

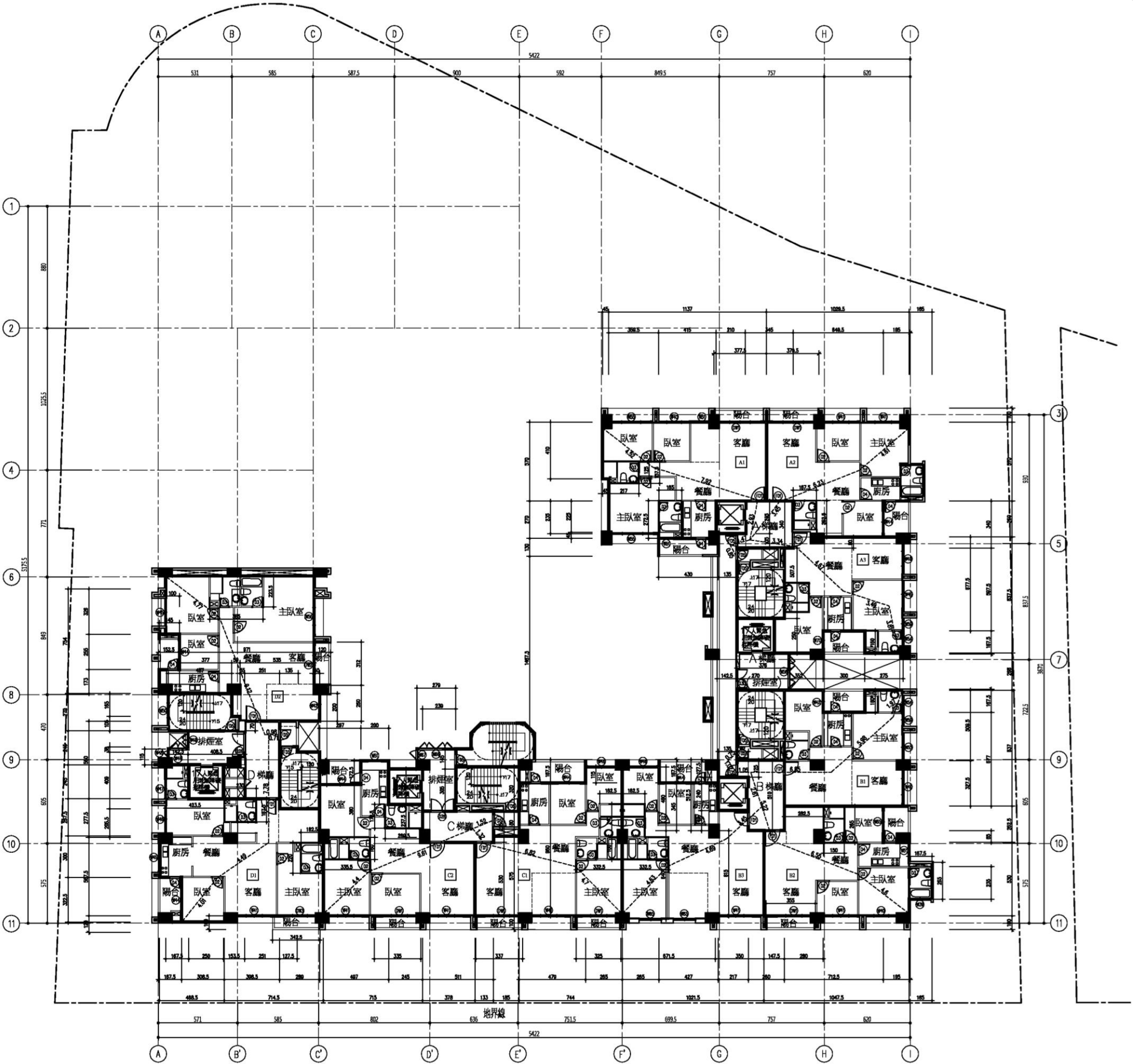
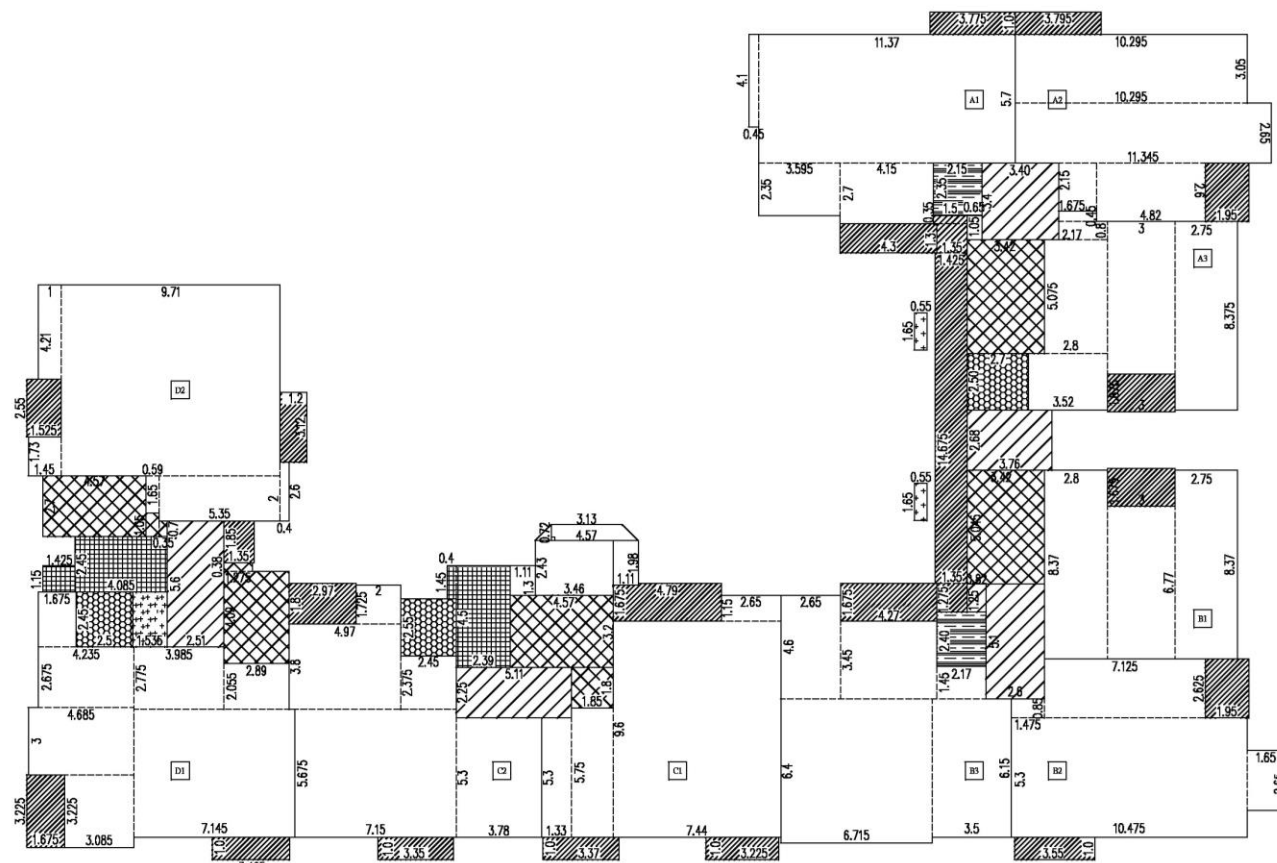


圖11-39 十七、十九層平面圖(S=1/300)

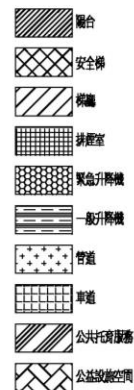


八 步行距離檢討

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	$L=3.81+3.49+4.67+3.34+1.47+0.85=17.9M < 40M$
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	$2.4x2.5+1x1.75+2.2x2.5+2.8x2.5+2.8x2.5+1x1.75=29.00m^2 > 77.83/8=9.73 \dots OK$
A2	$2.4x2.5+2.4x2.5+2.4x2.5+0.9x1.3+1.6x1.5=21.57m^2 > 69.31/8=8.66 \dots OK$
A3	$2.2x2.5+2x2.5+0.84x2.5+1x2.5+1.2x1.5=16.90m^2 > 60.73/8=7.59 \dots OK$
B1	$2.4x2.5+1.8x2.5+0.84x2.5+1x2.5+1.4x1.5=17.20m^2 > 58.64/8=7.33 \dots OK$
B2	$2.4x2.5+2.4x2.5+2.2x2.5+1.4x1.8+1x1.75+1.6x1.4=24.01m^2 > 71.44/8=8.93 \dots OK$
B3	$2.4x2.5+2.4x2.5+2.4x2.5+2x2.5+1.6x1.5=25.40m^2 > 85.35/8=10.67 \dots OK$
C1	$2.4x2.5+2.4x2.5+2.4x2.5+2x2.5+1.6x1.5=25.40m^2 > 82.94/8=10.37 \dots OK$
C2	$2.4x2.5+2.4x2.5+2.4x2.5+1.6x1.5+1x1.75=22.15m^2 > 78.75/8=9.84 \dots OK$
D1	$2.2x2.5+2.4x2.5+1.6x1.5+2x1.5+2x2.5+1.4x2.5=25.40m^2 > 89.55/8=11.19 \dots OK$
D2	$1.4x1.5+2.8x2.5+2.6x2.5+2x1.5+1.6x1.5=21.00m^2 > 83.10/8=10.39 \dots OK$



