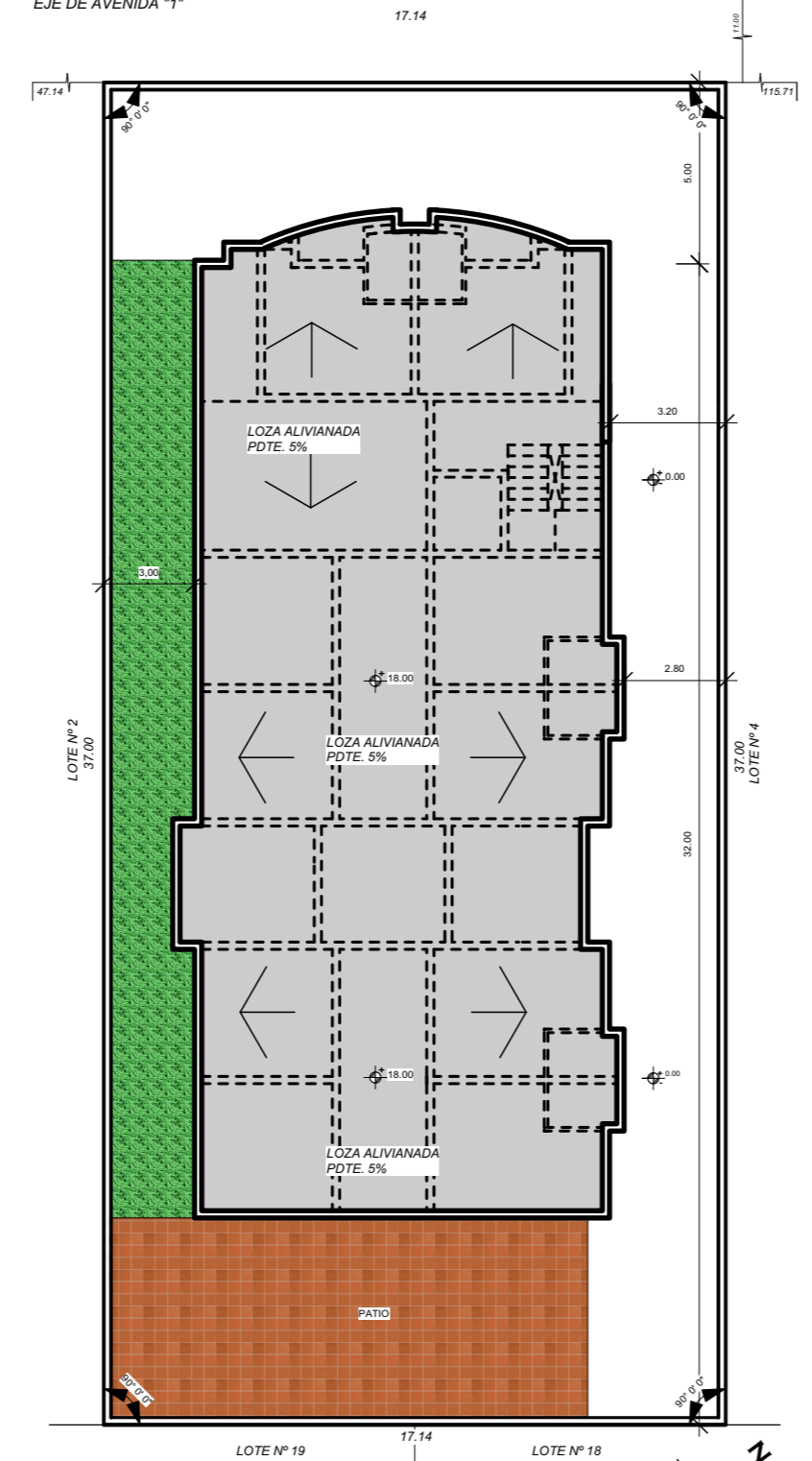
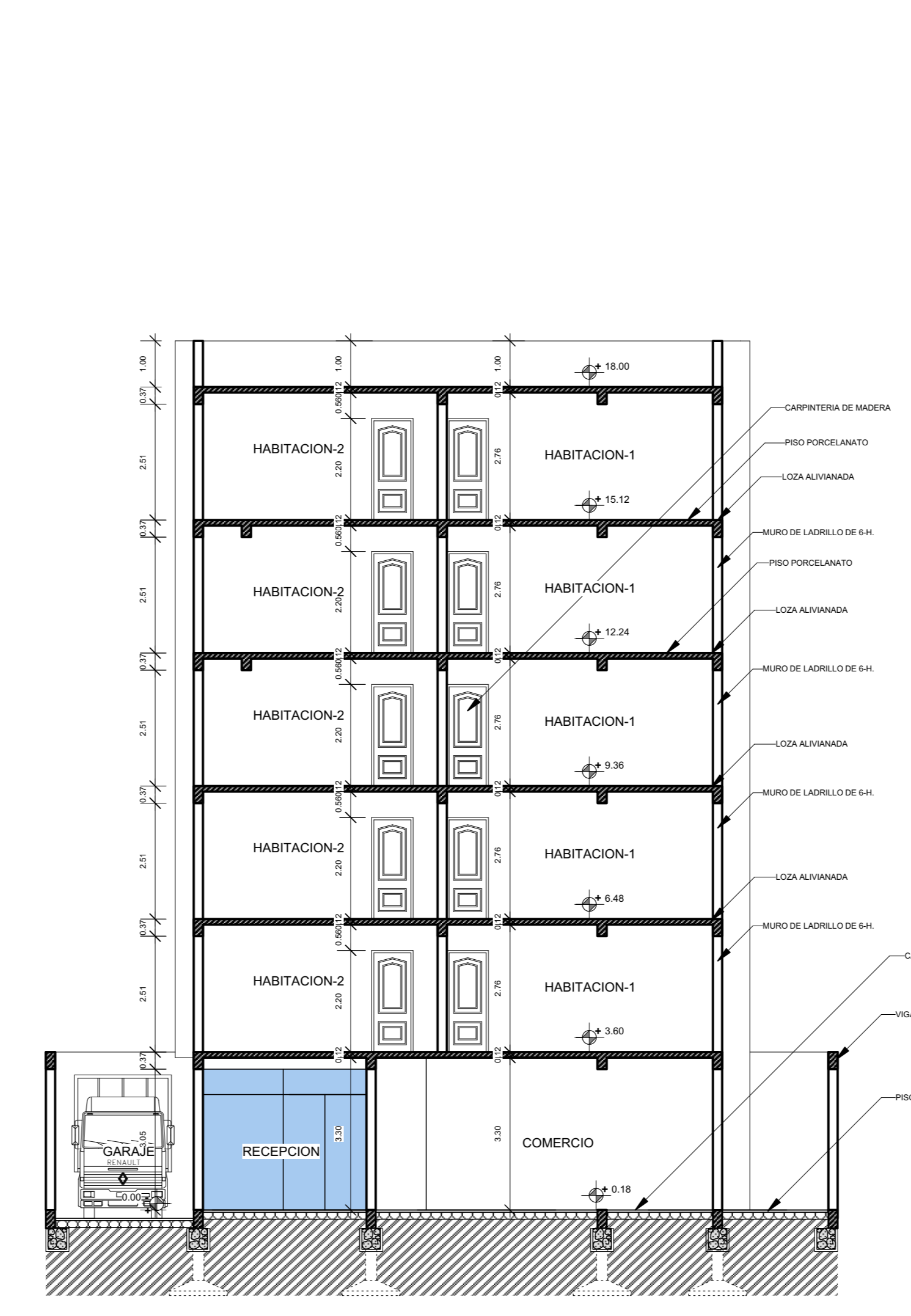




