

八 步行距離檢討

步行距離

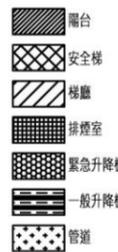
A1	L=4.52+7.92+2.93+1.47+0.85=17.69M < 40M
A2	L=4.61+6.23+3.45+1.47+0.85=16.61M < 40M
A3	L=3.81+3.49+4.67+3.31+1.47+0.85=17.6M < 40M
B1	L=1.97+5.98+6.85+1.02+0.75=16.57M < 40M
B2	L=4.6+6.55+5.22+1.05+1.02+0.75=19.19M < 40M
B3	L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2M < 40M
C1	L=4.7+6.82+1.32+1.52=14.36M < 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=4.77+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=4.6+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
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	2.4x2.5+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㎡ > 70.06/8=8.76 ...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
D1	2.2x2.5+2.4x2.5+1.6x1.5+2x1.5+2x2.5+1.4x2.5 =25.40㎡ > 89.55/8=11.19 ...OK
D2	1.4x1.5+2.8x2.5+2.6x2.5+2x1.5+1.6x1.5 =21.00㎡ > 93.27/8=11.66 ...OK
E1	2.8x2.5+2.8x2.5+2x2.5+1.6x1.5+1x1.75 =23.15㎡ > 70.61/8=8.83 ...OK
E2	2.8x2.5+2.8x2.5+2.4x2.5+1.6x1.5+1x1.75 =24.15㎡ > 70.96/8=8.87 ...OK
F1	2.4x2.5+2.4x2.5+1.8x2.5+2.2x2.5 =22.00㎡ > 59.59/8=7.45 ...OK
F2	2.2x2.5+2.2x2.5+2.6x2.5+2.2x2.5+0.9x2.5 =25.25㎡ > 57.58/8=7.20 ...OK



一、十三層 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 = 77.60㎡
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	6.15x1.47+8.55x2.33+5.6x9 = 79.36㎡
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+7.15x5.675+3.78x5.3 = 88.77㎡
D1	1.675x2.45+2.675x4.235+3x4.685+3.985x2.775+3.225x3.085+2.89x2.055+7.145x5.675 = 96.98㎡
D2	4.21x1+1.73x1.45+8.49x9.71+0.59x1.65+5.35x2+2.6x0.4 = 101.87㎡
E1	1.75x1.45+4.3x9.71+10.71x3.26 = 79.21㎡
E2	2.835x1+4.86x0.35+7.505x9.71+1.75x1.45 = 79.95㎡
F1	2.515x3.15+2.3x1.05+1.885x2+9.435x5.65 = 67.42㎡
F2	7.65x1.85+6.5x8.15 = 67.13㎡
小計:	= 1146.96㎡

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 = 1426.66㎡

陽台免計容積面積檢討

132.01㎡ < 1426.67x10%=142.67㎡ ...OK

梯廳免計容積面積檢討

90.93-1.71=89.22㎡ < 1426.67x10%=142.67㎡ ...OK

陽台+梯廳免計容積面積檢討

132.01+89.22=221.23㎡ > 1426.67x15%=214.00㎡ ...OK

221.23-214.00=7.23㎡ (計入容積獎勵)

設備間面積檢討

132.9+19.13+11.65+5.58=169.26㎡

當層容積樓地板面積檢討

1426.66-89.22-169.26+7.23=1175.41㎡ (獎勵) (獎勵) (獎勵+陽台獎勵 5%獎勵)

