

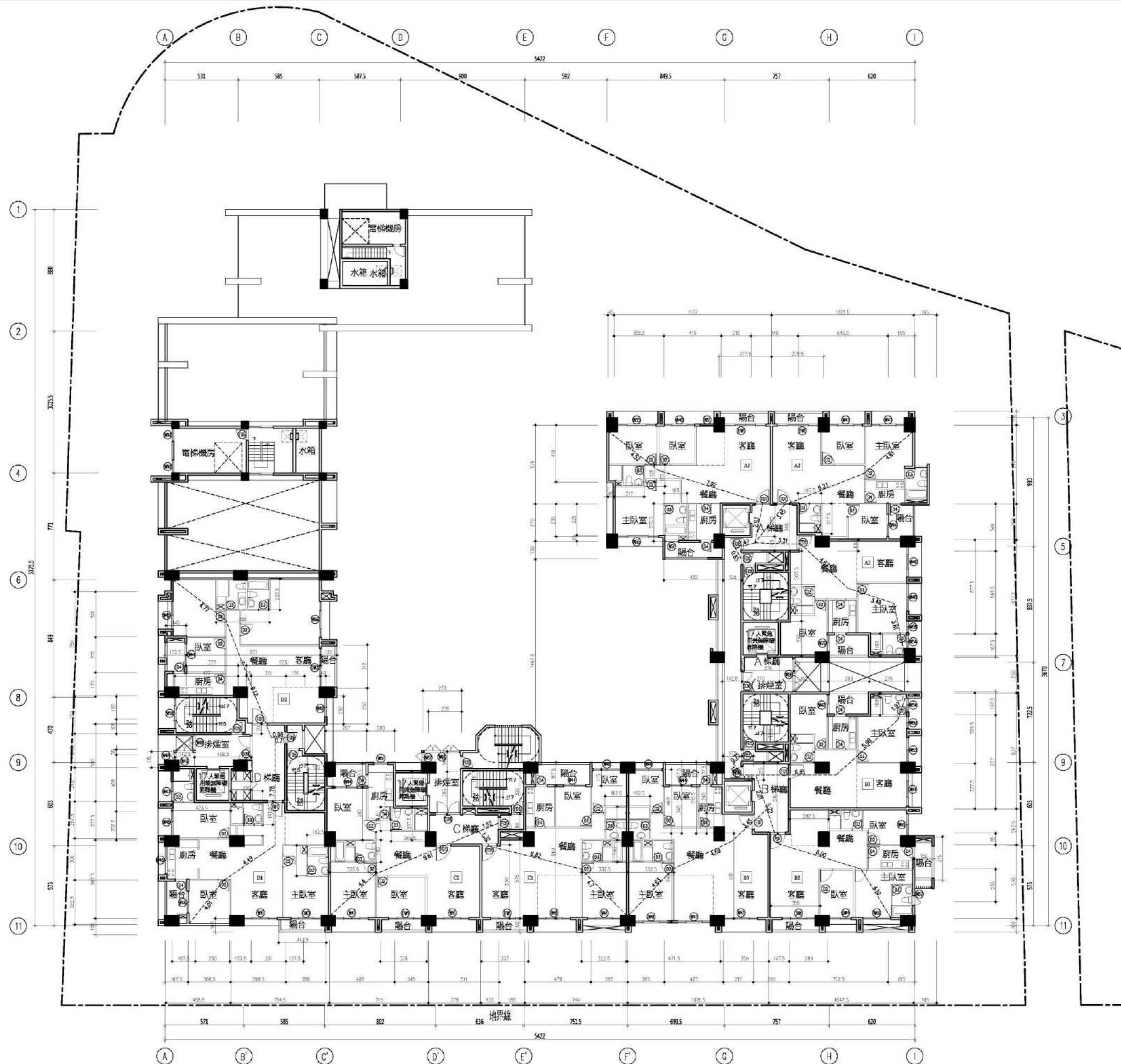


圖11-35 十五層平面圖(S=1/300)