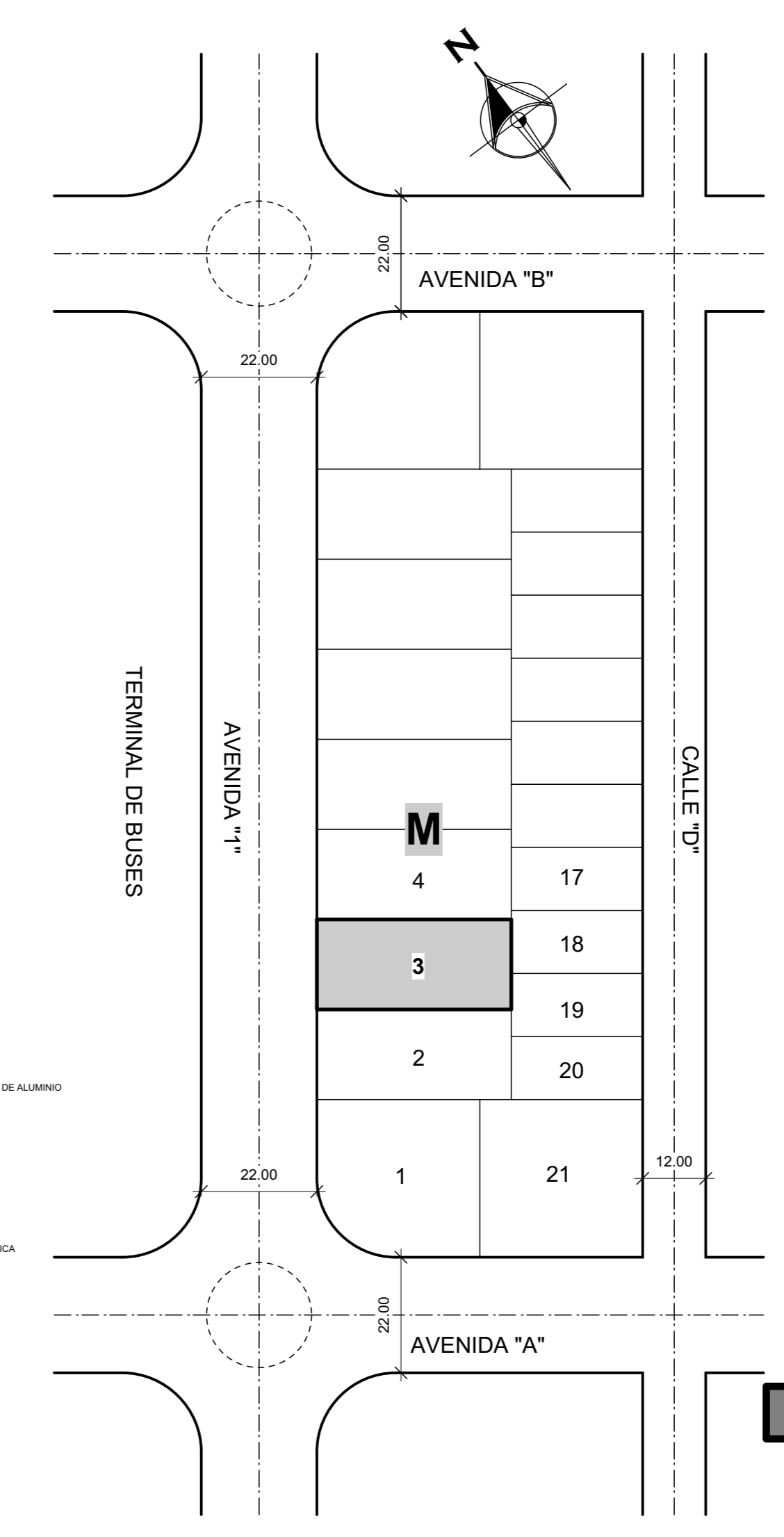
VISTA LATERAL
ESC. 1:100



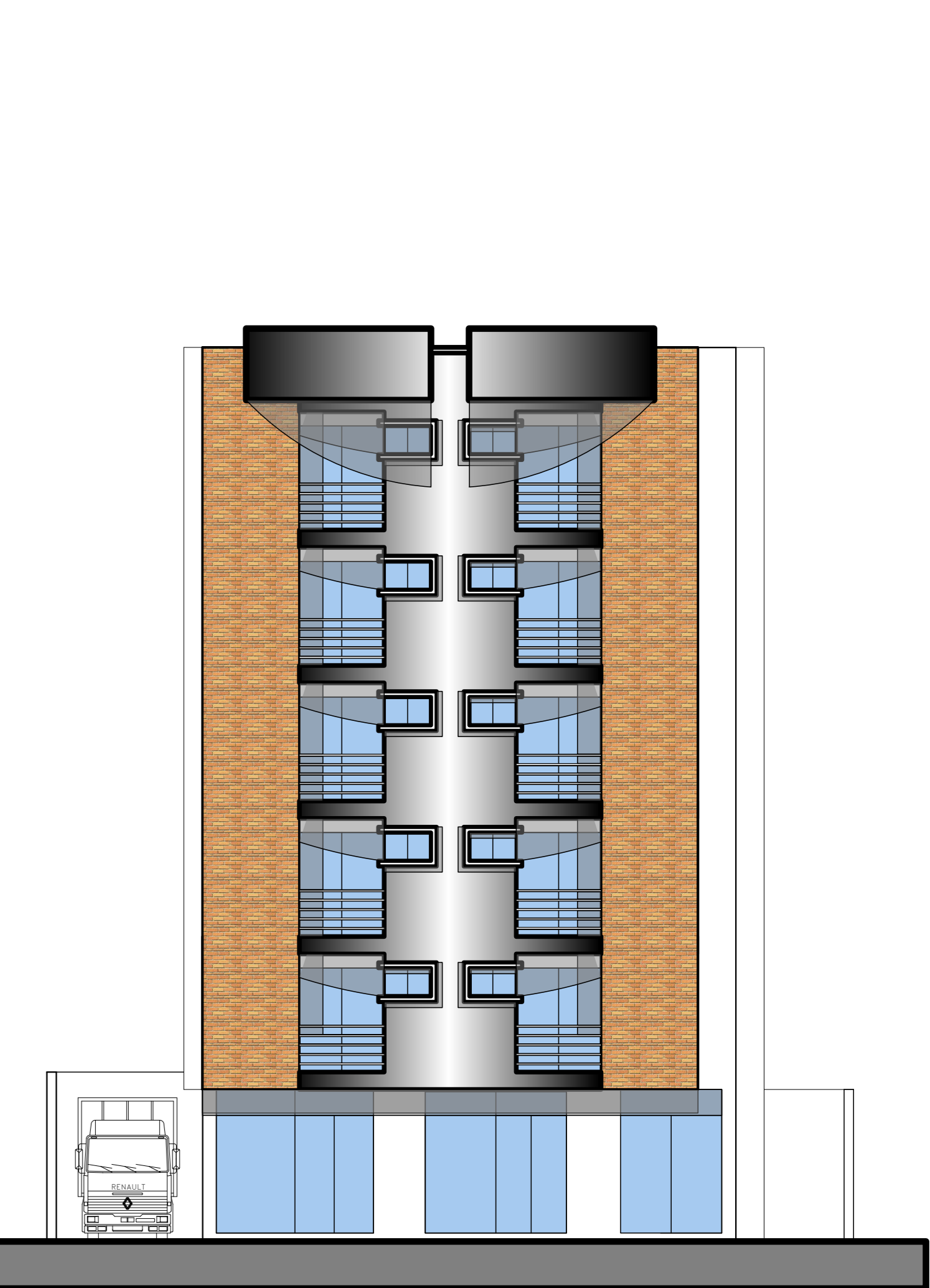
PLANTA CUBIERTA
ESC. 1:100



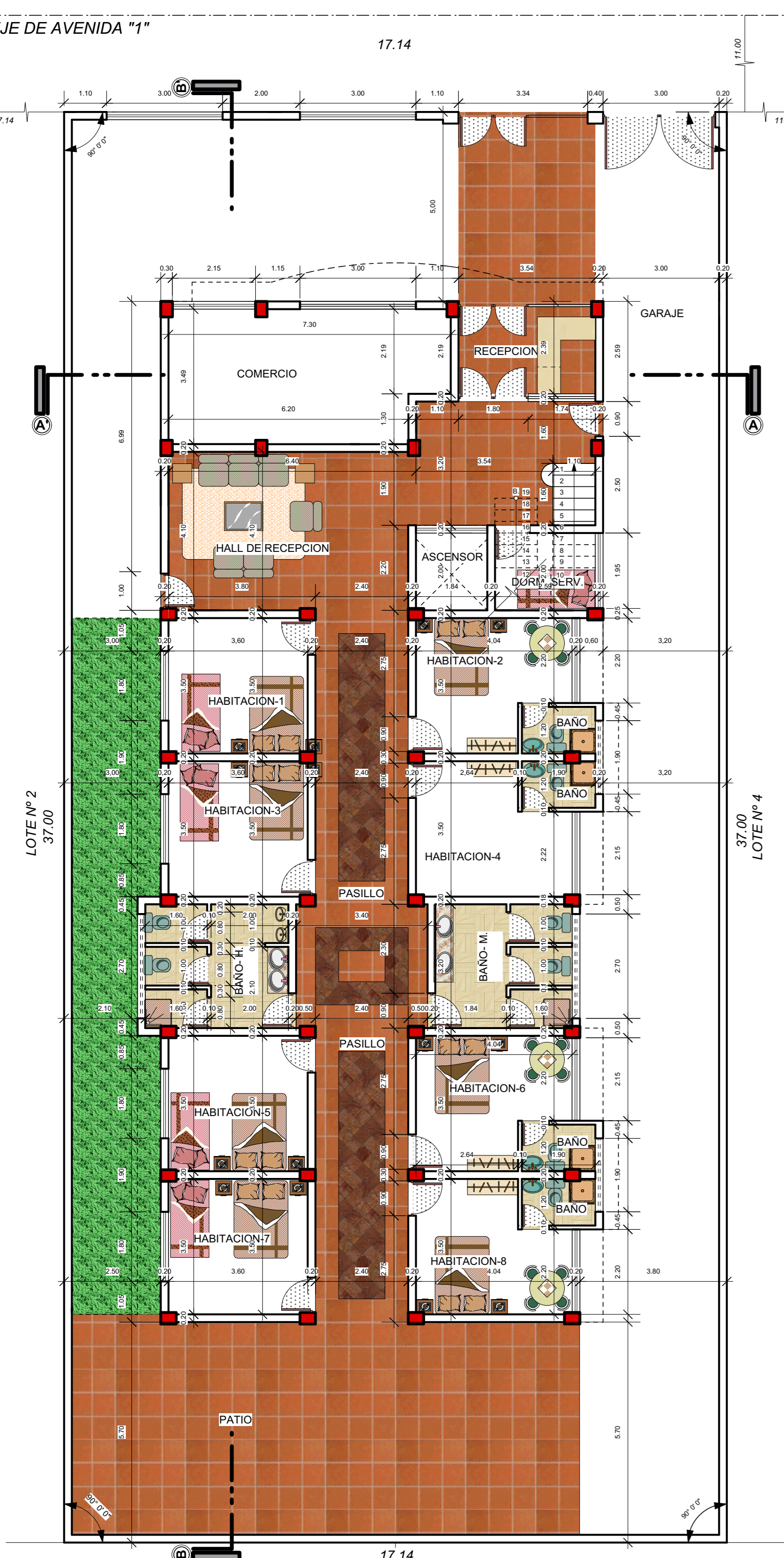
CORTE A-A'
ESC. 1:100



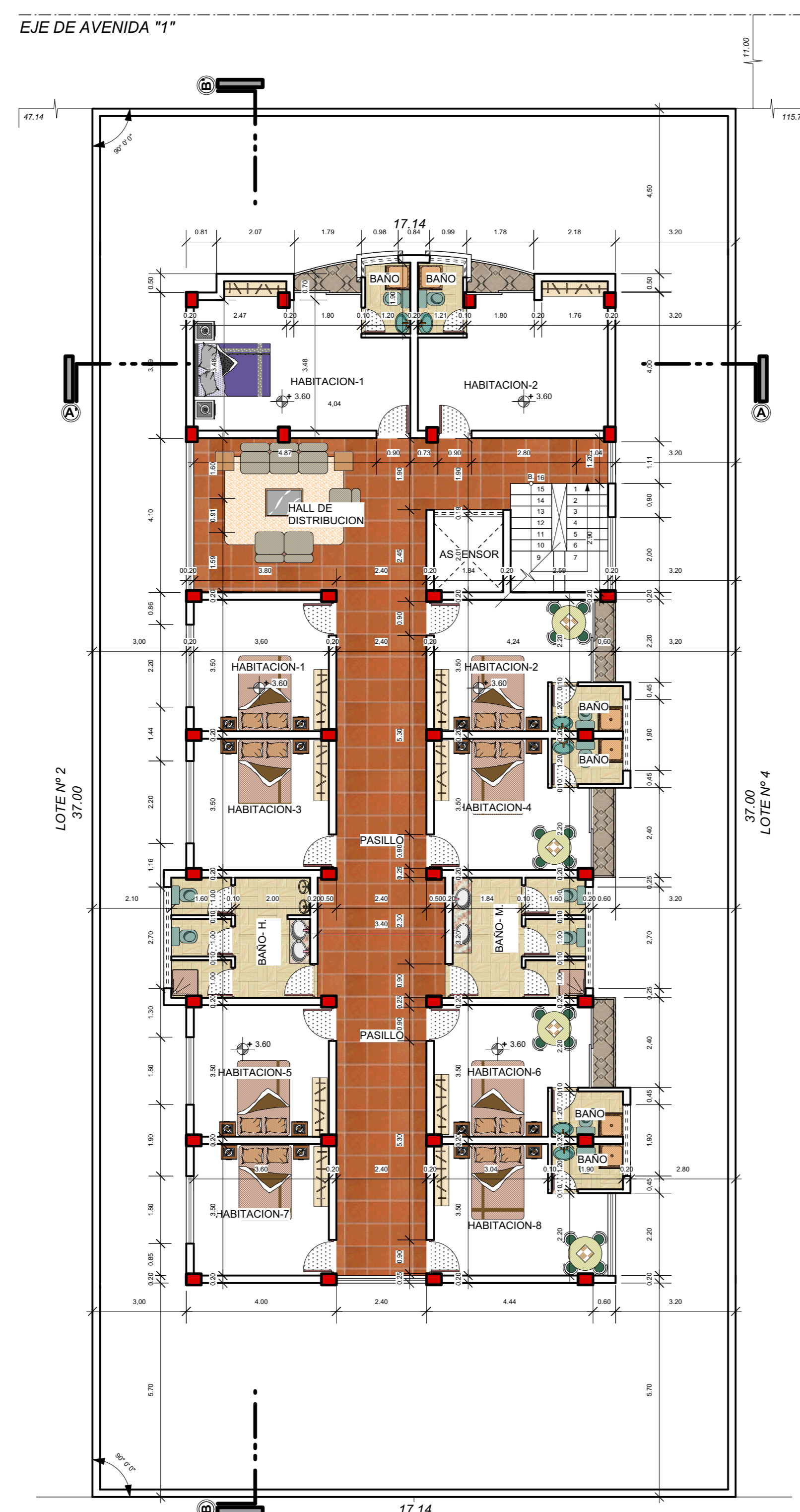
UBICACION DE LOTE EN MANZANO
ESC. 1:100



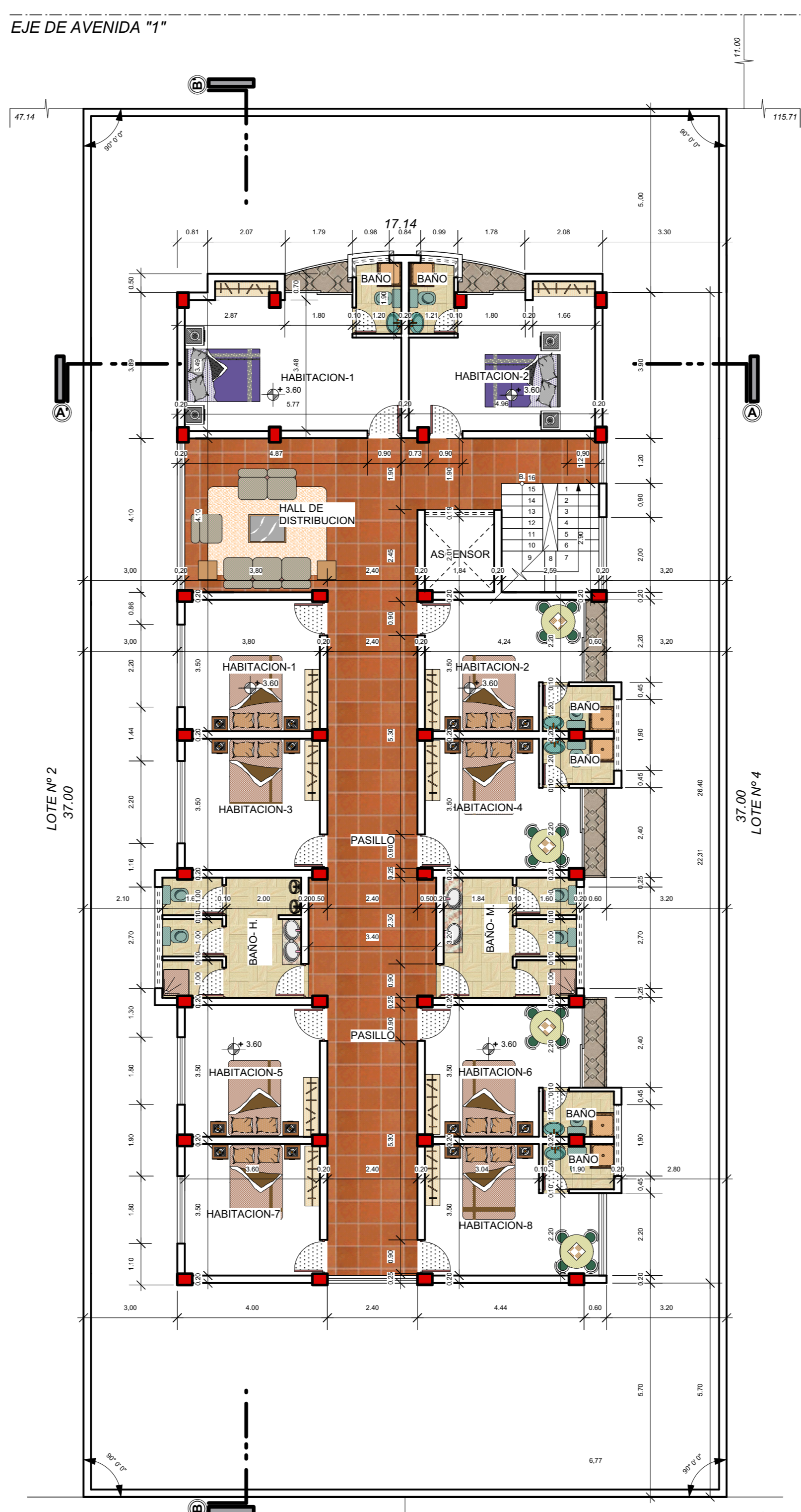
VISTA FRONTAL
ESC. 1:100



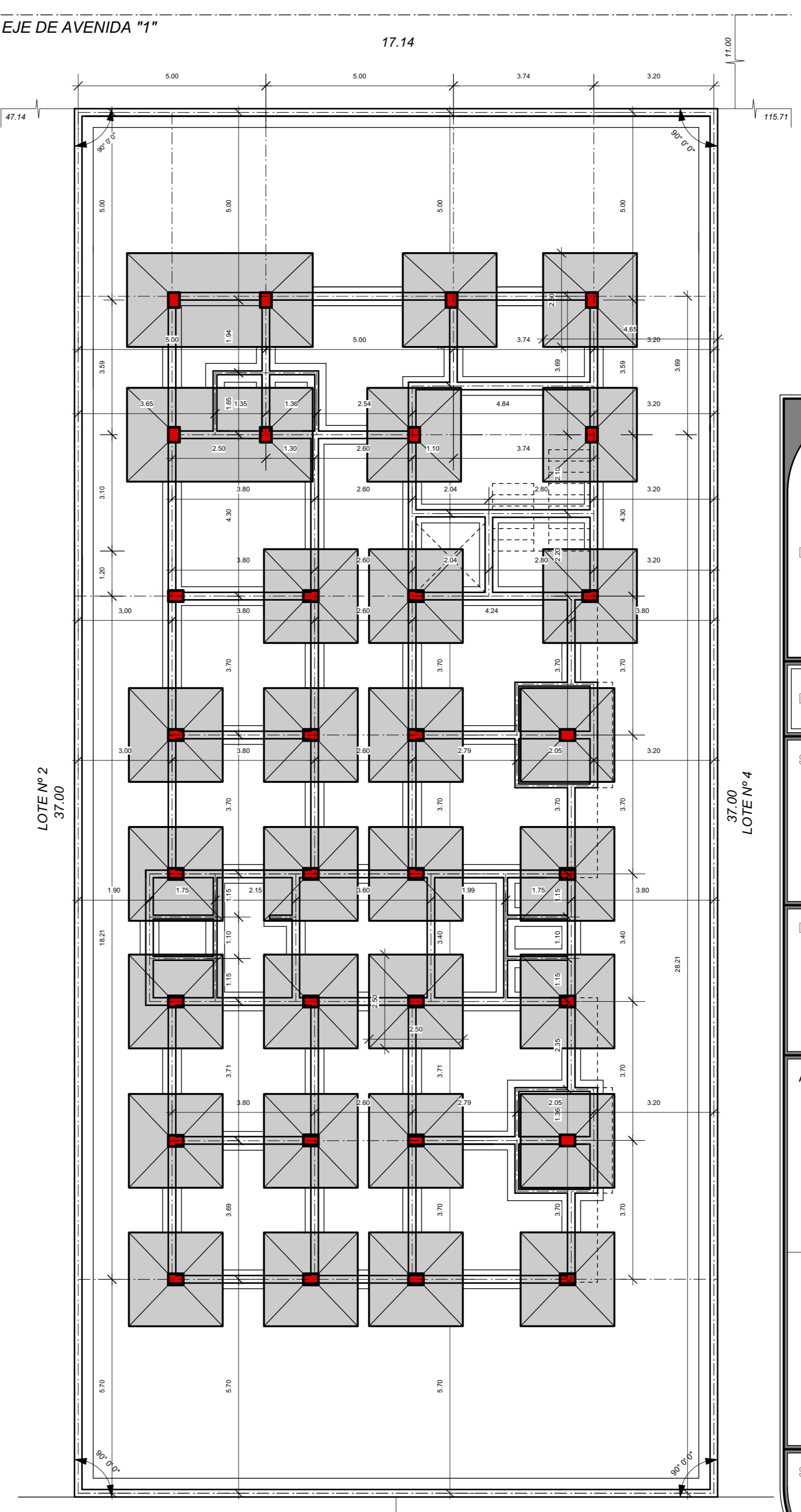
PLANTA BAJA
ESC. 1:100



PLANTA TIPO 1º, 2º PISO
ESC. 1:100



PLANTA TIPO 3º, 4º Y 5º PISO
ESC. 1:100



FUNDACIONES
ESC. 1:100

PLANO DE CONSTRUCCION

PROPIETARIO (S.): **EULOGIO RIVERA SANTOS
ADRIANA CAHUARA PINEDA DE RIVERA**

NOTAS MARGINALES:

| | | | | |
|-------------|-------------------------|-----------|---------|--------------|
| SUPERFICIE: | SUP. LOTE: | 634.286M2 | LAMINA: | UNICA |
| | SUP. CONST. P. BAJA: | 285.43 M2 | | |
| | SUP. CONST. P. 1º PISO: | 85.43 M2 | | |
| | SUP. CONST. P. 2º PISO: | 85.43 M2 | | |
| | SUP. CONST. P. 3º PISO: | 85.43 M2 | | |
| | SUP. CONST. P. 4º PISO: | 85.43 M2 | | |
| | SUP. CONST. P. 5º PISO: | 85.43 M2 | | |
| | SUP. CONST. TOTAL: | 712.58 M2 | | |

REVISADO:

APROBACION D.G.O.T.

UBICACION:

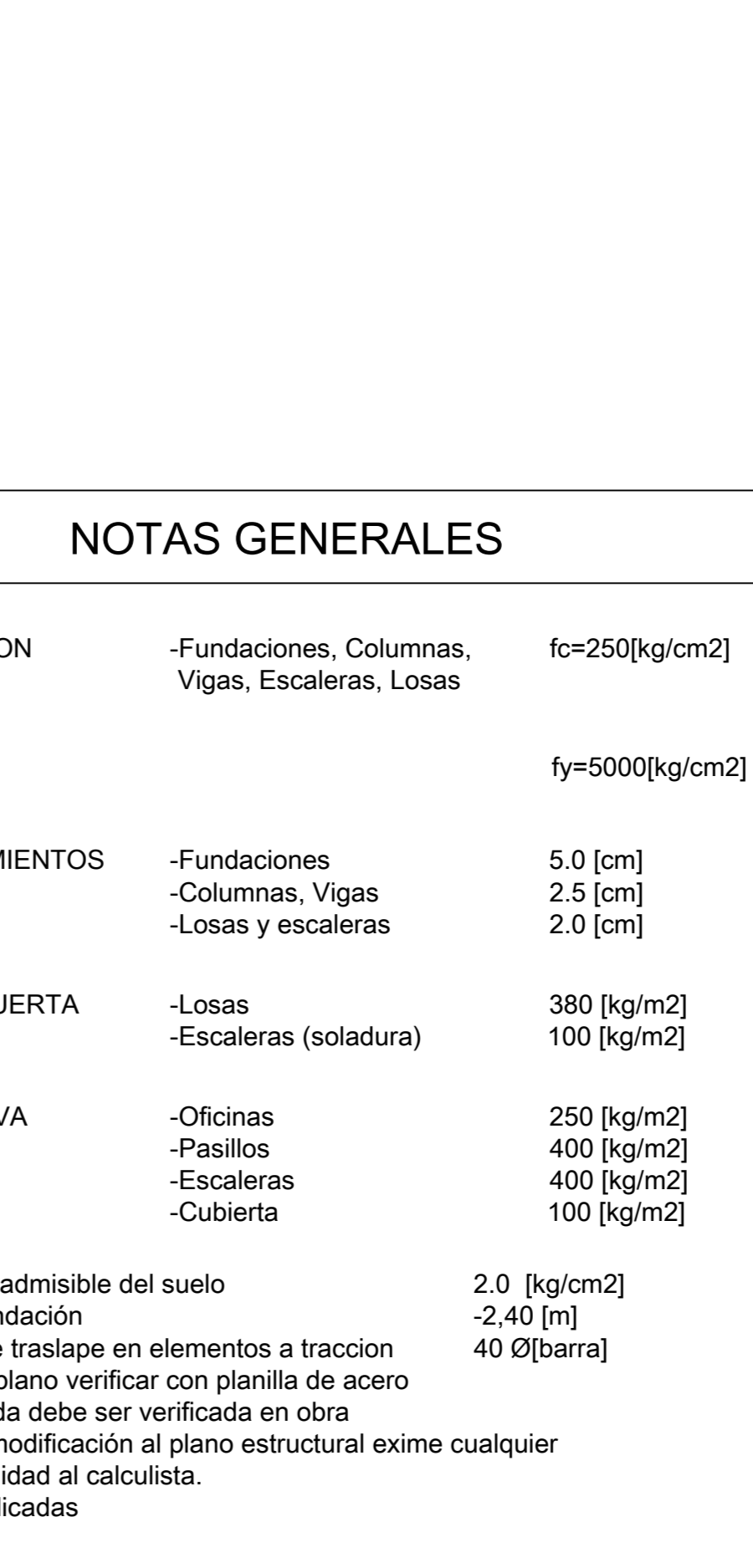
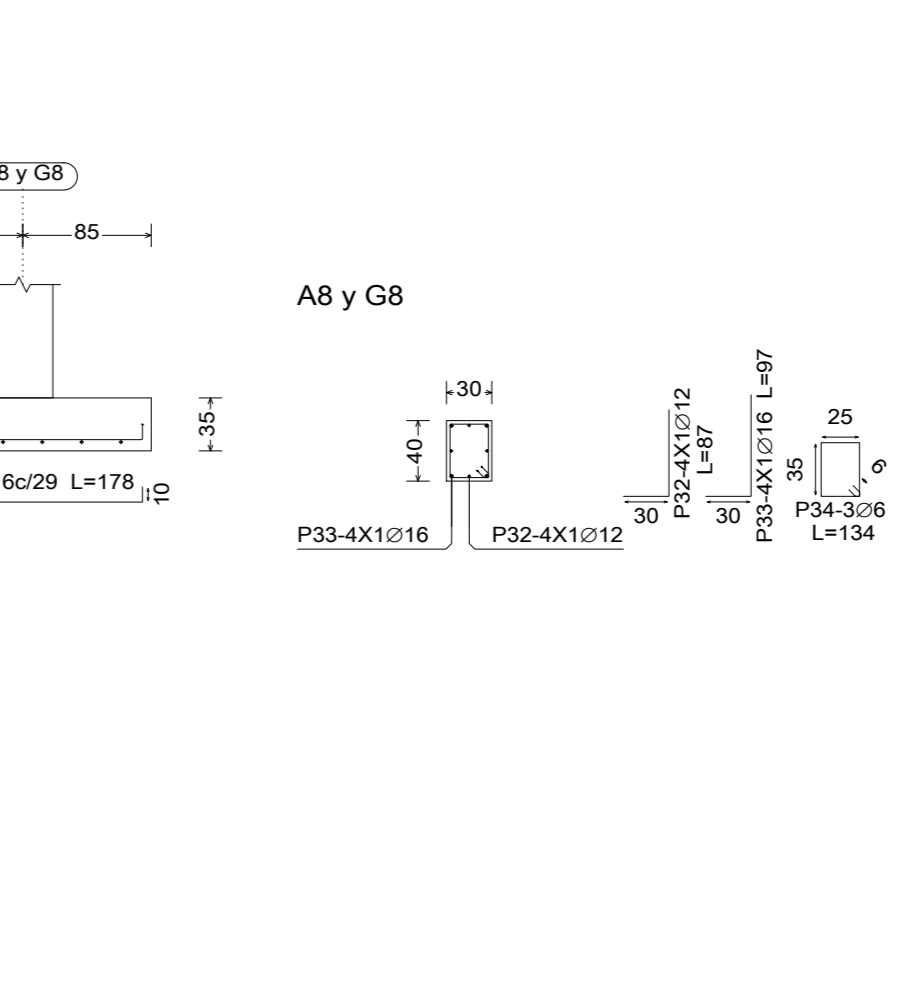
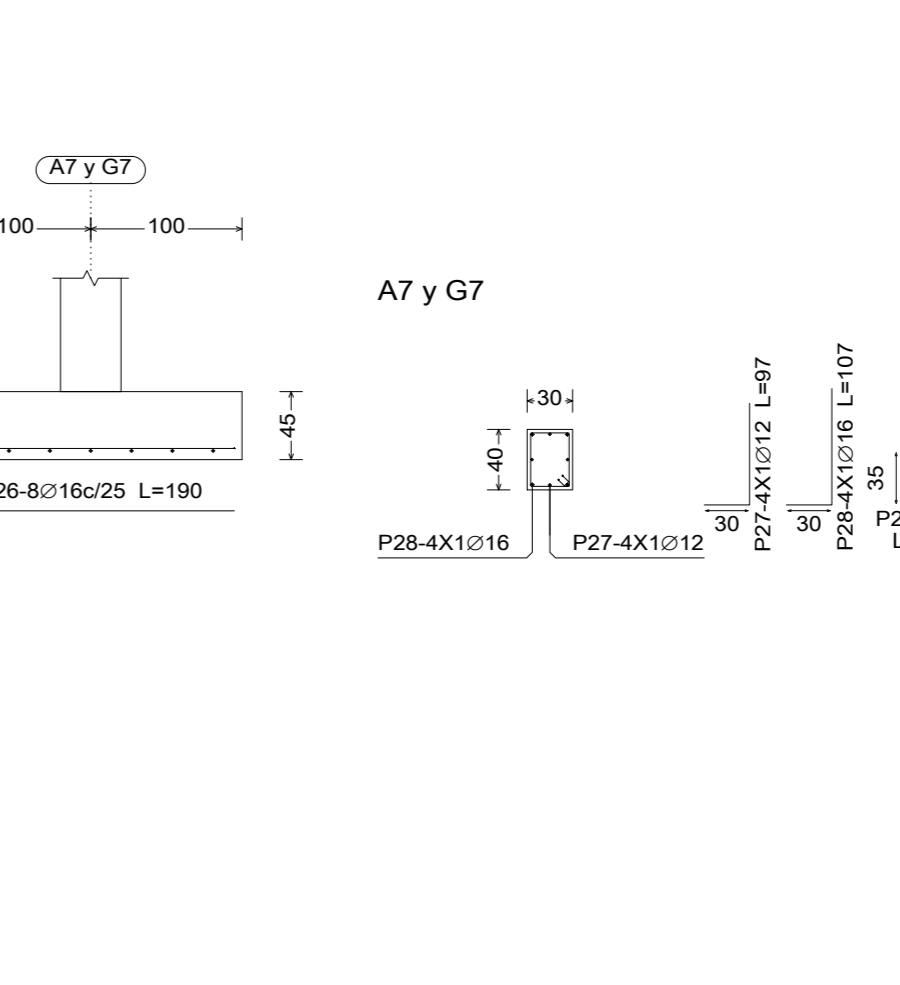
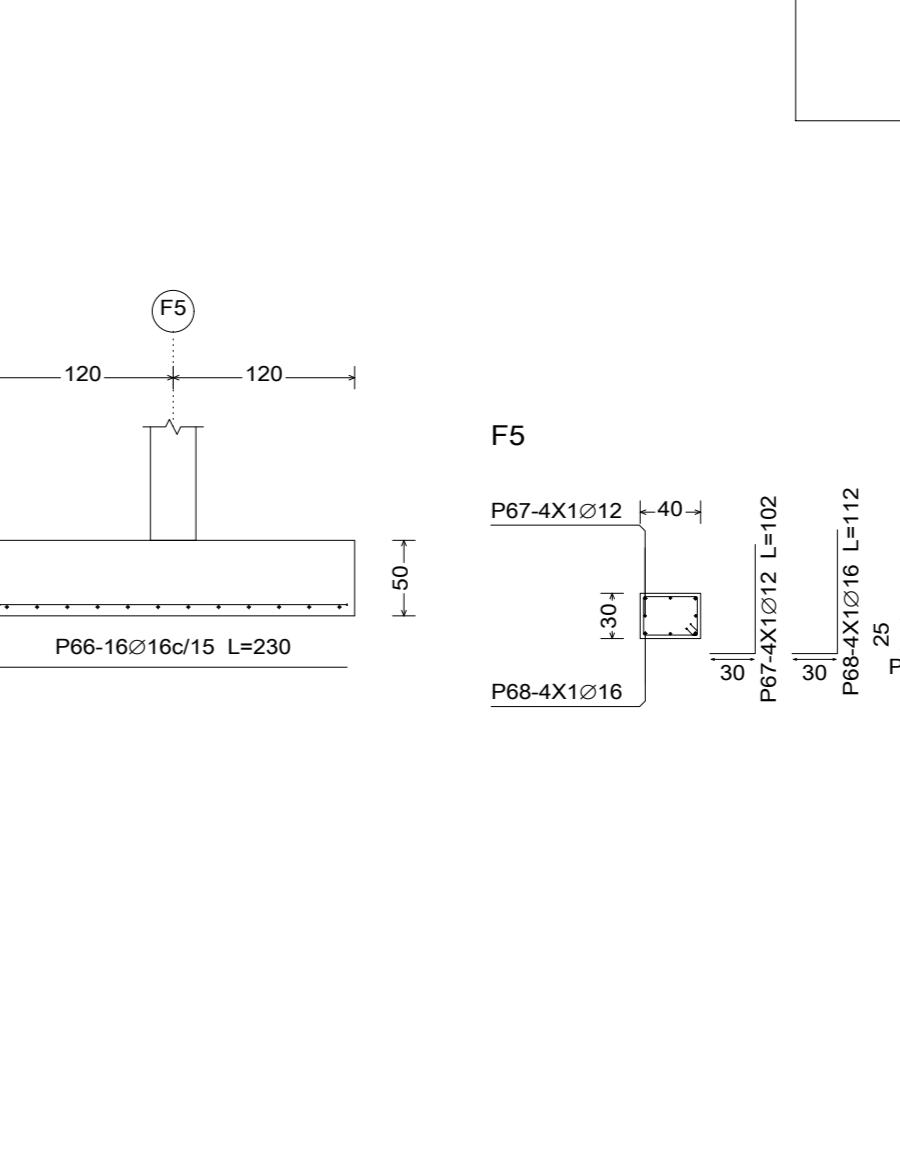
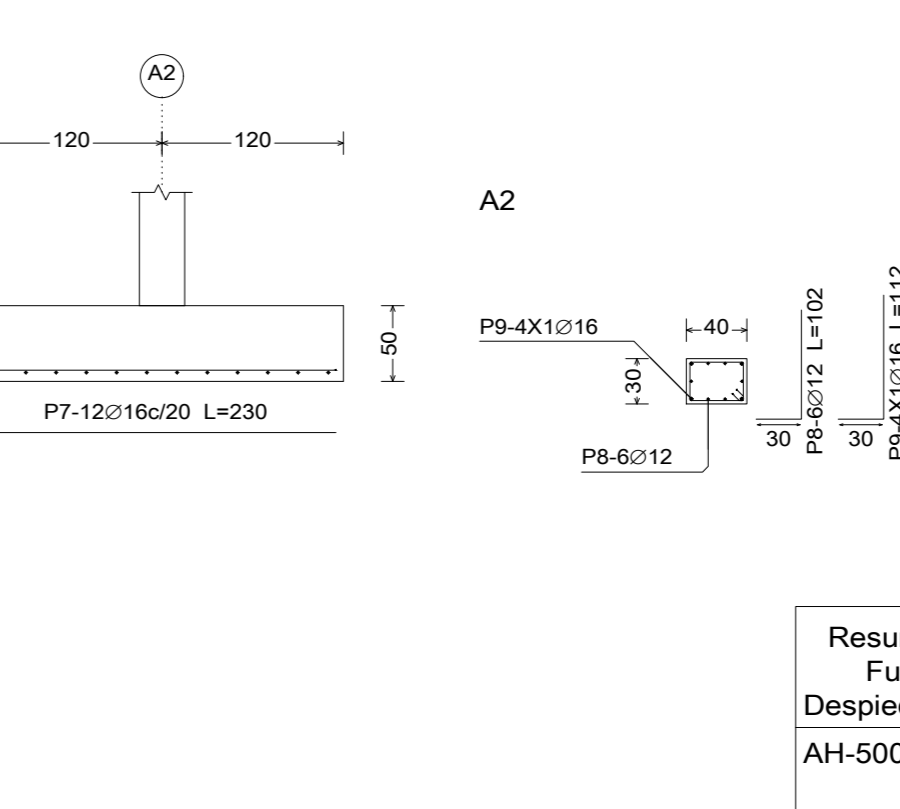
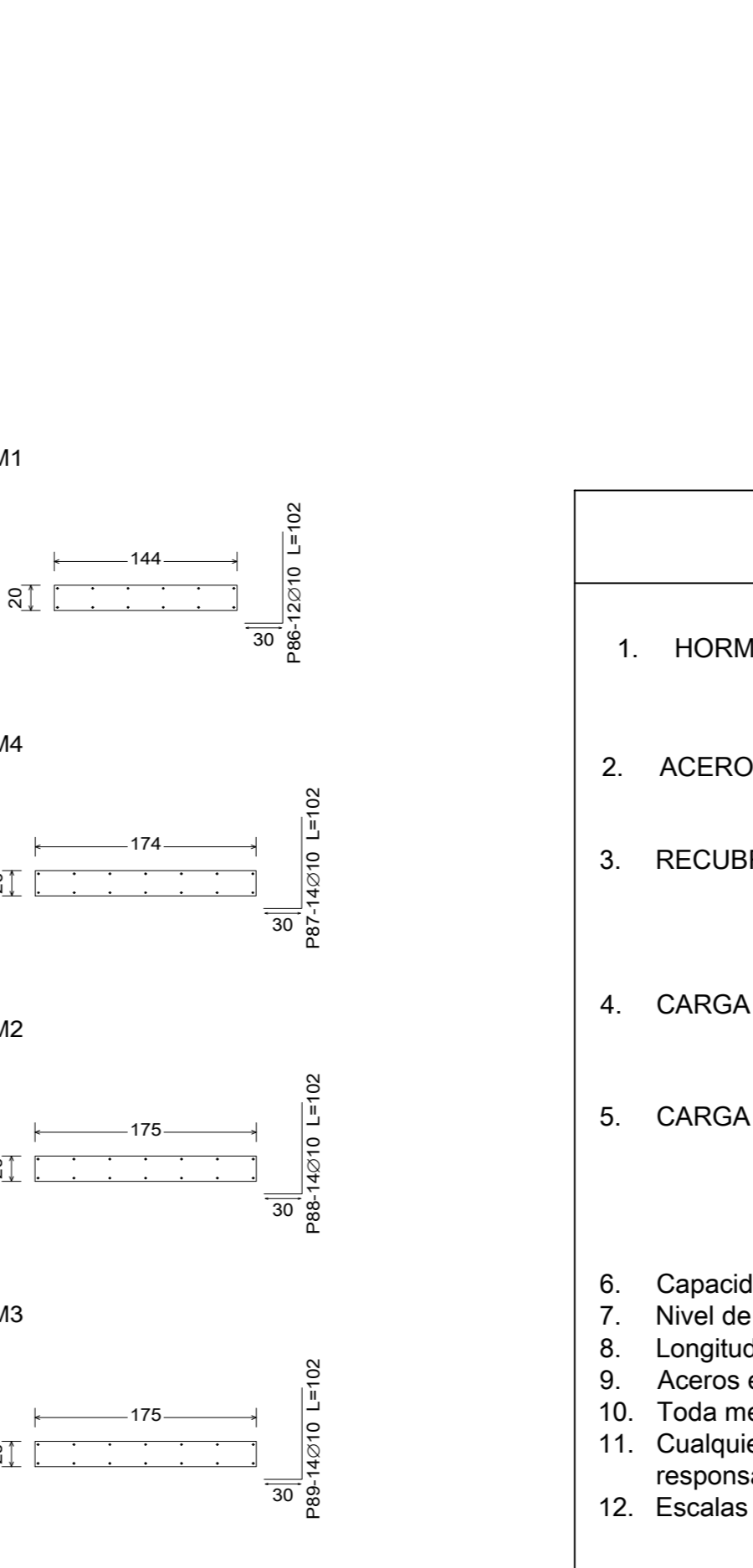
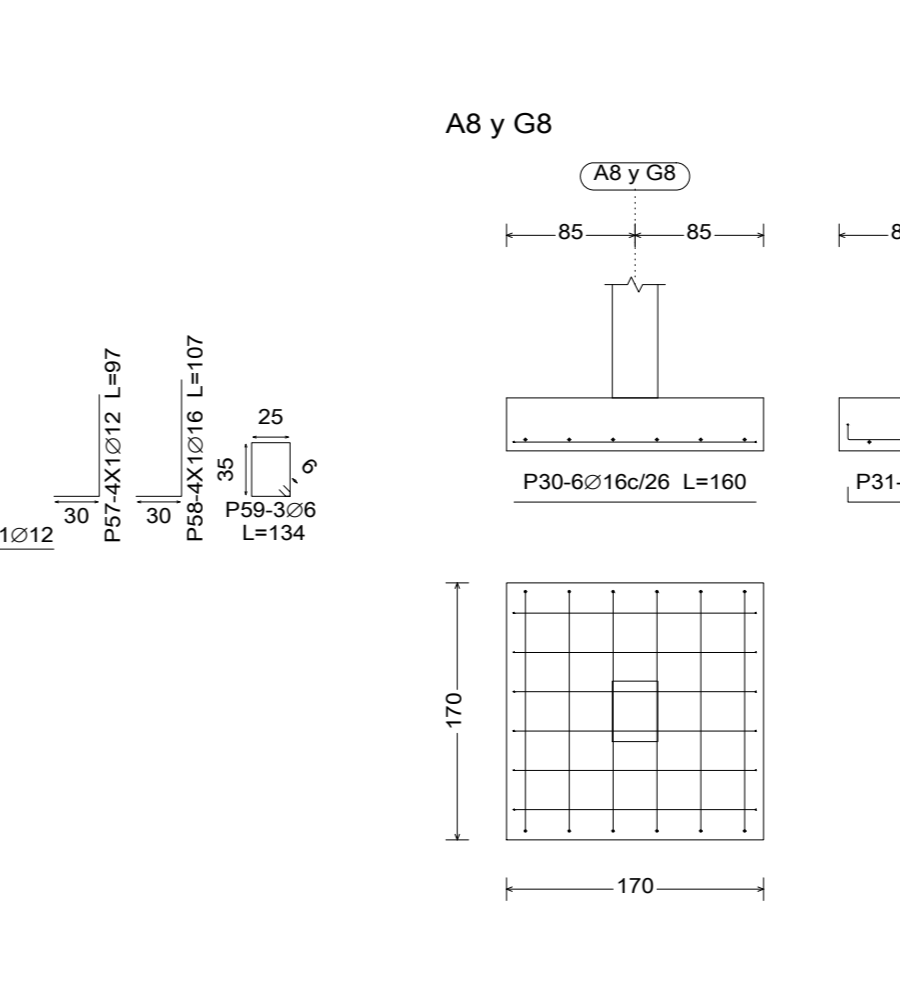
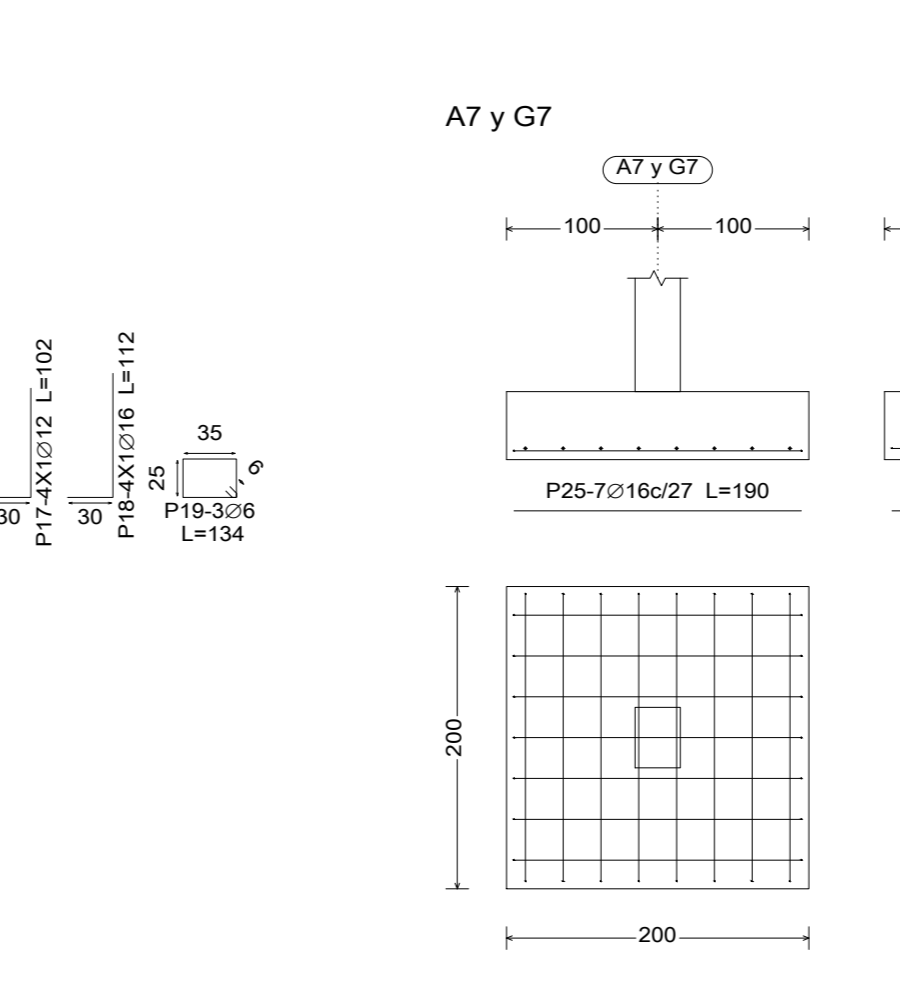
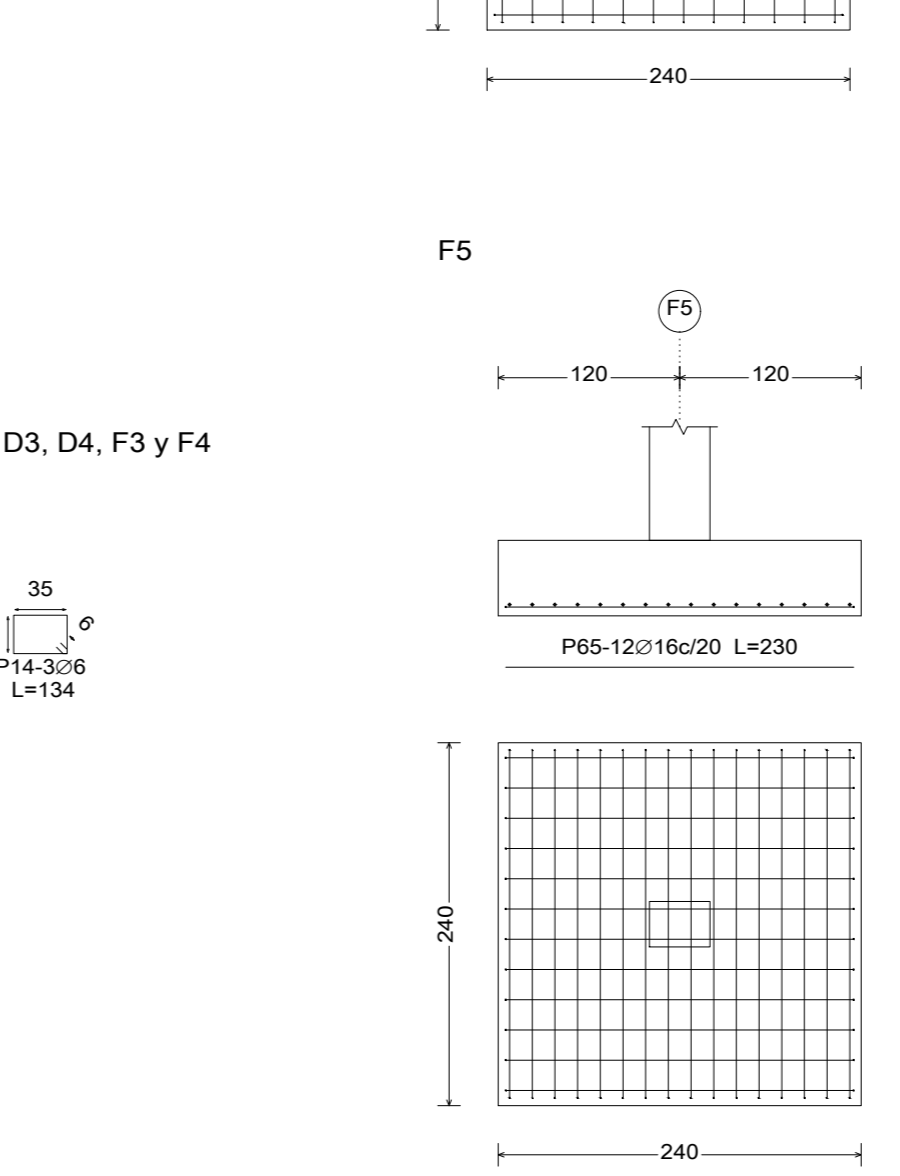