一、十七、十九層 各戶 樓地板面積計算

室內面積	
A1	$4.1x0.45+3.595x2.35+5.7x1.37+4.15x2.7=86.31m^2$
A2	$10.295x3.05+11.345x2.65+1.675x2.15+2.6x4.82=77.6m^2$
A3	$0.8x2.17+2.8x5.075+2.5x3.52+6.775x3+8.375x2.75+0.45x1.675=68.86m^2$
B1	$8.37x2.8+6.77x3+2.75x8.37=66.77m^2$
B2	$0.85x1.475+2.625x7.125+10.475x5.3+2.65x1.65=79.85m^2$
B3	$4.6x2.65+4.27x3.45+6.715x6.4+1.45x2.17+3.5x6.15=94.57m^2$
C1	$1.85x5.75+5.3x1.33+7.44x9.6+1.15x2.65=92.16m^2$
C2	$2x1.725+3.8x4.97+2.45x2.375+7.15x5.675+3.78x5.3=88.77m^2$
D1	$1.675x2.45+2.675x4.235+3x4.685+3.985x2.775+3.225x3.085+2.89x2.055+7.145x5.675=96.98m^2$
D2	$3.26x1+1.73x1.45+7.54x9.71+0.59x1.65+5.35x2+2.6x0.4=91.70m^2$
小計:	$=843.57m^2$

陽台面積	
A1	$1.0x3.775+4.3x1.3=9.37m^2$
A2	$3.795x1.0+1.95x2.6=8.87m^2$
A3	$3x1.675=5.03m^2$
B1	$3x1.675=5.03m^2$
B2	$1.95x2.625+3.55x1.0=8.67m^2$
B3	$4.27x1.675=7.15m^2$
C1	$3.68x1.675+1.6x1.11+3.38x1.0=11.32m^2$
C2	$2.97x1.8+1.0x3.35=8.70m^2$
D1	$3.225x1.675+1.0x3.425=8.83m^2$
D2	$1.525x2.55+3.12x1.2=7.63m^2$
A,B棟	$0.35x1.5+1.35x1.3+1.425x14.675+1.35x1.275=24.91m^2$
D棟	$1.35x1.85=2.50m^2$
小計:	$=108.01m^2$

樓面面積計算	
A棟	$0.65x1.05+3.4x3.4+3.76x2.68=22.32m^2$
B棟	$0.82x1.25+5.1x2.6=14.29m^2$
C棟	$2.25x5.11=11.50m^2$
D棟	$5.6x2.51=14.06m^2$
小計:	$=62.17m^2$

樓面不足2M面積計算	
A棟	$0.65x1.05=0.68m^2$
B棟	$0.82x1.25=1.03m^2$
小計:	$=1.71m^2$

樓梯面積計算	
A棟	$5.075x3.42=17.36m^2$
B棟	$5.045x3.42=17.25m^2$
C棟	$1.11x1.3+2.43x3.46+(4.57+3.13)x0.72/2+1.11x1.98+4.57x3.2+1.8x1.85=32.77m^2$
D棟	$2.7x4.57+0.59x1.05+0.35x0.7+1.275x0.38+4.09x2.89=25.51m^2$
小計:	$=92.89m^2$

升降機面積計算	
A棟	$2.35x2.15=5.05m^2$
B棟	$2.4x2.17=5.21m^2$
小計:	$=10.26m^2$

緊急升降機面積計算	
A,B棟	$2.7x2.5=6.75m^2$
C棟	$2.45x2.55=6.25m^2$
D棟	$2.5x2.45=6.13m^2$
小計:	$=19.13m^2$

排煙室面積計算	
C棟	$1.45x2.79+2.39x3.05=11.34m^2$
D棟	$2.45x4.085+1.425x1.15=11.65m^2$
小計:	$=22.99m^2$

設備間面積計算	
A,B棟	$0.55x1.65x2=1.82m^2$
D棟	$1.535x2.45=3.76m^2$
小計:	$=5.58m^2$

二、面積計算檢討

樓地板面積檢討	
	$843.57+62.17+92.89+10.26+19.13+22.99+5.58=1056.59m^2$
陽台免計容積面積檢討	
	$108.01m^2 > 1056.59x10\%=105.66m^2$
	$108.01-105.66=2.35m^2$ (超出部分計入樓地板及容積獎勵面積)
樓面免計容積面積檢討	
	$62.17-1.71=60.46m^2 < 1056.59x10\%=105.66m^2 \dots OK$
陽台+樓面免計容積面積檢討	
	$105.66+60.46=166.12m^2 > 1056.59x15\%=158.49m^2$
	$166.12-158.49=7.63m^2$ (計入容積獎勵)
設備間面積檢討	
	$92.89+19.13+22.99+5.58=140.59m^2$
當層樓地板面積檢討	
	$1056.59+2.35=1058.94m^2$
當層容積樓地板面積檢討	
	$1058.94-60.46-140.59+7.63=865.52m^2$
	(獎勵) (設備間) (容積回計容積)

三、當層戶數檢討 10戶

四、緊急升降機設置檢討

本案A,B,C棟為21層,高度74.45M建築;D棟為19層,高度67.65M建築,	
按設置三座緊急升降機, 每座應設置十七人, 高度每分鐘105公尺	
A,B棟 (11~21層) — 設置緊急升降機	
	$(86.31+79.95+68.11+66.77+79.85+94.57)x11=5231.16 > 500m^2$
C棟 (11~21層) — 設置緊急升降機	$(92.16+88.77)x11=1990.23m^2 > 500m^2$
D棟 (11~19層) — 設置緊急升降機	$(96.98+101.87)x3+(96.98+91.70)x6=1728.63m^2 > 500m^2$
E棟 (11~13層) — 免設置	$(79.21+79.95)x3=477.48m^2 < 500m^2$
F棟 (11~13層) — 免設置	$(67.42+67.13)x3=403.65m^2 < 500m^2$

五、排煙室面積檢討

A,B棟	$3.76x2.68=10.08m^2 > 10.00m^2 \dots OK$
C棟	$4.5x2.39+1.45x0.4=11.34m^2 > 10.00m^2 \dots OK$
D棟	$2.45x4.085+1.15x1.425=11.65m^2 > 10.00m^2 \dots OK$

六、特別安全梯面積檢討

A,B棟	$(17.36+17.25+10.08)=44.69m^2$
	$> (86.31+79.95+68.11+66.77+79.85+94.57)x3\%=14.27m^2$
C棟	$(31.07+11.34)=42.41m^2 > (92.16+88.77)x3\%=5.43m^2$
D棟	$(25.51+11.65)=37.16m^2 > (89.55+83.10)x3\%=5.18m^2$

七、居室面積計算

居室面積	
A1	$1.25x0.45+1.575x2.17+1.65x2.725=8.48m^2$
A2	$1.675x2.625+2.325x1.675=8.29m^2$
A3	$1.775x2.1+2.75x1.6=8.13m^2$
B1	$1.775x2.1+2.75x1.6=8.13m^2$
B2	$1.5x2.65+1.675x2.65=8.41m^2$
B3	$1.625x2.4+1.6x3.325=9.22m^2$
C1	$1.625x2.4+1.6x3.325=9.22m^2$
C2	$3.355x1.6+2.695x1.725=10.02m^2$
D1	$2.3x1.675+1.625x2.2=7.43m^2$
D2	$2.235x3.85=8.60m^2$
居室面積	
A1	$86.31-8.48=77.83m^2$
A2	$77.6-8.29=69.31m^2$
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11-40 十七、十九層面積計算圖(S=1/300)

