

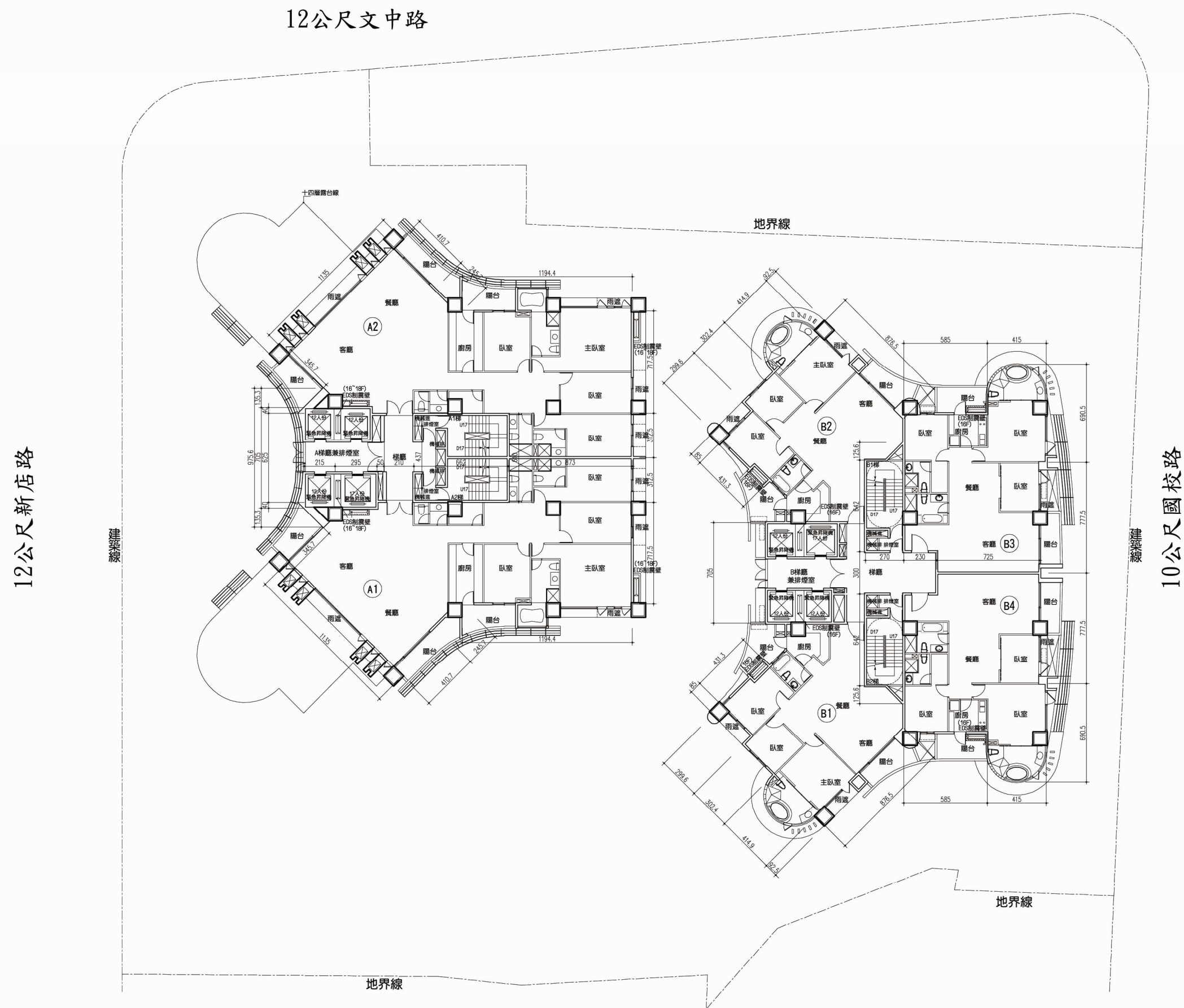
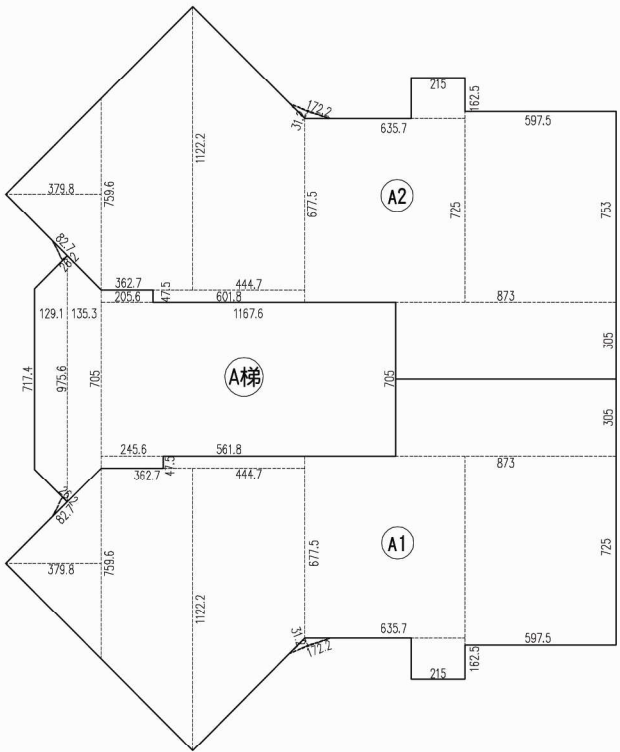
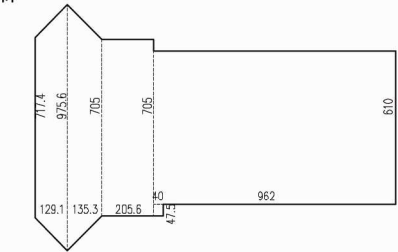


