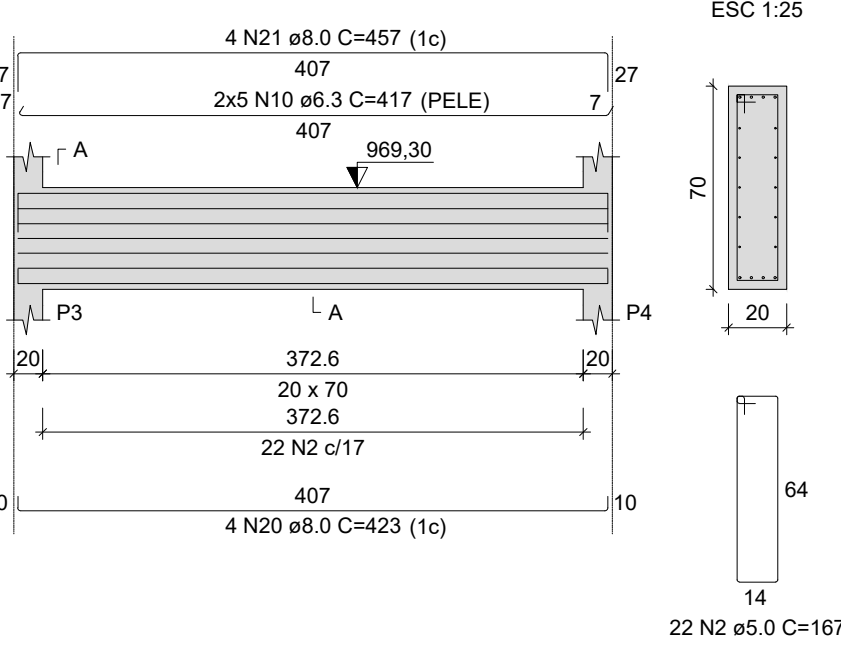
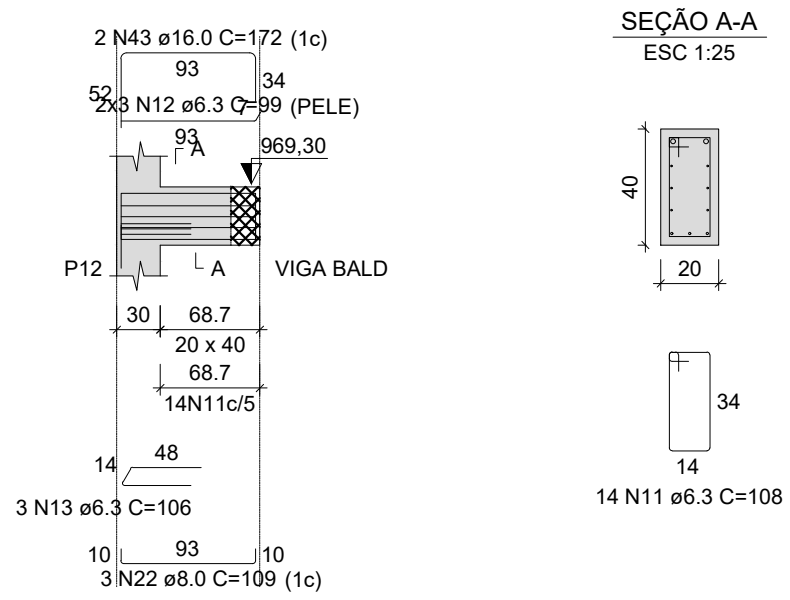