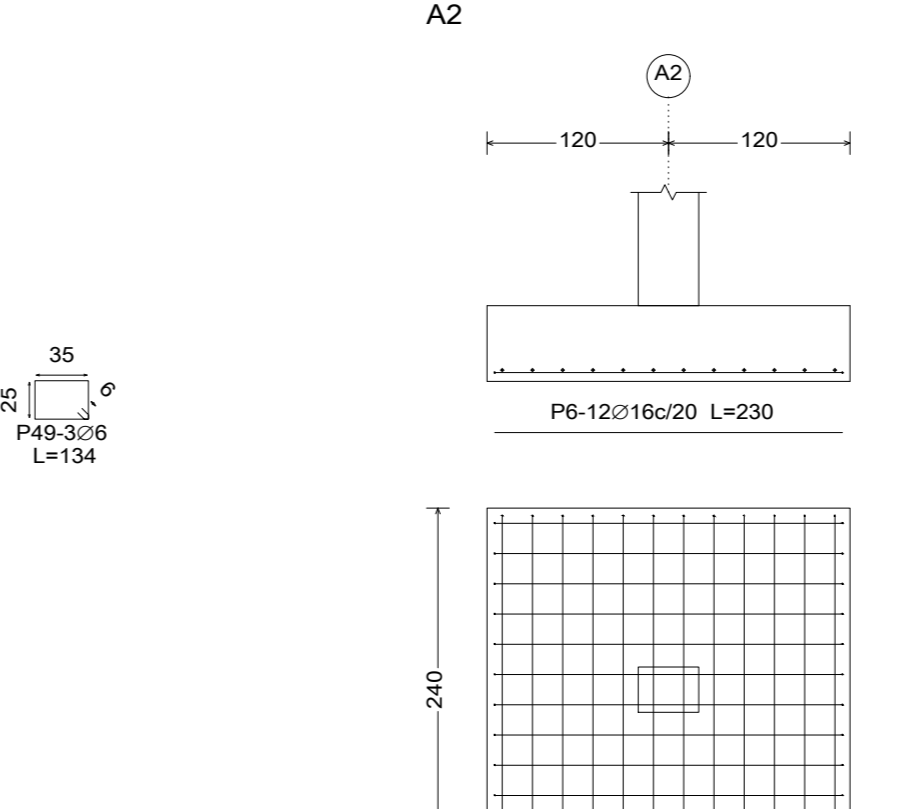
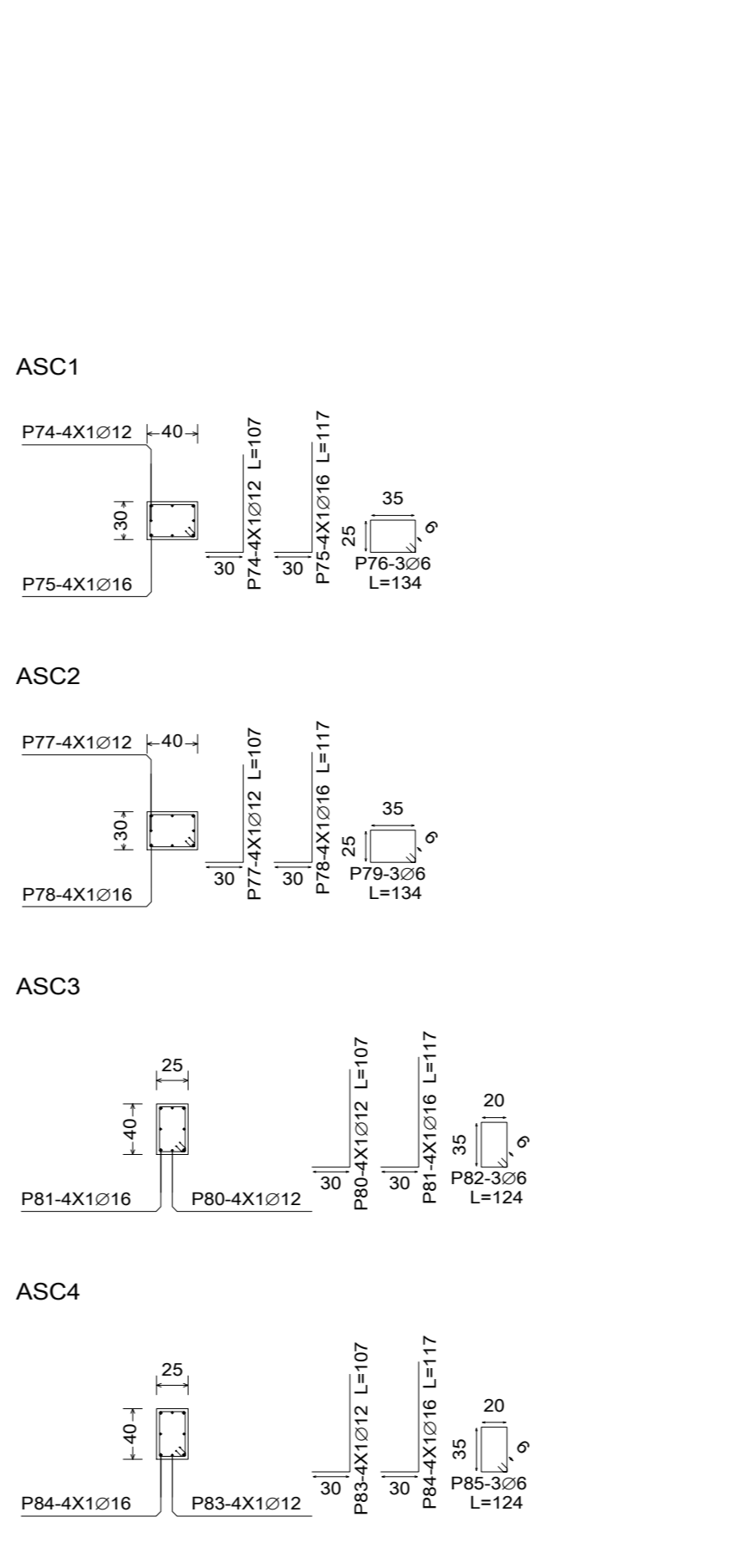
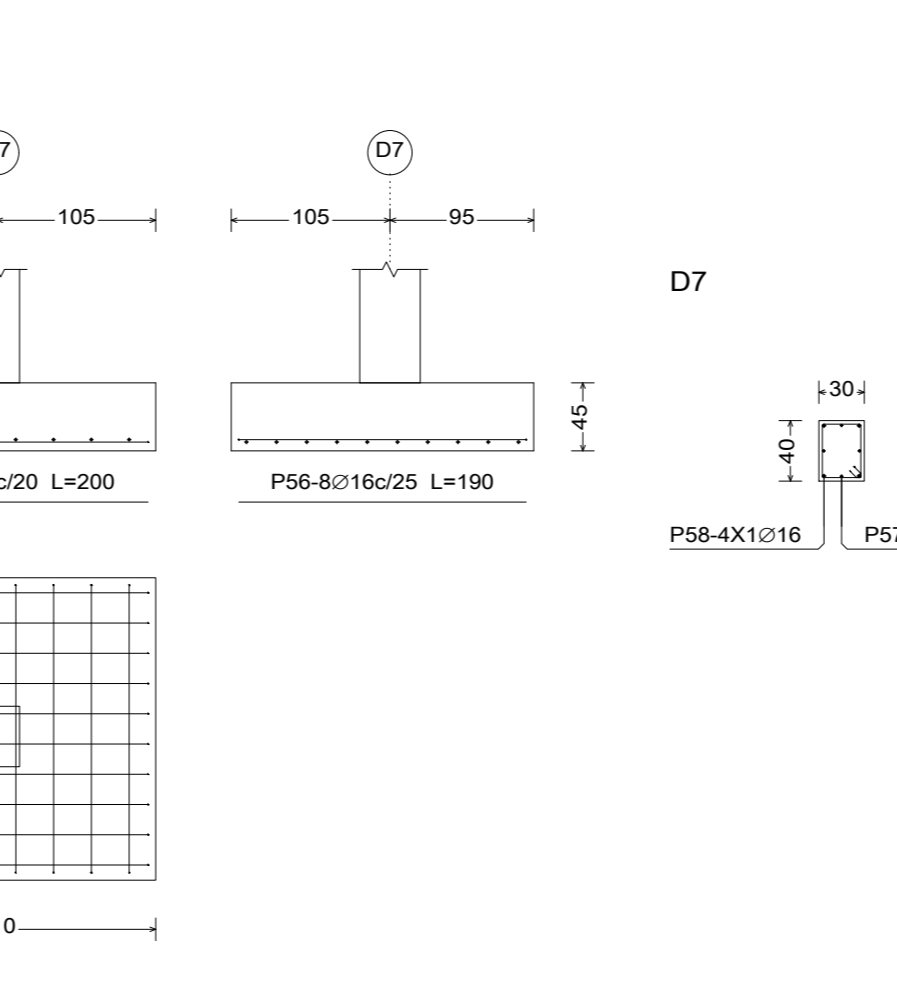
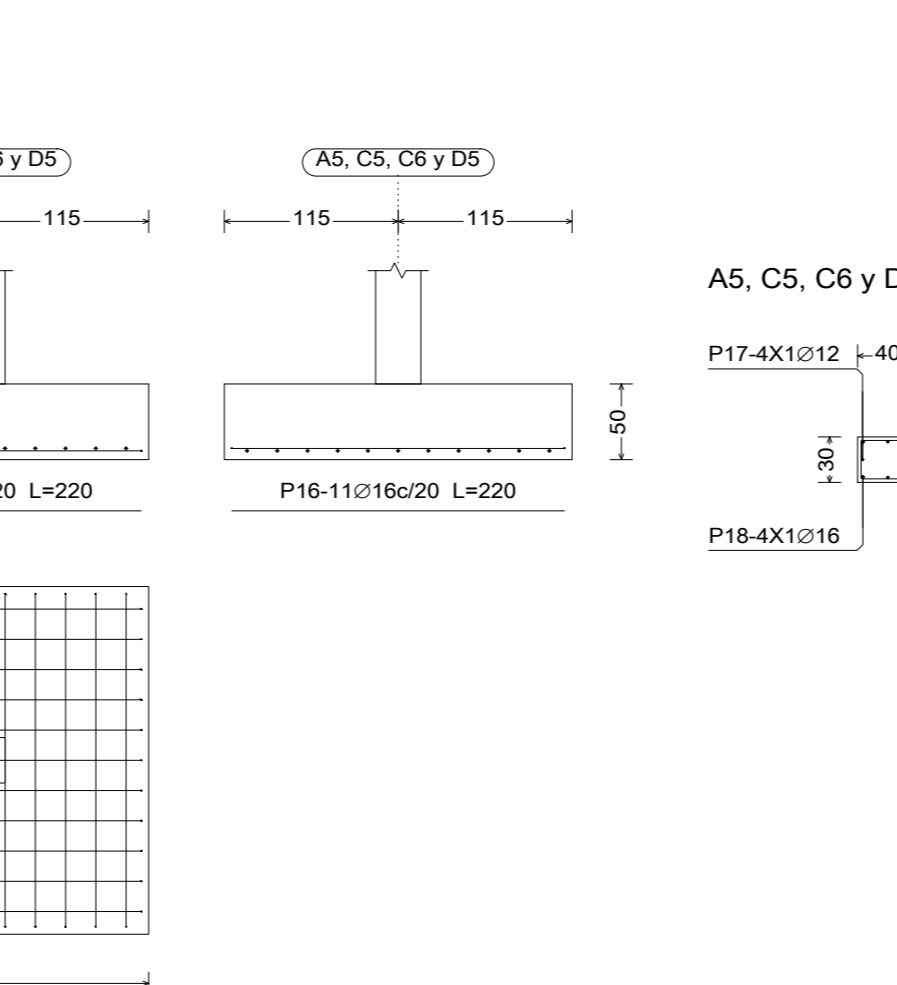
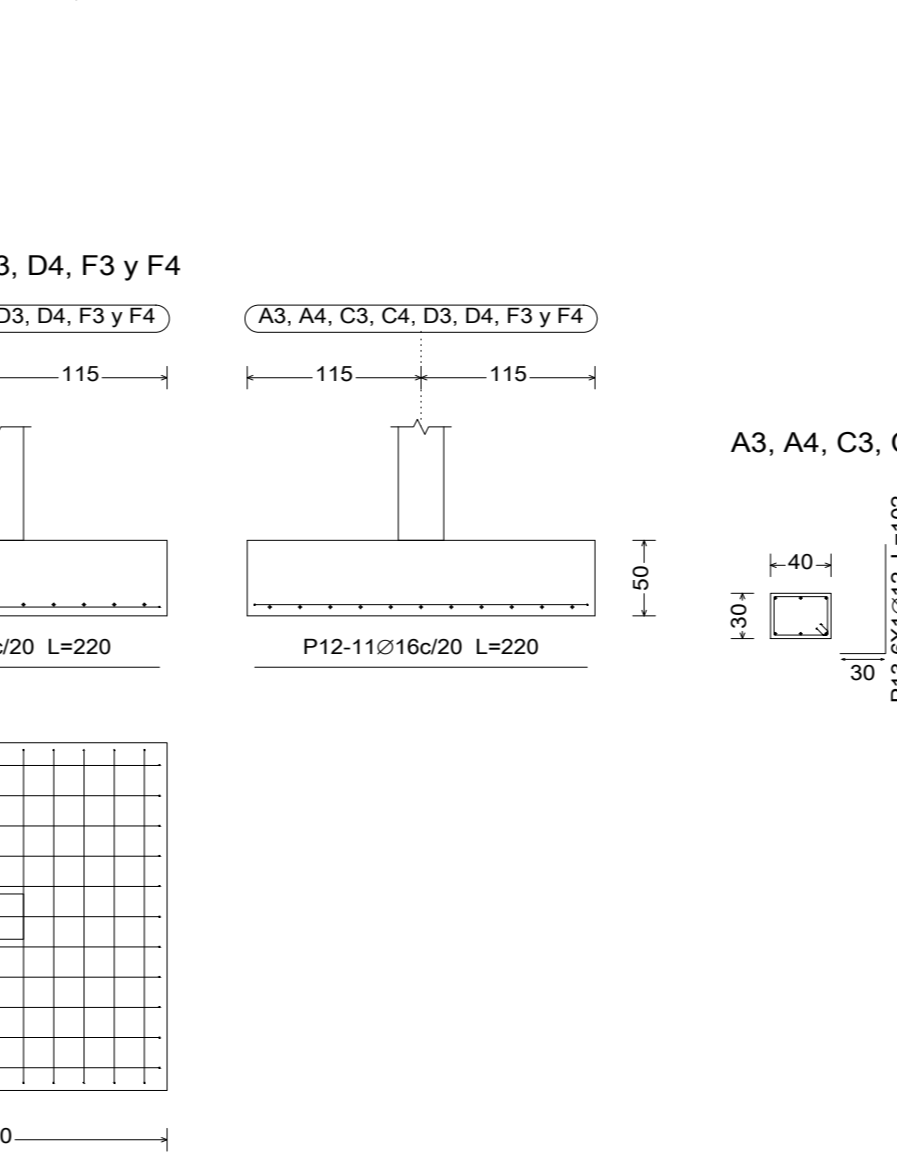
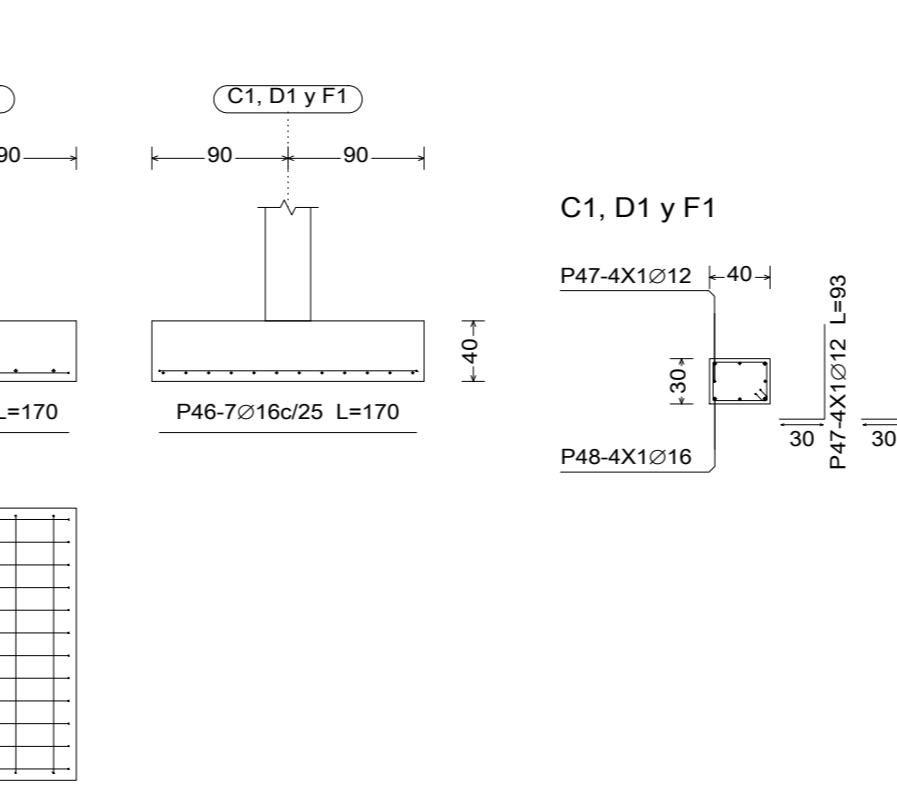
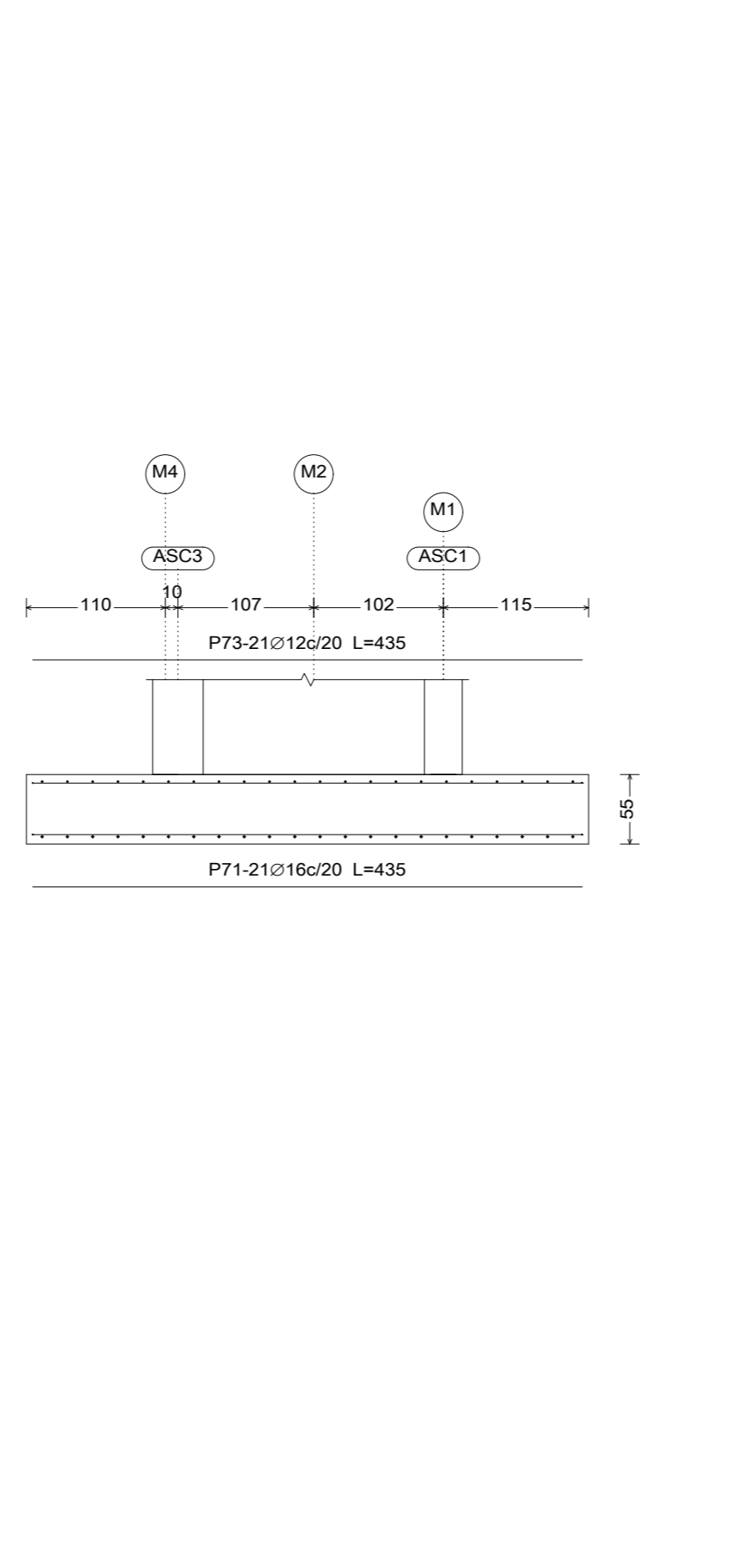
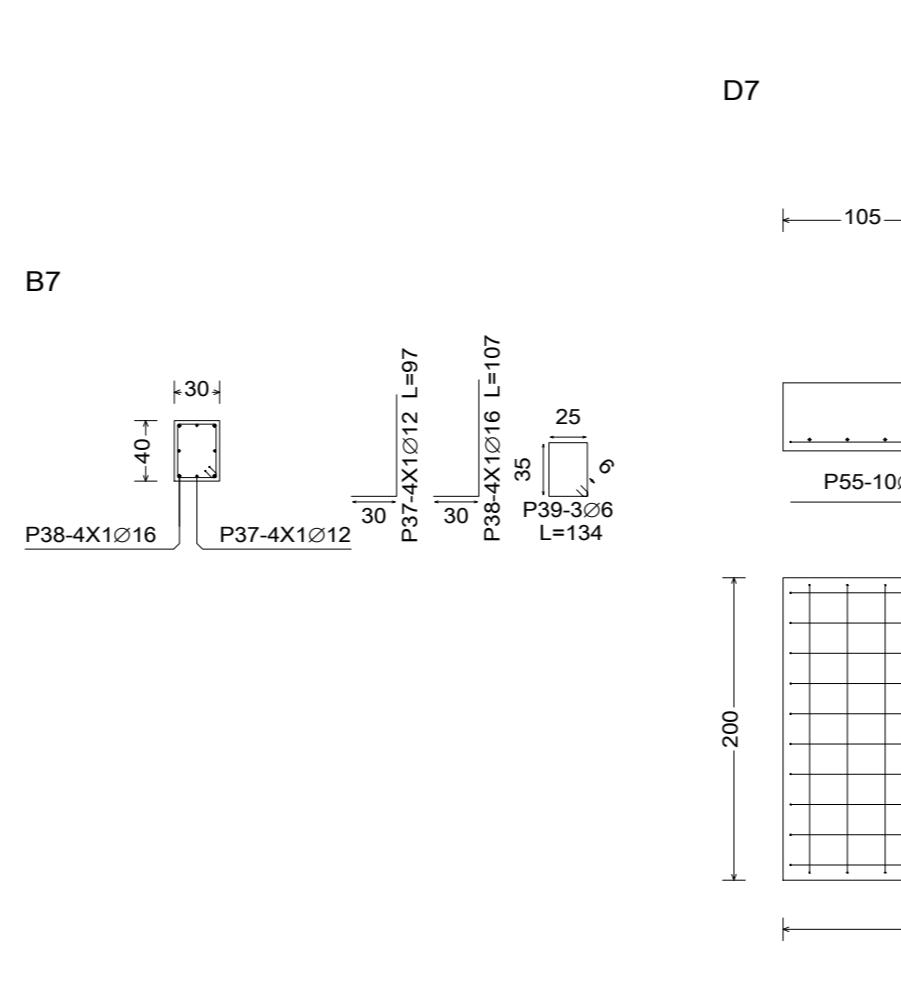
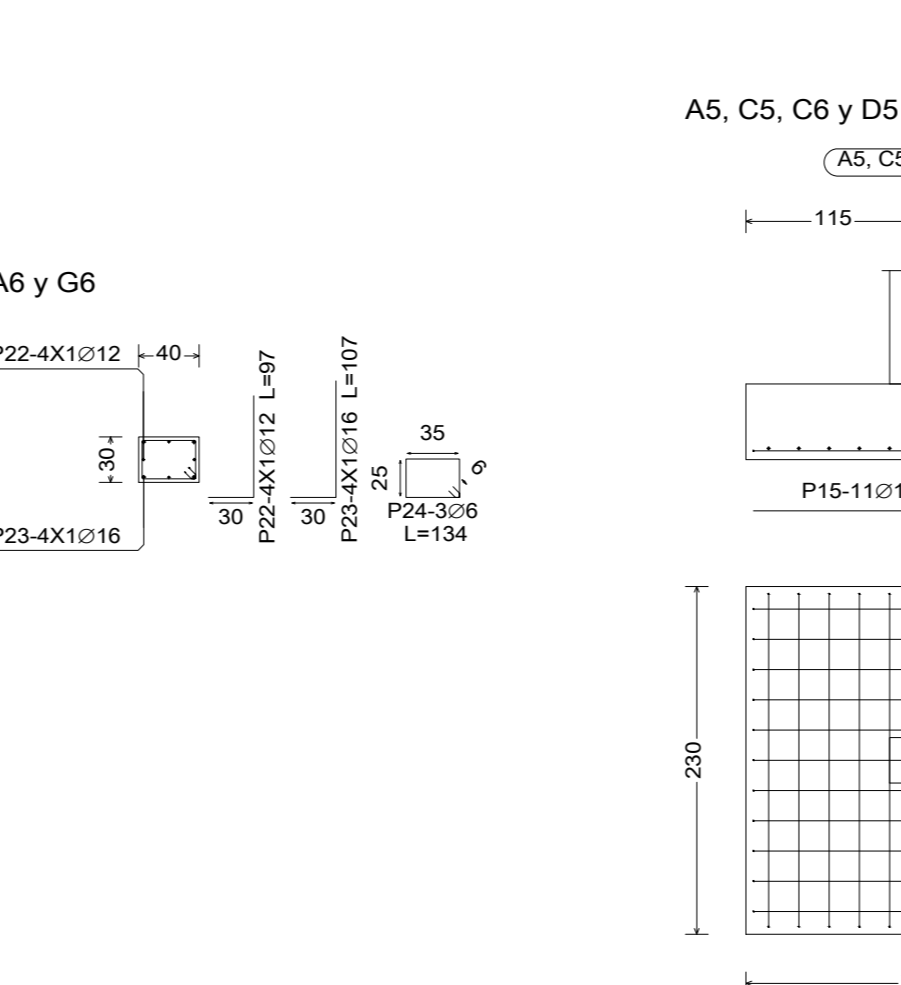
