

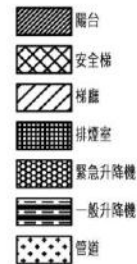


八、步行距離檢討

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	$L=9.61+4.4=14.01M < 40M$
公共通道距離	
E2	$L=9.16+12.92+0.87=22.95M < 50M$
F1	$L=4.5+5.78+0.87=11.15M < 50M$
F2	$L=3.56+1.93+6.69+1.94=12.12M < 50M$
實際步行距離	
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	$L=9.61+4.4=14.01M < 20M$
公共通道距離	
E2	$L=9.16+12.92=22.08M < 25M$
F1	$L=4.5+5.78=10.28M < 25M$
F2	$L=3.56+1.93+6.69+1.94=12.18M < 25M$
F2	$L=4.3+5.75+0.71=10.05M < 25M$

九、採光面積檢討

A1	$2.4 \times 2.5 + 1.75 + 2.2 \times 2.5 + 2.8 \times 2.5 + 2.8 \times 2.5 + 1.75 = 29.00m^2 > 77.83/8 = 9.73 \dots OK$
A2	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 0.9 \times 1.3 + 1.6 \times 1.5 = 21.57m^2 > 70.06/8 = 8.76 \dots OK$
A3	$2.2 \times 2.5 + 2.2 \times 2.5 + 0.8 \times 2.5 + 1.2 \times 1.5 = 16.90m^2 > 60.73/8 = 7.59 \dots OK$
B1	$2.4 \times 2.5 + 1.8 \times 2.5 + 0.8 \times 2.5 + 1.2 \times 1.5 + 1.4 \times 1.5 = 17.20m^2 > 58.64/8 = 7.33 \dots OK$
B2	$2.4 \times 2.5 + 1.6 \times 2.5 + 2.0 \times 2.5 + 0.7 \times 1.75 + 1.6 \times 1.4 = 18.47m^2 > 71.44/8 = 8.93 \dots OK$
B3	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 2.2 \times 2.5 + 1.6 \times 1.5 = 25.40m^2 > 85.35/8 = 10.67 \dots OK$
C1	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 2.2 \times 2.5 + 1.6 \times 1.5 = 25.40m^2 > 82.94/8 = 10.37 \dots OK$
C2	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 1.6 \times 1.5 + 1.75 = 22.15m^2 > 78.75/8 = 9.84 \dots OK$
E2	$2.8 \times 2.5 + 2.8 \times 2.5 + 2.4 \times 2.5 + 1.6 \times 1.5 + 1.75 = 24.15m^2 > 70.96/8 = 8.87 \dots OK$
F1	$2.4 \times 2.5 + 2.4 \times 2.5 + 1.8 \times 2.5 + 2.2 \times 2.5 = 22.00m^2 > 59.59/8 = 7.45 \dots OK$
F2	$2.2 \times 2.5 + 2.2 \times 2.5 + 2.6 \times 2.5 + 2.2 \times 2.5 + 0.9 \times 2.5 = 25.25m^2 > 57.58/8 = 7.20 \dots OK$



一、二層 各戶 樓地板面積計算

室內面積	
A1	$4.1 \times 0.45 + 3.595 \times 2.35 + 5.7 \times 1.37 + 4.15 \times 2.7 = 86.31m^2$
A2	$10.295 \times 3.05 + 11.345 \times 2.65 + 1.675 \times 2.15 + 2.6 \times 4.82 = 77.6m^2$
A3	$0.8 \times 2.17 + 2.8 \times 5.075 + 2.5 \times 3.52 + 6.775 \times 3 + 8.375 \times 2.75 + 0.45 \times 1.675 = 68.86m^2$
B1	$8.37 \times 2.8 + 6.77 \times 3 + 2.75 \times 8.37 = 66.77m^2$
B2	$6.15 \times 1.47 + 8.55 \times 2.33 + 5.6 \times 9 = 79.36m^2$
B3	$4.6 \times 2.65 + 4.27 \times 3.45 + 6.715 \times 6.4 + 1.45 \times 2.17 + 3.5 \times 6.15 = 94.57m^2$
C1	$1.85 \times 5.75 + 5.3 \times 1.33 + 7.44 \times 9.6 + 1.15 \times 2.65 = 92.16m^2$
C2	$2 \times 1.725 + 3.8 \times 4.97 + 2.45 \times 2.375 + 7.15 \times 5.675 + 3.78 \times 5.3 = 88.77m^2$
E2	$2.835 \times 1 + 4.86 \times 0.35 + 7.505 \times 9.71 + 1.75 \times 1.45 = 79.95m^2$
F1	$2.515 \times 3.15 + 2.3 \times 1.05 + 1.885 \times 2 + 9.435 \times 5.65 = 67.42m^2$
F2	$7.65 \times 1.85 + 6.5 \times 8.15 = 67.13m^2$
公共通道面積 (新北市政府)	
	$10.71 \times 11.77 + 4.28 \times 11.16 + 1.65 \times 0.59 + 2 \times 5.75 + 2.495 \times 5.6 + 1.675 \times 2.45 + 0.45 \times 5.6 + 8.22 \times 8.45 + 4.71 \times 0.45 + 2.89 \times 2.055 + 3.16 \times 5.675 = 302.34m^2$
小計:	$1171.24m^2$

陽台面積

A1	$1.0 \times 3.775 + 4.3 \times 1.3 = 9.37m^2$
A2	$3.795 \times 1.0 + 1.95 \times 2.6 = 8.87m^2$
A3	$3 \times 1.675 = 5.03m^2$
B1	$3 \times 1.675 = 5.03m^2$
B2	$2.425 \times 1 + 3.0 \times 1.35 = 6.48m^2$
B3	$4.27 \times 1.675 = 7.15m^2$
C1	$1.11 \times 1.6 + 1.675 \times 3.68 + 3.445 \times 1.0 = 11.39m^2$
C2	$2.97 \times 1.8 + 1.0 \times 3.445 = 8.79m^2$
F1	$2.3 \times 1.525 = 3.51m^2$
F2	$2 \times 1.425 + 1.925 \times 1.5 = 5.74m^2$
公共通道面積 (新北市政府)	
	$1.2 \times 3.12 \times 2 + 1 \times 3.375 = 10.86m^2$
E2	$2.92 \times 1.525 + 3.12 \times 1.2 = 8.20m^2$
A,B 樓	$0.35 \times 1.5 + 1.35 \times 1.3 + 1.425 \times 14.675 + 1.35 \times 1.275 = 24.91m^2$
D 樓	$1.35 \times 1.85 = 2.50m^2$
小計:	$117.83m^2$

樓梯面積計算

A 樓	$0.65 \times 1.05 + 3.4 \times 3.4 + 3.76 \times 2.68 = 22.32m^2$
B 樓	$0.82 \times 1.25 + 5.1 \times 2.6 = 14.29m^2$
C 樓	$2.25 \times 5.11 + 4.5 \times 2.39 + 1.45 \times 0.4 = 22.83m^2$
D 樓	$1.425 \times 1.15 + 4.085 \times 2.45 = 11.65m^2$
E 樓	$2.4 \times 3.4 = 8.16m^2$
F 樓	$2.29 \times 4.05 = 9.27m^2$
小計:	$88.52m^2$

