

八、步行距離檢討

步行距離

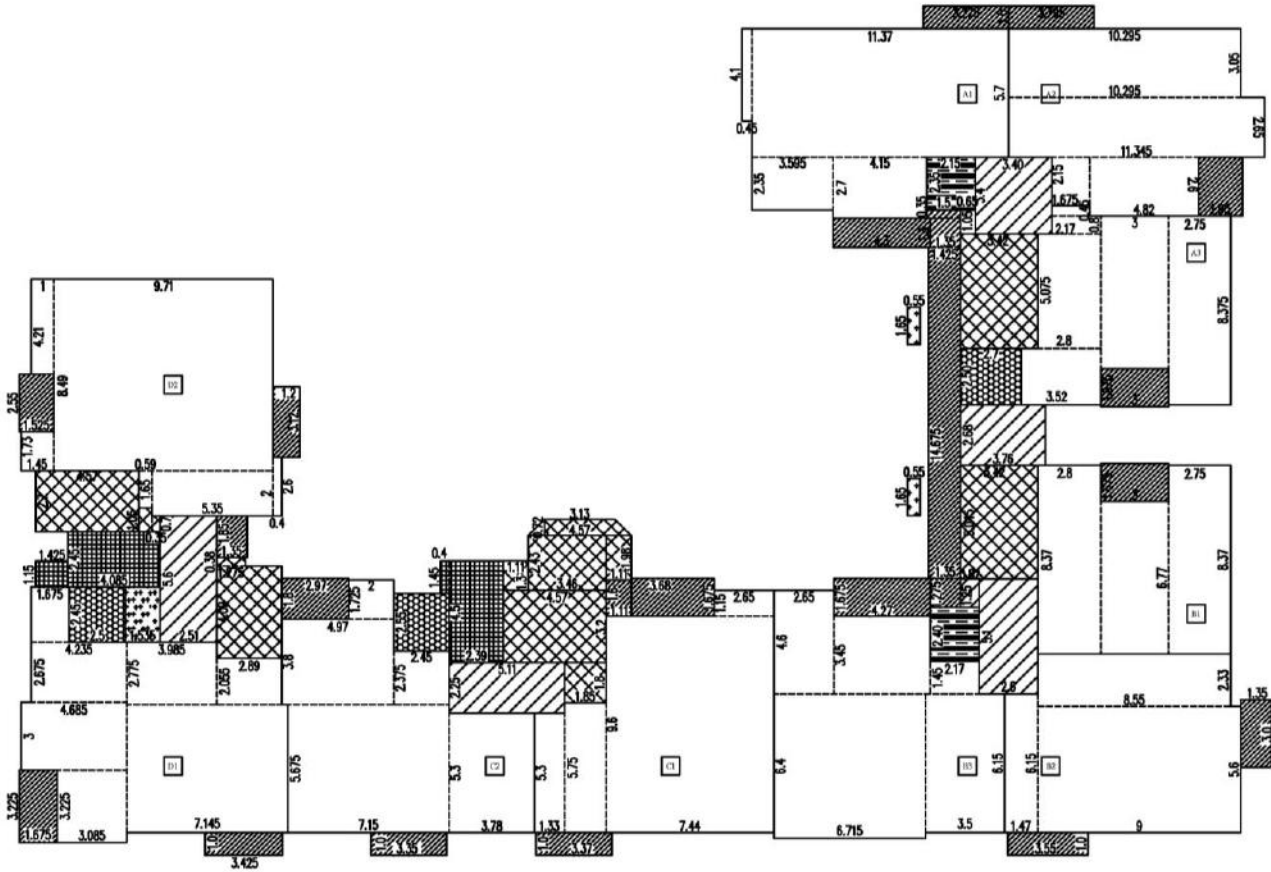
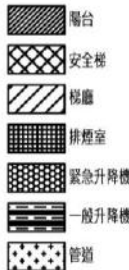
A1	$L=4.52+7.92+2.93+1.47+0.85=17.69M < 40M$
A2	$L=4.61+6.23+3.45+1.47+0.85=16.61M < 40M$
A3	$L=3.81+3.49+4.67+3.31+1.47+0.85=17.6M < 40M$
B1	$L=1.97+5.98+6.85+1.02+0.75=16.57M < 40M$
B2	$L=4.6+6.55+5.22+1.05+1.02+0.75=19.19M < 40M$
B3	$L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2M < 40M$
C1	$L=4.7+6.82+1.32+1.52=14.36M < 40M$
C2	$L=9.61+4.4=14.01M < 40M$
D1	$L=4.01+4.49+7.78+0.71=16.99M < 40M$
D2	$L=4.58+8.07+0.98=13.63M < 40M$

