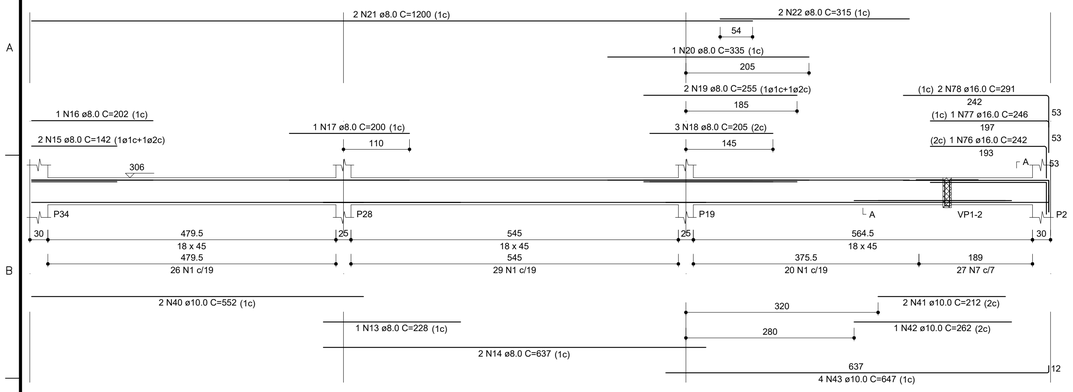
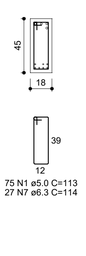
## VP1-16 (18 x 45)
ESCALA 1:50

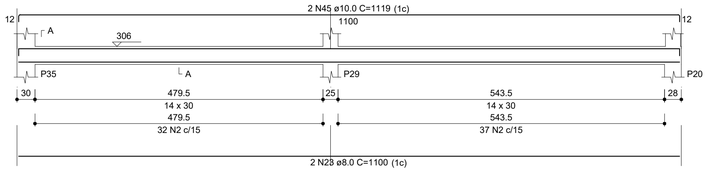



SEÇÃO A-A
ESCALA 1:25

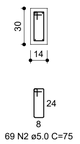



SUSPENSÃO VP1-2
ESCALA 1:25

## VP1-17 (14 x 30)
ESCALA 1:50




SEÇÃO A-A
ESCALA 1:25




RELAÇÃO DO AÇO

| | | |
|---|---|---|
| VP1-16 | VP1-17 | VP1-18 |
| VP1-19 | VP1-20 | VP1-22 |
| VP1-23 | VP1-24 | VP1-25 |
| VP1-26 | VP1-27 | VP1-30 |