樓梯不足2M面積計算

A 樓	$0.65 \times 1.05 = 0.68m^2$
B 樓	$0.82 \times 1.25 = 1.03m^2$
C 樓	$1.45 \times 0.4 = 0.58m^2$
D 樓	$1.425 \times 1.15 = 1.64m^2$
小計:	$3.93m^2$

樓梯面積計算

A 樓	$5.075 \times 3.42 = 17.36m^2$
B 樓	$5.045 \times 3.42 = 17.25m^2$
C 樓	$(3.13 + 4.57) \times 0.72 / 2 + 1.3 \times 1.11 + 3.46 \times 2.43 + 1.98 \times 1.11 + 4.57 \times 3.2 + 1.8 \times 1.85 = 32.77m^2$
D 樓	$2.7 \times 4.57 + 0.59 \times 1.05 + 0.35 \times 0.7 + 1.275 \times 0.38 + 4.09 \times 2.89 = 25.51m^2$
E 樓	$3.4 \times 2.59 + 1.05 \times 2.15 + 3.4 \times 3.17 = 21.84m^2$
F 樓	$2.325 \times 4.27 + 2.29 \times 3.6 = 18.17m^2$
小計:	$132.90m^2$

升降機面積計算

A 樓	$2.35 \times 2.15 = 5.05m^2$
B 樓	$2.4 \times 2.17 = 5.21m^2$
E 樓	$2.35 \times 2.15 = 5.05m^2$
F 樓	$2.1 \times 2 = 4.20m^2$
小計:	$19.51m^2$

緊急升降機面積計算

A,B 樓	$2.7 \times 2.5 = 6.75m^2$
C 樓	$2.45 \times 2.55 = 6.25m^2$
D 樓	$2.5 \times 2.45 = 6.13m^2$
小計:	$19.13m^2$

設備間面積計算

A,B 樓	$0.55 \times 1.65 \times 2 = 1.82m^2$
D 樓	$1.535 \times 2.45 = 3.76m^2$
小計:	$5.58m^2$

二、面積計算檢討

樓地板面積檢討	$1171.24 + 88.52 + 132.90 + 19.51 + 19.13 + 5.58 = 1436.88m^2$
陽台及計容樓面面積檢討	$117.83m^2 < 1436.88 \times 10\% = 143.69m^2 \dots OK$
樓梯及計容樓面面積檢討	$88.52 - 3.93 = 84.59m^2 < 1436.88 \times 10\% = 143.69m^2 \dots OK$
陽台+樓梯及計容樓面面積檢討	$117.83 + 84.59 = 202.42m^2 < 1436.88 \times 15\% = 215.53m^2 \dots OK$
設備間面積檢討	$132.9 + 19.13 + 5.58 = 157.61m^2$
實際容積樓面面積檢討	$1436.88 - 302.34 - 88.52 - 157.61 = 888.41m^2$
(公共通道面積) (樓梯) (設備間)	

三、當層戶數檢討 11戶

四、緊急升降機設置檢討

本樓A,B,C 樓為21層,高度74.45M;D 樓為19層,高度67.65M;E 樓為3層,高度10.08M;F 樓為2層,高度6.75M;公共通道高度0.5公尺	
A,B 樓 (11~21層) - 設置緊急升降機	$(86.31 + 79.95 + 68.11 + 66.77 + 79.85 + 94.57) \times 11 = 5231.16 > 500m^2$
C 樓 (11~21層) - 設置緊急升降機	$(92.16 + 88.77) \times 11 = 1990.23 > 500m^2$
D 樓 (11~19層) - 設置緊急升降機	$(96.98 + 101.87) \times 3 + (96.98 + 91.70) \times 6 = 1728.63 > 500m^2$
E 樓 (11~13層) - 免設置	$(79.21 + 79.95) \times 3 = 477.48 < 500m^2$
F 樓 (11~13層) - 免設置	$(67.42 + 67.13) \times 3 = 403.65 < 500m^2$

五、排煙室面積檢討

A,B 樓	$3.76 \times 2.68 = 10.08m^2 > 10.00m^2 \dots OK$
C 樓	$4.5 \times 2.39 + 1.45 \times 0.4 = 11.34m^2 > 10.00m^2 \dots OK$
D 樓	$2.45 \times 4.085 + 1.15 \times 1.425 = 11.65m^2 > 10.00m^2 \dots OK$

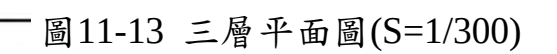
六、特別安全梯面積檢討

A,B 樓	$(17.36 + 17.25 + 10.08) = 44.69m^2$
>	$(77.83 + 71.87 + 59.98 + 58.64 + 71.44 + 85.35) \times 3\% = 12.75m^2$
C 樓	$(31.07 + 11.34) = 42.41m^2 > (82.94 + 78.75) \times 3\% = 4.85m^2$
D 樓	$(25.51 + 11.65) = 37.16m^2 > 295.25 \times 3\% = 8.86m^2$

七、居室面積計算

廚房面積	
A1	$1.25 \times 0.45 + 1.575 \times 2.17 + 1.65 \times 2.725 = 8.48m^2$
A2	$1.675 \times 2.175 + 1.675 \times 2.325 = 7.54m^2$
A3	$1.775 \times 2.1 + 2.75 \times 1.6 = 8.13m^2$
B1	$1.775 \times 2.1 + 2.75 \times 1.6 = 8.13m^2$
B2	$1.5 \times 2.65 + 1.675 \times 2.65 = 8.41m^2$
B3	$1.625 \times 2.4 + 1.6 \times 3.325 = 9.22m^2$
C1	$1.625 \times 2.4 + 1.6 \times 3.325 = 9.22m^2$
C2	$3.355 \times 1.6 + 2.695 \times 1.725 = 10.02m^2$
公共通道面積 (新北市政府)	
	$2.455 \times 2.89 = 7.09m^2$
E2	$1.675 \times 0.35 + 1.81 \times 4.1 + 0.415 \times 2.36 = 8.99m^2$
F1	$1.885 \times 2.025 + 1.825 \times 2.2 = 7.83m^2$
F2	$1.675 \times 2.675 + 3.825 \times 1.325 = 9.55m^2$
居室面積	
A1	$86.31 - 8.48 = 77.83m^2$
A2	$77.6 - 7.54 = 70.06m^2$
A3	$68.86 - 8.13 = 60.73m^2$
B1	$66.77 - 8.13 = 58.64m^2$
B2	$79.85 - 8.41 = 71.44m^2$
B3	$94.57 - 9.22 = 85.35m^2$
C1	$92.16 - 9.22 = 82.94m^2$
C2	$88.77 - 10.02 = 78.75m^2$
E2	$79.95 - 8.99 = 70.96m^2$
F1	$67.42 - 7.83 = 59.59m^2$
F2	$67.13 - 9.55 = 57.58m^2$
公共通道面積 (新北市政府)	
	$302.34 - 7.09 = 295.25m^2$

圖11-12二層面積計算圖(S=1/300)



