

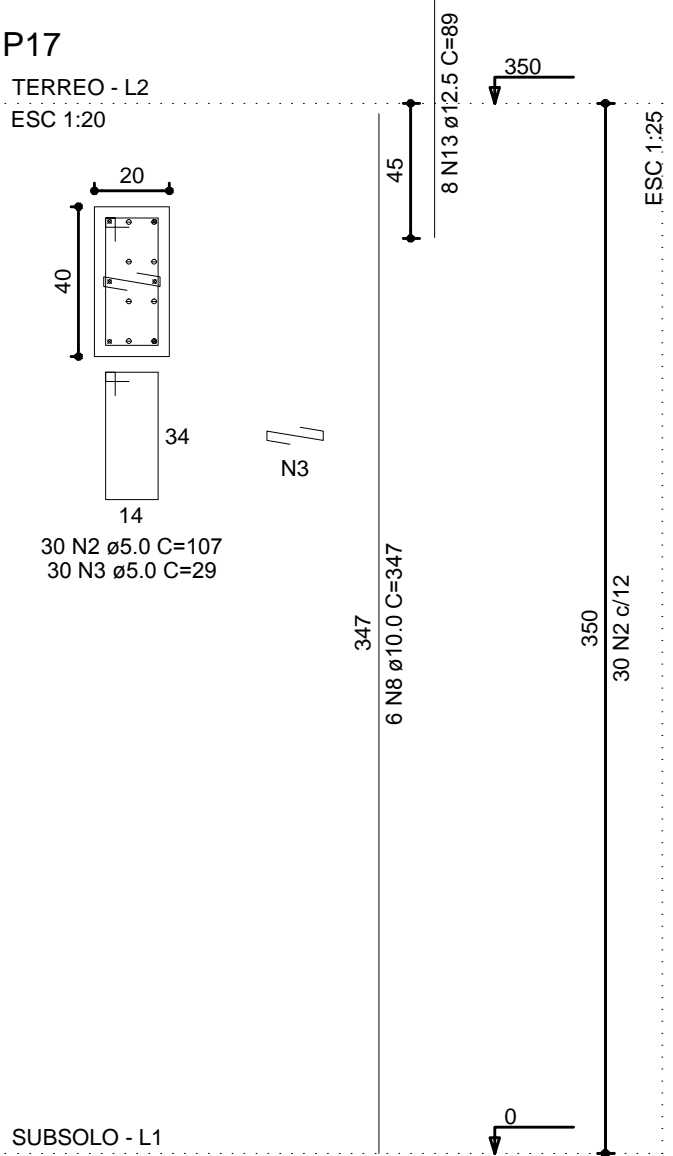
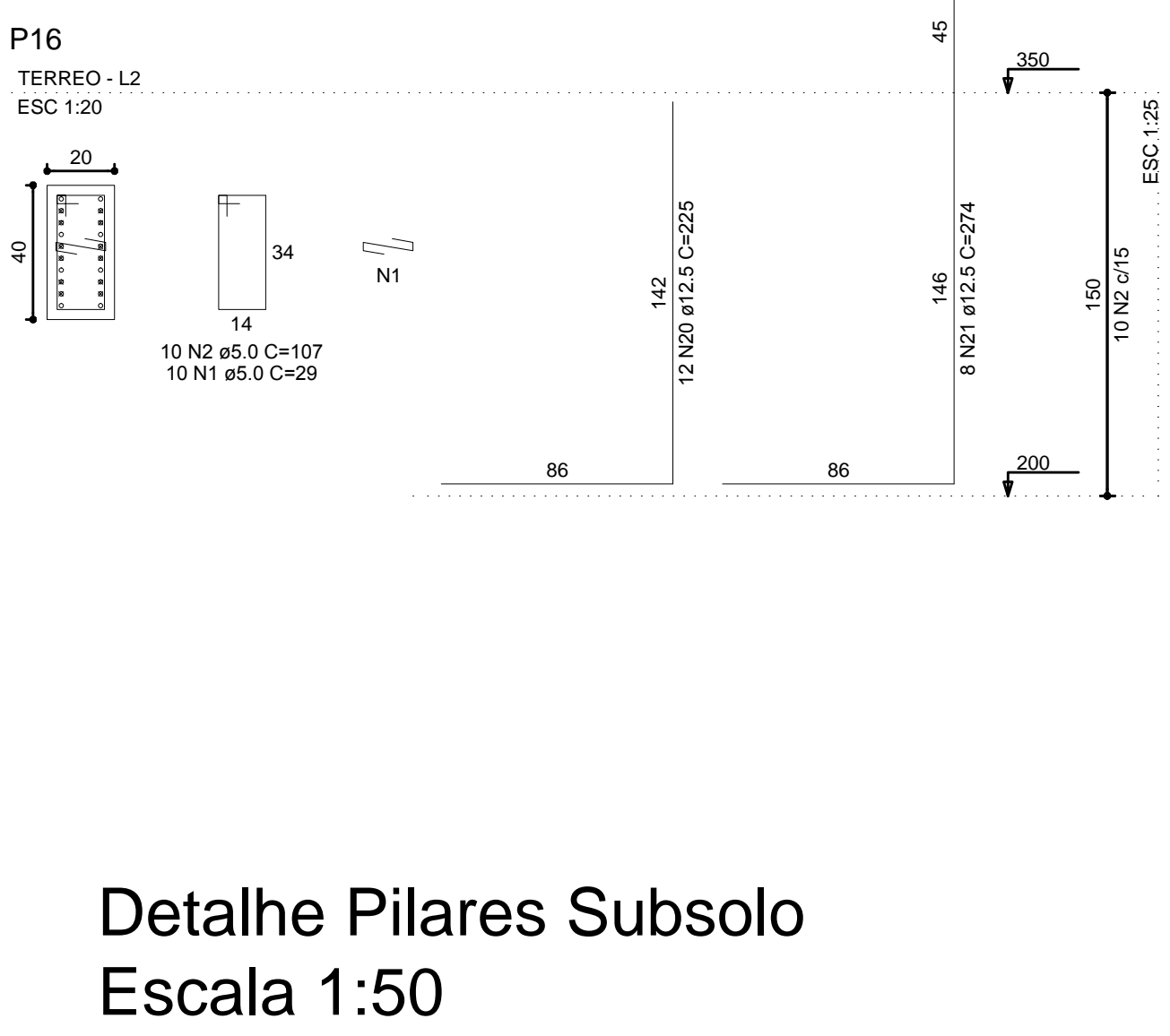
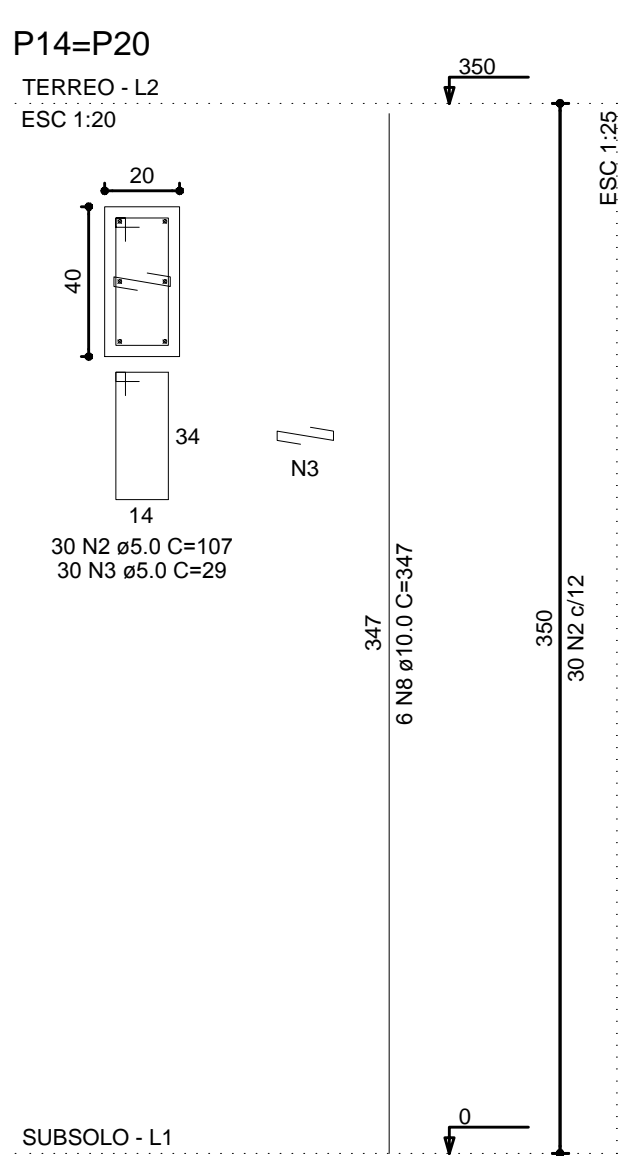
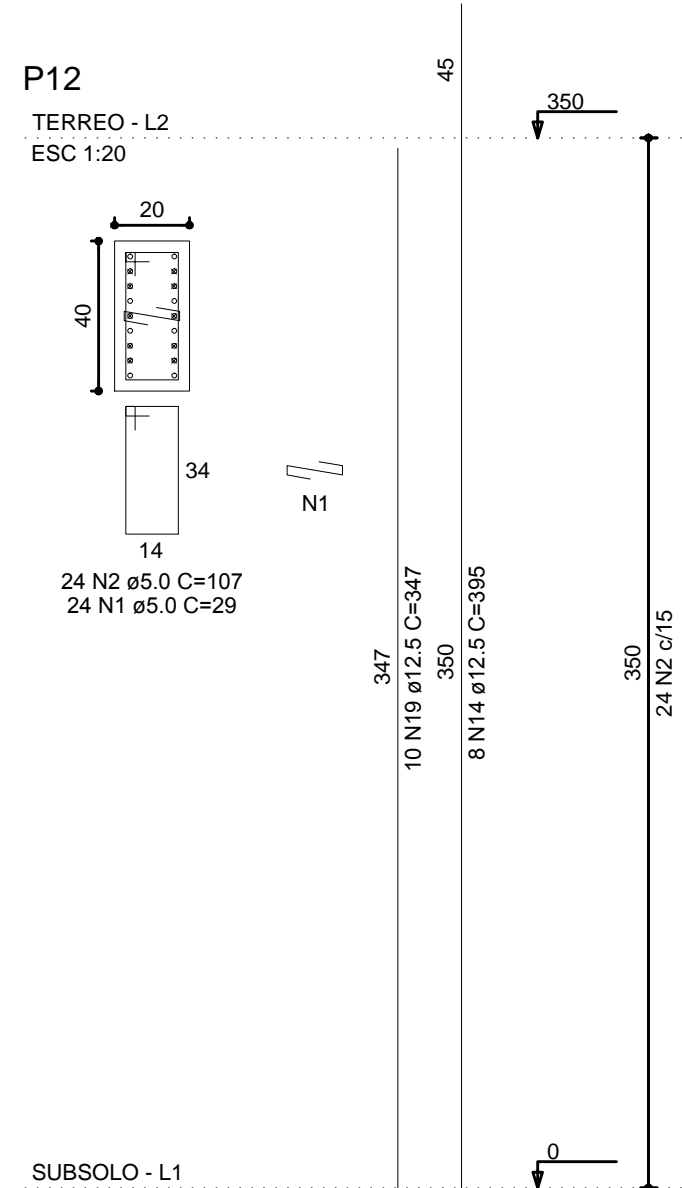
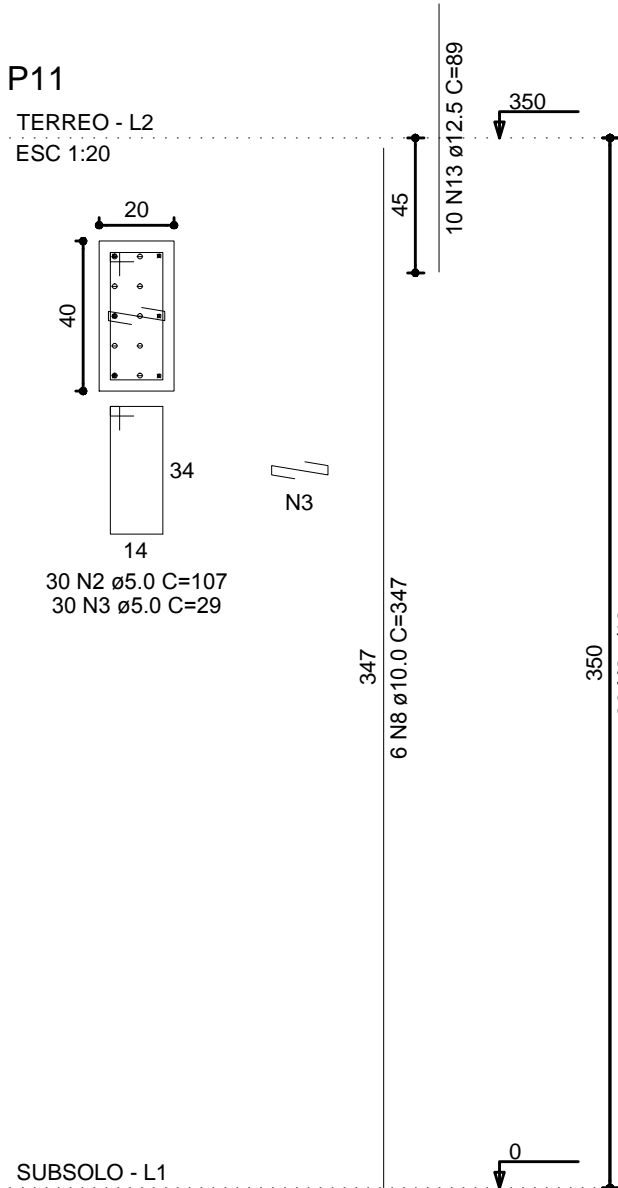
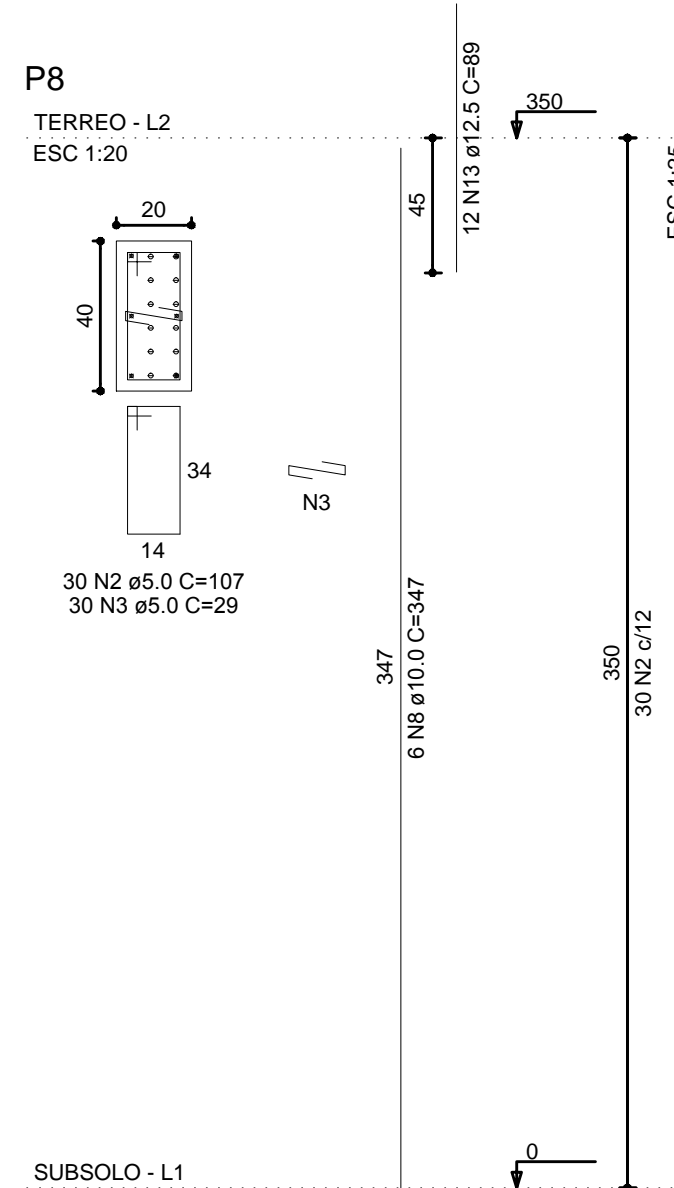
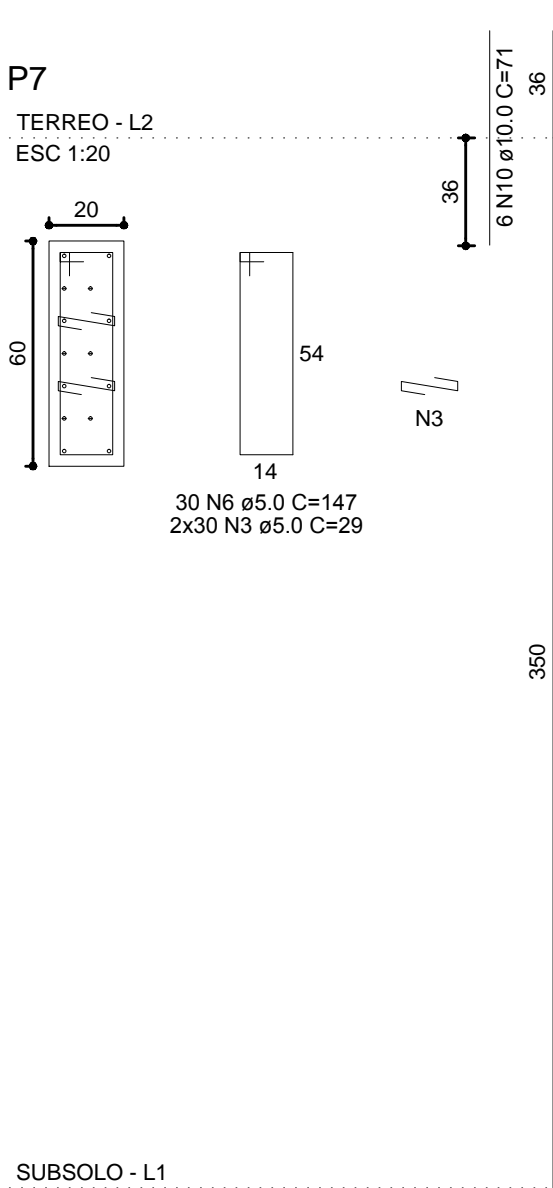
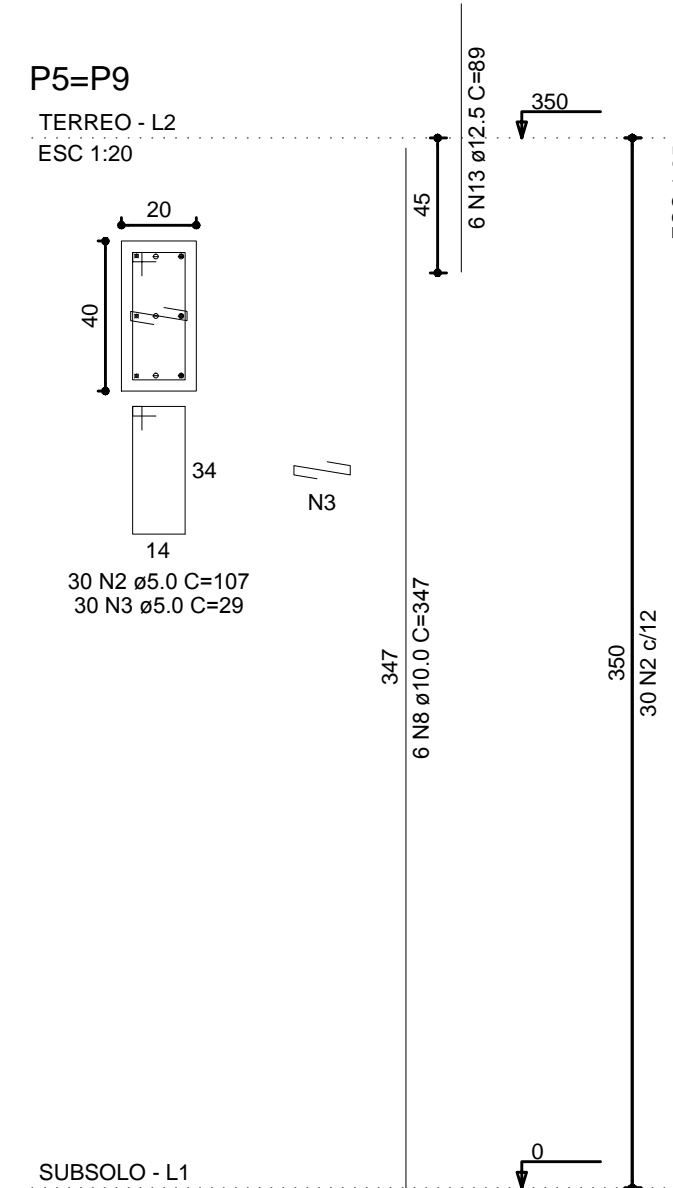
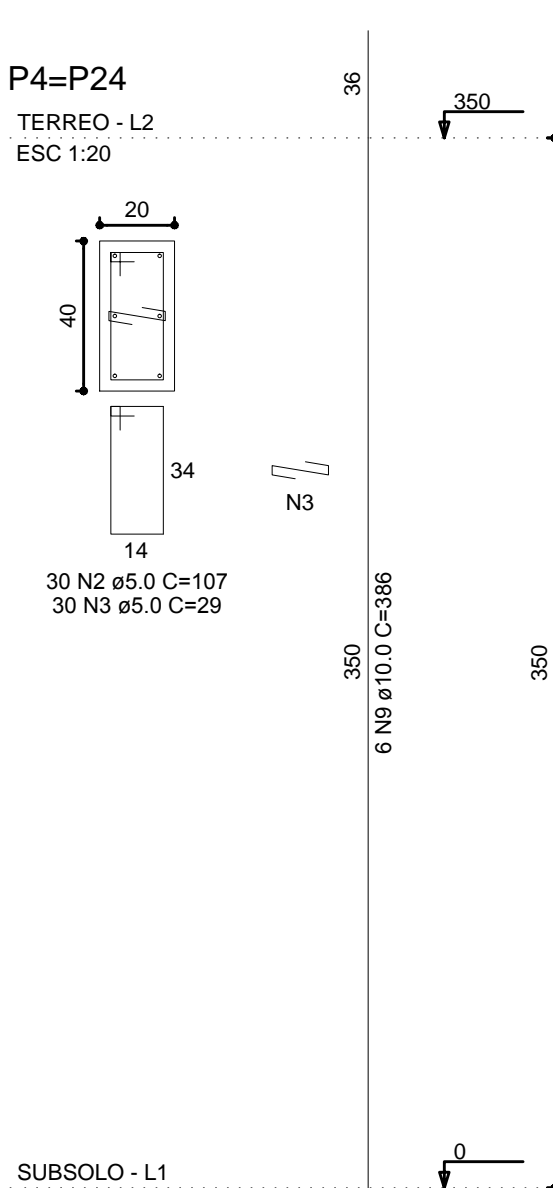
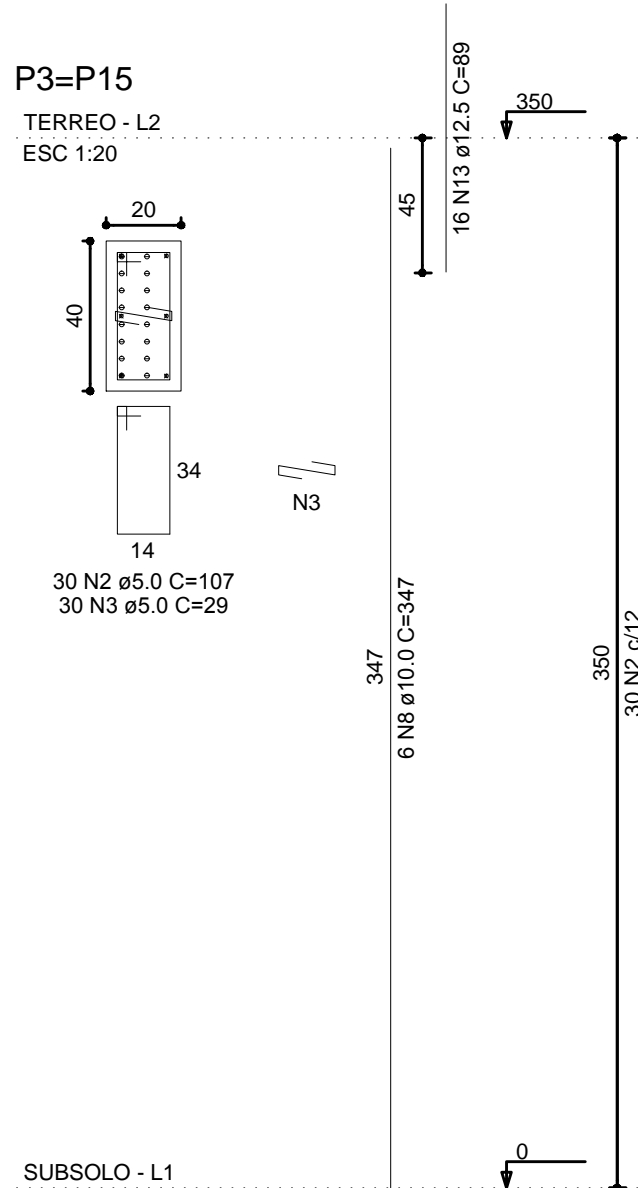
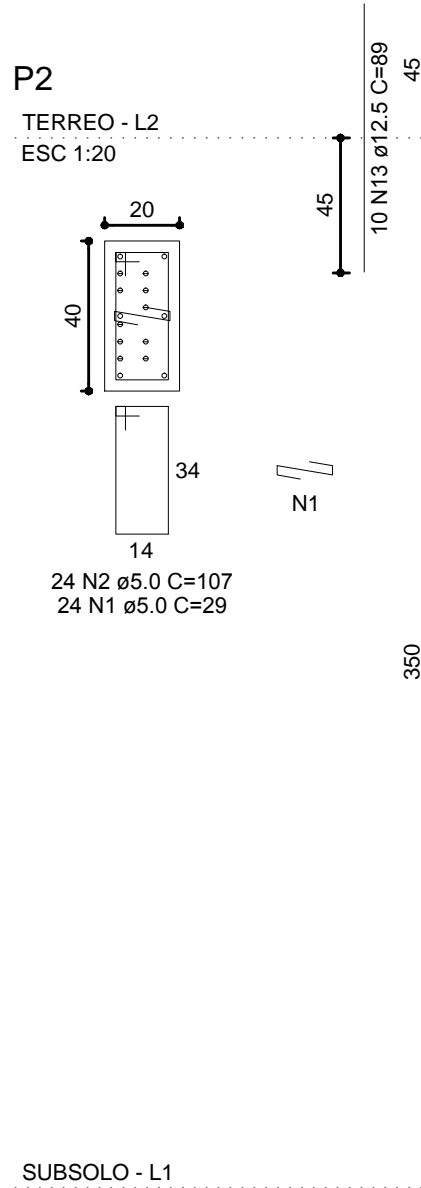
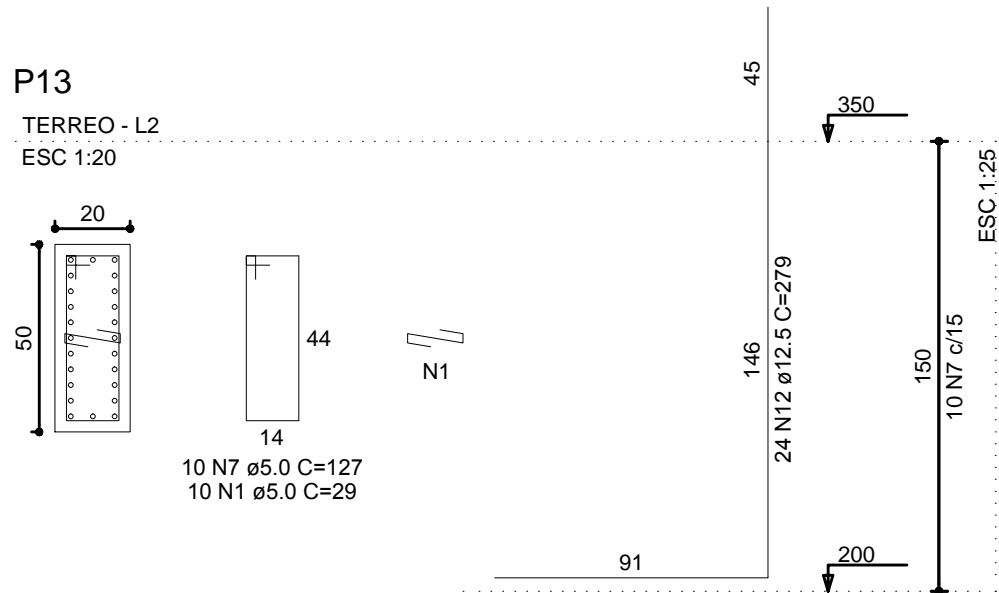
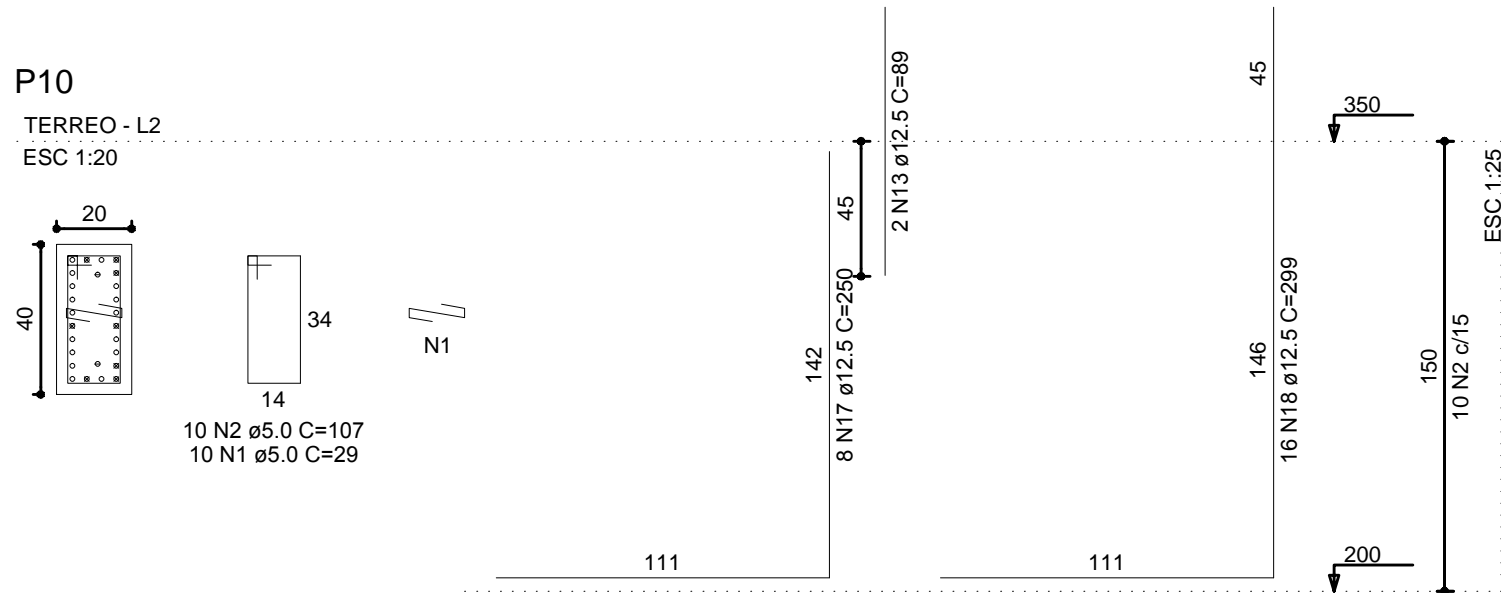
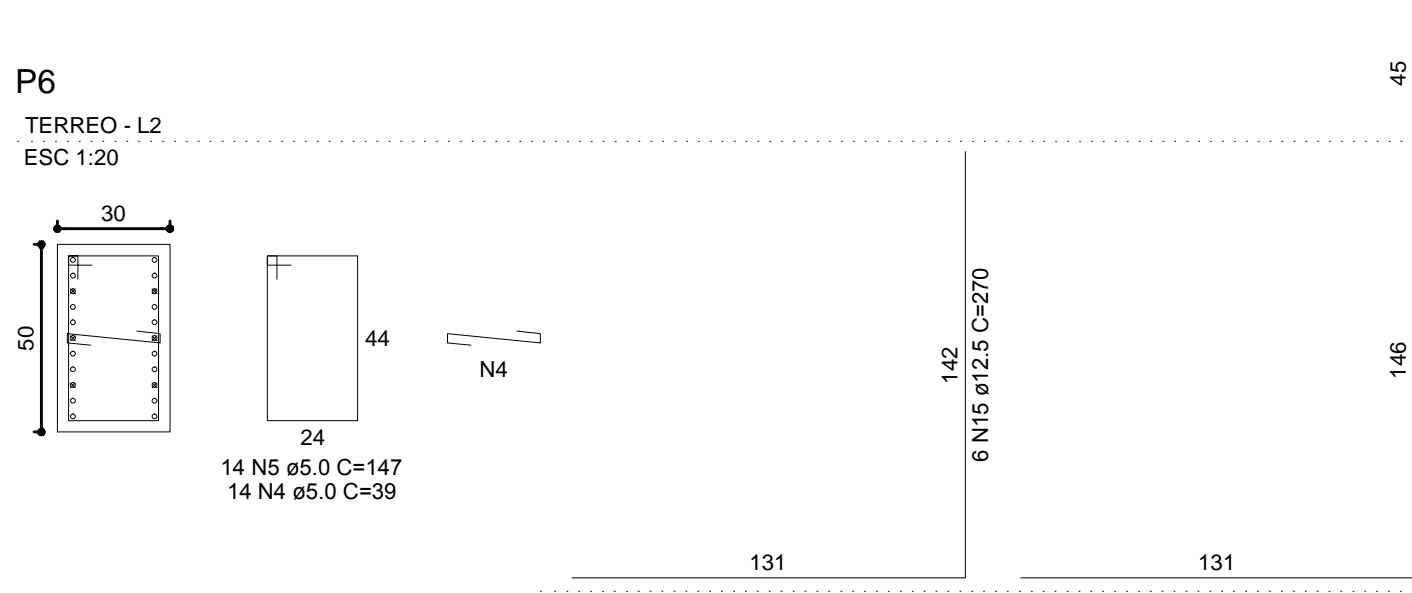
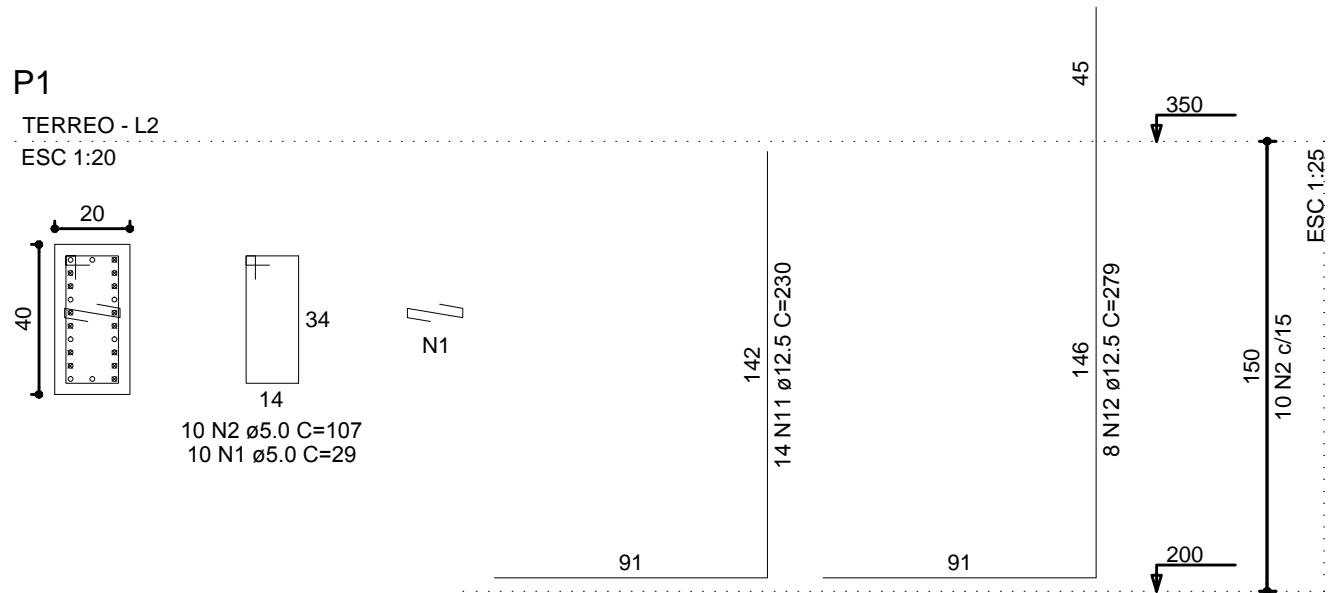
