面積計算圖(S=1/300)

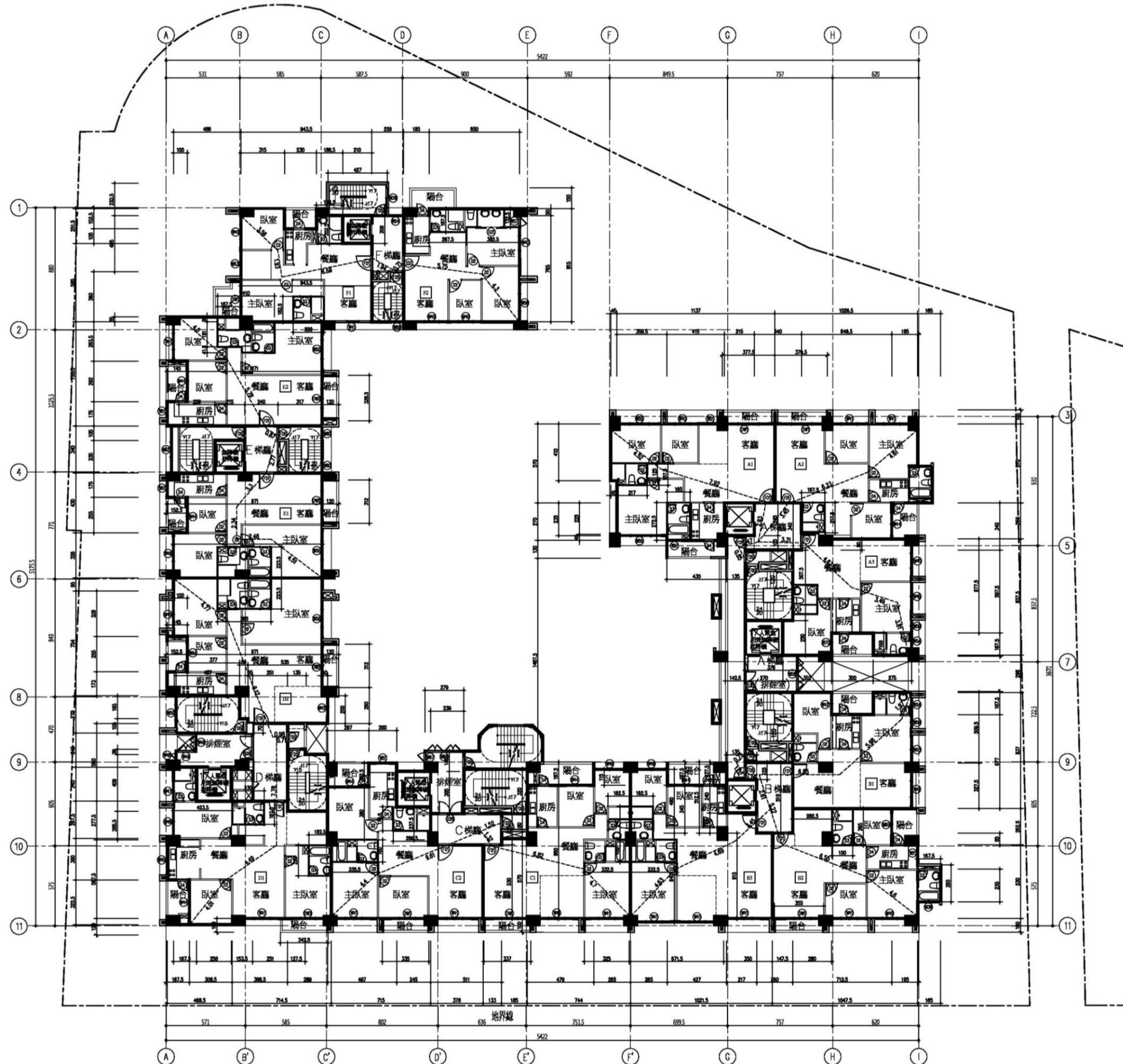


圖11-21 七層平面圖(S=1/300)

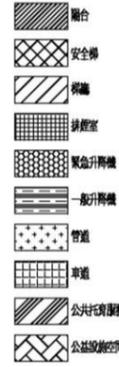


八 步行距離檢討

Table with 2 columns: Room/Unit and Calculation. It lists walking distances for various units (A1-A3, B1-B3, C1-C2, D1-D2, E1-E2, F1-F2) and stairs, comparing them against 40M and 50M limits.

九 採光面積檢討

Table with 2 columns: Room/Unit and Calculation. It lists area calculations for various units (A1-A3, B1-B3, C1-C2, D1-D2, E1-E2, F1-F2) and stairs, comparing them against 77.83/8=9.73 and 70.06/8=8.76 limits.



一 七層 各戶 樓地板面積計算

Table listing floor area calculations for units A1 through F2. Each row shows the unit number, dimensions, and the resulting area in square meters.

Table listing area calculations for common areas (聯合面積) A1 through F2. It includes calculations for shared spaces and stairs.

Table listing area calculations for stairs (樓梯面積計算) A through F. It shows the area for each set of stairs.

Table listing area calculations for stairs less than 2M (樓梯不足2M面積計算) A and B. It shows the area for specific stair configurations.

Table listing area calculations for stairs (樓梯面積計算) A through F. It shows the area for each set of stairs.

Table listing area calculations for elevators (升降機面積計算) A through F. It shows the area for each elevator shaft.

Table listing area calculations for emergency elevators (緊急升降機面積計算) A, B, C, D. It shows the area for emergency elevator shafts.

Table listing area calculations for smoke rooms (排煙室面積計算) C and D. It shows the area for smoke rooms.

Table listing area calculations for elevators (升降機面積計算) A, B, D. It shows the area for elevator shafts.

二 面積計算檢討

Table showing area calculation checks for floor slabs (樓地板面積檢討) and common areas (聯合面積計算). It includes calculations for total area and percentage checks.

三 當層戶數檢討 14戶

四 緊急升降機設置檢討

Table showing emergency elevator installation checks for units A, B, C, D, E, F. It includes calculations for the number of elevators and their capacity.

五 排煙室面積檢討

Table showing smoke room area checks for units A, B, C, D. It includes calculations for the area of smoke rooms.

六 特別安全梯面積檢討

Table showing special safety stairs area checks for units A, B, C, D. It includes calculations for the area of special safety stairs.

七 居室面積計算

Table listing room area calculations (居室面積計算) for units A1 through F2. It shows the area for each room in the units.

圖11-22七層面積計算圖(S=1/300)