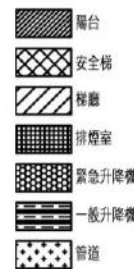


八、步行距離檢討

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	$L=4.1+6.0+5.22+1.05+1.02+0.75=18.14M < 40M$
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	$L=3.56+1.93+6.69+1.94=14.12M < 50M$
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	$L=4.1+6.0+5.22+1.05+1.02+0.75=18.14M < 20M$
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	$L=3.56+1.93+6.69+1.94=12.18M < 50M$
F2	$L=4.3+5.75+0.71=10.05M < 50M$

九、採光面積檢討

A1	$2.4 \times 2.5 + 1 \times 1.75 + 2.2 \times 2.5 + 2.8 \times 2.5 + 1 \times 1.75 = 29.00M^2 > 77.83/8 = 9.73 \dots OK$
A2	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 0.9 \times 1.3 + 1.6 \times 1.5 = 21.57M^2 > 70.06/8 = 8.76 \dots OK$
A3	$2.2 \times 2.5 + 2 \times 2.5 + 0.8 \times 2.5 + 1 \times 2.5 + 1.2 \times 1.5 = 16.90M^2 > 60.73/8 = 7.59 \dots OK$
B1	$2.4 \times 2.5 + 1.8 \times 2.5 + 0.8 \times 2.5 + 1 \times 2.5 + 1.4 \times 1.5 = 17.20M^2 > 58.64/8 = 7.33 \dots OK$
B2	$2.4 \times 2.5 + 1.6 \times 2.5 + 2.0 \times 2.5 + 0.7 \times 1.75 + 1.6 \times 1.4 = 18.47M^2 > 71.44/8 = 8.93 \dots OK$
B3	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 2 \times 2.5 + 1.6 \times 1.5 = 25.40M^2 > 85.35/8 = 10.67 \dots OK$
C1	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 2 \times 2.5 + 1.6 \times 1.5 = 25.40M^2 > 82.94/8 = 10.37 \dots OK$
C2	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 1.6 \times 1.5 + 1 \times 1.75 = 22.15M^2 > 78.75/8 = 9.84 \dots OK$
D1	$2.2 \times 2.5 + 2.4 \times 2.5 + 1.6 \times 1.5 + 2 \times 1.5 + 2 \times 2.5 + 1.4 \times 2.5 = 25.40M^2 > 89.55/8 = 11.19 \dots OK$
D2	$1.4 \times 1.5 + 2.8 \times 2.5 + 2.6 \times 2.5 + 2 \times 1.5 + 1.6 \times 1.5 = 21.00M^2 > 93.27/8 = 11.66 \dots OK$
E1	$2.8 \times 2.5 + 2.8 \times 2.5 + 2 \times 2.5 + 1.6 \times 1.5 + 1 \times 1.75 = 23.15M^2 > 70.61/8 = 8.83 \dots OK$
E2	$2.8 \times 2.5 + 2.8 \times 2.5 + 2.4 \times 2.5 + 1.6 \times 1.5 + 1 \times 1.75 = 24.15M^2 > 70.96/8 = 8.87 \dots OK$
F1	$2.4 \times 2.5 + 2.4 \times 2.5 + 1.8 \times 2.5 + 2 \times 2.5 = 22.00M^2 > 59.59/8 = 7.45 \dots OK$
F2	$2.2 \times 2.5 + 2.2 \times 2.5 + 2.6 \times 2.5 + 2 \times 2.5 + 0.9 \times 2.5 = 25.25M^2 > 57.58/8 = 7.20 \dots OK$



一、三層 各戶 樓地板面積計算

室內面積	
A1	$4.1 \times 0.45 + 3.595 \times 2.35 + 5.7 \times 1.37 + 4.15 \times 2.7 = 86.31M^2$
A2	$3.05 \times 10.295 + 11.345 \times 2.65 + 1.675 \times 2.15 + 2.6 \times 4.82 = 77.6M^2$
A3	$0.8 \times 2.17 + 2.8 \times 5.075 + 2.5 \times 3.52 + 6.775 \times 3 + 8.375 \times 2.75 + 0.45 \times 1.675 = 68.86M^2$
B1	$8.37 \times 2.8 + 6.77 \times 3 + 2.75 \times 8.37 = 66.77M^2$
B2	$6.15 \times 1.47 + 8.55 \times 2.33 + 5.6 \times 9 = 79.36M^2$
B3	$4.6 \times 2.65 + 4.27 \times 3.45 + 6.715 \times 6.4 + 1.45 \times 2.17 + 3.5 \times 6.15 = 94.57M^2$
C1	$1.85 \times 5.75 + 5.3 \times 1.33 + 7.44 \times 9.6 + 1.15 \times 2.65 = 92.16M^2$
C2	$2 \times 1.725 + 3.8 \times 4.97 + 2.45 \times 2.375 + 7.15 \times 5.675 + 3.78 \times 5.3 = 88.77M^2$
D1	$1.675 \times 2.45 + 2.675 \times 4.235 + 3 \times 4.685 + 3.985 \times 2.775 + 3.225 \times 3.085 + 2.89 \times 2.055 + 7.145 \times 5.675 = 96.98M^2$
D2	$4.21 \times 1 + 1.73 \times 1.45 + 8.49 \times 9.71 + 0.59 \times 1.65 + 5.35 \times 2 + 2.6 \times 0.4 = 101.87M^2$
E1	$1.75 \times 1.45 + 4.3 \times 9.71 + 10.71 \times 3.26 = 79.21M^2$
E2	$2.835 \times 1 + 4.86 \times 0.35 + 7.505 \times 9.71 + 1.75 \times 1.45 = 79.95M^2$
F1	$2.515 \times 3.15 + 2.3 \times 1.05 + 1.885 \times 2 + 9.435 \times 5.65 = 67.42M^2$
F2	$7.65 \times 1.85 + 6.5 \times 8.15 = 67.13M^2$
小計:	$1146.96M^2$

陽合面積

A1	$1.0 \times 3.775 + 4.3 \times 1.3 = 9.37M^2$
A2	$3.795 \times 1.0 + 1.95 \times 2.6 = 8.87M^2$
A3	$3 \times 1.675 = 5.03M^2$
B1	$3 \times 1.675 = 5.03M^2$
B2	$1.35 \times 3.0 + 3.55 \times 1.0 = 7.60M^2$
B3	$4.27 \times 1.675 = 7.15M^2$
C1	$1.6 \times 1.11 + 3.68 \times 1.675 + 3.37 \times 1.0 = 11.31M^2$
C2	$2.97 \times 1.8 + 1.0 \times 3.35 = 8.70M^2$
D1	$3.225 \times 1.675 + 1.0 \times 3.425 = 8.83M^2$
D2	$1.525 \times 2.55 + 3.12 \times 1.2 = 7.63M^2$
E1	$1.525 \times 2.55 + 3.12 \times 1.2 = 7.63M^2$
E2	$2.92 \times 1.525 + 3.12 \times 1.2 = 8.20M^2$
F1	$2.3 \times 1.525 = 3.51M^2$
F2	$2 \times 1.425 + 1.925 \times 1.5 = 5.74M^2$
A,B棟	$0.35 \times 1.5 + 1.35 \times 1.3 + 1.425 \times 14.675 + 1.35 \times 1.275 = 24.91M^2$
D棟	$1.35 \times 1.85 = 2.50M^2$
小計:	$132.01M^2$

