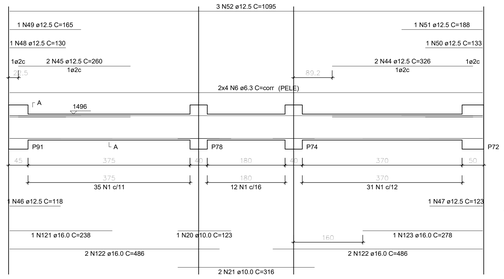
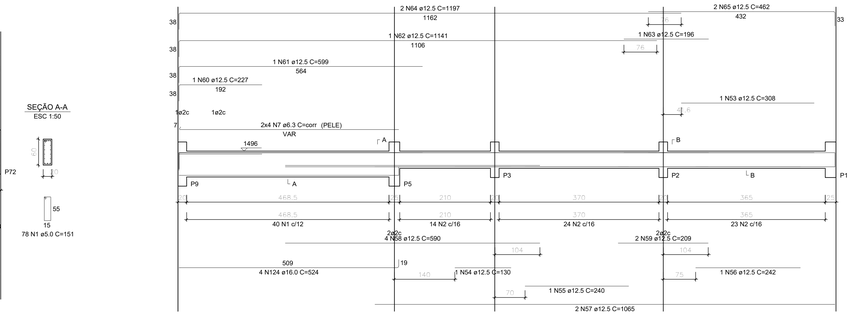
## V50
ESC 1:50



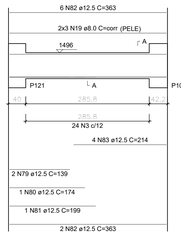

SEÇÃO A-A
ESC 1:50




SEÇÃO A-A
ESC 1:50

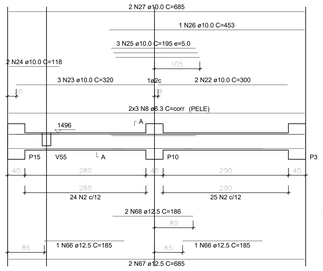
SEÇÃO B-B
ESC 1:50

## V60
ESC 1:50




SEÇÃO A-A
ESC 1:50

## V54
ESC 1:50




SEÇÃO A-A
ESC 1:50

RELAÇÃO DO AÇO

| | | |
|---|---|---|
| V50 | V52 | V54 |
| V57 | V58 | V59 |
| V60 | V61 | V62 |
| V63 | V64 | V65 |
| V66 | V67 | V69 |
| V70 | V71 | V72 |