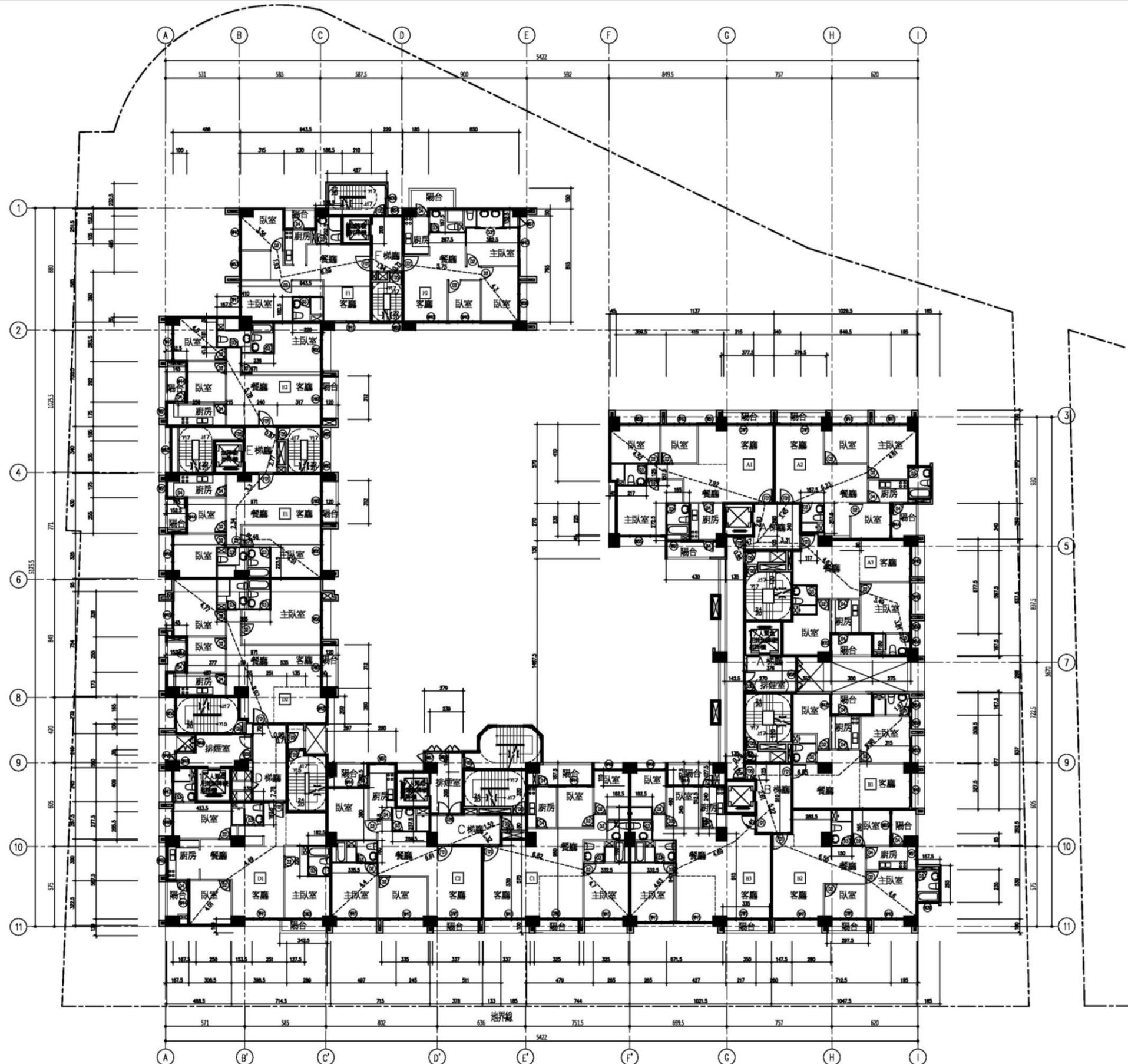


圖11-23 八層平面圖(S=1/300)



一、八層各戶樓地板面積計算

室內面積	計算式	面積 (㎡)
A1	4.1x0.45+3.595x2.35+5.7x11.37+4.15x2.7	= 86.31
A2	10.295x3.05+11.345x2.65+1.675x2.15+2.6x4.82	= 77.6
A3	0.8x2.17+2.8x5.075+2.5x3.52+6.775x3+8.375x2.75+0.45x1.675	= 68.86
B1	8.37x2.8+6.77x3+2.75x8.37	= 66.77
B2	0.85x1.475+2.625x7.125+10.475x5.3+2.65x1.65	= 79.85
B3	4.6x2.65+4.27x3.45+6.715x6.4+1.45x2.17+3.5x6.15	= 94.57
C1	1.85x5.75+5.3x1.33+7.44x9.6+1.15x2.65	= 92.16
C2	2x1.725+3.8x4.97+2.45x2.375+7.15x5.675+3.78x5.3	= 88.77
D1	1.675x2.45+2.675x4.235+3x4.685+3.985x2.775+3.225x3.085+2.89x2.055+7.145x5.675	= 96.98
D2	4.21x1+1.73x1.45+8.49x9.71+0.59x1.65+5.35x2+2.6x0.4	= 101.87
E1	1.75x1.45+4.3x9.71+10.71x3.26	= 79.21
E2	2.835x1+4.86x0.35+7.505x9.71+1.75x1.45	= 79.95
F1	2.515x3.15+2.3x1.05+1.885x2+9.435x5.65	= 67.42
F2	7.65x1.85+6.5x8.15	= 67.13
小計:		= 1147.45

陽台面積	計算式	面積 (㎡)
A1	1.0x3.775+4.3x1.3	= 9.37
A2	3.795x1.0+1.95x2.6	= 8.87
A3	3x1.675	= 5.03
B1	3x1.675	= 5.03
B2	1.95x2.625+2.975x1.0	= 8.09
B3	4.27x1.675+3.35x1.0	= 10.50
C1	3.68x1.675+1.11x1.6+3.25x1.0	= 11.19
C2	2.97x1.8+1.0x3.37	= 8.72
D1	3.225x1.675+1.0x3.425	= 8.83
D2	1.525x2.55+3.12x1.2	= 7.63
E1	1.525x2.55+3.12x1.2	= 7.63
E2	2.92x1.525+3.12x1.2	= 8.20
F1	2.3x1.525	= 3.51
F2	2x1.425+1.925x1.5	= 5.74
A,B棟	0.35x1.5+1.35x1.3+1.425x14.675+1.35x1.275	= 24.91
D棟	1.35x1.85	= 2.50
小計:		= 135.75

樓梯面積計算	計算式	面積 (㎡)
A棟	0.65x1.05+3.4x3.4+3.76x2.68	= 22.32
B棟	0.82x1.25+5.1x2.6	= 14.29
C棟	2.25x5.11	= 11.50
D棟	5.6x2.51	= 14.06
E棟	2.4x3.4	= 8.16
F棟	2.29x4.05	= 9.27
小計:		= 79.60

樓梯不足2M面積計算	計算式	面積 (㎡)
A棟	0.65x1.05	= 0.68
B棟	0.82x1.25	= 1.03
小計:		= 1.71

樓梯面積計算	計算式	面積 (㎡)
A棟	5.075x3.42	= 17.36
B棟	5.045x3.42	= 17.25
C棟	1.11x1.3+2.43x3.46+(4.57+3.13)x0.72/2+1.11x1.98+4.57x3.2+1.8x1.85	= 32.77
D棟	2.7x4.57+0.59x1.05+0.35x0.7+1.275x0.38+4.09x2.89	= 25.51
E棟	3.4x2.59+2.15x1.05+3.4x3.17	= 21.84
F棟	3.325x4.27+2.29x3.6	= 18.17
小計:		= 132.9

升降機面積計算	計算式	面積 (㎡)
A棟	2.35x2.15	= 5.05
B棟	2.4x2.17	= 5.21
E棟	2.35x2.15	= 5.05
F棟	2.1x2	= 4.20
小計:		= 19.51
緊急升降機面積計算		
A,B棟	2.7x2.5	= 6.75
C棟	2.45x2.55	= 6.25
D棟	2.5x2.45	= 6.13
小計:		= 19.13

排煙室面積計算	計算式	面積 (㎡)
C棟	4.5x2.39+1.45x0.4	= 11.34
D棟	2.45x4.085+1.425x1.15	= 11.65
小計:		= 22.99

設備間面積計算	計算式	面積 (㎡)
A,B棟	0.55x1.65x2	= 1.82
D棟	1.535x2.45	= 3.76
小計:		= 5.58

二、面積計算檢核

樓地板面積檢核	計算式	結果
樓地板面積檢核	1147.45+79.60+132.9+19.51+19.13+22.99+5.58	= 1427.16
陽台面積檢核	135.75	< 1427.16x10%=142.72 ...OK
樓梯面積檢核	79.60-1.71=77.89	< 1427.16x10%=142.72 ...OK
緊急升降機面積檢核	135.75+77.89-213.64	< 1427.16x15%=214.07 ...OK
設備間面積檢核	132.9+19.13+22.99+5.58=180.6	
當層各樓地板面積檢核	1427.16-77.89-180.6=1168.67	(備註) (設備間)