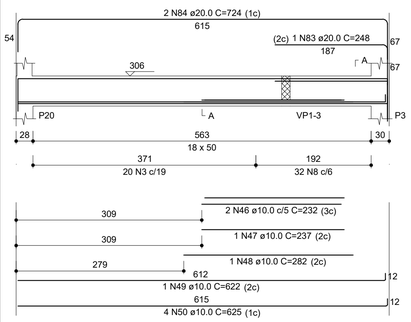
| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 185 | 113 | 20905 |
| | 2 | 5.0 | 216 | 75 | 16200 |
| | 3 | 5.0 | 20 | 123 | 2460 |
| | 4 | 5.0 | 56 | 119 | 6664 |
| | 5 | 5.0 | 30 | 105 | 3150 |
| | 6 | 5.0 | 53 | 117 | 6201 |
| CA50 | 7 | 6.3 | 27 | 114 | 3078 |
| | 8 | 6.3 | 32 | 124 | 3968 |
| | 9 | 6.3 | 6 | 622 | 3732 |
| | 10 | 6.3 | 6 | 251 | 1506 |
| | 11 | 6.3 | 1 | 69 | 69 |
| | 12 | 6.3 | 2 | 68 | 136 |
| | 13 | 8.0 | 1 | 228 | 228 |
| | 14 | 8.0 | 2 | 637 | 1274 |
| | 15 | 8.0 | 2 | 142 | 284 |
| | 16 | 8.0 | 1 | 202 | 202 |
| | 17 | 8.0 | 1 | 200 | 200 |
| | 18 | 8.0 | 3 | 205 | 615 |
| | 19 | 8.0 | 2 | 255 | 510 |
| | 20 | 8.0 | 1 | 335 | 335 |
| | 21 | 8.0 | 2 | 1200 | 2400 |
| | 22 | 8.0 | 2 | 315 | 630 |
| | 23 | 8.0 | 2 | 1100 | 2200 |
| | 24 | 8.0 | 1 | 123 | 123 |
| | 25 | 8.0 | 1 | 136 | 136 |
| | 26 | 8.0 | 2 | 656 | 1312 |
| | 27 | 8.0 | 1 | 788 | 788 |
| | 28 | 8.0 | 2 | 1093 | 2186 |
| | 29 | 8.0 | 8 | 285 | 2280 |
| | 30 | 8.0 | 6 | 420 | 2520 |
| | 31 | 8.0 | 3 | 607 | 1821 |
| | 32 | 8.0 | 1 | 418 | 418 |
| | 33 | 8.0 | 2 | 628 | 1256 |
| | 34 | 8.0 | 1 | 322 | 322 |
| | 35 | 8.0 | 1 | 246 | 246 |
| | 36 | 8.0 | 2 | 821 | 1642 |
| | 37 | 8.0 | 3 | 189 | 567 |
| | 38 | 8.0 | 1 | 173 | 173 |
| | 39 | 8.0 | 2 | 221 | 442 |
| | 40 | 10.0 | 4 | 552 | 2208 |
| | 41 | 10.0 | 2 | 212 | 424 |
| | 42 | 10.0 | 1 | 262 | 262 |
| | 43 | 10.0 | 4 | 647 | 2588 |
| | 44 | 10.0 | 2 | 183 | 366 |
| | 45 | 10.0 | 2 | 1119 | 2238 |
| | 46 | 10.0 | 2 | 232 | 464 |
| | 47 | 10.0 | 1 | 237 | 237 |
| | 48 | 10.0 | 1 | 282 | 282 |
| | 49 | 10.0 | 1 | 622 | 622 |
| | 50 | 10.0 | 4 | 625 | 2500 |
| | 51 | 10.0 | 3 | 277 | 831 |
| | 52 | 10.0 | 2 | 421 | 842 |
| | 53 | 10.0 | 1 | 471 | 471 |
| | 54 | 10.0 | 3 | 622 | 1866 |
| | 55 | 10.0 | 2 | 112 | 224 |
| | 56 | 10.0 | 1 | 157 | 157 |
| | 57 | 10.0 | 1 | 160 | 160 |
| | 58 | 10.0 | 1 | 110 | 110 |
| | 59 | 10.0 | 1 | 185 | 185 |
| | 60 | 10.0 | 2 | 1112 | 2224 |
| | 61 | 10.0 | 1 | 245 | 245 |
| | 62 | 10.0 | 2 | 423 | 846 |
| | 63 | 10.0 | 1 | 177 | 177 |
| | 64 | 10.0 | 1 | 130 | 130 |
| | 65 | 10.0 | 2 | 1112 | 2224 |
| | 66 | 10.0 | 3 | 562 | 1686 |
| | 67 | 10.0 | 2 | 160 | 320 |
| | 68 | 10.0 | 2 | 280 | 560 |
| | 69 | 10.0 | 1 | 185 | 185 |
| | 70 | 10.0 | 2 | 1188 | 2376 |
| | 71 | 10.0 | 2 | 209 | 418 |
| | 72 | 12.5 | 1 | 465 | 465 |
| | 73 | 12.5 | 2 | 473 | 946 |
| | 74 | 12.5 | 3 | 340 | 1020 |
| | 75 | 12.5 | 2 | 670 | 1340 |
| | 76 | 16.0 | 1 | 242 | 242 |
| | 77 | 16.0 | 1 | 246 | 246 |
| | 78 | 16.0 | 2 | 291 | 582 |
| | 79 | 16.0 | 1 | 185 | 185 |
| | 80 | 16.0 | 2 | 499 | 998 |
| | 81 | 16.0 | 1 | 224 | 224 |
| | 82 | 16.0 | 2 | 498 | 996 |
| | 83 | 20.0 | 1 | 248 | 248 |
| | 84 | 20.0 | 2 | 724 | 1448 |

