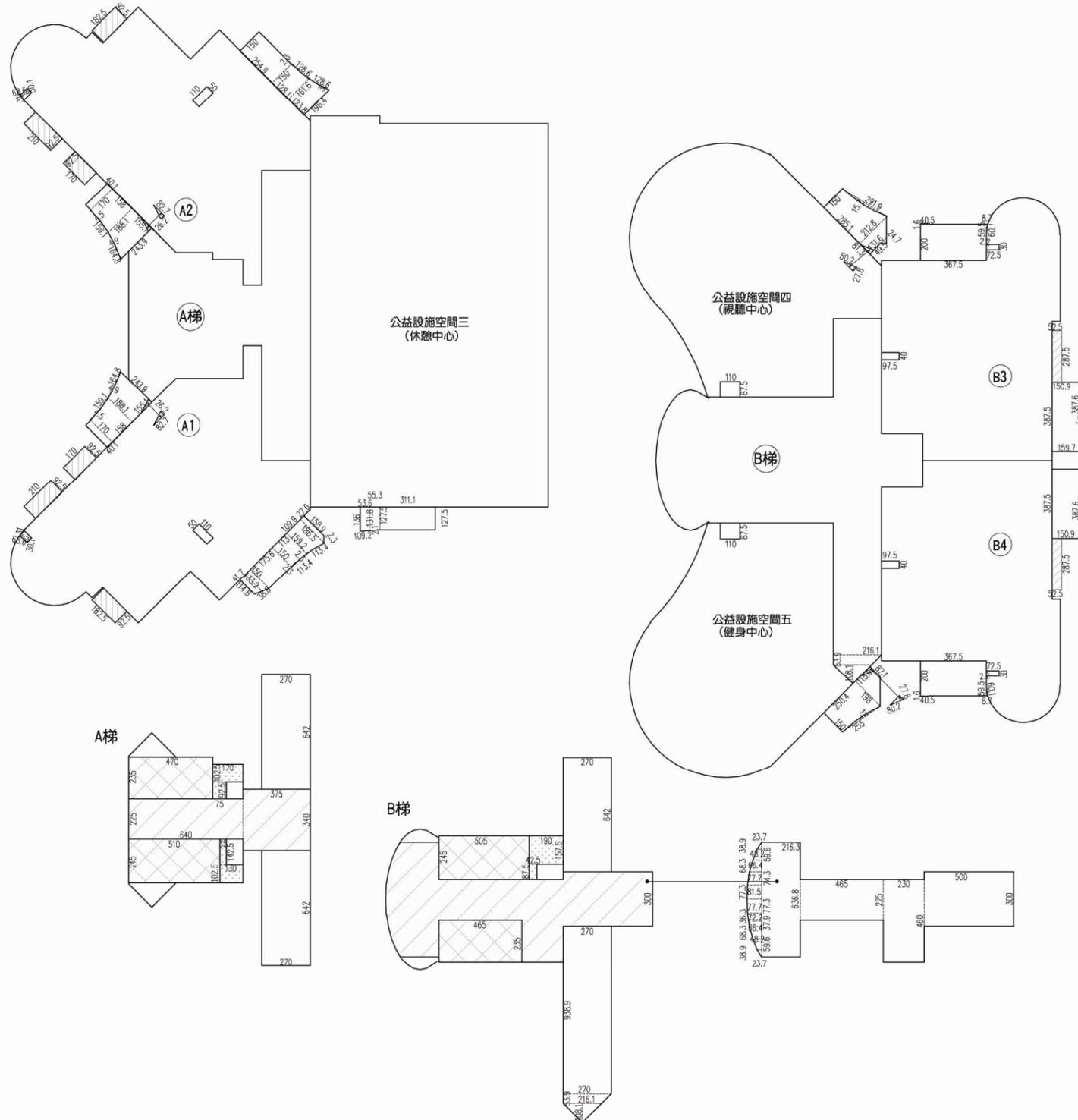


三. 參層 陽台、雨遮、梯廳、升降機、安全梯、管道面積



陽台面積

A1 (1.148+1.332)\*0.417/2+(1.332+1.5)\*0.388/2  
 +1.756\*1.5+(1.592+1.5)\*1.13/2  
 +(1.865+1.592)\*1.099/2+(1.589+1.865)\*0.276/2  
 -1.134\*0.023\*2/3\*2=7.79m<sup>2</sup>

1.7\*0.401+(1.7+1.881)\*1.58/2+(1.881+2.439)\*1.551/2  
 -1.591\*0.045\*2/3-1.648\*0.049\*2/3=6.76m<sup>2</sup>

陽台過二米 0.827\*0.262/2=0.11m<sup>2</sup>  
 7.79+6.76-0.11=14.44m<sup>2</sup>

A2 2.549\*1.5+(1.5+1.616)\*1.281/2+(1.616+1.964)\*1.238/2  
 -1.286\*0.023\*2/3-1.286\*0.03\*2/3=7.99m<sup>2</sup>

1.7\*0.401+(1.7+1.881)\*1.58/2+(1.881+2.439)\*1.551/2  
 -1.591\*0.045\*2/3-1.648\*0.049\*2/3=6.76m<sup>2</sup>

陽台過二米 0.827\*0.262/2=0.11m<sup>2</sup>  
 7.99+6.76-0.11=14.64m<sup>2</sup>

公益設施空間三 (休息中心)  
 (1.36+1.318)\*0.536/2+(1.318+1.275)\*0.553/2  
 +3.111\*1.275-1.092\*0.021\*2/3=5.39m<sup>2</sup>

公益設施空間四 (視聽中心)  
 (1.5+2.128)\*2.851/2+(2.128+1.316)\*0.813/2  
 +0.247\*0.495/2-2.919\*0.157\*2/3=6.33m<sup>2</sup>  
 陽台過二米 0.802\*0.278/2=0.11m<sup>2</sup>  
 6.33-0.11=6.22m<sup>2</sup>

公益設施空間五 (健身中心)  
 (0.821+1.98)\*1.159/2+(1.98+1.5)\*2.504/2  
 -2.55\*0.12\*2/3=5.78m<sup>2</sup>  
 陽台過二米 0.802\*0.278/2=0.11m<sup>2</sup>  
 5.78-0.11=5.67m<sup>2</sup>

B3 3.675\*2+0.405\*0.016/2+0.087\*0.595/2  
 -0.601\*0.022\*2/3  
 +(1.509+1.597)\*3.875/2+0.031\*3.876\*2/3=13.47m<sup>2</sup>

B4 3.675\*2+0.405\*0.016/2+0.087\*0.595/2  
 -0.601\*0.022\*2/3  
 +(1.509+1.597)\*3.875/2+0.031\*3.876\*2/3=13.47m<sup>2</sup>

合計 73.3m<sup>2</sup>

雨遮面積

A1 (1.7+2.1+1.825)\*0.925=5.2m<sup>2</sup>  
 A2 (1.7+2.1+1.825)\*0.925=5.2m<sup>2</sup>  
 B3 0.525\*2.875=1.51m<sup>2</sup>  
 B4 0.525\*2.875=1.51m<sup>2</sup>

合計 13.42m<sup>2</sup>

梯廳

A梯: 6.4\*2.25+3.75\*3.4=27.15m<sup>2</sup>  
 B梯: 0.237\*0.389/2+(0.237+0.482)\*0.596/2  
 +(0.482+0.664)\*0.683/2+(0.664+0.777)\*0.743/2  
 +(0.777+0.815)\*0.773/2+(0.815+0.777)\*0.773/2  
 +(0.777+0.722)\*0.363/2+(0.722+0.664)\*0.379/2  
 +(0.664+0.482)\*0.683/2+(0.482+0.237)\*0.596/2  
 +0.237\*0.389/2+2.163\*6.368+4.65\*2.25  
 +2.3\*4.6+5\*3=53.42m<sup>2</sup>

合計=80.57m<sup>2</sup>

緊急升降機

A梯: 4.7\*2.35+5.1\*2.45=23.54m<sup>2</sup>  
 B梯: 5.05\*2.45+4.65\*2.35=23.3m<sup>2</sup>