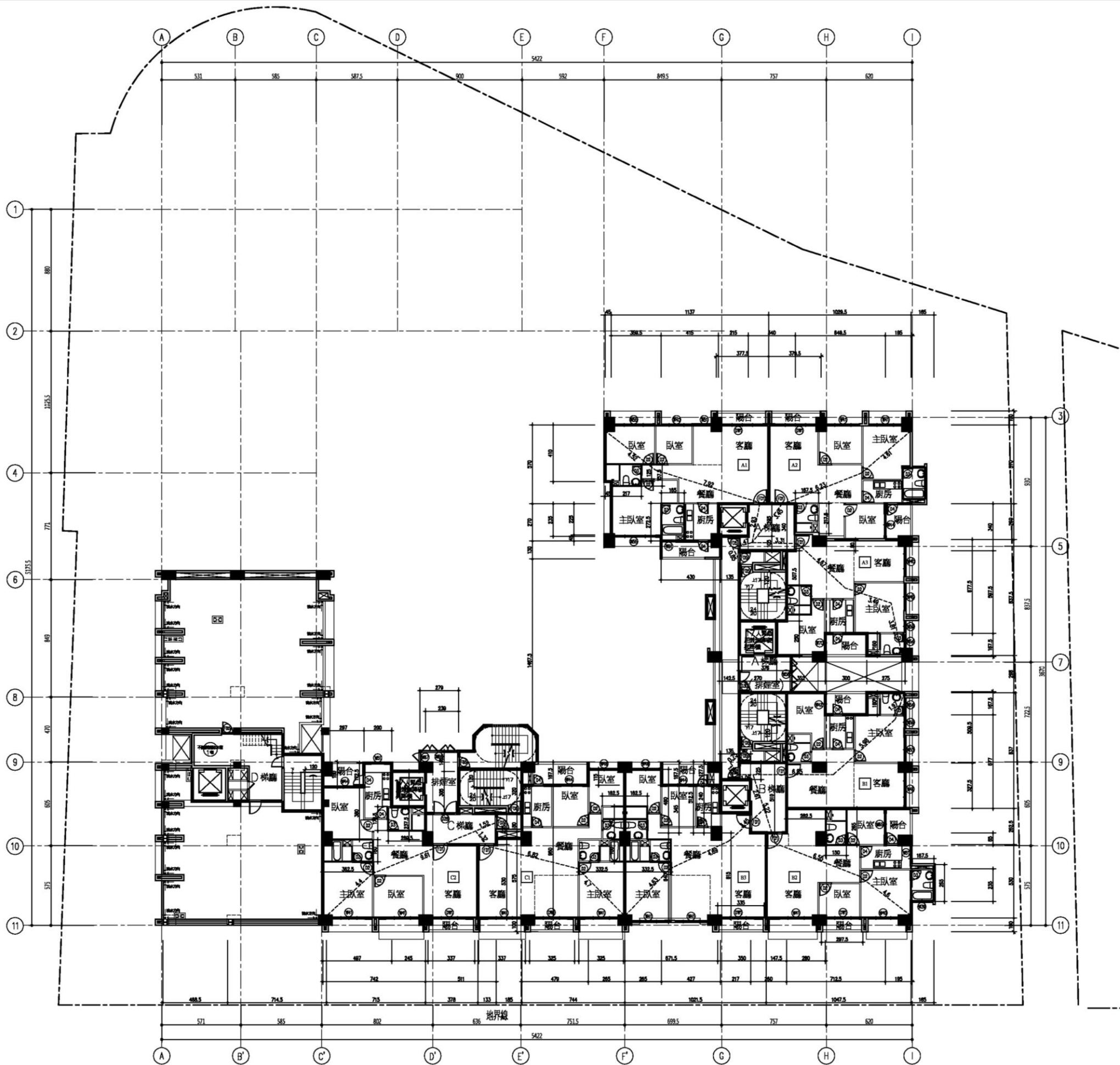


圖11-41 二十層平面圖(S=1/300)

八、步行距離檢討

步行距離

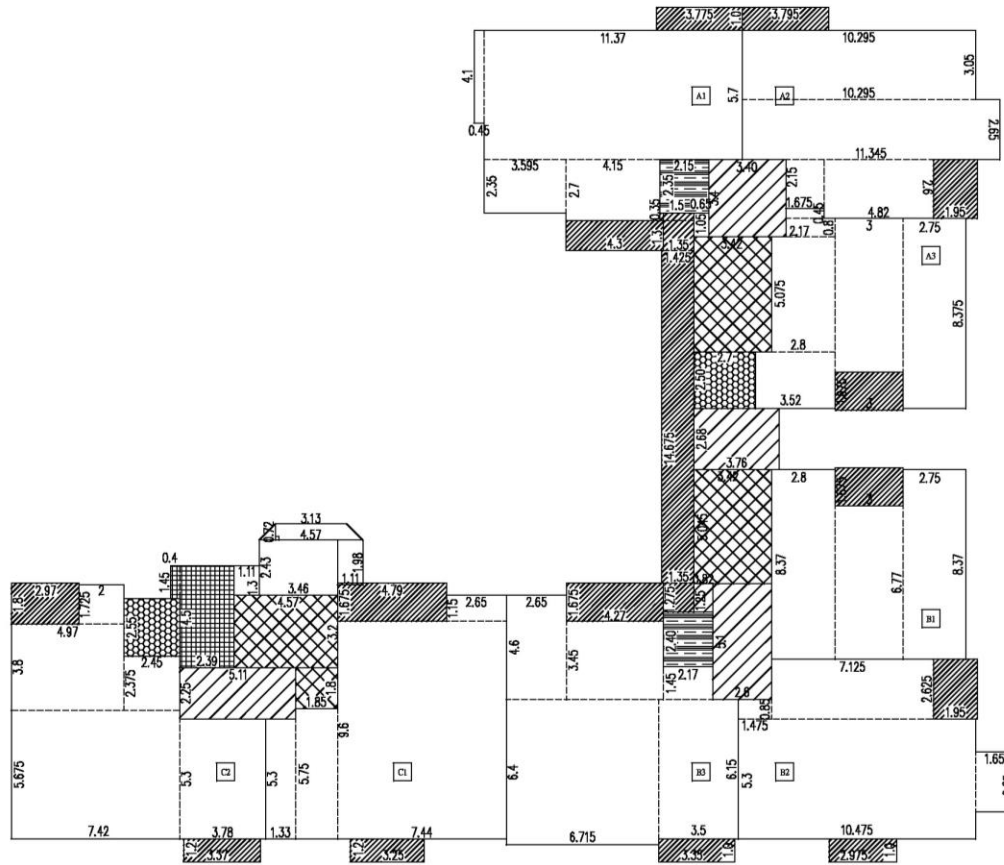
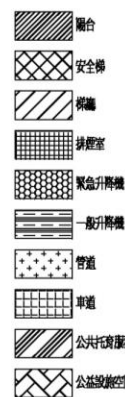
A1	L=4.52+7.92+2.93+1.47+0.85=17.69M < 40M
A2	L=4.61+6.23+3.45+1.47+0.85=16.61M < 40M
A3	L=3.81+3.49+4.67+3.31+1.47+0.85=17.6M < 40M
B1	L=1.97+5.98+6.85+1.02+0.75=16.57M < 40M
B2	L=4.6+6.55+5.22+1.05+1.02+0.75=19.19M < 40M
B3	L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2M < 40M
C1	L=4.7+6.82+1.32+1.52=14.36M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

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

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㎡ > 69.31/8=8.66 ...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+2.4x2.5+2.2x2.5+1.4x1.8+1x1.75+1.6x1.4	=24.01㎡ > 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



一、二十層 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	10.295x3.05+11.345x2.65+1.675x2.15+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	= 66.77㎡
B2	0.85x1.475+2.625x7.125+10.475x5.3+2.65x1.65	= 79.85㎡
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+7.42x5.675+3.78x5.3	= 90.30㎡
小計:		= 656.42㎡

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	1.95x2.625+3.55x1.0	= 8.67㎡
B3	4.27x1.675	= 7.15㎡
C1	3.68x1.675+1.11x1.6+3.38x1.0	= 11.32㎡
C2	2.97x1.8+1.0x3.35	= 8.70㎡
A,B棟	0.35x1.5+1.35x1.3+1.425x14.675+1.35x1.275	= 24.91㎡
小計:		= 89.05㎡

梯廳面積計算		
A棟	0.65x1.05+3.4x3.4+3.76x2.68	= 22.32㎡
B棟	0.82x1.25+5.1x2.6	= 14.29㎡
C棟	2.25x5.11	= 11.50㎡
小計:		= 48.11㎡

梯廳不足2M面積計算		
A棟	0.65x1.05	= 0.68㎡
B棟	0.82x1.2	= 1.03㎡
小計:		= 1.71㎡

樓梯面積計算		
A棟	5.075x3.42	= 17.36㎡
B棟	5.045x3.42	= 17.25㎡
C棟	1.11x1.3+2.43x3.46+(4.57+3.13)x0.72/2+1.11x1.98+4.57x3.2+1.8x1.85	= 32.77㎡
小計:		= 67.38㎡

升降機面積計算		
A棟	2.35x2.15	= 5.05㎡
B棟	2.4x2.17	= 5.21㎡
小計:		= 10.26㎡

緊急升降機面積計算		
A,B棟	2.7x2.5	= 6.75㎡
C棟	2.45x2.55	= 6.25㎡
小計:		= 13㎡

排煙室面積計算		
C棟	1.45x2.79+2.39x3.05	= 11.34㎡
小計:		= 11.34㎡

設備間面積計算		
A,B棟	0.55x1.65x2	= 1.82㎡
小計:		= 1.82㎡

二、面積計算檢討

樓地板面積檢討		
656.42+48.11+67.38+10.26+13+11.34+1.82	=	808.33㎡
陽台免計容積面積檢討		
89.05㎡	>	808.33x10%=80.83㎡
89.05-80.83=8.22㎡	(超過部分計入樓地板及容積樓地板面積)	
梯廳免計容積面積檢討		
48.11-1.71=46.40㎡	<	808.33x10%=80.83㎡ ...OK
陽台+梯廳免計容積面積檢討		
80.83+46.40=127.23㎡	<	808.33x15%=121.25㎡
127.23-121.25=5.98㎡	(超過部分計入樓地板及容積樓地板面積)	
設備間面積檢討		
67.38+13+11.34+1.82=93.54㎡		
當層樓地板面積檢討		
808.33+8.22=816.55㎡		
當層容積樓地板面積檢討		
816.55-46.40=93.54+5.98=682.59㎡		
(梯廳) (設備間) (梯廳免計容積)		