RESUMO DO AÇO

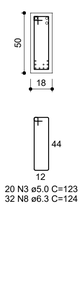
| AÇO | DIAM (mm) | C.TOTAL (m) | QUANT + 10% (Barras) | PESO + 10% (kg) |
|---|---|---|---|---|
| CA50 | 6.3 | 124.9 | 12 | 33.6 |
| | 8.0 | 251.1 | 24 | 109 |
| | 10.0 | 284.3 | 27 | 192.8 |
| | 12.5 | 37.7 | 4 | 40 |
| | 16.0 | 34.7 | 4 | 60.3 |
| | 20.0 | 17 | 2 | 46 |
| CA60 | 5.0 | 555.8 | 51 | 94.2 |
| PESO TOTAL (kg) | | | | |
| CA50 | 481.7 | | | |
| CA60 | 94.2 | | | |

Volume de concreto (C-30) = 6.17 m³
Área de forma = 70.77 m²

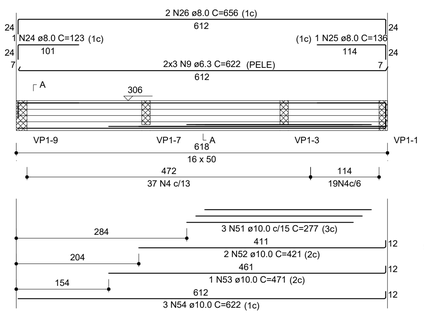
## VP1-18 (18 x 50)
ESCALA 1:50



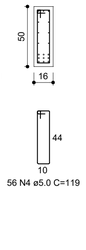

SEÇÃO A-A
ESCALA 1:25



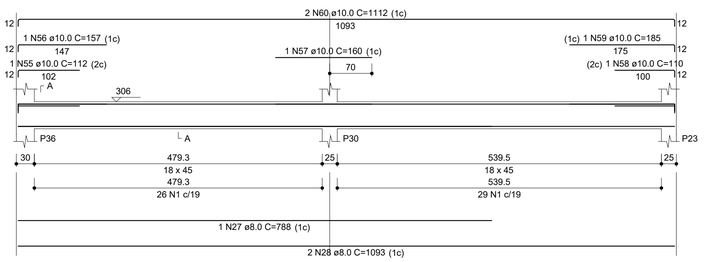

## VP1-19 (16 x 50)
ESCALA 1:50



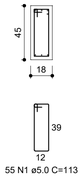

SEÇÃO A-A
ESCALA 1:25



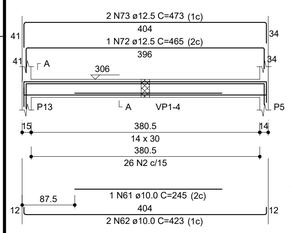

## VP1-20 (18 x 45)
ESCALA 1:50



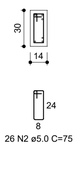

SEÇÃO A-A
ESCALA 1:25



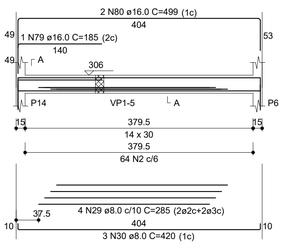

## VP1-22 (14 x 30)
ESCALA 1:50



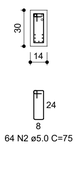

SEÇÃO A-A
ESCALA 1:25



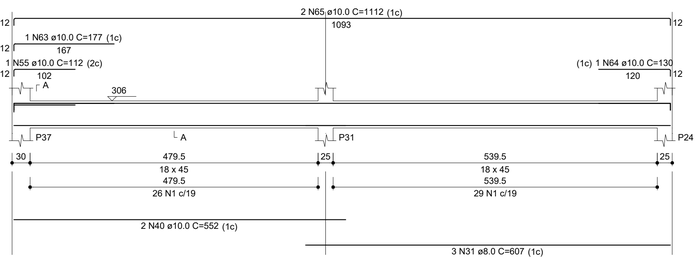