合計=46.84m<sup>2</sup>

安全梯

A梯: (2.7\*6.42)\*2=34.67m<sup>2</sup>  
 B梯: 2.7\*6.42+2.7\*9.389+(2.7+2.161)\*0.539/2  
 +2.161\*1.081/2=45.16m<sup>2</sup>

合計=79.83m<sup>2</sup>

管道

A梯 1.7\*1.025+0.75\*0.925  
 +0.35\*1.425+1.3\*1.025=4.27m<sup>2</sup>  
 B梯 1.9\*1.575+0.425\*0.875=3.36m<sup>2</sup>

合計=7.63m<sup>2</sup>

室內管道計入設備空間

A1 (0.31+0.301)\*0.686/2+1.1\*0.5=0.76m<sup>2</sup>  
 A2 (0.31+0.301)\*0.686/2+1.1\*0.5=0.76m<sup>2</sup>  
 B3 0.975\*0.4+0.725\*0.3=0.61m<sup>2</sup>  
 B4 0.975\*0.4+0.725\*0.3=0.61m<sup>2</sup>

公益設施空間四 1.1\*0.875=0.96m<sup>2</sup>

公益設施空間五 1.1\*0.875=0.96m<sup>2</sup>

合計=4.66m<sup>2</sup>

四. 參層 容積樓地板面積計算及檢討

陽台面積檢討

73.3m<sup>2</sup> < 1298.43X10%=129.84m<sup>2</sup>

梯廳免計面積檢討

80.57m<sup>2</sup> < 1298.43X10%=129.84m<sup>2</sup>

陽台+梯廳面積檢討

73.3+80.57=153.87m<sup>2</sup> < 1298.43X15%=194.76m<sup>2</sup>

當層容積樓地板面積

1298.43-80.57-4.66-79.83-46.84-7.63

梯廳 管道 安全梯 緊急 升降機

-287.47-140.49-129.99=520.95m<sup>2</sup>

公益三 公益四 公益五

圖 11-17 三層面積計算圖(二)

