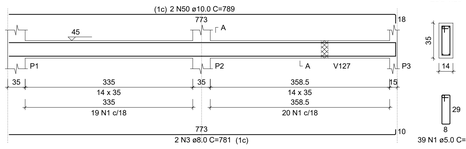
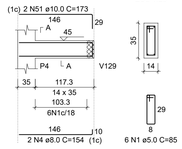
## V101
ESC 1:50




SEÇÃO A-A
ESC 1:25



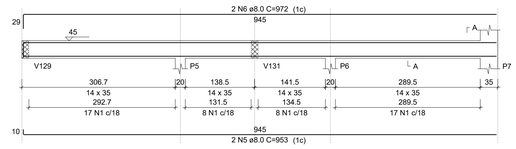

## V102
ESC 1:50



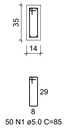

SEÇÃO A-A
ESC 1:25



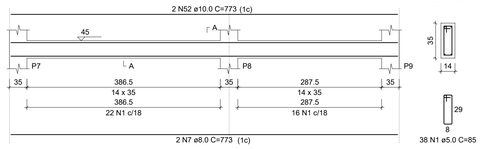

## V103
ESC 1:50




SEÇÃO A-A
ESC 1:25



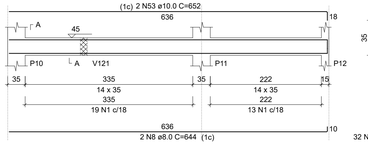

## V104
ESC 1:50



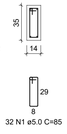

SEÇÃO A-A
ESC 1:25



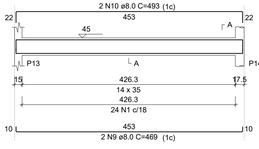

## V105
ESC 1:50



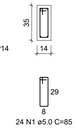

SEÇÃO A-A
ESC 1:25



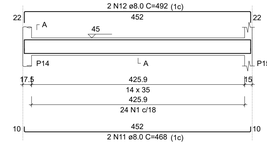

## V106
ESC 1:50



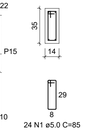

SEÇÃO A-A
ESC 1:25



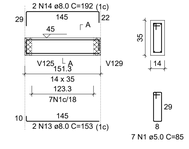

## V107
ESC 1:50




SEÇÃO A-A
ESC 1:25



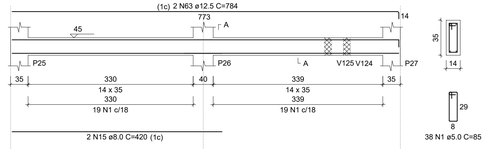

## V108
ESC 1:50




SEÇÃO A-A
ESC 1:25



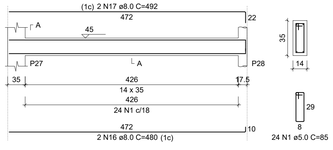

## V109
ESC 1:50




SEÇÃO A-A
ESC 1:25



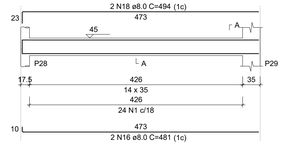

## V110
ESC 1:50



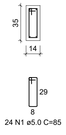

SEÇÃO A-A
ESC 1:25



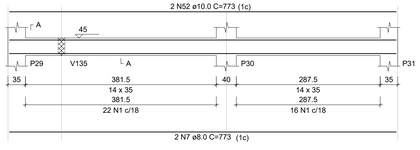

## V111
ESC 1:50



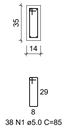

SEÇÃO A-A
ESC 1:25



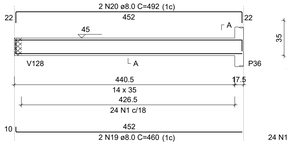

## V112
ESC 1:50



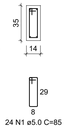

SEÇÃO A-A
ESC 1:25



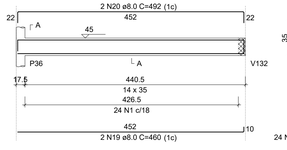

## V113
ESC 1:50



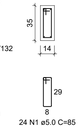

SEÇÃO A-A
ESC 1:25



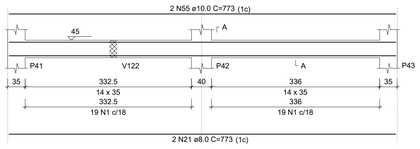

## V114
ESC 1:50



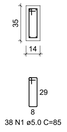

SEÇÃO A-A
ESC 1:25



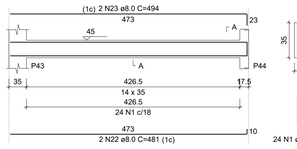

## V115
ESC 1:50



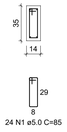

SEÇÃO A-A
ESC 1:25



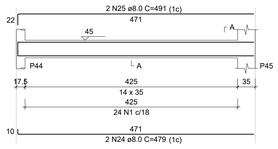

## V116
ESC 1:50



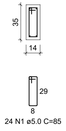

SEÇÃO A-A
ESC 1:25



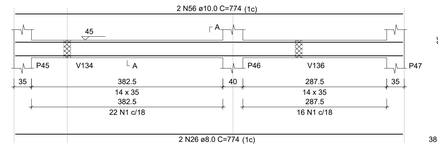

## V117
ESC 1:50



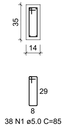

SEÇÃO A-A
ESC 1:25



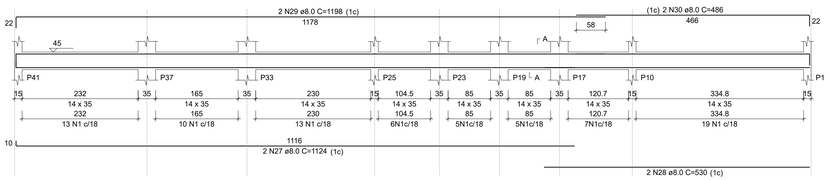

## V118
ESC 1:50



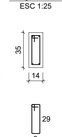

SEÇÃO A-A
ESC 1:25



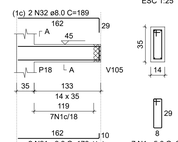

## V120
ESC 1:50




SEÇÃO A-A
ESC 1:25




## V121
ESC 1:50




SEÇÃO A-A
ESC 1:25




## V122
ESC 1:50




SEÇÃO A-A
ESC 1:25




RELAÇÃO DO AÇO

| | | |
|---|---|---|
| V101 | V102 | V103 |
| V104 | V105 | V106 |
| V107 | V108 | V109 |