## VP1-23 (14 x 30)
ESCALA 1:50



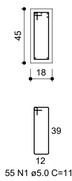

SEÇÃO A-A
ESCALA 1:25



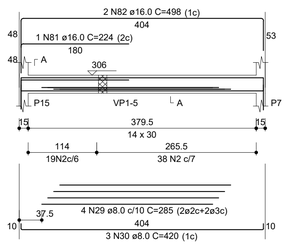

## VP1-24 (18 x 45)
ESCALA 1:50



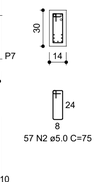

SEÇÃO A-A
ESCALA 1:25



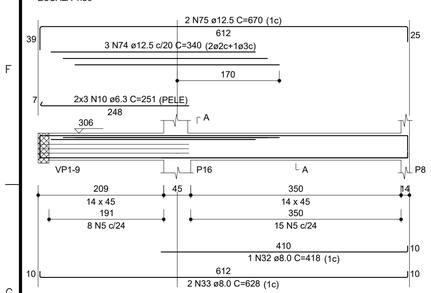

## VP1-25 (14 x 30)
ESCALA 1:50



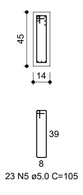

SEÇÃO A-A
ESCALA 1:25



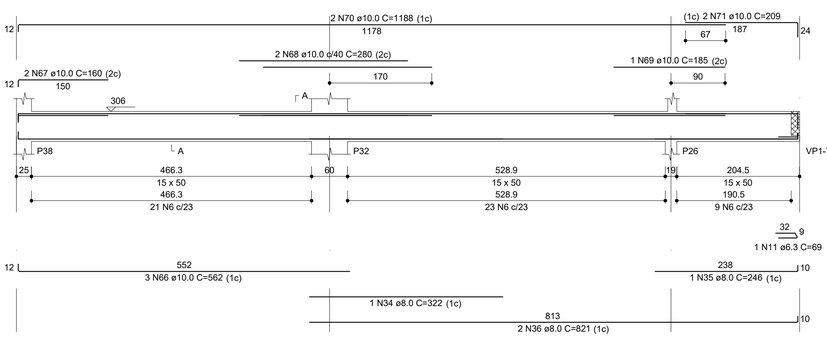

## VP1-26 (14 x 45)
ESCALA 1:50



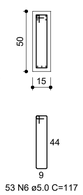

SEÇÃO A-A
ESCALA 1:25



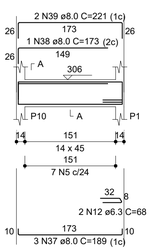

## VP1-27 (15 x 50)
ESCALA 1:50



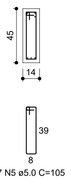

SEÇÃO A-A
ESCALA 1:25




## VP1-30 (14 x 45)
ESCALA 1:50




SEÇÃO A-A
ESCALA 1:25




| N° | DISCRIMINAÇÃO DAS REVISÕES | DATA | APROVAÇÃO |
|---|---|---|---|
| <> | <> | <> | <> |

Obra

Projeto: Yago Castelo Branco de Carvalho 1916859836

Proprietário

Projeto: Projeto Estrtural

Descriminoção: Planta de armação pilares lance 01

Folha: 02

Conj.: 26 | Fla./Conj.: 4

Data: 08/12/2021 | Escala: Indicada | Desenho: Yago Castelo | Conferência: Yago Castelo