

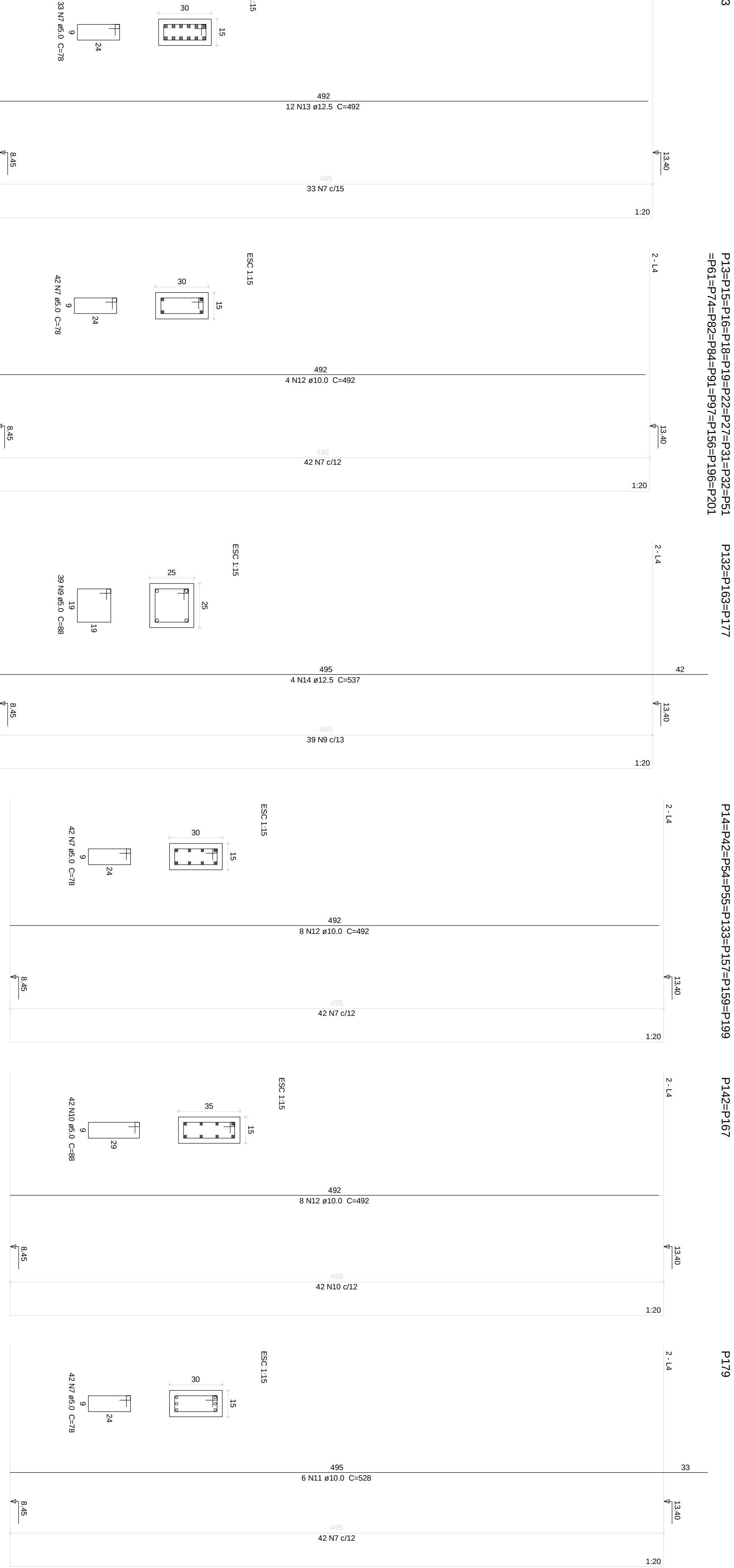
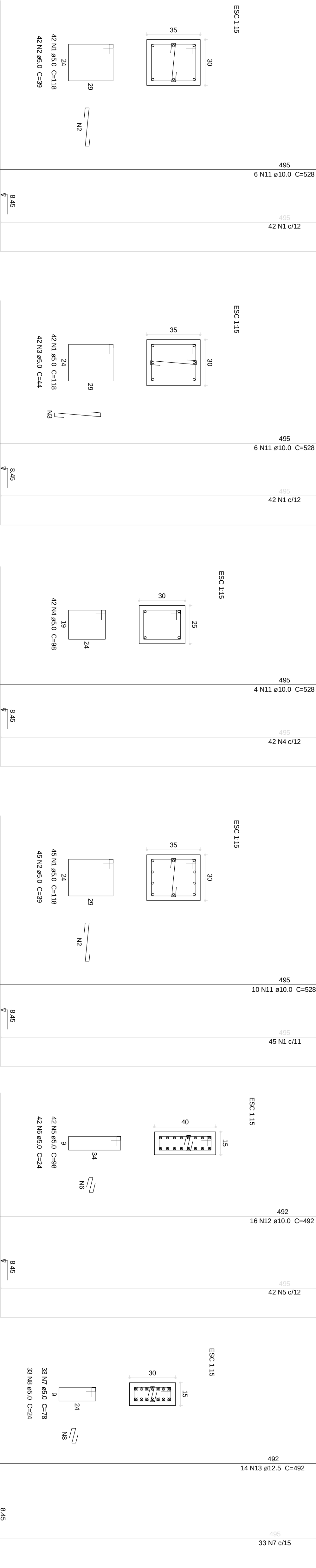
| P1=P20=P96=P208=P209=P210=P216=P217=P222 | P104 | P11=P23=P24=P56=P119=P205=P218 | P112 | P113 | P122=P158=P187 |
|------------------------------------------|------|--------------------------------|------|------|----------------|
|                                          |      |                                |      |      |                |

