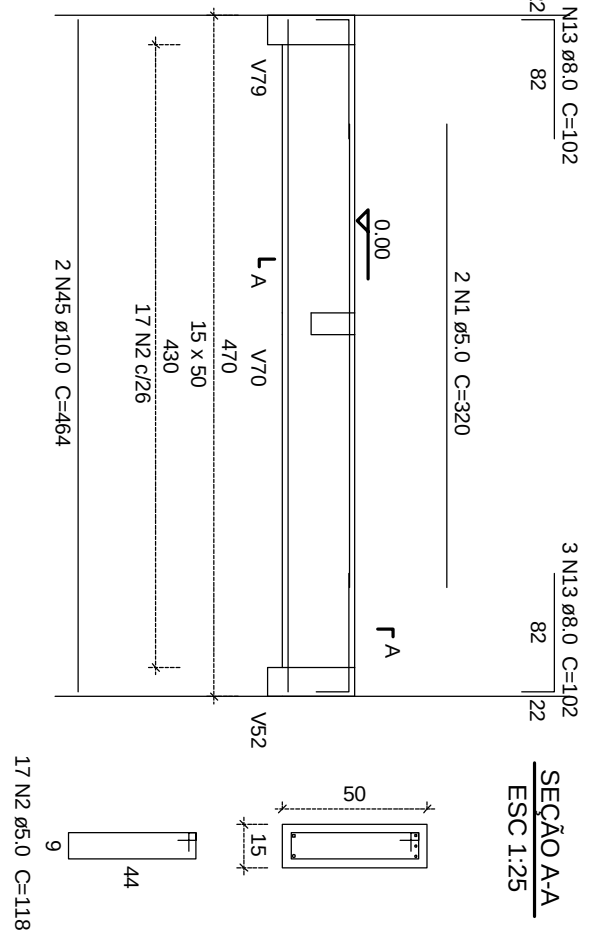
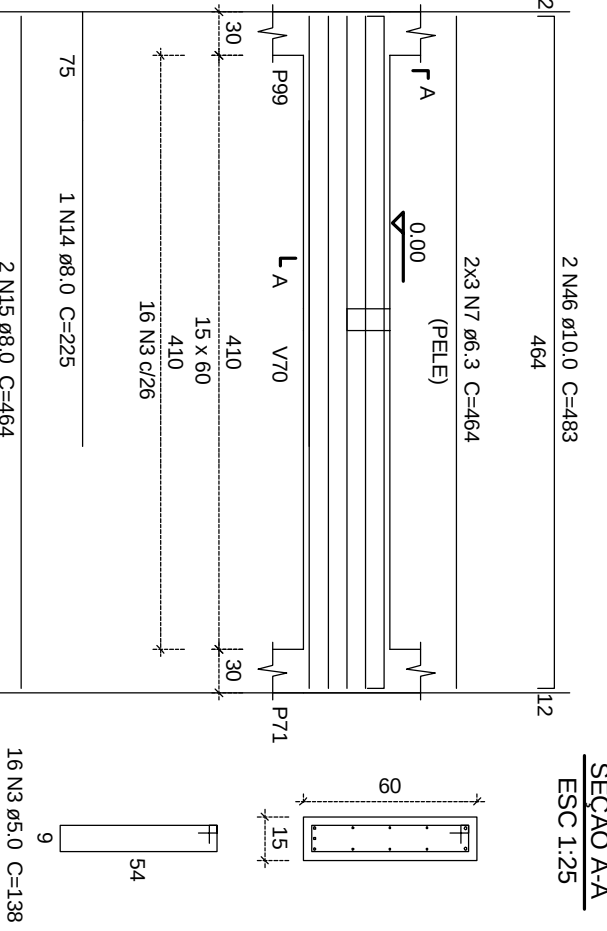