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	$L=4.58+8.07+0.98=13.63M < 20M$

九、採光面積檢討

A1	$2.4 \times 2.5 + 1 \times 1.75 + 2.2 \times 2.5 + 2.8 \times 2.5 + 2.8 \times 2.5 + 1 \times 1.75 = 29.00m^2 > 77.83/8 = 9.73 \dots OK$
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	$2.2 \times 2.5 + 2 \times 2.5 + 0.84 \times 2.5 + 1 \times 2.5 + 1.2 \times 1.5 = 16.90m^2 > 60.73/8 = 7.59 \dots OK$
B1	$2.4 \times 2.5 + 1.8 \times 2.5 + 0.84 \times 2.5 + 1 \times 2.5 + 1.4 \times 1.5 = 17.20m^2 > 58.64/8 = 7.33 \dots OK$
B2	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.2 \times 2.5 + 1.4 \times 1.8 + 1 \times 1.75 + 1.6 \times 1.4 = 24.01m^2 > 71.44/8 = 8.93 \dots OK$
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	$1.4 \times 1.5 + 2.8 \times 2.5 + 2.6 \times 2.5 + 2 \times 1.5 + 1.6 \times 1.5 = 21.00m^2 > 83.10/8 = 10.39 \dots OK$



一、十五層 各戶 樓地板面積計算

室內面積		
A1	$4.1 \times 0.45 + 3.595 \times 2.35 + 5.7 \times 11.37 + 4.15 \times 2.7 = 86.31m^2$	
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	$2 \times 1.725 + 3.8 \times 4.97 + 2.45 \times 2.375 + 7.15 \times 5.675 + 3.78 \times 5.3 = 88.77m^2$	
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	$3.26 \times 1 + 1.73 \times 1.45 + 7.54 \times 9.71 + 0.59 \times 1.85 + 5.35 \times 2 + 2.6 \times 0.4 = 91.70m^2$	
小計		$= 843.08m^2$

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	$1.35 \times 3.0 + 3.55 \times 1.0 = 7.60m^2$	
B3	$4.27 \times 1.675 = 7.15m^2$	
C1	$3.68 \times 1.675 + 1.11 \times 1.6 + 3.37 \times 1.0 = 11.31m^2$	
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	$1.525 \times 2.55 + 3.12 \times 1.2 = 7.63m^2$	
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		$= 106.93m^2$

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	$2.25 \times 5.11 = 11.50m^2$	
D 樓	$5.6 \times 2.51 = 14.06m^2$	
小計		$= 62.17m^2$

樓梯不足2M面積計算		
A 樓	$0.65 \times 1.05 = 0.68m^2$	
B 樓	$0.82 \times 1.25 = 1.03m^2$	
小計		$= 1.71m^2$

樓梯間面積計算		
A 樓	$5.075 \times 3.42 = 17.36m^2$	
B 樓	$5.045 \times 3.42 = 17.25m^2$	
C 樓	$1.11 \times 1.3 + 2.43 \times 3.46 + (4.57 + 3.13) \times 0.72/2 + 1.11 \times 1.98 + 4.57 \times 3.2 + 1.8 \times 1.85 = 32.77m^2$	
D 樓	$2.7 \times 4.57 + 0.59 \times 1.05 + 0.35 \times 0.7 + 1.275 \times 0.38 + 4.09 \times 2.89 = 25.51m^2$	
小計		$= 92.89m^2$