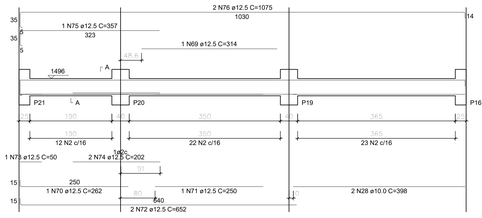
| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 851 | 151 | 128501 |
| | 2 | 5.0 | 230 | 111 | 25530 |
| | 3 | 5.0 | 24 | 161 | 3864 |
| | 4 | 5.0 | 2 | 260 | 520 |
| | 5 | 5.0 | 97 | 91 | 8827 |
| CA50 | 6 | 6.3 | 16 | corr | 17520 |
| | 7 | 6.3 | 8 | corr | 4096 |
| | 8 | 6.3 | 6 | corr | 4110 |
| | 9 | 6.3 | 32 | corr | 38400 |
| | 10 | 6.3 | 8 | corr | 3208 |
| | 11 | 6.3 | 8 | corr | 5520 |
| | 12 | 6.3 | 8 | corr | 3720 |
| | 13 | 6.3 | 8 | corr | 3808 |
| | 14 | 6.3 | 8 | corr | 6600 |
| | 15 | 6.3 | 8 | corr | 6600 |
| | 16 | 6.3 | 8 | corr | 8864 |
| | 17 | 6.3 | 8 | corr | 4496 |
| | 18 | 6.3 | 8 | corr | 3864 |
| | 19 | 8.0 | 6 | corr | 2178 |
| | 20 | 10.0 | 2 | 123 | 246 |
| | 21 | 10.0 | 4 | 316 | 1264 |
| | 22 | 10.0 | 2 | 300 | 600 |
| | 23 | 10.0 | 3 | 320 | 960 |
| | 24 | 10.0 | 2 | 118 | 236 |
| | 25 | 10.0 | 3 | 195 | 585 |
| | 26 | 10.0 | 1 | 453 | 453 |
| | 27 | 10.0 | 2 | 685 | 1370 |
| | 28 | 10.0 | 2 | 398 | 796 |
| | 29 | 10.0 | 1 | 215 | 215 |
| | 30 | 10.0 | 1 | 220 | 220 |
| | 31 | 10.0 | 2 | 657 | 1314 |
| | 32 | 10.0 | 2 | 614 | 1228 |
| | 33 | 10.0 | 2 | 624 | 1248 |
| | 34 | 10.0 | 1 | 335 | 335 |
| | 35 | 10.0 | 1 | 255 | 255 |
| | 36 | 10.0 | 2 | 1108 | 2216 |
| | 37 | 10.0 | 4 | 248 | 992 |
| | 38 | 10.0 | 3 | 648 | 1944 |
| | 39 | 10.0 | 2 | 165 | 330 |
| | 40 | 10.0 | 2 | 265 | 530 |
| | 41 | 10.0 | 2 | 180 | 360 |
| | 42 | 10.0 | 3 | 368 | 1104 |
| | 43 | 10.0 | 5 | 385 | 1925 |
| | 44 | 12.5 | 2 | 325 | 650 |
| | 45 | 12.5 | 1 | 180 | 180 |
| | 46 | 12.5 | 1 | 118 | 118 |
| | 47 | 12.5 | 1 | 123 | 123 |
| | 48 | 12.5 | 1 | 130 | 130 |
| | 49 | 12.5 | 1 | 165 | 165 |
| | 50 | 12.5 | 1 | 133 | 133 |
| | 51 | 12.5 | 1 | 188 | 188 |
| | 52 | 12.5 | 3 | 1095 | 3285 |
| | 53 | 12.5 | 1 | 308 | 308 |
| | 54 | 12.5 | 1 | 130 | 130 |
| | 55 | 12.5 | 1 | 240 | 240 |
| | 56 | 12.5 | 1 | 242 | 242 |
| | 57 | 12.5 | 2 | 1065 | 2130 |
| | 58 | 12.5 | 4 | 590 | 2360 |
| | 59 | 12.5 | 2 | 209 | 418 |
| | 60 | 12.5 | 1 | 227 | 227 |
| | 61 | 12.5 | 1 | 599 | 599 |
| | 62 | 12.5 | 1 | 1141 | 1141 |
| | 63 | 12.5 | 1 | 196 | 196 |
| | 64 | 12.5 | 2 | 1197 | 2394 |
| | 65 | 12.5 | 2 | 462 | 924 |
| | 66 | 12.5 | 3 | 185 | 555 |
| | 67 | 12.5 | 2 | 685 | 1370 |
| | 68 | 12.5 | 2 | 186 | 372 |
| | 69 | 12.5 | 1 | 314 | 314 |
| | 70 | 12.5 | 1 | 262 | 262 |
| | 71 | 12.5 | 1 | 250 | 250 |
| | 72 | 12.5 | 2 | 652 | 1304 |
| | 73 | 12.5 | 1 | 50 | 50 |
| | 74 | 12.5 | 2 | 202 | 404 |
| | 75 | 12.5 | 1 | 357 | 357 |
| | 76 | 12.5 | 2 | 1075 | 2150 |
| | 77 | 12.5 | 1 | 286 | 286 |
| | 78 | 12.5 | 2 | 628 | 1256 |
| | 79 | 12.5 | 2 | 139 | 278 |
| | 80 | 12.5 | 1 | 174 | 174 |
| | 81 | 12.5 | 1 | 199 | 199 |
| | 82 | 12.5 | 8 | 363 | 2904 |
| | 83 | 12.5 | 4 | 214 | 856 |
| | 84 | 12.5 | 2 | 132 | 264 |
| | 85 | 12.5 | 2 | 228 | 456 |
| | 86 | 12.5 | 2 | 121 | 242 |
| | 87 | 12.5 | 5 | 871 | 4355 |
| | 88 | 12.5 | 2 | 148 | 296 |
| | 89 | 12.5 | 2 | 248 | 496 |
| | 90 | 12.5 | 1 | 200 | 200 |
| | 91 | 12.5 | 2 | 632 | 1264 |
| | 92 | 12.5 | 3 | 479 | 1437 |
| | 93 | 12.5 | 3 | 358 | 1074 |
| | 94 | 12.5 | 1 | 160 | 160 |
| | 95 | 12.5 | 1 | 590 | 590 |