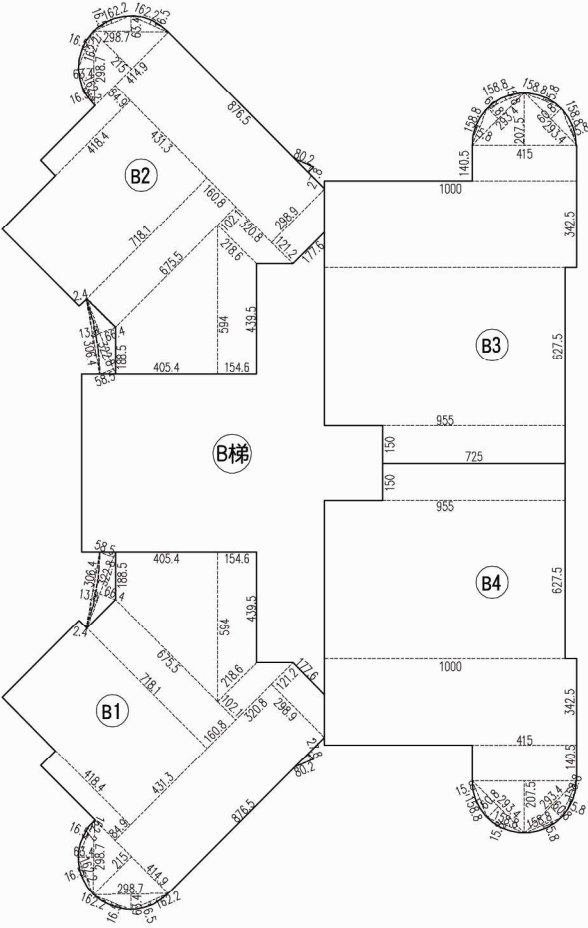
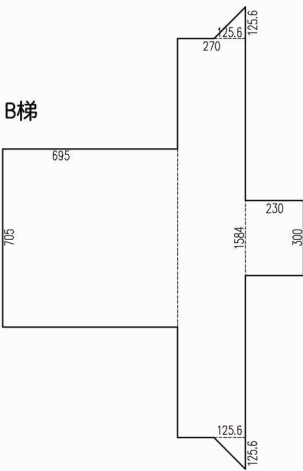
圖 11-26 十五-二十三層平面圖

S=1 : 300

A梯



B梯



一. 拾肆~貳拾參層 樓地板面積
室內面積

A1 3.798*7.596/2+(7.596+11.222)*3.627/2+(11.222+6.775)*4.447/2
+5.618*0.475+2.15*1.625+6.357*7.25+5.975*7.53
+8.73*3.05=212.44㎡

陽台過二米
1.722*0.312/2+0.827*0.262/2=0.38㎡

小計 212.44+0.38=212.82㎡

A2 3.798*7.596/2+(7.596+11.222)*3.627/2+(11.222+6.775)*4.447/2
+6.018*0.475+2.15*1.625+6.357*7.25+5.975*7.53
+8.73*3.05=212.63㎡

陽台過二米
1.722*0.312/2+0.827*0.262/2=0.38㎡

小計 212.63+0.38=213.01㎡

B1 1.622*0.165*2/3*4+2.987*0.634/2*2+4.149*2.15/2
+8.765*2.989+(2.989+1.776)*1.212/2+0.849*4.184
+4.313*7.181+6.755*1.608+(1.885+5.94)*4.054/2
+(5.94+4.395)*1.546/2+(2.186+3.208)*1.021/2=108.14㎡

陽台過二米
(0.585+0.664)*3.228/2+0.024*3.064/2+0.802*0.278/2
-3.064*0.138*2/3=1.88㎡

小計 108.14+1.88=110.02㎡

B2 1.622*0.165*2/3*4+2.987*0.634/2*2+4.149*2.15/2
+8.765*2.989+(2.989+1.776)*1.212/2+0.849*4.184
+4.313*7.181+6.755*1.608+(1.885+5.94)*4.054/2
+(5.94+4.395)*1.546/2+(2.186+3.208)*1.021/2=108.14㎡