S=1:300



圖 11-18 四層平面圖 S=1:300

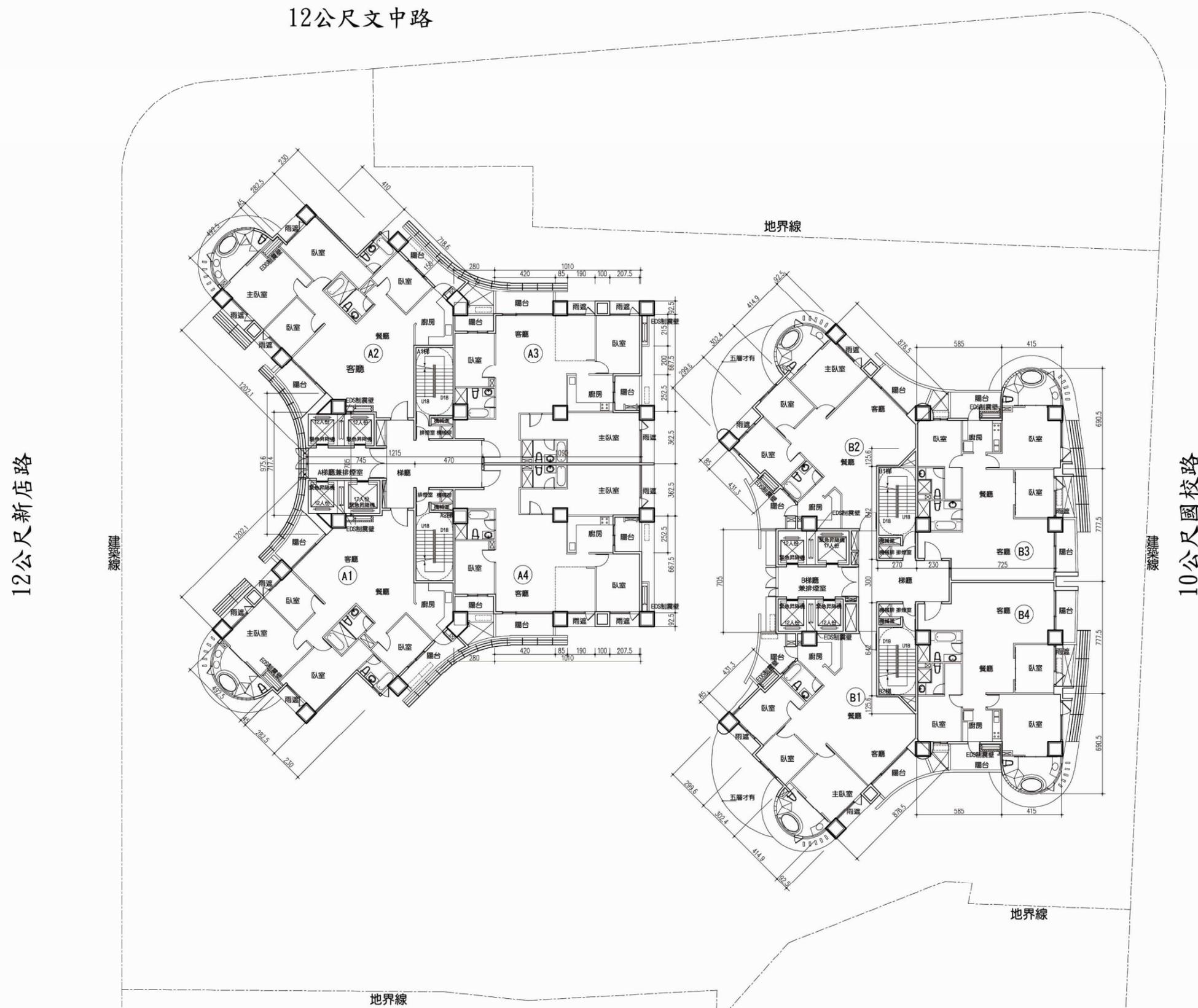


圖 11-19 五至十一層平面圖

S=1:300

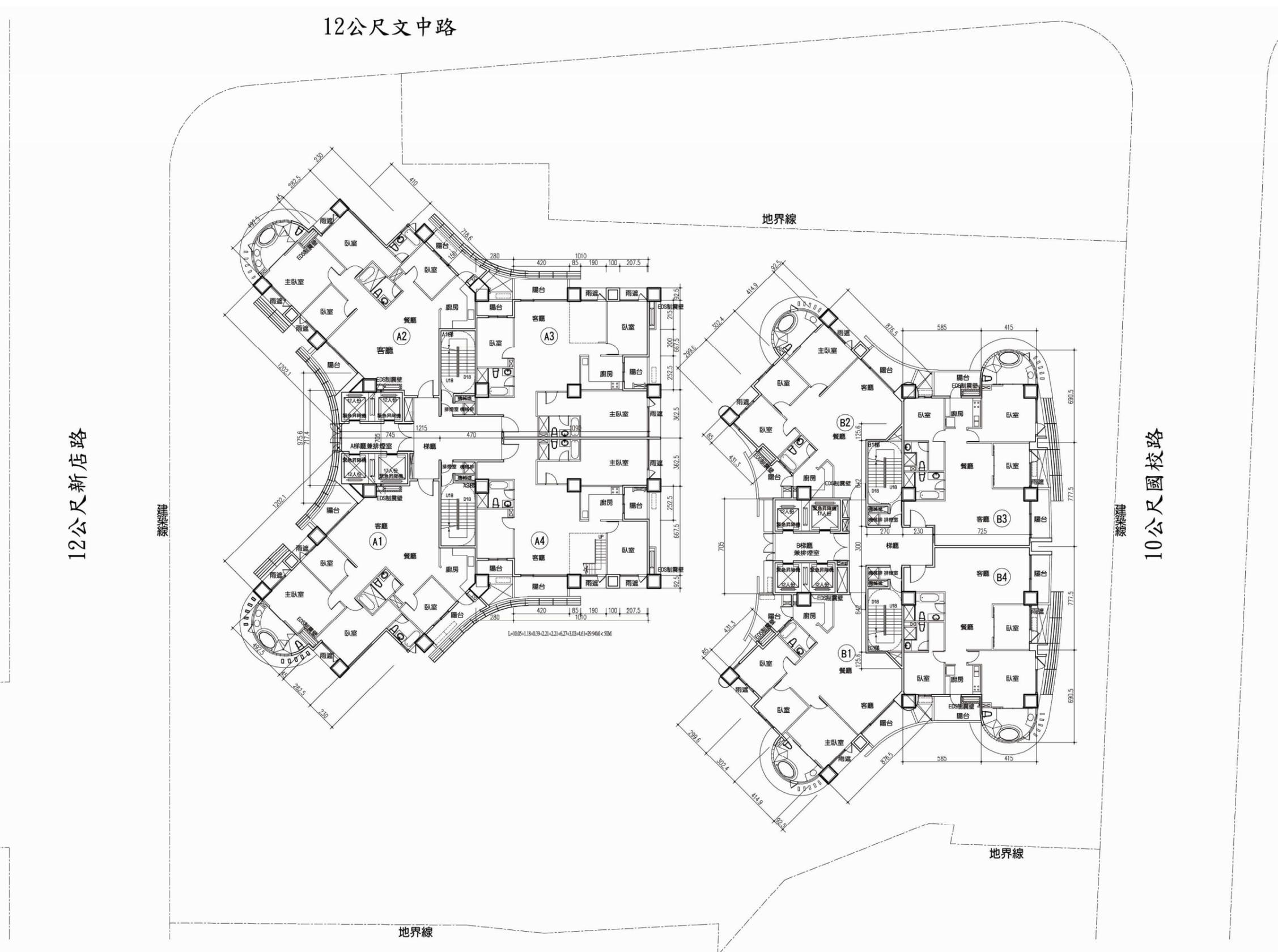


圖 11-19-1 十二層平面圖 S=1:300

一. 肆~拾貳層 各層樓地板面積

室內面積

- A1  $5.375 \times 0.85 + 8.2 \times 4.1 + 7.425 \times 7.425 / 2 + (7.425 + 2.343) \times 5.081 / 2$   
 $+ (9.806 + 4.806) \times 5 / 2 + 2.7 \times 0.405 + 2.35 \times 0.4 + 4.924 \times 2.538 / 2$   
 $+ 3.536 \times 0.747 / 2 + 3.536 \times 0.748 / 2 + 1.92 \times 0.195 \times 2 / 3 \times 2$   
 $+ (0.194 + 0.195) \times 1.919 \times 2 / 3 = 139.02 \text{ m}^2$   
 陽台過二米  
 $0.827 \times 0.262 / 2 = 0.11 \text{ m}^2$   
 小計  $139.02 + 0.11 = 139.13 \text{ m}^2$
- A2  $5.375 \times 0.85 + 8.2 \times 4.1 + 7.425 \times 7.425 / 2 + (7.425 + 2.343) \times 5.081 / 2$   
 $+ (9.806 + 4.806) \times 5 / 2 + 2.7 \times 0.405 + 2.75 \times 0.4 + 4.924 \times 2.538 / 2$   
 $+ 3.536 \times 0.747 / 2 + 3.536 \times 0.748 / 2 + 1.92 \times 0.195 \times 2 / 3 \times 2$   
 $+ (0.194 + 0.195) \times 1.919 \times 2 / 3 = 139.18 \text{ m}^2$   
 陽台過二米  
 $0.827 \times 0.262 / 2 = 0.11 \text{ m}^2$   
 小計  $139.18 + 0.11 = 139.29 \text{ m}^2$
- A3  $2 \times 7.4 + 8.25 \times 1.2 + 9.05 \times 9.1 + 1.85 \times (4.15 + 3.625) = 121.44 \text{ m}^2$
- A4  $2 \times 7.4 + 8.25 \times 1.2 + 9.05 \times 9.1 + 1.85 \times (4.15 + 3.625) = 121.44 \text{ m}^2$
- B1  $1.622 \times 0.165 \times 2 / 3 \times 4 + 2.987 \times 0.634 / 2 \times 2 + 4.149 \times 2.15 / 2$   
 $+ 8.765 \times 2.989 + (2.989 + 1.776) \times 1.212 / 2 + 0.849 \times 4.184$   
 $+ 4.313 \times 7.181 + 6.755 \times 1.608 + (1.885 + 5.94) \times 4.054 / 2$   
 $+ (5.94 + 4.395) \times 1.546 / 2 + (2.186 + 3.208) \times 1.021 / 2 = 108.14 \text{ m}^2$

陽台過二米

$(0.585 + 0.664) \times 3.228 / 2 + 0.024 \times 3.064 / 2 + 0.802 \times 0.278 / 2$   
 $- 3.064 \times 0.138 \times 2 / 3 = 1.88 \text{ m}^2$

小計  $108.14 + 1.88 = 110.02 \text{ m}^2$

- B2  $1.622 \times 0.165 \times 2 / 3 \times 4 + 2.987 \times 0.634 / 2 \times 2 + 4.149 \times 2.15 / 2$   
 $+ 8.765 \times 2.989 + (2.989 + 1.776) \times 1.212 / 2 + 0.849 \times 4.184$   
 $+ 4.313 \times 7.181 + 6.755 \times 1.608 + (1.885 + 5.94) \times 4.054 / 2$   
 $+ (5.94 + 4.395) \times 1.546 / 2 + (2.186 + 3.208) \times 1.021 / 2 = 108.14 \text{ m}^2$

陽台過二米

$(0.585 + 0.664) \times 3.228 / 2 + 0.024 \times 3.064 / 2 + 0.802 \times 0.278 / 2$   
 $- 3.064 \times 0.138 \times 2 / 3 = 1.88 \text{ m}^2$

小計  $108.14 + 1.88 = 110.02 \text{ m}^2$

- B3  $1.588 \times 0.158 \times 2 / 3 \times 4 + 2.934 \times 0.608 + 2.075 \times 4.15 / 2$   
 $+ 1.405 \times 4.15 + 10 \times 3.425 + 9.55 \times 6.275 + 7.25 \times 1.5 = 117.64 \text{ m}^2$
- B4  $1.588 \times 0.158 \times 2 / 3 \times 4 + 2.934 \times 0.608 + 2.075 \times 4.15 / 2$   
 $+ 1.405 \times 4.15 + 10 \times 3.425 + 9.55 \times 6.275 + 7.25 \times 1.5 = 117.64 \text{ m}^2$

合計 =  $976.62 \text{ m}^2$

樓電梯間

A梯  $(7.174 + 9.756) \times 1.291 / 2 + (9.756 + 7.05) \times 1.353 / 2$   
 $+ (2.056 + 2.456) \times 0.4 + 2.7 \times 4.995 \times 2 + 7.506 \times 6.25$   
 $+ 2 \times 3.4 = 104.79 \text{ m}^2$

B梯  $6.95 \times 7.05 + 2.7 \times 15.84$   
 $+ 1.256 \times 1.256 / 2 \times 2 + 2.3 \times 3 = 100.24 \text{ m}^2$