樓面面積計算

A棟	$0.65 \times 1.05 + 3.4 \times 3.4 + 3.76 \times 2.68 = 22.32M^2$
B棟	$0.82 \times 1.25 + 5.1 \times 2.6 = 14.29M^2$
C棟	$2.25 \times 5.11 + 4.5 \times 2.39 + 1.45 \times 0.4 = 22.83M^2$
D棟	$5.6 \times 2.51 = 14.06M^2$
E棟	$2.4 \times 3.4 = 8.16M^2$
F棟	$2.29 \times 4.05 = 9.27M^2$
小計:	$90.93M^2$

樓面不足2M面積計算

A棟	$0.65 \times 1.05 = 0.68M^2$
B棟	$0.82 \times 1.25 = 1.03M^2$
C棟	$1.45 \times 0.4 = 0.58M^2$
小計:	$2.29M^2$

樓面面積計算

A棟	$5.075 \times 3.42 = 17.36M^2$
B棟	$5.045 \times 3.42 = 17.25M^2$
C棟	$1.11 \times 1.3 + 2.43 \times 3.46 + (4.57 + 3.13) \times 0.72/2 + 1.11 \times 1.98 + 4.57 \times 3.24 + 1.8 \times 1.85 = 32.77M^2$
D棟	$2.7 \times 4.57 + 0.59 \times 1.05 + 0.35 \times 0.7 + 1.275 \times 0.38 + 4.09 \times 2.89 = 25.51M^2$
E棟	$3.4 \times 2.59 + 2.15 \times 1.05 + 3.4 \times 3.17 = 21.84M^2$
F棟	$2.325 \times 4.27 + 2.29 \times 3.6 = 18.17M^2$
小計:	$132.9M^2$

升降梯面積計算

A棟	$2.35 \times 2.15 = 5.05M^2$
B棟	$2.4 \times 2.17 = 5.21M^2$
E棟	$2.35 \times 2.15 = 5.05M^2$
F棟	$2.1 \times 2 = 4.20M^2$
小計:	$19.51M^2$

緊急升降梯面積計算

A,B棟	$2.7 \times 2.5 = 6.75M^2$
C棟	$2.45 \times 2.55 = 6.25M^2$
D棟	$2.5 \times 2.45 = 6.13M^2$
小計:	$19.13M^2$

排煙室面積計算

D棟	$2.45 \times 4.085 + 1.425 \times 1.15 = 11.65M^2$
小計:	$11.65M^2$

設備間面積計算

A,B棟	$0.55 \times 1.65 \times 2 = 1.82M^2$
D棟	$1.535 \times 2.45 = 3.76M^2$
小計:	$5.58M^2$

二、面積計算檢討

樓地板面積檢討	$1146.96 + 90.93 + 132.9 + 19.51 + 19.13 + 11.65 + 5.58 = 1426.66M^2$
陽合面積檢討	$132.01M^2 < 1426.66 \times 10\% = 142.66M^2 \dots OK$
樓面面積檢討	$90.93 - 2.29 = 88.64M^2 < 1426.66 \times 10\% = 142.66M^2 \dots OK$
陽合+樓面面積檢討	$132.01 + 88.64 = 220.65M^2 > 1426.66 \times 15\% = 214.00M^2$
設備間面積檢討	$220.65 - 214.00 = 6.65M^2$ (應計入容積總量)
設備間面積檢討	$132.9 + 19.13 + 11.65 + 5.58 = 169.26M^2$
當層容積樓地板面積檢討	$1426.66 - 88.64 - 169.26 + 6.65 = 1175.41M^2$ (扣除) (扣除) (扣除+陽合總計5%扣除)

