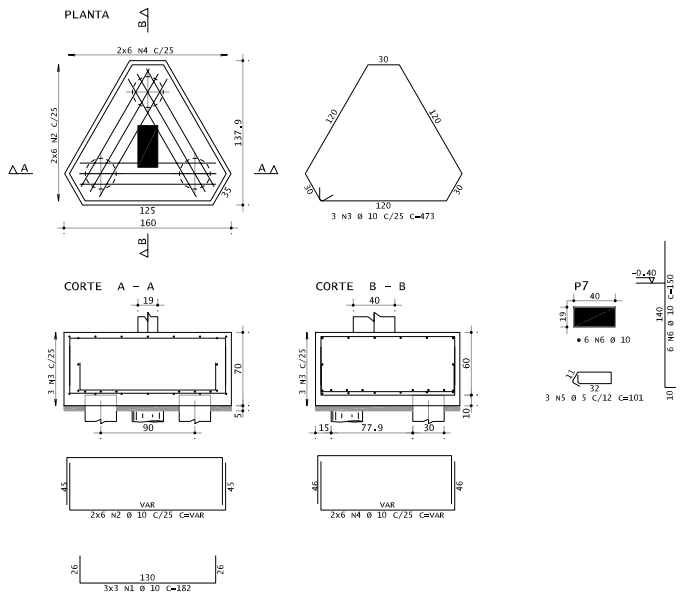
B7
(ESCALA 1:25)



B24
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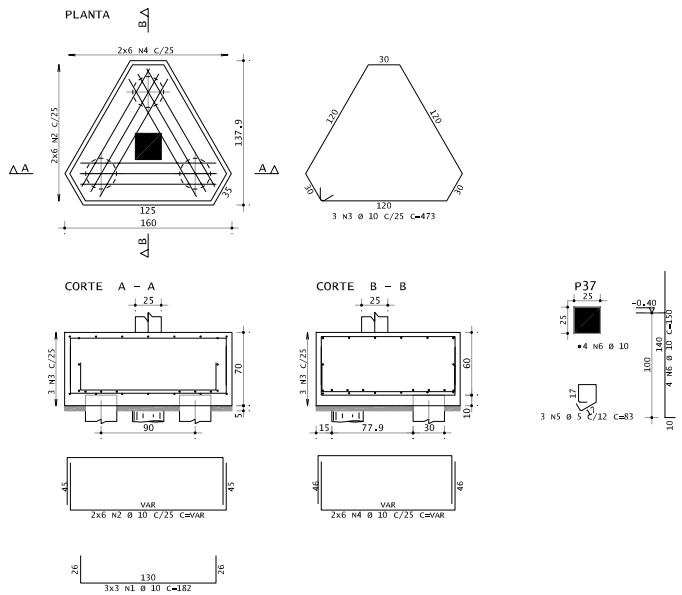

B4
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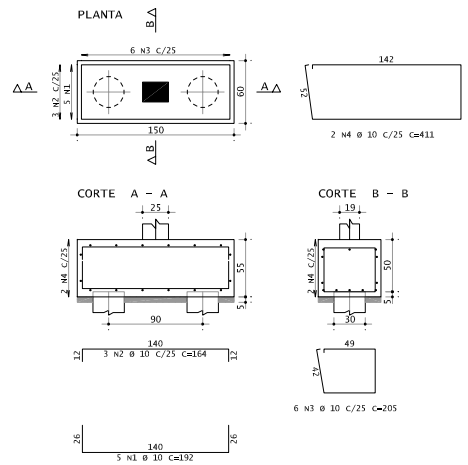

B5
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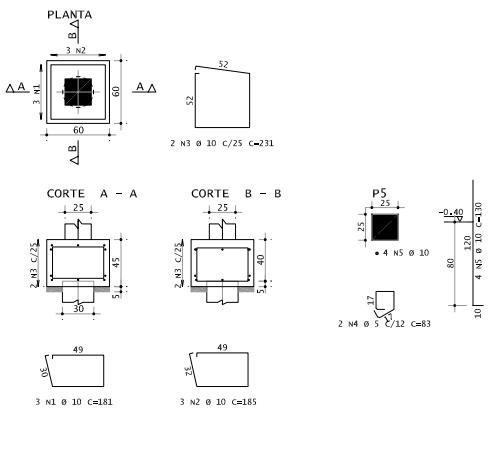
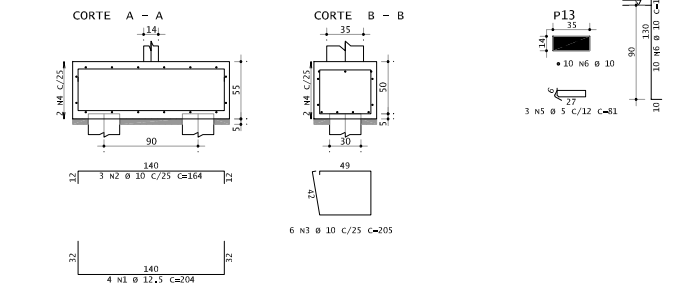


AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
B4					
	50A	1	10	5	192	960
	50A	2	10	3	164	492
	50A	3	10	6	205	1230
	50A	4	10	2	411	822
	60A	5	5	3	71	213
	50A	6	10	4	140	560
B5						
	50A	1	10	3	181	543
	50A	2	10	3	185	555
	50A	3	10	2	231	462
	60A	4	5	2	83	166
	50A	5	10	4	130	520
B7						
	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	101	303
	50A	6	10	6	150	900
B9						
	50A	1	12.5	3	204	612
	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	4	140	560
B11						
	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
B12						
	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
B13						
	50A	1	12.5	3	204	612
	50A	2	10	3	164	492
	50A	3	10	6	205	1230
	50A	4	10	2	411	822
	60A	5	5	3	91	273
	50A	6	10	4	140	560
B17						
	50A	1	10	3	181	543
	50A	2	10	3	185	555
	50A	3	10	2	231	462
	60A	4	5	2	81	162
	50A	5	10	4	130	520
B23						
	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
B24						
	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	63	249
	50A	6	10	4	150	600
B31						
	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	67	201
	50A	6	10	4	140	560