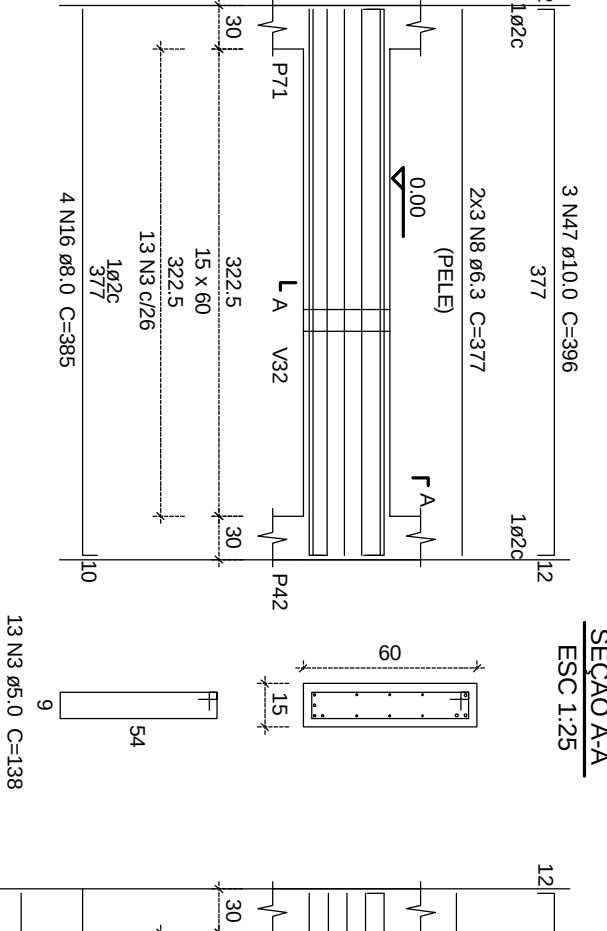
V123



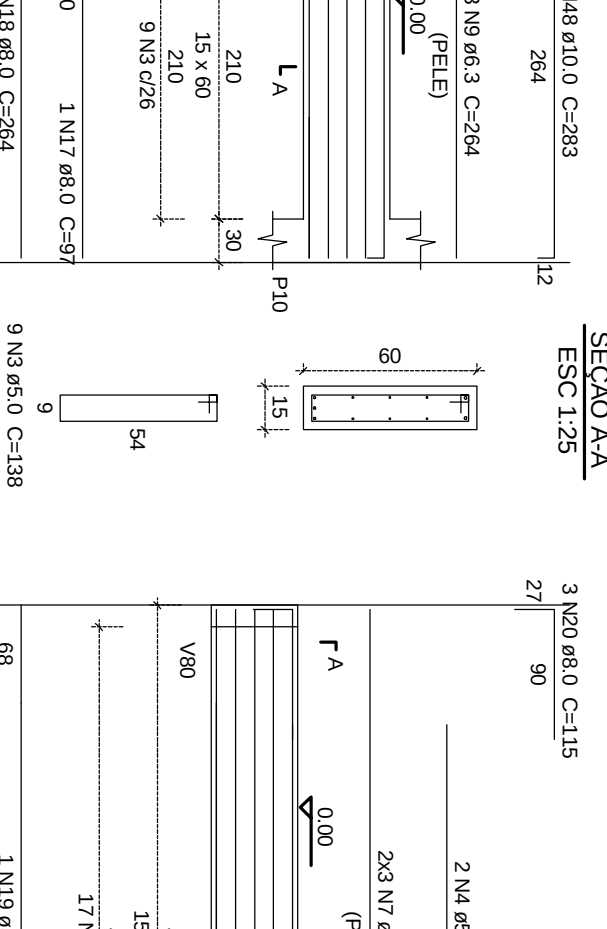
V124



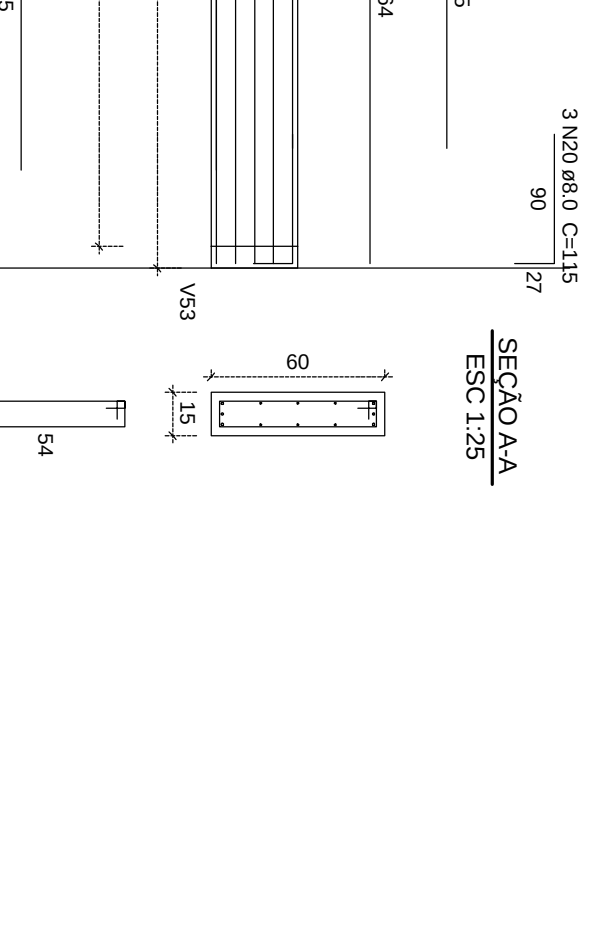
V125



V126



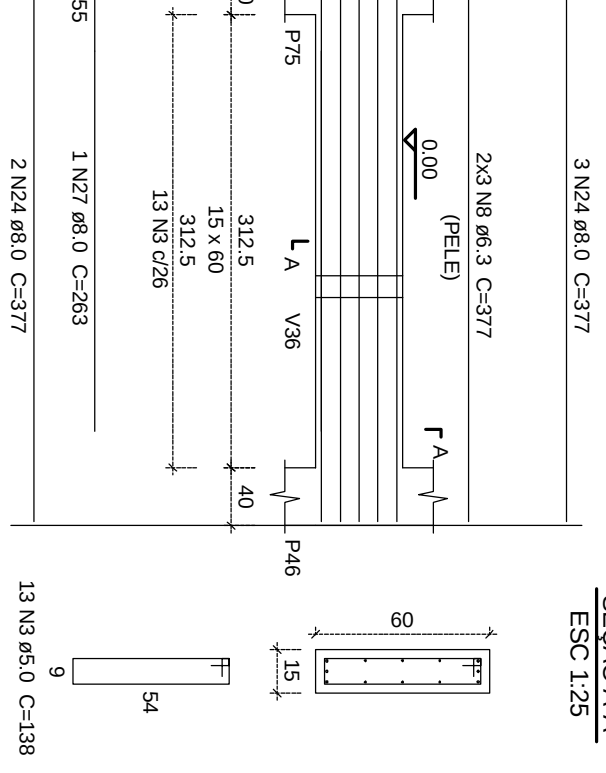
V127



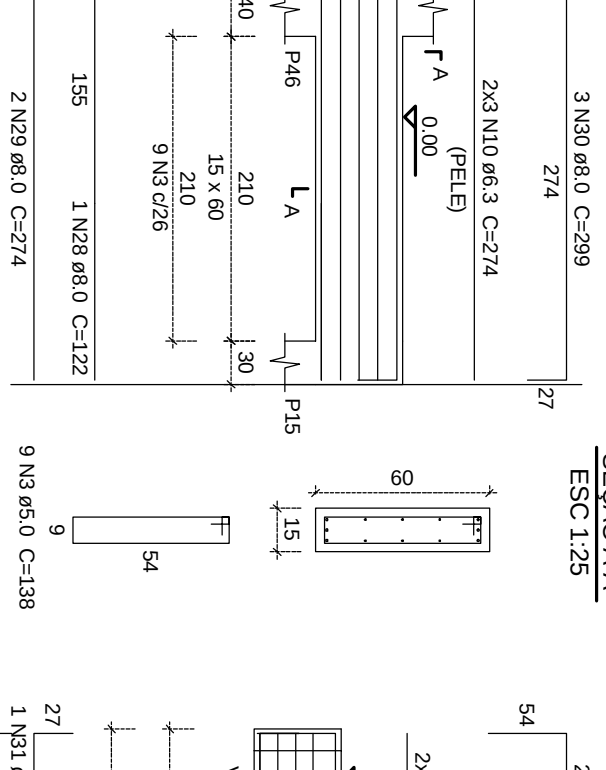
Relação do aço

|  | ACO  | N  | DIAM | Q   | UNIT | C.TOTAL |
|--|------|----|------|-----|------|---------|
|  | CA50 | 1  | 5,0  | 2   | (mm) |         |
|  |      | 2  | 5,0  | 34  | 118  | 4012    |
|  |      | 3  | 5,0  | 303 | 138  | 41814   |
|  |      | 4  | 5,0  | 4   | 305  | 1220    |
|  |      | 5  | 5,0  | 2   | 323  | 606     |
|  |      | 6  | 5,0  | 2   | 303  | 606     |
|  |      | 7  | 6,3  | 36  | 464  | 16704   |
|  |      | 8  | 6,3  | 48  | 377  | 18096   |
|  |      | 9  | 6,3  | 42  | 354  | 11088   |
|  |      | 10 | 6,3  | 6   | 274  | 1644    |
|  |      | 11 | 6,3  | 6   | 259  | 1614    |
|  |      | 12 | 6,3  | 6   | 259  | 1614    |
|  |      | 13 | 8,0  | 9   | 102  | 918     |