陽台過二米
(0.585+0.664)*3.228/2+0.024*3.064/2+0.802*0.278/2
-3.064*0.138*2/3=1.88㎡

小計 108.14+1.88=110.02㎡

B3 1.588*0.158*2/3*4+2.934*0.608+2.075*4.15/2
+1.405*4.15+10*3.425+9.55*6.275+7.25*1.5=117.64㎡

B4 1.588*0.158*2/3*4+2.934*0.608+2.075*4.15/2
+1.405*4.15+10*3.425+9.55*6.275+7.25*1.5=117.64㎡

合計 =881.15㎡

樓電梯間

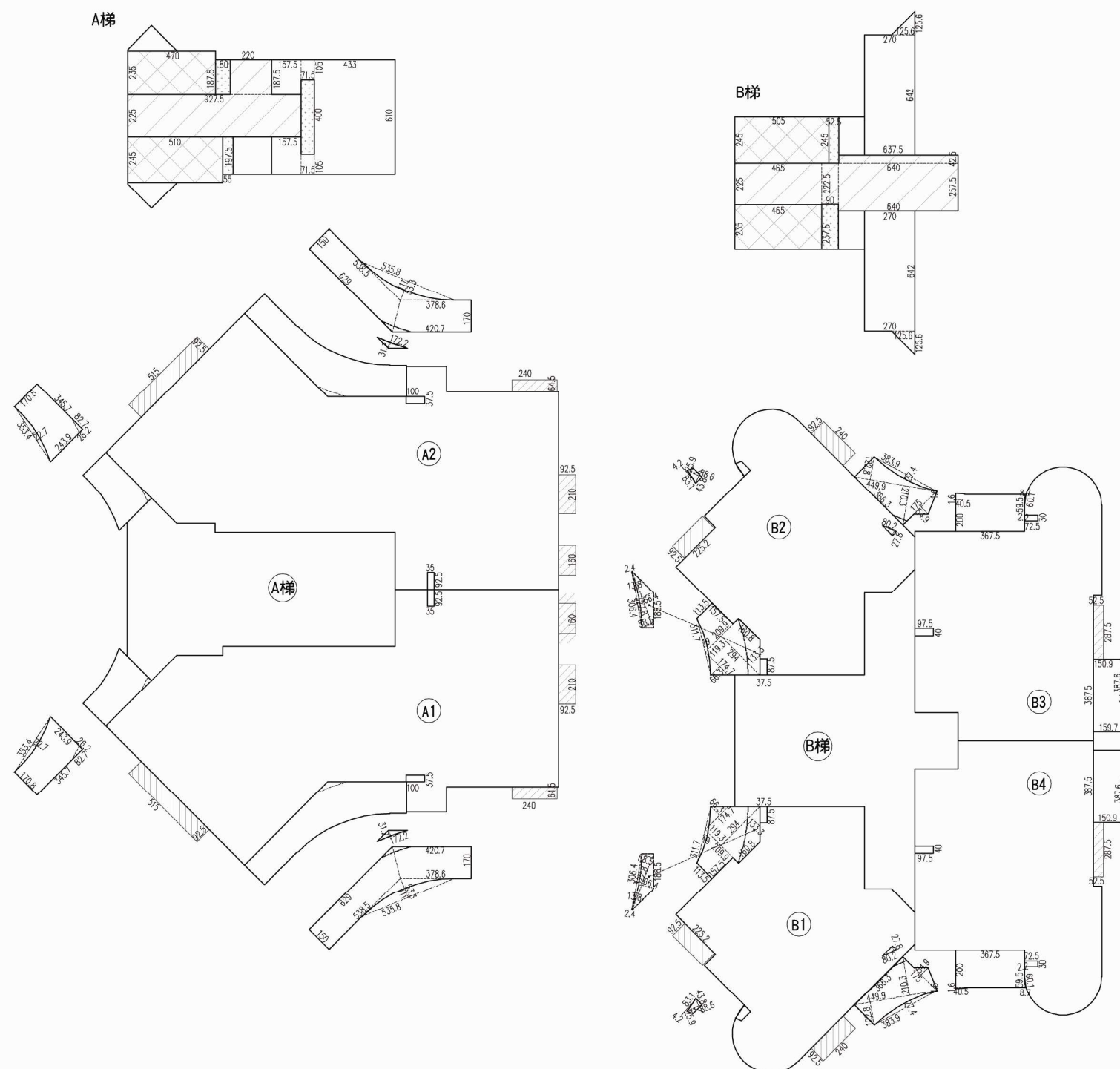
A梯 (7.174+9.756)*1.291/2+(9.756+7.05)*1.353/2
+2.056*7.05+0.4*0.475+9.62*6.1=95.66㎡

B梯 6.95*7.05+2.7*15.84
+1.256*1.256/2*2+2.3*3=100.24㎡

合計 =195.9㎡

二. 拾肆~貳拾參層 樓地板面積
881.15+195.9=1077.05㎡

圖 11-27 十四~二十三層面積計算圖(一) S=1：300



三.拾肆~貳拾參層 陽台、雨遮、梯廳、升降機、安全梯、管道 面積計算

陽台		梯廳	
A1	$(2.439+1.708)*3.457/2-3.534*0.227*2/3=6.63\text{m}^2$ $(6.29+5.385)*1.5/2+(4.207+3.786)*1.7/2$ $+5.358*1.11/2-5.358*0.533*2/3=16.62\text{m}^2$ 陽台過二米 $0.827*0.262/2+1.722*0.312/2=0.38\text{m}^2$	A梯: $2.2*1.875+9.275*2.25=24.99\text{m}^2$ B梯: $4.65*2.25+0.9*2.225+6.375*0.425+6.4*2.575=31.65\text{m}^2$ 合計=56.64m ²	
小計		合計=46.87m ²	
A2	$(2.439+1.708)*3.457/2-3.534*0.227*2/3=6.63\text{m}^2$ $(6.29+5.385)*1.5/2+(4.207+3.786)*1.7/2$ $+5.358*1.11/2-5.358*0.533*2/3=16.62\text{m}^2$ 陽台過二米 $0.827*0.262/2+1.722*0.312/2=0.38\text{m}^2$	緊急升降機 A梯: $4.7*2.35+5.1*2.45=23.54\text{m}^2$ B梯: $5.05*2.45+4.65*2.35=23.3\text{m}^2$ 合計=8.87m ²	
小計		合計=70.23m ²	
B1	$4.499*(2.103+1.228)/2+1.75*0.549/2-3.839*0.274*2/3$ $+1.747*0.663/2+(1.747+2.94)*1.193/2$ $+(2.94+1.608)*1.333/2+(2.099+1.135)*1.575/2$ $-3.117*0.19*2/3=15.83\text{m}^2$ 陽台過二米 $(0.585+0.664)*3.228/2+0.024*3.064/2+0.802*0.278/2$ $-3.064*0.138*2/3=1.88\text{m}^2$ $15.83-1.88=13.95\text{m}^2$	管道 A梯: $0.8*1.875+0.55*1.975+0.715*4=5.45\text{m}^2$ B梯: $0.525*2.45+0.9*2.375=3.42\text{m}^2$ 合計=8.87m ²	
B2	$4.499*(2.103+1.228)/2+1.75*0.549/2-3.839*0.274*2/3$ $+1.747*0.663/2+(1.747+2.94)*1.193/2$ $+(2.94+1.608)*1.333/2+(2.099+1.135)*1.575/2$ $-3.117*0.19*2/3=15.83\text{m}^2$ 陽台過二米 $(0.585+0.664)*3.228/2+0.024*3.064/2+0.802*0.278/2$ $-3.064*0.138*2/3=1.88\text{m}^2$ $15.83-1.88=13.95\text{m}^2$	安全梯 A梯: $1.575*(1.875+1.975)+0.715*1.05*2+4.33*6.1=33.98\text{m}^2$ B梯: $(2.7*6.42+1.256*1.256/2)*2=36.25\text{m}^2$ 合計=70.23m ²	
B3	$3.675*2+0.405*0.016/2+0.087*0.595/2$ $-0.601*0.022*2/3$ $+(1.509+1.597)*3.875/2+0.031*3.876*2/3=13.47\text{m}^2$	室內管道計入設備空間 A1 $1*0.375+0.35*0.925=0.7\text{m}^2$ A2 $1*0.375+0.35*0.925=0.7\text{m}^2$ B1 $0.375*0.875+(0.259+0.438)*0.886/2$ $+0.831*0.042*2/3=0.66\text{m}^2$ B2 $0.375*0.875+(0.259+0.438)*0.886/2$ $+0.831*0.042*2/3=0.66\text{m}^2$ B3 $0.975*0.4+0.725*0.3=0.61\text{m}^2$ B4 $0.975*0.4+0.725*0.3=0.61\text{m}^2$ 合計=3.94m ²	
B4	$3.675*2+0.405*0.016/2+0.087*0.595/2$ $-0.601*0.022*2/3$ $+(1.509+1.597)*3.875/2+0.031*3.876*2/3=13.47\text{m}^2$ 合計 100.58m ²	四. 拾肆~貳拾參層 陽台, 梯廳面積檢討 陽台面積檢討 $100.58\text{m}^2 < 1077.05*10\%=107.71\text{m}^2$ 梯廳免計面積檢討 $56.64\text{m}^2 < 1077.05*10\%=107.71\text{m}^2$ 陽台+梯廳面積檢討 $100.58+56.64=157.22\text{m}^2 < 1077.05*15\%=161.56\text{m}^2$	
雨遮		五. 拾肆~貳拾參層 容積樓地板面積 $1077.05-56.64-3.94-70.23-46.84-8.87=890.53\text{m}^2$ 梯廳 管道 安全梯 緊急 管道 升降機	
A1	$(5.15+2.1+1.6)*0.925+(2.4*0.645)=9.73\text{m}^2$		
A2	$(5.15+2.1+1.6)*0.925+(2.4*0.645)=9.73\text{m}^2$		
B1	$(2.4+2.252)*0.925=4.3\text{m}^2$		
B2	$(2.4+2.252)*0.925=4.3\text{m}^2$		
B3	$0.525*2.875=1.51\text{m}^2$		
B4	$0.525*2.875=1.51\text{m}^2$		
合計		合計 31.08m ²	