八、步行距離檢討

步行距離

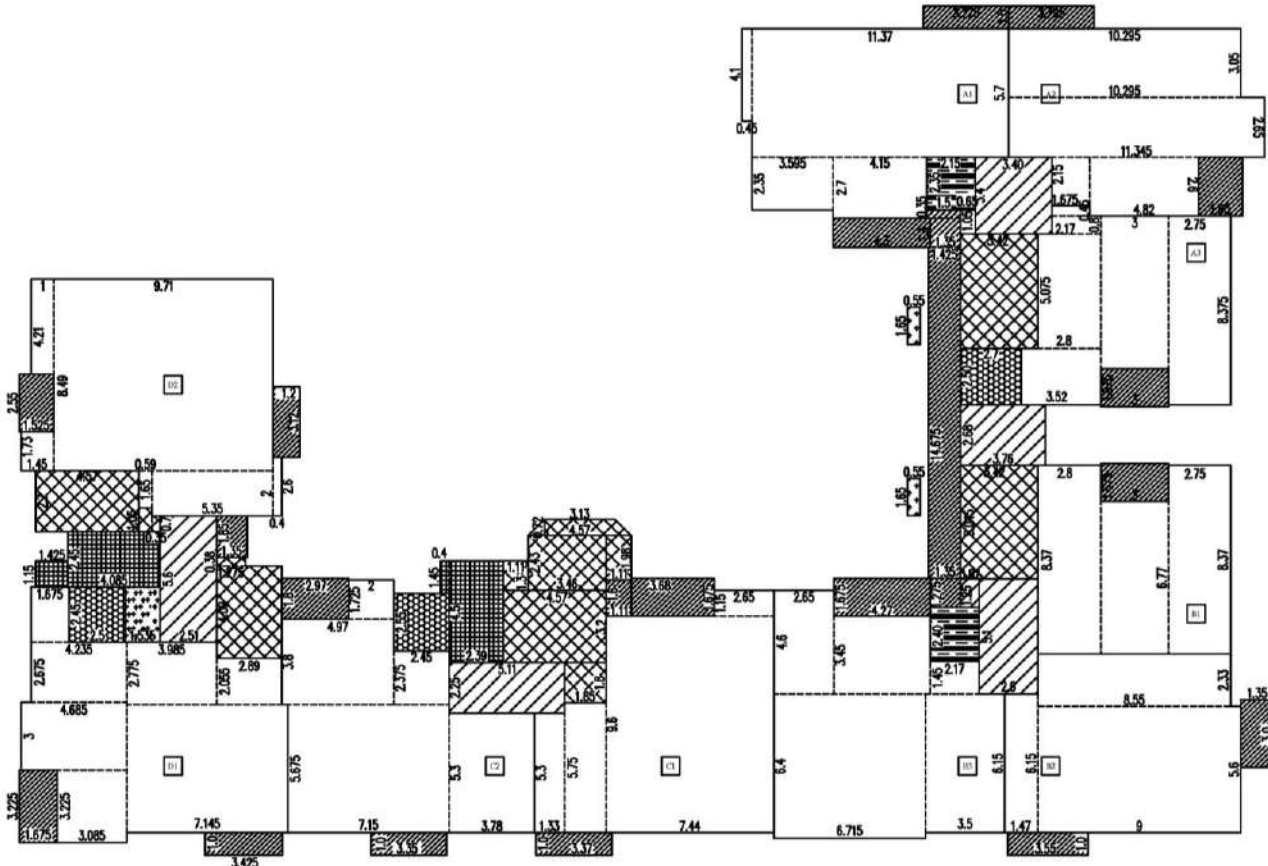
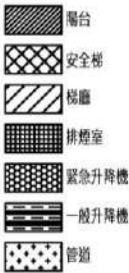
|    |                                                    |
|----|----------------------------------------------------|
| A1 | $L=4.52+7.92+2.93+1.47+0.85=17.69M < 40M$          |
| A2 | $L=4.61+6.23+3.45+1.47+0.85=16.61M < 40M$          |
| A3 | $L=3.81+3.49+4.67+3.31+1.47+0.85=17.6M < 40M$      |
| 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 | $L=9.61+4.4=14.01M < 40M$                          |
| 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 | $2.4x2.5+2.4x2.5+2.4x2.5+0.9x1.3+1.6x1.5=21.57m^2 > 70.06/8=8.76 \dots OK$        |
| 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、十五層 各戶 樓地板面積計算