合計 =  $205.03 \text{ m}^2$

二. 肆~拾貳層 各層樓地板面積

$976.62 + 205.03 = 1181.65 \text{ m}^2$

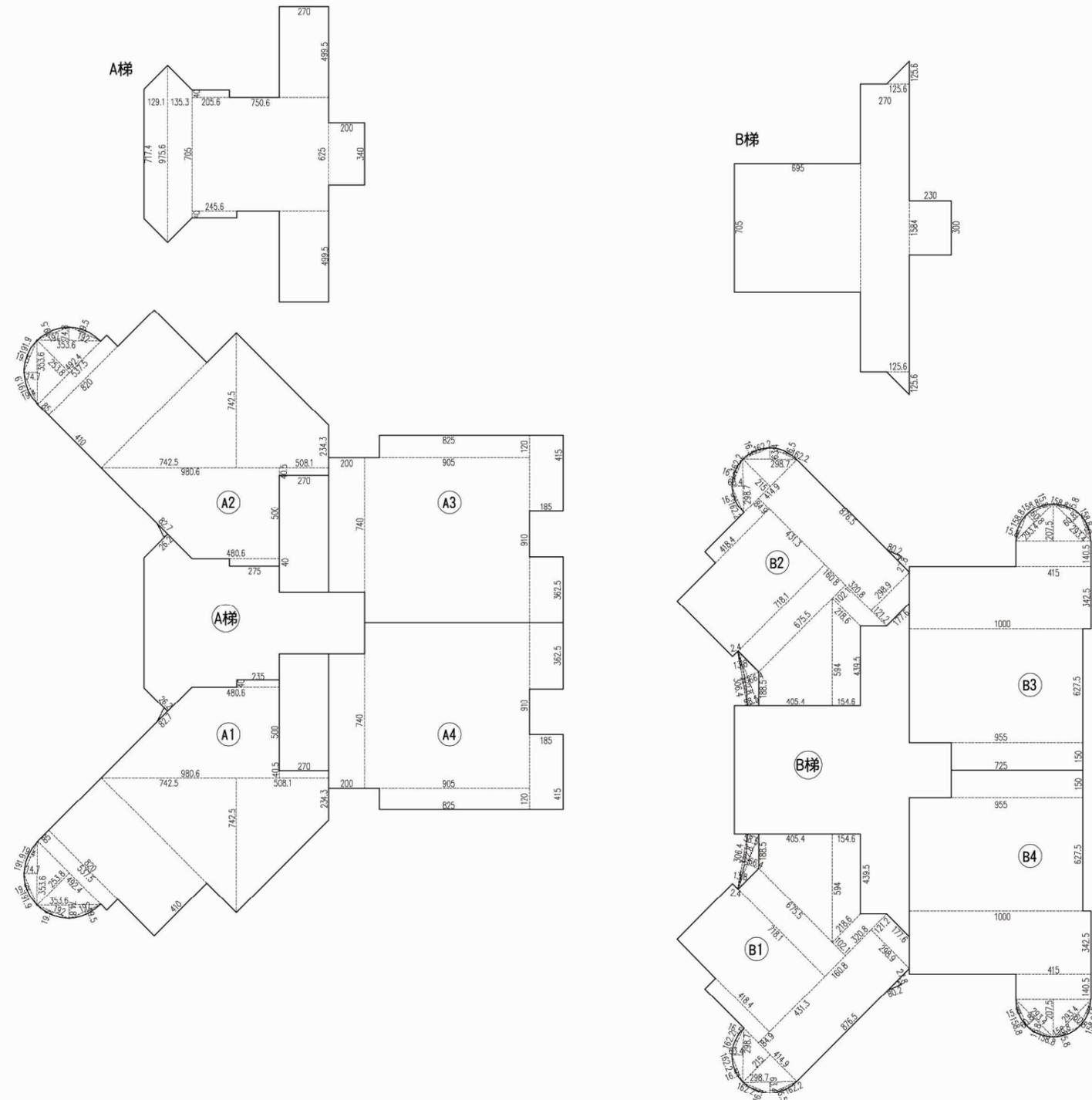
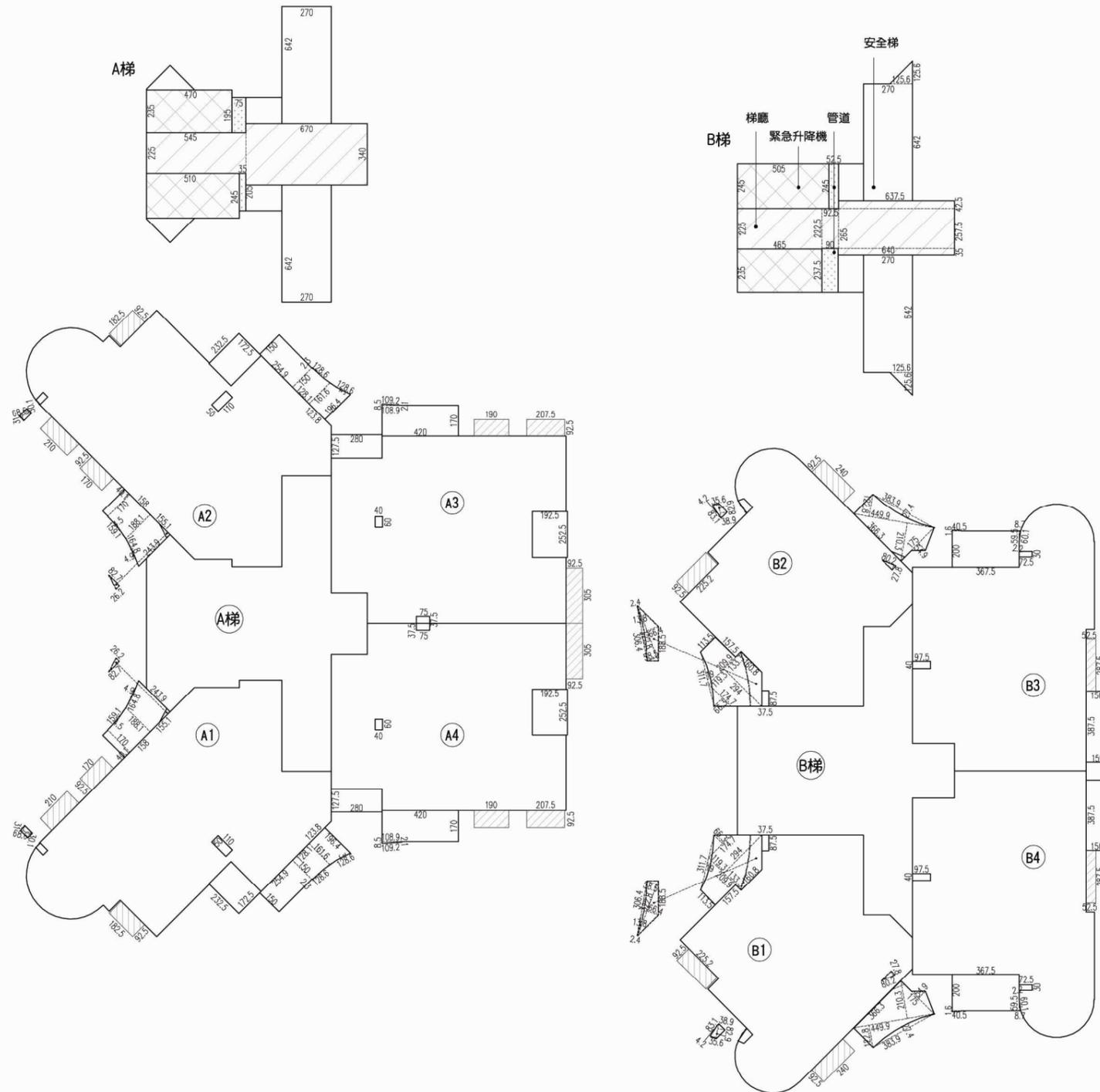


圖 11-20 四至十二層面積計算圖(一)

S=1:300

三、肆~拾貳層 各層陽台、雨遮、梯廳、升降機、安全梯、管道 面積計算



陽台

A1  $2.549 \times 1.5 + (1.5 + 1.616) \times 1.281/2 + (1.616 + 1.964) \times 1.238/2 - 1.286 \times 0.023 \times 2/3 - 1.286 \times 0.03 \times 2/3 = 7.99 \text{ m}^2$

$1.7 \times 0.401 + (1.7 + 1.881) \times 1.58/2 + (1.881 + 2.439) \times 1.551/2 - 1.591 \times 0.045 \times 2/3 - 1.648 \times 0.049 \times 2/3 = 6.76 \text{ m}^2$

陽台過二米  $0.827 \times 0.262/2 = 0.11 \text{ m}^2$   
 $7.99 + 6.76 - 0.11 = 14.64 \text{ m}^2$

小計=14.64m<sup>2</sup>

A2  $2.549 \times 1.5 + (1.5 + 1.616) \times 1.281/2 + (1.616 + 1.964) \times 1.238/2 - 1.286 \times 0.023 \times 2/3 - 1.286 \times 0.03 \times 2/3 = 7.99 \text{ m}^2$

$1.7 \times 0.401 + (1.7 + 1.881) \times 1.58/2 + (1.881 + 2.439) \times 1.551/2 - 1.591 \times 0.045 \times 2/3 - 1.648 \times 0.049 \times 2/3 = 6.76 \text{ m}^2$

陽台過二米  $0.827 \times 0.262/2 = 0.11 \text{ m}^2$   
 $7.99 + 6.76 - 0.11 = 14.64 \text{ m}^2$