|  |      | 14 | 8,0  | 2   | 225  | 450     |
|  |      | 15 | 8,0  | 10  | 464  | 4640    |
|  |      | 16 | 8,0  | 25  | 397  | 6344    |
|  |      | 17 | 8,0  | 18  | 264  | 4752    |
|  |      | 18 | 8,0  | 15  | 115  | 1725    |
|  |      | 19 | 8,0  | 2   | 335  | 670     |
|  |      | 20 | 8,0  | 1   | 115  | 1725    |
|  |      | 21 | 8,0  | 1   | 102  | 1620    |
|  |      | 22 | 8,0  | 3   | 278  | 8114    |
|  |      | 23 | 8,0  | 10  | 377  | 3770    |
|  |      | 24 | 8,0  | 1   | 122  | 122     |
|  |      | 25 | 8,0  | 1   | 127  | 127     |
|  |      | 26 | 8,0  | 1   | 268  | 867     |
|  |      | 27 | 8,0  | 1   | 122  | 122     |
|  |      | 28 | 8,0  | 1   | 274  | 548     |
|  |      | 29 | 8,0  | 3   | 299  | 897     |
|  |      | 30 | 8,0  | 1   | 112  | 112     |
|  |      | 31 | 8,0  | 1   | 112  | 112     |
|  |      | 32 | 8,0  | 2   | 140  | 280     |
|  |      | 33 | 8,0  | 4   | 219  | 876     |
|  |      | 34 | 8,0  | 4   | 219  | 876     |