|      |                                                                                 |               |
|------|---------------------------------------------------------------------------------|---------------|
| 室內面積 |                                                                                 |               |
| A1   | $4.1x0.45+3.595x2.35+5.7x11.37+4.15x2.7$                                        | $= 86.31m^2$  |
| 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   | $6.15x1.47+8.55x2.33+5.6x9$                                                     | $= 79.36m^2$  |
| 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   | $3.26x1+1.73x1.45+7.54x9.71+0.59x1.85+5.35x2+2.6x0.4$                           | $= 91.70m^2$  |
| 小計   |                                                                                 | $= 843.08m^2$ |

|      |                                             |               |
|------|---------------------------------------------|---------------|
| 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   | $1.35x3.0+3.55x1.0$                         | $= 7.60m^2$   |
| B3   | $4.27x1.675$                                | $= 7.15m^2$   |
| C1   | $3.68x1.675+1.11x1.6+3.37x1.0$              | $= 11.31m^2$  |
| 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樓 | $0.35x1.5+1.35x1.3+1.425x14.675+1.35x1.275$ | $= 24.91m^2$  |
| D樓   | $1.35x1.85$                                 | $= 2.50m^2$   |
| 小計   |                                             | $= 106.93m^2$ |

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

|            |             |             |
|------------|-------------|-------------|
| 樓梯不足2M面積計算 |             |             |
| A樓         | $0.65x1.05$ | $= 0.68m^2$ |
| B樓         | $0.82x1.25$ | $= 1.03m^2$ |
| 小計         |             | $= 1.71m^2$ |

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

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

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

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

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

二、面積計算檢討

|               |                                                         |  |
|---------------|---------------------------------------------------------|--|
| 樓地板面積檢討       |                                                         |  |
|               | $843.08+62.17+92.89+10.26+19.13+22.99+5.58=1056.10m^2$  |  |
| 陽台合計容積面積檢討    | $106.93m^2 > 1056.10x10\%=105.61m^2$                    |  |
|               | $106.93-105.61=1.32m^2$ (計入容積總和)                        |  |
| 樓梯合計容積面積檢討    | $62.17-1.71=60.46m^2 < 1056.10x10\%=105.61m^2 \dots OK$ |  |
| 陽台+樓梯合計容積面積檢討 | $105.61+60.46=166.07m^2 > 1056.10x15\%=158.41m^2$       |  |
|               | $166.07-158.41=7.66m^2$ (計入容積總和)                        |  |
| 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   | (陽台總和 0% 扣除)                                            |  |
|               | $1057.81-60.46-140.59+7.66+1.32=865.74m^2$              |  |
|               | (附屬) (附屬) (附屬+陽台總和 5% 扣除)                               |  |

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;附屬,連設三層緊急升降機,緊急應力十七人,應急分組05公尺 |                                                             |
| A,B樓 (11~21層) - 設置緊急升降機                                          |                                                             |
|                                                                  | $(86.31+79.95+68.11+66.77+79.85+94.57)x11=5231.16 > 500m^2$ |
| C樓 (11~21層) - 設置緊急升降機                                            | $(92.16+88.77)x11=1990.23m^2 > 500m^2$                      |
| D樓 (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樓 (11~13層) - 免設置                                                | $(79.21+79.95)x3=477.48m^2 < 500m^2$                        |
| F樓 (11~13層) - 免設置                                                | $(67.42+67.13)x3=403.65 < 500m^2$                           |

五、排煙室面積檢討

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

六、特別安全梯面積檢討

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

七、居室面積計算

|      |                                   |              |
|------|-----------------------------------|--------------|
| 廁所面積 |                                   |              |
| A1   | $1.25x0.45+1.575x2.17+1.65x2.725$ | $= 8.48m^2$  |
| A2   | $1.675x2.175+1.675x2.325$         | $= 7.54m^2$  |
| 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   | $77.6-7.54$   | $= 70.06m^2$ |
| 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)