三、當層戶數檢討 8 戶

四、緊急升降機設置檢討

本案A,B,C棟為21層,高度74.45M建築;D棟為19層,高度67.65M建築,	
故設置三部緊急升降機,載降能力應十七人,速度每分鐘1.05公尺	
A,B棟 (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棟 (11~21層) - 設置緊急升降機	
(92.16+88.77)x11=1990.23㎡ > 500㎡	
D棟 (11~19層) - 設置緊急升降機	
(96.98+101.87)x3+(96.98+91.70)x6=1728.63㎡ > 500㎡	
E棟 (11~13層) - 免設置	(79.21+79.95)x3=477.48㎡ < 500㎡
F棟 (11~13層) - 免設置	(67.42+67.13)x3=403.65 < 500㎡

五、排煙室面積檢討

A,B棟	3.76x2.68=10.08㎡ > 10.00㎡...OK
C棟	4.5x2.39+1.45x0.4=11.34㎡ > 10.00㎡...OK

六、特別安全梯面積檢討

A,B棟	(17.36+17.25+10.08)=44.69㎡
>	(86.31+79.95+68.11+66.77+79.85+94.57)x3%=14.27㎡
C棟	(31.07+11.34)=42.41㎡ > (92.16+88.77)x3%=5.43㎡
D棟	(25.51+11.65)=37.16㎡ > (89.55+83.10)x3%=5.18㎡

七、居室面積計算

廚房面積		
A1	1.25x0.45+1.575x2.17+1.65x2.725	= 8.48㎡
A2	1.675x2.625+2.325x1.675	= 8.29㎡
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㎡

居室面積		
A1	86.31-8.48	= 77.83㎡
A2	77.6-8.29	= 69.31㎡
A3	68.86-8.13	= 60.73㎡
B1	66.77-8.13	= 58.64㎡
B2	79.85-8.41	= 71.44㎡
B3	93.91-9.22	= 84.69㎡
C1	92.16-9.22	= 82.94㎡
C2	88.77-10.02	= 78.75㎡

圖11-42 二十層面積計算圖(S=1/300)

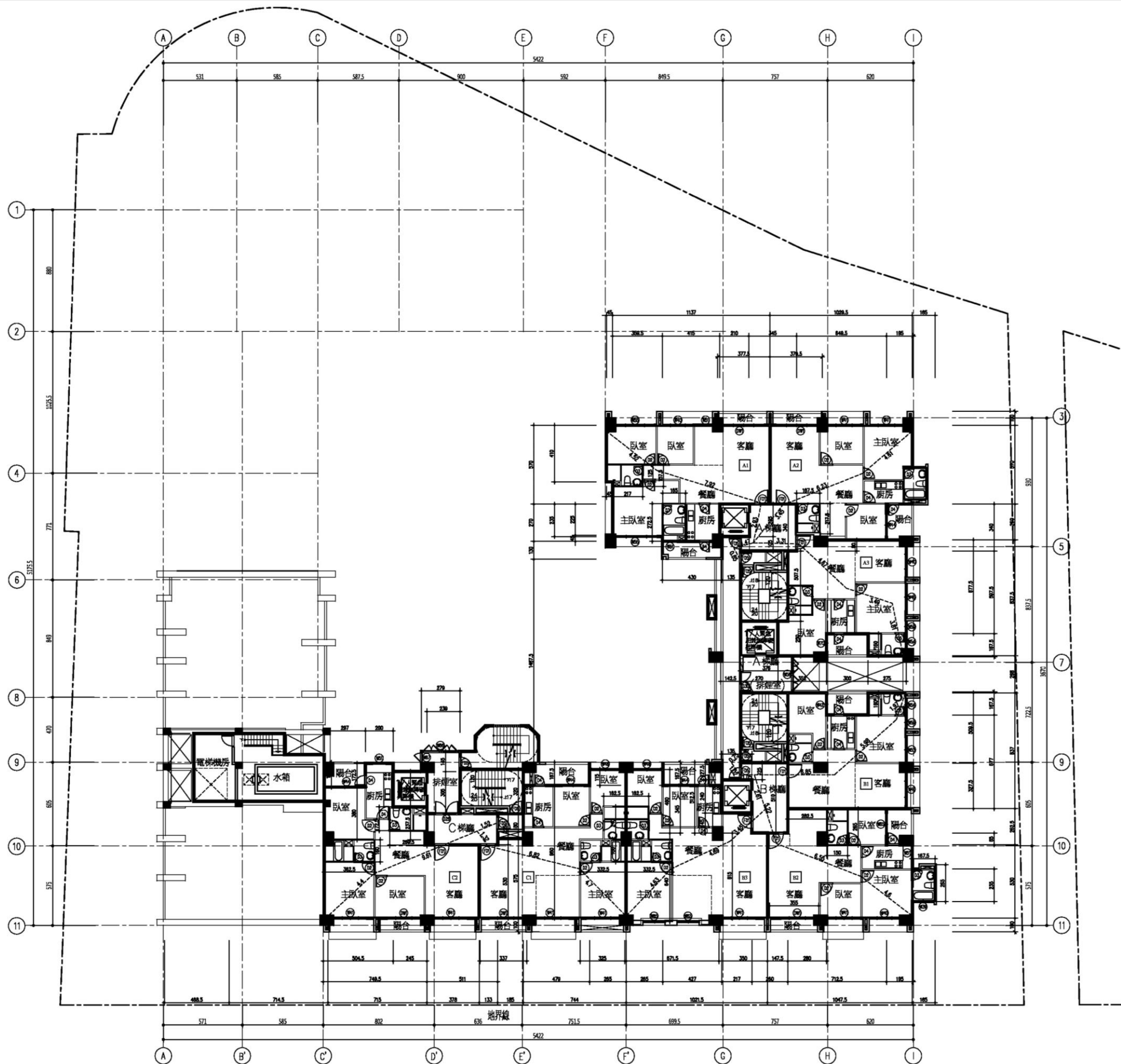
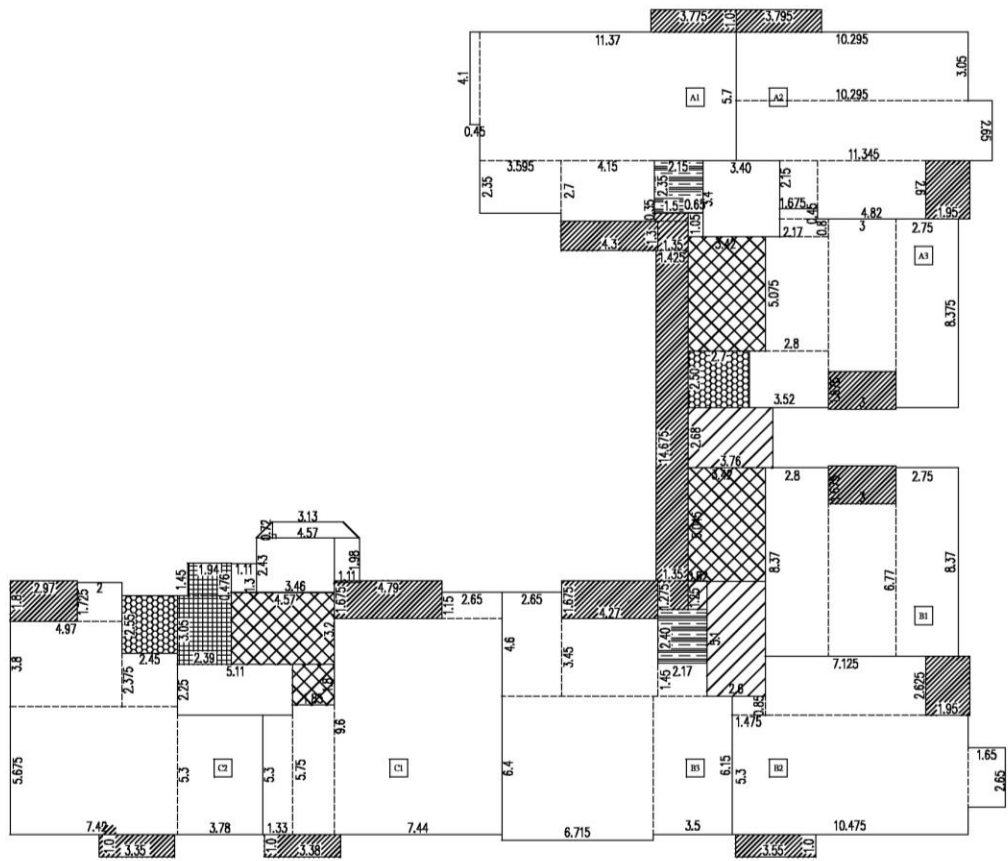


圖11-43 二十一層平面圖(S=1/300)

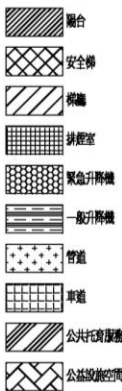


八、步行距離檢討

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=4.6+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
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

九、採光面積檢討

A1	2.4x2.5+1x1.75+2.2x2.5+2.8x2.5+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㎡ > 69.31/8=8.66 ...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+2.4x2.5+2.2x2.5+1.4x1.8+1x1.75+1.6x1.4	=24.01㎡ > 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