圖 11-28 十四~二十三層面積計算圖(二) $S=1:300$

12公尺文中路

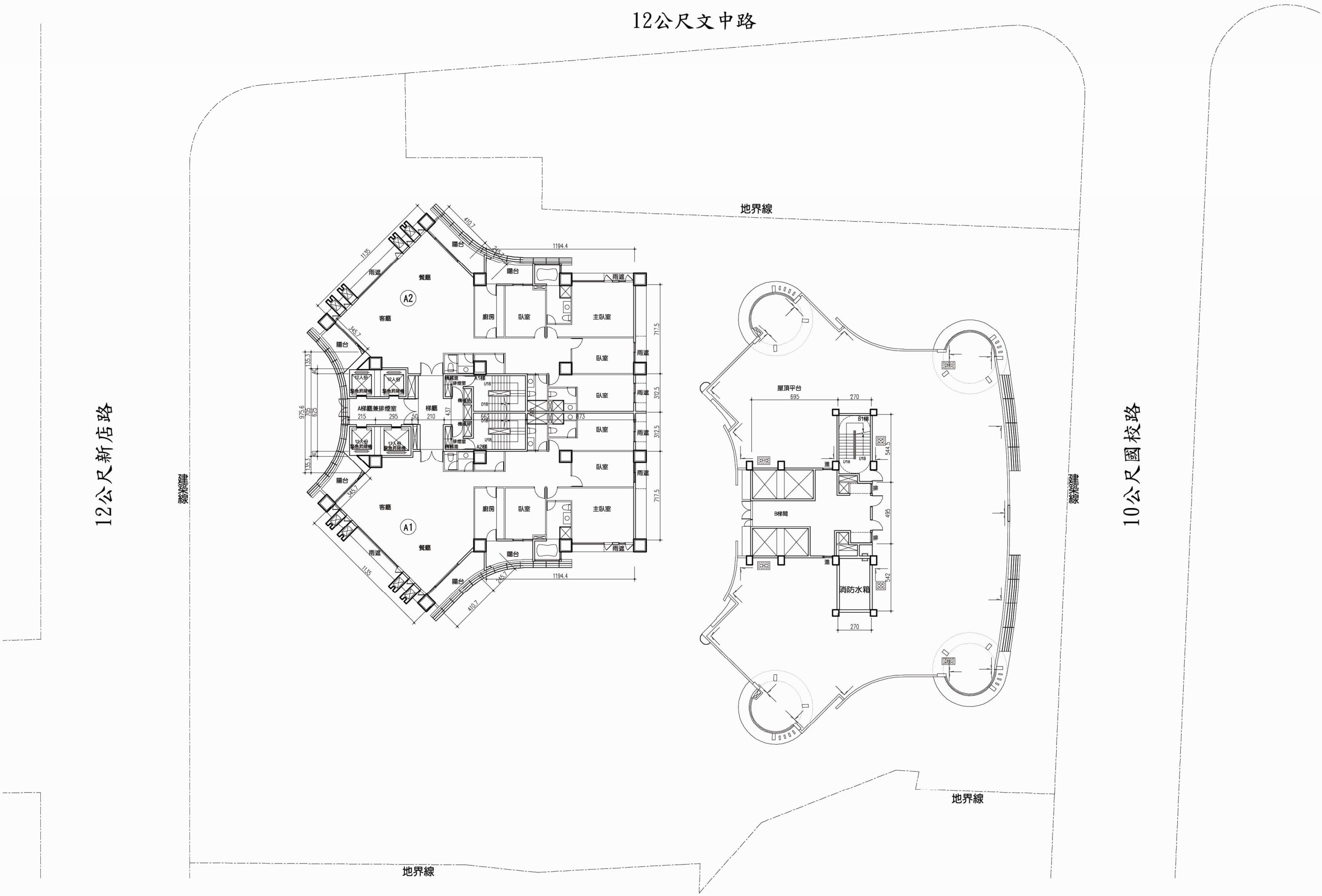
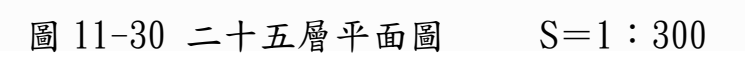