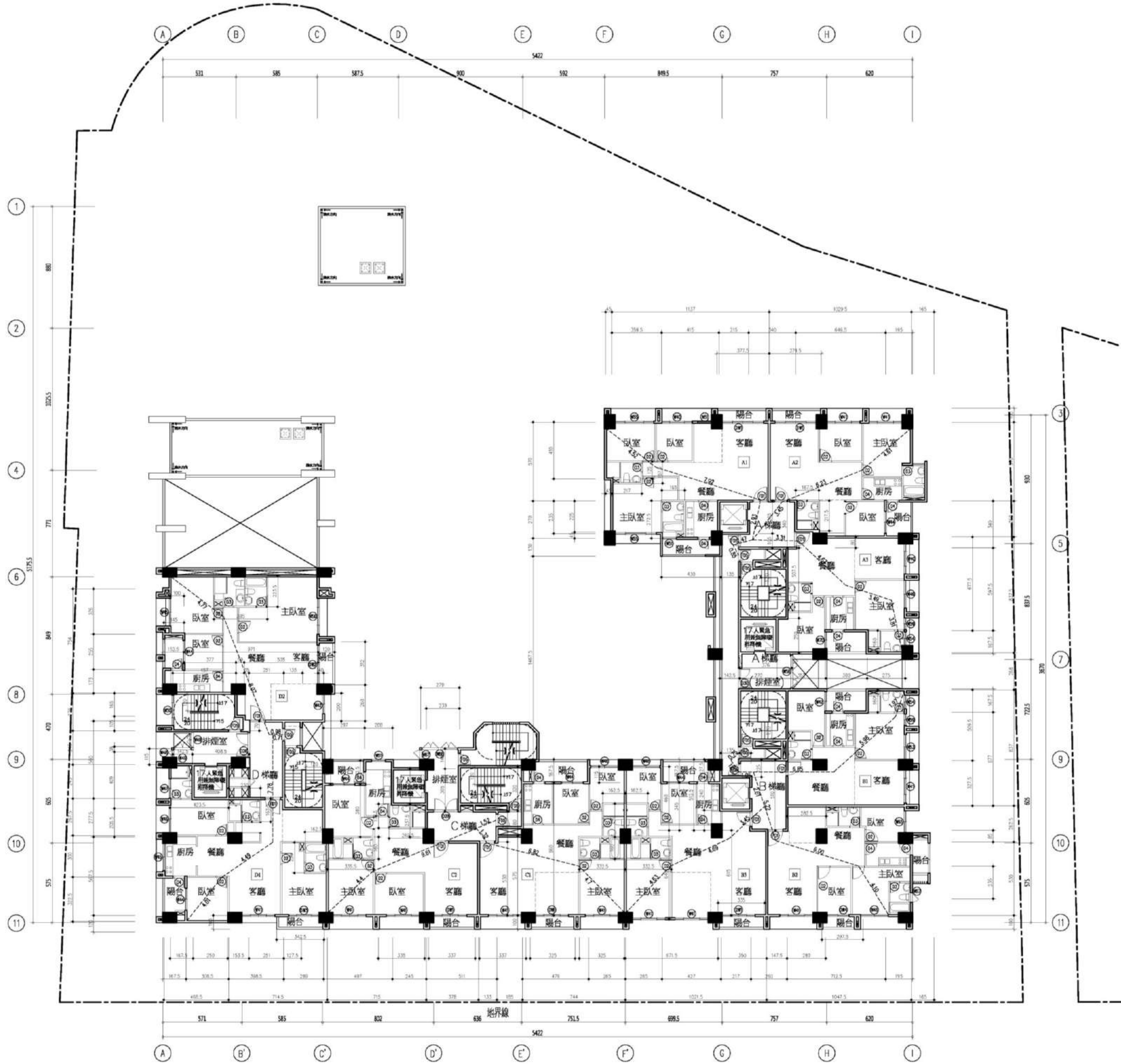


圖11-37 十六、十八層平面圖(S=1/300)

