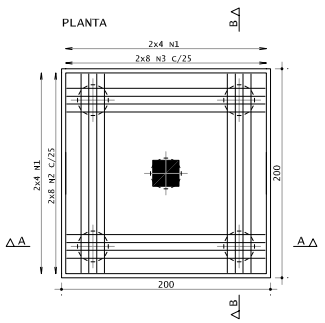
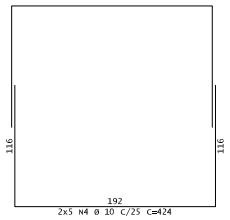
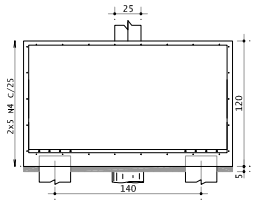
## B35
(ESCALA 1:25)

PLANTA

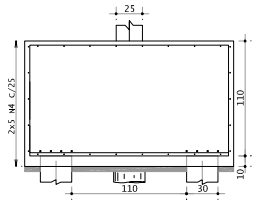


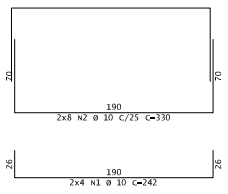



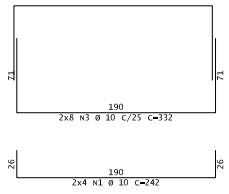

CORTE A – A




CORTE B – B



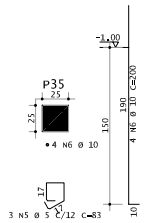







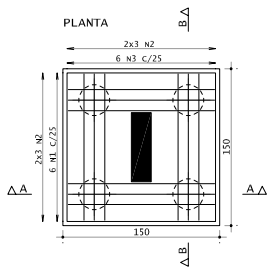


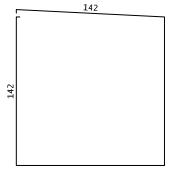

P35



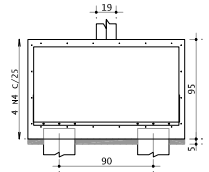

## B15
(ESCALA 1:25)

PLANTA

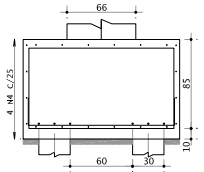


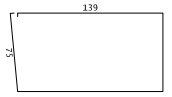



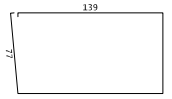

CORTE A – A




CORTE B – B



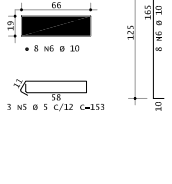







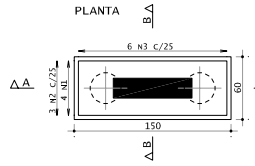


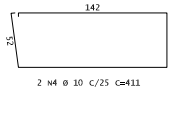

P17



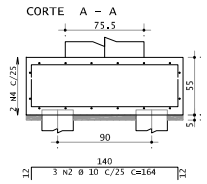

## B14
(ESCALA 1:25)

PLANTA

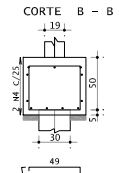


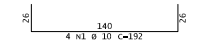




CORTE A – A

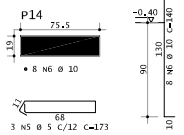



CORTE B – B




P14

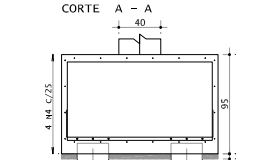


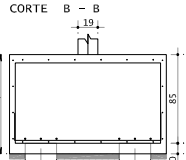

| AÇO | POS | BIT (mm) | QUANT | COMPRIMENTO UNIT (cm) | COMPRIMENTO TOTAL (cm) |
|---|---|---|---|---|---|
| B1 | | | | | |
| 50A | 1 | 10 | 3 | 181 | 543 |
| 50A | 2 | 10 | 3 | 185 | 555 |
| 50A | 3 | 10 | 2 | 231 | 462 |
| 60A | 4 | 5 | 2 | 59 | 118 |
| 50A | 5 | 10 | 4 | 130 | 520 |
| B3 | | | | | |
| 50A | 1 | 10 | 5 | 192 | 960 |
| 50A | 2 | 10 | 3 | 164 | 492 |
| 50A | 3 | 10 | 6 | 205 | 1230 |
| 50A | 4 | 10 | 2 | 411 | 822 |
| 60A | 5 | 5 | 3 | 83 | 249 |
| 50A | 6 | 10 | 4 | 140 | 560 |
| B8 | | | | | |
| 50A | 1 | 10 | 9 | 182 | 1638 |
| 50A | 2 | 10 | 12 | --VAR-- | 2244 |
| 50A | 3 | 10 | 3 | 473 | 1419 |
| 50A | 4 | 10 | 12 | --VAR-- | 2208 |
| 50A | 5 | 5 | 3 | 101 | 303 |
