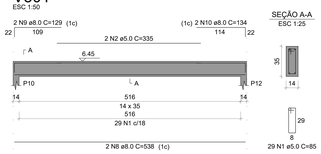
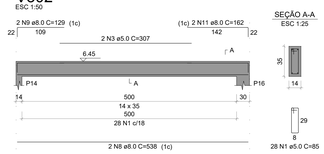
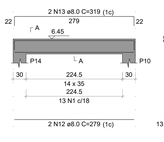
## V301
ESC 1:50



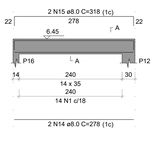

## V302
ESC 1:50



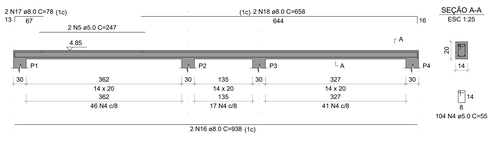

## V303
ESC 1:50



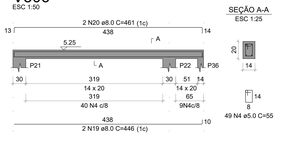

## V304
ESC 1:50



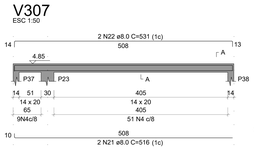

## V305
ESC 1:50



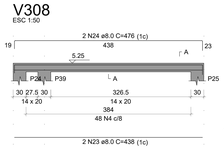

## V306
ESC 1:50



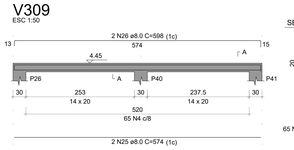

## V307
ESC 1:50



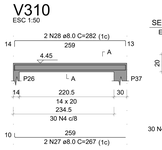

## V308
ESC 1:50



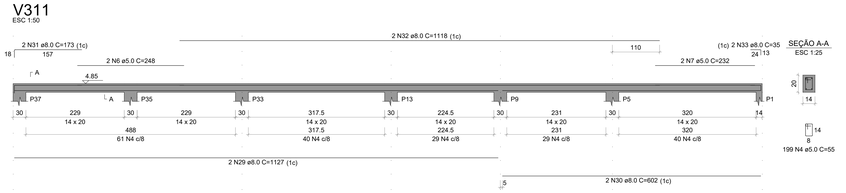

## V309
ESC 1:50




## V310
ESC 1:50




## V311
ESC 1:50




## V312
ESC 1:50




## V313
ESC 1:50




## V314
ESC 1:50




## V315
ESC 1:50




## V316
ESC 1:50




RELAÇÃO DO AÇO

| V301 | V302 | V303 |
|---|---|---|
| V304 | V305 | V306 |
| V307 | V308 | V309 |
| V310 | V311 | V312 |
| V313 | V314 | V315 |
| V316 | | |

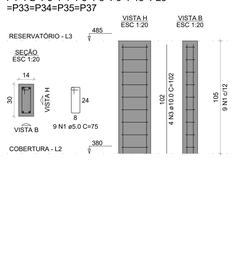
| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 84 | 85 | 7140 |
| | 2 | 5.0 | 2 | 335 | 670 |
| | 3 | 5.0 | 2 | 307 | 614 |
| | 4 | 5.0 | 796 | 55 | 43780 |
| | 5 | 5.0 | 2 | 247 | 494 |
| | 6 | 5.0 | 2 | 232 | 464 |
| | 7 | 5.0 | 2 | 232 | 464 |
| CA50 | 8 | 8.0 | 4 | 538 | 2152 |
| | 9 | 8.0 | 4 | 129 | 516 |
| | 10 | 8.0 | 2 | 134 | 268 |
| | 11 | 8.0 | 2 | 162 | 324 |
| | 12 | 8.0 | 2 | 279 | 558 |
| | 13 | 8.0 | 2 | 319 | 638 |
| | 14 | 8.0 | 2 | 278 | 556 |
| | 15 | 8.0 | 2 | 318 | 636 |
| | 16 | 8.0 | 2 | 938 | 1876 |
| | 17 | 8.0 | 2 | 78 | 156 |
| | 18 | 8.0 | 2 | 658 | 1316 |
| | 19 | 8.0 | 2 | 446 | 892 |
| | 20 | 8.0 | 2 | 461 | 922 |
| | 21 | 8.0 | 2 | 516 | 1032 |
| | 22 | 8.0 | 2 | 531 | 1062 |
| | 23 | 8.0 | 2 | 438 | 876 |
| | 24 | 8.0 | 2 | 476 | 952 |
| | 25 | 8.0 | 2 | 574 | 1148 |
| | 26 | 8.0 | 2 | 598 | 1196 |
| | 27 | 8.0 | 2 | 267 | 534 |
| | 28 | 8.0 | 2 | 1127 | 2254 |
| | 29 | 8.0 | 2 | 602 | 1204 |
| | 31 | 8.0 | 2 | 173 | 346 |
| | 32 | 8.0 | 2 | 1118 | 2236 |
| | 33 | 8.0 | 2 | 35 | 70 |
| | 34 | 8.0 | 4 | 348 | 1392 |
| | 35 | 8.0 | 2 | 377 | 754 |
| | 36 | 8.0 | 2 | 97 | 194 |
| | 37 | 8.0 | 2 | 117 | 234 |
| | 38 | 8.0 | 2 | 370 | 740 |
| | 39 | 8.0 | 2 | 704 | 1408 |
| | 40 | 8.0 | 2 | 723 | 1446 |
| | 41 | 8.0 | 2 | 619 | 1238 |
| | 42 | 8.0 | 2 | 630 | 1260 |