三、當層戶數檢核 14戶

四、緊急升降機設置檢核

本棟A,B,C棟為21層高74.45M建築;D棟為9層高27.65M建築,故設置三部緊急升降機,每部應能負擔十七人,速度每分鐘0.5公尺

檢核項目	檢核式	結果
A,B棟 (11~21層) - 設置緊急升降機	(86.31+79.95+68.11+66.77+79.85+94.57)x11=5231.16	> 500
C棟 (11~21層) - 設置緊急升降機	(92.16+88.77)x11=1990.23	> 500
D棟 (11~19層) - 設置緊急升降機	(96.98+101.87)x3+(96.98+91.70)x6=1728.63	> 500
E棟 (11~13層) - 免設置	(79.21+79.95)x3=477.48	< 500
F棟 (11~13層) - 免設置	(67.42+67.13)x3=403.65	< 500

五、排煙室面積檢核

檢核項目	檢核式	結果
A,B棟	3.76x2.68=10.08	> 10.00...OK
C棟	4.5x2.39+1.45x0.4=11.34	> 10.00...OK
D棟	2.45x4.085+1.15x1.425=11.65	> 10.00...OK

六、特別安全梯面積檢核

檢核項目	檢核式	結果
A,B棟	(17.36+17.25+10.08)=44.69	> (77.83+71.87+59.98+58.64+71.44+85.35)x3%=12.75
C棟	(31.07+11.34)=42.41	> (82.94+78.75)x3%=4.85
D棟	(25.51+11.65)=37.16	> (89.55+93.27)x3%=5.48

七、居室面積計算

廚房面積	計算式	面積 (㎡)
A1	1.25x0.45+1.575x2.17+1.65x2.725	= 8.48
A2	1.675x2.175+1.675x2.325	= 7.54
A3	1.775x2.1+2.75x1.6	= 8.13
B1	1.775x2.1+2.75x1.6	= 8.13
B2	1.5x2.65+1.675x2.65	= 8.41
B3	1.625x2.4+1.6x3.325	= 9.22
C1	1.625x2.4+1.6x3.325	= 9.22
C2	3.355x1.6+2.695x1.725	= 10.02
D1	2.3x1.675+1.625x2.2	= 7.43
D2	2.235x3.85	= 8.60
E1	2.235x3.85	= 8.60
E2	1.675x0.35+1.81x4.1+0.415x2.36	= 8.99
F1	1.885x2.025+1.825x2.2	= 7.83
F2	1.675x2.675+3.825x1.325	= 9.55

八、步行距離檢核

步行距離	檢核式	結果
A1	L=4.52+7.92+2.93+1.47+0.85=17.69M	< 40M
A2	L=4.61+6.23+3.45+1.47+0.85=16.61M	< 40M
A3	L=3.81+3.49+4.67+3.31+1.47+0.85=17.6M	< 40M
B1	L=1.97+5.98+6.85+1.02+0.75=16.57M	< 40M
B2	L=4.6+6.55+5.22+1.05+1.02+0.75=19.19M	< 40M
B3	L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2M	< 40M
C1	L=4.7+6.82+1.32+1.52=14.36M	< 40M
C2	L=9.61+4.4=14.01M	< 40M
D1	L=4.01+4.49+7.78+0.71=16.99M	< 40M
D2	L=4.77+9.12+0.98=14.87M	< 40M
E1	L=4.51+2.48+2.34+3.3+2.77=15.4M	< 50M
E2	L=4.5+5.78+0.87=11.15M	< 50M
F1	L=3.56+1.93+6.69+1.94=14.12M	< 50M
F2	L=4.3+5.75+0.71=10.76M	< 50M

重複步行距離	檢核式	結果
A1	L=4.52+7.92+2.93+1.47+0.85=17.69M	< 20M
A2	L=4.61+6.23+3.45+1.47+0.85=16.61M	< 20M
A3	L=4.46+2.57+4.63+2.48+1.47+0.85=16.46M	< 20M
B1	L=4.57+2.96+7.69+1.02+0.75=16.99M	< 20M
B2	L=4.6+6.55+5.22+1.05+1.02+0.75=19.19M	< 20M
B3	L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2M	< 20M
C1	L=4.7+6.82+1.32+1.52=14.36M	< 20M
C2	L=9.61+4.4=14.01M	< 20M
D1	L=4.01+4.49+7.78+0.71=16.99M	< 20M
D2	L=4.58+8.07+0.98=13.63M	< 20M
E1	L=4.51+2.48+2.34+3.3=12.63M	< 50M
E2	L=4.5+5.78=10.28M	< 50M
F1	L=3.56+1.93+6.69+1.94=12.18M	< 50M
F2	L=4.3+5.75+0.71=10.05M	< 50M

九、採光面積檢核

檢核項目	檢核式	結果
A1	2.4x2.5+1x1.75+2.2x2.5+2.8x2.5+2.8x2.5+1x1.75	=29.00㎡ > 77.83/8=9.73 ...OK
A2	2.4x2.5+2.4x2.5+2.4x2.5+0.9x1.3+1.6x1.5	=21.57㎡ > 70.06/8=8.76 ...OK
A3	2.2x2.5+2x2.5+0.84x2.5+1x2.5+1.2x1.5	=16.90㎡ > 60.73/8=7.59 ...OK
B1	2.4x2.5+1.8x2.5+0.84x2.5+1x2.5+1.4x1.5	=17.20㎡ > 58.64/8=7.33 ...OK
B2	2.4x2.5+2.4x2.5+2.2x2.5+1.4x1.8+1x1.75+1.6x1.4	=24.01㎡ > 71.44/8=8.93 ...OK
B3	2.4x2.5+2.4x2.5+2.4x2.5+2x2.5+1.6x1.5	=25.40㎡ > 85.35/8=10.67 ...OK
C1	2.4x2.5+2.4x2.5+2.4x2.5+2x2.5+1.6x1.5	=25.40㎡ > 82.94/8=10.37 ...OK
C2	2.4x2.5+2.4x2.5+2.4x2.5+1.6x1.5+1x1.75	=22.15㎡ > 78.75/8=9.84 ...OK
D1	2.2x2.5+2.4x2.5+1.6x1.5+2x1.5+2x2.5+1.4x2.5	=25.40㎡ > 89.55/8=11.19 ...OK
D2	1.4x1.5+2.8x2.5+2.6x2.5+2x1.5+1.6x1.5	=21.00㎡ > 93.27/8=11.66 ...OK
E1	2.8x2.5+2.8x2.5+2x2.5+1.6x1.5+1x1.75	=23.15㎡ > 70.61/8=8.83 ...OK
E2	2.8x2.5+2.8x2.5+2.4x2.5+1.6x1.5+1x1.75	=24.15㎡ > 70.96/8=8.87 ...OK
F1	2.4x2.5+2.4x2.5+1.8x2.5+2x2.5	=22.00㎡ > 59.59/8=7.45 ...OK
F2	2.2x2.5+2.2x2.5+2.6x2.5+2.2x2.5+0.9x2.5	=25.25㎡ > 57.58/8=7.20 ...OK

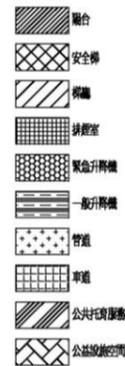


圖11-24 八層面積計算圖(S=1/300)