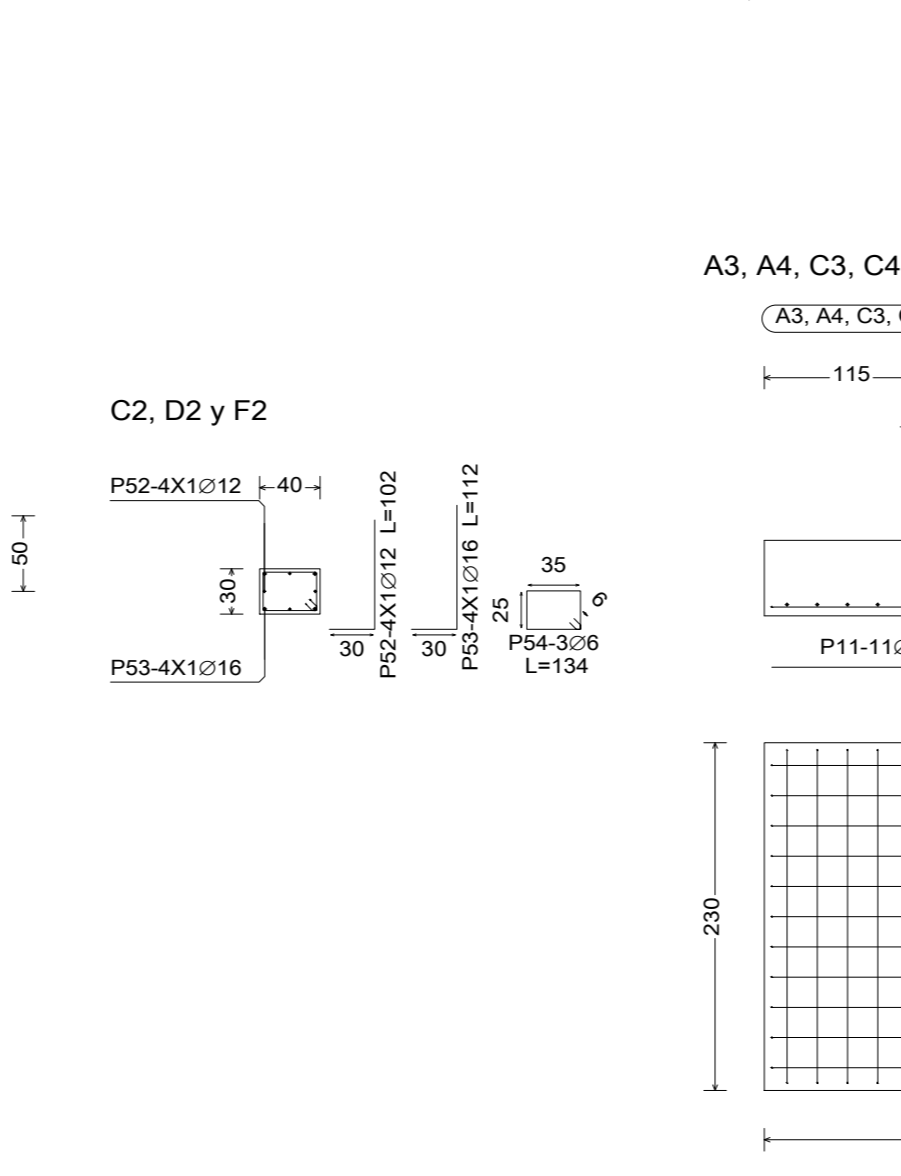
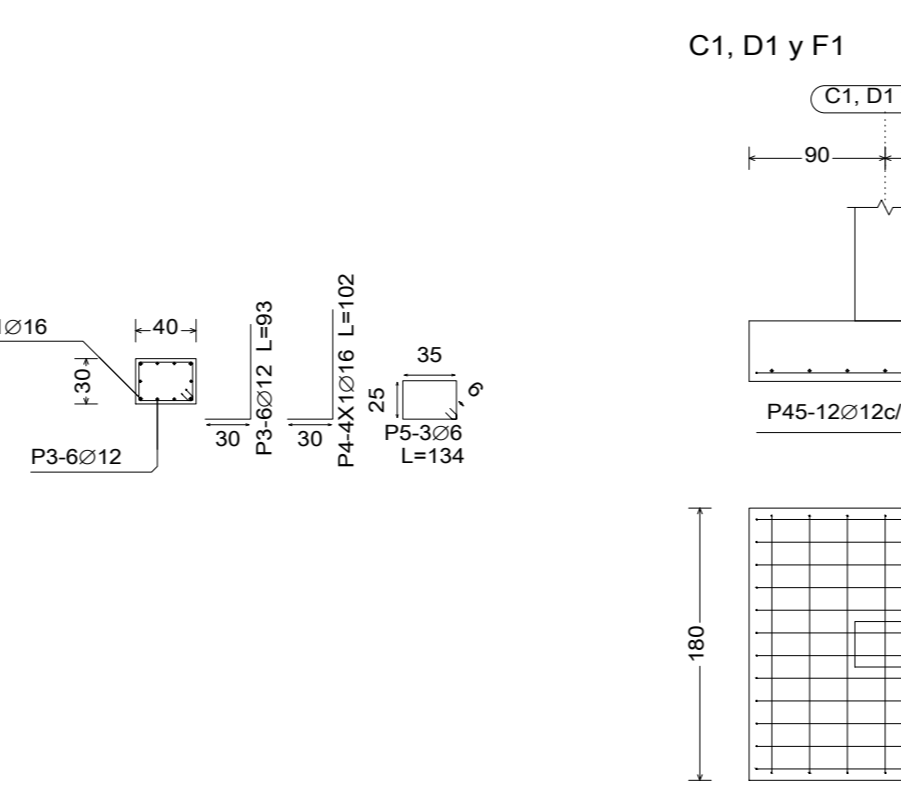
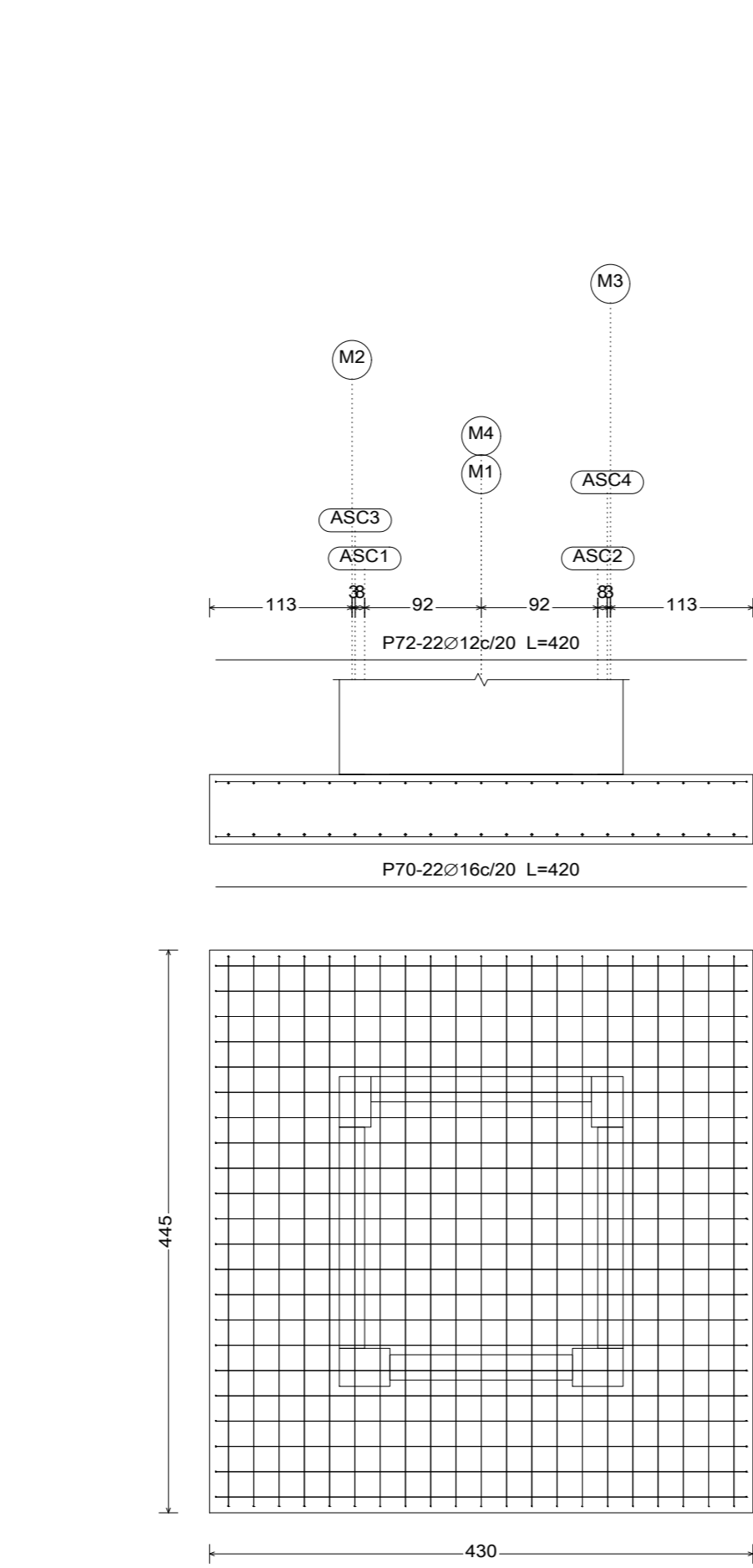
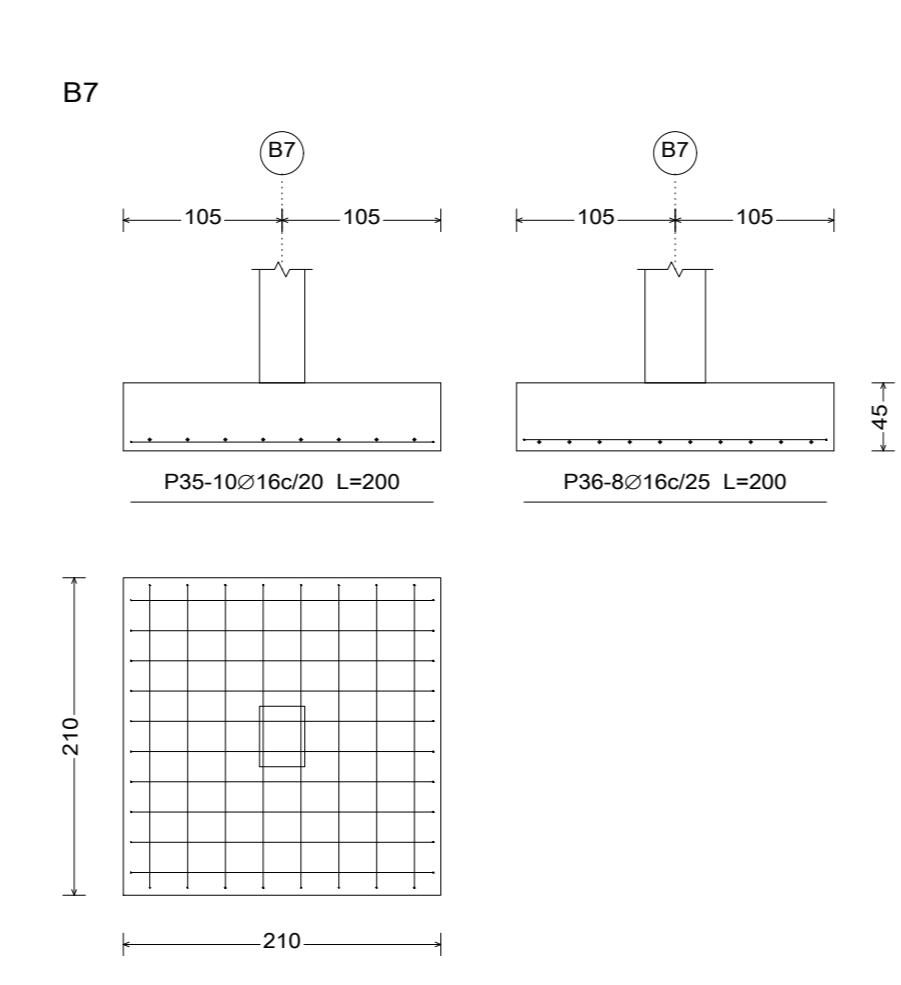
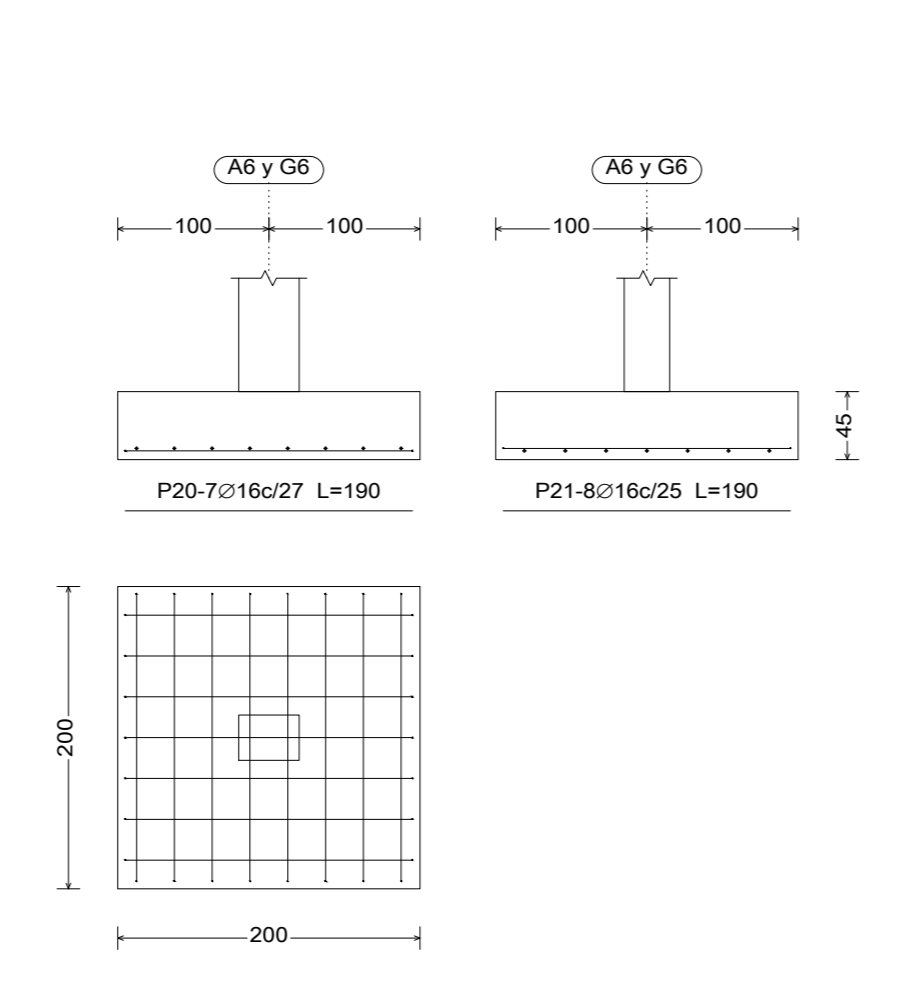
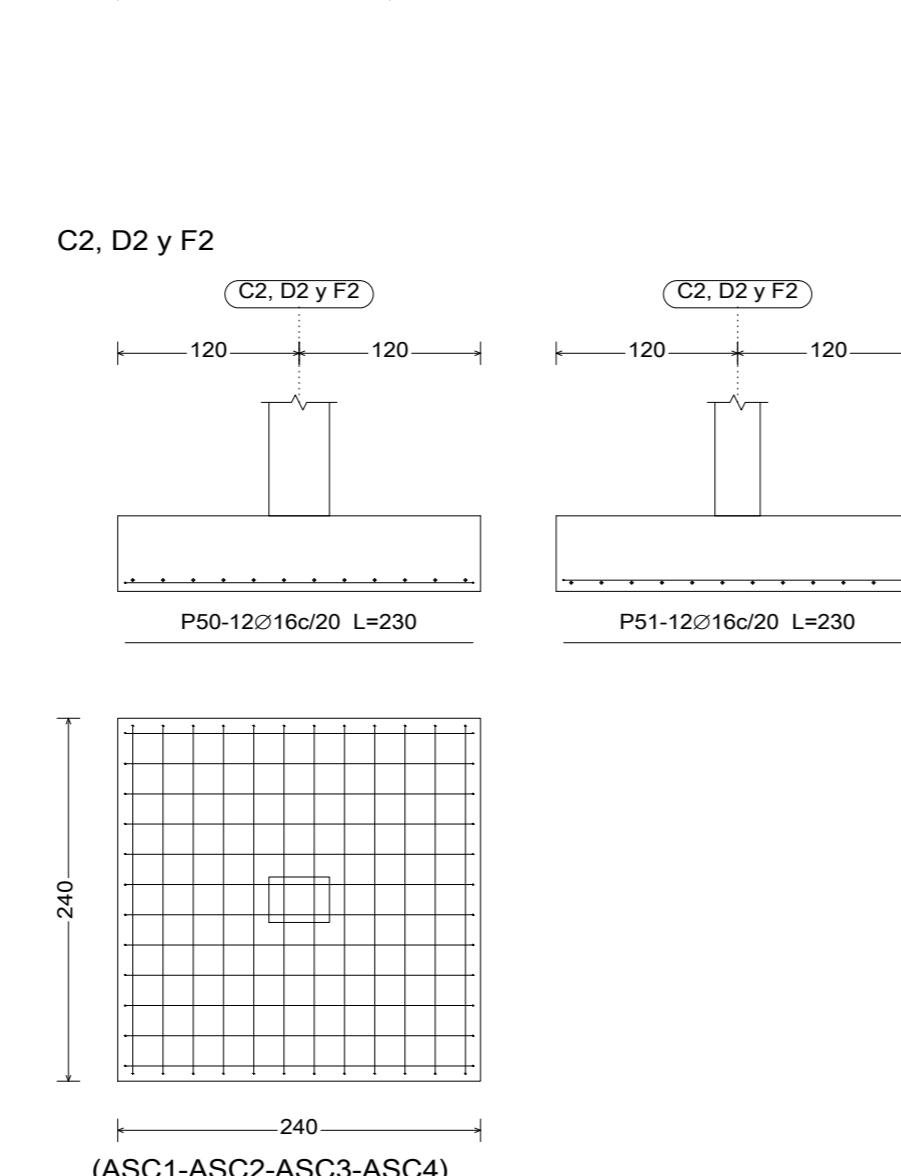
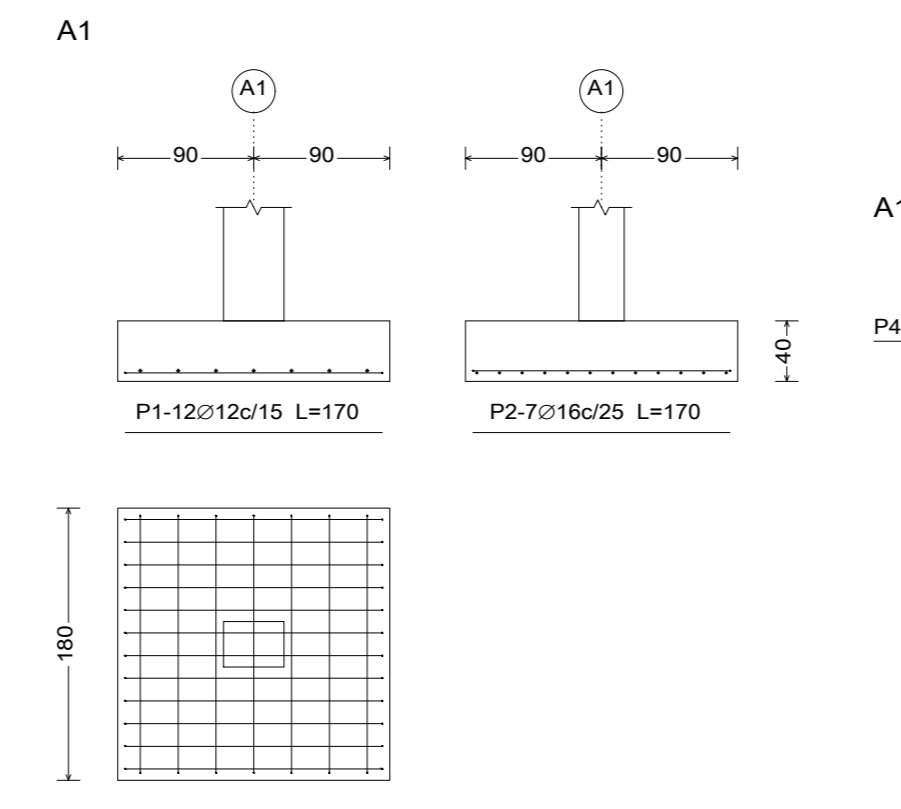
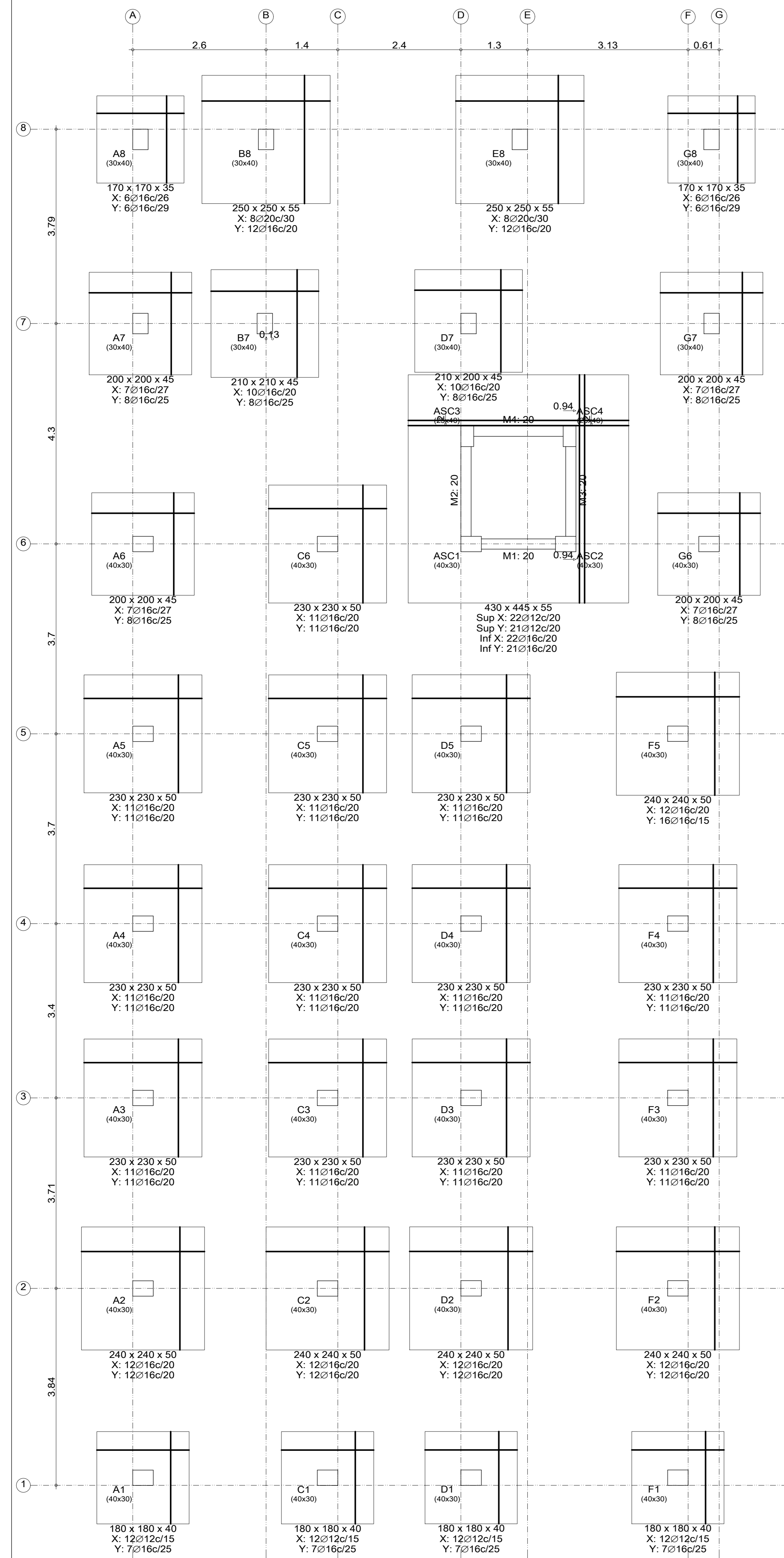
CODIGO CATASTRAL: 23-170-16-0-0-0