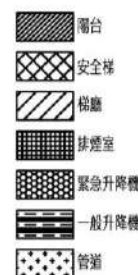


重慶步行四聯

|    |                                                     |       |
|----|-----------------------------------------------------|-------|
| A1 | $L=4.52+7.92+2.93+1.47+0.85=17.69\text{M}$          | < 20M |
| A2 | $L=4.61+6.23+3.45+1.47+0.85=16.61\text{M}$          | < 20M |
| A3 | $L=4.46+2.57+4.63+2.48+1.47+0.85=16.46\text{M}$     | < 20M |
| B1 | $L=4.57+2.96+7.69+1.02+0.75=16.99\text{M}$          | < 20M |
| B2 | $L=4.6+6.55+5.22+1.05+1.02+0.75=19.19\text{M}$      | < 20M |
| B3 | $L=4.63+4.69+3.45+2.61+1.05+1.02+0.75=18.2\text{M}$ | < 20M |
| C1 | $L=4.7+6.82+1.32+1.52=14.36\text{M}$                | < 20M |
| C2 | $L=9.61+4.4=14.01\text{M}$                          | < 20M |
| D1 | $L=4.01+4.49+7.78+0.71=16.99\text{M}$               | < 20M |
| D2 | $L=4.58+8.07+0.98=13.63\text{M}$                    | < 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 |
| 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 | > | 83.10/8=10.39 | ...OK |



一、十六十八層 各戶 樓地板面積計算

|      |                                                                               |   |        |   |  |
|------|-------------------------------------------------------------------------------|---|--------|---|--|
| 室内面积 |                                                                               |   |        |   |  |
| A1   | 4.1x0.45+3.595x2.35+5.7x11.37+4.15x2.7                                        | = | 86.31  | ㎡ |  |
| A2   | 0.1295x3.05+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   | 8.37x2.84+6.77x3+2.75x8.37                                                    | = | 66.77  | ㎡ |  |
| B2   | 6.15x1.47+8.55x2.33+5.6x9                                                     | = | 79.36  | ㎡ |  |
| B3   | 4.62x2.65+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   | 3.26x1+1.73x1.45+7.54x9.71+0.59x1.65+5.35x2+2.6x0.4                           | = | 91.70  | ㎡ |  |
| 合计   |                                                                               | = | 843.08 | ㎡ |  |

| 陽合面積    |                                                                               |            |
|---------|-------------------------------------------------------------------------------|------------|
| A1      | $1.0 \times 3.775 + 4.3 \times 1.3$                                           | = 9.37 ㎡   |
| A2      | $3.795 \times 1.0 + 1.95 \times 2.6$                                          | = 8.87 ㎡   |
| A3      | $3 \times 1.675$                                                              | = 5.03 ㎡   |
| B1      | $3 \times 1.675$                                                              | = 5.03 ㎡   |
| B2      | $2.425 \times 1 + 3.0 \times 1.35$                                            | = 6.48 ㎡   |
| B3      | $4.27 \times 1.675 + 3.35 \times 1.0$                                         | = 10.50 ㎡  |
| C1      | $3.68 \times 1.675 + 1.11 \times 1.6 + 3.25 \times 1.0$                       | = 11.19 ㎡  |
| D1      | $2.97 \times 1.8 + 1.0 \times 3.37$                                           | = 8.72 ㎡   |
| C2      | $3.225 \times 1.675 + 1.0 \times 3.425$                                       | = 8.83 ㎡   |
| D2      | $1.525 \times 2.55 + 3.12 \times 1.2$                                         | = 7.63 ㎡   |
| A、B、C、D | $0.35 \times 1.5 + 1.35 \times 1.3 + 1.425 \times 14.675 + 1.35 \times 1.275$ | = 24.91 ㎡  |
| D       | $1.35 \times 1.85$                                                            | = 2.50 ㎡   |
| 小計      |                                                                               | = 109.06 ㎡ |