三、當層戶數檢討 14戶

四、緊急升降機設置檢討

本案A、B、C棟21層，高74.45M；D棟19層，高67.65M；E、F棟13層，高42.41M。

故設置三處緊急升降機，載能力十七人，載重每分鐘0.05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

D棟 2.45x4.085+1.15x1.425=11.65㎡ > 10.00㎡...OK

六、特別安全梯面積檢討

A、B棟 (17.36+17.25+10.08)=44.69㎡

> (77.83+71.87+59.98+58.64+71.44+85.35)x3%=12.75㎡

C棟 (31.07+11.34)=42.41㎡ > (82.94+78.75)x3%=4.85㎡

D棟 (25.51+11.65)=37.16㎡ > (89.55+93.27)x3%=5.48㎡

七、居室面積計算

廚房面積

A1	1.25x0.45+1.575x2.17+1.65x2.725 = 8.48㎡
A2	1.675x2.175+1.675x2.325 = 7.54㎡
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㎡
D1	2.3x1.675+1.625x2.2 = 7.43㎡
D2	2.235x3.85 = 8.60㎡
E1	2.235x3.85 = 8.60㎡
E2	1.675x0.35+1.81x4.1+0.415x2.36 = 8.99㎡
F1	1.885x2.025+1.825x2.2 = 7.83㎡
F2	1.675x2.675+3.825x1.325 = 9.55㎡

居室面積

A1	86.31-8.48 = 77.83㎡
A2	77.6-7.54 = 70.06㎡
A3	68.86-8.13 = 60.73㎡
B1	66.77-8.13 = 58.64㎡
B2	79.85-8.41 = 71.44㎡
B3	94.57-9.22 = 85.35㎡
C1	92.16-9.22 = 82.94㎡
C2	88.77-10.02 = 78.75㎡
D1	96.98-7.43 = 89.55㎡
D2	101.87-8.60 = 93.27㎡
E1	79.21-8.60 = 70.61㎡
E2	79.95-8.99 = 70.96㎡
F1	67.42-7.83 = 59.59㎡
F2	67.13-9.55 = 57.58㎡

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	1.35x3.0+3.55x1.0 = 7.60㎡
B3	4.27x1.675 = 7.15㎡
C1	3.68x1.675+1.11x1.6+3.37x1.0 = 11.31㎡
C2	2.97x1.8+1.0x3.35 = 8.70㎡
D1	3.225x1.675+1.0x3.425 = 8.83㎡
D2	1.525x2.55+3.12x1.2 = 7.63㎡
E1	1.525x2.55+3.12x1.2 = 7.63㎡
E2	2.92x1.525+3.12x1.2 = 8.20㎡
F1	2.3x1.525 = 3.51㎡
F2	2x1.425+1.925x1.5 = 5.74㎡
A、B、C棟	0.35x1.5+1.35x1.3+1.425x1.675+1.35x1.275 = 24.91㎡
D棟	1.35x1.85 = 2.50㎡
小計:	= 132.01㎡

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+4.5x2.39+1.45x0.4 = 22.83㎡
D棟	5.6x2.51 = 14.06㎡
E棟	2.4x3.4 = 8.16㎡
F棟	2.29x4.05 = 9.27㎡
小計:	= 90.93㎡

梯廳不足M面積計算

A棟	0.65x1.05 = 0.68㎡
B棟	0.82x1.25 = 1.03㎡
C棟	1.45x0.4 = 0.58㎡
小計:	= 2.29㎡

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㎡
D棟	2.7x4.57+0.59x1.05+0.35x0.7+1.275x0.38+4.09x2.89 = 25.51㎡
E棟	3.4x2.59+2.15x1.05+3.4x3.17 = 21.84㎡
F棟	2.325x4.27+2.29x3.6 = 18.17㎡
小計:	= 132.9㎡

升降機面積計算

A棟	2.35x2.15 = 5.05㎡
B棟	2.4x2.17 = 5.21㎡
E棟	2.35x2.15 = 5.05㎡
F棟	2.1x2 = 4.20㎡
小計:	= 19.51㎡

緊急升降機面積計算

A、B棟	2.7x2.5 = 6.75㎡
C棟	2.45x2.55 = 6.25㎡
D棟	2.5x2.45 = 6.13㎡
小計:	= 19.13㎡

排煙室面積計算

D棟	2.45x4.085+1.425x1.15 = 11.65㎡
小計:	= 11.65㎡

設備間面積計算

A、B棟	0.55x1.65x2 = 1.82㎡
D棟	1.535x2.45 = 3.76㎡
小計:	= 5.58㎡

圖11-32 十三層面積計算圖(S=1/300)