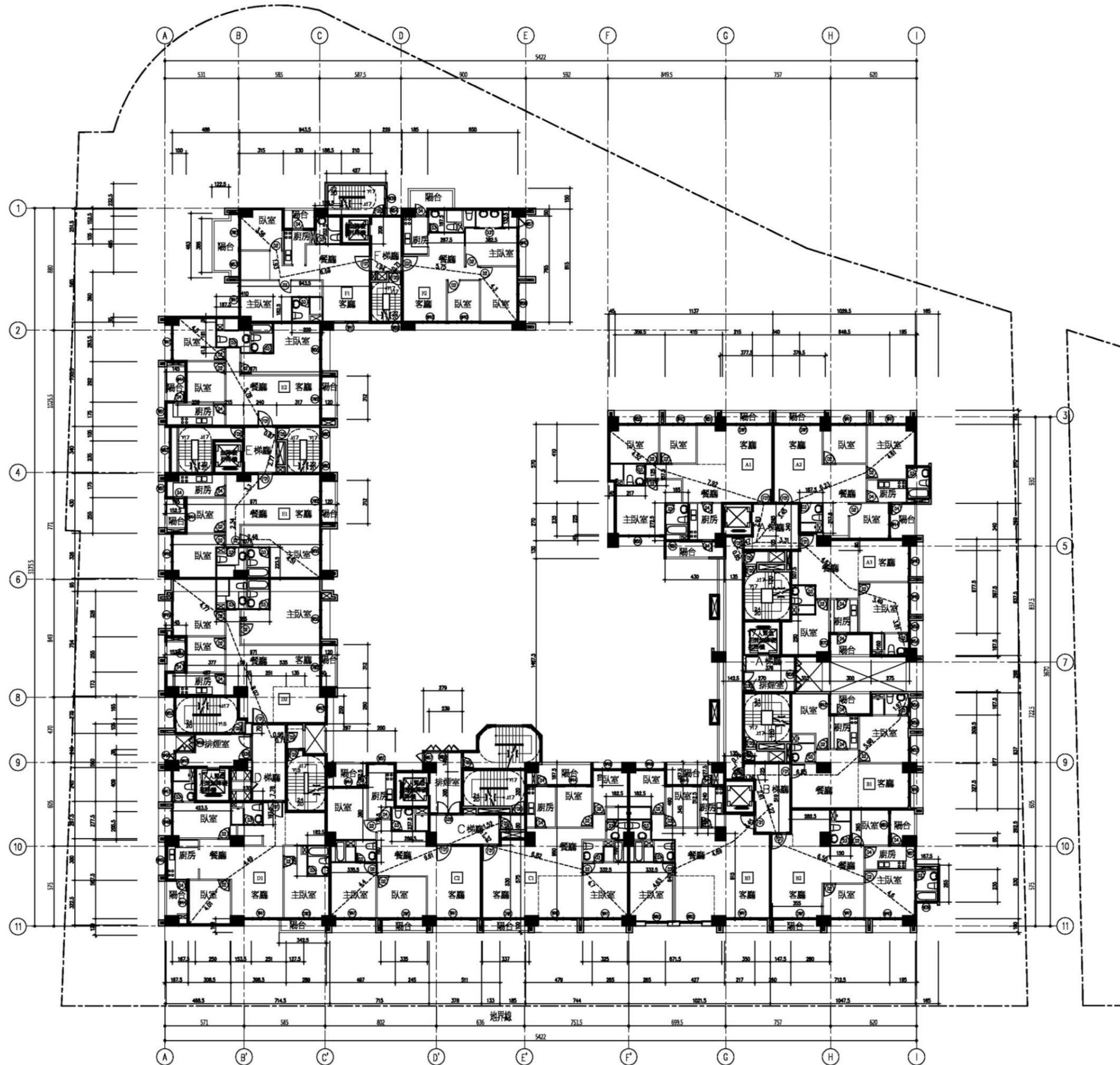
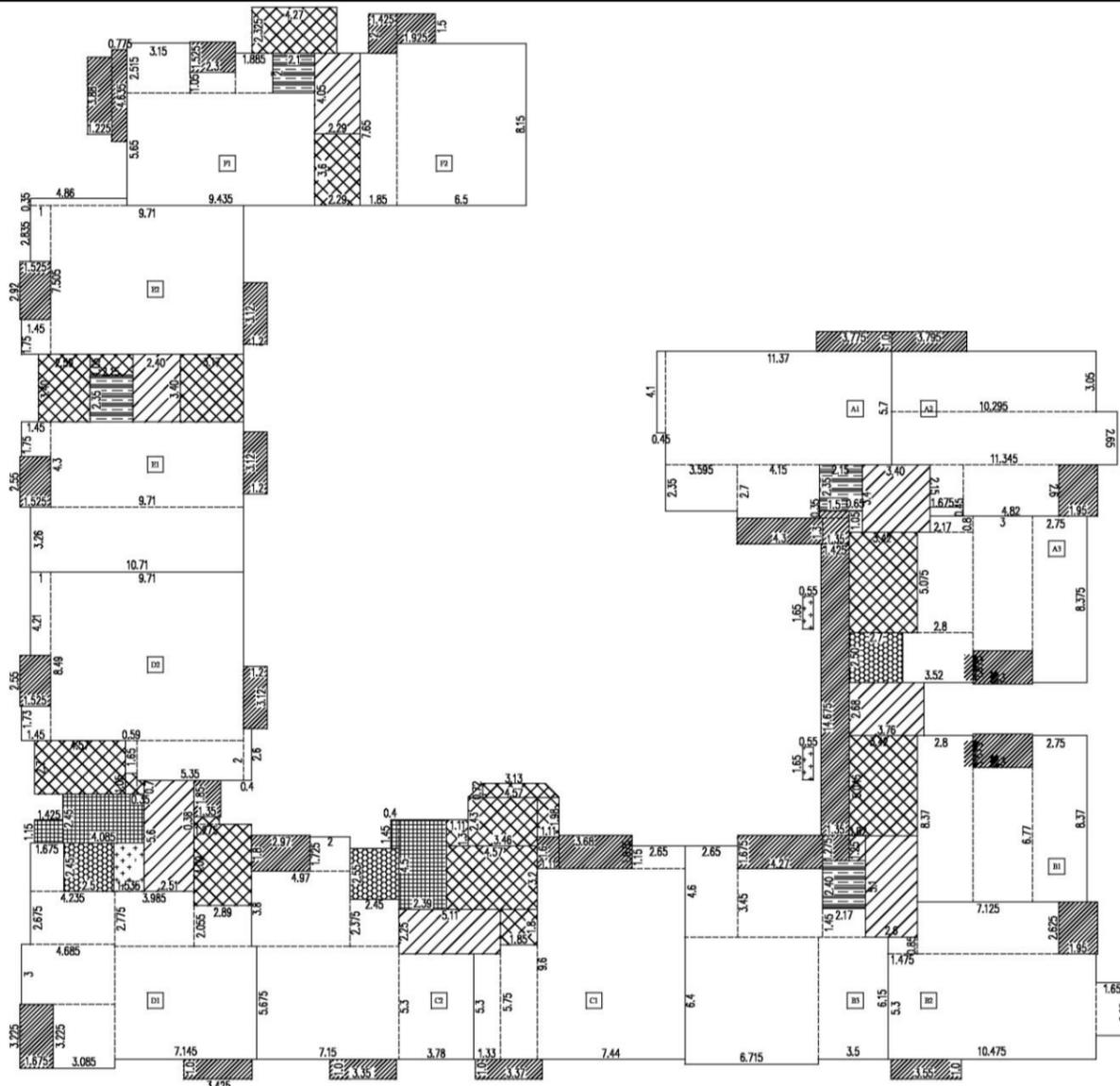


圖11-25 九層平面圖(S=1/300)