小計=14.64m<sup>2</sup>

A3  $2.8 \times 1.275 + 4.2 \times 1.7 + 1.089 \times 0.085/2 - 1.092 \times 0.021 \times 2/3 + 1.925 \times 2.525 = 15.6 \text{ m}^2$

A4  $2.8 \times 1.275 + 4.2 \times 1.7 + 1.089 \times 0.085/2 - 1.092 \times 0.021 \times 2/3 + 1.925 \times 2.525 = 15.6 \text{ m}^2$

B1  $4.499 \times (2.103 + 1.228) / 2 + 1.75 \times 0.549 / 2 - 3.839 \times 0.274 \times 2/3 + 1.747 \times 0.663 / 2 + (1.747 + 2.94) \times 1.193 / 2 + (2.94 + 1.608) \times 1.333 / 2 + (2.099 + 1.135) \times 1.575 / 2 - 3.117 \times 0.19 \times 2/3 = 15.83 \text{ m}^2$

陽台過二米  $(0.585 + 0.664) \times 3.228 / 2 + 0.024 \times 3.064 / 2 + 0.802 \times 0.278 / 2 - 3.064 \times 0.138 \times 2/3 = 1.88 \text{ m}^2$

$15.83 - 1.88 = 13.95 \text{ m}^2$

B2  $4.499 \times (2.103 + 1.228) / 2 + 1.75 \times 0.549 / 2 - 3.839 \times 0.274 \times 2/3 + 1.747 \times 0.663 / 2 + (1.747 + 2.94) \times 1.193 / 2 + (2.94 + 1.608) \times 1.333 / 2 + (2.099 + 1.135) \times 1.575 / 2 - 3.117 \times 0.19 \times 2/3 = 15.83 \text{ m}^2$

陽台過二米  $(0.585 + 0.664) \times 3.228 / 2 + 0.024 \times 3.064 / 2 + 0.802 \times 0.278 / 2 - 3.064 \times 0.138 \times 2/3 = 1.88 \text{ m}^2$

$15.83 - 1.88 = 13.95 \text{ m}^2$

B3  $3.675 \times 2 + 0.405 \times 0.016 / 2 + 0.087 \times 0.595 / 2 - 0.601 \times 0.022 \times 2/3 + (1.509 + 1.597) \times 3.875 / 2 + 0.031 \times 3.876 \times 2/3 = 13.47 \text{ m}^2$

B4  $3.675 \times 2 + 0.405 \times 0.016 / 2 + 0.087 \times 0.595 / 2 - 0.601 \times 0.022 \times 2/3 + (1.509 + 1.597) \times 3.875 / 2 + 0.031 \times 3.876 \times 2/3 = 13.47 \text{ m}^2$

合計 115.32m<sup>2</sup>

雨遮

- A1  $(1.7 + 2.1 + 1.825) \times 0.925 = 5.2 \text{ m}^2$
- A2  $(1.7 + 2.1 + 1.825) \times 0.925 = 5.2 \text{ m}^2$
- A3  $(1.9 + 2.075 + 3.05) \times 0.925 = 6.5 \text{ m}^2$
- A4  $(1.9 + 2.075 + 3.05) \times 0.925 = 6.5 \text{ m}^2$
- B1  $(2.4 + 2.252) \times 0.925 = 4.3 \text{ m}^2$
- B2  $(2.4 + 2.252) \times 0.925 = 4.3 \text{ m}^2$
- B3  $0.525 \times 2.875 = 1.51 \text{ m}^2$
- B4  $0.525 \times 2.875 = 1.51 \text{ m}^2$

梯廳

- A梯:  $5.45 \times 2.25 + 6.7 \times 3.4 = 35.04 \text{ m}^2$
- B梯:  $4.65 \times 2.25 + 0.925 \times 2.225 + 6.375 \times 2.65 + 6.4 \times 0.35 = 31.65 \text{ m}^2$

合計=66.69m<sup>2</sup>

緊急升降機

- A梯:  $4.7 \times 2.35 + 5.1 \times 2.45 = 23.54 \text{ m}^2$
- B梯:  $5.05 \times 2.45 + 4.65 \times 2.35 = 23.3 \text{ m}^2$

合計=46.84m<sup>2</sup>

管道

- A梯:  $0.75 \times 1.95 + 0.35 \times 2.05 = 2.18 \text{ m}^2$
- B梯:  $0.525 \times 2.45 + 0.9 \times 2.375 = 3.42 \text{ m}^2$

合計=5.6m<sup>2</sup>

安全梯

- A梯:  $2.7 \times 6.42 \times 2 = 34.67 \text{ m}^2$
- B梯:  $(1.256 \times 1.256 / 2 + 2.7 \times 6.42) \times 2 = 36.25 \text{ m}^2$

合計=70.92m<sup>2</sup>

室內管道計入設備空間

- A1  $(0.31 + 0.301) \times 0.686 / 2 + 1.1 \times 0.5 = 0.76 \text{ m}^2$
- A2  $(0.31 + 0.301) \times 0.686 / 2 + 1.1 \times 0.5 = 0.76 \text{ m}^2$
- A3  $0.4 \times 0.6 + 0.75 \times 0.375 = 0.52 \text{ m}^2$
- A4  $0.4 \times 0.6 + 0.75 \times 0.375 = 0.52 \text{ m}^2$
- B1  $0.375 \times 0.875 + (0.356 + 0.389) \times 0.829 / 2 + 0.831 \times 0.042 \times 2/3 = 0.66 \text{ m}^2$
- B2  $0.375 \times 0.875 + (0.356 + 0.389) \times 0.829 / 2 + 0.831 \times 0.042 \times 2/3 = 0.66 \text{ m}^2$
- B3  $0.975 \times 0.4 + 0.725 \times 0.3 = 0.61 \text{ m}^2$
- B4  $0.975 \times 0.4 + 0.725 \times 0.3 = 0.61 \text{ m}^2$

合計=5.1m<sup>2</sup>

四、肆~拾貳層 陽台、梯廳面積檢討

陽台面積檢討

$115.32 \text{ m}^2 < 1181.65 \times 10\% = 118.17 \text{ m}^2$

梯廳免計面積檢討

$66.69 \text{ m}^2 < 1181.65 \times 10\% = 118.17 \text{ m}^2$

陽台+梯廳面積檢討

$115.32 + 66.69 = 182.01 \text{ m}^2 > 1181.65 \times 15\% = 177.25 \text{ m}^2$   
 $182.01 - 177.25 = 4.76 \text{ m}^2$

計入容積

五、肆~拾貳層 各層容積樓地板面積

$1181.65 - 66.69 - 5.1 - 46.84 - 5.6 - 70.92 + 4.76 = 991.26 \text{ m}^2$   
 梯廳 管道 緊急 管道 計入容積  
 升降機 安全梯

圖 11-21 四至十二層面積計算圖(二)