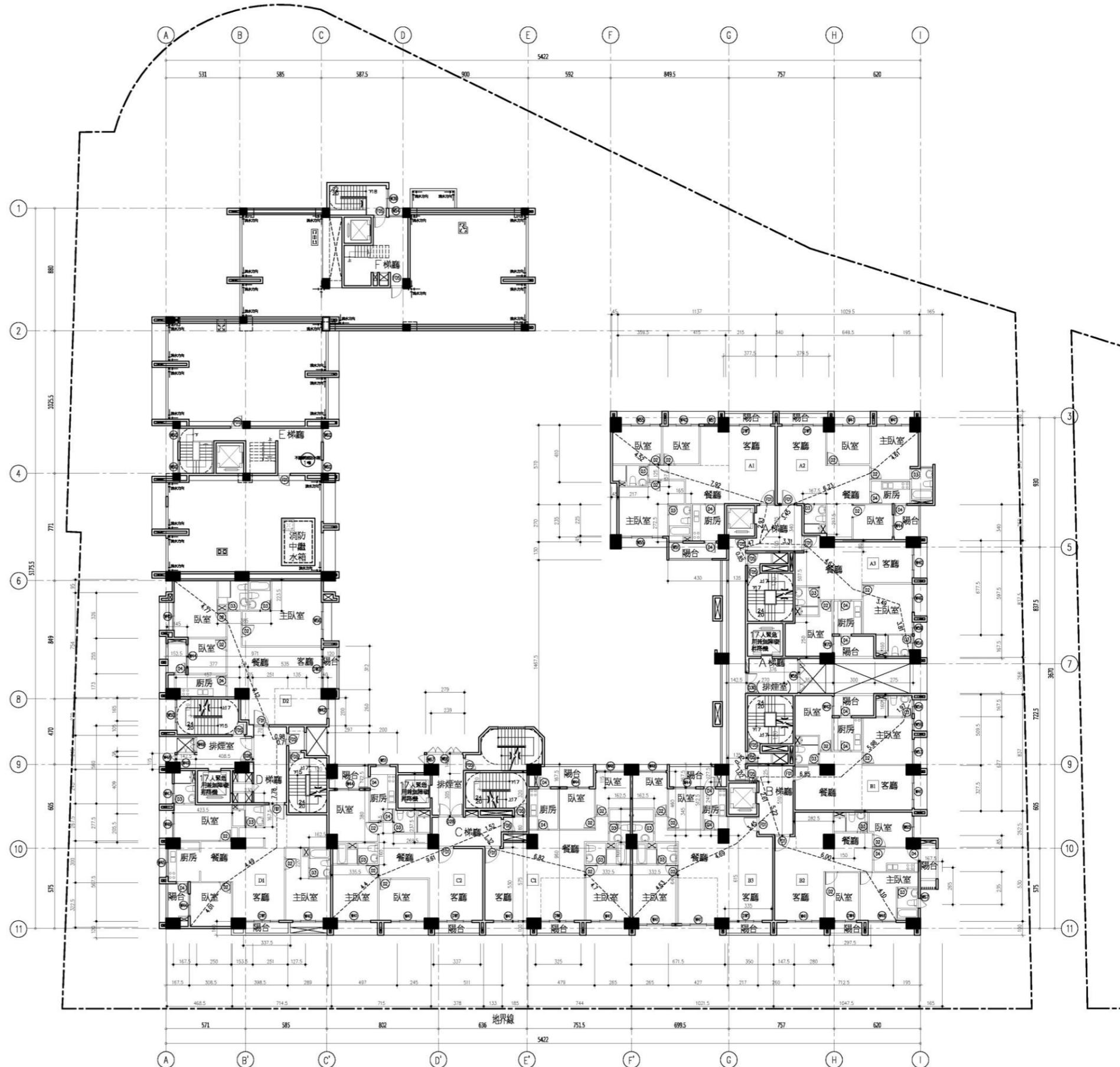


圖11-33 十四層平面圖(S=1/300)

一、十四層 各戶 樓地板面積計算

Table with columns for room type (室內面積, 陽台面積, 緊急升降機, etc.), room ID (A1, A2, B1, etc.), dimensions, and area in square meters.

二、面積計算檢核

Table showing area calculation checks for floor area, common area, and other metrics with formulas and results.

三、當層戶數檢核 10 戶

四、緊急升降機設置檢核

Table detailing emergency elevator placement checks for various units (A, B, C, D, E, F) with calculations for area and capacity.