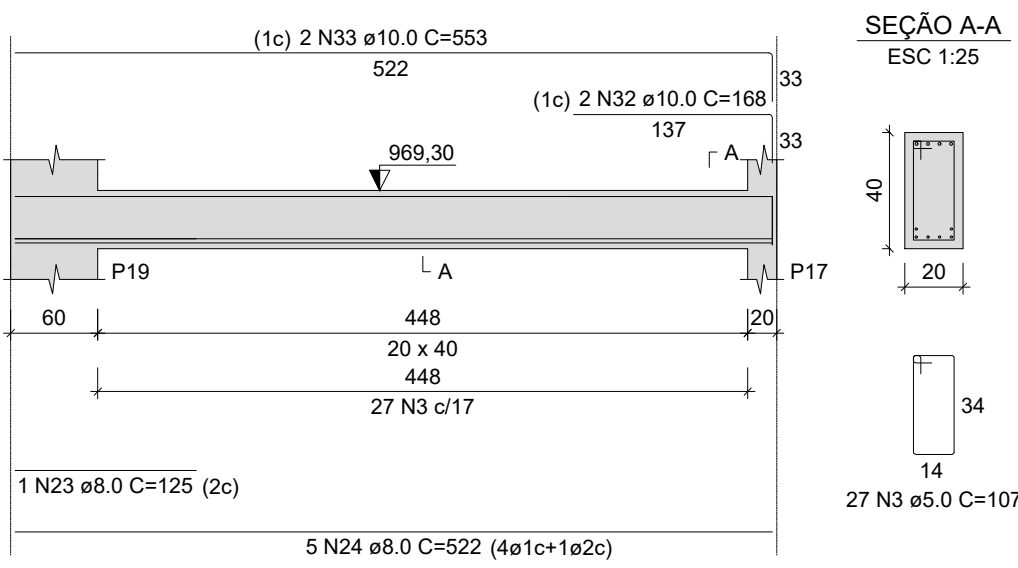
VIGA BALDRAME1



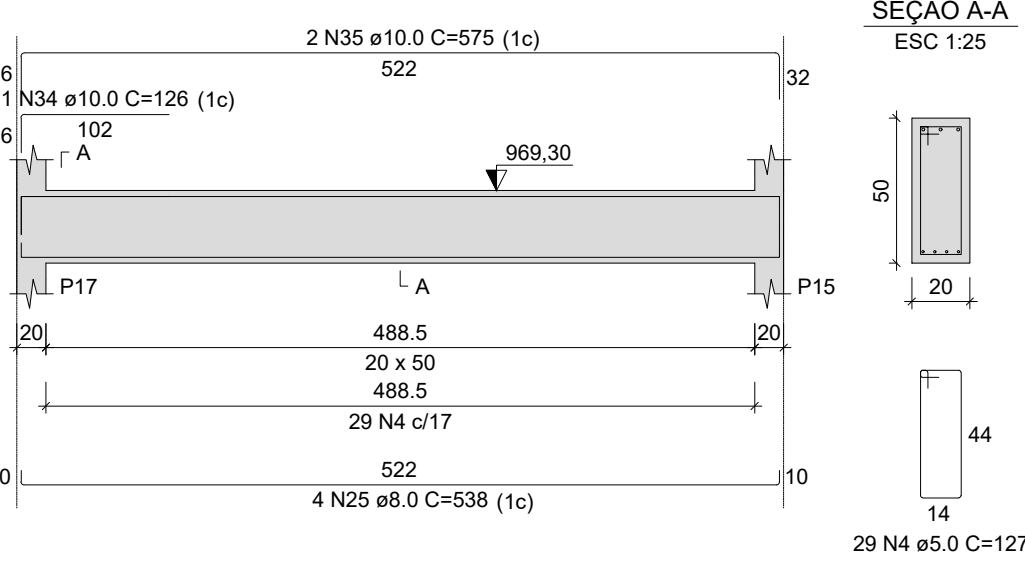
VIGA BALDRAME2



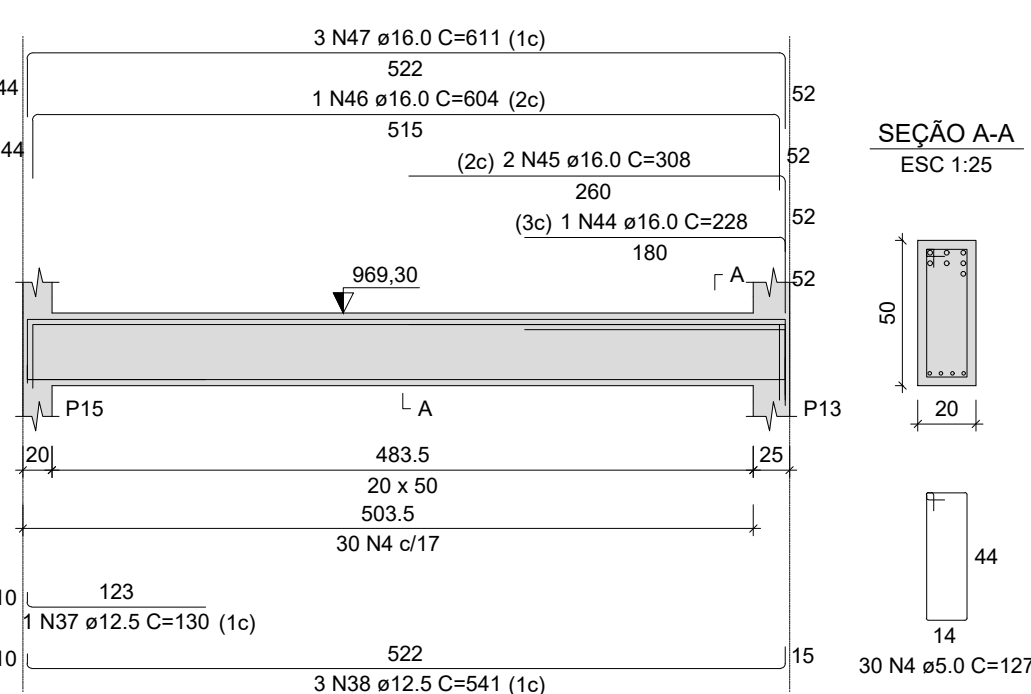
VIGA BALDRAME3



VIGA BALDRAME4



VIGA BALDRAME5



RELAÇÃO DO AÇO

| PAR14 | PAR15 | PAR16 | | | |
|----------------|----------------|----------------|-------|-------------|--------------|
| PAR17 | PAR18 | PAR19 | | | |
| PAR20 | VIGA BALDRAME1 | VIGA BALDRAME2 | | | |
| VIGA BALDRAME3 | VIGA BALDRAME4 | VIGA BALDRAME5 | | | |
| VIGA BALDRAME6 | VIGA BALDRAME7 | | | | |
| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
| CA60 | 1 | 5.0 | 132 | 227 | 29964 |
| | 2 | 5.0 | 22 | 167 | 3674 |
| | 3 | 5.0 | 42 | 107 | 4494 |
| | 4 | 5.0 | 59 | 127 | 7493 |
| CA50 | 5 | 5.0 | 27 | 147 | 3969 |
| | 6 | 6.3 | 104 | 235 | 24440 |
| | 7 | 6.3 | 350 | 237 | 82950 |
| | 8 | 6.3 | 160 | corr | 82400 |
| | 9 | 6.3 | 40 | corr | 20680 |
| | 10 | 6.3 | 10 | 417 | 4170 |
| | 11 | 6.3 | 14 | 108 | 1512 |
| | 12 | 6.3 | 6 | 99 | 594 |
| | 13 | 6.3 | 3 | 106 | 318 |
| | 14 | 6.3 | 6 | 105 | 630 |