|        |                                                        |                        |
|--------|--------------------------------------------------------|------------------------|
| 梯面面积计算 |                                                        |                        |
| A梯     | $0.65 \times 1.05 + 3.4 \times 3.4 + 3.76 \times 2.68$ | = 22.32 m <sup>2</sup> |
| B梯     | $0.82 \times 1.25 + 5.1 \times 2.6$                    | = 14.29 m <sup>2</sup> |
| C梯     | $2.25 \times 5.11$                                     | = 11.50 m <sup>2</sup> |
| D梯     | $5.6 \times 2.51$                                      | = 14.06 m <sup>2</sup> |
| 小计     |                                                        | = 62.17 m <sup>2</sup> |

|              |         |
|--------------|---------|
| 樣面不足2M而計算    |         |
| A棟 0.65x1.05 | = 0.68㎡ |
| B棟 0.82x1.25 | = 1.03㎡ |
| 小計           | = 1.71㎡ |

| 楼梯面计算 |                                                                                                                             |   |                    |
|-------|-----------------------------------------------------------------------------------------------------------------------------|---|--------------------|
| A梯    | $5.075 \times 3.42$                                                                                                         | = | 17.36 $\text{m}^2$ |
| B梯    | $5.045 \times 3.42$                                                                                                         | = | 17.25 $\text{m}^2$ |
| C梯    | $1.11 \times 1.3 + 2.43 \times 3.46 + (4.57 + 3.13) \times 0.72 / 2 + 1.11 \times 1.98 + 4.57 \times 3.2 + 1.8 \times 1.85$ | = | 32.77 $\text{m}^2$ |
| D梯    | $2.7 \times 4.57 + 0.59 \times 1.05 + 0.35 \times 0.7 + 1.275 \times 0.38 + 4.09 \times 2.89$                               | = | 25.51 $\text{m}^2$ |
| 小计    |                                                                                                                             | = | 92.89 $\text{m}^2$ |

|              |                        |
|--------------|------------------------|
| 升降機面積計算      |                        |
| A樓 2.35x2.15 | = 5.05 m <sup>2</sup>  |
| B樓 2.4x2.17  | = 5.21 m <sup>2</sup>  |
| 小計           | = 10.26 m <sup>2</sup> |

|              |           |
|--------------|-----------|
| 緊急昇降機面設計算    |           |
| A、B機 2.7x2.5 | = 6.75 ㎡  |
| C機 2.45x2.55 | = 6.25 ㎡  |
| D機 2.5x2.45  | = 6.13 ㎡  |
| 小計           | = 19.13 ㎡ |

|     |                                         |   |                      |
|-----|-----------------------------------------|---|----------------------|
| C棟  | $1.45 \times 2.79 + 2.39 \times 3.05$   | = | 11.34 m <sup>2</sup> |
| D棟  | $2.45 \times 4.085 + 1.425 \times 1.15$ | = | 11.65 m <sup>2</sup> |
| 小計: |                                         | = | 22.99 m <sup>2</sup> |

|                                  |          |
|----------------------------------|----------|
| 設備面積計算                           |          |
| A、8棟 $0.55 \times 1.65 \times 2$ | = 1.82 ㎡ |
| D棟 $1.535 \times 2.45$           | = 3.76 ㎡ |
| 小計                               | = 5.58 ㎡ |

## 二、面積計算檢討

樓地板面積計  
 $843.08+62.17+92.89+10.26+19.13+22.99+5.58 = 1056.10 \text{ m}^2$   
 聯合免計容積面積計  
 $109.06 \text{ m}^2 > 1056.10 \times 10\% = 105.61 \text{ m}^2$   
 $109.06 - 105.61 = 3.45 \text{ m}^2$  (計入容積獎勵)  
 樓底免計容積面積計  
 $62.17 - 1.71 = 60.46 \text{ m}^2 < 1056.10 \times 10\% = 105.61 \text{ m}^2 \dots \text{OK}$   
 聯合+樓底免計容積面積計  
 $105.61 + 60.46 = 166.07 \text{ m}^2 > 1056.10 \times 15\% = 158.42 \text{ m}^2$   
 $166.07 - 158.42 = 7.65 \text{ m}^2$  (計入容積獎勵)  
 設置面面積計  
 $92.89 + 19.13 + 22.99 + 5.58 = 140.59 \text{ m}^2$   
 當容積獎勵樓地板面積計 (聯合總計 0% 每分)  
 $1059.55 - 60.46 - 140.59 + 7.65 + 3.45 = 869.60 \text{ m}^2$   
 (有獎) (設置面) (容積+聯合總計 5% 每分)