五、排煙室面積檢核

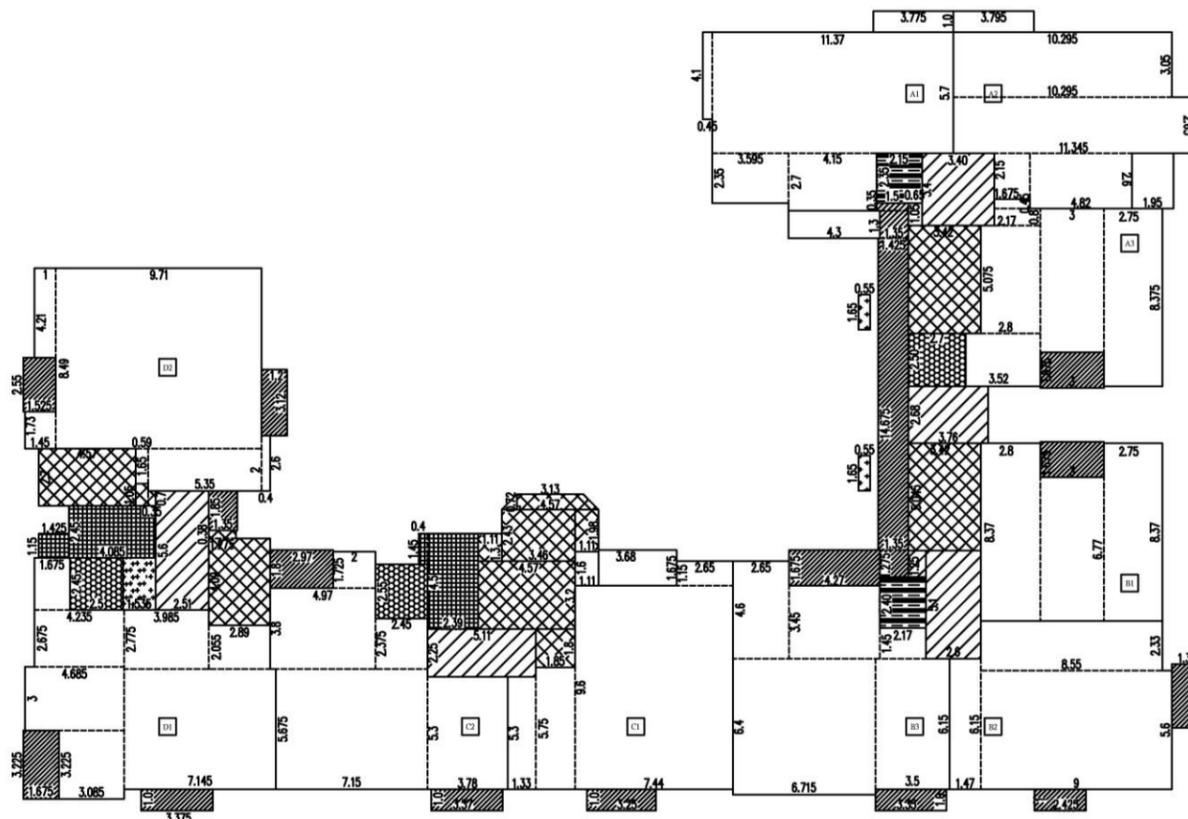
Table for smoke room area checks for units A, B, C, and D.

六、特別安全梯面積檢核

Table for special safety staircase area checks for units A, B, and C.

七、居室面積計算

Table for room area calculations for units A1 through D2.



八、步行距離檢核

Table for walking distance checks for units A1 through D2, comparing calculated distances to 40M.

Table for walking distance checks for units A1 through D2, comparing calculated distances to 20M.

九、採光面積檢核

Table for lighting area checks for units A1 through D2, comparing calculated area to required area.

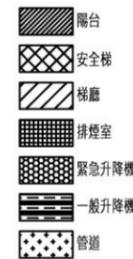


Table for elevator area calculations for units A and B.

Table for emergency elevator area calculations for units A, B, C, and D.

Table for smoke room area calculations for units C and D.

Table for room area calculations for units A, B, C, and D.

圖 11-34 十四層面積計算圖(S=1/300)