| | 15 | 6.3 | 2 | 86 | 172 |
| | 16 | 6.3 | 8 | 528 | 4224 |
| 17 | 8.0 | 26 | corr | 13364 | |
| 18 | 8.0 | 34 | corr | 17510 | |
| 19 | 8.0 | 2 | corr | 1034 | |
| 20 | 8.0 | 4 | 423 | 1692 | |
| 21 | 8.0 | 4 | 457 | 1828 | |
| 22 | 8.0 | 3 | 109 | 327 | |
| 23 | 8.0 | 1 | 125 | 125 | |
| 24 | 8.0 | 5 | 522 | 2610 | |
| 25 | 8.0 | 4 | 538 | 2152 | |
| 26 | 8.0 | 1 | 112 | 112 | |
| 27 | 8.0 | 4 | 118 | 472 | |
| 28 | 8.0 | 4 | 530 | 2120 | |
| 29 | 10.0 | 6 | corr | 3084 | |
| 30 | 10.0 | 22 | corr | 11330 | |
| 31 | 10.0 | 4 | corr | 2068 | |
| 32 | 10.0 | 2 | 168 | 336 | |
| 33 | 10.0 | 2 | 553 | 1106 | |
| 34 | 10.0 | 1 | 126 | 126 | |
| 35 | 10.0 | 2 | 575 | 1150 | |
| 36 | 10.0 | 2 | 164 | 328 | |
| 37 | 12.5 | 1 | 130 | 130 | |
| 38 | 12.5 | 3 | 941 | 1623 | |
| 39 | 12.5 | 2 | 550 | 1100 | |
| 40 | 16.0 | 2 | corr | 1028 | |
| 41 | 16.0 | 10 | corr | 5150 | |
| 42 | 16.0 | 2 | corr | 1034 | |
| 43 | 16.0 | 2 | 172 | 344 | |
| 44 | 16.0 | 1 | 228 | 228 | |
| 45 | 16.0 | 2 | 308 | 616 | |
| 46 | 16.0 | 1 | 604 | 604 | |
| 47 | 16.0 | 3 | 611 | 1833 | |