一、二十一層 各戶 樓地板面積計算

室內面積	
A1	4.1x0.45+3.595x2.35+5.7x1.37+4.15x2.7 = 86.31㎡
A2	10.295x3.05+11.345x2.65+1.675x2.15+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 = 66.77㎡
B2	0.85x1.475+2.625x7.125+10.475x5.3+2.65x1.65 = 79.85㎡
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+7.42x5.675+3.78x5.3 = 90.30㎡
小計	656.42㎡

陽合面積	
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	1.95x2.625+3.55x1.0 = 8.67㎡
B3	4.27x1.675 = 7.15㎡
C1	3.68x1.675+1.11x1.6+3.38x1.0 = 11.32㎡
C2	2.97x1.8+1.0x3.35 = 8.70㎡
A,B棟	0.35x1.5+1.35x1.3+1.425x14.675+1.35x1.275 = 24.91㎡
小計	89.05㎡

樓廳面積計算	
A棟	0.65x1.05+3.4x3.4+3.76x2.68 = 22.32㎡
B棟	0.82x1.25+5.1x2.6 = 14.29㎡
C棟	2.25x5.11 = 11.50㎡
小計	48.11㎡

樓廳不足2M面積計算	
A棟	0.65x1.05 = 0.68㎡
B棟	0.82x1.2 = 1.03㎡
小計	1.71㎡

樓梯面積計算	
A棟	5.075x3.42 = 17.36㎡
B棟	5.045x3.42 = 17.25㎡
C棟	1.11x1.3+2.43x3.46+(4.57+3.13)x0.72/2+1.11x1.98+4.57x3.2+1.8x1.85 = 32.77㎡
小計	67.38㎡

升降機面積計算	
A棟	2.35x2.15 = 5.05㎡
B棟	2.4x2.17 = 5.21㎡
小計	10.26㎡

緊急升降機面積計算	
A,B棟	2.7x2.5 = 6.75㎡
C棟	2.45x2.55 = 6.25㎡
小計	13㎡

排煙室面積計算	
C棟	1.45x2.79+2.39x3.05 = 11.34㎡
小計	11.34㎡

設備間面積計算	
A,B棟	0.55x1.65x2 = 1.82㎡
小計	1.82㎡

二、面積計算檢討

樓地板面積檢討	
656.42+48.11+67.38+10.26+13+11.34+1.82	= 808.33㎡
陽台免計容積面積檢討	
89.05㎡	> 808.33x10%=80.83㎡
89.05-80.83=8.22㎡	(超出部分計入樓地板及容積樓地板面積)
樓廳免計容積面積檢討	
48.11-1.71=46.40㎡	< 808.33x10%=80.83㎡ ...OK
緊急升降機免計容積面積檢討	
80.83+46.40=127.23㎡	> 808.33x15%=121.25㎡
127.23-121.25=5.98㎡	(超出部分計入樓地板及容積樓地板面積)
設備間面積檢討	
67.38+13+11.34+1.82=93.54㎡	
當層樓地板面積檢討	
808.33+8.22=816.55㎡	
當層容積樓地板面積檢討	
816.55-46.40-93.54+5.98=682.59㎡	(容積) (設備間) (樓廳免計容積)

三、當層戶數檢討 8戶

四、緊急升降機設置檢討

本案A,B,C棟為21層,高度74.45M建築;D棟為9層,高度67.65M建築,故設置三處緊急升降機,載重量達十七人,速度每分鐘105公尺	
A,B棟 (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棟 (11~21層) - 設置緊急升降機 (92.16+88.77)x11=1990.23㎡	
D棟 (11~19層) - 設置緊急升降機 (96.98+101.87)x3+(96.98+91.70)x6=1728.63㎡	
E棟 (11~13層) - 免設置 (79.21+79.95)x3=477.48㎡	
F棟 (11~13層) - 免設置 (67.42+67.13)x3=403.65㎡	

五、排煙室面積檢討

A,B棟	3.76x2.68=10.08㎡ > 10.00㎡...OK
C棟	4.5x2.39+1.45x0.4=11.34㎡ > 10.00㎡...OK

六、特別安全梯面積檢討

A,B棟 (17.36+17.25+10.08)=44.69㎡	
> (86.31+79.95+68.11+66.77+79.85+94.57)x3%=14.27㎡	
C棟 (31.07+11.34)=42.41㎡ > (92.16+88.77)x3%=5.43㎡	
D棟 (25.51+11.65)=37.16㎡ > (89.55+83.10)x3%=5.18㎡	

七、居室面積計算

廁所面積	
A1	1.25x0.45+1.575x2.17+1.65x2.725 = 8.48㎡
A2	1.675x2.625+2.325x1.675 = 8.29㎡
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㎡
居室面積	
A1	86.31-8.48 = 77.83㎡
A2	77.6-8.29 = 69.31㎡
A3	68.86-8.13 = 60.73㎡
B1	66.77-8.13 = 58.64㎡
B2	79.85-8.41 = 71.44㎡
B3	93.91-9.22 = 84.69㎡
C1	92.16-9.22 = 82.94㎡
C2	88.77-10.02 = 78.75㎡

圖11-44 二十一層面積計算圖(S=1/300)