S=1:300

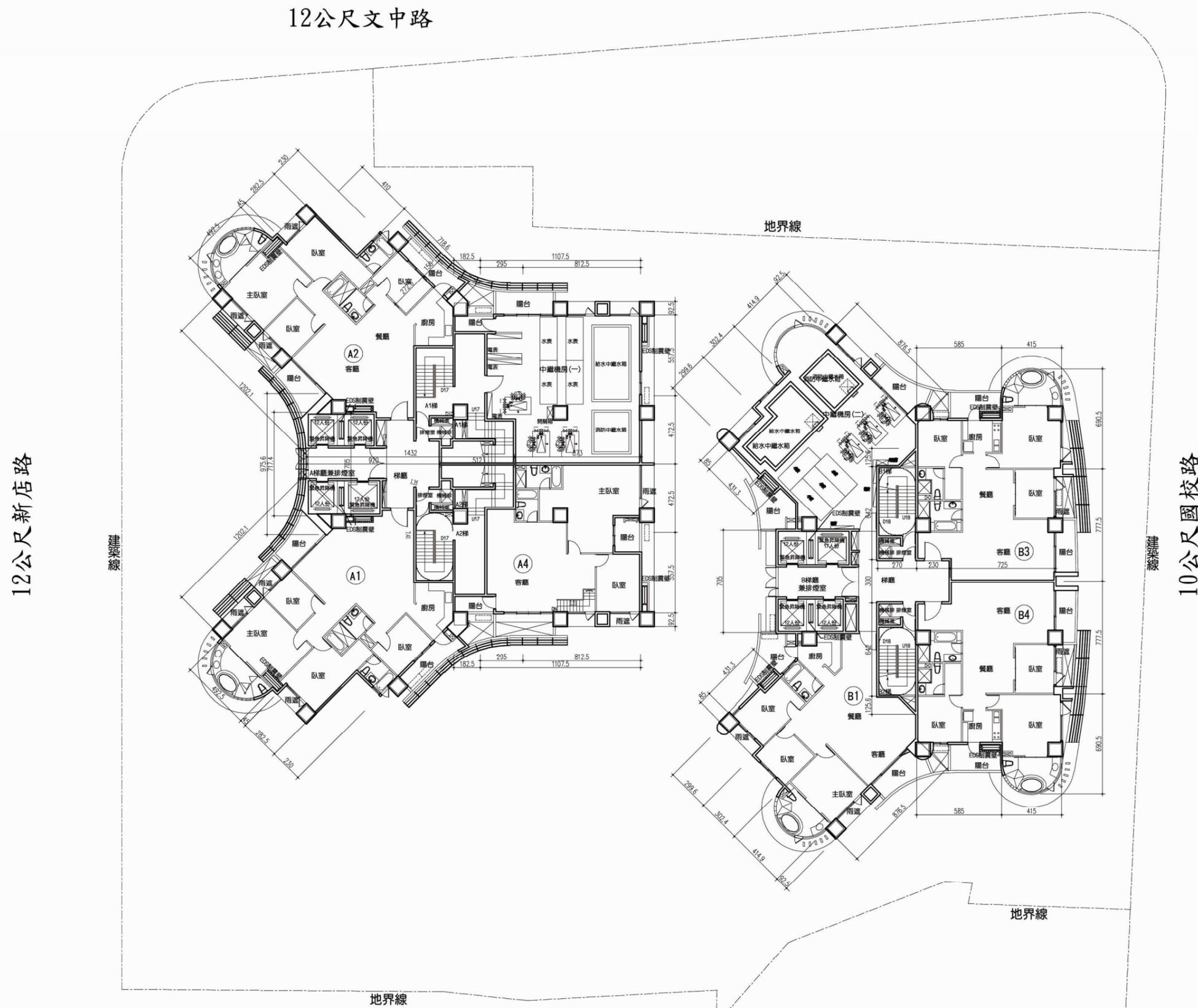
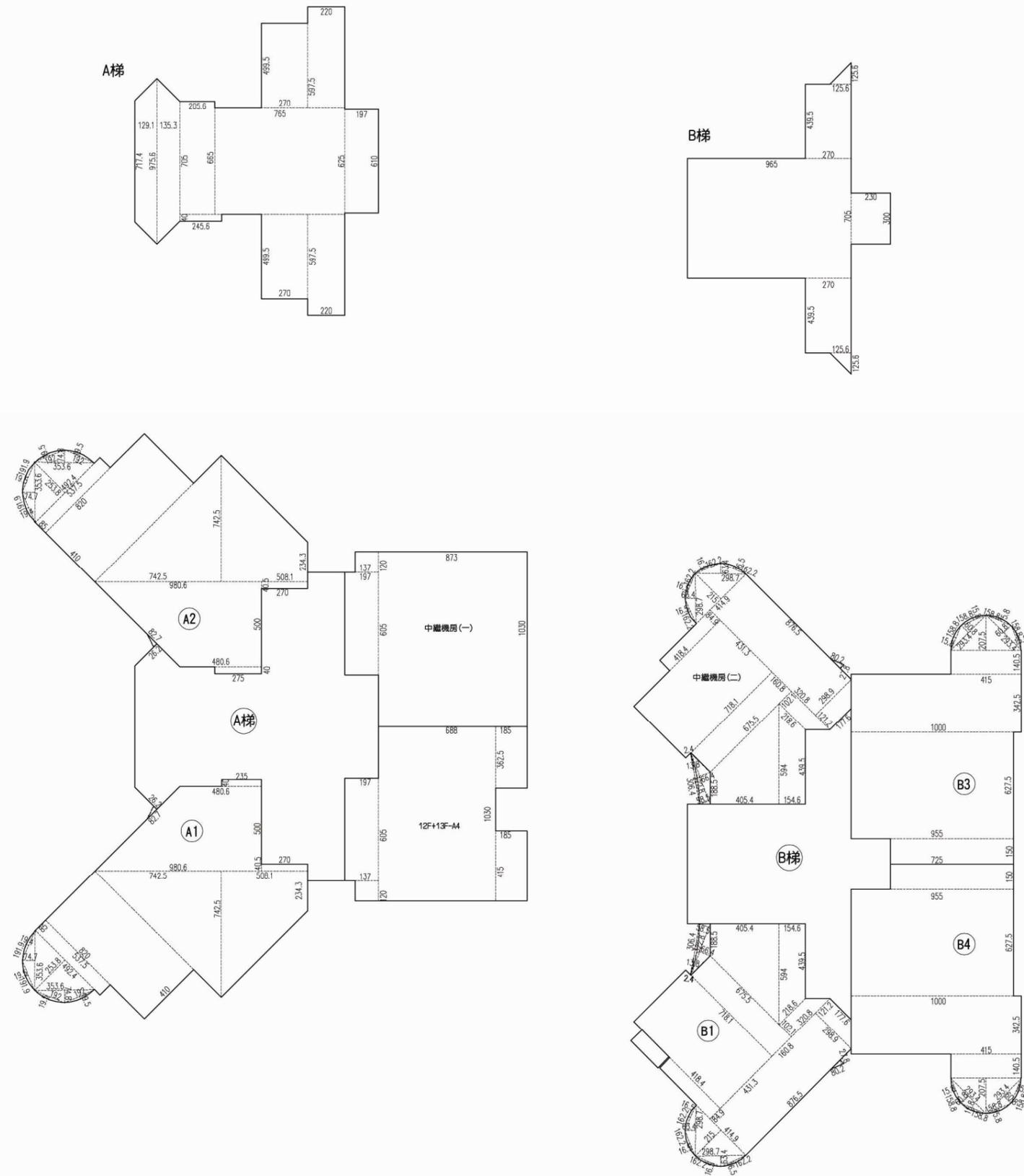


圖 11-22 十三層平面圖

S=1 : 300



一、拾參層 樓地板面積  
室內面積

A1  $5.375 \times 0.85 + 8.2 \times 4.1 + 7.425 \times 7.425 / 2 + (7.425 + 2.343) \times 5.081 / 2$   
 $+ (9.806 + 4.806) \times 5 / 2 + 2.7 \times 0.405 + 2.35 \times 0.4 + 4.924 \times 2.538 / 2$   
 $+ 3.536 \times 0.747 / 2 + 3.536 \times 0.748 / 2 + 1.92 \times 0.195 \times 2 / 3 + 2$   
 $+ (0.194 + 0.195) \times 1.919 \times 2 / 3 = 139.02 \text{ m}^2$   
 陽台過二米  
 $0.827 \times 0.262 / 2 = 0.11 \text{ m}^2$   
 小計  $139.02 + 0.11 = 139.13 \text{ m}^2$

A2  $5.375 \times 0.85 + 8.2 \times 4.1 + 7.425 \times 7.425 / 2 + (7.425 + 2.343) \times 5.081 / 2$   
 $+ (9.806 + 4.806) \times 5 / 2 + 2.7 \times 0.405 + 2.75 \times 0.4 + 4.924 \times 2.538 / 2$   
 $+ 3.536 \times 0.747 / 2 + 3.536 \times 0.748 / 2 + 1.92 \times 0.195 \times 2 / 3 + 2$   
 $+ (0.194 + 0.195) \times 1.919 \times 2 / 3 = 139.18 \text{ m}^2$   
 陽台過二米  
 $0.827 \times 0.262 / 2 = 0.11 \text{ m}^2$   
 小計  $139.18 + 0.11 = 139.29 \text{ m}^2$

中繼機房(一)

$1.37 \times 1.2 + 1.97 \times 6.05 + 8.73 \times 10.3 = 103.48 \text{ m}^2$

A4 (與12F同戶)

$1.97 \times 6.05 + 1.37 \times 1.2 + 6.88 \times 10.3$   
 $+ 1.85 \times (3.625 + 4.15) = 98.81 \text{ m}^2$