FECHA: T.J.A. JULIO 2.019

ESCALA: INDICADAS

ZONA: MORROS BLANCOS

REGISTRO C.A.T.:



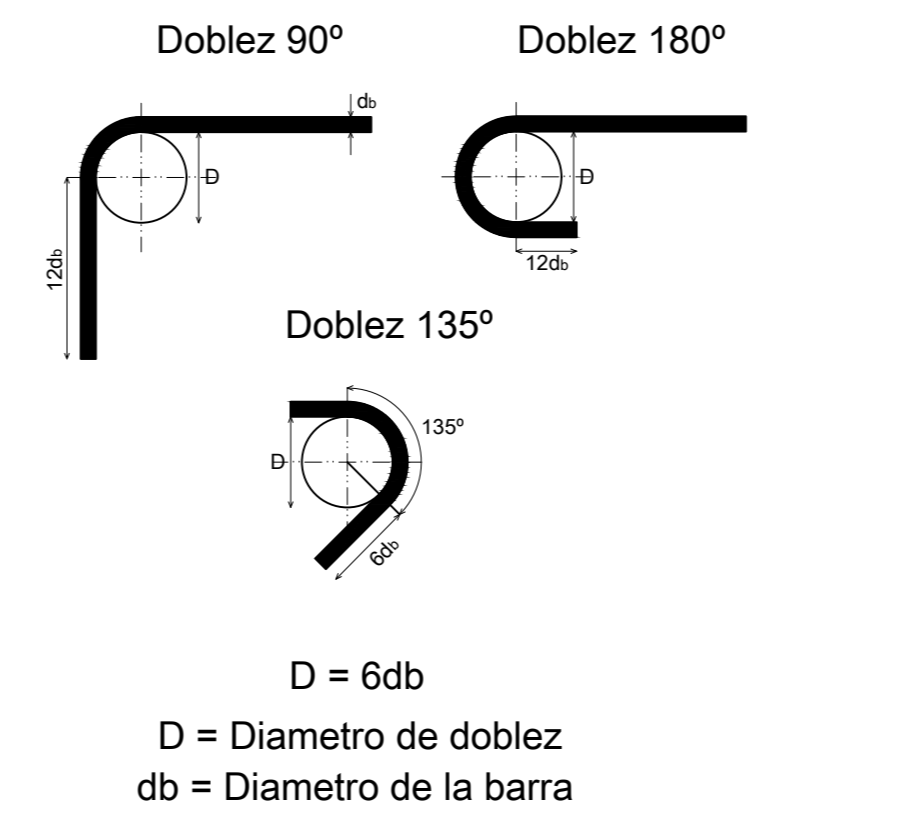
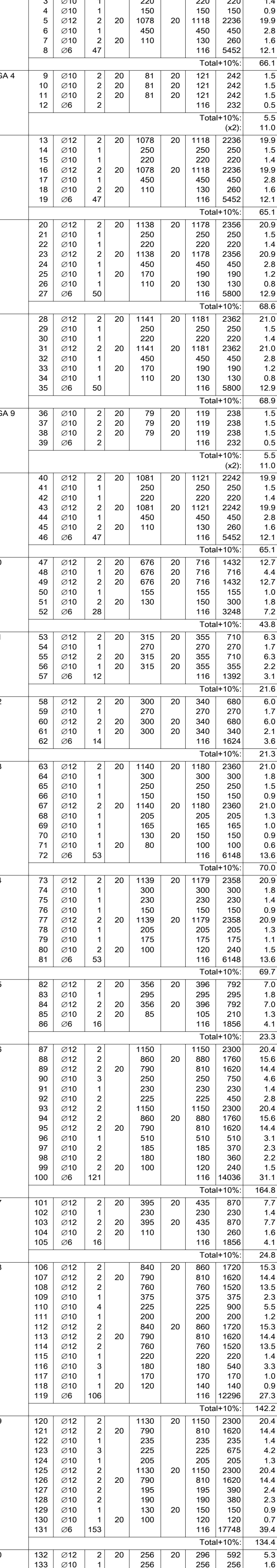
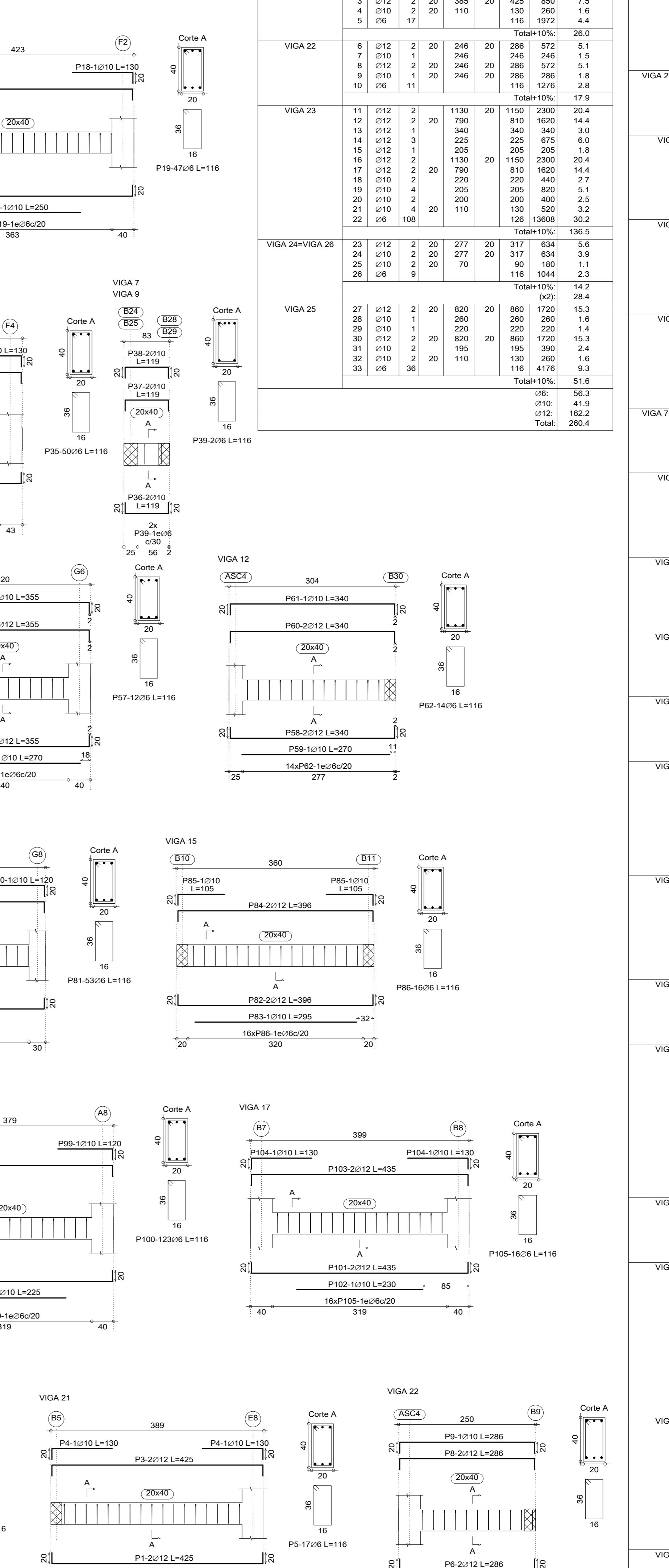
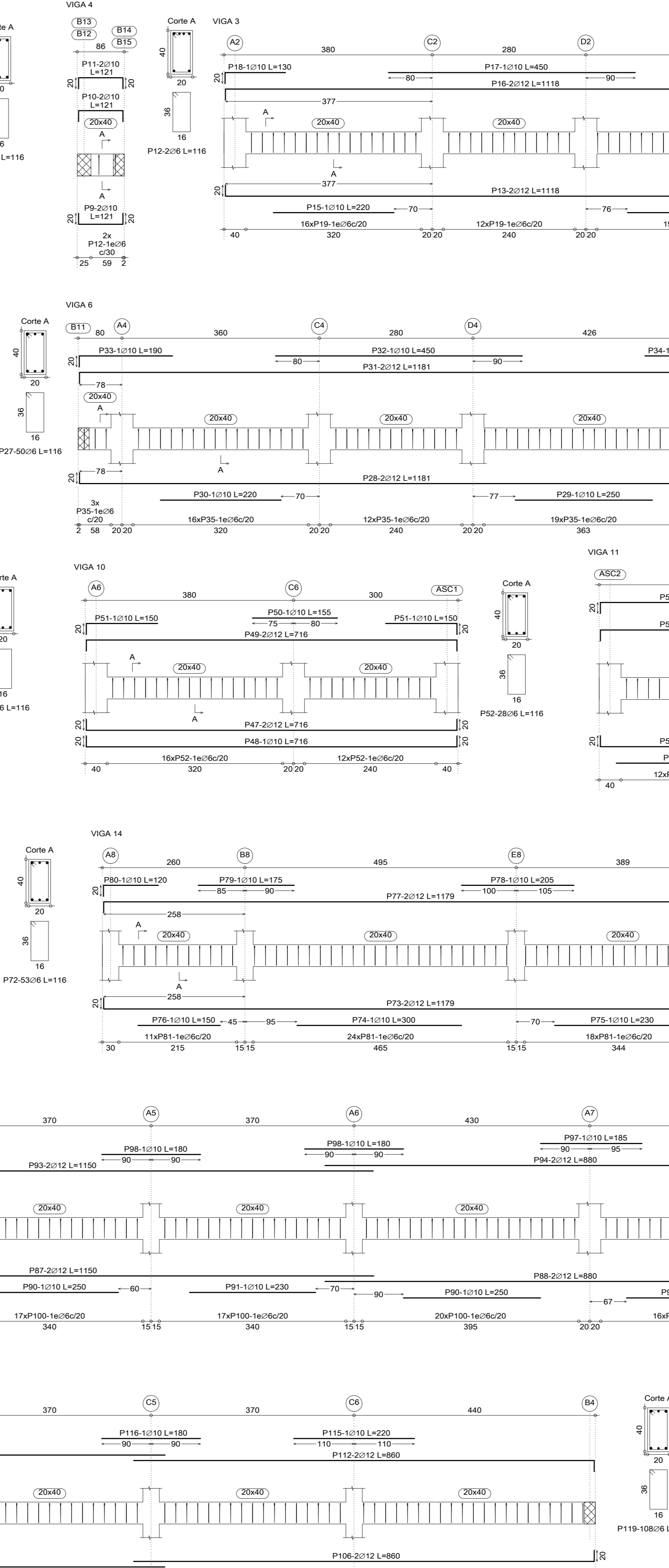
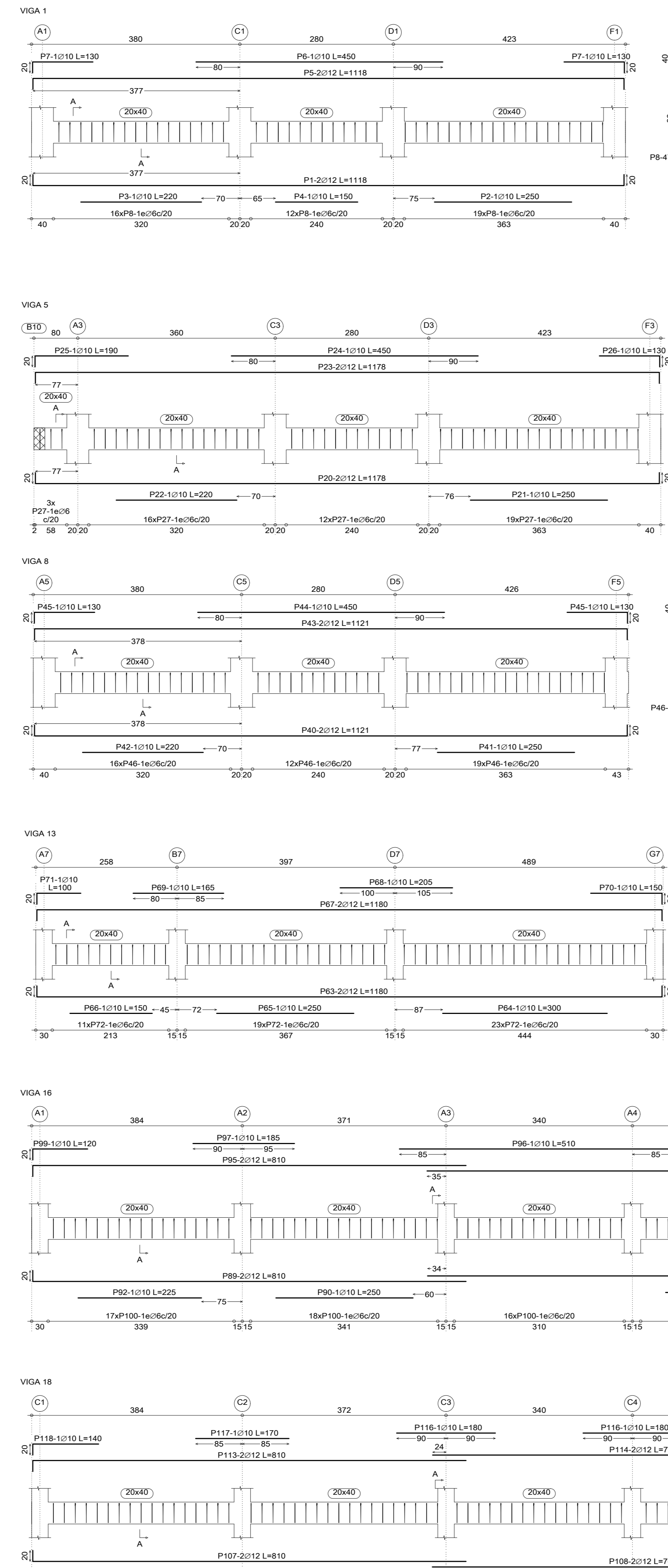
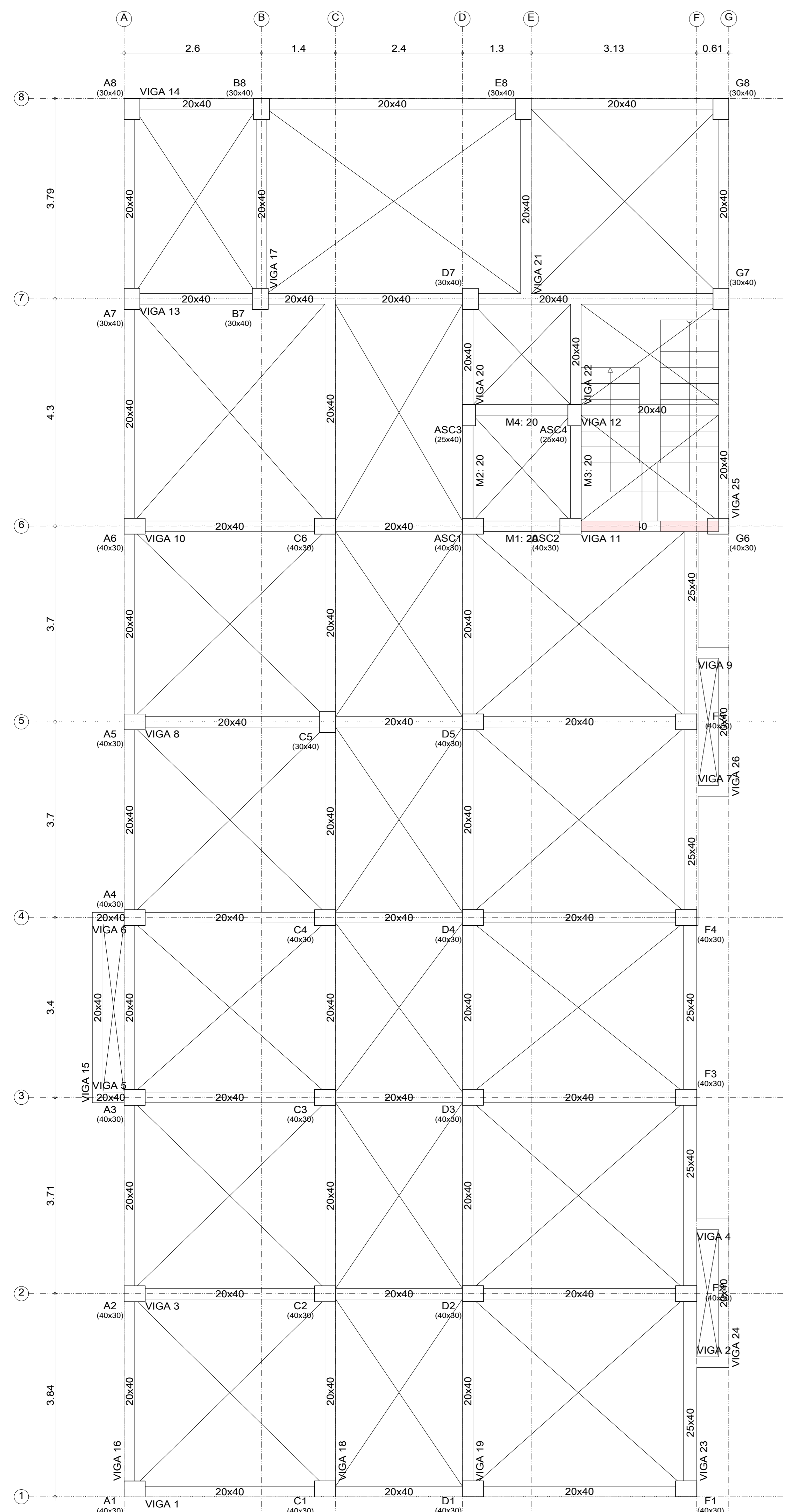
| Elemento | Pos. | Diám. | No. | Pat. (cm) | Recla (cm) | Long (cm) | Total (cm) | AH-500CN | (kg) | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|------|-------|-----|-----------|------------|-----------|------------|----------|-------|----|-----|----|-----|-----|------|-------|-------|------|-----|-----|-----|------|-------|-----|------|-----|-----|-----|------|-------|-----|-----|-----------|-----|
| A1 | 1 | Ø12 | 12 | 170 | 170 | 1190 | 188 | 18.1 | 54.1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 2 | Ø16 | 7 | 170 | 170 | 1190 | 188 | 54.1 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 3 | Ø12 | 6 | 30 | 63 | 93 | 558 | 5.0 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | Ø16 | 4 | 30 | 134 | 134 | 402 | 0.9 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Total+10% | | | | | | | | | 61.7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| A2 | 6 | Ø16 | 12 | 230 | 230 | 2760 | 43.6 | 110.7 | 43.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 8 | Ø12 | 6 | 30 | 72 | 102 | 812 | 5.4 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 9 | Ø16 | 4 | 30 | 82 | 112 | 448 | 7.1 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | Ø6 | 3 | 134 | 134 | 402 | 0.9 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total+10% | |
| A3+A4+C3+C4+D3 | 11 | Ø16 | 11 | 220 | 220 | 2420 | 38.7 | 110.7 | 38.7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 12 | Ø12 | 6 | 30 | 63 | 93 | 558 | 5.4 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 13 | Ø16 | 4 | 30 | 72 | 102 | 812 | 5.4 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | Ø6 | 3 | 134 | 134 | 402 | 0.9 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total+10% | |
| A5+C5+D5 | 15 | Ø16 | 11 | 220 | 220 | 2420 | 38.2 | 110.7 | 38.2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 16 | Ø16 | 11 | 220 | 220 | 2420 | 38.2 | 110.7 | 38.2 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 17 | Ø12 | 6 | 30 | 72 | 102 | 812 | 5.4 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | Ø16 | 4 | 30 | 82 | 112 | 448 | 7.1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total+10% | | | | | | | | | 96.8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| A6+G6 | 20 | Ø16 | 7 | 190 | 190 | 1320 | 21.0 | 110.7 | 21.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 21 | Ø16 | 8 | 30 | 67 | 97 | 388 | 3.4 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 22 | Ø12 | 4 | 30 | 77 | 107 | 428 | 6.8 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | Ø16 | 4 | 30 | 77 | 107 | 428 | 6.8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| Total+10% | | | | | | | | | 61.7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| A7+G7 | 25 | Ø16 | 7 | 190 | 190 | 1320 | 21.0 | 110.7 | 21.0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 26 | Ø16 | 8 | 30 | 67 | 97 | 388 | 3.4 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 27 | Ø12 | 4 | 30 | 77 | 107 | 428 | 6.8 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | Ø16 | 4 | 30 | 77 | 107 | 428 | 6.8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| Total+10% | | | | | | | | | 61.7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| A8+G8 | 30 | Ø16 | 6 | 160 | 160 | 960 | 15.2 | 110.7 | 15.2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 31 | Ø16 | 6 | 160 | 160 | 960 | 15.2 | 110.7 | 15.2 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 32 | Ø12 | 6 | 30 | 57 | 87 | 348 | 3.1 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 33 | Ø16 | 4 | 30 | 72 | 102 | 388 | 6.1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total+10% | | | | | | | | | 48.4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| B7 | 35 | Ø16 | 10 | 200 | 200 | 2000 | 31.6 | 110.7 | 31.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 36 | Ø16 | 8 | 30 | 200 | 200 | 1600 | 23.3 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 37 | Ø12 | 4 | 30 | 67 | 97 | 388 | 3.4 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 38 | Ø16 | 4 | 30 | 77 | 107 | 428 | 6.8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 39 |
| Total+10% | | | | | | | | | 74.8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| B8 | 40 | Ø20 | 8 | 240 | 240 | 1920 | 47.4 | 110.7 | 47.4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 41 | Ø16 | 6 | 30 | 77 | 107 | 428 | 3.6 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 42 | Ø12 | 4 | 30 | 77 | 107 | 428 | 3.6 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 43 | Ø16 | 4 | 30 | 87 | 117 | 468 | 7.4 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 |
| Total+10% | | | | | | | | | 115.5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1+D1+F1 | 45 | Ø12 | 12 | 170 | 170 | 1710 | 18.8 | 110.7 | 18.8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 46 | Ø16 | 7 | 170 | 170 | 1190 | 18.8 | 18.8 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 47 | Ø12 | 4 | 30 | 63 | 93 | 372 | 3.3 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 48 | Ø16 | 4 | 30 | 72 | 102 | 408 | 6.4 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 |
| Total+10% | | | | | | | | | 52.3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| C2+D2+F2 | 50 | Ø16 | 12 | 230 | 230 | 2760 | 43.6 | 110.7 | 43.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 51 | Ø16 | 12 | 230 | 230 | 2760 | 43.6 | 110.7 | 43.6 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 52 | Ø12 | 4 | 30 | 72 | 102 | 408 | 3.6 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 | Ø16 | 4 | 30 | 82 | 112 | 448 | 7.1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total+10% | | | | | | | | | 108.7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| D7 | 55 | Ø16 | 10 | 200 | 200 | 2000 | 31.6 | 110.7 | 31.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 56 | Ø16 | 8 | 30 | 190 | 190 | 1520 | 24.0 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 57 | Ø12 | 4 | 30 | 67 | 97 | 388 | 3.4 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 58 | Ø16 | 4 | 30 | 77 | 107 | 428 | 6.8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 59 |
| Total+10% | | | | | | | | | 73.4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| E8 | 60 | Ø20 | 8 | 240 | 240 | 1920 | 47.4 | 110.7 | 47.4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 61 | Ø16 | 6 | 30 | 77 | 107 | 428 | 3.6 | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 62 | Ø16 | 6 | 30 | 87 | 117 | 702 | 11.1 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 63 | Ø12 | 4 | 30 | 87 | 117 | 468 | 7.4 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 64 |
| Total+10% | | | | | | | | | 117.5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| F5 | 65 | Ø16 | 12 | 230 | 230 | 2760 | 43.6 | 110.7 | 43.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 66 | Ø16 | 12 | 230 | 230 | 2760 | 43.6 | 110.7 | 43.6 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 67 | Ø12 | 4 | 30 | 72 | 102 | 408 | 3.6 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 68 | Ø16 | 4 | 30 | 82 | 112 | 448 | 7.1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total+10% | | | | | | | | | 124.6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| ASC1-ASC2-ASC3-ASC4 | 70 | Ø16 | 22 | 420 | 420 | 9240 | 145.8 | 110.7 | 145.8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 71 | Ø16 | 21 | 435 | 435 | 9135 | 144.2 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 72 | Ø12 | 22 | 420 | 420 | 9240 | 145.8 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 73 | Ø12 | 22 | 435 | 435 | 9135 | 144.2 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 74 | Ø12 | 22 | 420 |
| Total+10% | | | | | | | | | 154.6 | | | | | | | | | | | | | | | | | | | | | | | | | |