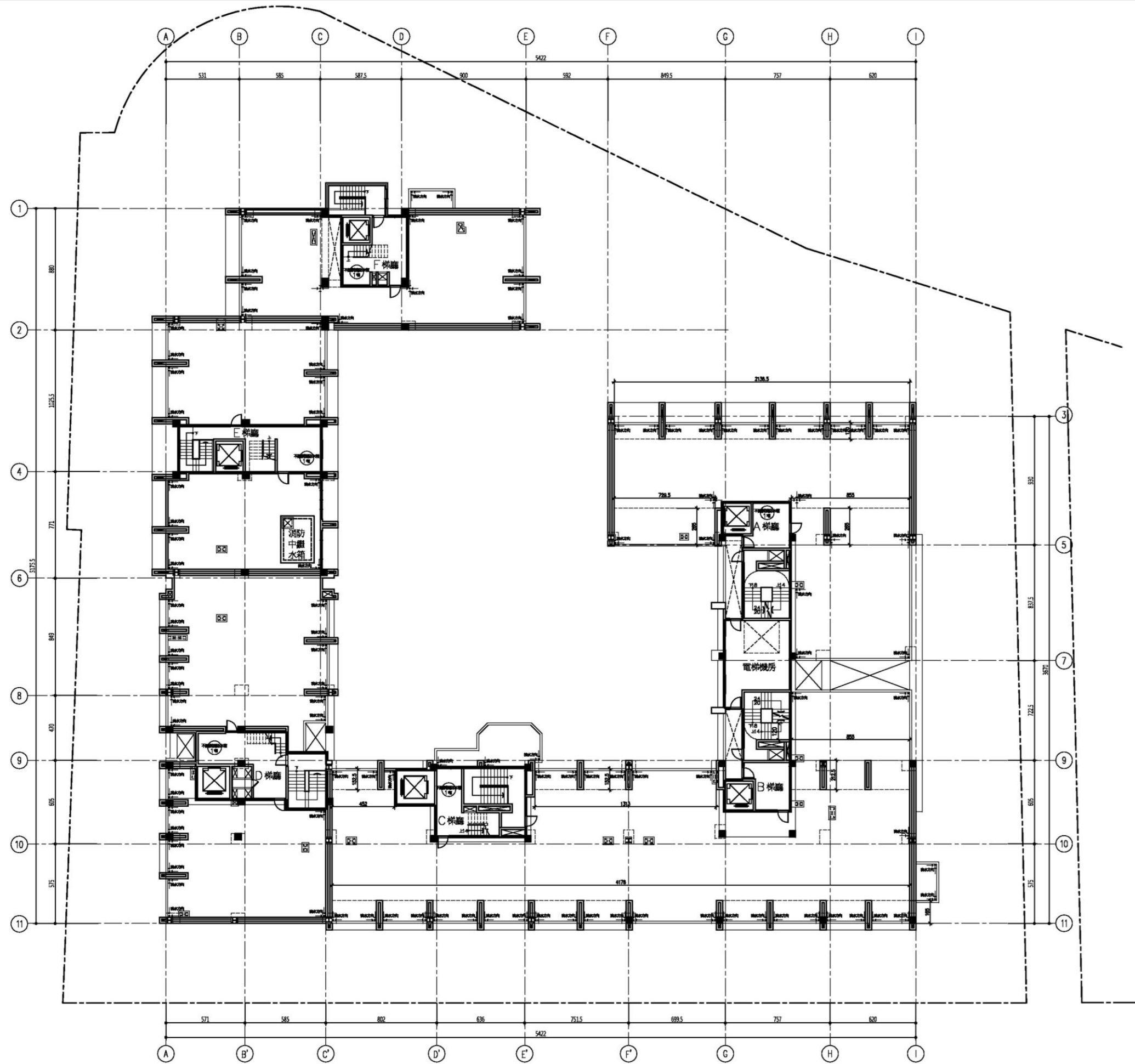
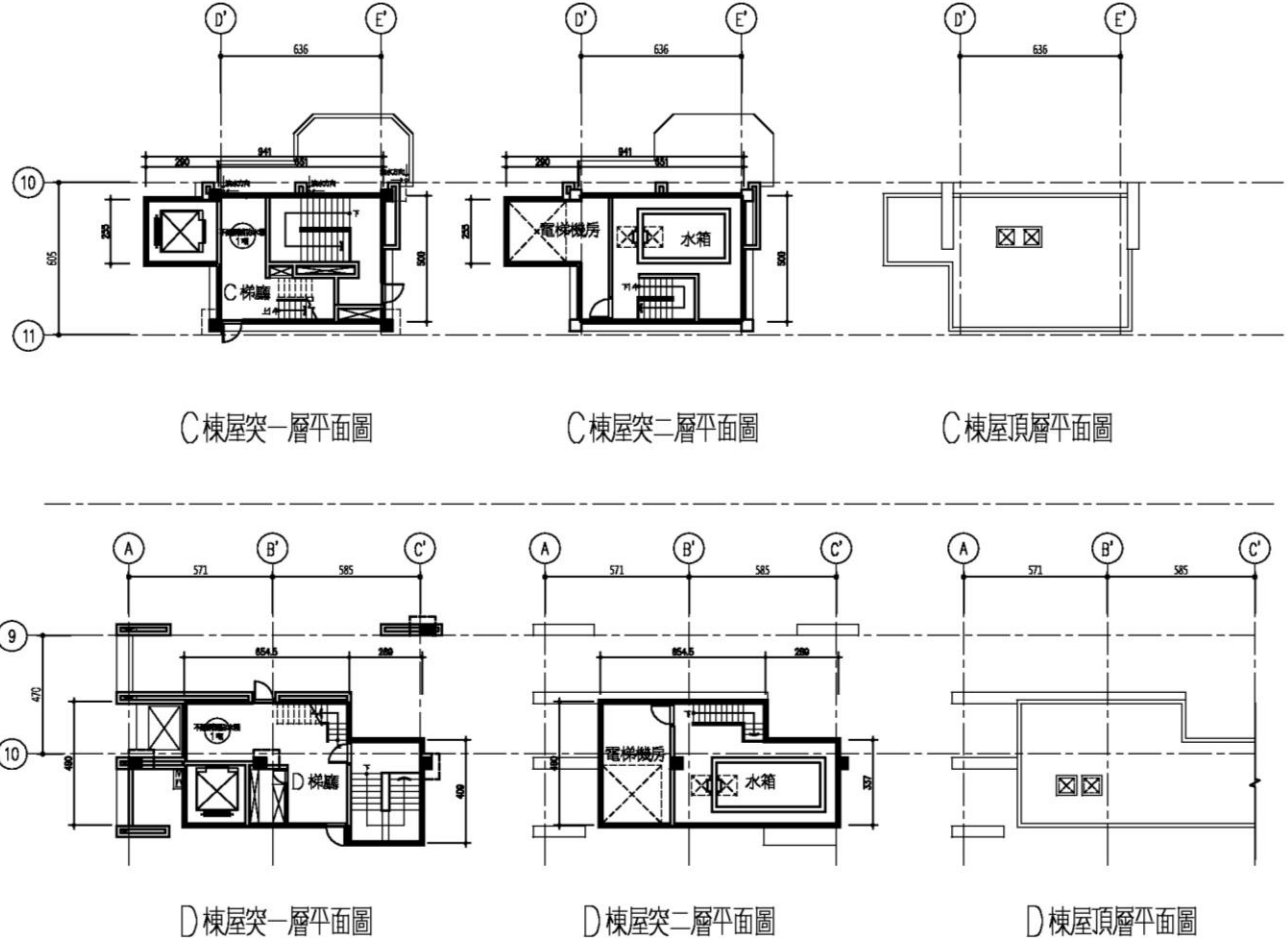
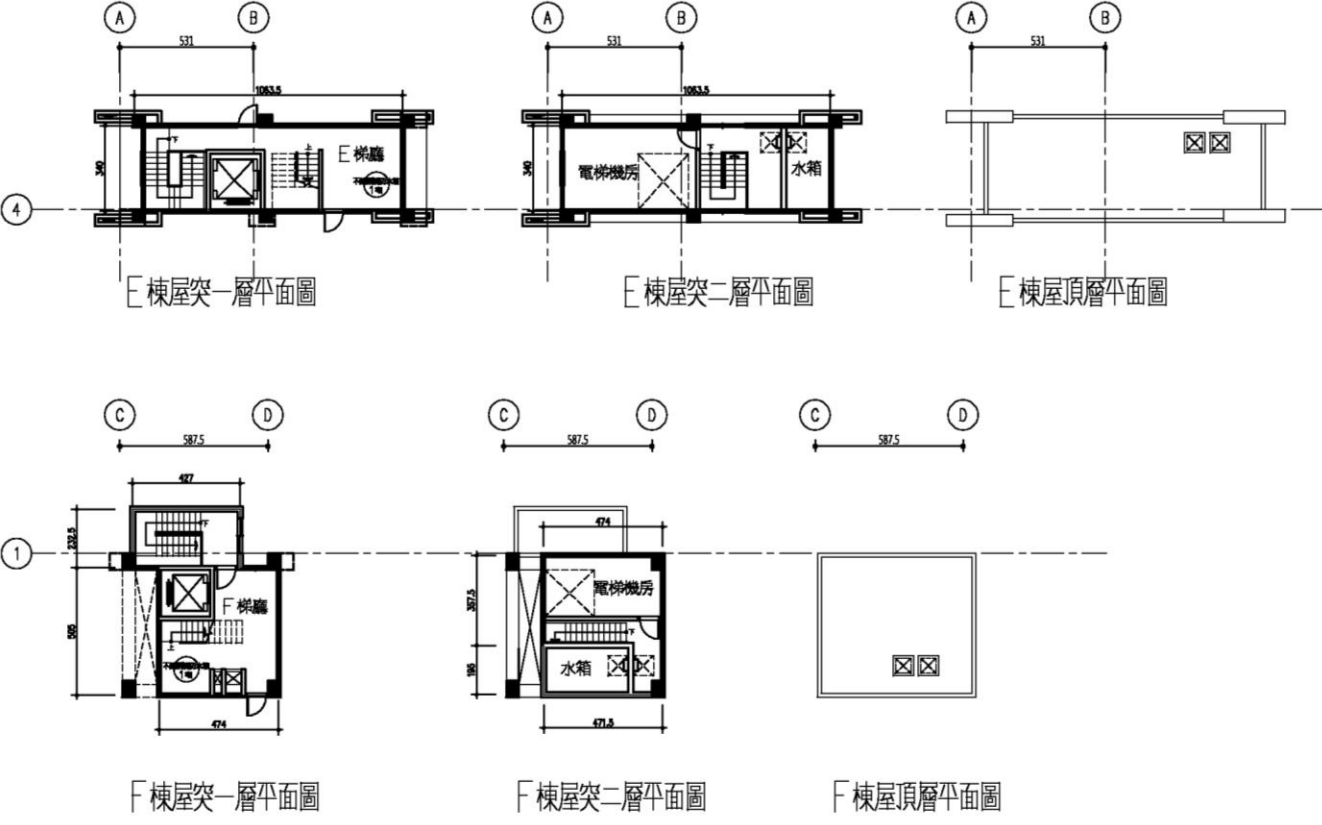
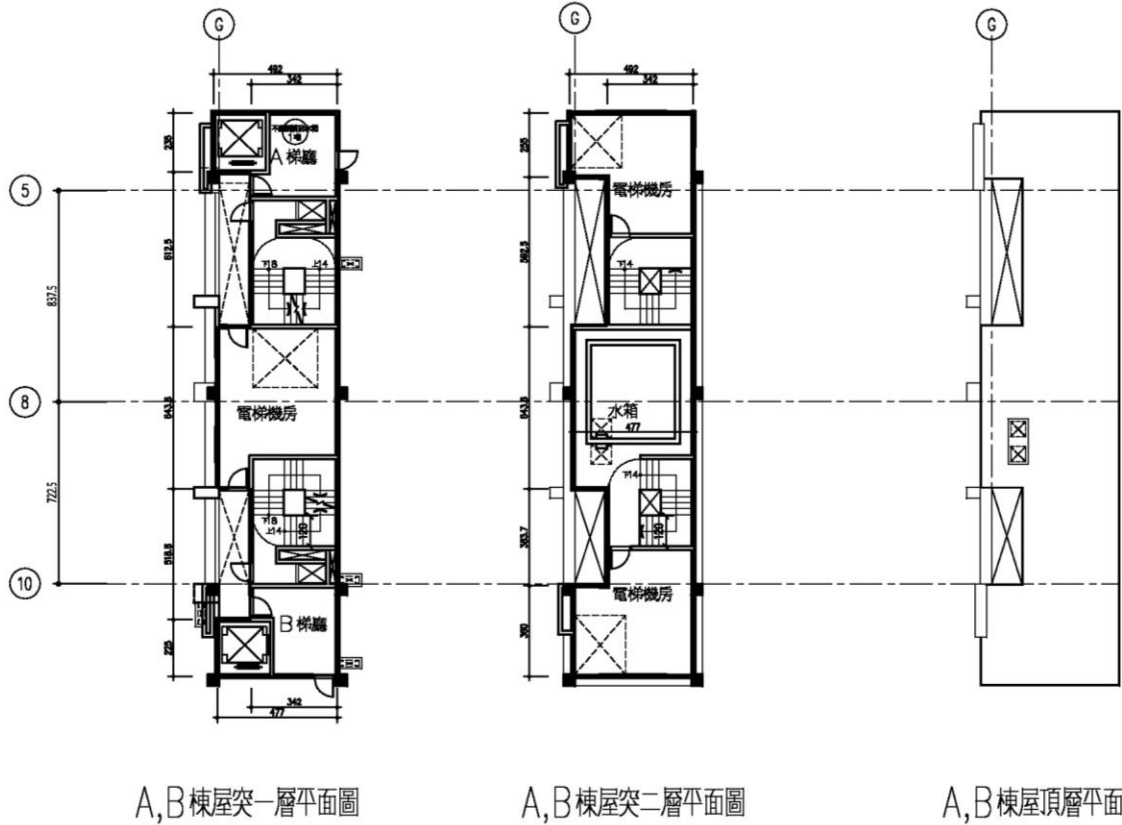