圖 11-29 二十四層平面圖 S=1：300



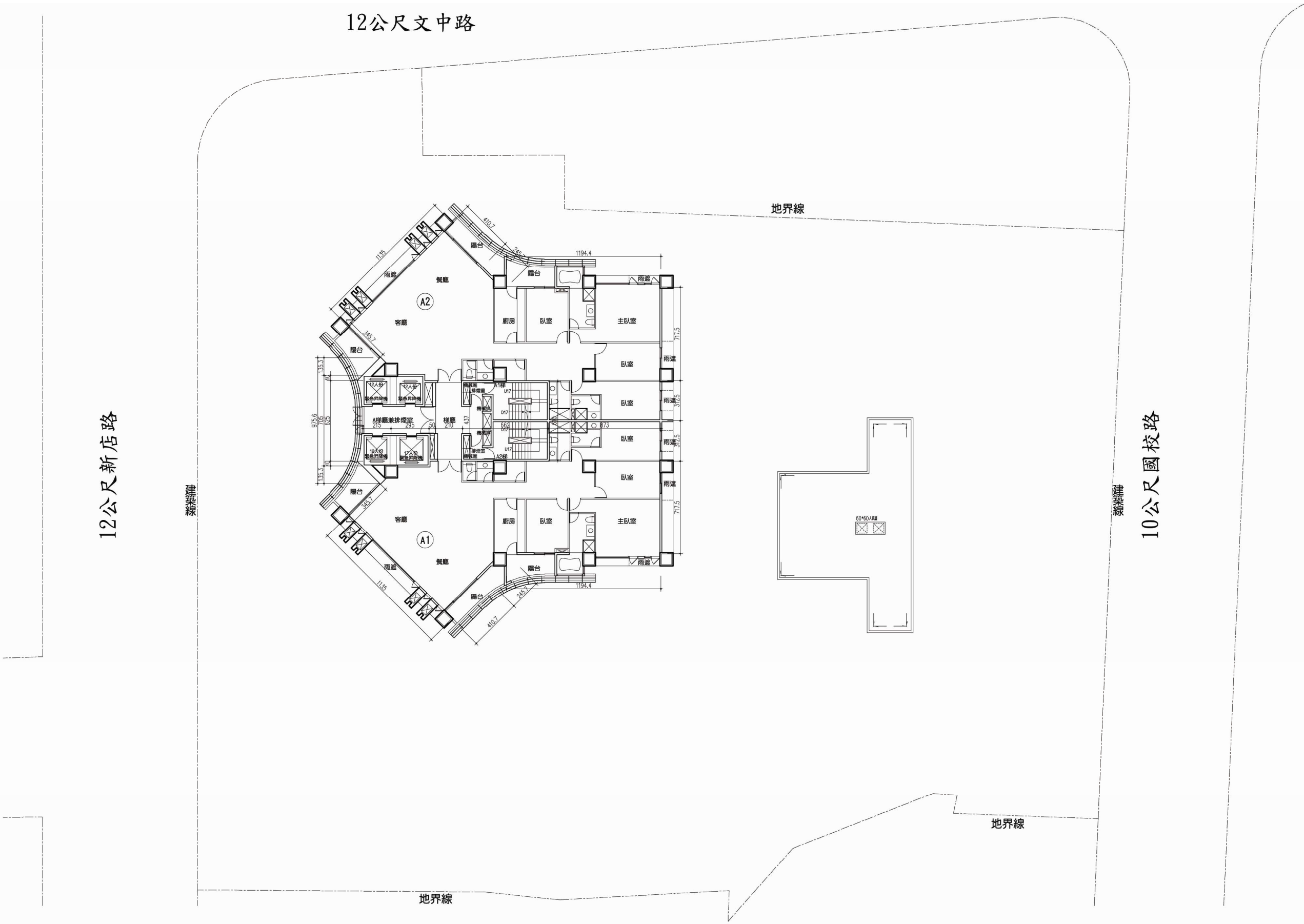
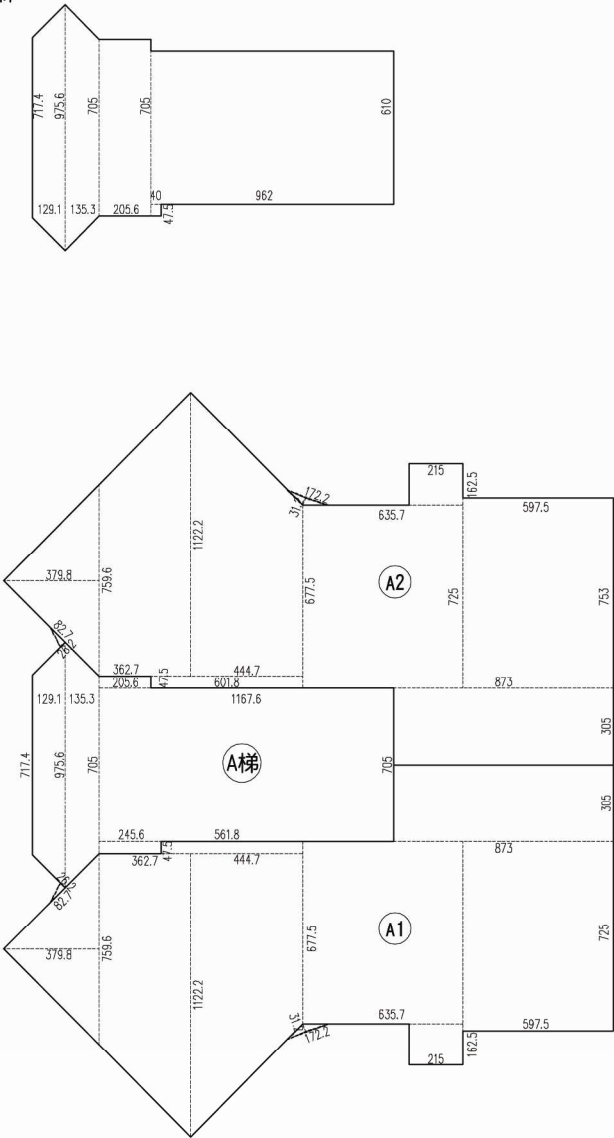