三 當層戶數檢討 10戸

#### 四、緊急升降機設置檢討

本場A,B,C棟各21層,高度74.45M;D棟共9層,高度37.65M;兩座  
位於三座商業大樓, 鋼筋柱方柱十米, 高度每層10.5公尺

A, B棟 (11~21層) → 設置震度計  
 $(86.31+79.95+68.11+66.77+79.85+94.57) \times 11 = 5231.16 > 500\#$

C棟 (11~21層) → 設置震度計  
 $(92.16+88.77) \times 11 = 1990.23\# > 500\#$

D棟 (11~19層) → 設置震度計  
 $(96.98+101.87) \times 3 + (96.98+91.70) \times 6 = 1728.63\# > 500\#$

E棟 (11~13層) → 免震  
 $(79.21+79.95) \times 3 = 477.48 < 500\#$

F棟 (11~13層) → 免震  
 $(67.42+67.13) \times 3 = 403.65 < 500\#$

## 五 排煙室面積檢討

A,B棟  $3.76 \times 2.68 = 10.08 \text{ m}^2 > 10.00 \text{ m}^2 \dots \text{OK}$   
 C棟  $4.5 \times 2.39 + 1.45 \times 0.4 = 11.34 \text{ m}^2 > 10.00 \text{ m}^2 \dots \text{OK}$   
 D棟  $2.45 \times 4.085 + 1.15 \times 1.425 = 11.65 \text{ m}^2 > 10.00 \text{ m}^2 \dots \text{OK}$

## 六 特別安全梯面積檢討

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

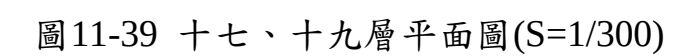
### 七、居室面積計算

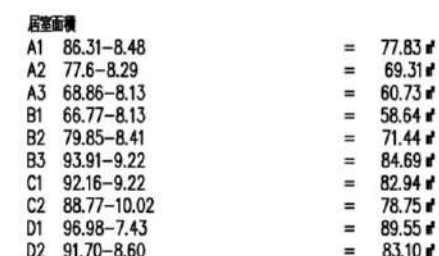
| 廚房面積 |                                                            |           |
|------|------------------------------------------------------------|-----------|
| A1   | $1.25 \times 0.45 + 1.575 \times 2.17 + 1.65 \times 2.725$ | = 8.48 #  |
| A2   | $1.675 \times 2.625 + 2.325 \times 1.675$                  | = 8.29 #  |
| A3   | $1.775 \times 2.1 + 2.75 \times 1.6$                       | = 8.13 #  |
| B1   | $1.775 \times 2.1 + 2.75 \times 1.6$                       | = 8.13 #  |
| B2   | $1.5 \times 2.65 + 1.675 \times 2.65$                      | = 8.41 #  |
| B3   | $1.625 \times 2.4 + 1.6 \times 3.325$                      | = 9.22 #  |
| C1   | $1.625 \times 2.4 + 1.6 \times 3.325$                      | = 9.22 #  |
| C2   | $3.355 \times 1.6 + 2.695 \times 1.725$                    | = 10.02 # |
| D1   | $2.3 \times 1.675 + 1.625 \times 2.2$                      | = 7.43 #  |
| D2   | $2.235 \times 3.85$                                        | = 8.60 #  |

| 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 # |
| D1   | 96.98-7.43  | = 89.55 # |
| D2   | 91.70-8.60  | = 83.10 # |