圖11-45 屋頂層平面圖(S=1/300)



一、屋突一層 樓地板面積計算

室內面積	
A,B棟	$4.92 \times 2.35 + 6.12 \times 3.42 + 4.77 \times 6.44 + 5.19 \times 3.42 + 4.77 \times 2.25 = 91.69 \text{ m}^2$
C棟	$2.55 \times 2.9 + 5 \times 6.51 = 39.95 \text{ m}^2$
D棟	$6.55 \times 4.9 + 4.09 \times 2.89 = 43.92 \text{ m}^2$
E棟	$10.31 \times 3.4 = 35.05 \text{ m}^2$
F棟	$2.33 \times 4.27 + 5.05 \times 4.74 = 33.89 \text{ m}^2$
小計:	$= 244.50 \text{ m}^2$
$244.50 \text{ m}^2 < 1636.23 \times 15\% = 245.43 \text{ OK!}$	

二、屋突二層 樓地板面積計算

室內面積	
A,B棟	$4.92 \times 2.55 + 5.92 \times 3.42 + 4.77 \times 6.44 + 3.84 \times 3.42 + 4.77 \times 3.6 = 93.82 \text{ m}^2$
C棟	$2.55 \times 2.9 + 5 \times 6.51 = 39.95 \text{ m}^2$
D棟	$4.9 \times 6.55 + 2.89 \times 3.37 = 41.83 \text{ m}^2$
E棟	$10.66 \times 3.4 = 36.24 \text{ m}^2$
F棟	$3.58 \times 4.74 + 1.95 \times 4.72 = 26.17 \text{ m}^2$
小計:	$= 238.01 \text{ m}^2$
$238.01 \text{ m}^2 < 1636.23 \times 15\% = 245.43 \text{ OK!}$	

圖11-46 屋頂層面積計算圖(S=1/300)

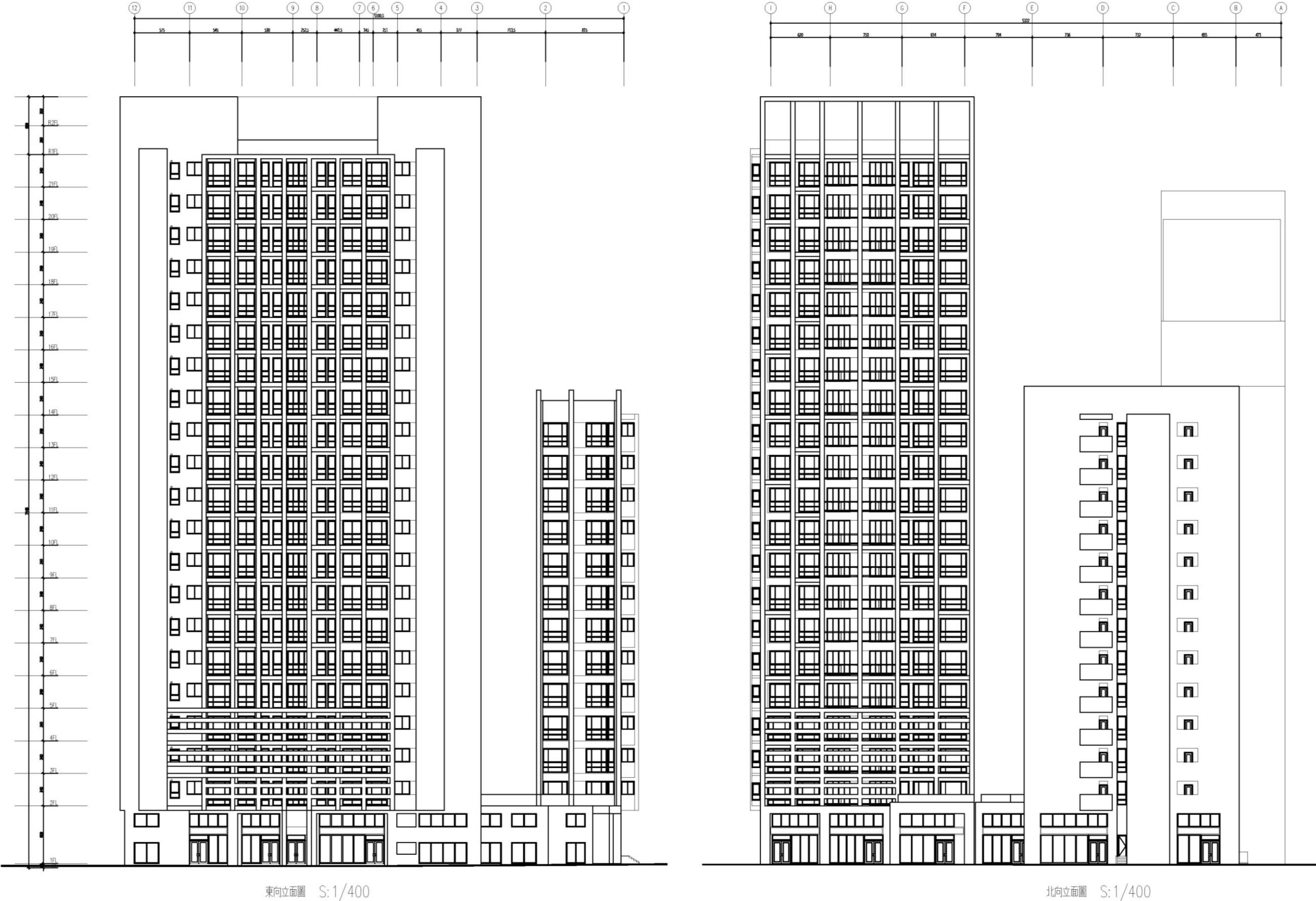
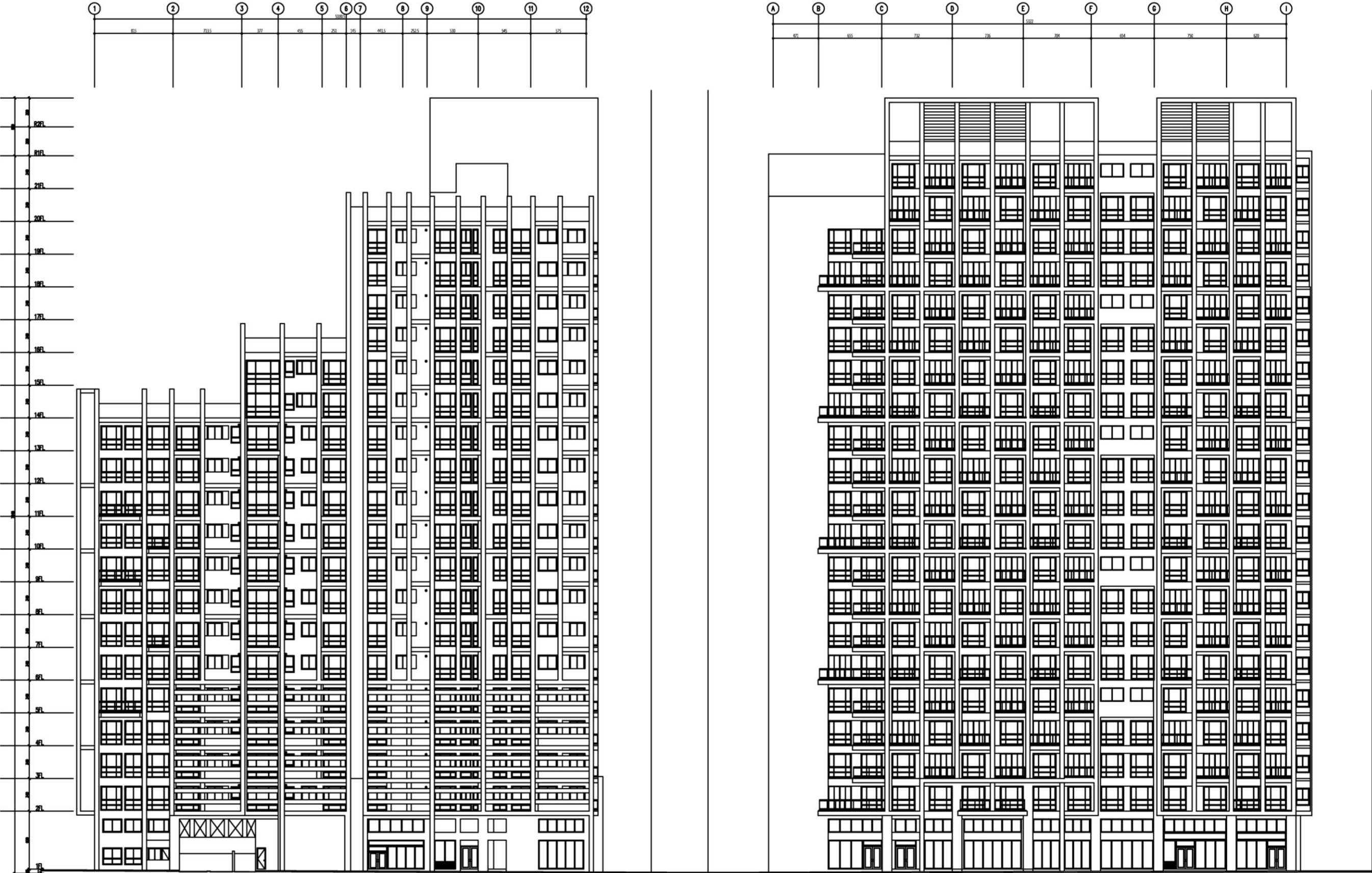