| 50A | 6 | 10 | 6 | 150 | 900 |
| B14 | | | | | |
| 50A | 1 | 10 | 4 | 192 | 768 |
| 50A | 2 | 10 | 3 | 164 | 492 |
| 50A | 3 | 10 | 6 | 205 | 1230 |
| 50A | 4 | 10 | 2 | 411 | 822 |
| 60A | 5 | 5 | 3 | 173 | 519 |
| 50A | 6 | 10 | 8 | 140 | 1120 |
| B15 | | | | | |
| 50A | 1 | 10 | 6 | 451 | 2706 |
| 50A | 2 | 10 | 12 | 192 | 2304 |
| 50A | 3 | 10 | 6 | 455 | 2730 |
| 50A | 4 | 10 | 4 | 591 | 2364 |
| 60A | 5 | 5 | 3 | 153 | 459 |
| 50A | 6 | 10 | 8 | 175 | 1400 |
| B18 | | | | | |
| 50A | 1 | 12,5 | 4 | 204 | 816 |
| 50A | 2 | 10 | 3 | 164 | 492 |
| 50A | 3 | 10 | 6 | 205 | 1230 |
| 50A | 4 | 10 | 2 | 411 | 822 |
| 60A | 5 | 5 | 3 | 81 | 243 |
| 50A | 6 | 10 | 10 | 140 | 1400 |
| B19 | | | | | |
| 50A | 1 | 10 | 9 | 182 | 1638 |
| 50A | 2 | 10 | 12 | --VAR-- | 2244 |
| 50A | 3 | 10 | 3 | 473 | 1419 |
| 50A | 4 | 10 | 12 | --VAR-- | 2208 |
| 60A | 5 | 5 | 3 | 91 | 273 |
| 50A | 6 | 10 | 4 | 150 | 600 |
| B22 | | | | | |
| 50A | 1 | 10 | 6 | 451 | 2706 |
| 50A | 2 | 10 | 12 | 192 | 2304 |
| 50A | 3 | 10 | 6 | 455 | 2730 |
| 50A | 4 | 10 | 4 | 591 | 2364 |
| 60A | 5 | 5 | 3 | 101 | 303 |
| 50A | 6 | 10 | 6 | 175 | 1050 |
| B34 | | | | | |
| 50A | 1 | 12,5 | 4 | 204 | 816 |
| 50A | 2 | 10 | 3 | 164 | 492 |
| 50A | 3 | 10 | 6 | 205 | 1230 |
| 50A | 4 | 10 | 2 | 411 | 822 |
| 60A | 5 | 5 | 3 | 101 | 303 |
| 50A | 6 | 10 | 6 | 140 | 840 |
| B35 | | | | | |
| 50A | 1 | 10 | 16 | 242 | 3872 |
| 50A | 2 | 10 | 16 | 330 | 5280 |
| 50A | 3 | 10 | 16 | 332 | 5312 |
| 50A | 4 | 10 | 10 | 424 | 4240 |
| 60A | 5 | 5 | 3 | 83 | 249 |
| 50A | 6 | 10 | 4 | 200 | 800 |

| RESUMO AÇO CA 50-60 | | | |
|---|---|---|---|
| AÇO | BIT (mm) | COMPR (m) | PESO (kg) |
| 60A | 5 | 30 | 5 |
| 50A | 10 | 766 | 473 |
| 50A | 12,5 | 16 | 26 |
| Peso Total | 60A = | | 5 kg |
| Peso Total | 50A = | | 488 kg |

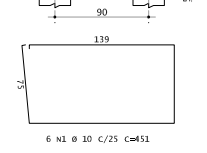
## B22
(ESCALA 1:25)

