

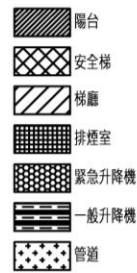


八 步行距離檢討

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=4.1+6.0+5.22+1.05+1.02+0.75=18.14M < 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=13.12M < 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=4.1+6.0+5.22+1.05+1.02+0.75=18.14M < 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=13.12M < 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+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+1.6x2.5+2.0x2.5+0.7x1.75+1.6x1.4	=18.47㎡ > 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



一、五層 各戶 樓地板面積計算

室內面積	
A1	4.1x0.45+3.595x2.35+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 = 66.76㎡
B2	6.15x1.47+8.55x2.33+5.6x9 = 79.36㎡
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:	1146.96㎡

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	1.35x3.0+3.55x1.0 = 7.60㎡
B3	4.27x1.675 = 7.15㎡
C1	3.68x1.675+1.6x1.11+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、C、D、E、F	樓0.35x1.5+1.35x1.3+1.425x14.675+1.35x1.275 = 24.91㎡
D樓	1.35x1.85 = 2.50㎡
小計:	140.35㎡

梯廳面積計算

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

梯廳不足2M面積計算

A樓	0.65x1.05 = 0.68㎡
B樓	0.82x1.25 = 1.03㎡
小計:	1.71㎡

樓梯面積計算

A樓	5.075x3.42 = 17.36㎡
B樓	5.045x3.42 = 17.25㎡
C樓	1.11x1.3+3.46x2.43+(4.57+3.13)x0.72/2+1.98x1.11+4.57x3.2+1.8x1.85 = 32.77㎡
D樓	2.7x4.57+0.59x1.05+0.35x0.7+1.275x0.38+4.09x2.89 = 25.51㎡
E樓	3.4x2.59+2.15x1.05+3.4x3.17 = 21.84㎡
F樓	3.325x4.27+2.29x3.6 = 18.17㎡
小計:	132.9㎡

升降機面積計算

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

緊急升降機面積計算

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

排煙室面積計算

C樓	4.5x2.39+1.45x0.4 = 11.34㎡
D樓	2.45x4.085+1.425x1.15 = 11.65㎡
小計:	22.99㎡

設備間面積計算

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

二、面積計算檢討

樓地板面積檢討	1146.96+79.60+132.9+19.51+19.13+22.99+5.58 = 1426.67㎡
陽台免計算面積檢討	140.35㎡ < 1426.67x10%=142.67㎡ ...OK
梯廳免計算面積檢討	79.60-1.71=77.89㎡ < 1426.67x10%=142.67㎡ ...OK
陽台+梯廳免計算面積檢討	140.35+77.89=218.24㎡ > 1426.67x15%=214.00㎡
設備間免計算面積檢討	218.24-214.00=4.24㎡ (超過部分計入容積獎勵)
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	1426.67-77.89-180.6+4.24=1172.42 (容積) (容積率) (容積率+陽台容積率5%部分)

三、當層戶數檢討 14戶

四、緊急升降機設置檢討

本案A、B、C樓21層 高度74.45M 建築;D樓21層 高度76.65M 建築,	
設置三台緊急升降機, 載重能力達十人, 速度每分鐘0.05公尺	
A、B樓 (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樓 (11~21層) - 設置緊急升降機	(92.16+88.77)x11=1990.23 > 500㎡
D樓 (11~19層) - 設置緊急升降機	(96.98+101.87)x3+(96.98+91.70)x6=1728.63 > 500㎡
E樓 (11~13層) - 免設置	(79.21+79.95)x3=477.48 < 500㎡
F樓 (11~13層) - 免設置	(67.42+67.13)x3=403.65 < 500㎡

五、排煙室面積檢討

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

六、特別安全梯面積檢討

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

七、居室面積計算

居室面積	
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11-18 五層面積計算圖(S=1/300)