三、當層戶數檢討 14戶

四、緊急升降梯設置檢討

本案A,B,C棟為21層,高層7.45M;D棟為19層,高層7.65M;E棟,高層7.65M;F棟,高層7.65M;G棟,高層7.65M;H棟,高層7.65M;I棟,高層7.65M;J棟,高層7.65M;K棟,高層7.65M;L棟,高層7.65M;M棟,高層7.65M;N棟,高層7.65M;O棟,高層7.65M;P棟,高層7.65M;Q棟,高層7.65M;R棟,高層7.65M;S棟,高層7.65M;T棟,高層7.65M;U棟,高層7.65M;V棟,高層7.65M;W棟,高層7.65M;X棟,高層7.65M;Y棟,高層7.65M;Z棟,高層7.65M;AA棟,高層7.65M;AB棟,高層7.65M;AC棟,高層7.65M;AD棟,高層7.65M;AE棟,高層7.65M;AF棟,高層7.65M;AG棟,高層7.65M;AH棟,高層7.65M;AI棟,高層7.65M;AJ棟,高層7.65M;AK棟,高層7.65M;AL棟,高層7.65M;AM棟,高層7.65M;AN棟,高層7.65M;AO棟,高層7.65M;AP棟,高層7.65M;AQ棟,高層7.65M;AR棟,高層7.65M;AS棟,高層7.65M;AT棟,高層7.65M;AU棟,高層7.65M;AV棟,高層7.65M;AW棟,高層7.65M;AX棟,高層7.65M;AY棟,高層7.65M;AZ棟,高層7.65M;BA棟,高層7.65M;BB棟,高層7.65M;BC棟,高層7.65M;BD棟,高層7.65M;BE棟,高層7.65M;BF棟,高層7.65M;BG棟,高層7.65M;BH棟,高層7.65M;BI棟,高層7.65M;BJ棟,高層7.65M;BK棟,高層7.65M;BL棟,高層7.65M;BM棟,高層7.65M;BN棟,高層7.65M;BO棟,高層7.65M;BP棟,高層7.65M;BQ棟,高層7.65M;BR棟,高層7.65M;BS棟,高層7.65M;BT棟,高層7.65M;BU棟,高層7.65M;BV棟,高層7.65M;BW棟,高層7.65M;BX棟,高層7.65M;BY棟,高層7.65M;BZ棟,高層7.65M;CA棟,高層7.65M;CB棟,高層7.65M;CC棟,高層7.65M;CD棟,高層7.65M;CE棟,高層7.65M;CF棟,高層7.65M;CG棟,高層7.65M;CH棟,高層7.65M;CI棟,高層7.65M;CJ棟,高層7.65M;CK棟,高層7.65M;CL棟,高層7.65M;CM棟,高層7.65M;CN棟,高層7.65M;CO棟,高層7.65M;CP棟,高層7.65M;CQ棟,高層7.65M;CR棟,高層7.65M;CS棟,高層7.65M;CT棟,高層7.65M;CU棟,高層7.65M;CV棟,高層7.65M;CW棟,高層7.65M;CX棟,高層7.65M;CY棟,高層7.65M;CZ棟,高層7.65M;DA棟,高層7.65M;DB棟,高層7.65M;DC棟,高層7.65M;DD棟,高層7.65M;DE棟,高層7.65M;DF棟,高層7.65M;DG棟,高層7.65M;DH棟,高層7.65M;DI棟,高層7.65M;DJ棟,高層7.65M;DK棟,高層7.65M;DL棟,高層7.65M;DM棟,高層7.65M;DN棟,高層7.65M;DO棟,高層7.65M;DP棟,高層7.65M;DQ棟,高層7.65M;DR棟,高層7.65M;DS棟,高層7.65M;DT棟,高層7.65M;DU棟,高層7.65M;DV棟,高層7.65M;DW棟,高層7.65M;DX棟,高層7.65M;DY棟,高層7.65M;DZ棟,高層7.65M;EA棟,高層7.65M;EB棟,高層7.65M;EC棟,高層7.65M;ED棟,高層7.65M;EE棟,高層7.65M;EF棟,高層7.65M;EG棟,高層7.65M;EH棟,高層7.65M;EI棟,高層7.65M;EJ棟,高層7.65M;EK棟,高層7.65M;EL棟,高層7.65M;EM棟,高層7.65M;EN棟,高層7.65M;EO棟,高層7.65M;EP棟,高層7.65M;EQ棟,高層7.65M;ER棟,高層7.65M;ES棟,高層7.65M;ET棟,高層7.65M;EU棟,高層7.65M;EV棟,高層7.65M;EW棟,高層7.65M;EX棟,高層7.65M;EY棟,高層7.65M;EZ棟,高層7.65M;FA棟,高層7.65M;FB棟,高層7.65M;FC棟,高層7.65M;FD棟,高層7.65M;FE棟,高層7.65M;FF棟,高層7.65M;FG棟,高層7.65M;FH棟,高層7.65M;FI棟,高層7.65M;FJ棟,高層7.65M;FK棟,高層7.65M;FL棟,高層7.65M;FM棟,高層7.65M;FN棟,高層7.65M;FO棟,高層7.65M;FP棟,高層7.65M;FQ棟,高層7.65M;FR棟,高層7.65M;FS棟,高層7.65M;FT棟,高層7.65M;FU棟,高層7.65M;FV棟,高層7.65M;FW棟,高層7.65M;FX棟,高層7.65M;FY棟,高層7.65M;FZ棟,高層7.65M;GA棟,高層7.65M;GB棟,高層7.65M;GC棟,高層7.65M;GD棟,高層7.65M;GE棟,高層7.65M;GF棟,高層7.65M;GG棟,高層7.65M;GH棟,高層7.65M;GI棟,高層7.65M;GJ棟,高層7.65M;GK棟,高層7.65M;GL棟,高層7.65M;GM棟,高層7.65M;GN棟,高層7.65M;GO棟,高層7.65M;GP棟,高層7.65M;GQ棟,高層7.65M;GR棟,高層7.65M;GS棟,高層7.65M;GT棟,高層7.65M;GU棟,高層7.65M;GV棟,高層7.65M;GW棟,高層7.65M;GX棟,高層7.65M;GY棟,高層7.65M;GZ棟,高層7.65M;HA棟,高層7.65M;HB棟,高層7.65M;HC棟,高層7.65M;HD棟,高層7.65M;HE棟,高層7.65M;HF棟,高層7.65M;HG棟,高層7.65M;HH棟,高層7.65M;HI棟,高層7.65M;HJ棟,高層7.65M;HK棟,高層7.65M;HL棟,高層7.65M;HM棟,高層7.65M;HN棟,高層7.65M;HO棟,高層7.65M;HP棟,高層7.65M;HQ棟,高層7.65M;HR棟,高層7.65M;HS棟,高層7.65M;HT棟,高層7.65M;HU棟,高層7.65M;HV棟,高層7.65M;HW棟,高層7.65M;HX棟,高層7.65M;HY棟,高層7.65M;HZ棟,高層7.65M;IA棟,高層7.65M;IB棟,高層7.65M;IC棟,高層7.65M;ID棟,高層7.65M;IE棟,高層7.65M;IF棟,高層7.65M;IG棟,高層7.65M;IH棟,高層7.65M;IJ棟,高層7.65M;IK棟,高層7.65M;IL棟,高層7.65M;IM棟,高層7.65M;IN棟,高層7.65M;IO棟,高層7.65M;IP棟,高層7.65M;IQ棟,高層7.65M;IR棟,高層7.65M;IS棟,高層7.65M;IT棟,高層7.65M;IU棟,高層7.65M;IV棟,高層7.65M;IW棟,高層7.65M;IX棟,高層7.65M;IY棟,高層7.65M;IZ棟,高層7.65M;JA棟,高層7.65M;JB棟,高層7.65M;JC棟,高層7.65M;JD棟,高層7.65M;JE棟,高層7.65M;JF棟,高層7.65M;JG棟,高層7.65M;JH棟,高層7.65M;JI棟,高層7.65M;JJ棟,高層7.65M;JK棟,高層7.65M;JL棟,高層7.65M;JM棟,高層7.65M;JN棟,高層7.65M;JO棟,高層7.65M;JP棟,高層7.65M;JQ棟,高層7.65M;JR棟,高層7.65M;JS棟,高層7.65M;JT棟,高層7.65M;JU棟,高層7.65M;JV棟,高層7.65M;JW棟,高層7.65M;JX棟,高層7.65M;JY棟,高層7.65M;JZ棟,高層7.65M;KA棟,高層7.65M;KB棟,高層7.65M;KC棟,高層7.65M;KD棟,高層7.65M;KE棟,高層7.65M;KF棟,高層7.65M;KG棟,高層7.65M;KH棟,高層7.65M;KI棟,高層7.65M;KJ棟,高層7.65M;KK棟,高層7.65M;KL棟,高層7.65M;KM棟,高層7.65M;KN棟,高層7.65M;KO棟,高層7.65M;KP棟,高層7.65M;KQ棟,高層7.65M;KR棟,高層7.65M;KS棟,高層7.65M;KT棟,高層7.65M;KU棟,高層7.65M;KV棟,高層7.65M;KW棟,高層7.65M;KX棟,高層7.65M;KY棟,高層7.65M;KZ棟,高層7.65M;LA棟,高層7.65M;LB棟,高層7.65M;LC棟,高層7.65M;LD棟,高層7.65M;LE棟,高層7.65M;LF棟,高層7.65M;LG棟,高層7.65M;LH棟,高層7.65M;LI棟,高層7.65M;LJ棟,高層7.65M;LK棟,高層7.65M;LL棟,高層7.65M;LM棟,高層7.65M;LN棟,高層7.65M;LO棟,高層7.65M;LP棟,高層7.65M;LQ棟,高層7.65M;LR棟,高層7.65M;LS棟,高層7.65M;LT棟,高層7.65M;LU棟,高層7.65M;LV棟,高層7.65M;LW棟,高層7.65M;LX棟,高層7.65M;LY棟,高層7.65M;LZ棟,高層7.65M;MA棟,高層7.65M;MB棟,高層7.65M;MC棟,
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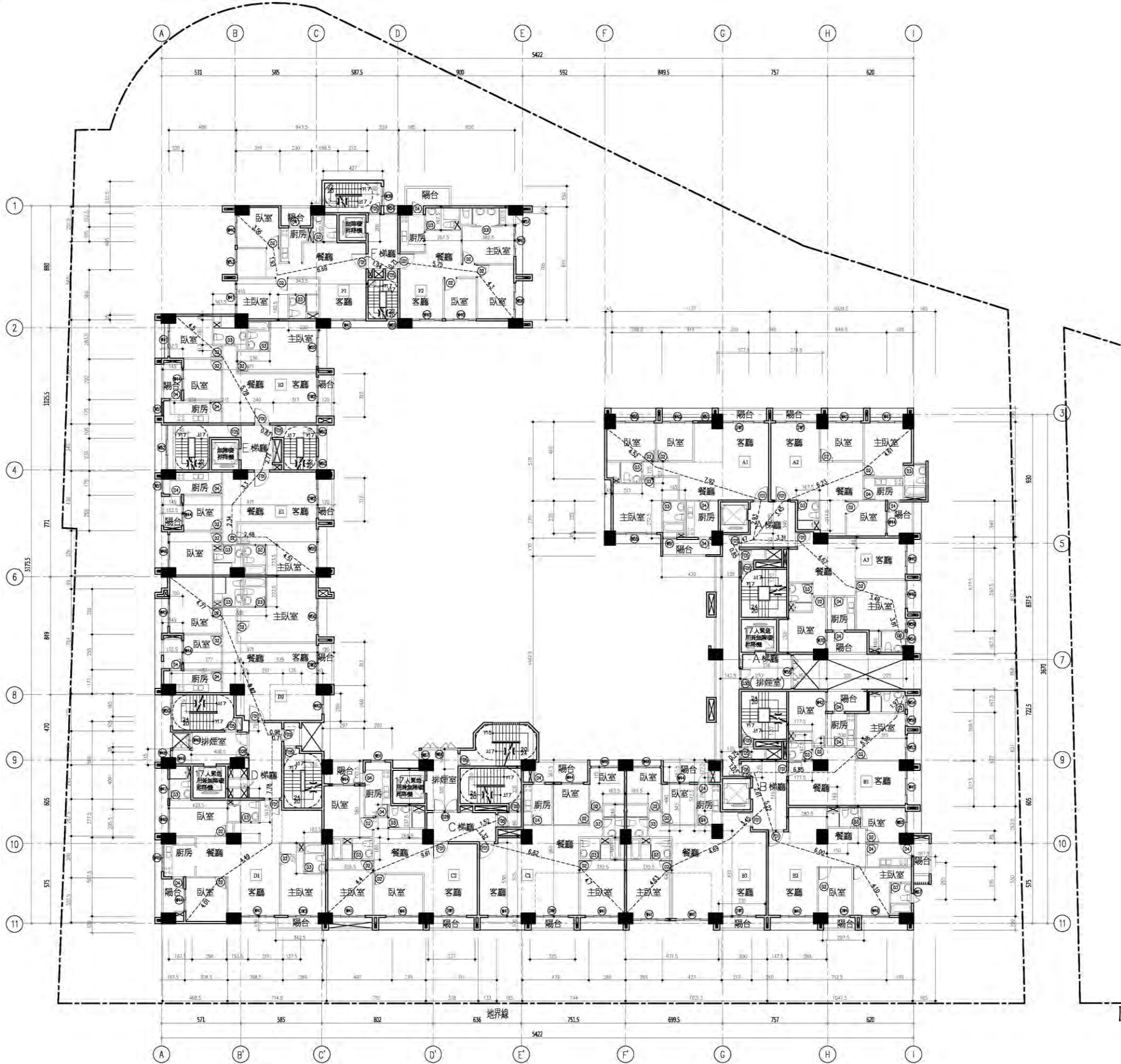