| V110 | V111 | V112 |
| V113 | V114 | V115 |
| V116 | V117 | V118 |
| V120 | V121 | V122 |
| V123 | V124 | V125 |
| V126 | V127 | V128 |
| V129 | V130 | |

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 809 | 85 | 68765 |
| | 2 | 5.0 | 2 | 270 | 540 |
| CA50 | 3 | 8.0 | 2 | 781 | 1562 |
| | 4 | 8.0 | 2 | 154 | 308 |
| | 5 | 8.0 | 2 | 953 | 1906 |
| | 6 | 8.0 | 2 | 972 | 1944 |
| | 7 | 8.0 | 4 | 773 | 3092 |
| | 8 | 8.0 | 2 | 644 | 1288 |
| | 9 | 8.0 | 2 | 469 | 938 |
| | 10 | 8.0 | 2 | 493 | 986 |
| | 11 | 8.0 | 2 | 468 | 936 |
| | 12 | 8.0 | 2 | 492 | 984 |
| | 13 | 8.0 | 2 | 153 | 306 |
| | 14 | 8.0 | 2 | 192 | 384 |
| | 15 | 8.0 | 2 | 420 | 840 |
| | 16 | 8.0 | 4 | 480 | 1920 |
| | 17 | 8.0 | 2 | 492 | 984 |
| | 18 | 8.0 | 2 | 494 | 988 |
| | 19 | 8.0 | 4 | 460 | 1840 |
| | 20 | 8.0 | 4 | 492 | 1968 |
| | 21 | 8.0 | 2 | 773 | 1546 |
| | 22 | 8.0 | 2 | 481 | 962 |
| | 23 | 8.0 | 2 | 494 | 988 |
| | 24 | 8.0 | 2 | 479 | 958 |
| | 25 | 8.0 | 2 | 491 | 982 |
| | 26 | 8.0 | 2 | 774 | 1548 |
| | 27 | 8.0 | 2 | 1124 | 2248 |
| | 28 | 8.0 | 2 | 530 | 1060 |
| | 29 | 8.0 | 2 | 1198 | 2396 |
| | 30 | 8.0 | 2 | 486 | 972 |
| | 31 | 8.0 | 2 | 170 | 340 |
| | 32 | 8.0 | 2 | 189 | 378 |
| | 33 | 8.0 | 2 | 442 | 884 |
| | 34 | 8.0 | 2 | 473 | 946 |
| | 35 | 8.0 | 2 | 543 | 1086 |
| | 36 | 8.0 | 2 | 157 | 314 |
| | 37 | 8.0 | 2 | 177 | 354 |
| | 38 | 8.0 | 2 | 225 | 450 |
| | 39 | 8.0 | 2 | 238 | 476 |
| | 40 | 8.0 | 2 | 179 | 358 |
| | 41 | 8.0 | 2 | 211 | 422 |
| | 42 | 8.0 | 2 | 721 | 1442 |
| | 43 | 8.0 | 2 | 185 | 370 |
| | 44 | 8.0 | 2 | 765 | 1530 |
| | 45 | 8.0 | 2 | 874 | 1748 |
| | 46 | 8.0 | 2 | 190 | 380 |
| | 47 | 8.0 | 1 | 125 | 125 |
| | 48 | 8.0 | 2 | 902 | 1804 |
| | 49 | 8.0 | 2 | 414 | 828 |
| | 50 | 10.0 | 2 | 789 | 1578 |
| | 51 | 10.0 | 2 | 173 | 346 |
| | 52 | 10.0 | 4 | 773 | 3092 |
| | 53 | 10.0 | 2 | 652 | 1304 |
| | 54 | 10.0 | 2 | 429 | 858 |
| | 55 | 10.0 | 2 | 773 | 1546 |
| | 56 | 10.0 | 2 | 774 | 1548 |
| | 57 | 10.0 | 2 | 552 | 1104 |
| | 58 | 10.0 | 2 | 534 | 1068 |
| | 59 | 10.0 | 2 | 80 | 160 |
| | 60 | 10.0 | 1 | 145 | 145 |
| | 61 | 10.0 | 2 | 220 | 440 |
| | 62 | 10.0 | 2 | 451 | 902 |
| | 63 | 12.5 | 2 | 784 | 1568 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|---|---|---|---|
| CA50 | 8.0 | 510.7 | 221.7 |
| | 10.0 | 140.9 | 95.6 |
| | 12.5 | 15.7 | 16.6 |
| CA60 | 5.0 | 693.1 | 117.5 |