B1  $1.622 \times 0.165 \times 2 / 3 + 2.987 \times 0.634 / 2 + 4.149 \times 2.15 / 2$   
 $+ 8.765 \times 2.989 + (2.989 + 1.776) \times 1.212 / 2 + 0.849 \times 4.184$   
 $+ 4.313 \times 7.181 + 6.755 \times 1.608 + (1.885 + 5.94) \times 4.054 / 2$   
 $+ (5.94 + 4.395) \times 1.546 / 2 + (2.186 + 3.208) \times 1.021 / 2$   
 $= 108.14 \text{ m}^2$

陽台過二米

$(0.585 + 0.664) \times 3.228 / 2 + 0.024 \times 3.064 / 2 + 0.802 \times 0.278 / 2$   
 $- 3.064 \times 0.138 \times 2 / 3 = 1.88 \text{ m}^2$

小計  $108.14 + 1.88 = 110.02 \text{ m}^2$

中繼機房(二)

$1.622 \times 0.165 \times 2 / 3 + 2.987 \times 0.634 / 2 + 4.149 \times 2.15 / 2$   
 $+ 8.765 \times 2.989 + (2.989 + 1.776) \times 1.212 / 2 + 0.849 \times 4.184$   
 $+ 4.313 \times 7.181 + 6.755 \times 1.608 + (1.885 + 5.94) \times 4.054 / 2$   
 $+ (5.94 + 4.395) \times 1.546 / 2 + (2.186 + 3.208) \times 1.021 / 2$   
 $= 108.14 \text{ m}^2$

陽台過二米

$(0.585 + 0.664) \times 3.228 / 2 + 0.024 \times 3.064 / 2 + 0.802 \times 0.278 / 2$   
 $- 3.064 \times 0.138 \times 2 / 3 = 1.88 \text{ m}^2$

小計  $108.14 + 1.88 = 110.02 \text{ m}^2$

B3  $1.588 \times 0.158 \times 2 / 3 + 2.934 \times 0.608 + 2.075 \times 4.15 / 2$   
 $+ 1.405 \times 4.15 + 10 \times 3.425 + 9.55 \times 6.275 + 7.25 \times 1.5 = 117.64 \text{ m}^2$

B4  $1.588 \times 0.158 \times 2 / 3 + 2.934 \times 0.608 + 2.075 \times 4.15 / 2$   
 $+ 1.405 \times 4.15 + 10 \times 3.425 + 9.55 \times 6.275 + 7.25 \times 1.5 = 117.64 \text{ m}^2$

合計 = 936.03 m<sup>2</sup>

樓電梯間

A梯  $(7.174 + 9.756) \times 1.291 / 2 + (9.756 + 7.05) \times 1.353 / 2$   
 $+ 2.056 \times 6.65 + 2.456 \times 0.4 + 2.7 \times 4.995 + 2.2 \times 5.975 \times 2$   
 $+ 7.65 \times 6.25 + 1.97 \times 6.1 + 2.7 \times 4.995 = 150.04 \text{ m}^2$

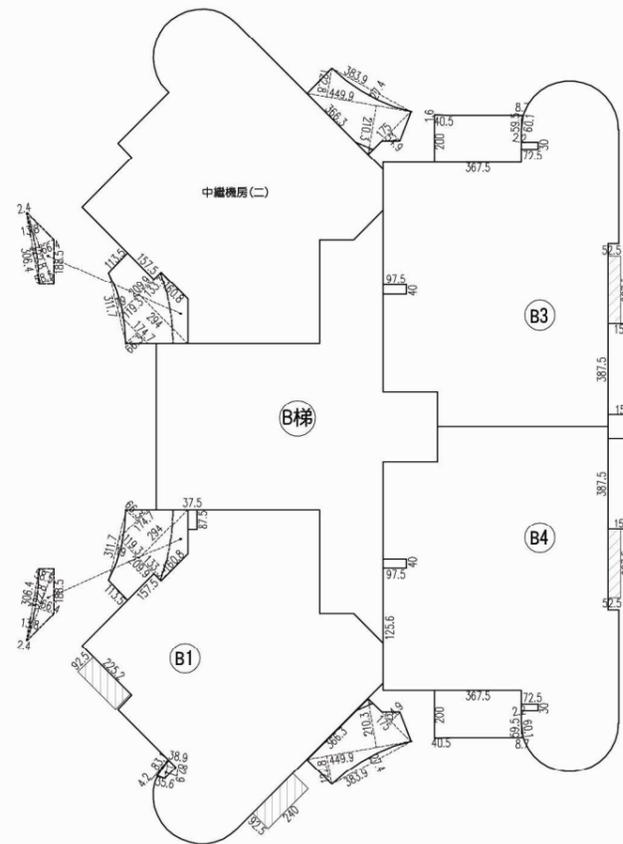
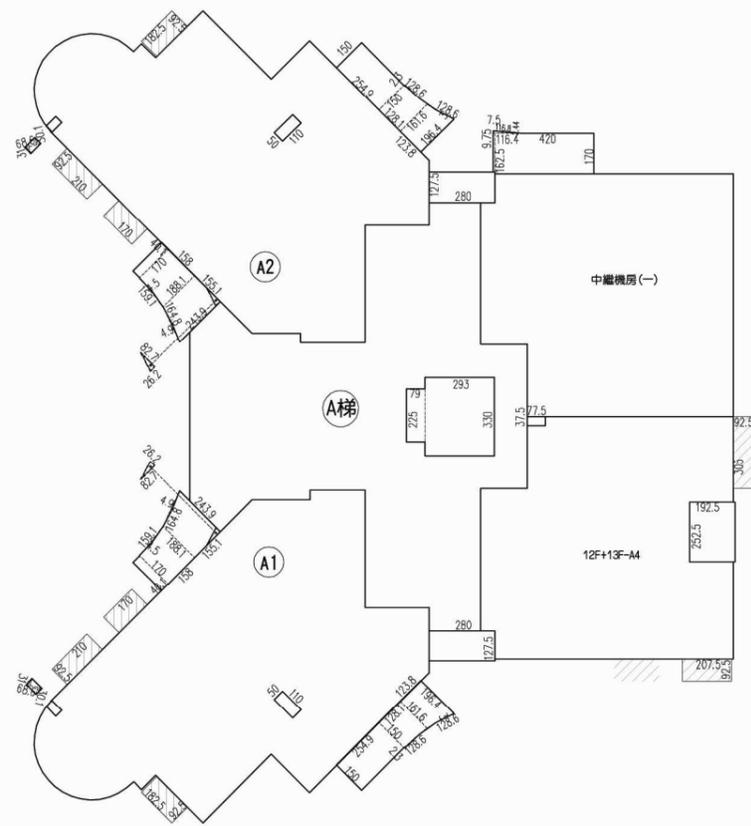
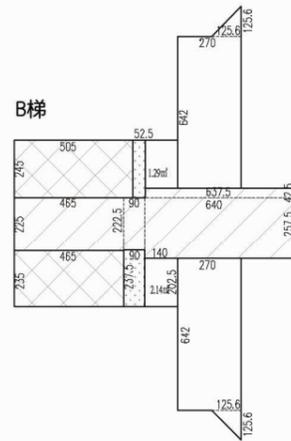
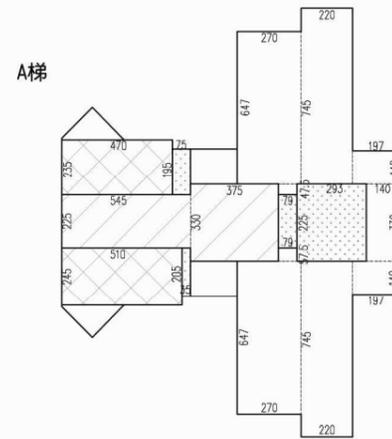
B梯  $1.256 \times 1.256 / 2 + 2.7 \times 4.395 \times 2 + 9.65 \times 7.05$   
 $+ 2.3 \times 3 = 100.24 \text{ m}^2$

合計 = 250.28 m<sup>2</sup>

圖 11-23 十三層面積計算圖(一)

