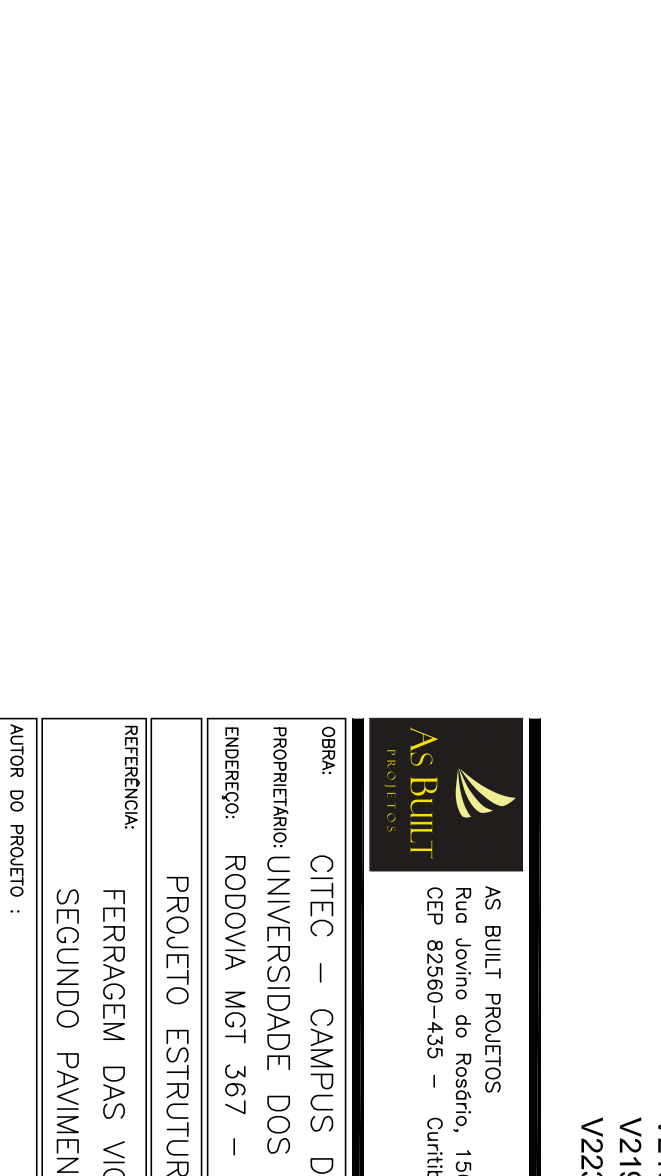
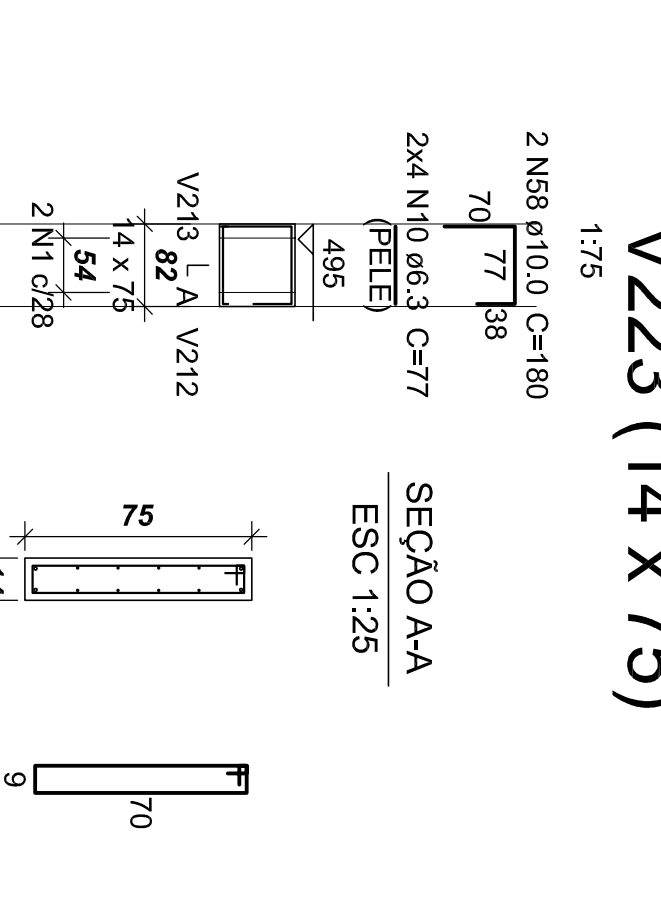
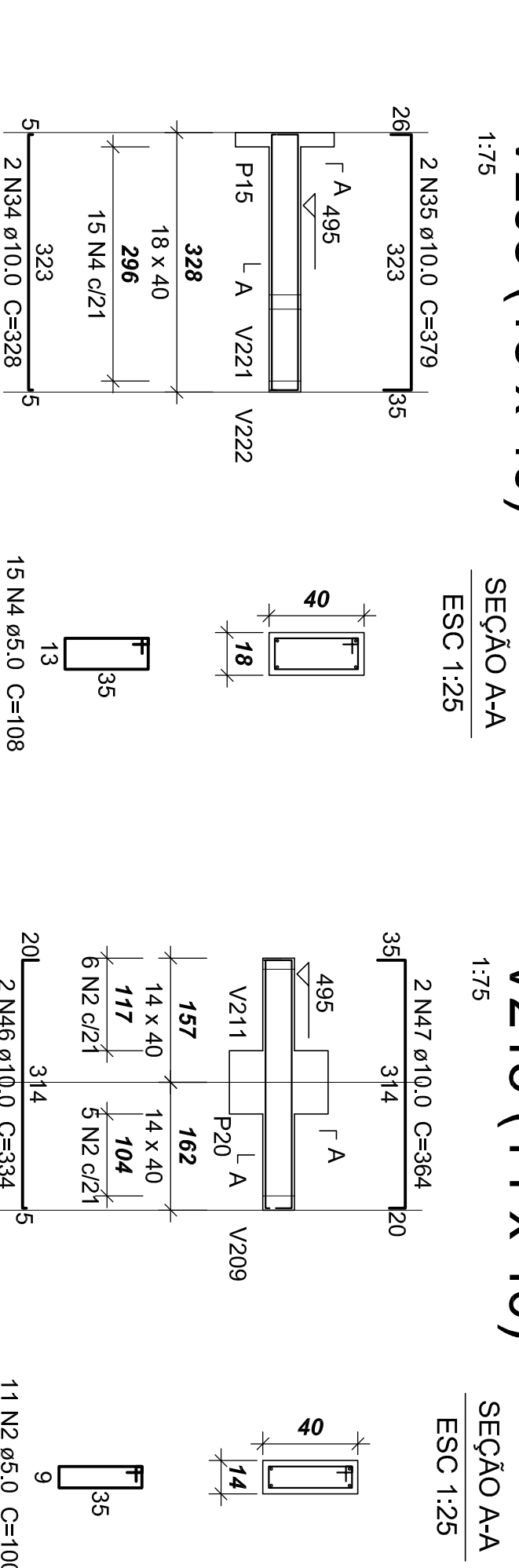
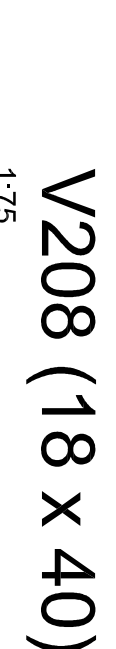
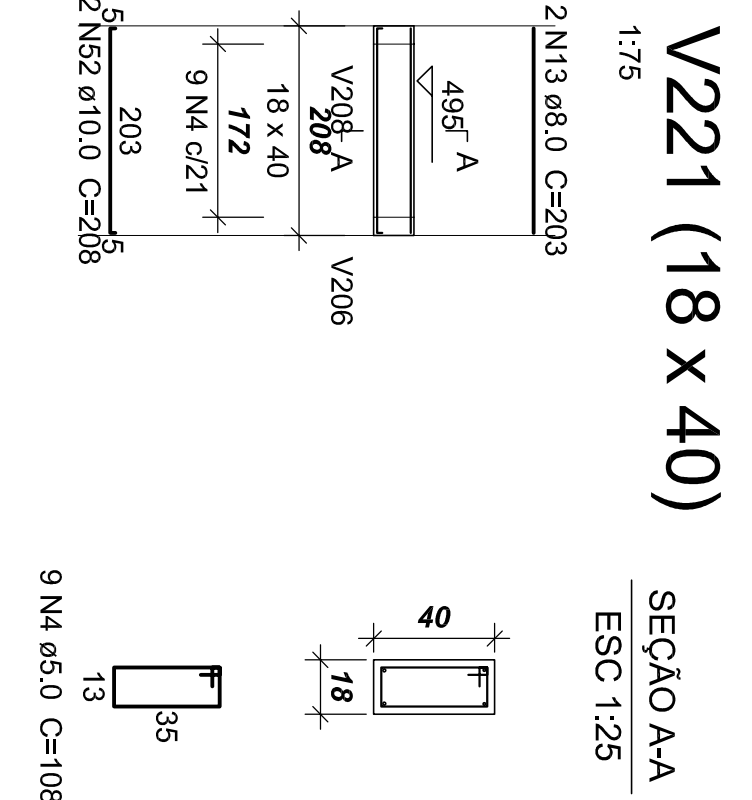
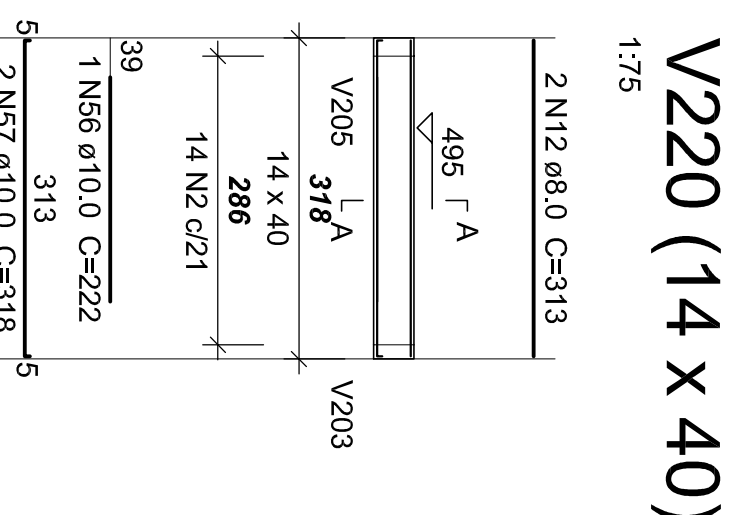
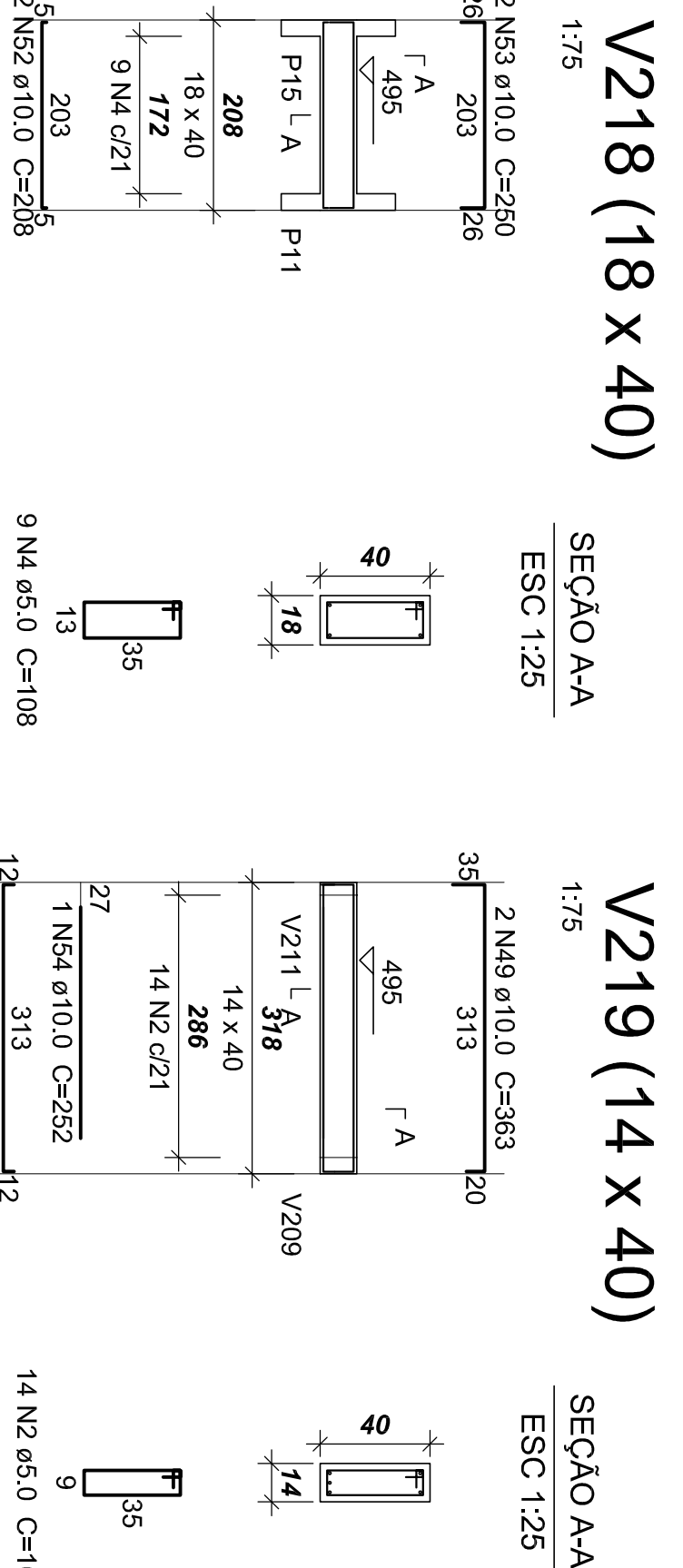
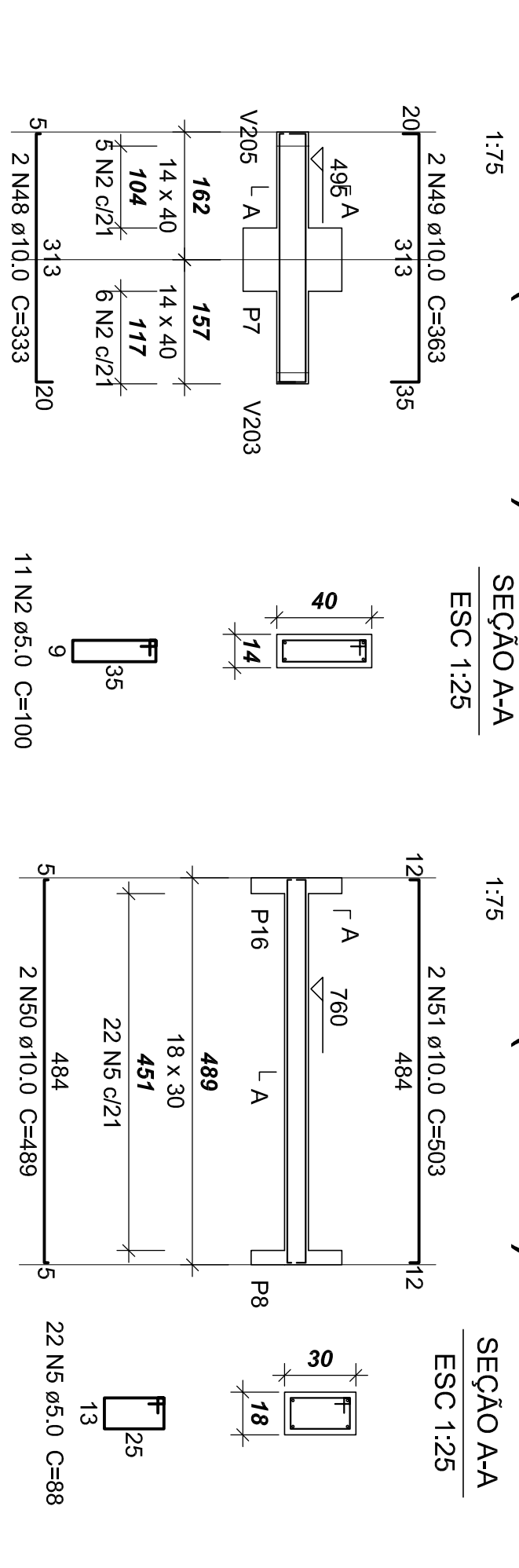
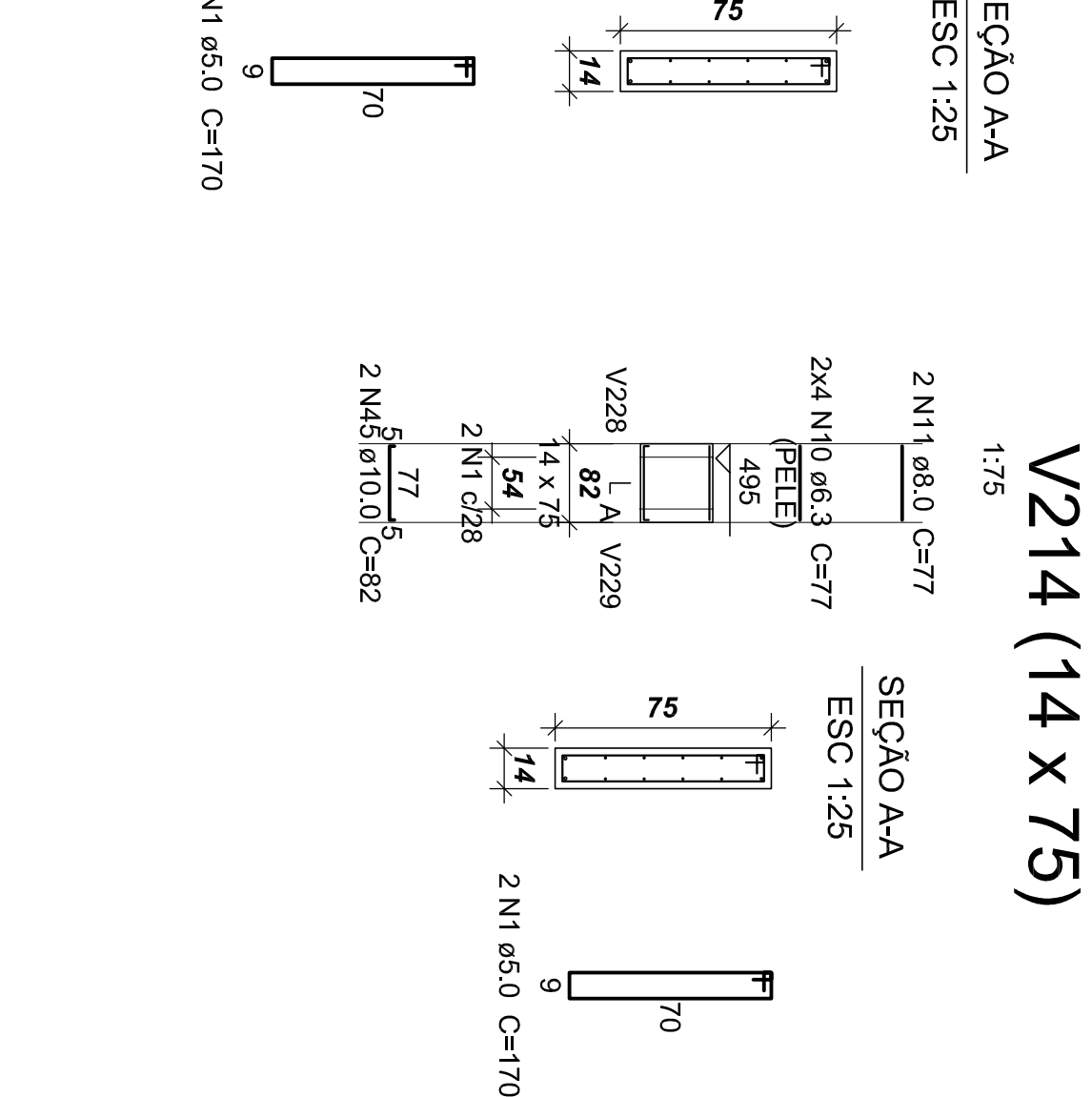
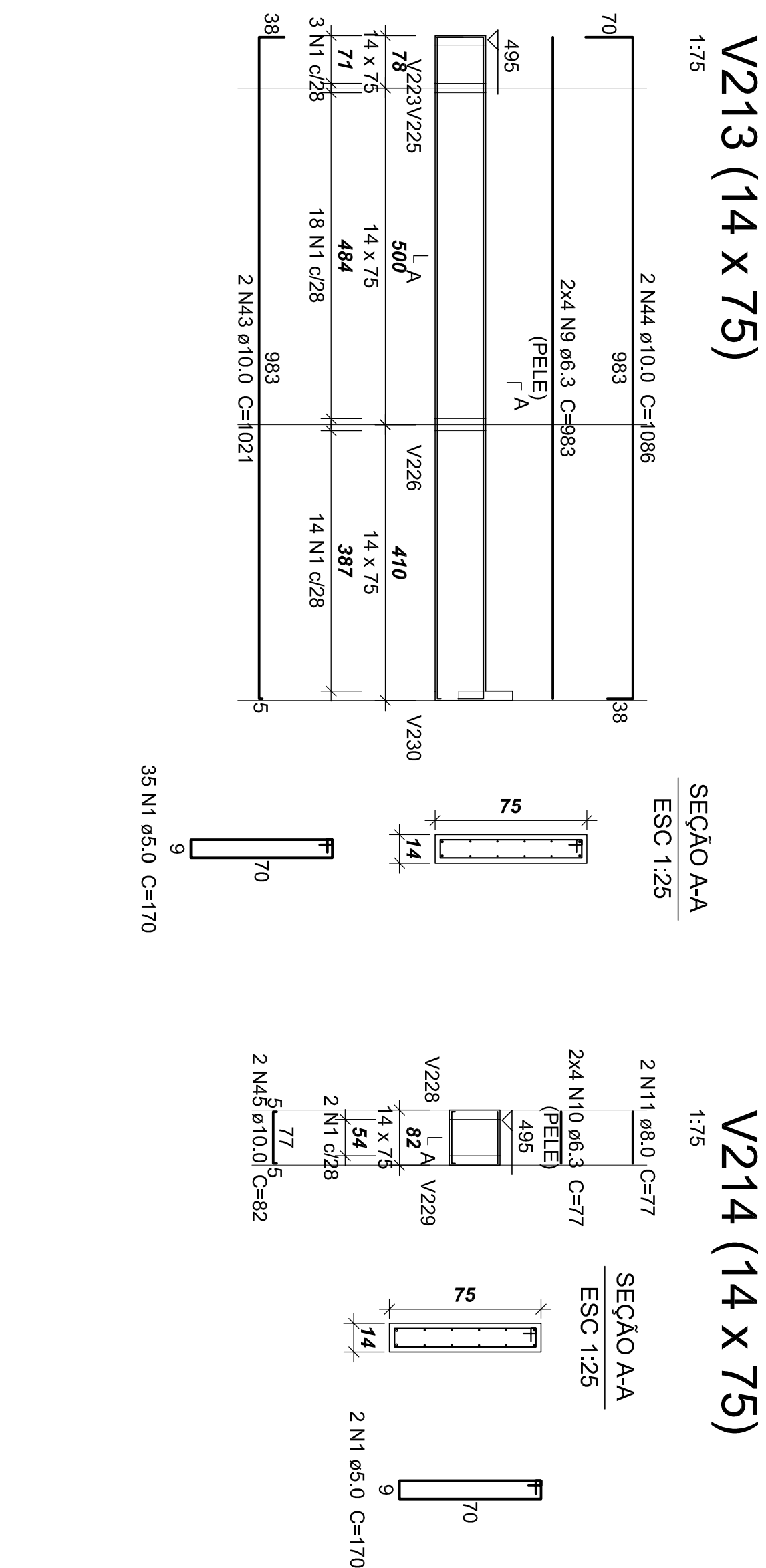
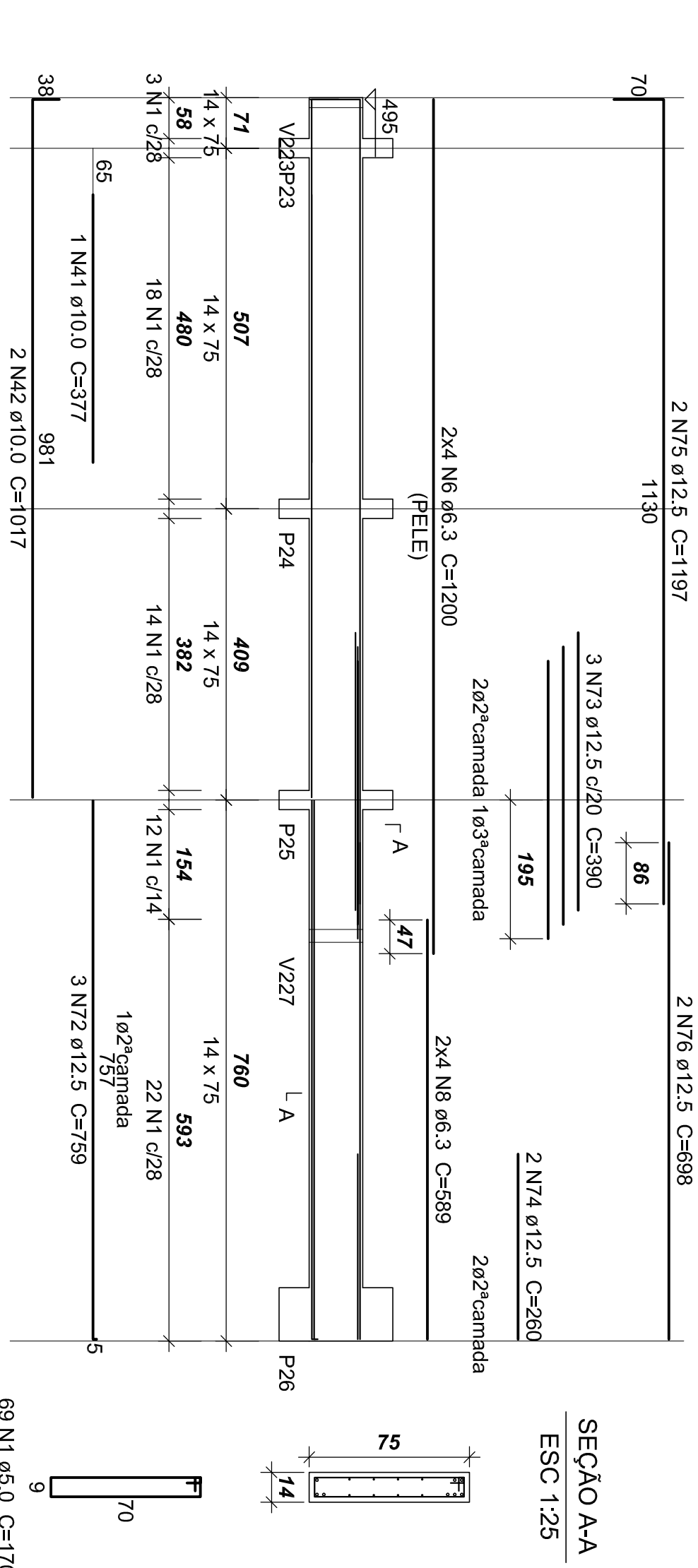
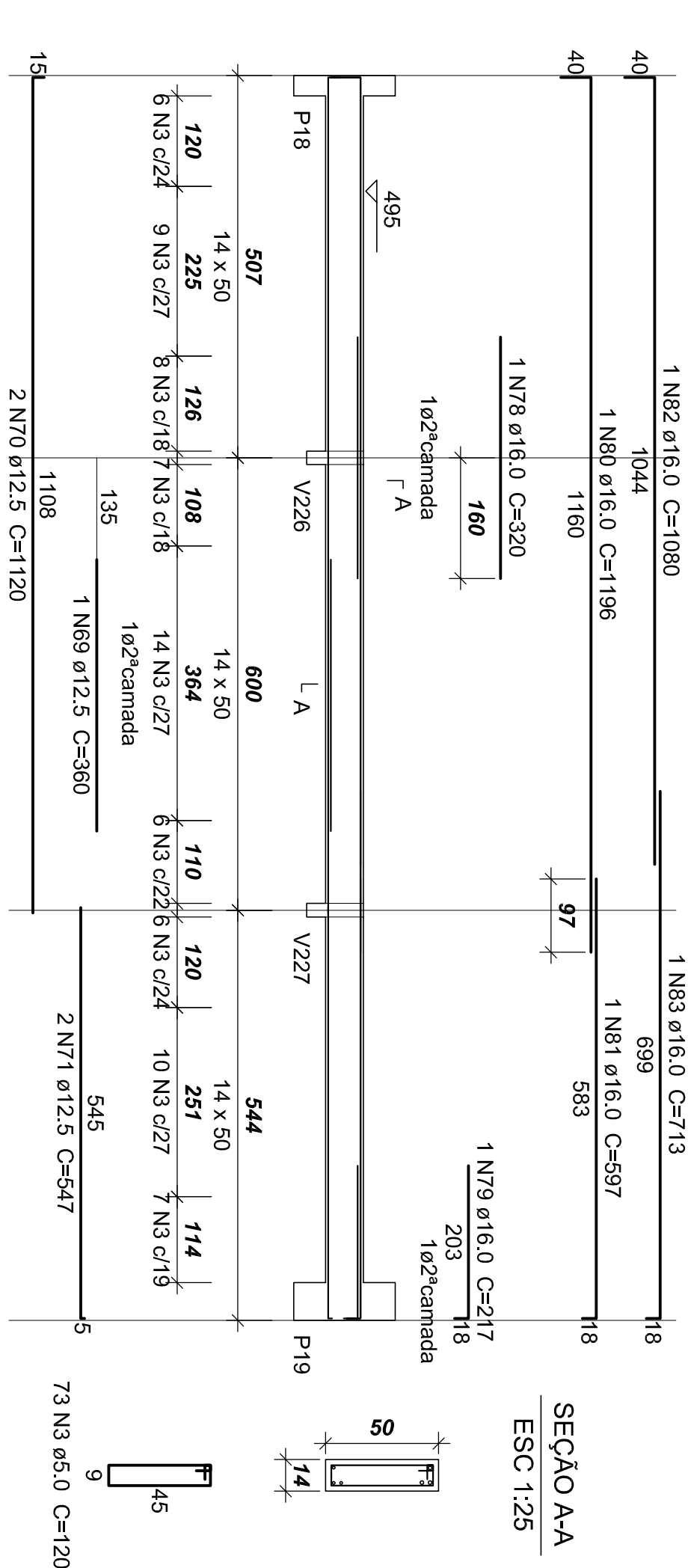
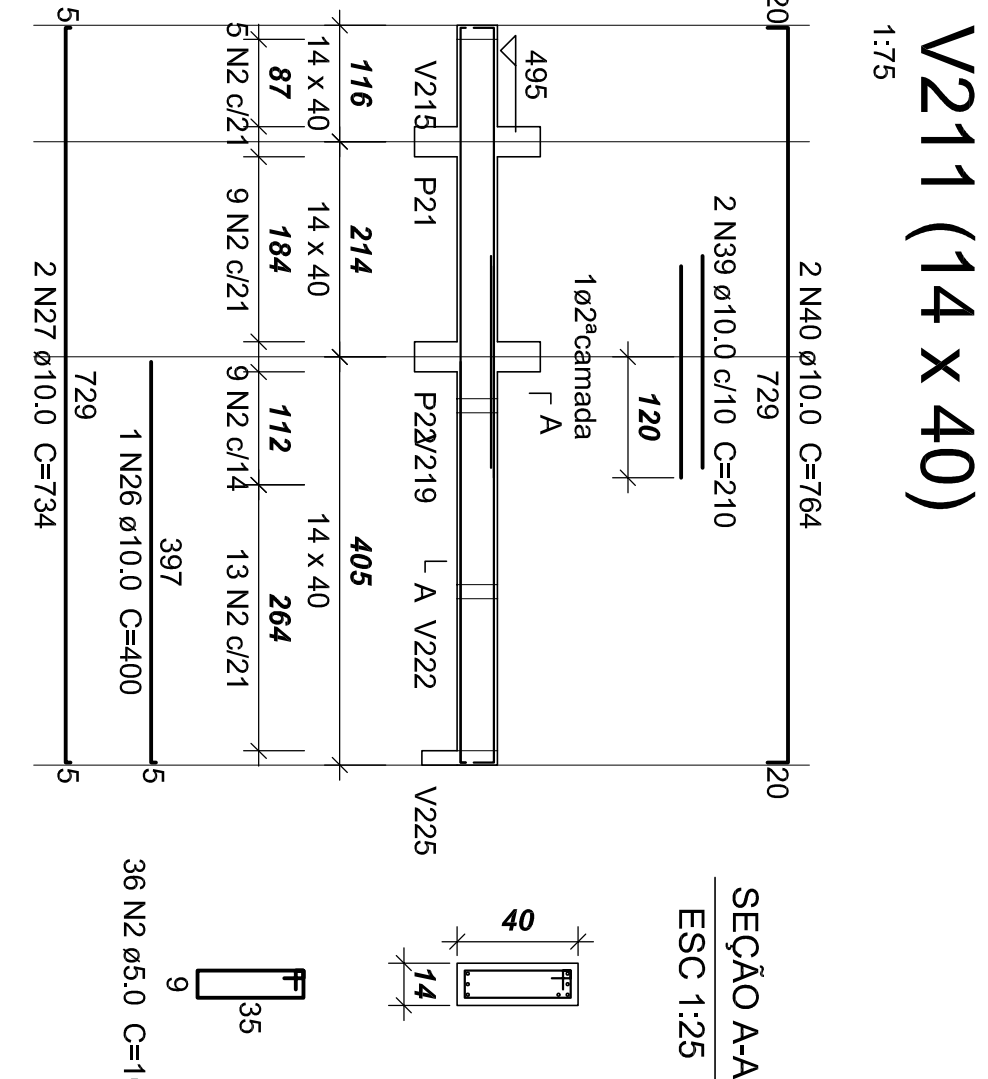
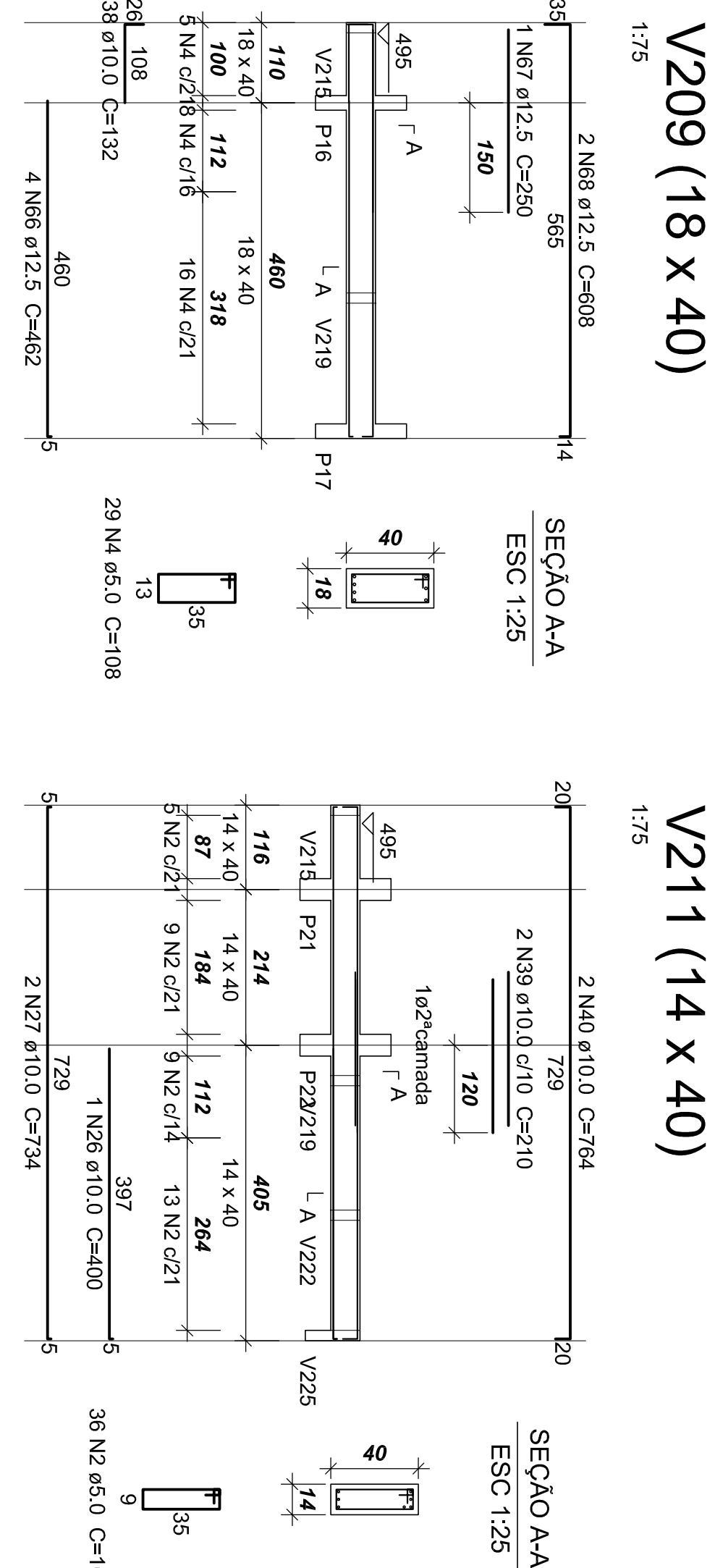
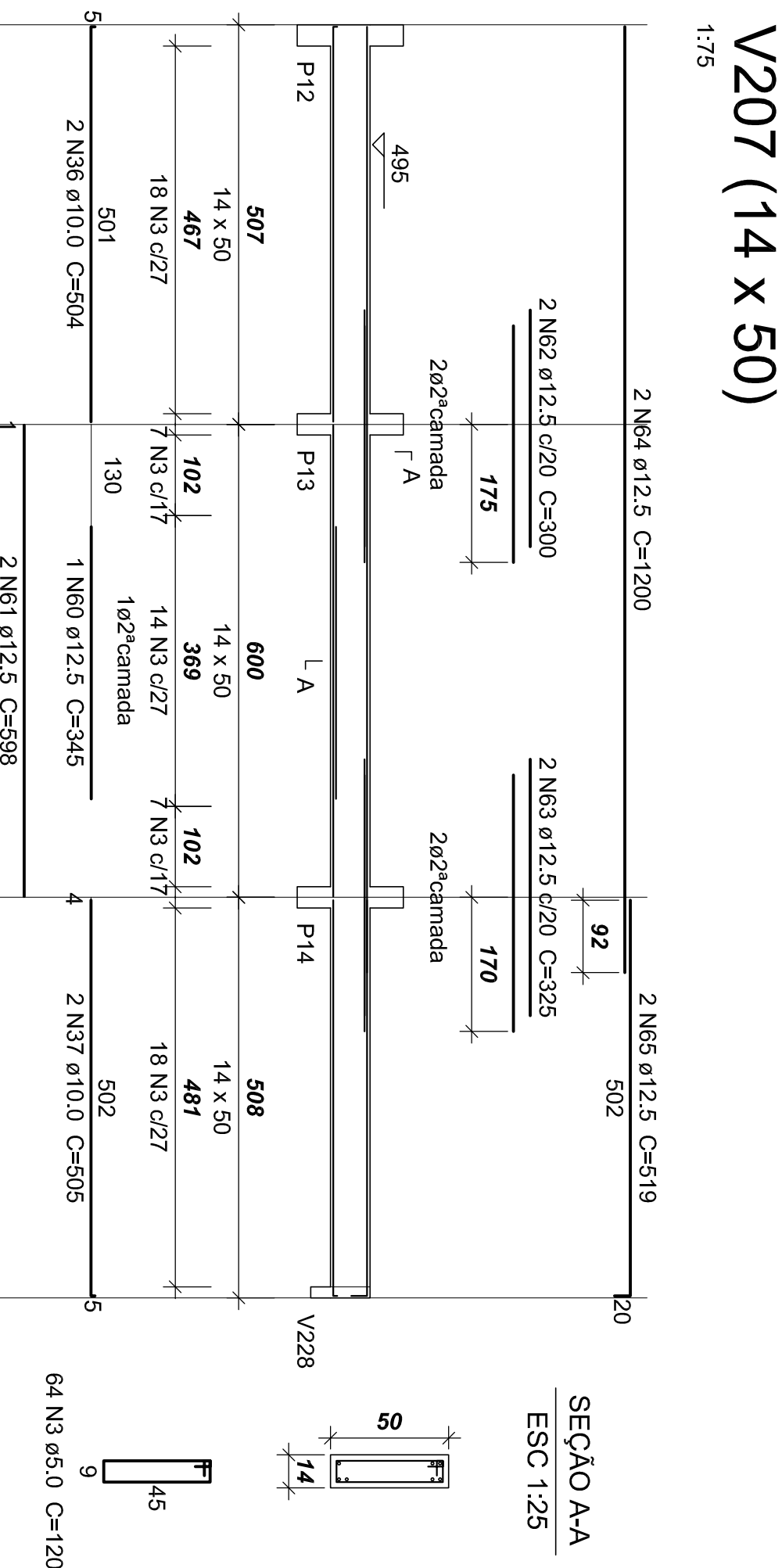
