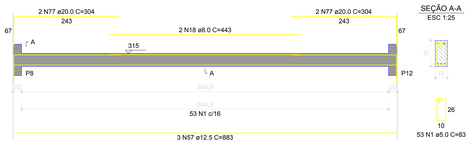
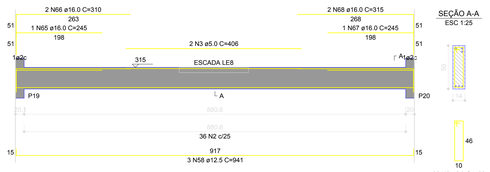
## V1
ESC 1:50



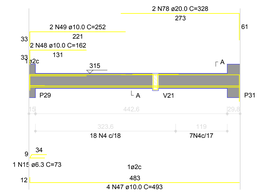

SEÇÃO A-A
ESC 1:25

## V2
ESC 1:50



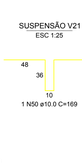

SEÇÃO A-A
ESC 1:25

## V3
ESC 1:50

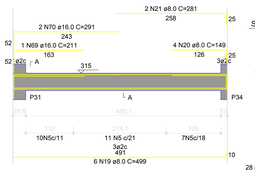



SEÇÃO A-A
ESC 1:25

SUSPENSÃO V21
ESC 1:25

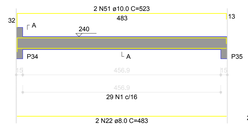



## V4
ESC 1:50




SEÇÃO A-A
ESC 1:25

## V5
ESC 1:50

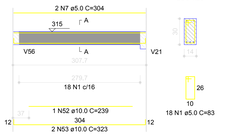



SEÇÃO A-A
ESC 1:25

## V6
ESC 1:50

SEÇÃO A-A
ESC 1:25

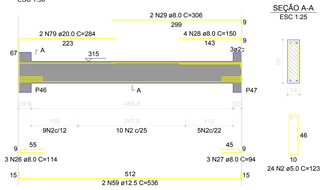
## V7
ESC 1:50




SEÇÃO A-A
ESC 1:25



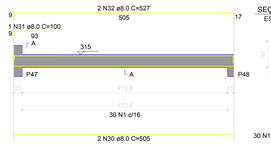

## V8
ESC 1:50




SEÇÃO A-A
ESC 1:25

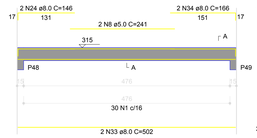



## V9
ESC 1:50



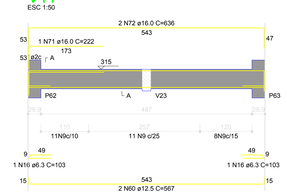

SEÇÃO A-A
ESC 1:25

## V10
ESC 1:50



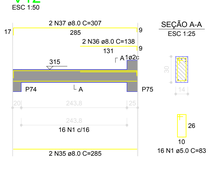

SEÇÃO A-A
ESC 1:25

## V11
ESC 1:50




SEÇÃO A-A
ESC 1:25

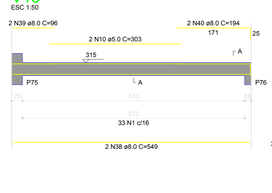
## V12
ESC 1:50




SEÇÃO A-A
ESC 1:25

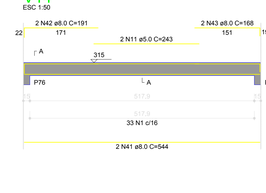



## V13
ESC 1:50



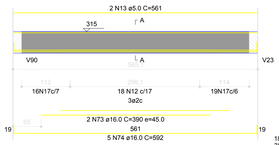

SEÇÃO A-A
ESC 1:25

## V14
ESC 1:50



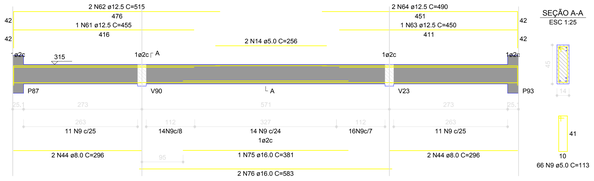

SEÇÃO A-A
ESC 1:25

## V15
ESC 1:50




SEÇÃO A-A
ESC 1:25

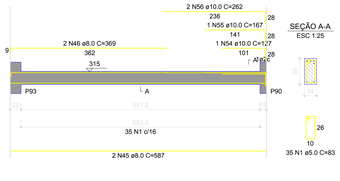
## V16
ESC 1:50




SEÇÃO A-A
ESC 1:25




## V17
ESC 1:50




SEÇÃO A-A
ESC 1:25

### RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10 V11 V12
V13 V14 V15
V16 V17

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA50 | 1 | 5.0 | 306 | 83 | 25398 |
| | 2 | 5.0 | 60 | 123 | 7380 |
| | 3 | 5.0 | 2 | 406 | 812 |
| | 4 | 5.0 | 25 | 93 | 2325 |
| | 5 | 5.0 | 28 | 103 | 2884 |
| | 6 | 5.0 | 2 | 222 | 444 |
| | 7 | 5.0 | 2 | 304 | 608 |
| | 8 | 5.0 | 2 | 241 | 482 |
| | 9 | 5.0 | 96 | 113 | 10848 |
| | 10 | 5.0 | 2 | 303 | 606 |
| | 11 | 5.0 | 2 | 243 | 486 |
| | 12 | 5.0 | 18 | 135 | 2430 |
| | 13 | 5.0 | 2 | 561 | 1122 |
| | 14 | 5.0 | 2 | 256 | 512 |
| CA50 | 15 | 6.3 | 1 | 73 | 73 |
| | 16 | 6.3 | 2 | 103 | 206 |
| | 17 | 8.0 | 2 | 136 | 4760 |
| | 18 | 8.0 | 2 | 443 | 886 |
| | 19 | 8.0 | 2 | 499 | 2994 |
| | 20 | 8.0 | 4 | 149 | 596 |
| | 21 | 8.0 | 2 | 281 | 562 |
| | 22 | 8.0 | 2 | 483 | 966 |
| | 23 | 8.0 | 2 | 483 | 966 |
| | 24 | 8.0 | 4 | 146 | 584 |
| | 25 | 8.0 | 4 | 167 | 334 |
| | 26 | 8.0 | 3 | 114 | 342 |
| | 27 | 8.0 | 3 | 94 | 282 |
| | 28 | 8.0 | 4 | 150 | 600 |
| | 29 | 8.0 | 2 | 262 | 524 |
| | 30 | 8.0 | 2 | 505 | 1010 |