| Relação do aço |        |        |      |     |        |    |               |  |  |
|----------------|--------|--------|------|-----|--------|----|---------------|--|--|
| AÇO            | N      | DAM    | Q    | cm  |        |    | TOTAL<br>(cm) |  |  |
|                |        |        |      | UN  | UN     | UN |               |  |  |
| 9xP1           | 7xP1   | 7xP1   |      |     |        |    | 16xP13        |  |  |
| 8xP1           | 10xP1  | 10xP1  |      |     |        |    | P12           |  |  |
| P113           | 3xP122 | 3xP122 |      |     |        |    | P123          |  |  |
| 3xP152         | 2xP152 | 2xP152 |      |     |        |    | P179          |  |  |
| Cx60           | 1      | 5,0    | 465  | 118 | 54870  |    |               |  |  |
|                | 2      | 5,0    | 423  | 39  | 16437  |    |               |  |  |
|                | 3      | 5,0    | 42   | 4   | 1648   |    |               |  |  |
|                | 4      | 5,0    | 294  | 96  | 23812  |    |               |  |  |
|                | 5      | 5,0    | 98   | 38  | 1648   |    |               |  |  |
|                | 6      | 5,0    | 42   | 24  | 1008   |    |               |  |  |
|                | 7      | 5,0    | 1368 | 78  | 106204 |    |               |  |  |
|                | 8      | 5,0    | 99   | 24  | 2376   |    |               |  |  |
|                | 9      | 5,0    | 117  | 88  | 10296  |    |               |  |  |
|                | 10     | 5,0    | 84   | 88  | 7392   |    |               |  |  |
|                | 11     | 10,0   | 104  | 568 | 56412  |    |               |  |  |
|                | 12     | 10,0   | 104  | 568 | 56412  |    |               |  |  |
|                | 13     | 12,5   | 54   | 497 | 25658  |    |               |  |  |
|                | 14     | 12,5   | 12   | 537 | 6444   |    |               |  |  |

## Resumo do aço

|            | DIAM   | C.TOTAL<br>(m) | PESO + 10 %<br>(kg) |
|------------|--------|----------------|---------------------|
| CAO        |        |                |                     |
| CA50       | 10.0   | 1395.4         | 946.3               |
|            | 12.5   | 330.2          | 349.8               |
| CA60       | 5.0    | 229.2          | 388.7               |
| PESO TOTAL |        |                |                     |
| CA50       | 1296.1 |                |                     |
| CA60       | 388.7  |                |                     |

Vol. de concreto total (C-30) = 17.19 m<sup>3</sup>  
Área de forma total = 281.66 m<sup>2</sup>

[illegible]