| | 96 | 12.5 | 2 | 795 | 1590 |
| | 97 | 12.5 | 1 | 113 | 113 |
| | 98 | 12.5 | 4 | 584 | 2336 |
| | 99 | 12.5 | 5 | 1106 | 5530 |
| | 100 | 12.5 | 1 | 272 | 272 |
| | 101 | 12.5 | 4 | 323 | 1292 |
| | 102 | 12.5 | 2 | 437 | 874 |
| | 103 | 12.5 | 1 | 118 | 118 |
| | 104 | 12.5 | 1 | 175 | 175 |
| | 105 | 12.5 | 1 | 860 | 860 |
| | 106 | 12.5 | 4 | 1200 | 4800 |
| | 107 | 12.5 | 1 | 256 | 256 |
| | 108 | 12.5 | 1 | 574 | 574 |
| | 109 | 12.5 | 2 | 663 | 1326 |
| | 110 | 12.5 | 1 | 178 | 178 |
| | 111 | 12.5 | 2 | 225 | 450 |
| | 112 | 12.5 | 1 | 190 | 190 |
| | 113 | 12.5 | 1 | 290 | 290 |
| | 114 | 12.5 | 2 | 450 | 900 |
| | 115 | 12.5 | 2 | 278 | 556 |
| | 116 | 12.5 | 3 | 524 | 1572 |
| | 117 | 12.5 | 1 | 121 | 121 |
| | 118 | 12.5 | 3 | 225 | 675 |
| | 119 | 12.5 | 1 | 593 | 593 |
| | 120 | 12.5 | 2 | 865 | 1730 |
| | 121 | 16.0 | 1 | 238 | 238 |
| | 122 | 16.0 | 8 | 486 | 3888 |
| | 123 | 16.0 | 1 | 278 | 278 |
| | 124 | 16.0 | 4 | 524 | 2096 |
| | 125 | 16.0 | 1 | 215 | 215 |
| | 126 | 16.0 | 1 | 203 | 203 |
| | 127 | 16.0 | 2 | 316 | 632 |
| | 128 | 16.0 | 2 | 282 | 564 |
| | 129 | 16.0 | 1 | 189 | 189 |
| | 130 | 16.0 | 1 | 189 | 189 |
| | 131 | 16.0 | 1 | 225 | 225 |
| | 132 | 16.0 | 2 | 1200 | 2400 |
| | 133 | 16.0 | 2 | 454 | 908 |
| | 134 | 16.0 | 1 | 491 | 491 |
| | 135 | 16.0 | 1 | 413 | 413 |
| | 136 | 16.0 | 2 | 690 | 1380 |
| | 137 | 16.0 | 1 | 202 | 202 |
| | 138 | 16.0 | 2 | 741 | 1482 |
| | 139 | 16.0 | 1 | 266 | 266 |
| | 140 | 16.0 | 1 | 250 | 250 |
| | 141 | 16.0 | 2 | 834 | 1668 |
| | 142 | 16.0 | 2 | 255 | 510 |
| | 143 | 16.0 | 1 | 282 | 282 |
| | 144 | 16.0 | 4 | 849 | 3396 |
| | 145 | 16.0 | 1 | 126 | 126 |
| | 146 | 16.0 | 1 | 249 | 249 |
| | 147 | 16.0 | 2 | 253 | 506 |
| | 148 | 16.0 | 1 | 241 | 241 |
| | 149 | 16.0 | 1 | 177 | 177 |
| | 150 | 16.0 | 3 | 1196 | 3588 |
| | 151 | 16.0 | 3 | 564 | 1692 |
| | 152 | 16.0 | 1 | 330 | 330 |
| | 153 | 16.0 | 1 | 260 | 260 |
| | 154 | 16.0 | 1 | 265 | 265 |
| | 155 | 16.0 | 2 | 846 | 1692 |
| | 156 | 16.0 | 1 | 138 | 138 |
| | 157 | 16.0 | 1 | 252 | 252 |
| | 158 | 16.0 | 1 | 252 | 252 |
| | 159 | 16.0 | 1 | 233 | 233 |
| | 160 | 16.0 | 3 | 1196 | 3588 |
| | 161 | 16.0 | 1 | 235 | 235 |
| | 162 | 16.0 | 2 | 548 | 1096 |
| | 163 | 16.0 | 1 | 235 | 235 |
| | 164 | 16.0 | 1 | 247 | 247 |
| | 165 | 16.0 | 2 | 840 | 1680 |
| | 166 | 16.0 | 1 | 346 | 346 |
| | 167 | 16.0 | 1 | 267 | 267 |
| | 168 | 16.0 | 1 | 255 | 255 |
| | 169 | 16.0 | 2 | 825 | 1650 |
| | 170 | 16.0 | 1 | 252 | 252 |
| | 171 | 16.0 | 1 | 146 | 146 |
| | 172 | 16.0 | 1 | 561 | 561 |
| | 173 | 16.0 | 2 | 839 | 1678 |
| | 174 | 16.0 | 1 | 305 | 305 |
| | 175 | 16.0 | 2 | 577 | 1154 |
| | 176 | 16.0 | 1 | 283 | 283 |
| | 177 | 16.0 | 1 | 227 | 227 |
| | 178 | 16.0 | 1 | 275 | 275 |
| | 179 | 16.0 | 1 | 133 | 133 |
| | 180 | 16.0 | 1 | 308 | 308 |
| | 181 | 16.0 | 2 | 1031 | 2062 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|---|---|---|---|
| CA50 | 6.3 | 1108.1 | 298.3 |
| | 8.0 | 21.8 | 9.5 |
| | 10.0 | 207.3 | 140.6 |
| | 12.5 | 679.1 | 719.6 |
| | 16.0 | 493 | 856 |
| CA60 | 5.0 | 1672.4 | 283.6 |
| PESO TOTAL (kg) | | | |
| CA50 | 2023.9 | | |
| CA60 | 283.6 | | |