升降機面積計算		
A 樓	$2.35 \times 2.15 = 5.05m^2$	
B 樓	$2.4 \times 2.17 = 5.21m^2$	
小計		$= 10.26m^2$

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		$= 19.13m^2$

排煙室面積計算		
C 樓	$1.45 \times 2.79 + 2.39 \times 3.05 = 11.34m^2$	
D 樓	$2.45 \times 4.085 + 1.425 \times 1.15 = 11.65m^2$	
小計		$= 22.99m^2$

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	
$843.08 + 62.17 + 92.89 + 10.26 + 19.13 + 22.99 + 5.58 = 1056.10m^2$	
陽台免計容積面積檢討	
$106.93m^2 > 1056.10 \times 10\% = 105.61m^2$	
$106.93 - 105.61 = 1.32m^2$ (計入容積獎勵)	
樓梯免計容積面積檢討	
$62.17 - 1.71 = 60.46m^2 < 1056.10 \times 10\% = 105.61m^2 \dots OK$	
陽台+樓梯免計容積面積檢討	
$105.61 + 60.46 = 166.07m^2 > 1056.10 \times 15\% = 158.41m^2$	
$166.07 - 158.41 = 7.66m^2$ (計入容積獎勵)	
設備間面積檢討	
$92.89 + 19.13 + 22.99 + 5.58 = 140.59m^2$	
當層容積樓地板面積檢討 (陽台免計0%容積)	
$1057.81 - 60.46 - 140.59 + 7.66 + 1.32 = 865.74m^2$	
(原圖) (原圖) (原圖+陽台免計5%容積)	

三、當層戶數檢討 10戶

四、緊急升降機設置檢討

本案A,B,C樓為21層,高74.45M;D樓為9層,高27.65M,均屬超高层建筑,應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	
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	
$(92.16 + 88.77) \times 11 = 1990.23m^2 > 500m^2$	
D 樓 (11~19層) - 設置緊急升降機	
$(96.98 + 101.87) \times 3 + (96.98 + 91.70) \times 6 = 1728.63m^2 > 500m^2$	
E 樓 (11~13層) - 免設置	
$(79.21 + 79.95) \times 3 = 477.48m^2 < 500m^2$	
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	$(17.36 + 17.25 + 10.08) = 44.69m^2$
$> (86.31 + 79.95 + 68.11 + 66.77 + 79.85 + 94.57) \times 3\% = 14.27m^2$	
C 樓	$(31.07 + 11.34) = 42.41m^2 > (92.16 + 88.77) \times 3\% = 5.43m^2$
D 樓	$(25.51 + 11.65) = 37.16m^2 > (89.55 + 83.10) \times 3\% = 5.18m^2$

七、居室面積計算

廁所面積		
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	$3.35 \times 1.6 + 2.695 \times 1.725 = 10.02m^2$	
D1	$2.3 \times 1.675 + 1.625 \times 2.2 = 7.43m^2$	
D2	$2.235 \times 3.85 = 8.60m^2$	

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	$93.91 - 9.22 = 84.69m^2$	
C1	$92.16 - 9.22 = 82.94m^2$	
C2	$88.77 - 10.02 = 78.75m^2$	
D1	$96.98 - 7.43 = 89.55m^2$	
D2	$91.70 - 8.60 = 83.10m^2$	

圖11-36 十五層面積計算圖(S=1/300)