RESUMO DO AÇO

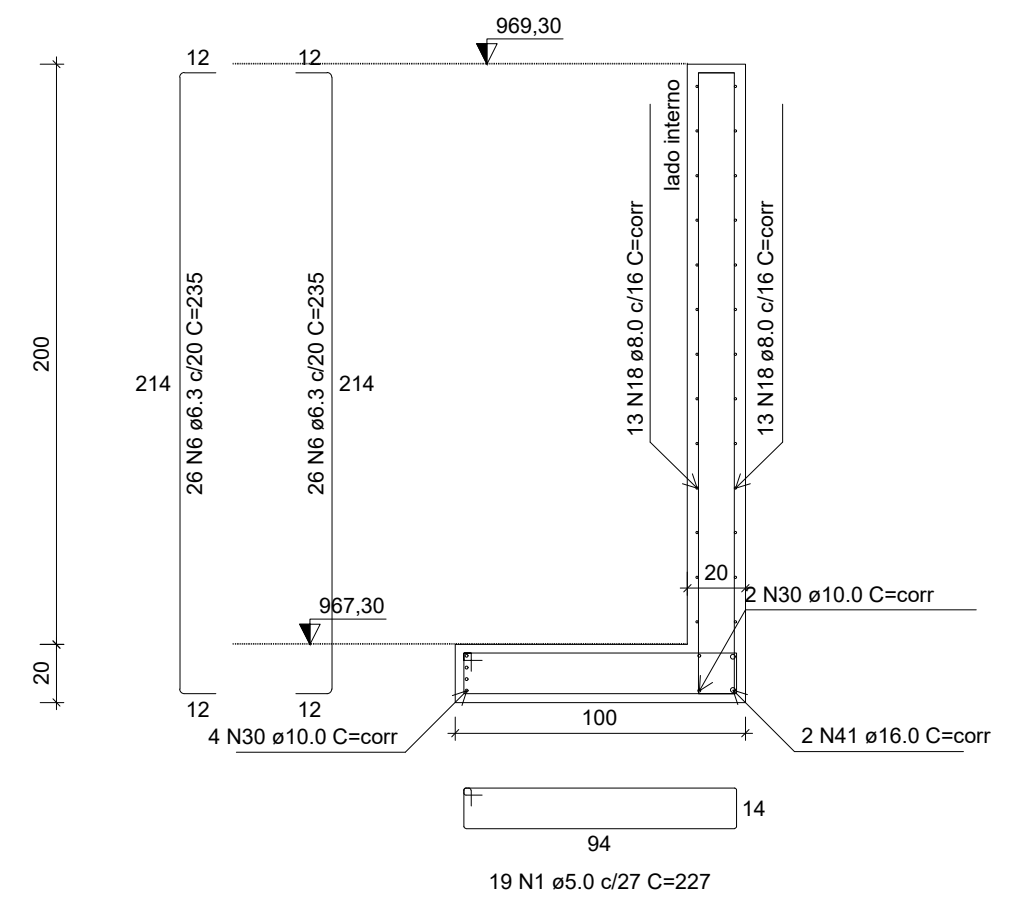
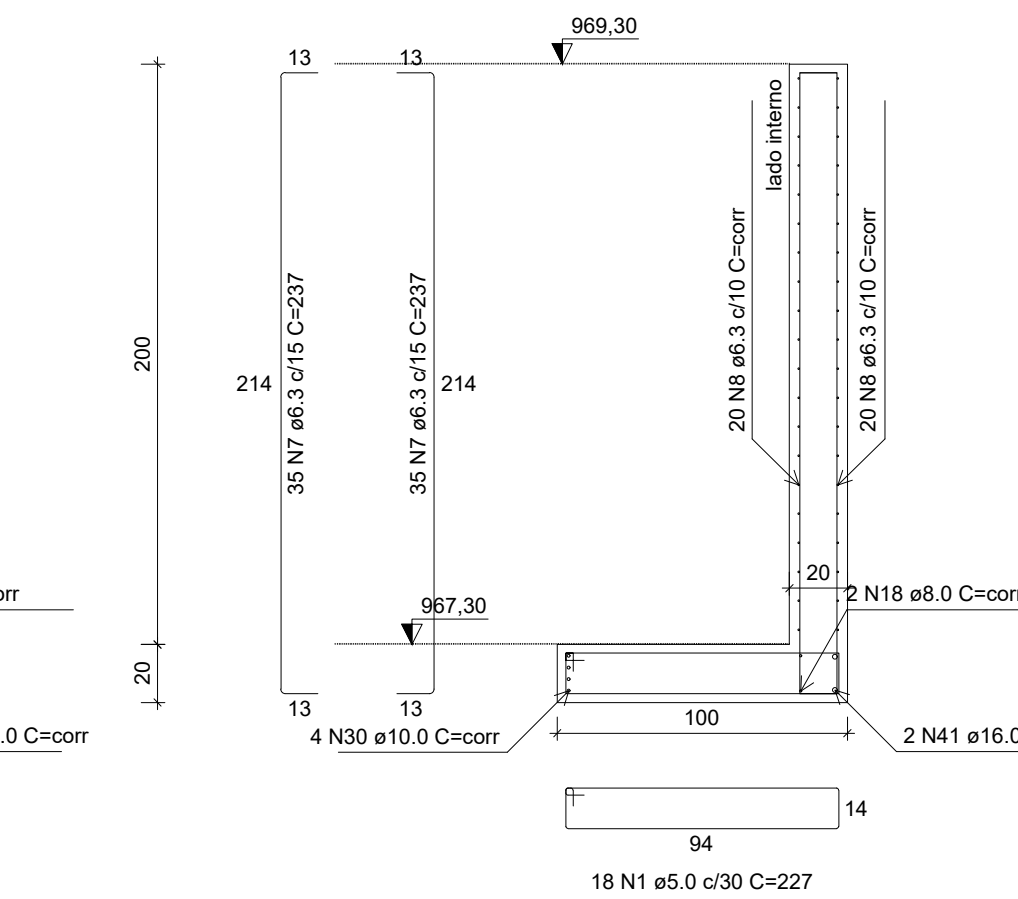
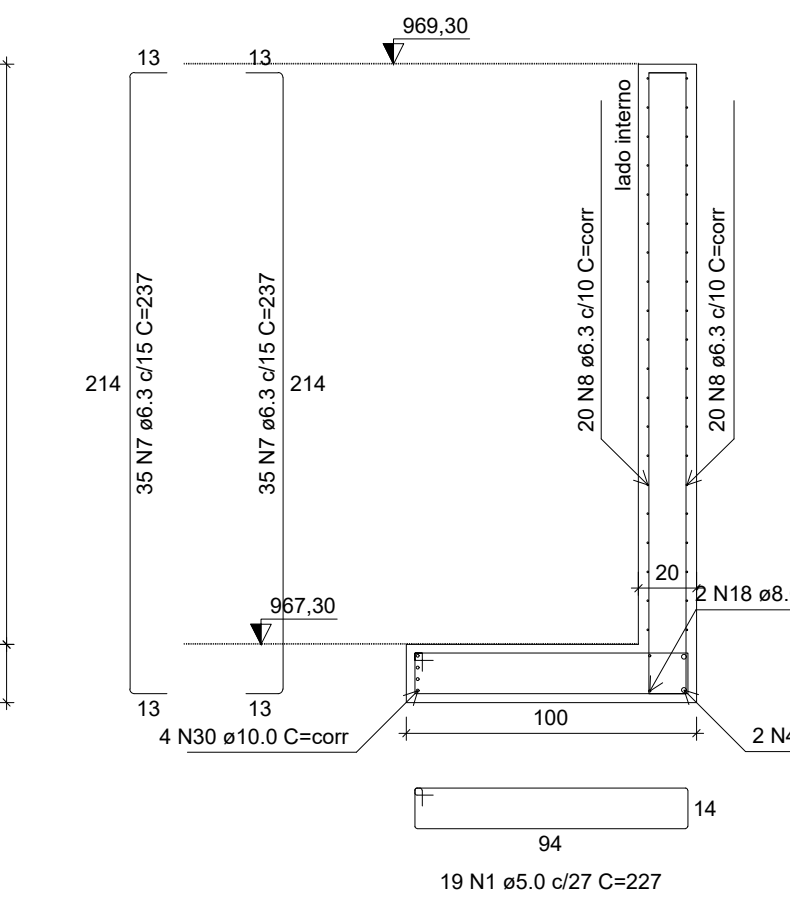
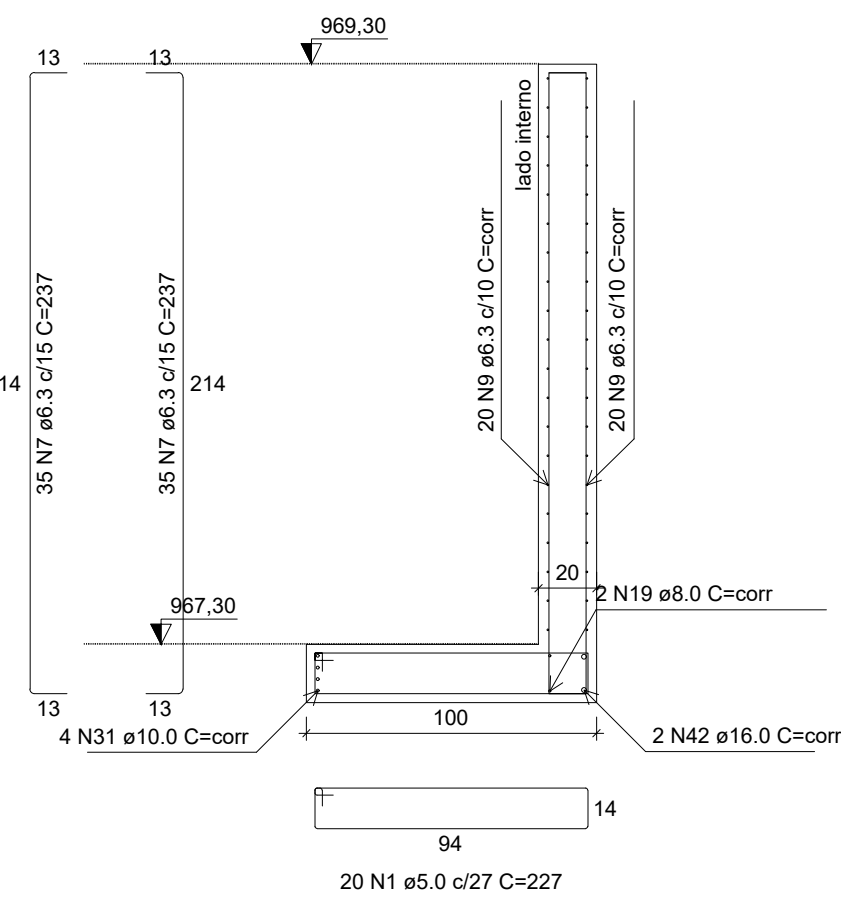
| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|-----------------|-----------|-------------|-----------------|
| CA50 | 6.3 | 2220.9 | 597.8 |
| | 8.0 | 433.5 | 188.1 |
| | 10.0 | 195.3 | 132.4 |
| | 12.5 | 28.5 | 30.2 |
| | 16.0 | 108.4 | 188.1 |
| CA60 | 5.0 | 495.9 | 84.1 |
| PESO TOTAL (kg) | | | |
| CA50 | | | 1136.8 |
| CA60 | | | 84.1 |

Volume de concreto fck 3,0kN/cm² (C-30) = 24.08 m³
Área de forma = 223.84 m²

PAR14

PAR15

PAR16



PAR17

PAR18

PAR19

PAR20