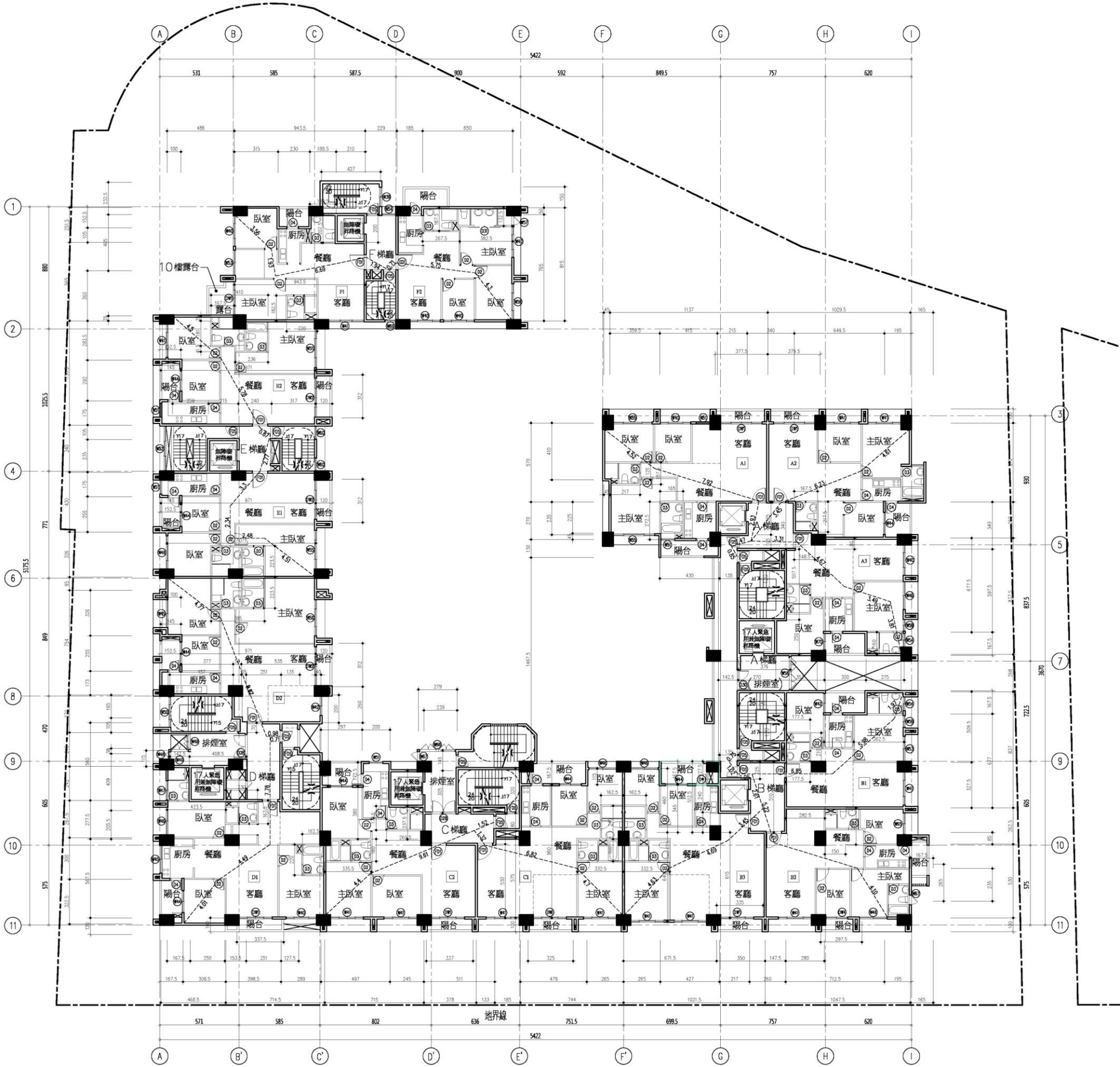


圖11-19 六、十層平面圖(S=1/300)