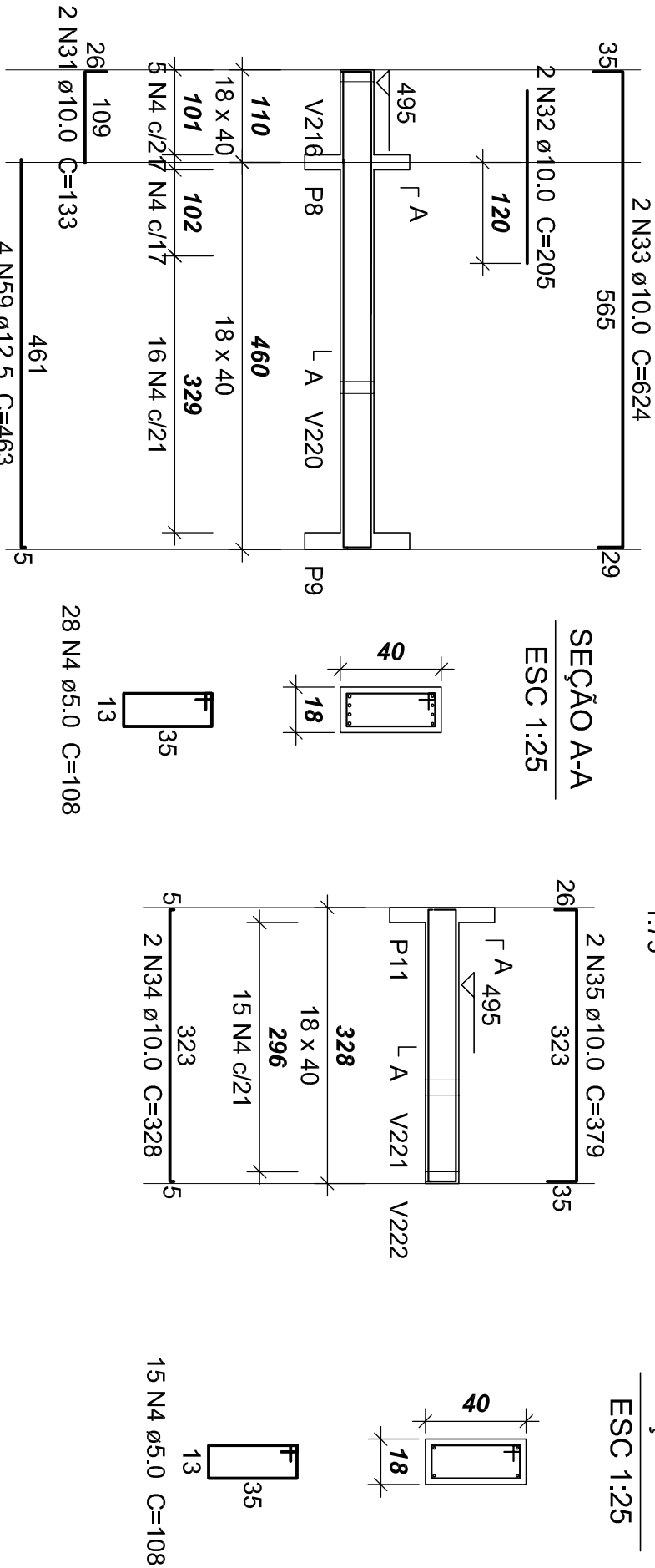
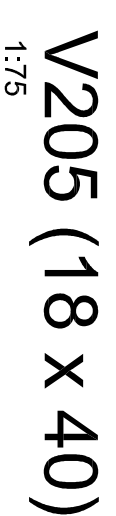
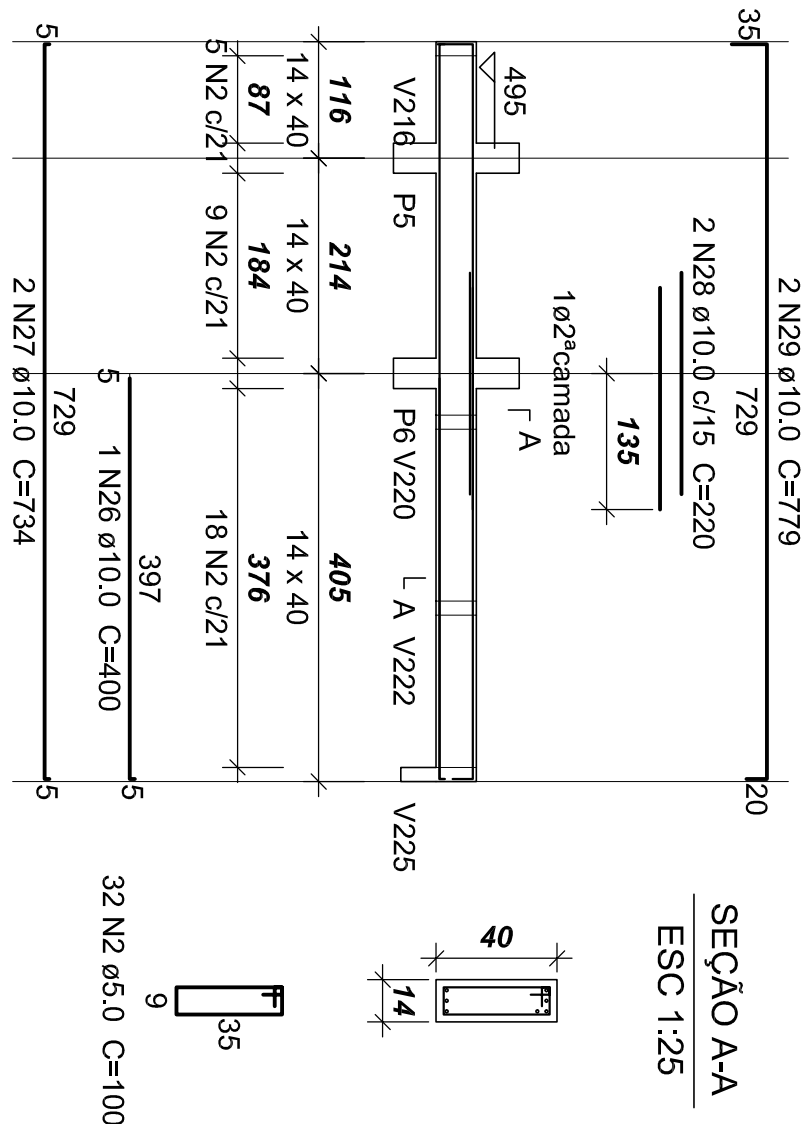
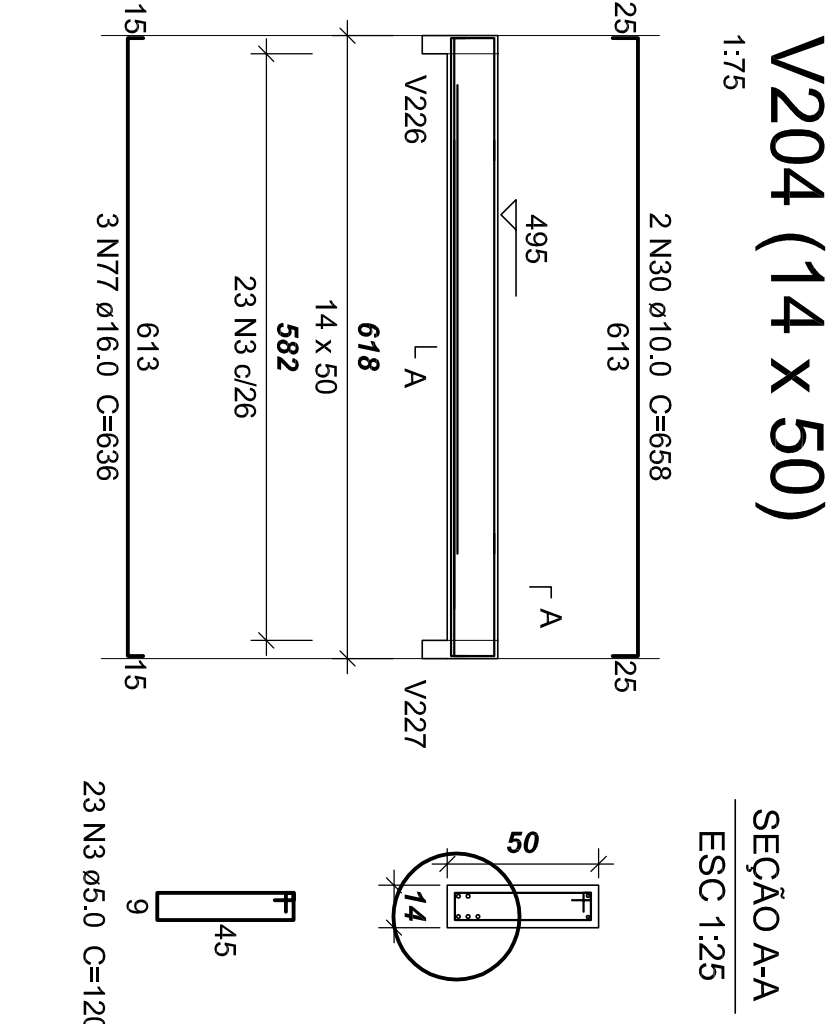
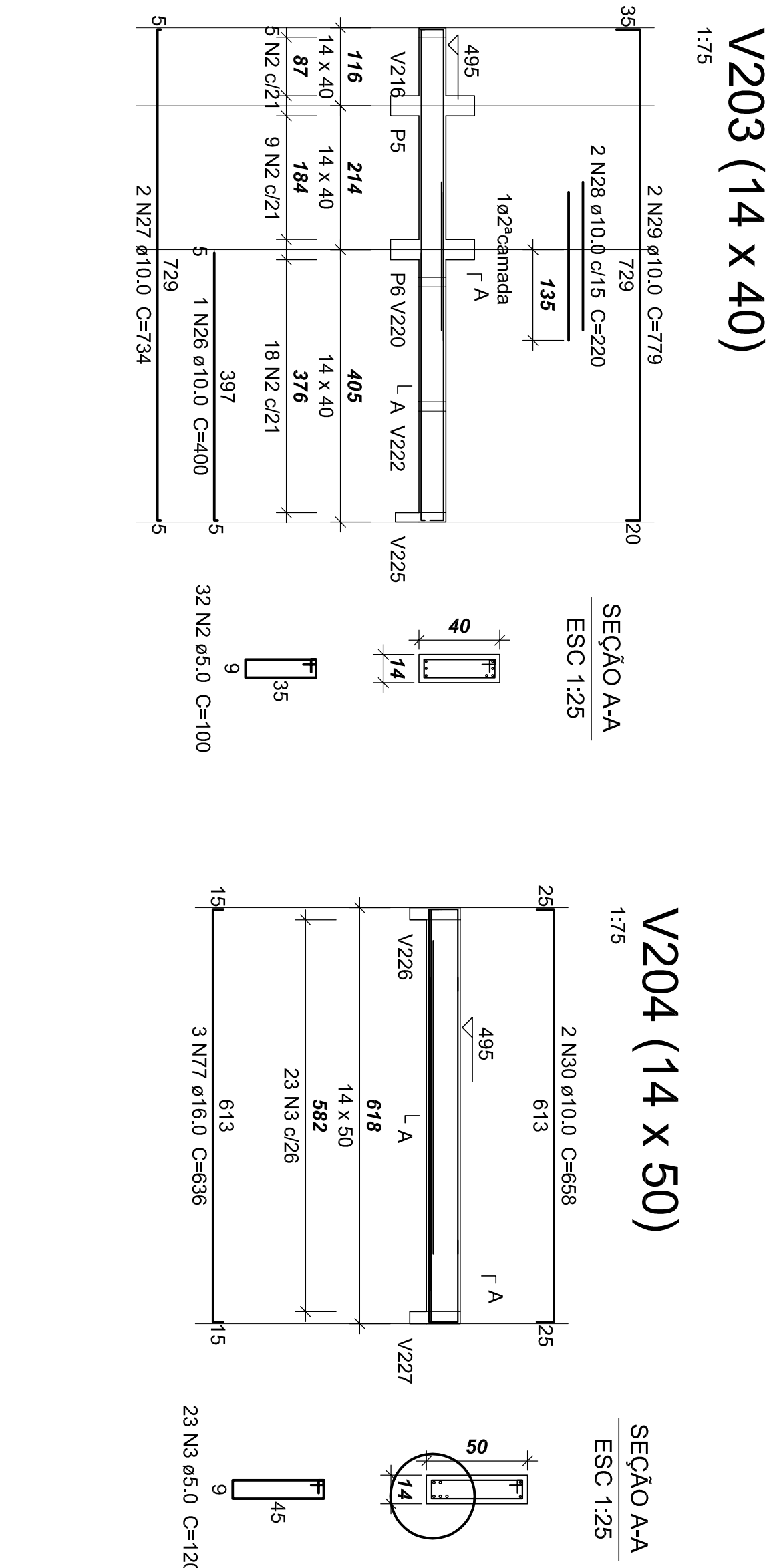
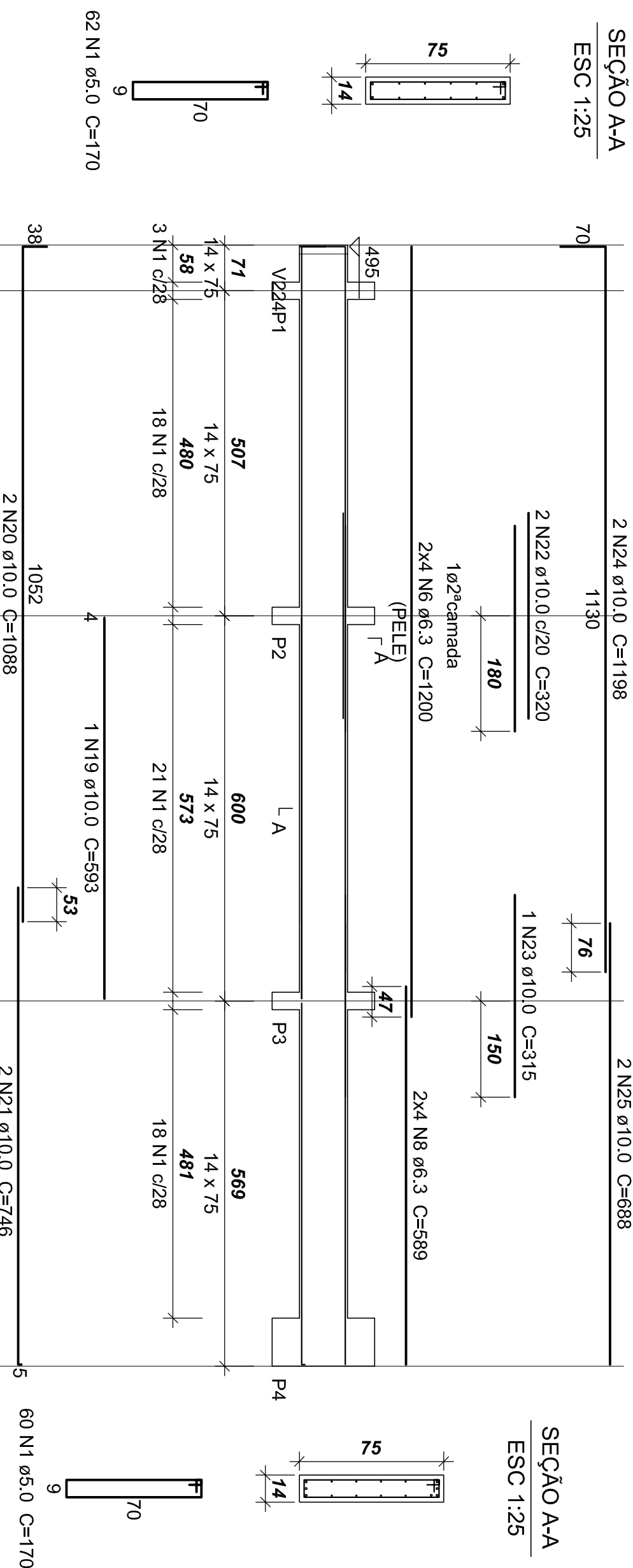
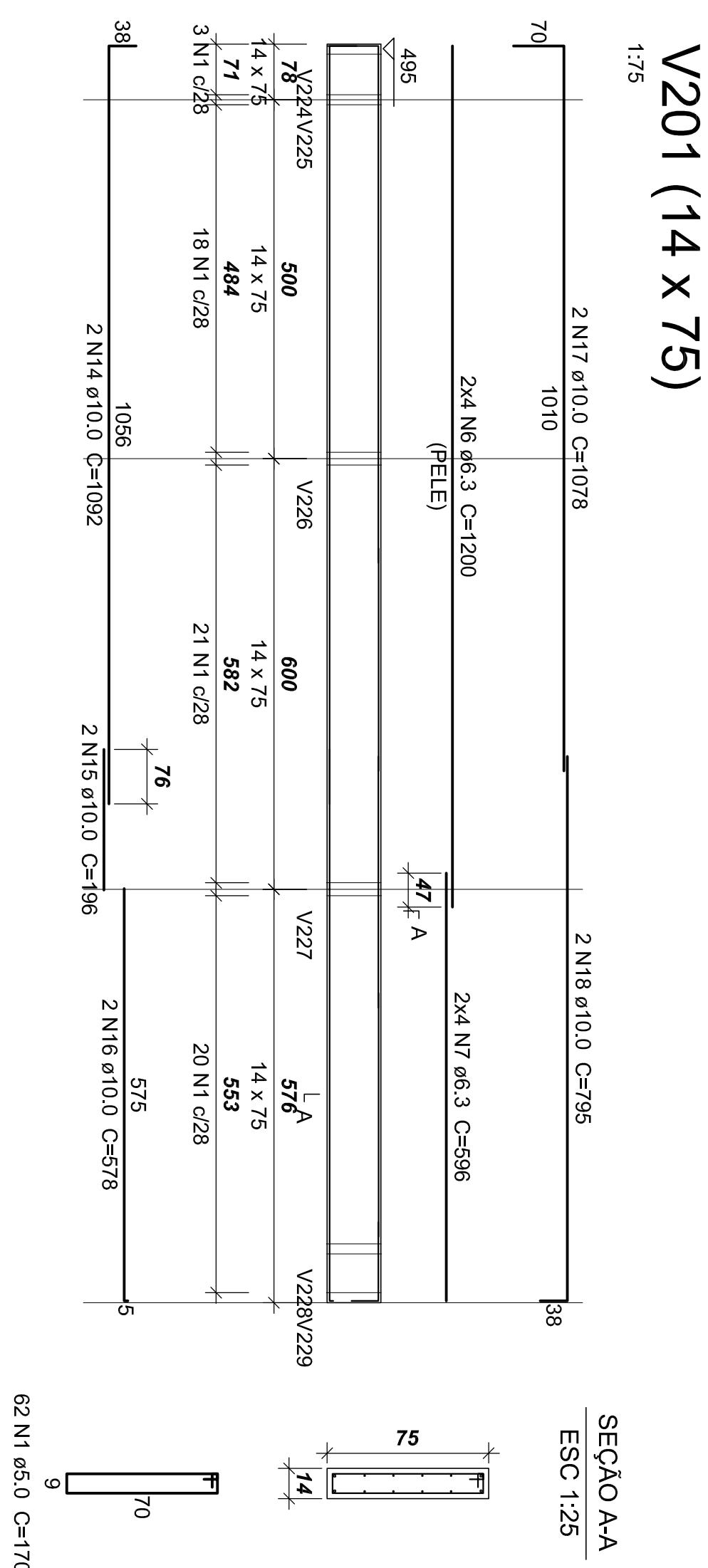




| Aço        | Relatório do QNT |     |     |      |       | C.TOTAL (cm) |
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| C60        | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C40        | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C20        | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C10        | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C5         | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C2,5       | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C1,5       | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,8       | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,4       | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,2       | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,1       | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,05      | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
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|            | 8                | 6,3 | 16  | 960  | 15420 |              |
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|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,02      | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,01      | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,005     | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,002     | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 3                | 5,0 | 105 | 100  | 11500 |              |
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|            | 5                | 5,0 | 22  | 88   | 1880  |              |
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|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,001     | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,0005    | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,0002    | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
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| C0,0001    | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
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|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,00005   | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,00002   | 1                | 5,0 | 230 | 170  | 39100 |              |
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| C0,00001   | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 3                | 5,0 | 105 | 100  | 11500 |              |
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|            | 5                | 5,0 | 22  | 88   | 1880  |              |
|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,000002  | 1                | 5,0 | 230 | 170  | 39100 |              |
|            | 2                | 5,0 | 160 | 120  | 19000 |              |
|            | 3                | 5,0 | 105 | 100  | 11500 |              |
|            | 4                | 5,0 | 105 | 100  | 11500 |              |
|            | 5                | 5,0 | 22  | 88   | 1880  |              |
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|            | 7                | 6,3 | 24  | 1200 | 28300 |              |
|            | 8                | 6,3 | 16  | 960  | 15420 |              |
|            | 9                | 6,3 | 16  | 960  | 15420 |              |
|            | 10               | 6,3 | 16  | 960  | 15420 |              |
| C0,000001  | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 6                | 6,3 | 24  | 1200 | 28300 |              |
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| C0,0000005 | 1                | 5,0 | 230 | 170  | 39100 |              |
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| C0,0000002 | 1                | 5,0 | 230 | 170  | 39100 |              |
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|            | 4                | 5,0 | 1   |      |       |              |

Vol. de concreto total (C-25) = 12.83 m<sup>3</sup>  
Área de forma total = 200.47 m<sup>2</sup>