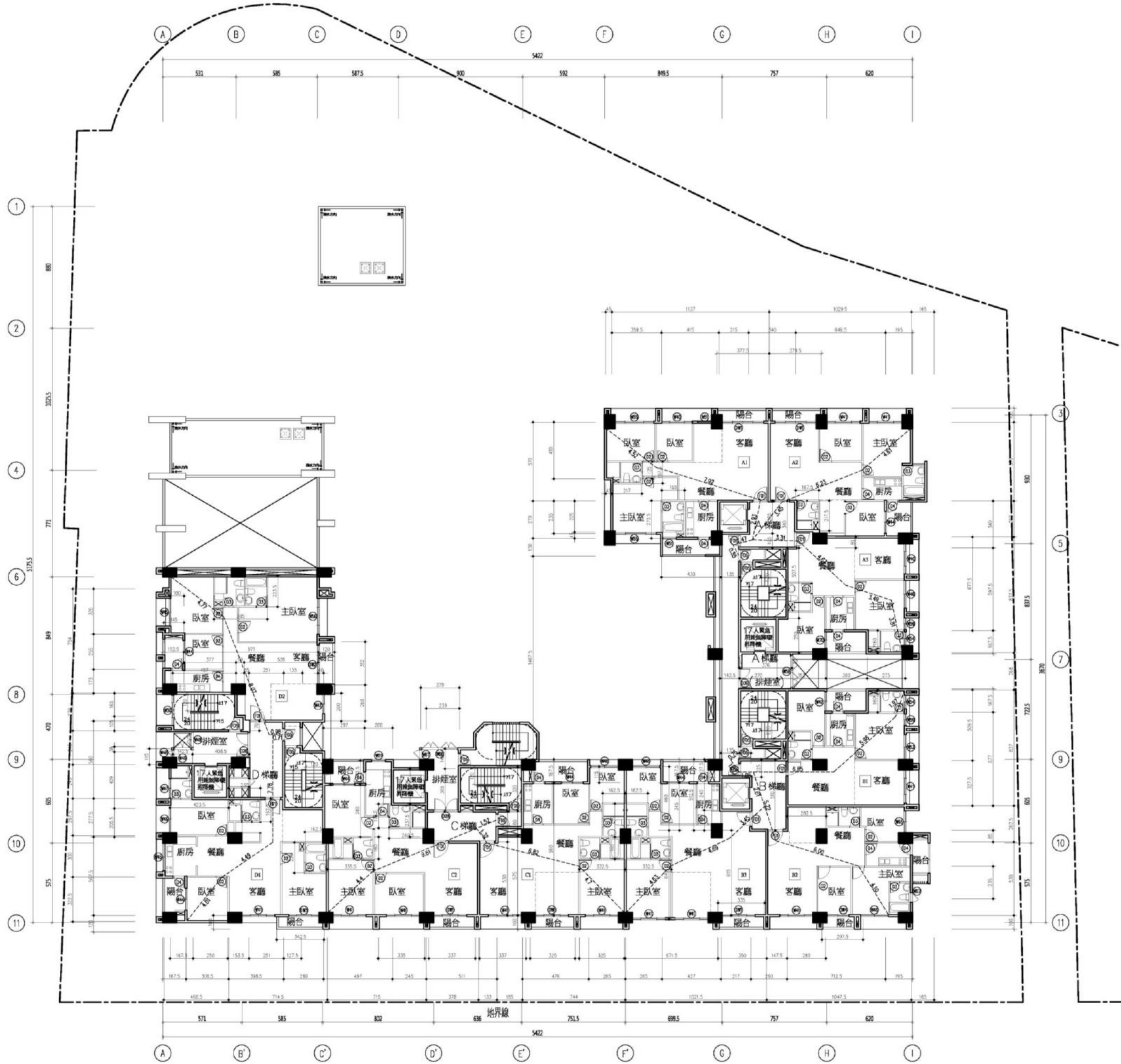


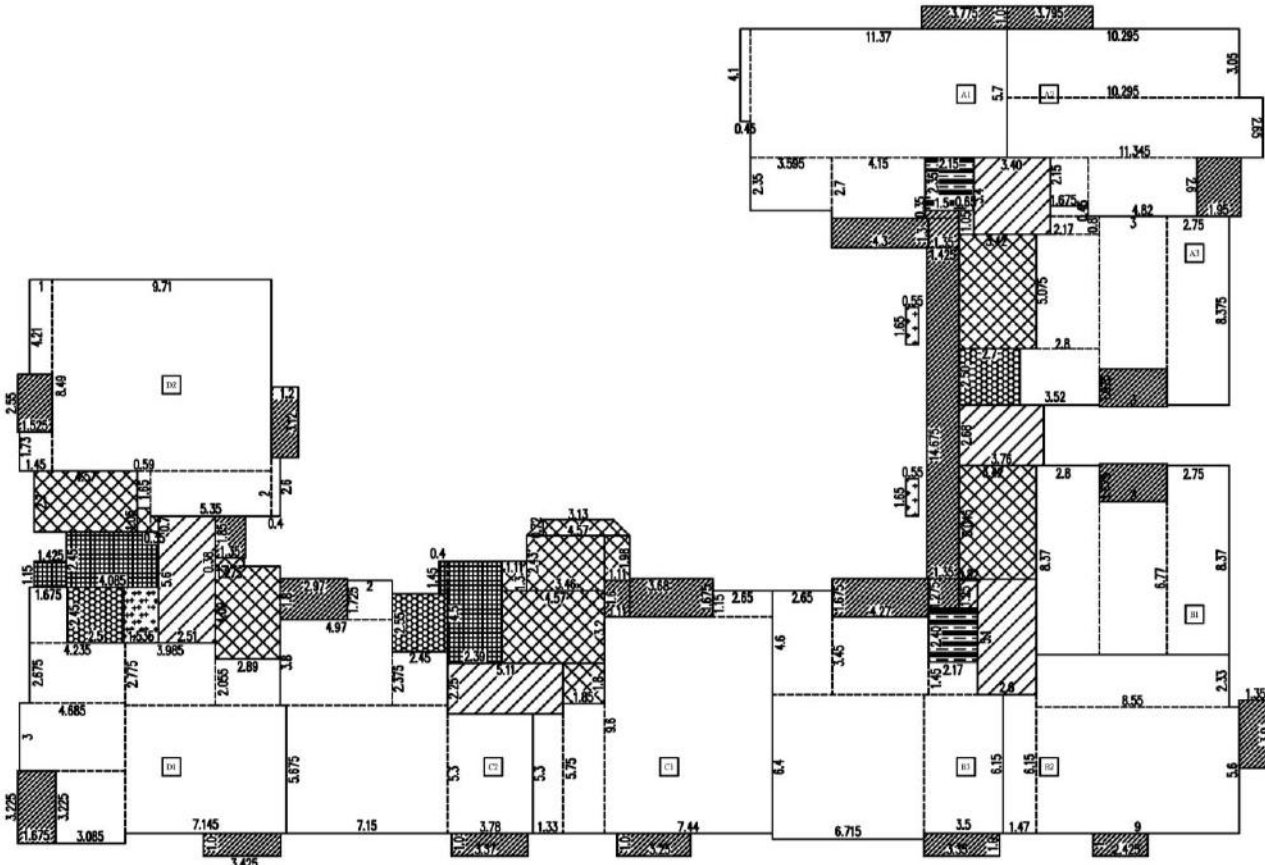
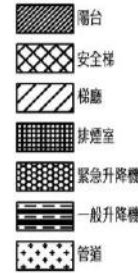
圖11-37 十六、十八層平面圖(S=1/300)

八、步行距離檢核

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	$L=4.58+8.07+0.98=13.63M < 40M$
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	$L=4.58+8.07+0.98=13.63M < 20M$