圖11-15 四層平面圖(S=1/300)

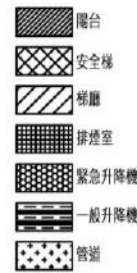


八、步行距離檢討

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	$L=4.1+6.0+5.22+1.05+1.02+0.75=18.14M < 40M$
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	$L=3.56+1.93+6.69+1.94=14.12M < 50M$
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	$L=4.1+6.0+5.22+1.05+1.02+0.75=18.14M < 20M$
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	$L=3.56+1.93+6.69+1.94=12.18M < 50M$
F2	$L=4.3+5.75+0.71=10.05M < 50M$

九、採光面積檢討

A1	$2.4 \times 2.5 + 1 \times 1.75 + 2.2 \times 2.5 + 2.8 \times 2.5 + 1 \times 1.75 = 29.00 \text{ ㎡} > 77.83/8 = 9.73 \text{ ...OK}$
A2	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 0.9 \times 1.3 + 1.6 \times 1.5 = 21.57 \text{ ㎡} > 70.06/8 = 8.76 \text{ ...OK}$
A3	$2.2 \times 2.5 + 2 \times 2.5 + 0.84 \times 2.5 + 1 \times 2.5 + 1.2 \times 1.5 = 16.90 \text{ ㎡} > 60.73/8 = 7.59 \text{ ...OK}$
B1	$2.4 \times 2.5 + 1.8 \times 2.5 + 0.84 \times 2.5 + 1 \times 2.5 + 1.4 \times 1.5 = 17.20 \text{ ㎡} > 58.64/8 = 7.33 \text{ ...OK}$
B2	$2.4 \times 2.5 + 1.6 \times 2.5 + 2.0 \times 2.5 + 0.7 \times 1.75 + 1.6 \times 1.4 = 18.47 \text{ ㎡} > 71.44/8 = 8.93 \text{ ...OK}$
B3	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 2 \times 2.5 + 1.6 \times 1.5 = 25.40 \text{ ㎡} > 85.35/8 = 10.67 \text{ ...OK}$
C1	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 2 \times 2.5 + 1.6 \times 1.5 = 25.40 \text{ ㎡} > 82.94/8 = 10.37 \text{ ...OK}$
C2	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 1.6 \times 1.5 + 1 \times 1.75 = 22.15 \text{ ㎡} > 78.75/8 = 9.84 \text{ ...OK}$
D1	$2.2 \times 2.5 + 2.4 \times 2.5 + 1.6 \times 1.5 + 2 \times 1.5 + 2 \times 2.5 + 1.4 \times 2.5 = 25.40 \text{ ㎡} > 89.55/8 = 11.19 \text{ ...OK}$
D2	$1.4 \times 1.5 + 2.8 \times 2.5 + 2.6 \times 2.5 + 2 \times 1.5 + 1.6 \times 1.5 = 21.00 \text{ ㎡} > 93.27/8 = 11.66 \text{ ...OK}$
E1	$2.8 \times 2.5 + 2.8 \times 2.5 + 2 \times 2.5 + 1.6 \times 1.5 + 1 \times 1.75 = 23.15 \text{ ㎡} > 70.61/8 = 8.83 \text{ ...OK}$
E2	$2.8 \times 2.5 + 2.8 \times 2.5 + 2.4 \times 2.5 + 1.6 \times 1.5 + 1 \times 1.75 = 24.15 \text{ ㎡} > 70.96/8 = 8.87 \text{ ...OK}$
F1	$2.4 \times 2.5 + 2.4 \times 2.5 + 1.8 \times 2.5 + 2 \times 2.5 = 22.00 \text{ ㎡} > 59.59/8 = 7.45 \text{ ...OK}$
F2	$2.2 \times 2.5 + 2.2 \times 2.5 + 2.6 \times 2.5 + 2 \times 2.5 + 0.9 \times 2.5 = 25.25 \text{ ㎡} > 57.58/8 = 7.20 \text{ ...OK}$