圖11-47 東向、北向立面圖(S=1/400)



西向立面圖 S:1/400

南向立面圖 S:1/400

圖11-48 西向、南向立面圖(S=1/400)

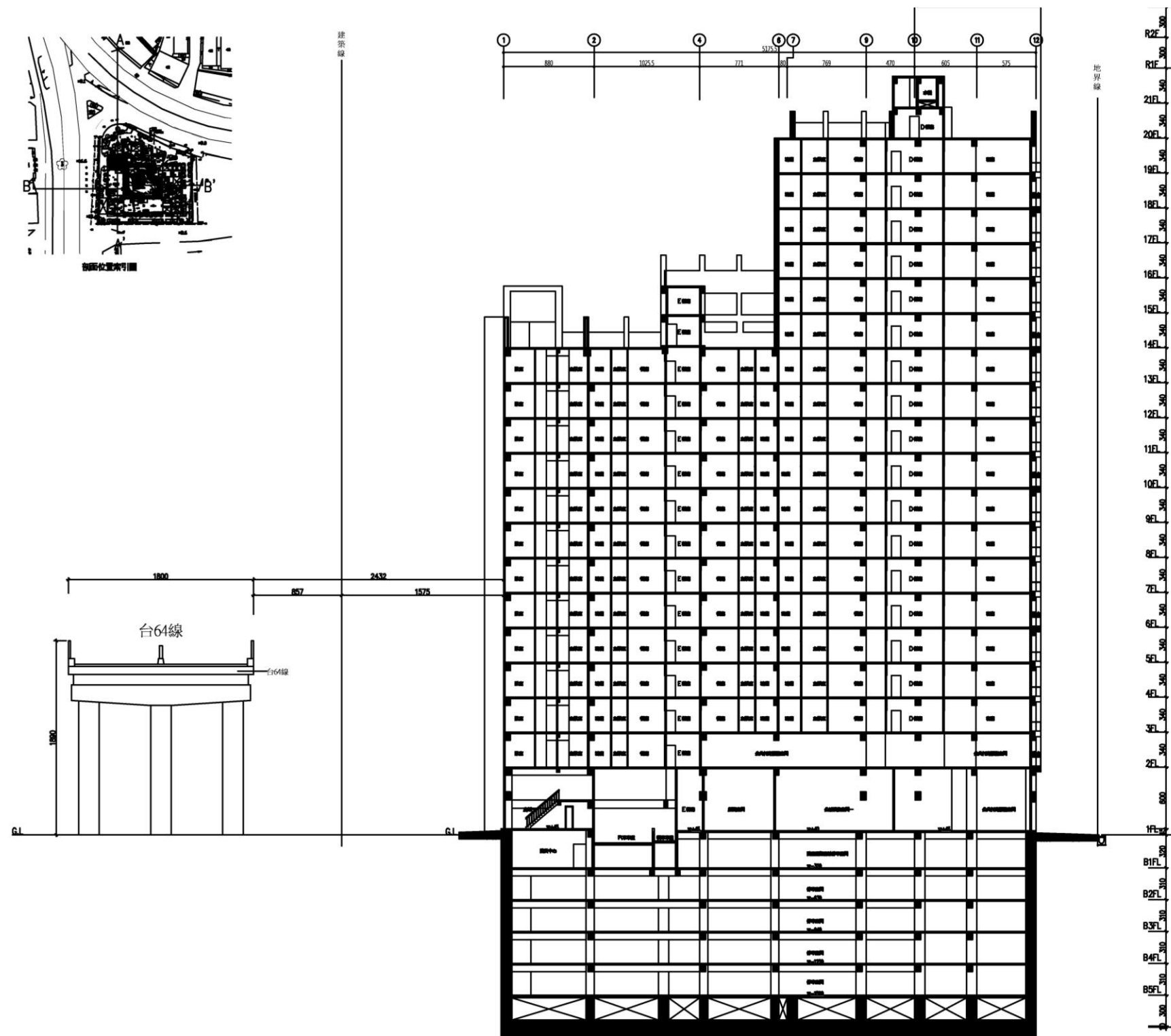


圖11-49 縱向剖面圖(S=1/500)

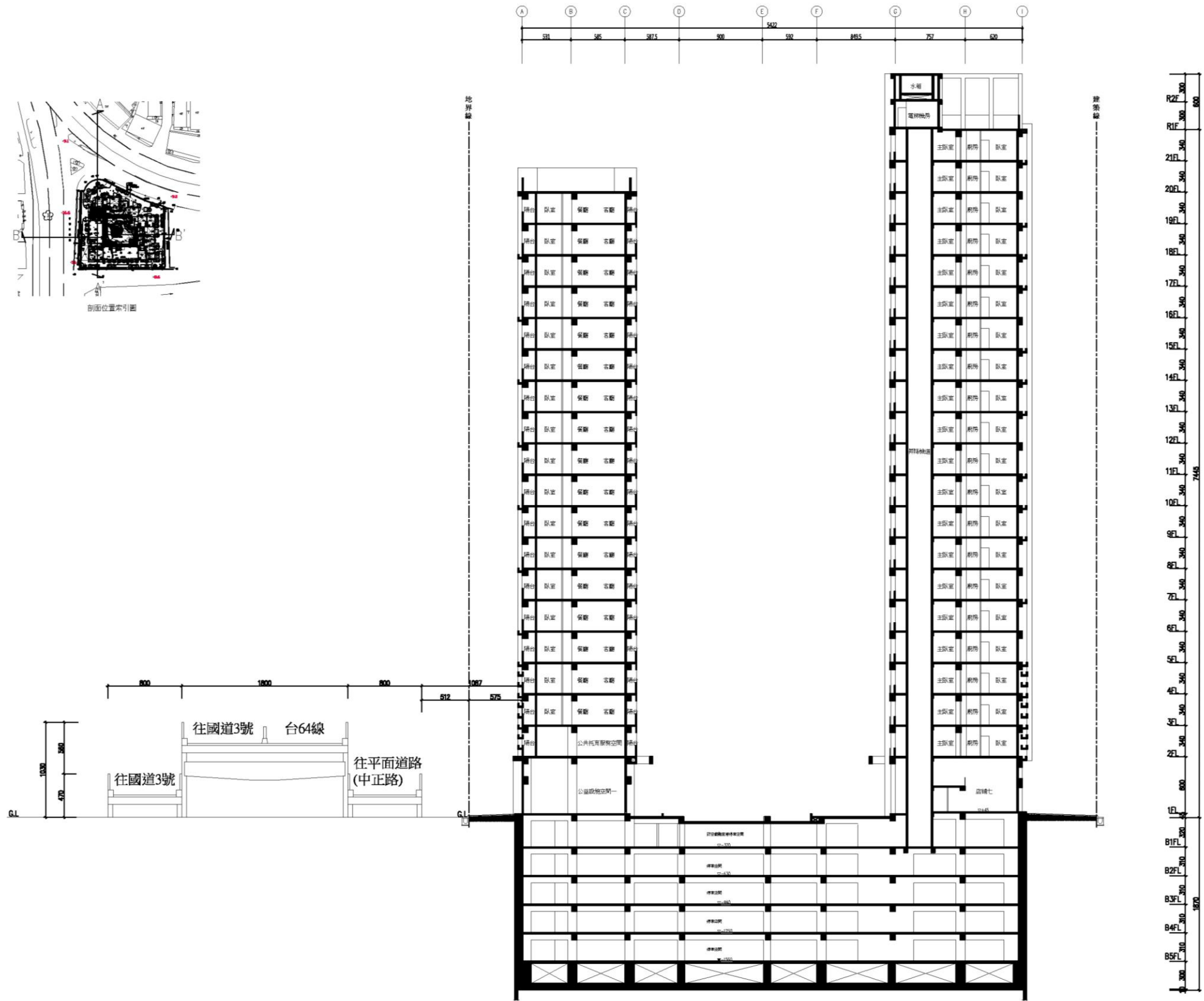


圖11-50 橫向剖面圖(S=1/500)