|  |      | 35 | 8,0  | 3   | 269  | 807     |
|  |      | 36 | 8,0  | 1   | 110  | 110     |
|  |      | 37 | 8,0  | 2   | 134  | 268     |
|  |      | 38 | 8,0  | 3   | 134  | 268     |
|  |      | 39 | 8,0  | 3   | 296  | 888     |
|  |      | 40 | 8,0  | 1   | 87   | 87      |
|  |      | 41 | 8,0  | 3   | 100  | 300     |
|  |      | 42 | 8,0  | 3   | 117  | 351     |
|  |      | 43 | 8,0  | 1   | 125  | 225     |
|  |      | 44 | 8,0  | 1   | 177  | 177     |
|  |      | 45 | 10,0 | 1   | 177  | 177     |
|  |      | 46 | 10,0 | 6   | 463  | 2784    |
|  |      | 47 | 10,0 | 7   | 463  | 2898    |
|  |      | 48 | 10,0 | 6   | 387  | 2322    |
|  |      | 49 | 10,0 | 4   | 387  | 1548    |
|  |      | 50 | 10,0 | 1   | 117  | 117     |
|  |      | 51 | 10,0 | 2   | 303  | 606     |
|  |      | 52 | 10,0 | 1   | 167  | 167     |
|  |      | 53 | 12,5 | 2   | 358  | 716     |
|  |      | 54 | 12,5 | 2   | 358  | 716     |
|  |      | 55 | 12,5 | 2   | 431  | 862     |