S=1:300

三、拾參層 陽台、雨遮、梯廳、升降機、安全梯、管道 面積計算



陽台

A1  $2.549 \times 1.5 + (1.5 + 1.616) \times 1.281 / 2 + (1.616 + 1.964) \times 1.238 / 2 - 1.286 \times 0.023 \times 2 / 3 - 1.286 \times 0.03 \times 2 / 3 = 7.99 \text{ m}^2$   
 $1.7 \times 0.401 + (1.7 + 1.881) \times 1.58 / 2 + (1.881 + 2.439) \times 1.551 / 2 - 1.591 \times 0.045 \times 2 / 3 - 1.648 \times 0.049 \times 2 / 3 = 6.76 \text{ m}^2$   
 陽台過二米  $0.827 \times 0.262 / 2 = 0.11 \text{ m}^2$   
 $7.99 + 6.76 - 0.11 = 14.64 \text{ m}^2$   
 小計=14.64m<sup>2</sup>

A2  $2.549 \times 1.5 + (1.5 + 1.616) \times 1.281 / 2 + (1.616 + 1.964) \times 1.238 / 2 - 1.286 \times 0.023 \times 2 / 3 - 1.286 \times 0.03 \times 2 / 3 = 7.99 \text{ m}^2$   
 $1.7 \times 0.401 + (1.7 + 1.881) \times 1.58 / 2 + (1.881 + 2.439) \times 1.551 / 2 - 1.591 \times 0.045 \times 2 / 3 - 1.648 \times 0.049 \times 2 / 3 = 6.76 \text{ m}^2$   
 陽台過二米  $0.827 \times 0.262 / 2 = 0.11 \text{ m}^2$   
 $7.99 + 6.76 - 0.11 = 14.64 \text{ m}^2$   
 小計=14.64m<sup>2</sup>

中繼機房(一)  
 $2.8 \times 1.275 + 0.075 \times 1.625 + 4.2 \times 1.7 + 1.164 \times 0.0975 / 2 - 1.168 \times 0.0244 \times 2 / 3 = 10.87 \text{ m}^2$

A4 (與12F同戶)  
 $2.8 \times 1.275 + 1.925 \times 2.525 = 8.43 \text{ m}^2$

B1  $4.499 \times (2.103 + 1.228) / 2 + 1.75 \times 0.549 / 2 - 3.839 \times 0.274 \times 2 / 3 + 1.747 \times 0.663 / 2 + (1.747 + 2.94) \times 1.193 / 2 + (2.94 + 1.608) \times 1.333 / 2 + (2.099 + 1.135) \times 1.575 / 2 - 3.117 \times 0.19 \times 2 / 3 = 15.83 \text{ m}^2$   
 陽台過二米  
 $(0.585 + 0.664) \times 3.228 / 2 + 0.024 \times 3.064 / 2 + 0.802 \times 0.278 / 2 - 3.064 \times 0.138 \times 2 / 3 = 1.88 \text{ m}^2$   
 $15.83 - 1.88 = 13.95 \text{ m}^2$

中繼機房(二)  
 $4.499 \times (2.103 + 1.228) / 2 + 1.75 \times 0.549 / 2 - 3.839 \times 0.274 \times 2 / 3 + 1.747 \times 0.663 / 2 + (1.747 + 2.94) \times 1.193 / 2 + (2.94 + 1.608) \times 1.333 / 2 + (2.099 + 1.135) \times 1.575 / 2 - 3.117 \times 0.19 \times 2 / 3 = 15.83 \text{ m}^2$   
 陽台過二米  
 $(0.585 + 0.664) \times 3.228 / 2 + 0.024 \times 3.064 / 2 + 0.802 \times 0.278 / 2 - 3.064 \times 0.138 \times 2 / 3 = 1.88 \text{ m}^2$   
 $15.83 - 1.88 = 13.95 \text{ m}^2$

B3  $3.675 \times 2 + 0.405 \times 0.016 / 2 + 0.087 \times 0.595 / 2 - 0.601 \times 0.022 \times 2 / 3 + (1.509 + 1.597) \times 3.875 / 2 + 0.031 \times 3.876 \times 2 / 3 = 13.47 \text{ m}^2$

B4  $3.675 \times 2 + 0.405 \times 0.016 / 2 + 0.087 \times 0.595 / 2 - 0.601 \times 0.022 \times 2 / 3 + (1.509 + 1.597) \times 3.875 / 2 + 0.031 \times 3.876 \times 2 / 3 = 13.47 \text{ m}^2$

雨遮

A1  $(2.1 + 1.7 + 1.825) \times 0.925 = 5.2 \text{ m}^2$   
 A2  $(2.1 + 1.7 + 1.825) \times 0.925 = 5.2 \text{ m}^2$   
 A4  $(2.075 + 3.05) \times 0.925 = 4.74 \text{ m}^2$   
 B1  $(2.252 + 2.40) \times 0.925 = 4.3 \text{ m}^2$   
 B3  $0.525 \times 2.875 = 1.51 \text{ m}^2$   
 B4  $0.525 \times 2.875 = 1.51 \text{ m}^2$

合計 24.22m<sup>2</sup>

梯廳

A梯:  $5.45 \times 2.25 + 3.75 \times 3.3 = 24.64 \text{ m}^2$   
 B梯:  $4.65 \times 2.25 + 0.9 \times 2.225 + 6.375 \times 0.425 + 6.4 \times 2.575 = 31.65 \text{ m}^2$   
 合計=56.29m<sup>2</sup>

緊急升降機

A梯:  $4.7 \times 2.35 + 5.1 \times 2.45 = 23.54 \text{ m}^2$   
 B梯:  $5.05 \times 2.45 + 4.65 \times 2.35 = 23.3 \text{ m}^2$   
 合計=46.84m<sup>2</sup>

管道

A梯:  $0.75 \times 1.95 + 0.35 \times 2.05 = 2.18 \text{ m}^2$   
 B梯:  $0.525 \times 2.45 + 0.9 \times 2.375 = 3.42 \text{ m}^2$   
 合計=5.6m<sup>2</sup>

安全梯

A梯:  $2.7 \times 6.47 \times 2 + 2.7 \times 4.5 \times 2 + 1.97 \times 1.4 \times 2 + 1.4 \times 3.3 + 0.79 \times (0.475 + 0.575) = 78.68 \text{ m}^2$   
 B梯:  $(1.256 \times 1.256 / 2 + 2.7 \times 6.42) \times 2 = 36.25 \text{ m}^2$   
 合計=114.93m<sup>2</sup>

室內管道計入設備空間

A1  $1.1 \times 0.5 + (0.31 + 0.301) \times 0.686 / 2 = 0.76 \text{ m}^2$   
 A2  $1.1 \times 0.5 + (0.31 + 0.301) \times 0.686 / 2 = 0.76 \text{ m}^2$   
 12F-A4  $0.775 \times 0.375 = 0.29 \text{ m}^2$   
 B1  $(0.389 + 0.356) \times 0.829 / 2 + 0.831 \times 0.042 \times 2 / 3 + 0.375 \times 0.875 = 0.66 \text{ m}^2$   
 B3  $0.975 \times 0.4 + 0.725 \times 0.3 = 0.61 \text{ m}^2$   
 B4  $0.975 \times 0.4 + 0.725 \times 0.3 = 0.61 \text{ m}^2$   
 A梯  $0.79 \times 2.25 + 2.93 \times 3.3 = 11.45 \text{ m}^2$   
 合計=15.14m<sup>2</sup>

四、拾參層 陽台、梯廳面積檢討

陽台面積檢討

$103.42 \text{ m}^2 < 1186.31 \times 10\% = 118.63 \text{ m}^2$

梯廳免計面積檢討

$56.29 \text{ m}^2 < 1186.31 \times 10\% = 118.63 \text{ m}^2$

陽台+梯廳面積檢討

$103.42 + 56.29 = 159.71 \text{ m}^2 < 1186.31 \times 15\% = 177.95 \text{ m}^2$

五、拾參層 容積樓地板面積

$1186.31 - 56.29 - 15.14 - 46.84 - 5.6 - 114.93 - 103.48 - 110.02 = 734.01 \text{ m}^2$   
 梯廳 管道 緊急 管道 中繼一  
 升降機 安全梯 中繼二

圖 11-24 十三層面積計算圖(二)

S=1:300