| | 31 | 8.0 | 2 | 527 | 1054 |
| | 32 | 8.0 | 2 | 527 | 1054 |
| | 33 | 8.0 | 2 | 502 | 1004 |
| | 34 | 8.0 | 2 | 166 | 332 |
| | 35 | 8.0 | 2 | 389 | 778 |
| | 36 | 8.0 | 2 | 307 | 614 |
| | 37 | 8.0 | 2 | 505 | 1010 |
| | 38 | 8.0 | 2 | 99 | 198 |
| | 39 | 8.0 | 2 | 164 | 328 |
| | 40 | 8.0 | 2 | 544 | 1088 |
| | 41 | 8.0 | 2 | 168 | 336 |
| | 42 | 8.0 | 2 | 205 | 410 |
| | 43 | 8.0 | 2 | 587 | 1174 |
| | 44 | 8.0 | 4 | 493 | 1972 |
| | 45 | 8.0 | 4 | 493 | 1972 |
| | 46 | 10.0 | 2 | 252 | 504 |
| | 47 | 10.0 | 2 | 252 | 504 |
| | 48 | 10.0 | 2 | 169 | 338 |
| | 49 | 10.0 | 2 | 523 | 1046 |
| | 50 | 10.0 | 2 | 239 | 478 |
| | 51 | 10.0 | 2 | 323 | 646 |
| | 52 | 10.0 | 2 | 127 | 254 |
| | 53 | 10.0 | 2 | 167 | 334 |
| | 54 | 10.0 | 2 | 262 | 524 |
| | 55 | 10.0 | 2 | 127 | 254 |
| | 56 | 12.5 | 3 | 683 | 2049 |
| | 57 | 12.5 | 3 | 941 | 2823 |
| | 58 | 12.5 | 2 | 536 | 1072 |
| | 59 | 12.5 | 2 | 536 | 1072 |
| | 60 | 12.5 | 2 | 567 | 1134 |
| | 61 | 12.5 | 1 | 455 | 455 |
| | 62 | 12.5 | 2 | 516 | 1032 |
| | 63 | 12.5 | 1 | 450 | 450 |
| | 64 | 16.0 | 1 | 456 | 456 |
| | 65 | 16.0 | 1 | 245 | 245 |
| | 66 | 16.0 | 1 | 318 | 318 |
| | 67 | 16.0 | 1 | 245 | 245 |
| | 68 | 16.0 | 1 | 315 | 315 |
| | 69 | 16.0 | 1 | 211 | 211 |
| | 70 | 16.0 | 2 | 582 | 1164 |
| | 71 | 16.0 | 1 | 222 | 222 |
| | 72 | 16.0 | 2 | 636 | 1272 |
| | 73 | 16.0 | 2 | 390 | 780 |
| | 74 | 16.0 | 2 | 1330 | 2660 |
| | 75 | 16.0 | 1 | 381 | 381 |
| | 76 | 16.0 | 2 | 583 | 1166 |
| | 77 | 20.0 | 4 | 304 | 1216 |
| | 78 | 20.0 | 2 | 284 | 568 |
| | 79 | 20.0 | 2 | 284 | 568 |

### RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|---|---|---|---|
| CA50 | 6.3 | 50.4 | 13.6 |
| | 8.0 | 212.6 | 92.3 |
| | 10.0 | 57.2 | 38.8 |
| | 12.5 | 165.9 | 112.3 |
| | 16.0 | 95.1 | 67.1 |
| | 20.0 | 24.4 | 66.2 |
| CA60 | 5.0 | 563.4 | 95.5 |

PESO TOTAL (kg)

| | |
|---|---|
| CA50 | 484.8 |
| CA60 | 95.5 |

Volume de concreto (C-30) = 5.34 m³
Área de forma = 87.94 m²

### REVISÕES

| Rev. | Data: | Descrição |
|---|---|---|
| | | |

Elaboração:
Prefeitura Municpal de Iracema–Ceará

| | | |
|---|---|---|
| Obra: CONSTRUÇÃO DO MERCADO PÚBLICO DE IRACEMA – CE | | Projeto: ESTRUTURAL |
| Local: Avenida Projetada, S/N, Bairro Centro, Iracema–CE Iracema–Ceará | | Categoria: – |
| Resp. Projeto: Ricardo Costa Moura Engº Civil RNP: 060706990-2 Ricardo C. Moura CREA 11.590–D | Identificação dos Desenhos: PAVIMENTO SUPERIOR: VIGAS | Prancha: 06/14 |
| | Desenho: – / Escala: INDICADA | Data: AGOSTO/2018 |