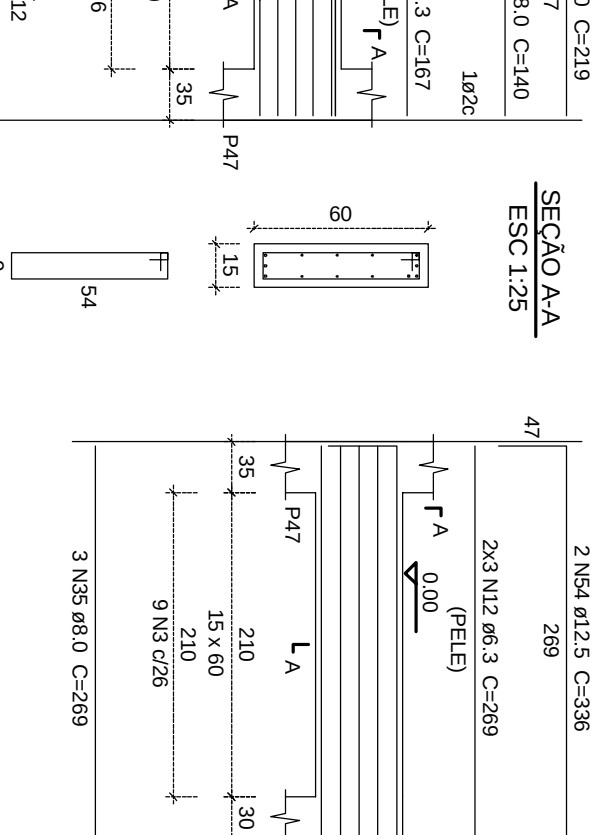
V134



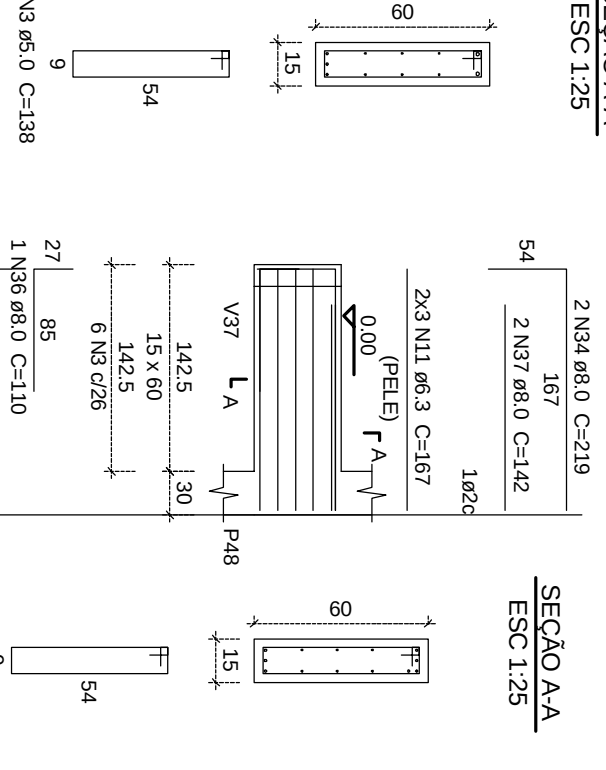
V135



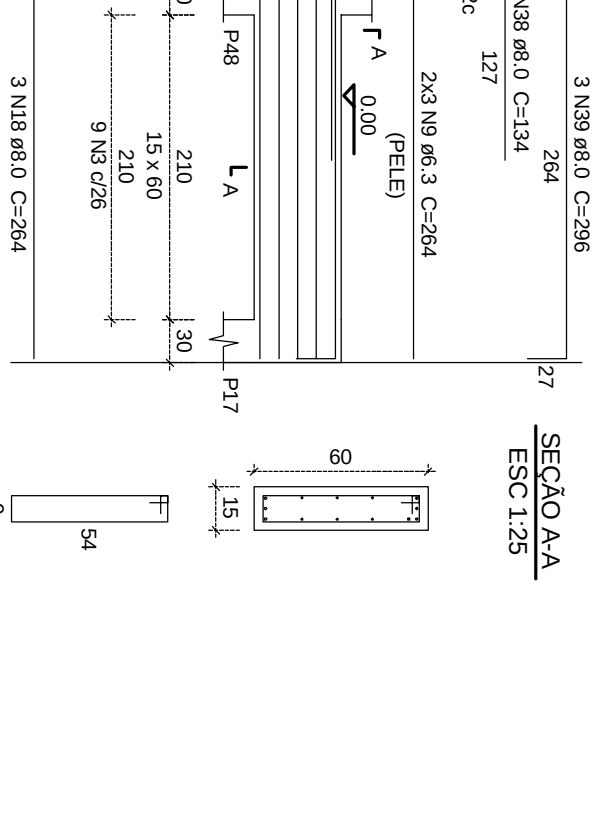
V136



V137



V138



V139



Resumo do aço

| ACO        | DIAM | C.TOTAL | PESO +10% |
|------------|------|---------|-----------|
| CA50       | 6,3  | 511,5   | 137,7     |
| CA50       | 8,0  | 326     | 141,5     |
| CA50       | 10,0 | 132,2   | 94,2      |
| CA50       | 12,5 | 94,4    | 83        |
| PESO TOTAL | 5,0  | 489,4   |           |
| CA50       | 40/4 | 50      |           |

Vol. de concreto total (C-25) = 8,51 m³  
Área de forma total = 127,96 m²