| Resumen Acero | Long. total (m) | Peso+10% (kg) | Total |
|--------------------|-----------------|---------------|-------|
| Fundación | 140.1 | 34 | |
| Despiece fundación | 55.1 | 37 | |
| Ø6 | 423.6 | 414 | |
| Ø16 | 1501.2 | 2606 | |
| Ø20 | 38.4 | 104 | 3195 |

| Referencias | Dimensiones (cm) | Altura (cm) | Armado inf. X | Armado inf. Y | Armado sup. X | Armado sup. Y |
|---|------------------|-------------|---------------|---------------|---------------|---------------|
| A1, C1, D1 y F1 | 180x180 | 40 | 12@12c/15 | 7@16c/25 | | |
| A2, C2, D2 y F2 | 240x240 | 50 | 12@16c/20 | 12@16c/20 | | |
| A3, A4, A5, C3, C4, C5, C6, D3, D4, D5, F3 y F4 | 230x230 | 50 | 11@16c/20 | 11@16c/20 | | |
| A6, A7, G6 y G7 | 200x200 | 45 | 7@16c/27 | 8@16c/25 | | |
| A8 y G8 | 170x170 | 35 | 6@16c/28 | 6@16c/29 | | |
| B7 | 210x210 | 45 | 10@16c/20 | 8@16c/ | | |

CUADRO DE COLUMNAS - VISTA TRANSVERSAL
Esc. 1:50

| A1=C1=D1=F1 | A2=A5=C2 C6=D2=D5 F2=F5 | A3=A4=C3 C4=D3=D4 F3=F4 | A6=G6 | A7=B7=D7 G7 | A8=G8 | ASC1 ASC2 | ASC3 ASC4 | B8 | C5 | E8 | TAPA |
|-------------|-------------------------------|-------------------------------|-------|----------------|-------|--------------|--------------|----|----|----|------|
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NOTAS GENERALES

- HORMIGON** - Fundaciones, Columnas, Vigas, Escaleras, Losas
fc=250[kg/cm²]
- ACERO** - fy=5000[kg/cm²]
- RECUBRIMIENTOS** - Fundaciones: 5.0 [cm]
Columnas, Vigas: 2.5 [cm]
Losas y escaleras: 2.0 [cm]
- CARGA MUERTA** - Losas: 380 [kg/m²]
Escaleras (soladura): 100 [kg/m²]
- CARGA VIVA** - Oficinas: 250 [kg/m²]
Pasillos: 400 [kg/m²]
Escaleras: 400 [kg/m²]
Cubierta: 100 [kg/m²]
- Capacidad admisible del suelo: 2.0 [kg/cm²]
- Nivel de fundación: -2.40 [m]
- Longitud de traslapo en elementos a tracción: 40 Ø[barra]
- Aceros en plano verificar con planilla de acero
- Toda medida debe ser verificada en obra
- Cualquier modificación al plano estructural exige cualquier responsabilidad al calculista.
- Escalas Indicadas

| Resumen Acero Vigas | Long. total (m) | Peso+10% (kg) | Total |
|---------------------|-----------------|---------------|-------|
| AH-500CN Ø16 | 1194.0 | 291 | |
| Ø10 | 293.9 | 199 | |
| Ø12 | 879.8 | 859 | 1349 |

UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO"
FACULTAD DE CIENCIAS Y TECNOLOGÍA
CARRERA DE INGENIERÍA CIVIL

DESIGNO ESTRUCTURAL "ALOJAMIENTO RIVERA"

CONTENIDO: PLANO DE VIGAS - PLANTA BAJA

UNIVERSITARIO: ALVARADO CHOQUE JHON DEIVIS

ESCALA: INDICADA

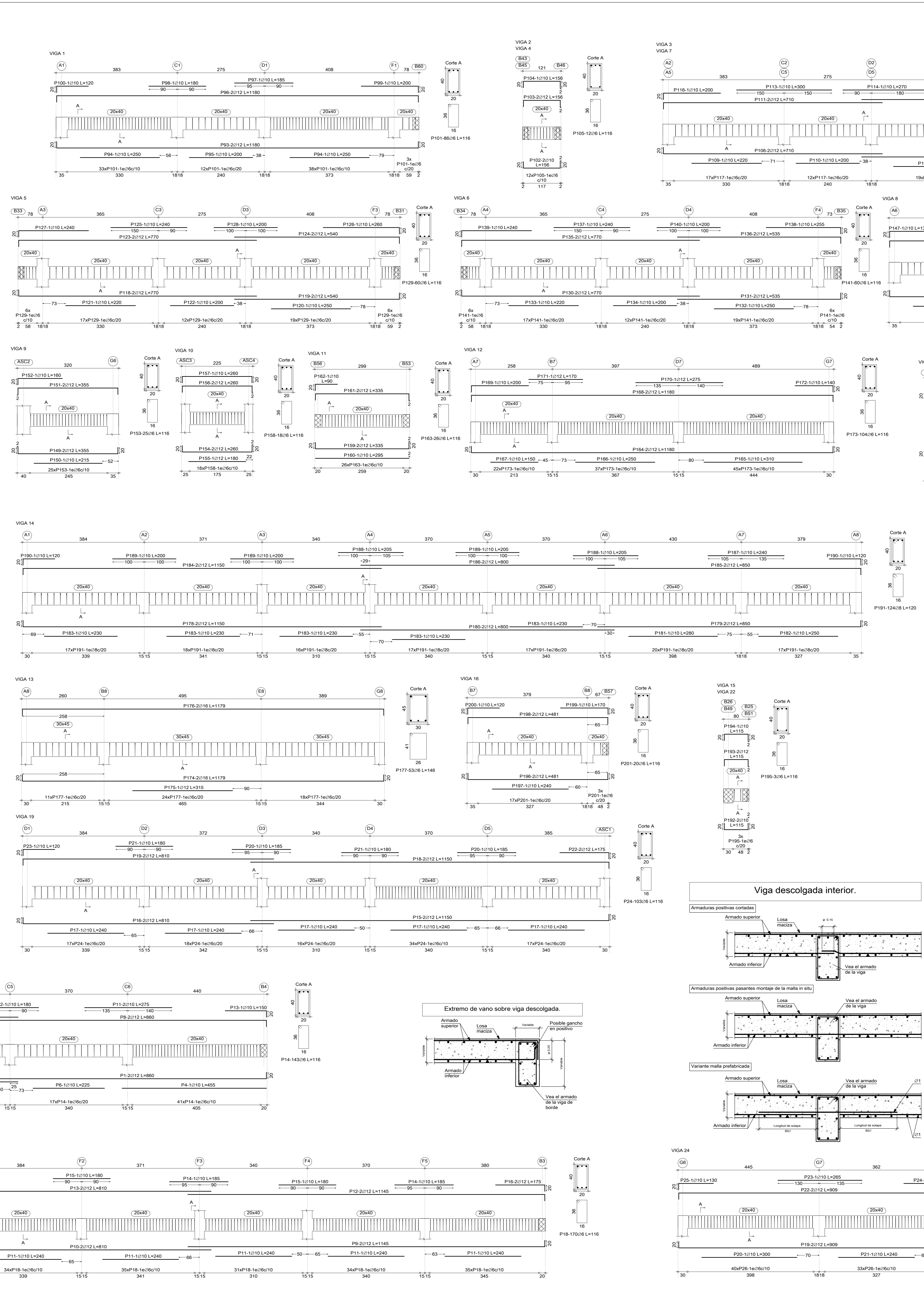
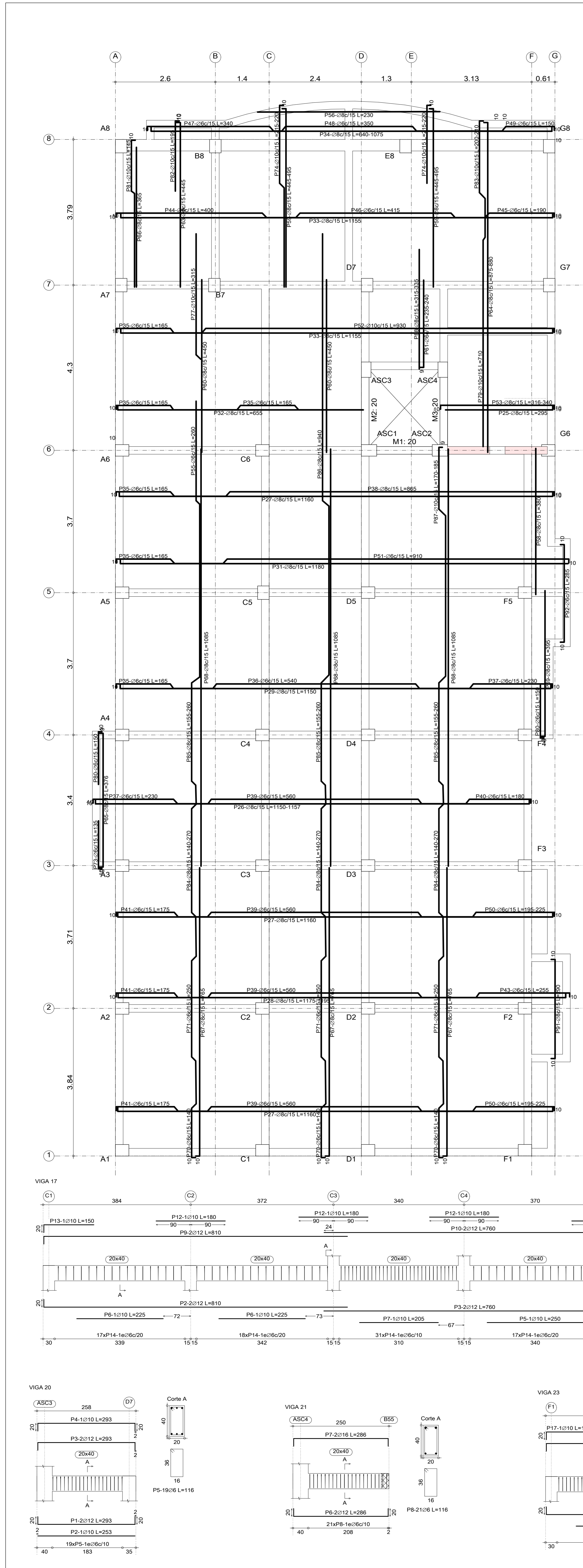
LÁMINA: 3/6

FECHA: Junio 2024

| Elemento | Pos. | Diám. | No. | Pat. Recta (cm) | Pat. Long. (cm) | Total (cm) | AH-500CN (kg) |
|-----------|------|-------|-----|-----------------|-----------------|------------|---------------|
| VIGA 21 | 1 | Ø12 | 2 | 20 | 385 | 20 | 7.5 |
| | 2 | Ø10 | 1 | 20 | 385 | 20 | 2.8 |
| | 3 | Ø12 | 2 | 20 | 385 | 20 | 7.5 |
| | 4 | Ø10 | 1 | 20 | 385 | 20 | 2.8 |
| | 5 | Ø12 | 2 | 20 | 385 | 20 | 7.5 |
| Total+10% | | | | | | | 26.0 |
| VIGA 22 | 6 | Ø12 | 2 | 20 | 246 | 20 | 5.1 |
| | 7 | Ø10 | 1 | 20 | 246 | 20 | 1.8 |
| | 8 | Ø12 | 2 | 20 | 246 | 20 | 5.1 |
| | 9 | Ø10 | 1 | 20 | 246 | 20 | 1.8 |
| | 10 | Ø12 | 2 | 20 | 246 | 20 | 5.1 |
| Total+10% | | | | | | | 17.9 |

| Elemento | Pos. | Diám. | No. | Pat. Recta (cm) | Pat. Long. (cm) | Total (cm) | AH-500CN (kg) |
|-----------|------|-------|-----|-----------------|-----------------|------------|---------------|
| VIGA 1 | 1 | Ø10 | 2 | 20 | 1078 | 20 | 12.1 |
| | 2 | Ø10 | 1 | 20 | 1078 | 20 | 4.4 |
| | 3 | Ø10 | 1 | 20 | 1078 | 20 | 4.4 |
| Total+10% | | | | | | | 20.9 |

| Elemento | Pos. | Diám. | No. | Pat. Recta (cm) | Pat. Long. (cm) | Total (cm) | AH-500CN (kg) |
|---------------|------|-------|-----|-----------------|-----------------|------------|---------------|
| VIGA 2+VIGA 4 | 9 | Ø10 | 2 | 20 | 81 | 20 | 1.5 |
| | 10 | Ø10 | 2 | 20 | 81 | 20 | 1.5 |
| | 11 | Ø10 | 2 | 20 | 81 | 20 | 1.5 |
| Total+10% | | | | | | | 4.5 |



| Elemento | Pos. | Diám. | No. | Recla (cm) | Pat (cm) | Long (cm) | Total AH-500CN (kg) |
|-----------------|------|-------|-----|------------|----------|-----------|---------------------|
| VIGA 1 | 83 | Ø12 | 2 | 1140 | 20 | 1160 | 2390 |
| VIGA 2+VIGA 4 | 102 | Ø12 | 2 | 116 | 20 | 156 | 312 |
| VIGA 3+VIGA 7 | 106 | Ø12 | 2 | 690 | 20 | 710 | 1420 |
| VIGA 5 | 118 | Ø12 | 2 | 750 | 20 | 770 | 1540 |
| VIGA 6 | 130 | Ø12 | 2 | 750 | 20 | 770 | 1540 |
| VIGA 8 | 145 | Ø12 | 2 | 676 | 20 | 696 | 1372 |
| VIGA 9 | 149 | Ø12 | 2 | 315 | 20 | 335 | 670 |
| VIGA 10 | 154 | Ø12 | 2 | 220 | 20 | 240 | 480 |
| VIGA 11 | 159 | Ø12 | 2 | 295 | 20 | 315 | 630 |
| VIGA 12 | 164 | Ø12 | 2 | 1140 | 20 | 1160 | 2390 |
| VIGA 13 | 174 | Ø12 | 2 | 1139 | 20 | 1159 | 2338 |
| VIGA 14 | 177 | Ø12 | 2 | 1139 | 20 | 1159 | 2338 |
| VIGA 15+VIGA 24 | 192 | Ø12 | 2 | 76 | 20 | 96 | 192 |

| Resumen Acero | Long. total (m) | Peso (kg) | Total |
|---------------|-----------------|-------------|-------------|
| AH-500CN Ø6 | 1390.5 | 339 | 64 |
| Ø8 | 146.4 | 64 | 1.4 |
| Ø10 | 254.9 | 173 | 3.8 |
| Ø12 | 861.7 | 842 | 18.6 |
| Ø16 | 52.9 | 92 | 2.0 |
| Total | | 1510 | 30.2 |

| Elemento | Pos. | Diám. | No. | Recla (cm) | Pat (cm) | Long (cm) | Total AH-500CN (kg) |
|-----------------|------|-------|-----|------------|----------|-----------|---------------------|
| VIGA 16 | 196 | Ø12 | 2 | 441 | 20 | 461 | 922 |
| VIGA 17 | 1 | Ø12 | 2 | 840 | 20 | 860 | 1720 |
| VIGA 18 | 262 | Ø12 | 2 | 484 | 20 | 504 | 1008 |
| VIGA 19 | 15 | Ø12 | 2 | 1130 | 20 | 1150 | 2300 |
| VIGA 20 | 1 | Ø12 | 2 | 293 | 20 | 313 | 626 |
| VIGA 21 | 6 | Ø12 | 2 | 246 | 20 | 266 | 532 |
| VIGA 22 | 9 | Ø12 | 2 | 1125 | 20 | 1145 | 2290 |
| VIGA 23 | 174 | Ø12 | 2 | 1139 | 20 | 1159 | 2338 |
| VIGA 24 | 19 | Ø12 | 2 | 860 | 20 | 880 | 1760 |
| VIGA 15+VIGA 24 | 192 | Ø12 | 2 | 76 | 20 | 96 | 192 |

| Elemento | Pos. | Diám. | No. | Recla (cm) | Pat (cm) | Long (cm) | Total AH-500CN (kg) |
|--------------------------------|------|-------|-----|------------|----------|-----------|---------------------|
| Armadura longitudinal inferior | 26 | Ø8 | 15 | 10 | 285 | 295 | 4425 |
| 27 | Ø8 | 45 | 10 | 1140 | 10 | 1160 | 5200 |
| 28 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 29 | Ø8 | 12 | 10 | 1130 | 10 | 1150 | 5180 |
| 30 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 31 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 32 | Ø8 | 15 | 10 | 1140 | 10 | 1160 | 5200 |
| 33 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 34 | Ø8 | 5 | 10 | 1140 | 10 | 1160 | 5200 |
| 35 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 36 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 37 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 38 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 39 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 40 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 41 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 42 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 43 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 44 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 45 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 46 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 47 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 48 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 49 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 50 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 51 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 52 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 53 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 54 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 55 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 56 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 57 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 58 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 59 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 60 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 61 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 62 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 63 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 64 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 65 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 66 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 67 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 68 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 69 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 70 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 71 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 72 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 73 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 74 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 75 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 76 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 77 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 78 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 79 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 80 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 81 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 82 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 83 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 84 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 85 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 86 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 87 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 88 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 89 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 90 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 91 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 92 | Ø8 | 10 | 10 | 1140 | 10 | 1160 | 5200 |
| 93 | Ø12 | 2 | 20 | 1140 | 20 | 1160 | 2390 |
| 94 | Ø12 | 2 | 20 | 250 | 20 | 270 | 540 |
| 95 | Ø12 | 2 | 20 | 200 | 20 | 220 | 440 |
| 96 | Ø12 | 2 | 20 | 1140 | 20 | 1160 | 2390 |
| 97 | Ø12 | 2 | 20 | 200 | 20 | 220 | 440 |
| 98 | Ø12 | 2 | 20 | 180 | 20 | 200 | 400 |
| 99 | Ø12 | 2 | 20 | 180 | 20 | 200 | 400 |
| 100 | Ø12 | 2 | 20 | 180 | 20 | 200 | 400 |
| 101 | Ø12 | 2 | 20 | 180 | 20 | 200 | 400 |
| 102 | Ø12 | 2 | 20 | 116 | 20 | 136 | 272 |
| Total | | | | | | | 2853.3 |