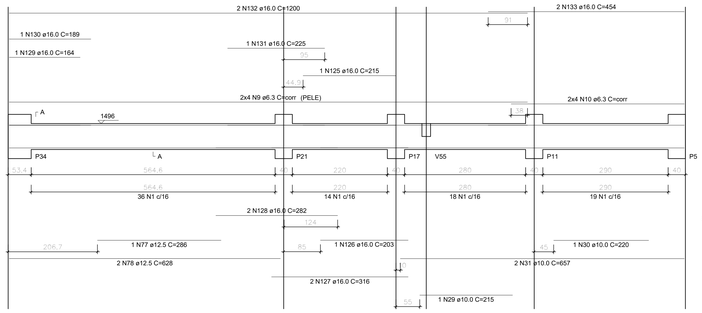
Volume de concreto (C-35) = 20.13 m³
Área de forma = 237.46 m²

## V57
ESC 1:50



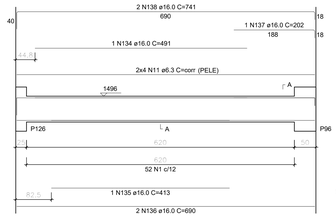

SEÇÃO A-A
ESC 1:50

## V58
ESC 1:50



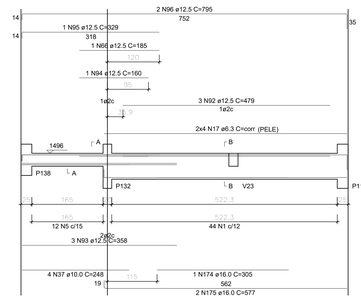

SEÇÃO A-A
ESC 1:50

## V59
ESC 1:50




SEÇÃO A-A
ESC 1:50

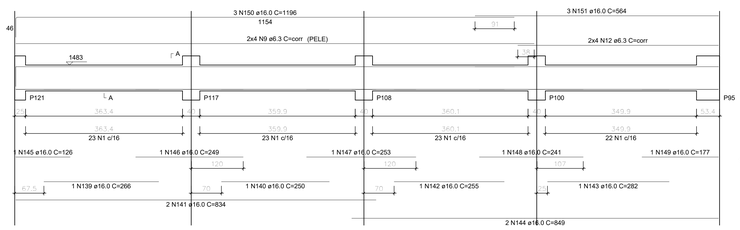
## V67
ESC 1:50




SEÇÃO A-A
ESC 1:50

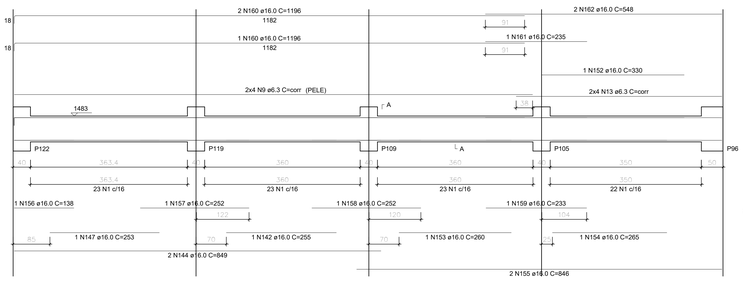
SEÇÃO B-B
ESC 1:50

## V61
ESC 1:50



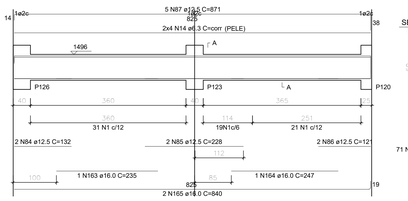

SEÇÃO A-A
ESC 1:50

## V62
ESC 1:50



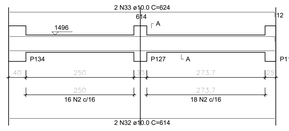

SEÇÃO A-A
ESC 1:50

## V63
ESC 1:50



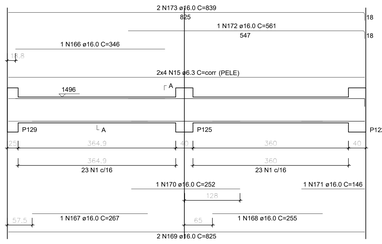

SEÇÃO A-A
ESC 1:50

## V64
ESC 1:50



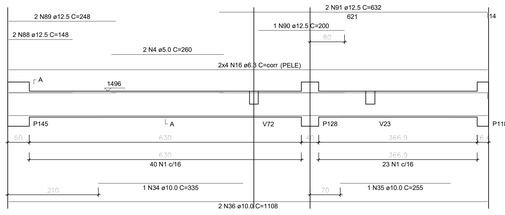

SEÇÃO A-A
ESC 1:50

## V65
ESC 1:50



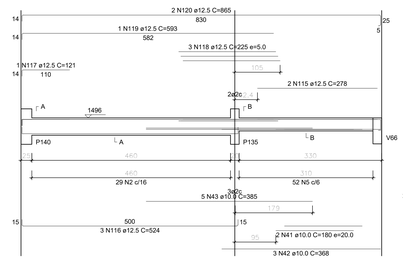