一、四層 各戶 樓地板面積計算

室內面積	
A1	$4.1 \times 0.45 + 3.595 \times 2.35 + 5.7 \times 1.37 + 4.15 \times 2.7 = 86.31 \text{ ㎡}$
A2	$3.05 \times 10.295 + 11.345 \times 2.65 + 1.675 \times 2.15 + 2.6 \times 4.82 = 77.6 \text{ ㎡}$
A3	$0.8 \times 2.17 + 2.8 \times 5.075 + 2.5 \times 3.52 + 6.775 \times 3 + 8.375 \times 2.75 + 0.45 \times 1.675 = 68.86 \text{ ㎡}$
B1	$8.37 \times 2.8 + 6.77 \times 3 + 2.75 \times 8.37 = 66.77 \text{ ㎡}$
B2	$6.15 \times 1.47 + 8.55 \times 2.33 + 5.6 \times 9 = 79.36 \text{ ㎡}$
B3	$4.6 \times 2.65 + 4.27 \times 3.45 + 6.715 \times 6.4 + 1.45 \times 2.17 + 3.5 \times 6.15 = 94.57 \text{ ㎡}$
C1	$1.85 \times 5.75 + 5.3 \times 1.33 + 7.44 \times 9.6 + 1.15 \times 2.65 = 92.16 \text{ ㎡}$
C2	$2 \times 1.725 + 3.8 \times 4.97 + 2.45 \times 2.375 + 7.15 \times 5.675 + 3.78 \times 5.3 = 88.77 \text{ ㎡}$
D1	$1.675 \times 2.45 + 2.675 \times 4.235 + 3 \times 4.685 + 3.985 \times 2.775 + 3.225 \times 3.085 + 2.89 \times 2.055 + 7.145 \times 5.675 = 96.98 \text{ ㎡}$
D2	$4.21 \times 1 + 1.73 \times 1.45 + 8.49 \times 9.71 + 0.59 \times 1.65 + 5.35 \times 2 + 2.6 \times 0.4 = 101.87 \text{ ㎡}$
E1	$1.75 \times 1.45 + 4.3 \times 9.71 + 10.71 \times 3.26 = 79.21 \text{ ㎡}$
E2	$2.835 \times 1 + 4.86 \times 0.35 + 7.505 \times 9.71 + 1.75 \times 1.45 = 79.95 \text{ ㎡}$
F1	$2.515 \times 3.15 + 2.3 \times 1.05 + 1.885 \times 2 + 9.435 \times 5.65 = 67.42 \text{ ㎡}$
F2	$7.65 \times 1.85 + 6.5 \times 8.15 = 67.13 \text{ ㎡}$
小計:	1146.96 ㎡

陽合面積

A1	$1.0 \times 3.775 + 4.3 \times 1.3 = 9.37 \text{ ㎡}$
A2	$3.795 \times 1.0 + 1.95 \times 2.6 = 8.87 \text{ ㎡}$
A3	$3 \times 1.675 = 5.03 \text{ ㎡}$
B1	$3 \times 1.675 = 5.03 \text{ ㎡}$
B2	$2.425 \times 1 + 3.0 \times 1.35 = 6.48 \text{ ㎡}$
B3	$4.27 \times 1.675 + 3.35 \times 1.0 = 10.50 \text{ ㎡}$
C1	$1.11 \times 1.6 + 3.68 \times 1.675 + 3.25 \times 1.0 = 11.19 \text{ ㎡}$
C2	$2.97 \times 1.8 + 1.0 \times 3.37 = 8.72 \text{ ㎡}$
D1	$3.225 \times 1.675 + 1.0 \times 3.425 = 8.83 \text{ ㎡}$
D2	$1.525 \times 2.55 + 3.12 \times 1.2 = 7.63 \text{ ㎡}$
E1	$1.525 \times 2.55 + 3.12 \times 1.2 = 7.63 \text{ ㎡}$
E2	$2.92 \times 1.525 + 3.12 \times 1.2 = 8.20 \text{ ㎡}$
F1	$2.3 \times 1.525 = 3.51 \text{ ㎡}$
F2	$2 \times 1.425 + 1.925 \times 1.5 = 5.74 \text{ ㎡}$
A、B、C、D、E、F	$0.35 \times 1.5 + 1.35 \times 1.3 + 1.425 \times 14.675 + 1.35 \times 1.275 = 24.91 \text{ ㎡}$
D樓	$1.35 \times 1.85 = 2.50 \text{ ㎡}$
小計:	134.14 ㎡

樓面面積計算

A樓	$0.65 \times 1.05 + 3.4 \times 3.4 + 3.76 \times 2.68 = 22.32 \text{ ㎡}$
B樓	$0.82 \times 1.25 + 5.1 \times 2.6 = 14.29 \text{ ㎡}$
C樓	$2.25 \times 5.11 = 11.50 \text{ ㎡}$
D樓	$5.6 \times 2.51 = 14.06 \text{ ㎡}$
E樓	$2.4 \times 3.4 = 8.16 \text{ ㎡}$
F樓	$2.29 \times 4.05 = 9.27 \text{ ㎡}$
小計:	79.60 ㎡

樓面不足2M面積計算

A樓	$0.65 \times 1.05 = 0.68 \text{ ㎡}$
B樓	$0.82 \times 1.25 = 1.03 \text{ ㎡}$
小計:	1.71 ㎡

樓面面積計算

A樓	$5.075 \times 3.42 = 17.36 \text{ ㎡}$
B樓	$5.045 \times 3.42 = 17.25 \text{ ㎡}$
C樓	$1.11 \times 1.34 + 2.43 \times 3.46 + (4.57 + 3.13) \times 0.72/2 + 1.11 \times 1.98 + 4.57 \times 3.2 + 1.8 \times 1.85 = 32.77 \text{ ㎡}$
D樓	$2.7 \times 4.57 + 0.59 \times 1.05 + 0.35 \times 0.7 + 1.275 \times 0.38 + 4.09 \times 2.89 = 25.51 \text{ ㎡}$
E樓	$3.4 \times 2.59 + 2.15 \times 1.05 + 3.4 \times 3.17 = 21.84 \text{ ㎡}$
F樓	$2.325 \times 4.27 + 2.29 \times 3.6 = 18.17 \text{ ㎡}$
小計:	132.9 ㎡

升降機面積計算

A樓	$2.35 \times 2.15 = 5.05 \text{ ㎡}$
B樓	$2.4 \times 2.17 = 5.21 \text{ ㎡}$
E樓	$2.35 \times 2.15 = 5.05 \text{ ㎡}$
F樓	$2.1 \times 2 = 4.20 \text{ ㎡}$
小計:	19.51 ㎡