圖11-38 十六、十八層面積計算圖(S=1/300)







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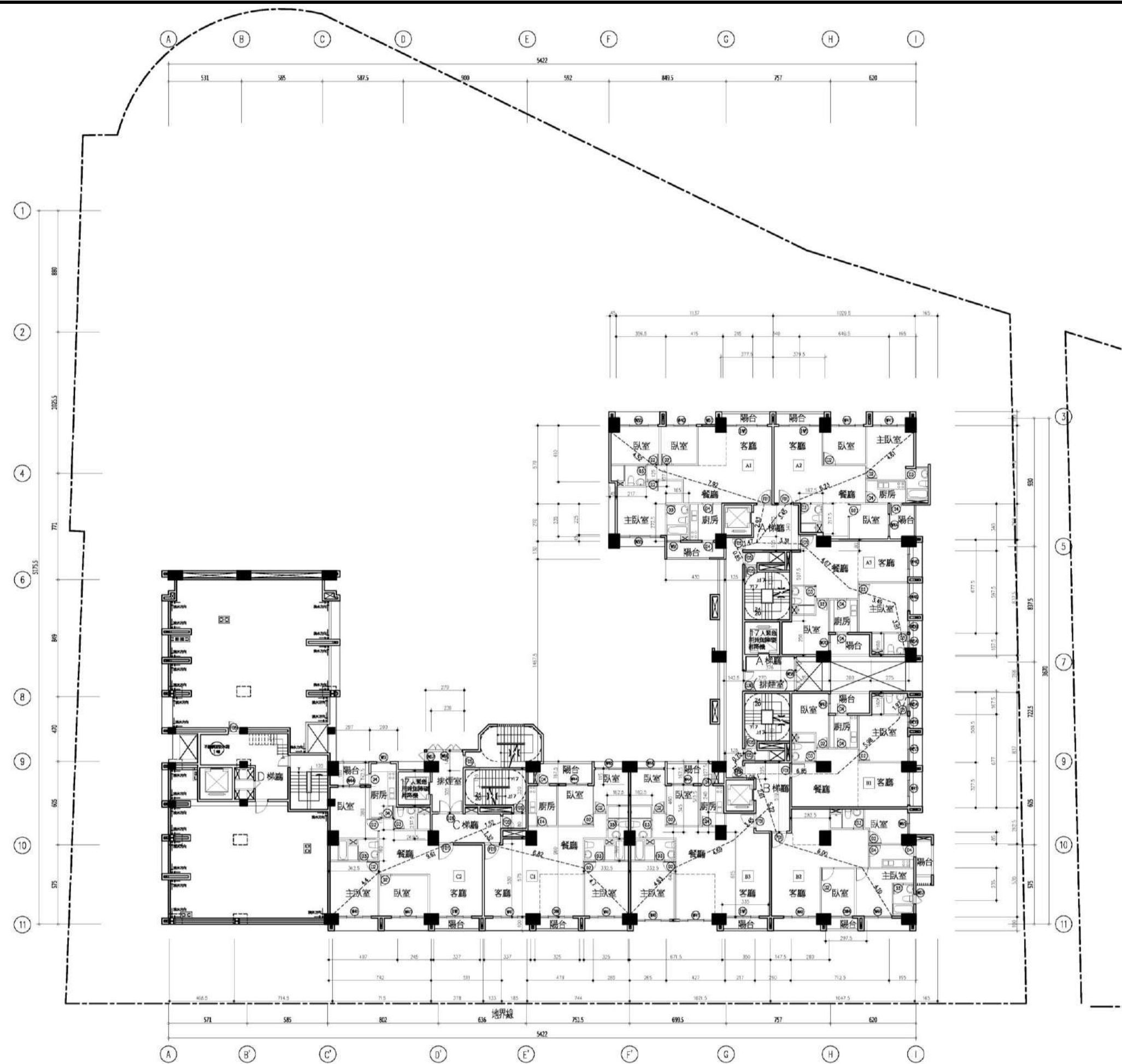


圖11-41 二十層平面圖(S=1/300)