一、九層 各戶 樓地板面積計算

室內面積	面積	面積
A1	4.1x0.45+3.595x2.35+5.7x11.37+4.15x2.7	= 86.31㎡
A2	10.295x3.05+11.345x2.65+1.675x2.15+2.6x4.82	= 77.6㎡
A3	0.8x2.17+2.8x5.075+2.5x3.52+6.775x3+8.375x2.75+0.45x1.675	= 68.86㎡
B1	8.37x2.8+6.77x3+2.75x8.37	= 66.77㎡
B2	0.85x1.475+2.625x7.125+10.475x5.3+2.65x1.65	= 79.85㎡
B3	4.6x2.65+4.27x3.45+6.715x6.4+1.45x2.17+3.5x6.15	= 94.57㎡
C1	1.85x5.75+5.3x1.33+7.44x9.6+1.15x2.65	= 92.16㎡
C2	2x1.725+3.8x4.97+2.45x2.375+7.15x5.675+3.78x5.3	= 88.77㎡
D1	1.675x2.45+2.675x4.235+3x4.685+3.985x2.775+3.225x3.085+2.89x2.055+7.145x5.675	= 96.98㎡
D2	4.21x1+1.73x1.45+8.49x9.71+0.59x1.65+5.35x2+2.6x0.4	= 101.87㎡
E1	1.75x1.45+4.3x9.71+10.71x3.26	= 79.21㎡
E2	2.835x1+4.86x0.35+7.505x9.71+1.75x1.45	= 79.95㎡
F1	2.515x3.15+2.3x1.05+1.885x2+9.435x5.65	= 67.42㎡
F2	7.65x1.85+6.5x8.15	= 67.13㎡
小計:		= 1147.45㎡

露台面積	面積	面積
A1	1.0x3.775+4.3x1.3	= 9.37㎡
A2	3.795x1.0+1.95x2.6	= 8.87㎡
A3	3x1.675	= 5.03㎡
B1	3x1.675	= 5.03㎡
B2	1.95x2.625+3.55x1.0	= 8.67㎡
B3	4.27x1.675	= 7.15㎡
C1	3.68x1.675+1.11x1.6+3.37x1.0	= 11.31㎡
C2	2.97x1.8+1.0x3.35	= 8.70㎡
D1	3.225x1.675+1.0x3.425	= 8.83㎡
D2	1.525x2.55+3.12x1.2	= 7.63㎡
E1	1.525x2.55+3.12x1.2	= 7.63㎡
E2	2.92x1.525+3.12x1.2	= 8.20㎡
F1	2.3x1.525+1.225x3.88+0.775x4.635	= 11.85㎡
F2	2x1.425+1.925x1.5	= 5.74㎡
A,B棟	0.35x1.5+1.35x1.3+1.425x14.675+1.35x1.275	= 24.91㎡
D棟	1.35x1.85	= 2.50㎡
小計:		= 141.42㎡

梯廳面積計算	面積	面積
A棟	0.65x1.05+3.4x3.4+3.76x2.68	= 22.32㎡
B棟	0.82x1.25+5.1x2.6	= 14.29㎡
C棟	2.25x5.11	= 11.50㎡
D棟	5.6x2.51	= 14.06㎡
E棟	2.4x3.4	= 8.16㎡
F棟	2.29x4.05	= 9.27㎡
小計:		= 79.60㎡

梯廳不足2M面積計算	面積	面積
A棟	0.65x1.05	= 0.68㎡
B棟	0.82x1.25	= 1.03㎡
小計:		= 1.71㎡

樓梯面積計算	面積	面積
A棟	5.075x3.42	= 17.36㎡
B棟	5.045x3.42	= 17.25㎡
C棟	1.11x1.3+2.43x3.46+(4.57+3.13)x0.72/2+1.11x1.98+4.57x3.2+1.8x1.85	= 32.77㎡
D棟	2.7x4.57+0.59x1.05+0.35x0.7+1.275x0.38+4.09x2.89	= 25.51㎡
E棟	3.4x2.59+2.15x1.05+3.4x3.17	= 21.84㎡
F棟	2.325x4.27+2.29x3.6	= 18.17㎡
小計:		= 132.9㎡

升降機面積計算	面積	面積
A棟	2.35x2.15	= 5.05㎡
B棟	2.4x2.17	= 5.21㎡
E棟	2.35x2.15	= 5.05㎡
F棟	2.1x2	= 4.20㎡
小計:		= 19.51㎡

緊急升降機面積計算	面積	面積
A,B棟	2.7x2.5	= 6.75㎡
C棟	2.45x2.55	= 6.25㎡
D棟	2.5x2.45	= 6.13㎡
小計:		= 19.13㎡

排煙室面積計算	面積	面積
C棟	4.5x2.39+1.45x0.4	= 11.34㎡
D棟	2.45x4.085+1.425x1.15	= 11.65㎡
小計:		= 22.99㎡

設備間面積計算	面積	面積
A,B棟	0.55x1.65x2	= 1.82㎡
D棟	1.535x2.45	= 3.76㎡
小計:		= 5.58㎡

二、面積計算檢討

樓地板面積檢討	面積	面積
1147.45+79.60+132.9+19.51+19.13+22.99+5.58	= 1427.16㎡	
聯合免計容積面積檢討	141.42㎡	< 1427.16x10%=142.72㎡ ...OK
梯廳免計容積面積檢討	79.60-1.71=77.89㎡	< 1427.16x10%=142.72㎡ ...OK
聯合+梯廳免計容積面積檢討	141.42+77.89=219.31㎡	> 1427.16x15%=214.07㎡
設備間免計容積面積檢討	219.31-214.07=5.24㎡	(計入容積權剩餘)
設備間面積檢討	132.9+19.13+22.99+5.58=180.6㎡	
當層容積樓地板面積檢討	1427.16-77.89-180.6+5.24=1173.91㎡	(剩餘) (設備間) (梯廳) (免計容積)

三、當層戶數檢討 14戶

四、緊急升降機設置檢討

本層A,B,C棟為21層,高度74.45M建築;D棟為9層,高度67.65M建築,故設置二部緊急升降機,服務樓層十七人,服務每分鐘0.05公尺  
 A,B棟 (11~21層) - 設置緊急升降機  
 (86.31+79.95+68.11+66.77+79.85+94.57)x11=5231.16 > 500㎡  
 C棟 (11~21層) - 設置緊急升降機 (92.16+88.77)x11=1990.23㎡ > 500㎡  
 D棟 (11~19層) - 設置緊急升降機  
 (96.98+101.87)x3+(96.98+91.70)x6=1728.63㎡ > 500㎡  
 E棟 (11~13層) - 免設置 (79.21+79.95)x3=477.48㎡ < 500㎡  
 F棟 (11~13層) - 免設置 (67.42+67.13)x3=403.65 < 500㎡

五、排煙室面積檢討

A,B棟 3.76x2.68=10.08㎡ > 10.00㎡...OK  
 C棟 4.5x2.39+1.45x0.4=11.34㎡ > 10.00㎡...OK  
 D棟 2.45x4.085+1.15x1.425=11.65㎡ > 10.00㎡...OK

六、特別安全梯面積檢討

A,B棟 (17.36+17.25+10.08)=44.69㎡  
 > (77.83+71.87+59.98+58.64+71.44+85.35)x3%=12.75㎡  
 C棟 (31.07+11.34)=42.41㎡ > (82.94+78.75)x3%=4.85㎡  
 D棟 (25.51+11.65)=37.16㎡ > (89.55+93.27)x3%=5.48㎡

七、居室面積計算

廚房面積	面積	面積
A1	1.25x0.45+1.575x2.17+1.65x2.725	= 8.48㎡
A2	1.675x2.175+1.675x2.325	= 7.54㎡
A3	1.775x2.1+2.75x1.6	= 8.13㎡
B1	1.775x2.1+2.75x1.6	= 8.13㎡
B2	1.5x2.65+1.675x2.65	= 8.41㎡
B3	1.625x2.4+1.6x3.325	= 9.22㎡
C1	1.625x2.4+1.6x3.325	= 9.22㎡
C2	3.355x1.6+2.695x1.725	= 10.02㎡
D1	2.3x1.675+1.625x2.2	= 7.43㎡
D2	2.235x3.85	= 8.60㎡
E1	2.235x3.85	= 8.60㎡
E2	1.675x0.35+1.81x4.1+0.415x2.36	= 8.99㎡
F1	1.885x2.025+1.825x2.2	= 7.83㎡
F2	1.675x2.675+3.825x1.325	= 9.55㎡