緊急升降機面積計算

A、B、C、D、E、F	$2.7 \times 2.5 = 6.75 \text{ ㎡}$
C樓	$2.45 \times 2.55 = 6.25 \text{ ㎡}$
D樓	$2.5 \times 2.45 = 6.13 \text{ ㎡}$
小計:	19.13 ㎡

排煙室面積計算

C樓	$4.5 \times 2.39 + 1.45 \times 0.4 = 11.34 \text{ ㎡}$
D樓	$2.45 \times 4.085 + 1.425 \times 1.15 = 11.65 \text{ ㎡}$
小計:	22.99 ㎡

設備間面積計算

A、B、C、D、E、F	$0.55 \times 1.65 \times 2 = 1.82 \text{ ㎡}$
D樓	$1.535 \times 2.45 = 3.76 \text{ ㎡}$
小計:	5.58 ㎡

二、面積計算檢討

樓地板面積檢討	$1146.96 + 79.60 + 132.9 + 19.51 + 19.13 + 22.99 + 5.58 = 1426.67 \text{ ㎡}$
陽合+樓面面積檢討	$134.14 \text{ ㎡} < 1426.67 \times 10\% = 142.67 \text{ ㎡} \text{ ...OK}$
排煙室+樓面面積檢討	$79.60 - 1.71 = 77.89 \text{ ㎡} < 1426.67 \times 10\% = 142.67 \text{ ㎡} \text{ ...OK}$
陽合+排煙室+樓面面積檢討	$134.14 + 77.89 = 212.03 \text{ ㎡} < 1426.67 \times 15\% = 214.00 \text{ ㎡} \text{ ...OK}$
設備間面積檢討	$132.9 + 19.13 + 22.99 + 5.58 = 180.6 \text{ ㎡}$
緊急升降機面積檢討	$1426.67 - 77.89 - 180.6 = 1168.18 \text{ ㎡}$
(備註) (備註)	

三、當層戶數檢討 14戶

四、緊急升降機設置檢討

本樓A、B、C、D、E、F共7層，高74.45M，避難層9層，高86.765M，避難層三層，高86.765M，避難層十七人，避難層分層0.05M，A、B、C、D、E、F共7層，高74.45M，避難層9層，高86.765M，避難層三層，高86.765M，避難層十七人，避難層分層0.05M	
A、B樓 (11~21層) - 設置緊急升降機	$(86.31 + 79.95 + 68.11 + 66.77 + 79.85 + 94.57) \times 11 = 5231.16 > 500 \text{ ㎡}$
C樓 (11~21層) - 設置緊急升降機	$(92.16 + 88.77) \times 11 = 1990.23 \text{ ㎡} > 500 \text{ ㎡}$
D樓 (11~19層) - 設置緊急升降機	$(96.98 + 101.87) \times 3 + (96.98 + 91.70) \times 6 = 1728.63 \text{ ㎡} > 500 \text{ ㎡}$
E樓 (11~13層) - 免設置	$(79.21 + 79.95) \times 3 = 477.48 \text{ ㎡} < 500 \text{ ㎡}$
F樓 (11~13層) - 免設置	$(67.42 + 67.13) \times 3 = 403.65 < 500 \text{ ㎡}$

五、排煙室面積檢討

A、B樓	$3.76 \times 2.68 = 10.08 \text{ ㎡} > 10.00 \text{ ㎡} \text{ ...OK}$
C樓	$4.5 \times 2.39 + 1.45 \times 0.4 = 11.34 \text{ ㎡} > 10.00 \text{ ㎡} \text{ ...OK}$
D樓	$2.45 \times 4.085 + 1.15 \times 1.425 = 11.65 \text{ ㎡} > 10.00 \text{ ㎡} \text{ ...OK}$

六、特別安全梯面積檢討

A、B樓	$(17.36 + 17.25 + 10.08) = 44.69 \text{ ㎡}$
>	$(77.83 + 71.87 + 59.98 + 58.64 + 71.44 + 85.35) \times 3\% = 12.75 \text{ ㎡}$
C樓	$(31.07 + 11.34) = 42.41 \text{ ㎡} > (82.94 + 78.75) \times 3\% = 4.85 \text{ ㎡}$
D樓	$(25.51 + 11.65) = 37.16 \text{ ㎡} > (89.55 + 93.27) \times 3\% = 5.48 \text{ ㎡}$

七、居室面積計算

廚房面積	
A1	$1.25 \times 0.45 + 1.575 \times 2.17 + 1.65 \times 2.725 = 8.48 \text{ ㎡}$
A2	$1.675 \times 2.175 + 1.675 \times 2.325 = 7.54 \text{ ㎡}$
A3	$1.775 \times 2.1 + 2.75 \times 1.6 = 8.13 \text{ ㎡}$
B1	$1.775 \times 2.1 + 2.75 \times 1.6 = 8.13 \text{ ㎡}$
B2	$1.5 \times 2.65 + 1.675 \times 2.85 = 8.41 \text{ ㎡}$
B3	$1.625 \times 2.4 + 1.6 \times 3.325 = 9.22 \text{ ㎡}$
C1	$1.625 \times 2.4 + 1.6 \times 3.325 = 9.22 \text{ ㎡}$
C2	$3.355 \times 1.6 + 2.695 \times 1.725 = 10.02 \text{ ㎡}$
D1	$2.3 \times 1.675 + 1.625 \times 2.2 = 7.43 \text{ ㎡}$
D2	$2.235 \times 3.85 = 8.60 \text{ ㎡}$
E1	$2.235 \times 3.85 = 8.60 \text{ ㎡}$
E2	$1.675 \times 0.35 + 1.81 \times 4.1 + 0.415 \times 2.36 = 8.99 \text{ ㎡}$
F1	$1.885 \times 2.025 + 1.825 \times 2.2 = 7.83 \text{ ㎡}$
F2	$1.675 \times 2.675 + 3.825 \times 1.325 = 9.55 \text{ ㎡}$
居室面積	
A1	$86.31 - 8.48 = 77.83 \text{ ㎡}$
A2	$77.6 - 7.54 = 70.06 \text{ ㎡}$
A3	$68.86 - 8.13 = 60.73 \text{ ㎡}$
B1	$66.77 - 8.13 = 58.64 \text{ ㎡}$
B2	$79.85 - 8.41 = 71.44 \text{ ㎡}$
B3	$94.57 - 9.22 = 85.35 \text{ ㎡}$
C1	$92.16 - 9.22 = 82.94 \text{ ㎡}$
C2	$88.77 - 10.02 = 78.75 \text{ ㎡}$
D1	$96.98 - 7.43 = 89.55 \text{ ㎡}$
D2	$101.87 - 8.60 = 93.27 \text{ ㎡}$
E1	$79.21 - 8.60 = 70.61 \text{ ㎡}$
E2	$79.95 - 8.99 = 70.96 \text{ ㎡}$
F1	$67.42 - 7.83 = 59.59 \text{ ㎡}$
F2	$67.13 - 9.55 = 57.58 \text{ ㎡}$

圖11-16 四層面積計算圖(S=1/300)