RELAÇÃO DO AÇO

| AÇO  | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|-------|-------------|--------------|
| CA60 | 1 | 5.0       | 90    | 23          | 2070         |
|      | 2 | 5.0       | 110   | 107         | 11770        |
|      | 3 | 5.0       | 30    | 29          | 870          |
| CA50 | 4 | 10.0      | 21    | 71          | 1491         |
|      | 5 | 10.0      | 18    | 386         | 6948         |
|      | 6 | 12.5      | 18    | 264         | 4752         |
|      | 7 | 12.5      | 3     | 210         | 630          |
|      | 8 | 12.5      | 5     | 259         | 1295         |

RESUMO DO AÇO

| AÇO             | DIAM (mm) | C.TOTAL (m) | PESO (kg) |
|-----------------|-----------|-------------|-----------|
| CA50            | 10.0      | 84.4        | 41.48     |
| CA60            | 5.0       | 152.5       | 63.72     |
| PESO TOTAL (kg) |           |             | 23.31     |
| CA50            |           | 105.20      |           |
| CA60            |           | 23.31       |           |

Volume de concreto (C-30) = 1.08 m³  
Área de forma = 16.20 m²



RELAÇÃO DO AÇO

| AÇO  | N  | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|-------|-------------|--------------|
| CA60 | 1  | 5.0       | 88    | 29          | 2552         |
|      | 2  | 5.0       | 408   | 107         | 43656        |
|      | 3  | 5.0       | 390   | 29          | 11310        |
|      | 4  | 5.0       | 14    | 39          | 546          |
|      | 5  | 5.0       | 14    | 147         | 2058         |
| CA50 | 6  | 5.0       | 30    | 147         | 4410         |
|      | 7  | 5.0       | 10    | 127         | 1270         |
|      | 8  | 10.0      | 54    | 347         | 18738        |
|      | 9  | 10.0      | 20    | 386         | 7720         |