九、採光面積檢核

A1	$2.4 \times 2.5 + 1 \times 1.75 + 2.2 \times 2.5 + 2.8 \times 2.5 + 2.8 \times 2.5 + 1 \times 1.75 = 29.00 \text{ ㎡} > 77.83/8 = 9.73 \dots \text{OK}$
A2	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 0.9 \times 1.3 + 1.6 \times 1.5 = 21.57 \text{ ㎡} > 69.31/8 = 8.66 \dots \text{OK}$
A3	$2.2 \times 2.5 + 2 \times 2.5 + 0.84 \times 2.5 + 1 \times 2.5 + 1.2 \times 1.5 = 16.90 \text{ ㎡} > 60.73/8 = 7.59 \dots \text{OK}$
B1	$2.4 \times 2.5 + 1.8 \times 2.5 + 0.84 \times 2.5 + 1 \times 2.5 + 1.4 \times 1.5 = 17.20 \text{ ㎡} > 58.64/8 = 7.33 \dots \text{OK}$
B2	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.2 \times 2.5 + 1.4 \times 1.8 + 1 \times 1.75 + 1.6 \times 1.4 = 24.01 \text{ ㎡} > 71.44/8 = 8.93 \dots \text{OK}$
B3	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 2 \times 2.5 + 1.6 \times 1.5 = 25.40 \text{ ㎡} > 85.35/8 = 10.67 \dots \text{OK}$
C1	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 2 \times 2.5 + 1.6 \times 1.5 = 25.40 \text{ ㎡} > 82.94/8 = 10.37 \dots \text{OK}$
C2	$2.4 \times 2.5 + 2.4 \times 2.5 + 2.4 \times 2.5 + 1.6 \times 1.5 + 1 \times 1.75 = 22.15 \text{ ㎡} > 78.75/8 = 9.84 \dots \text{OK}$
D1	$2.2 \times 2.5 + 2.4 \times 2.5 + 1.6 \times 1.5 + 2 \times 1.5 + 2 \times 2.5 + 1.4 \times 2.5 = 25.40 \text{ ㎡} > 89.55/8 = 11.19 \dots \text{OK}$
D2	$1.4 \times 1.5 + 2.8 \times 2.5 + 2.6 \times 2.5 + 2 \times 1.5 + 1.6 \times 1.5 = 21.00 \text{ ㎡} > 83.10/8 = 10.39 \dots \text{OK}$



一、十六、十八層 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	$10.295 \times 3.05 + 11.345 \times 2.65 + 1.675 \times 2.15 + 2.6 \times 4.82 = 77.60 \text{ ㎡}$
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	$3.26 \times 1 + 1.73 \times 1.45 + 7.54 \times 9.71 + 0.59 \times 1.65 + 5.35 \times 2 + 2.6 \times 0.4 = 91.70 \text{ ㎡}$
小計	$= 843.08 \text{ ㎡}$

陽台面積	
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	$3.68 \times 1.675 + 1.11 \times 1.6 + 3.25 \times 1.0 = 11.19 \text{ ㎡}$
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	$1.525 \times 2.55 + 3.12 \times 1.2 = 7.63 \text{ ㎡}$
A,B 樓	$0.35 \times 1.5 + 1.35 \times 1.3 + 1.425 \times 14.675 + 1.35 \times 1.275 = 24.91 \text{ ㎡}$
D 樓	$1.35 \times 1.85 = 2.50 \text{ ㎡}$
小計	$= 109.06 \text{ ㎡}$

梯廳面積計算	
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	$5.6 \times 2.51 = 14.06 \text{ ㎡}$
小計	$= 62.17 \text{ ㎡}$

梯廳不足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	$= 1.71 \text{ ㎡}$

樓梯面積計算	
A 樓	$5.075 \times 3.42 = 17.36 \text{ ㎡}$
B 樓	$5.045 \times 3.42 = 17.25 \text{ ㎡}$
C 樓	$1.11 \times 1.3 + 2.43 \times 3.46 + (4.57 + 3.13) \times 0.72/2 + 1.11 \times 1.98 + 4.57 \times 3.2 + 1.8 \times 1.85 = 32.77 \text{ ㎡}$
D 樓	$2.7 \times 4.57 + 0.59 \times 1.05 + 0.35 \times 0.7 + 1.275 \times 0.38 + 4.09 \times 2.89 = 25.51 \text{ ㎡}$
小計	$= 92.89 \text{ ㎡}$

升降機面積計算	
A 樓	$2.35 \times 2.15 = 5.05 \text{ ㎡}$
B 樓	$2.4 \times 2.17 = 5.21 \text{ ㎡}$
小計	$= 10.26 \text{ ㎡}$

緊急升降機面積計算	
A,B 樓	$2.7 \times 2.5 = 6.75 \text{ ㎡}$
C 樓	$2.45 \times 2.55 = 6.25 \text{ ㎡}$
D 樓	$2.5 \times 2.45 = 6.13 \text{ ㎡}$
小計	$= 19.13 \text{ ㎡}$