PLANTA

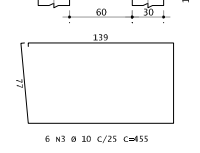


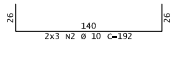



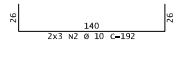

CORTE A – A




CORTE B – B



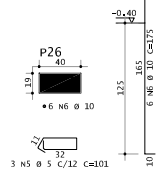







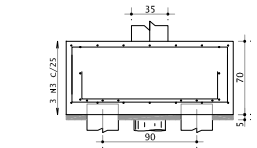


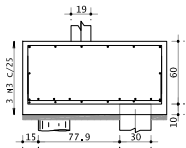

P26



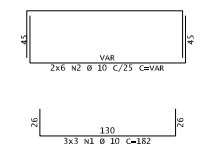

## B19
(ESCALA 1:25)

PLANTA

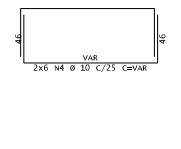



CORTE A – A



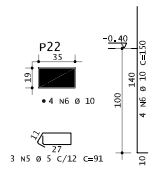

CORTE B – B





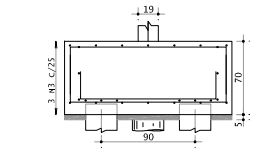


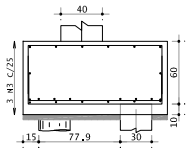
P22



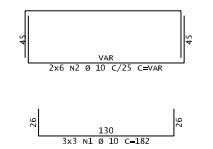

## B8
(ESCALA 1:25)

PLANTA

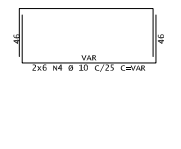



CORTE A – A



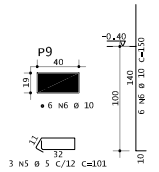

CORTE B – B





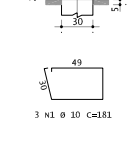


P9




## B1
(ESCALA 1:25)

PLANTA







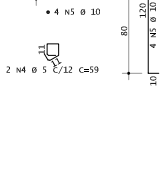
CORTE A – A




CORTE B – B

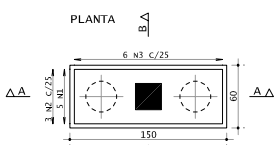


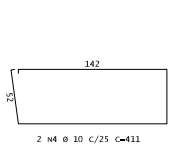

P1



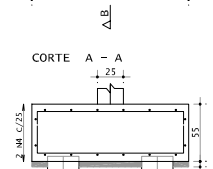

## B3
(ESCALA 1:25)

PLANTA

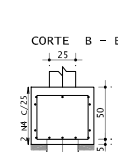



CORTE A – A



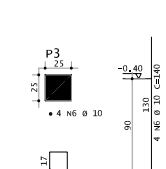

CORTE B – B





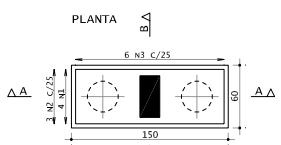


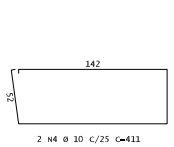
P3



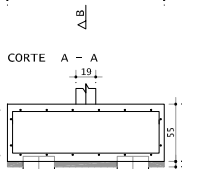

## B34
(ESCALA 1:25)

PLANTA

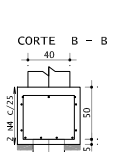



CORTE A – A



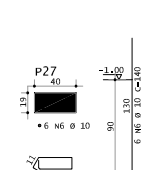

CORTE B – B





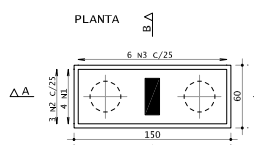


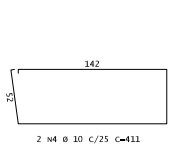
P27



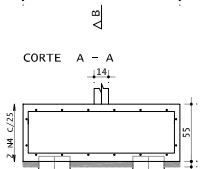

## B18
(ESCALA 1:25)

PLANTA

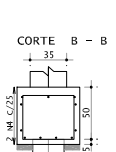



CORTE A – A



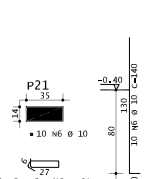

CORTE B – B







P21

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| DISCIPLINA | FOLHA | ARQUIVO ELETRÔNICO | REVISÃO | DATA | OBSERVAÇÃO |
| ARQUIVOS DE REFERÊNCIA - COMPLEMENTARES | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| A | E | 01/02/2019 | PY | C.OLIVEIRA | ----- |
| REV. | TIPO DE EMIS. | DATA | ELABORADO POR | VERIFICADO POR | VALIDADO POR |

PARA APROVAÇÃO

EMISSÃO EM REVISÃO

(A) PRELIMINAR (B) PARA APROVAÇÃO (C) PARA INFORMAÇÃO (D) PARA COTAÇÃO (E) APROVADO PARA CONSTRUÇÃO (F) COMO CONSTRUÍDO (G) CANCELADO

OBRA

PROJETO EXECUTIVO - ESTRUTURAL - ARMAÇÃO, BLOCOS E ARRANQUES - Construção da Base de Pronta Resposta do Porto do Itaqui, localizada na Ponta da Espera

Nº OBRA 2018.13-DE-EST-2109-0005 DATA JANEIRO/19 REVISÃO A

PROJETO ESTRUTURAL - BASE DE PRONTA RESPOSTA - PONTA DA ESPERA

PROJETISTA C.OLIVEIRA ORGÃO/Nº 5063315792 VALIDADO/VISADO

RESP. TÉCNICO Engª Vera L.F.B. CONTRATADA ESCALA INDICADAS FOLHA/PRANCHA 05/15