SEÇÃO A-A
ESC 1:50

## V66
ESC 1:50




SEÇÃO A-A
ESC 1:50

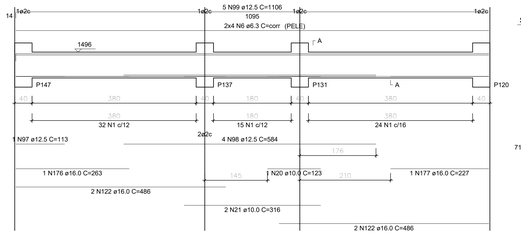
## V72
ESC 1:50




SEÇÃO A-A
ESC 1:50

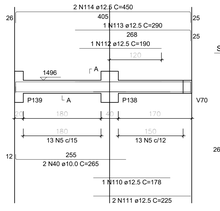
SEÇÃO B-B
ESC 1:50

## V69
ESC 1:50



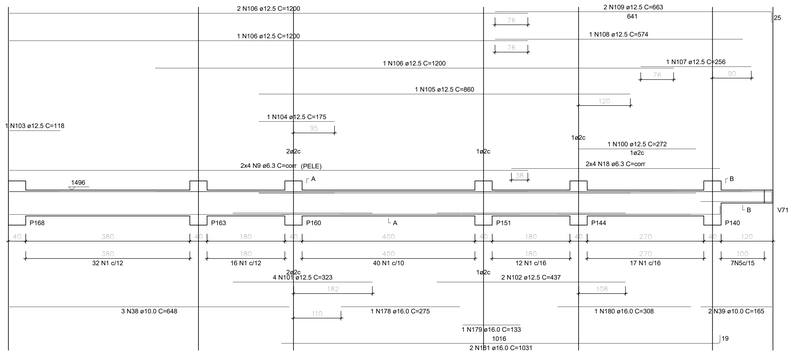

SEÇÃO A-A
ESC 1:50

## V71
ESC 1:50




SEÇÃO A-A
ESC 1:50

## V70
ESC 1:50




SEÇÃO A-A
ESC 1:50

SEÇÃO B-B
ESC 1:50

# DETALHAMENTO DAS VIGAS DO PAV3-PISO5

ESCALA 1:50

FORMATO A0 - INTERNO: 1049 x 821 mm.
EXTERNO: 1189 x 841 mm.

PROJETO ESTRUTURAL
PRÉDIO NOVO DA ODONTOLOGIA - UESC - ALFENAS-MG


UNIVERSIDADE FEDERAL DE ALFENAS
Rua Gabriel Monteiro da Silva, 700 - Centro
37130-000 Alfenas MG
https://www.unifal-mg.edu.br


DETALHAMENTOS
PAV3-PISO5 (1496cm)
VIGAS

Escala: 1/50
DESENHO 01
Desenho:
Revisão: 0
Data: 25/07/2023
Unidade: cm
FOLHA 58/94