| PESO TOTAL (kg) | |
|---|---|
| CA50 | 333.8 |
| CA60 | 117.5 |

Volume de concreto (C-25) = 7.91 m³
Área de forma = 135.63 m²

## V124
ESC 1:50




SEÇÃO A-A
ESC 1:25




## V125
ESC 1:50




SEÇÃO A-A
ESC 1:25




## V126
ESC 1:50




SEÇÃO A-A
ESC 1:25




## V127
ESC 1:50




SEÇÃO A-A
ESC 1:25




## V128
ESC 1:50




SEÇÃO A-A
ESC 1:25




## V129
ESC 1:50




SEÇÃO A-A
ESC 1:25




## V130
ESC 1:50




SEÇÃO A-A
ESC 1:25




## V123
ESC 1:50




SEÇÃO A-A
ESC 1:25




Obs:
01 - Planta de locação geral por ser encontrada no projeto arquitetônico, prancha 02/14;
02 - Todo espaçamento entre barras deverá ser respeitado;
03 - Cobrimento mínimo para fundações = 3cm / Cobrimento mínimo para demais elementos = 2,5cm;
04 - Todos os elementos de concreto deverão ser adensados de forma mecânizada (mangote), não é admitido adensamento manual;
05 - Prazos para desforma-> Pilares e faces laterais de vigas: 3 dias;
Face inferior de vigas: 14 dias;
Lajes: 21 dias;
Vigas com vãos superiores a 7m: 28 dias;
06 - Em vigas e lajes o processo de desforma deverá ocorrer do centro para as extremidades;
07 - Todas as lajes deverão receber uma armadura de distribuição (para combater fissuração superficial) com espaçamento de 25x25, aço 5.0mm;
08 - Toda laje deverá receber cura hidráulica por no mínimo 07 dias;

Aprovações

REALIZE
ARQUITETURA E ENGENHARIA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EMPRESA = CREA - SC 136340-7


Projeto Educacional

Endereço : Rua Antônio Manoel Rocha, Espigão Grande - Maracajá / SC

Projeto Estrutural - Bloco Norte

Vigas - térreo;

Realize Arquitetura e Engenhana
CREA-SC 136.340-4

Prefeitura Municipal de Maracajá
CNPJ nº 82.915.026/0001-24

| Escala | Data | ÁREA | Prancha |
|---|---|---|---|
| Indicada | 10 . 11 . 2021 | 367,01m² | 3/16 |