排煙室面積計算	
C 樓	$1.45 \times 2.79 + 2.39 \times 3.05 = 11.34 \text{ ㎡}$
D 樓	$2.45 \times 4.085 + 1.425 \times 1.15 = 11.65 \text{ ㎡}$
小計	$= 22.99 \text{ ㎡}$

設備間面積計算	
A,B 樓	$0.55 \times 1.65 \times 2 = 1.82 \text{ ㎡}$
D 樓	$1.535 \times 2.45 = 3.76 \text{ ㎡}$
小計	$= 5.58 \text{ ㎡}$

二、面積計算檢核

樓地板面積檢核	
843.08 + 62.17 + 92.89 + 10.26 + 19.13 + 22.99 + 5.58	$= 1056.10 \text{ ㎡}$
陽台免計容積面積檢核	
109.06 ㎡	$> 1056.10 \times 10\% = 105.61 \text{ ㎡}$
109.06 - 105.61 = 3.45 ㎡	(計入容積率)
梯廳免計容積面積檢核	
62.17 - 1.71 = 60.46 ㎡	$< 1056.10 \times 10\% = 105.61 \text{ ㎡} \dots \text{OK}$
陽台 + 梯廳免計容積面積檢核	
105.61 + 60.46 = 166.07 ㎡	$> 1056.10 \times 15\% = 158.42 \text{ ㎡}$
166.07 - 158.42 = 7.65 ㎡	(計入容積率)
設備間面積檢核	
92.89 + 19.13 + 22.99 + 5.58 = 140.59 ㎡	
當層容積樓地板面積檢核 (陽台免計0%部分)	
1059.55 - 60.46 - 140.59 + 7.65 + 3.45 = 869.60 ㎡	(陽台) (梯廳) (陽台+梯廳免計0%部分)

三、當層戶數檢核 10戶

四、緊急升降機設置檢核

本區A,B,C樓21層,高度74.45M;D樓19層,高度67.65M;D樓,每層高度3.5M,梯廳高度1.05公尺	
A,B 樓 (11~21層) - 設置緊急升降機	$(86.31 + 79.95 + 68.11 + 66.77 + 79.85 + 94.57) \times 11 = 5231.16 > 500 \text{ ㎡}$
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	$(67.42 + 67.13) \times 3 = 403.65 \text{ ㎡} < 500 \text{ ㎡}$

五、排煙室面積檢核

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

六、特別安全梯面積檢核

A,B 樓	$(17.36 + 17.25 + 10.08) = 44.69 \text{ ㎡}$
>	$(86.31 + 79.95 + 68.11 + 66.77 + 79.85 + 94.57) \times 3\% = 14.27 \text{ ㎡}$
C 樓	$(31.07 + 11.34) = 42.41 \text{ ㎡} > (92.16 + 88.77) \times 3\% = 5.43 \text{ ㎡}$
D 樓	$(25.51 + 11.65) = 37.16 \text{ ㎡} > (89.55 + 83.10) \times 3\% = 5.18 \text{ ㎡}$

七、居室面積計算

居室面積	
A1	$1.25 \times 0.45 + 1.575 \times 2.17 + 1.65 \times 2.725 = 8.48 \text{ ㎡}$
A2	$1.675 \times 2.625 + 2.325 \times 1.675 = 8.29 \text{ ㎡}$
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	$1.5 \times 2.65 + 1.675 \times 2.65 = 8.41 \text{ ㎡}$
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	$2.235 \times 3.85 = 8.60 \text{ ㎡}$
居室面積	
A1	$86.31 - 8.48 = 77.83 \text{ ㎡}$
A2	$77.6 - 8.29 = 69.31 \text{ ㎡}$
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	$93.91 - 9.22 = 84.69 \text{ ㎡}$
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	$91.70 - 8.60 = 83.10 \text{ ㎡}$

圖11-38 十六、十八層面積計算圖(S=1/300)