居室面積	面積	面積
A1	86.31-8.48	= 77.83㎡
A2	77.6-7.54	= 70.06㎡
A3	68.86-8.13	= 60.73㎡
B1	66.77-8.13	= 58.64㎡
B2	79.85-8.41	= 71.44㎡
B3	94.57-9.22	= 85.35㎡
C1	92.16-9.22	= 82.94㎡
C2	88.77-10.02	= 78.75㎡
D1	96.98-7.43	= 89.55㎡
D2	101.87-8.60	= 93.27㎡
E1	79.21-8.60	= 70.61㎡
E2	79.95-8.99	= 70.96㎡
F1	67.42-7.83	= 59.59㎡
F2	67.13-9.55	= 57.58㎡

八、步行距離檢討

步行距離	距離	距離
A1	L=4.52+7.92+2.93+1.47+0.85=17.69M	< 40M
A2	L=4.61+6.23+3.45+1.47+0.85=16.61M	< 40M
A3	L=3.81+3.49+4.67+3.31+1.47+0.85=17.6M	< 40M
B1	L=1.97+5.98+6.85+1.02+0.75=16.57M	< 40M
B2	L=4.6+6.55+5.22+1.05+1.02+0.75=19.19M	< 40M
B3	L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2M	< 40M
C1	L=4.7+6.82+1.32+1.52=14.36M	< 40M
C2	L=9.61+4.4=14.01M	< 40M
D1	L=4.01+4.49+7.78+0.71=16.99M	< 40M
D2	L=4.77+9.12+0.98=14.87M	< 40M
E1	L=4.51+2.48+2.34+3.3+2.77=15.4M	< 50M
E2	L=4.5+5.78+0.87=11.15M	< 50M
F1	L=3.56+1.93+6.69+1.94=14.12M	< 50M
F2	L=4.3+5.75+0.71=10.76M	< 50M

重複步行距離	距離	距離
A1	L=4.52+7.92+2.93+1.47+0.85=17.69M	< 20M
A2	L=4.61+6.23+3.45+1.47+0.85=16.61M	< 20M
A3	L=4.46+2.57+4.63+2.48+1.47+0.85=16.46M	< 20M
B1	L=4.57+2.96+7.69+1.02+0.75=16.99M	< 20M
B2	L=4.6+6.55+5.22+1.05+1.02+0.75=19.19M	< 20M
B3	L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2M	< 20M
C1	L=4.7+6.82+1.32+1.52=14.36M	< 20M
C2	L=9.61+4.4=14.01M	< 20M
D1	L=4.01+4.49+7.78+0.71=16.99M	< 20M
D2	L=4.58+8.07+0.98=13.63M	< 20M
E1	L=4.51+2.48+2.34+3.3=12.63M	< 50M
E2	L=4.5+5.78=10.28M	< 50M
F1	L=3.56+1.93+6.69+1.94=12.18M	< 50M
F2	L=4.3+5.75+0.71=10.05M	< 50M

九、採光面積檢討

採光面積	面積	面積
A1	2.4x2.5+1x1.75+2.2x2.5+2.8x2.5+2.8x2.5+1x1.75	=29.00㎡ > 77.83/8=9.73 ...OK
A2	2.4x2.5+2.4x2.5+2.4x2.5+0.9x1.3+1.6x1.5	=21.57㎡ > 70.06/8=8.76 ...OK
A3	2.2x2.5+2x2.5+0.84x2.5+1x2.5+1.2x1.5	=16.90㎡ > 60.73/8=7.59 ...OK
B1	2.4x2.5+1.8x2.5+0.84x2.5+1x2.5+1.4x1.5	=17.20㎡ > 58.64/8=7.33 ...OK
B2	2.4x2.5+2.4x2.5+2.2x2.5+1.4x1.8+1x1.75+1.6x1.4	=24.01㎡ > 71.44/8=8.93 ...OK
B3	2.4x2.5+2.4x2.5+2.4x2.5+2x2.5+1.6x1.5	=25.40㎡ > 85.35/8=10.67 ...OK
C1	2.4x2.5+2.4x2.5+2.4x2.5+2x2.5+1.6x1.5	=25.40㎡ > 82.94/8=10.37 ...OK
C2	2.4x2.5+2.4x2.5+2.4x2.5+1.6x1.5+1x1.75	=22.15㎡ > 78.75/8=9.84 ...OK
D1	2.2x2.5+2.4x2.5+1.6x1.5+2x1.5+2x2.5+1.4x2.5	=25.40㎡ > 89.55/8=11.19 ...OK
D2	1.4x1.5+2.8x2.5+2.6x2.5+2x1.5+1.6x1.5	=21.00㎡ > 93.27/8=11.66 ...OK
E1	2.8x2.5+2.8x2.5+2x2.5+1.6x1.5+1x1.75	=23.15㎡ > 70.61/8=8.83 ...OK
E2	2.8x2.5+2.8x2.5+2.4x2.5+1.6x1.5+1x1.75	=24.15㎡ > 70.96/8=8.87 ...OK
F1	2.4x2.5+2.4x2.5+1.8x2.5+2.2x2.5	=22.00㎡ > 59.59/8=7.45 ...OK
F2	2.2x2.5+2.2x2.5+2.6x2.5+2.2x2.5+0.9x2.5	=25.25㎡ > 57.58/8=7.20 ...OK

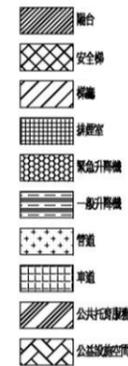


圖11-26 九層面積計算圖(S=1/300)