圖 11-31 二十六層平面圖 S=1:300

A梯



一、貳拾肆~貳拾陸層 樓地板面積
室內面積

A1 3.798*7.596/2+(7.596+11.222)*3.627/2+(11.222+6.775)*4.447/2
+5.618*0.475+2.15*1.625+6.357*7.25+5.975*7.53
+8.73*3.05=212.44㎡

陽台過二米
1.722*0.312/2+0.827*0.262/2=0.38㎡

小計 212.44+0.38=212.82㎡

A2 3.798*7.596/2+(7.596+11.222)*3.627/2+(11.222+6.775)*4.447/2
+6.018*0.475+2.15*1.625+6.357*7.25+5.975*7.53
+8.73*3.05=212.63㎡

陽台過二米
1.722*0.312/2+0.827*0.262/2=0.38㎡

小計 212.63+0.38=213.01㎡

合計 =425.83㎡

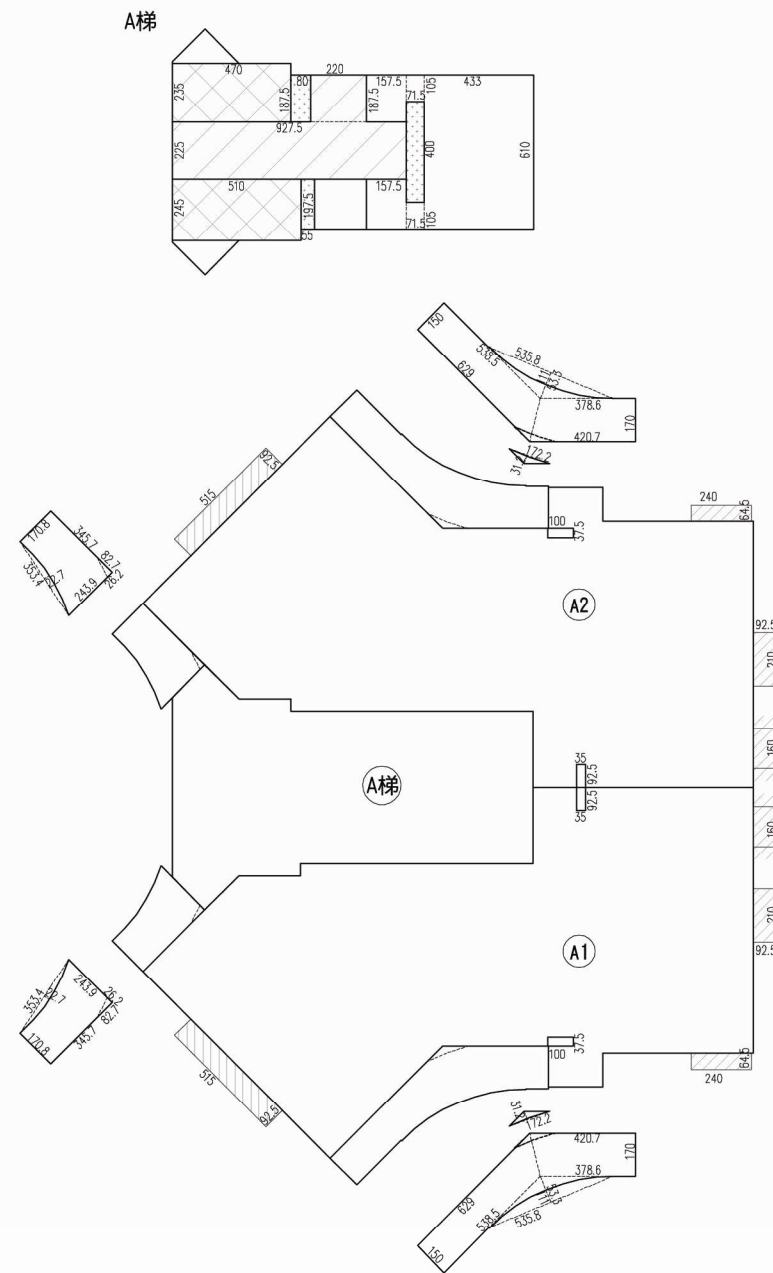
樓電梯間

A梯 (7.174+9.756)*1.291/2+(9.756+7.05)*1.353/2
+2.056*7.05+0.4*0.475+9.62*6.1=95.66㎡