RESUMO DO AÇO

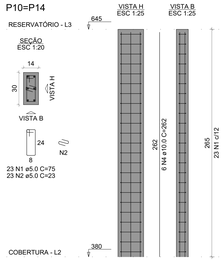
| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 0% (kg) |
|---|---|---|---|
| CA50 | 8.0 | 329.5 | 130 |
| CA60 | 5.0 | 536.6 | 82.7 |
| PESO TOTAL (kg) | | | |
| CA50 | 130 | | |
| CA60 | 82.7 | | |

Volume de concreto (C-30) = 2.79 m³
Área de forma = 52.11 m²

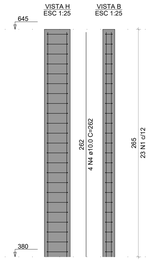
P1=P2=P3=P4=P5=P8=P9=P13=P23=
=P33=P34=P35=P37



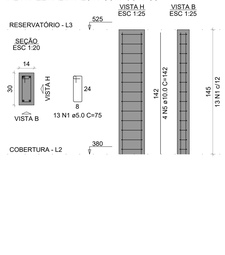

P10=P14



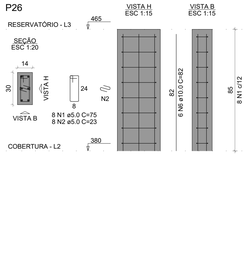

P12=P16



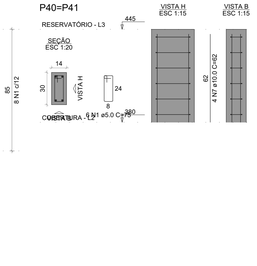

P21=P22=P24=P25=P36=P38=P39




P26




P40=P41




RELAÇÃO DO AÇO

| 13xP1 7xP21 | 2xP10 P26 | 2xP12 2xP40 |
|---|---|---|

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 320 | 75 | 24000 |
| | 2 | 5.0 | 54 | 23 | 1242 |
| CA50 | 3 | 10.0 | 52 | 102 | 5304 |
| | 4 | 10.0 | 20 | 262 | 5240 |
| | 5 | 10.0 | 28 | 142 | 3976 |
| | 6 | 10.0 | 6 | 82 | 492 |
| | 7 | 10.0 | 8 | 62 | 496 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 0% (kg) |
|---|---|---|---|
| CA50 | 10.0 | 155.1 | 95.6 |
| CA60 | 5.0 | 252.4 | 38.9 |
| PESO TOTAL (kg) | | | |
| CA50 | 95.6 | | |
| CA60 | 38.9 | | |

Volume de concreto (C-30) = 1.54 m³
Área de forma = 32.16 m²

Força Horizontal Máxima: 17KN
Momento Fletor Máxima: 20KN.m

NOTAS:

LEGENDA:

ARTICULAÇÃO:

| REV. | DESCRIÇÃO | DATA | EXEC. | VERIF. |
|---|---|---|---|---|
| 1 | REVISÃO DA PROFUNDIDADE DA ESTACA | 05/07/22 | MRC | MCR |
| 0 | EMISSÃO INICIAL | 26/05/22 | MRC | MCR |

CONTRATANTE
**CONSÓRCIO QUANTA / TETRIS / FLEX**
CONTRATO Nº 006/2022

| | | |
|---|---|---|
| EXEC. | MRC | 26/05/22 |
| DES. | MRC | 26/05/22 |
| VER. | MCR | 26/05/22 |

MARCOS CAMARA REBELO - CREA/RJ - 200727911-8

PREFEITURA SAQUAREMA
TRABALHO E RESPEITO

**SECRETARIA MUNICIPAL DE DESENVOLVIMENTO ECONÔMICO**

TÍTULO
**COMPLEXO EDUCACIONAL - PALMITAL - APOIO EDUCACIONAL**
**PROJETO EXECUTIVO ESTRUTURAL**
DESCRIÇÃO:VIGA - PILAR (RESERVATÓRIO)

| | | | |
|---|---|---|---|
| LOCAL: ESTRADA LATINO MELO - BAIRRO DE PALMITAL, 2º DISTRITO - SAQUAREMA - RJ | ARQ. ELETRÔNICO: SQ_OS012_PALMITAL_AE_PE_EST_R01 | | |
| Nº: PD004-SBP004 | ESCALA: INDICADA | DATA: JULHO/2022 | PRANCHA: 07/07 |