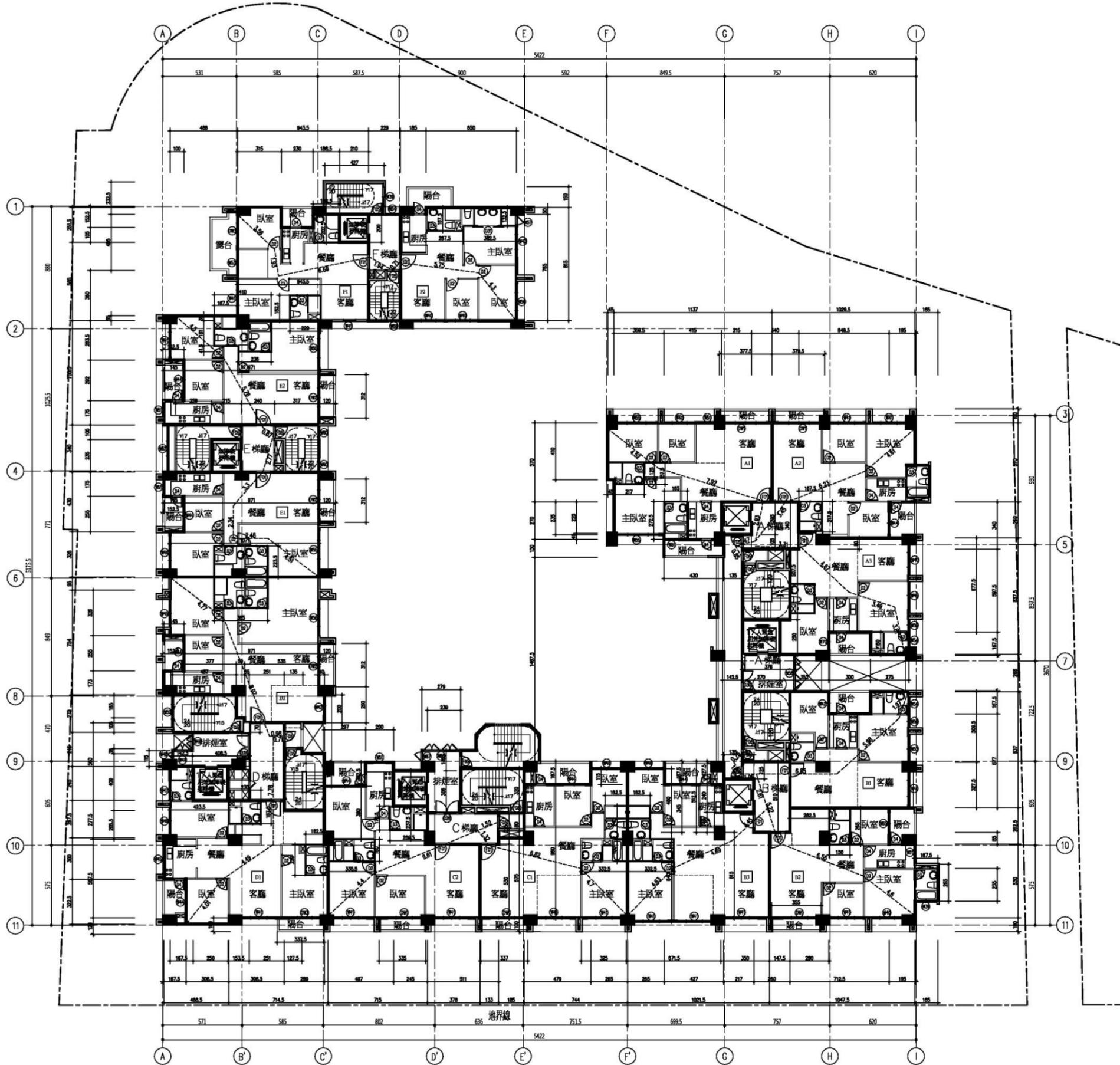


圖11-27 十一層平面圖(S=1/300)



八 步行距離檢討

步行距離

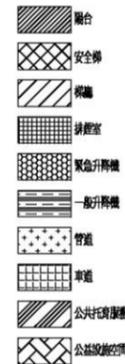
A1	L=4.52+7.92+2.93+1.47+0.85=17.69M < 40M
A2	L=4.61+6.23+3.45+1.47+0.85=16.61M < 40M
A3	L=3.81+3.49+4.67+3.31+1.47+0.85=17.6M < 40M
B1	L=1.97+5.98+6.85+1.02+0.75=16.57M < 40M
B2	L=4.6+6.55+5.22+1.05+1.02+0.75=19.19M < 40M
B3	L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2M < 40M
C1	L=4.7+6.82+1.32+1.52=14.36M < 40M
C2	L=9.61+4.4=14.01M < 40M
D1	L=4.01+4.49+7.78+0.71=16.99M < 40M
D2	L=4.77+9.12+0.98=14.87M < 40M
E1	L=4.51+2.48+2.34+3.3+2.77=15.4M < 50M
E2	L=4.5+5.78+0.87=11.15M < 50M
F1	L=3.56+1.93+6.69+1.94=14.12M < 50M
F2	L=4.3+5.75+0.71=10.76M < 50M

重複步行距離

A1	L=4.52+7.92+2.93+1.47+0.85=17.69M < 20M
A2	L=4.61+6.23+3.45+1.47+0.85=16.61M < 20M
A3	L=4.46+2.57+4.63+2.48+1.47+0.85=16.46M < 20M
B1	L=4.57+2.96+7.69+1.02+0.75=16.99M < 20M
B2	L=4.6+6.55+5.22+1.05+1.02+0.75=19.19M < 20M
B3	L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2M < 20M
C1	L=4.7+6.82+1.32+1.52=14.36M < 20M
C2	L=9.61+4.4=14.01M < 20M
D1	L=4.01+4.49+7.78+0.71=16.99M < 20M
D2	L=4.58+8.07+0.98=13.63M < 20M
E1	L=4.51+2.48+2.34+3.3=12.63M < 50M
E2	L=4.5+5.78=10.28M < 50M
F1	L=3.56+1.93+6.69+1.94=12.18M < 50M
F2	L=4.3+5.75+0.71=10.05M < 50M

九 採光面積檢討

A1	2.4x2.5+1x1.75+2.2x2.5+2.8x2.5+2.8x2.5+1x1.75 =29.00㎡ > 77.83/8=9.73 ...OK
A2	2.4x2.5+2.4x2.5+2.4x2.5+0.9x1.3+1.6x1.5 =21.57㎡ > 70.06/8=8.76 ...OK
A3	2.2x2.5+2x2.5+0.8x2.5+1x2.5+1.2x1.5 =16.90㎡ > 60.73/8=7.59 ...OK
B1	2.4x2.5+1.8x2.5+0.8x2.5+1x2.5+1.4x1.5 =17.20㎡ > 58.64/8=7.33 ...OK
B2	2.4x2.5+2.4x2.5+2.2x2.5+1.4x1.8+1x1.75+1.6x1.4 =24.01㎡ > 71.44/8=8.93 ...OK
B3	2.4x2.5+2.4x2.5+2.4x2.5+2x2.5+1.6x1.5 =25.40㎡ > 85.35/8=10.67 ...OK
C1	2.4x2.5+2.4x2.5+2.4x2.5+2x2.5+1.6x1.5 =25.40㎡ > 82.94/8=10.37 ...OK
C2	2.4x2.5+2.4x2.5+2.4x2.5+1.6x1.5+1x1.75 =22.15㎡ > 78.75/8=9.84 ...OK
D1	2.2x2.5+2.4x2.5+1.6x1.5+2x1.5+2x2.5+1.4x2.5 =25.40㎡ > 89.55/8=11.19 ...OK
D2	1.4x1.5+2.8x2.5+2.6x2.5+2x1.5+1.6x1.5 =21.00㎡ > 93.27/8=11.66 ...OK
E1	2.8x2.5+2.8x2.5+2x2.5+1.6x1.5+1x1.75 =23.15㎡ > 70.61/8=8.83 ...OK
E2	2.8x2.5+2.8x2.5+2.4x2.5+1.6x1.5+1x1.75 =24.15㎡ > 70.96/8=8.87 ...OK
F1	2.4x2.5+2.4x2.5+1.8x2.5+2.2x2.5 =22.00㎡ > 59.59/8=7.45 ...OK
F2	2.2x2.5+2.2x2.5+2.6x2.5+2.2x2.5+0.9x2.5 =25.25㎡ > 57.58/8=7.20 ...OK



十一層 各戶 樓地板面積計算

室內面積

A1	4.1x0.45+3.59x2.35+5.7x11.37+4.15x2.7 = 86.31㎡
A2	10.29x3.05+11.34x2.65+1.67x2.15+2.6x4.82 = 77.6㎡
A3	0.8x2.17+2.8x5.075+2.5x3.52+6.77x3+8.37x2.75+0.45x1.675 = 68.86㎡
B1	8.37x2.8+6.77x3+2.75x8.37 = 66.77㎡
B2	0.85x1.475+2.625x7.125+10.475x5.3+2.65x1.65 = 79.85㎡
B3	4.6x2.65+4.27x3.45+6.715x6.4+1.45x2.17+3.5x6.15 = 94.57㎡
C1	1.85x5.75+5.3x1.33+7.44x9.6+1.15x2.65 = 92.16㎡
C2	2x1.725+3.8x4.97+2.45x2.375+7.15x5.675+3.78x5.3 = 88.77㎡
D1	1.675x2.45+2.675x4.235+3x4.685+3.985x2.775+3.225x3.085+2.89x2.055+7.145x5.675 = 96.98㎡
D2	4.21x1+1.73x1.45+8.49x9.71+0.59x1.65+5.35x2+2.6x0.4 = 101.87㎡
E1	1.75x1.45+4.3x9.71+10.71x3.26 = 79.21㎡
E2	2.835x1+4.86x0.35+7.505x9.71+1.75x1.45 = 79.95㎡
F1	2.515x3.15+2.3x1.05+1.885x2+9.435x5.65 = 67.42㎡
F2	7.65x1.85+6.5x8.15 = 67.13㎡
小計:	1147.45㎡