合計 =95.66㎡

二、貳拾肆~貳拾陸層 樓地板面積
425.83+95.66=521.49㎡

圖 11-32 二十四~二十六層面積計算圖(一) S=1：300



陽台

合計	45.74m ²
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合計 19.46m²

合計=33.98m²

合計=1.4m²

$$45.74+24.99=70.73\text{m}^2 < 521.49*15\%=78.22\text{m}^2$$

521.49-24.99-1.4-33.98-23.54-5.45=432.13m³
 梯廳 管道 安全梯 緊急 管道
 升降機

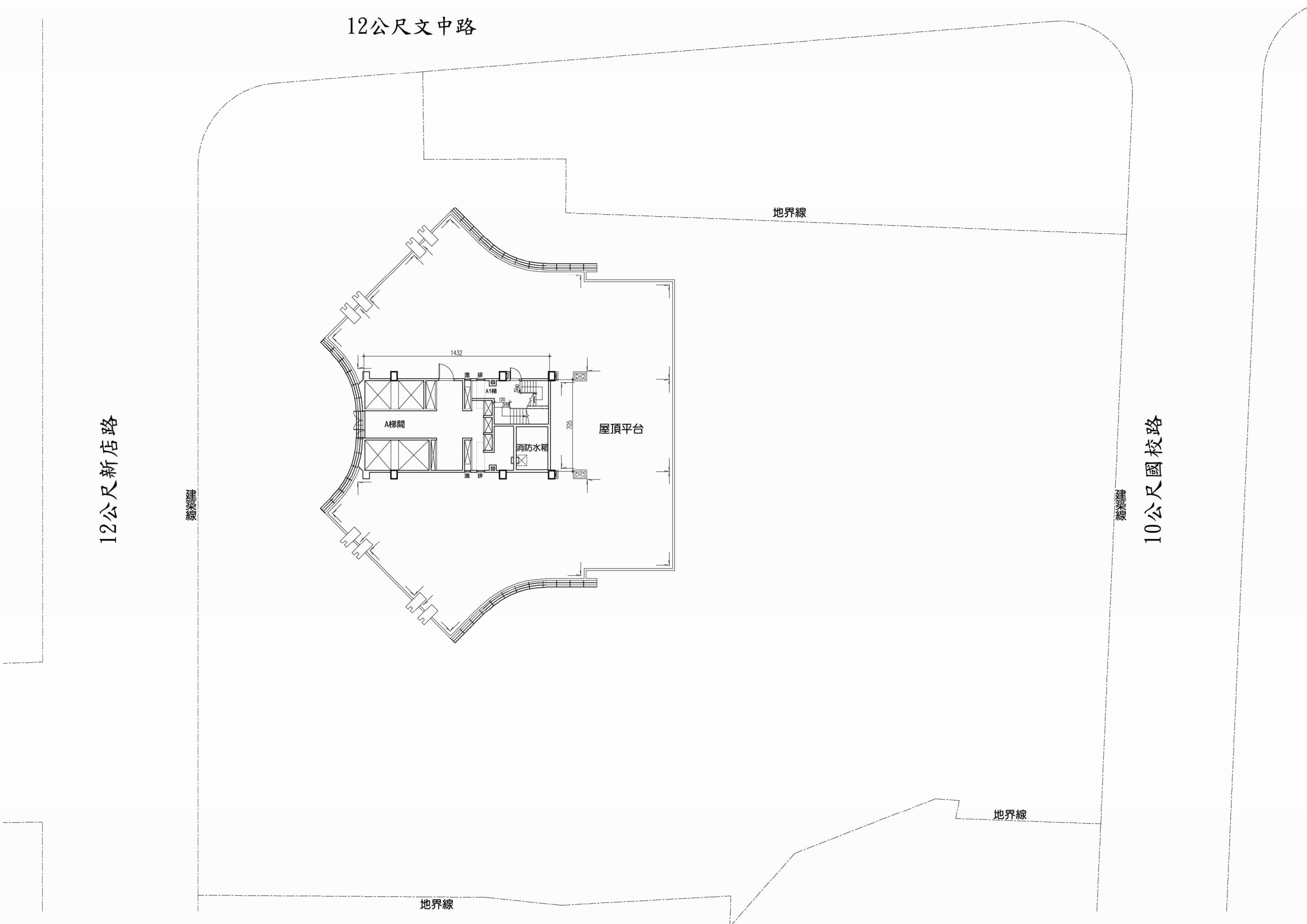


圖 11-34 屋頂一層平面圖 S=1 : 300

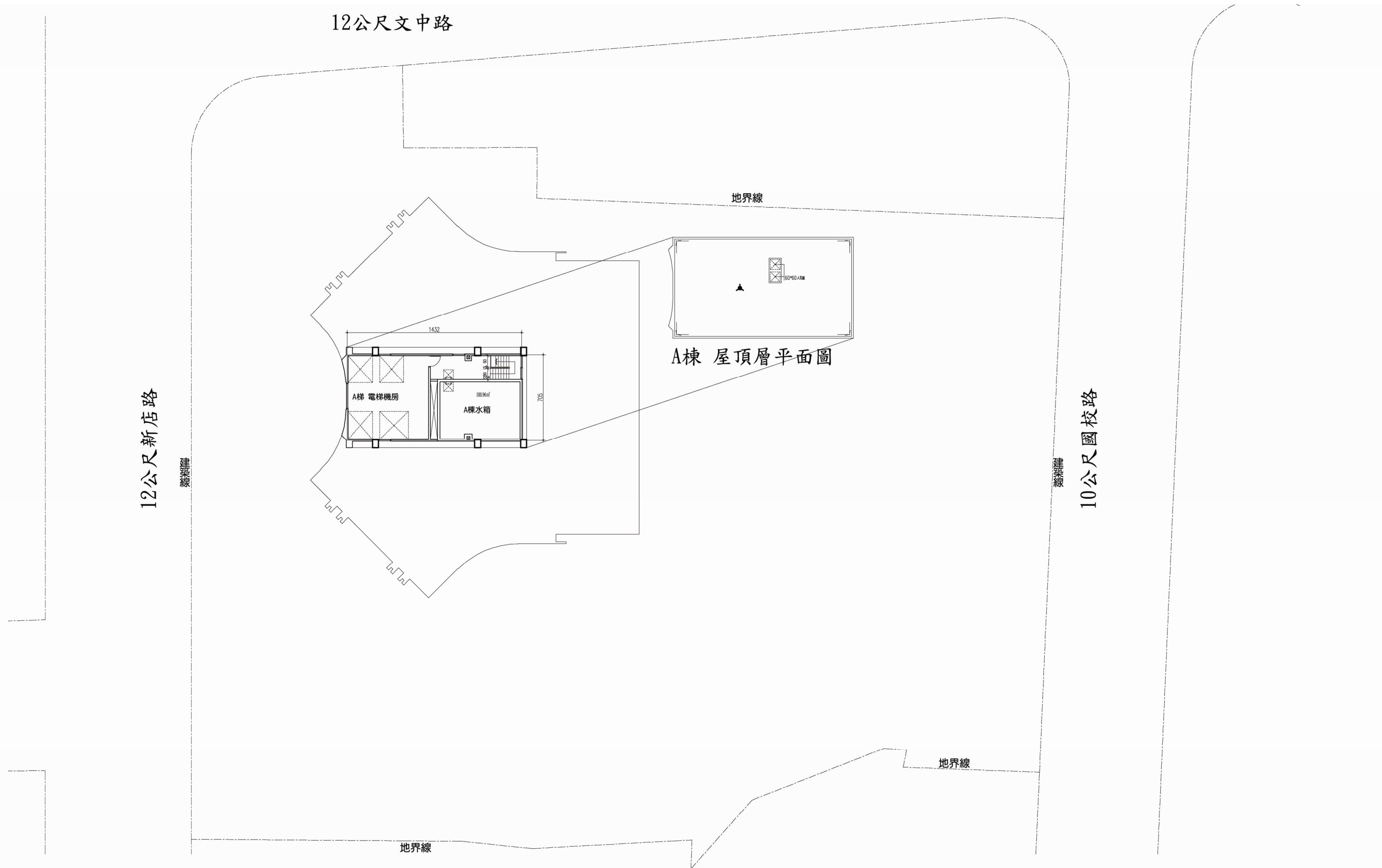
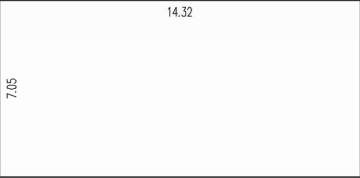
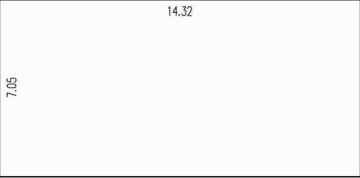