|      | 10 | 10.0      | 6     | 71          | 426          |
|      | 11 | 12.5      | 14    | 230         | 3220         |
|      | 12 | 12.5      | 32    | 279         | 8928         |
|      | 13 | 12.5      | 86    | 89          | 7654         |
|      | 14 | 12.5      | 14    | 395         | 5530         |
|      | 15 | 12.5      | 6     | 270         | 1620         |
|      | 16 | 12.5      | 16    | 319         | 5104         |
| CA50 | 17 | 12.5      | 8     | 250         | 2000         |
|      | 18 | 12.5      | 18    | 299         | 4784         |
|      | 19 | 12.5      | 10    | 347         | 3470         |
|      | 20 | 12.5      | 12    | 225         | 2700         |
|      | 21 | 12.5      | 8     | 274         | 2192         |

RESUMO DO AÇO

| AÇO             | DIAM (mm) | C.TOTAL (m) | PESO (kg) |
|-----------------|-----------|-------------|-----------|
| CA50            | 10.0      | 268.8       | 164.07    |
| CA60            | 5.0       | 472         | 450.18    |
| PESO TOTAL (kg) |           | 658         | 100.44    |
| CA50            |           | 614.25      |           |
| CA60            |           | 100.44      |           |

Volume de concreto (C-30) = 4.80 m³  
Área de forma = 70.10 m²

Detalhe Pilares Subsolo  
Escala 1:50

## PREFEITURA MUNICIPAL

Administração 2021 / 2024

|                          |  |                                     |   |
|--------------------------|--|-------------------------------------|---|
| ADMINISTRAÇÃO            |  | RESP. TÉCNICO                       | PROJECHA  |
|                          |  |                                     | 04/13   |
|                          |  | PROJETO                             | ESTRUTURAL  |
| OBRA                     |  | REFORMA E AMPLIAÇÃO CMEI NONA LUIZA | ÁREA<br>Área da edificação Existente: 755,65 m²<br>Área de Reforma: 244,61 m²<br>Área a Ampliar: 228,80 m²<br>Área Total: 984,45 m² |
| ESPECIFICAÇÕES           |  | DATA                                | SETEMBRO / 2021   |
| DETALHES PILARES SUBSOLO |  | LOTE                                | 5/6   |
|                          |  | QUADRA                              | 01  |
| TÍTULOS                  |  | ESCALA                              | INDICADA  |
| MUNICÍPIO                |  | ESTADO                              | PARANÁ  |
| DOIS VIZINHOS            |  | ARQUIVO                             |   |