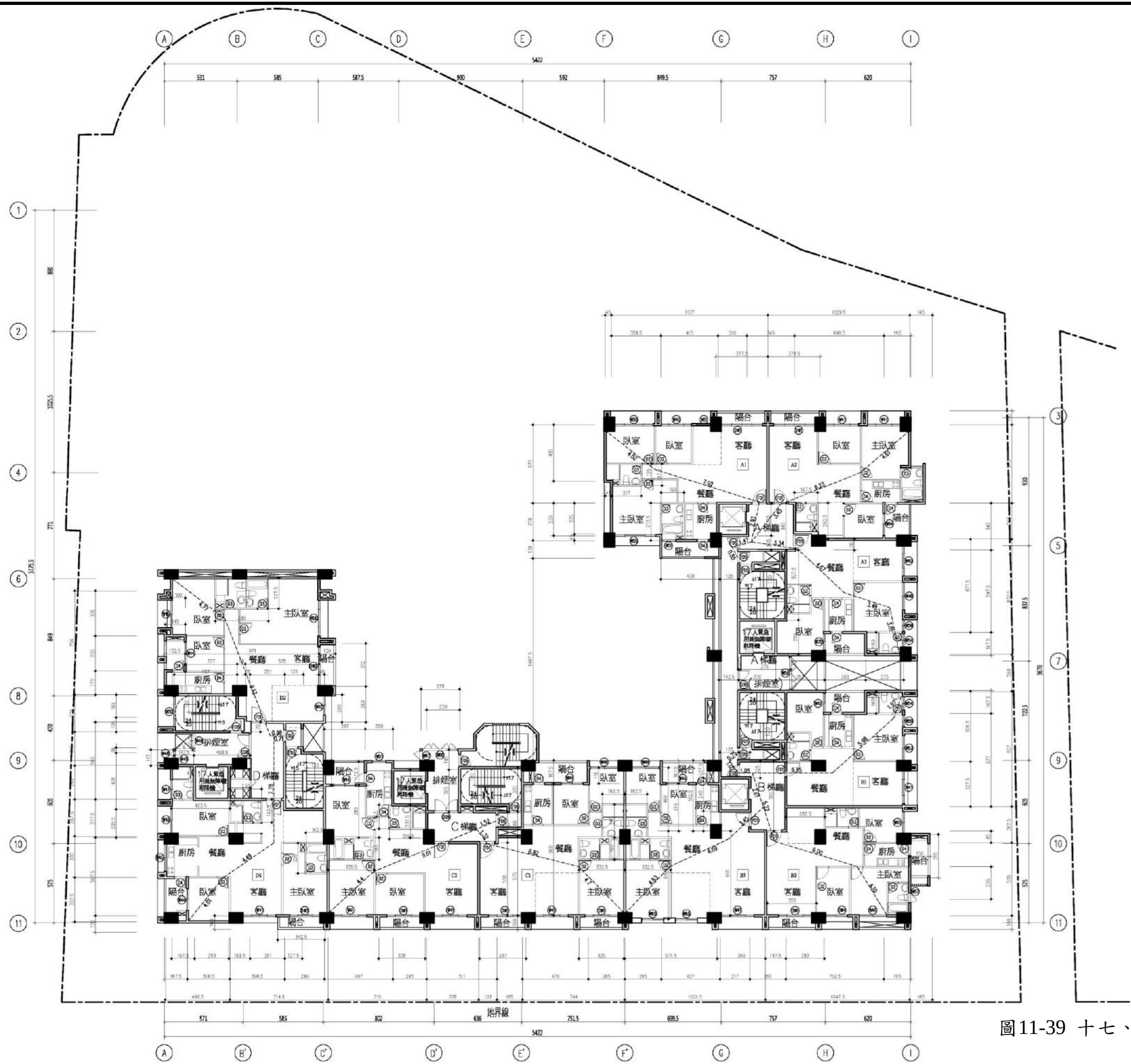
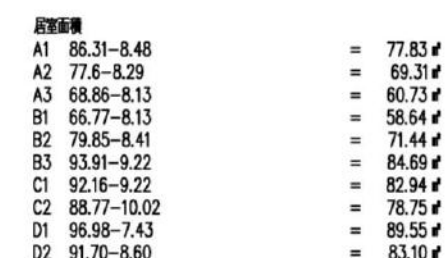


圖11-39 十七、十九層平面圖(S=1/300)



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