圖 11-35 屋頂二層平面圖 S=1 : 300

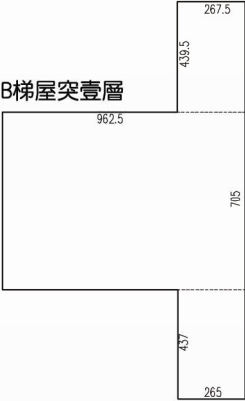
A梯屋突壹層



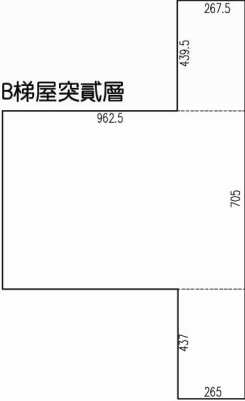
A梯屋突貳層



B梯屋突壹層



B梯屋突貳層



一. 屋突壹層	樓地板面積
A梯:	14.32*7.05=100.96㎡
B梯:	2.675*4.395+9.625*7.05+2.65*4.37=91.19㎡
小計:	192.15㎡

二. 屋突貳層	樓地板面積
A梯:	14.32*7.05=100.96㎡
B梯:	2.675*4.395+9.625*7.05+2.65*4.37=91.19㎡
小計:	192.15㎡

三. 法規檢討
192.15㎡ < 2538.6*15%=380.79㎡ OK

圖 11-36 屋頂層面積計算圖 S=1：300



圖 11-37 北向立面圖 S=1/500

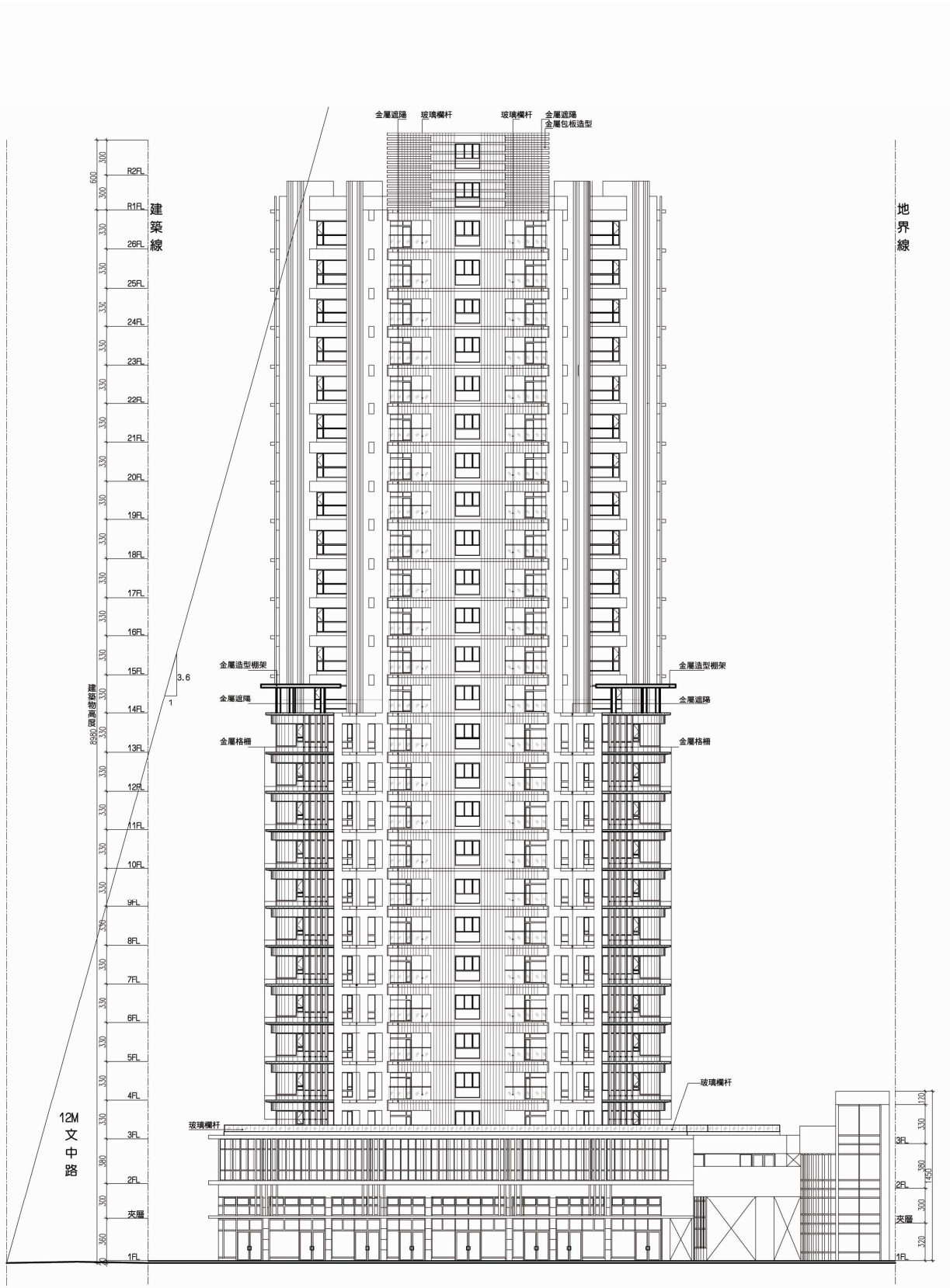


圖 11-38 西向立面圖 S=1/500