UNIVERSIDAD AUTÓNOMA "JUAN MASEL SARACHO"
 FACULTAD DE CIENCIAS Y TECNOLOGÍA
 CARRERA DE INGENIERÍA CIVIL

CONTENIDO:
 PLANO DE LOSA MACIZA, VIGAS CUBIERTA

UNIVERSIDAD ALVARADO CHOQUE RIVON DEYVIS

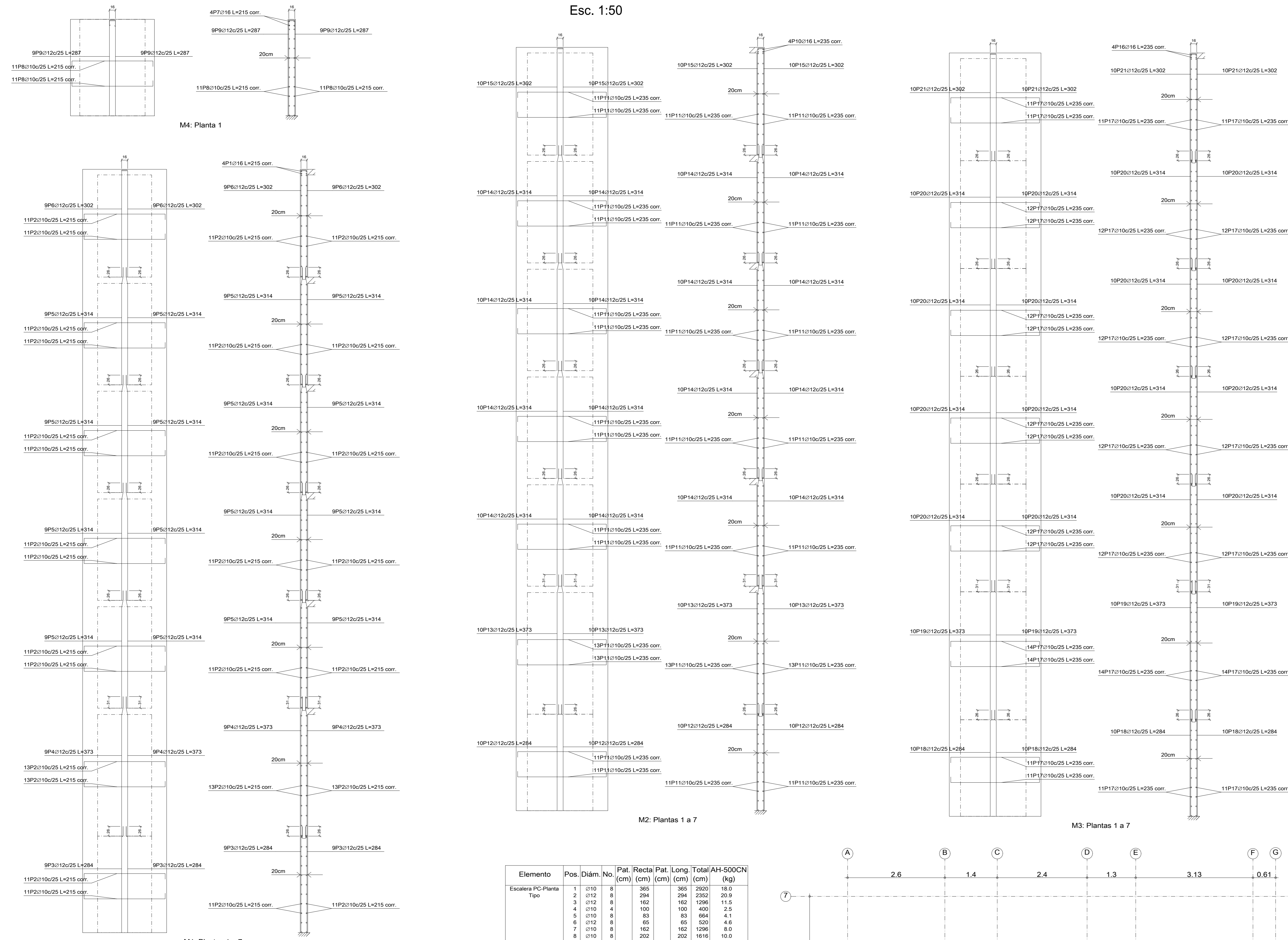
ESCALA: INDICADA

LAMINA: 5/6

FECHA: Junio 2024

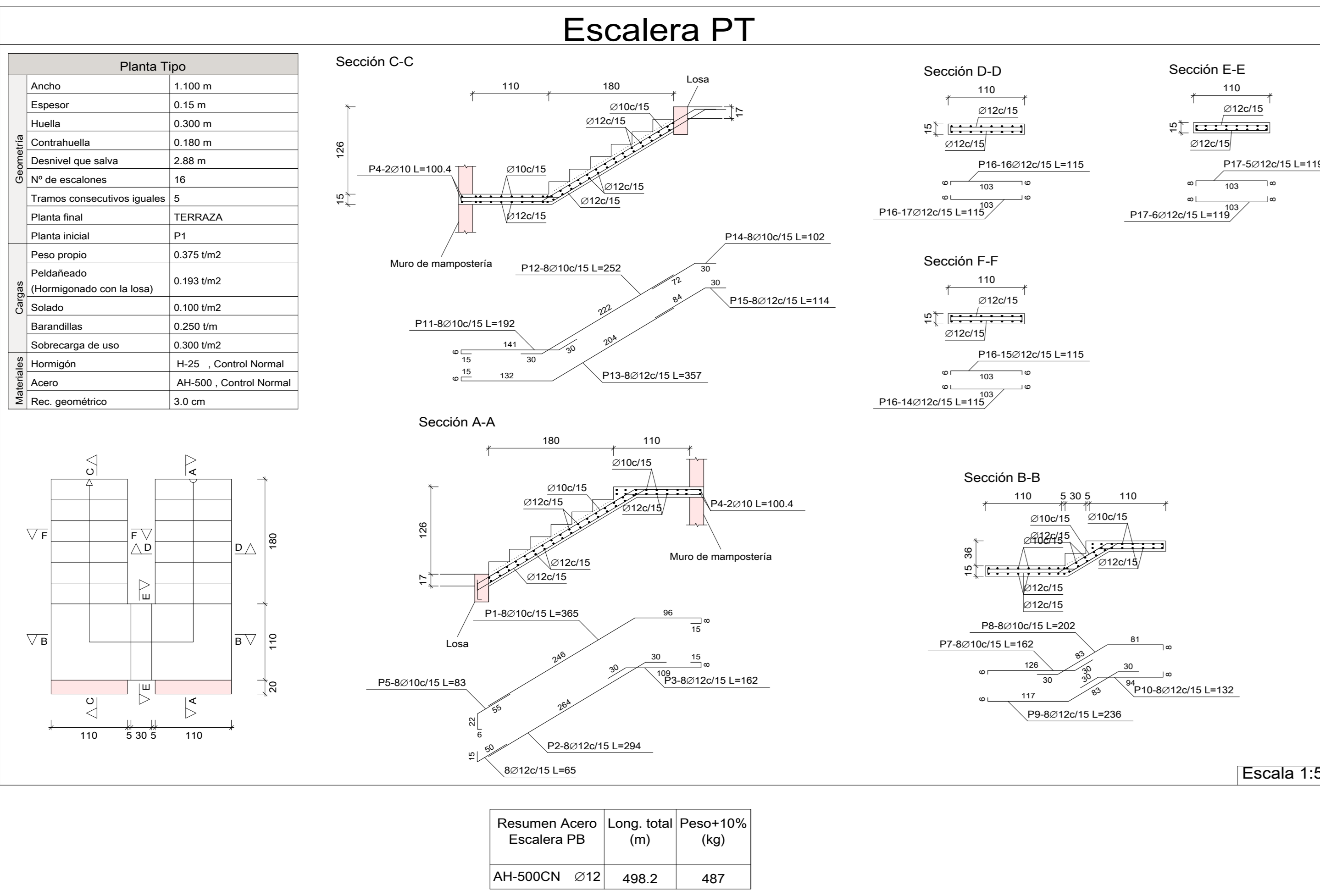
SUPERFICIE CONST. VoBo

DESPIECE DE MUROS DE CORTE
Esc. 1:50

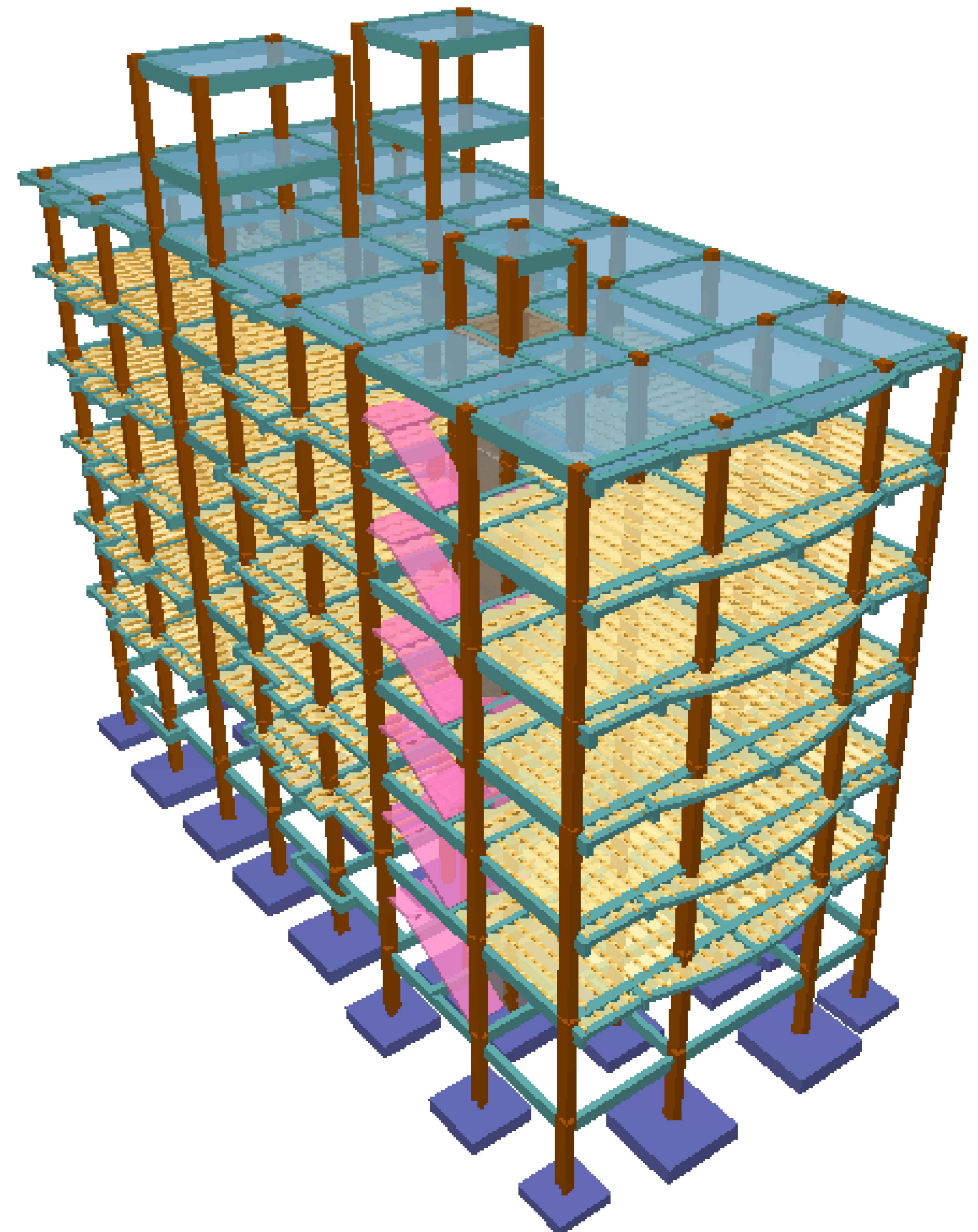


| Elemento | Pos. | Diám. | No. | Pat. | Recta | Fat. | Long. | Total | AH-500CN |
|--------------------|-------|-------|-----|------|-------|------|-------|-------|--------------|
| Escalera PC-Planta | Tipos | | | | (cm) | (cm) | (cm) | (cm) | (kg) |
| 1 | 010 | 8 | 365 | | 365 | 2200 | 18.0 | | |
| 2 | 012 | 8 | 294 | | 294 | 2302 | 20.9 | | |
| 3 | 012 | 8 | 162 | | 162 | 1296 | 11.5 | | |
| 4 | 010 | 8 | 100 | | 100 | 400 | 2.5 | | |
| 5 | 010 | 8 | 83 | | 83 | 664 | 4.1 | | |
| 6 | 012 | 8 | 65 | | 65 | 520 | 4.6 | | |
| 7 | 010 | 8 | 162 | | 162 | 1296 | 8.0 | | |
| 8 | 010 | 8 | 202 | | 202 | 1616 | 10.0 | | |
| 9 | 012 | 8 | 236 | | 236 | 1888 | 16.8 | | |
| 10 | 012 | 8 | 132 | | 132 | 1056 | 9.4 | | |
| 11 | 010 | 8 | 192 | | 192 | 1536 | 9.5 | | |
| 12 | 010 | 8 | 252 | | 252 | 2016 | 12.4 | | |
| 13 | 012 | 8 | 307 | | 307 | 2456 | 20.4 | | |
| 14 | 010 | 8 | 102 | | 102 | 816 | 5.0 | | |
| 15 | 012 | 8 | 114 | | 114 | 912 | 8.1 | | |
| 16 | 012 | 62 | 115 | | 115 | 7130 | 63.3 | | |
| 17 | 012 | 11 | 119 | | 119 | 1308 | 11.6 | | |
| Total=1976 | | | | | | | | | 366.2 |
| | | | | | | | | | (c/s) 1326.0 |

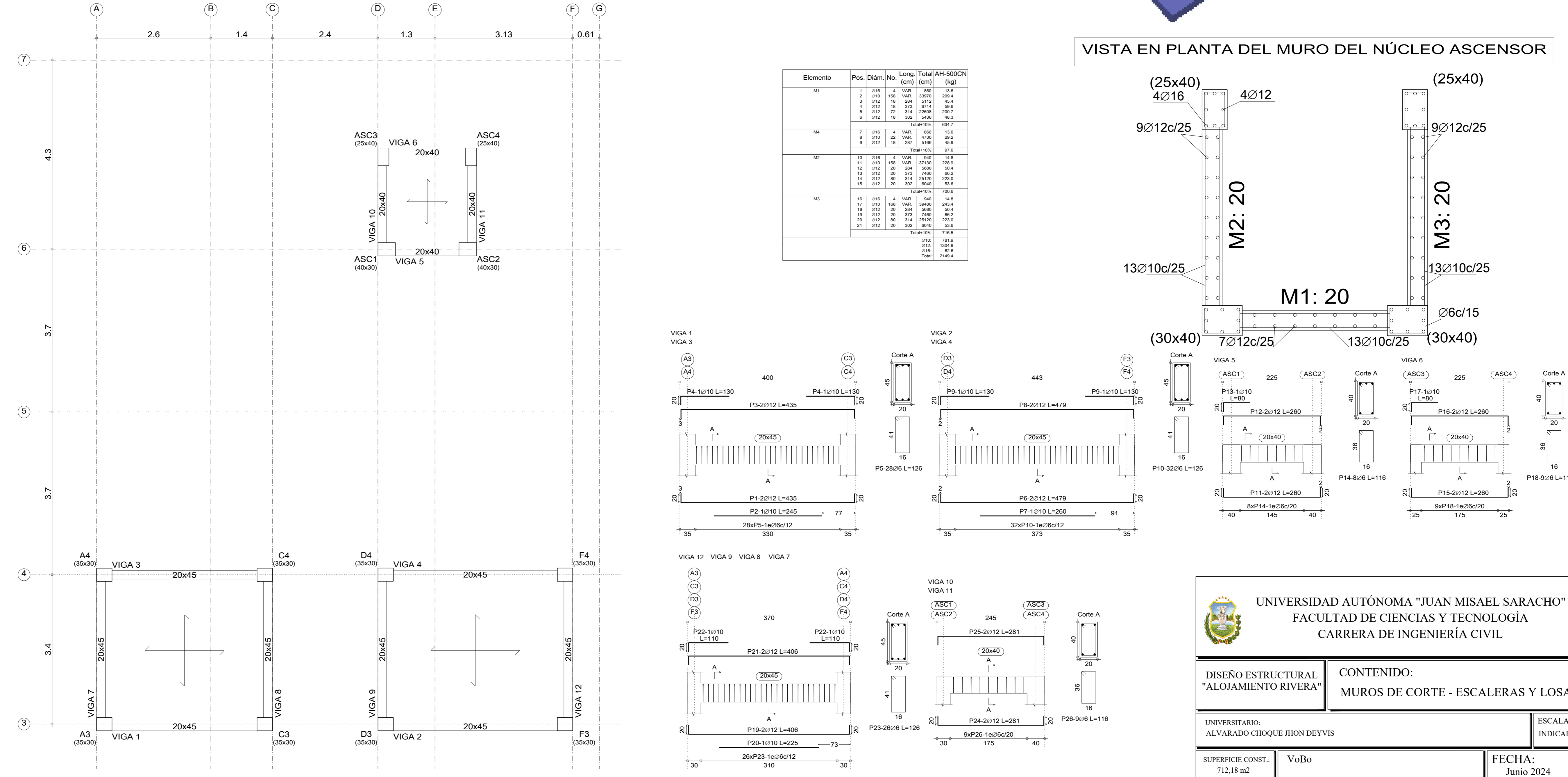
ESCALERA PLANTA TIPO
Esc. 1:50



MODELO ESTRUCTURAL DEL ALOJAMIENTO RIVERA



VISTA EN PLANTA DEL MURO DEL NÚCLEO ASCENSOR



UNIVERSIDAD AUTÓNOMA "JUAN MISAEL SARACHO"
FACULTAD DE CIENCIAS Y TECNOLOGÍA
CARRERA DE INGENIERÍA CIVIL

DISEÑO ESTRUCTURAL "ALOJAMIENTO RIVERA" | CONTENIDO: MUROS DE CORTE - ESCALERAS Y LOSA DE FONDO

UNIVERSITARIO: ALVARADO CHOQUE JHON DIIVIS | ESCALA: INDICADA | LÁMINA: 6/6

SUPERFICIE CONST.: 712,18 m² | VoBo | FECHA: Junio 2024