陽台面積

A1	1.0x3.775+4.3x1.3 = 9.37㎡
A2	3.795x1.0+1.95x2.6 = 8.87㎡
A3	3x1.675 = 5.03㎡
B1	3x1.675 = 5.03㎡
B2	1.95x2.625+3.55x1.0 = 8.67㎡
B3	4.27x1.675 = 7.15㎡
C1	3.68x1.675+1.11x1.6+3.37x1.0 = 11.31㎡
C2	2.97x1.8+1.0x3.35 = 8.70㎡
D1	3.225x1.675+1.0x3.425 = 8.83㎡
D2	1.525x2.55+3.12x1.2 = 7.63㎡
E1	1.525x2.55+3.12x1.2 = 7.63㎡
E2	2.92x1.525+3.12x1.2 = 8.20㎡
F1	2.3x1.525 = 3.51㎡
F2	2x1.425+1.925x1.5 = 5.74㎡
A,B棟	0.35x1.5+1.35x1.3+1.425x1.675+1.35x1.275 = 24.91㎡
D棟	1.35x1.85 = 2.50㎡
小計:	133.08㎡

樓梯面積計算

A棟	0.65x1.05+3.4x3.4+3.76x2.68 = 22.32㎡
B棟	0.82x1.25+5.1x2.6 = 14.29㎡
C棟	2.25x5.11+4.5x2.39+1.45x0.4 = 22.83㎡
D棟	5.6x2.51 = 14.06㎡
E棟	2.4x3.4 = 8.16㎡
F棟	2.29x4.05 = 9.27㎡
小計:	90.93㎡

樓梯不足2M面積計算

A棟	0.65x1.05 = 0.68㎡
B棟	0.82x1.25 = 1.03㎡
C棟	1.45x0.4 = 0.58㎡
小計:	2.29㎡

樓梯面積計算

A棟	5.075x3.42 = 17.36㎡
B棟	5.045x3.42 = 17.25㎡
C棟	1.11x1.3+2.43x3.46+(4.57+3.13)x0.72/2+1.11x1.98+4.57x3.2+1.8x1.85 = 32.77㎡
D棟	2.7x4.57+0.59x1.05+0.35x0.7+1.275x0.38+4.09x2.89 = 25.51㎡
E棟	3.4x2.59+2.15x1.05+3.4x3.17 = 21.84㎡
F棟	2.325x4.27+2.29x3.6 = 18.17㎡
小計:	132.9㎡

升降機面積計算

A棟	2.35x2.15 = 5.05㎡
B棟	2.4x2.17 = 5.21㎡
E棟	2.35x2.15 = 5.05㎡
F棟	2.1x2 = 4.20㎡
小計:	19.51㎡

緊急升降機面積計算

A,B棟	2.7x2.5 = 6.75㎡
C棟	2.45x2.55 = 6.25㎡
D棟	2.5x2.45 = 6.13㎡
小計:	19.13㎡

排煙室面積計算

D棟	2.45x4.085+1.425x1.15 = 11.65㎡
小計:	11.65㎡

設備間面積計算

A,B棟	0.55x1.65x2 = 1.82㎡
D棟	1.535x2.45 = 3.76㎡
小計:	5.58㎡

二 面積計算檢討

樓地板面積檢討

1147.45+90.93+132.9+19.51+19.13+11.65+5.58 = 1427.15㎡
陽台免計容積面積檢討
133.08㎡ < 1427.15x10%=142.72㎡ ...OK
樓梯免計容積面積檢討
90.93-1.71=89.22㎡ < 1427.15x10%=142.72㎡ ...OK
陽台+樓梯免計容積面積檢討
133.08+89.22=222.30㎡ > 1427.15x10%=142.72㎡ ...OK
221.72-214.07=7.65㎡(計入容積率)
設備間面積檢討
132.9+19.13+11.65+5.58=169.26㎡
實際容積樓地板面積檢討
1427.15-89.22-169.26+7.65=1176.9㎡
(精確) (設備間) (樓梯免計容積)

三 當層戶數檢討 14戶

四 緊急升降機設置檢討

本案A,B,C棟21層 高度74.45M建築;D棟9層 高度57.65M建築;

設置三台緊急升降機, 載能力應十七人, 速度每分鐘105公尺

A,B棟 (11~21層) - 設置緊急升降機	(86.31+79.95+68.11+66.77+79.85+94.57)x11=5231.16 > 500㎡
C棟 (11~21層) - 設置緊急升降機	(92.16+88.77)x11=1990.23 > 500㎡
D棟 (11~19層) - 設置緊急升降機	(96.98+101.87)x3+(96.98+91.70)x6=1728.63 > 500㎡
E棟 (11~13層) - 免設置	(79.21+79.95)x3=477.48 < 500㎡
F棟 (11~13層) - 免設置	(67.42+67.13)x3=403.65 < 500㎡

五 排煙室面積檢討

A,B棟	3.76x2.68=10.08㎡ > 10.00㎡...OK
C棟	4.5x2.39+1.45x0.4=11.34㎡ > 10.00㎡...OK
D棟	2.45x4.085+1.15x1.425=11.65㎡ > 10.00㎡...OK

六 特別安全梯面積檢討

A,B棟	(17.36+17.25+10.08)=44.69㎡
>	(77.83+71.87+59.98+58.64+71.44+85.35)x3%=12.75㎡
C棟	(31.07+11.34)=42.41㎡ > (82.94+78.75)x3%=4.85㎡
D棟	(25.51+11.65)=37.16㎡ > (89.55+93.27)x3%=5.48㎡

七 居室面積計算

廁所面積

A1	1.25x0.45+1.575x2.17+1.65x2.725 = 8.48㎡
A2	1.675x2.175+1.675x2.325 = 7.54㎡
A3	1.775x2.1+2.75x1.6 = 8.13㎡
B1	1.775x2.1+2.75x1.6 = 8.13㎡
B2	1.5x2.65+1.675x2.65 = 8.41㎡
B3	1.625x2.4+1.6x3.325 = 9.22㎡
C1	1.625x2.4+1.6x3.325 = 9.22㎡
C2	3.355x1.6+2.695x1.725 = 10.02㎡
D1	2.3x1.675+1.625x2.2 = 7.43㎡
D2	2.235x3.85 = 8.60㎡
E1	2.235x3.85 = 8.60㎡
E2	1.675x0.35+1.81x4.1+0.415x2.36 = 8.99㎡
F1	1.885x2.025+1.825x2.2 = 7.83㎡
F2	1.675x2.675+3.825x1.325 = 9.55㎡

居室面積

A1	86.31-8.48 = 77.83㎡
A2	77.6-7.54 = 70.06㎡
A3	68.86-8.13 = 60.73㎡
B1	66.77-8.13 = 58.64㎡
B2	79.85-8.41 = 71.44㎡
B3	94.57-9.22 = 85.35㎡
C1	92.16-9.22 = 82.94㎡
C2	88.77-10.02 = 78.75㎡
D1	96.98-7.43 = 89.55㎡
D2	101.87-8.60 = 93.27㎡
E1	79.21-8.60 = 70.61㎡
E2	79.95-8.99 = 70.96㎡
F1	67.42-7.83 = 59.59㎡
F2	67.13-9.55 = 57.58㎡

圖11-28 十一層面積計算圖(S=1/300)