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60A	5	26	4
50A	10	461	285
50A	12.5	29	28
Peso Total	60A =		4 kg
Peso Total	50A =		312 kg

B11
(ESCALA 1:25)



B12
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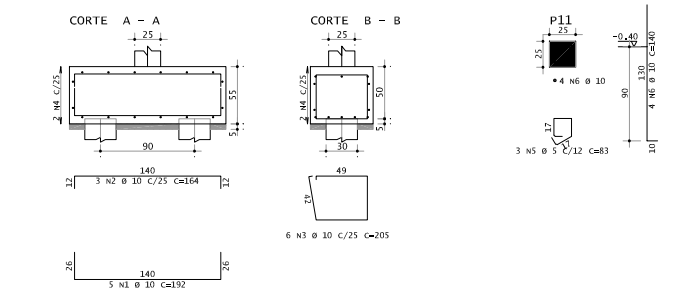

B31
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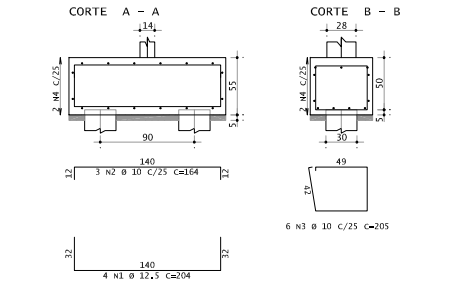

B17
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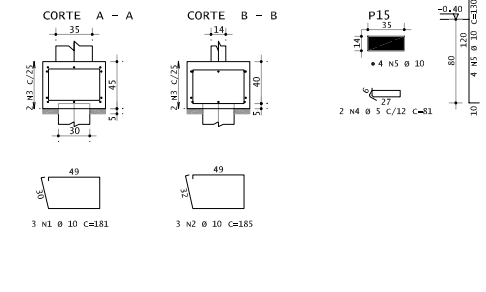
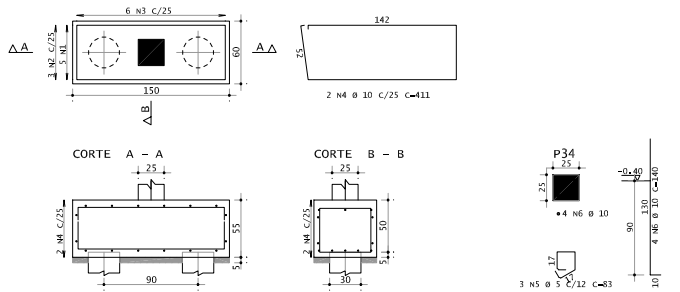


B23
(ESCALA 1:25)



B13
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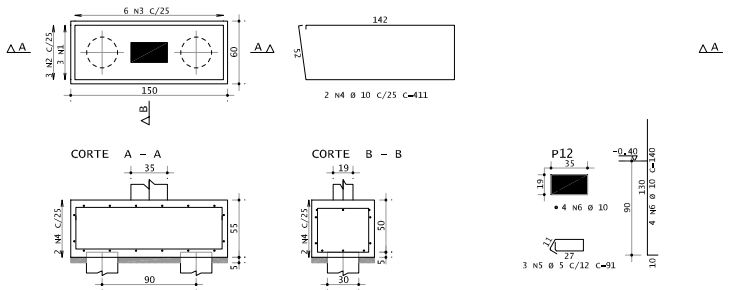
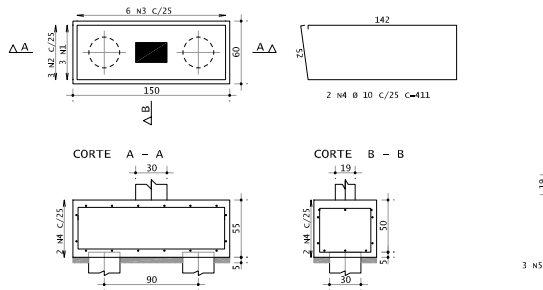


B9
(ESCALA 1:25)



DISCIPLINA	FOLHA	ARQUIVO ELETRONICO	REVISÃO	DATA	OBSERVAÇÃO
ARQUIVOS DE REFERÊNCIA - COMPLEMENTARES					

A	E	01/02/2019	PY	C.OLIVEIRA	.....	PARA APROVAÇÃO
REV.	TIPO DE EMIS.	DATA	ELABORADO POR	VERIFICADO POR	VALIDADO POR	OBSERVAÇÕES DA REVISÃO

(A) PRELIMINAR (B) PARA APROVAÇÃO (C) PARA INFORMAÇÃO (D) PARA COTAÇÃO (E) APROVADO PARA CONSTRUÇÃO (F) CÓDIGO CONFORME DO CÓDIGO CONSTRUÍDO (H) CANCELADO

PORTO DO ITAQUI

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

SB ETAPA 2018.13-DE-EST-2109-0006 DATA JANEIRO/19 REVISÃO A

PROJETO ESTRUTURAL - BASE DE PRONTA RESPOSTA - PONTA DA ESPERA

PROJETISTA: C.OLIVEIRA	CREA/CAU: 5063315792	VALIDAÇÃO/VISTO:	
RESP. TÉCNICO: Engª Vera L.F.B.	CONTRATADA:	ESCALA: INDICADAS	FOLHA/PRANCHA: 06/15