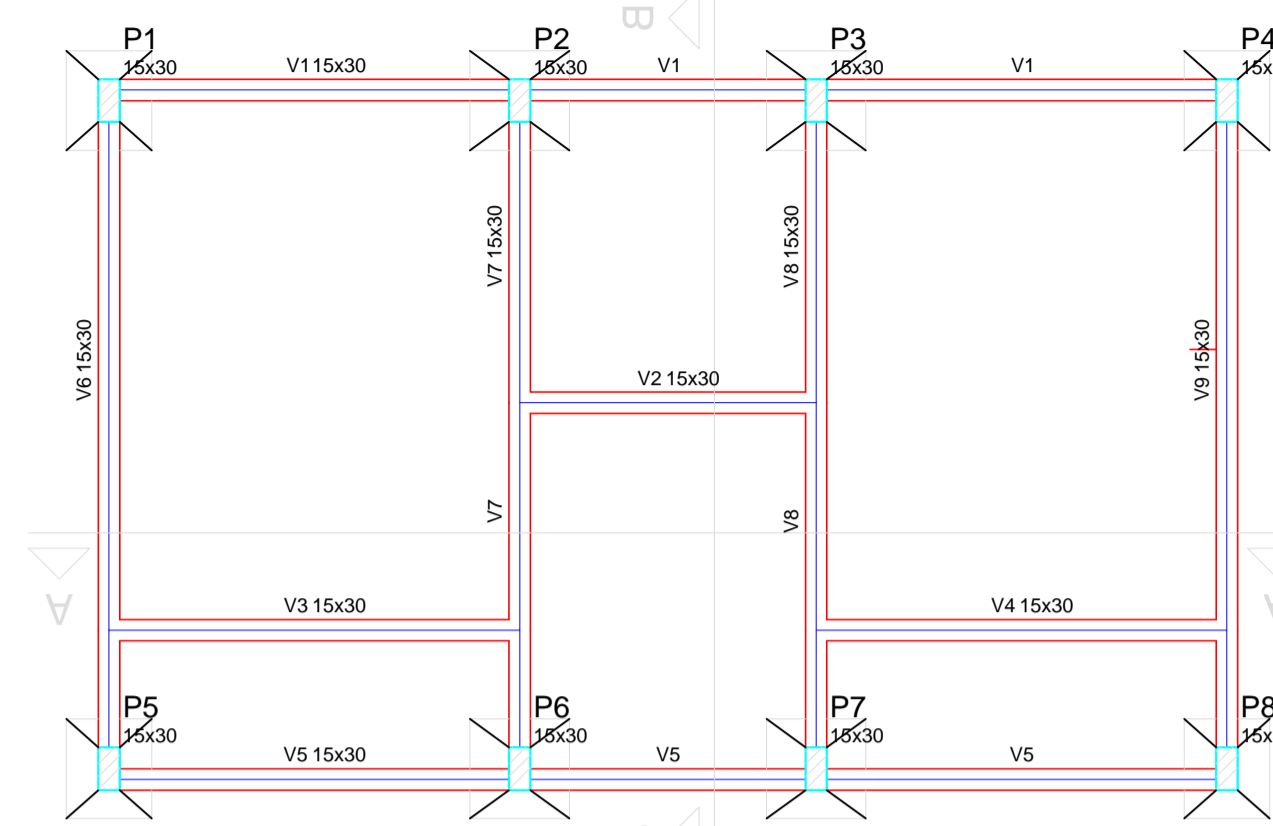


Planta de localização  
escala 1:50

Pilar		Fundação					
Nome	Seção (cm)	Nome	Lado B (cm)	Lado H (cm)	h <sub>0</sub> / h <sub>a</sub> (cm)	h <sub>1</sub> / h <sub>b</sub> (cm)	df (cm)
P1	15x30	S1	60	70	25	25	100
P2	15x30	S2	70	70	25	25	100
P3	15x30	S3	70	70	25	25	100
P4	15x30	S4	60	70	25	25	100
P5	15x30	S5	60	70	25	25	100
P6	15x30	S6	70	70	25	25	100
P7	15x30	S7	70	70	25	25	100
P8	15x30	S8	60	70	25	25	100



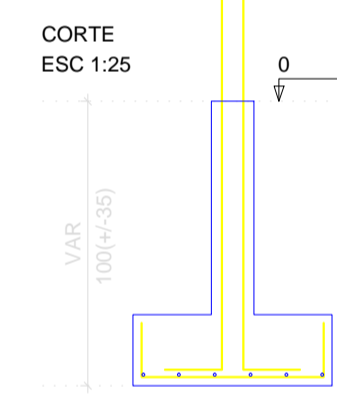
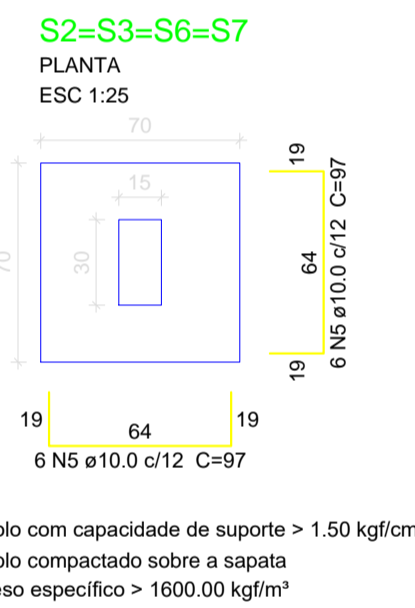
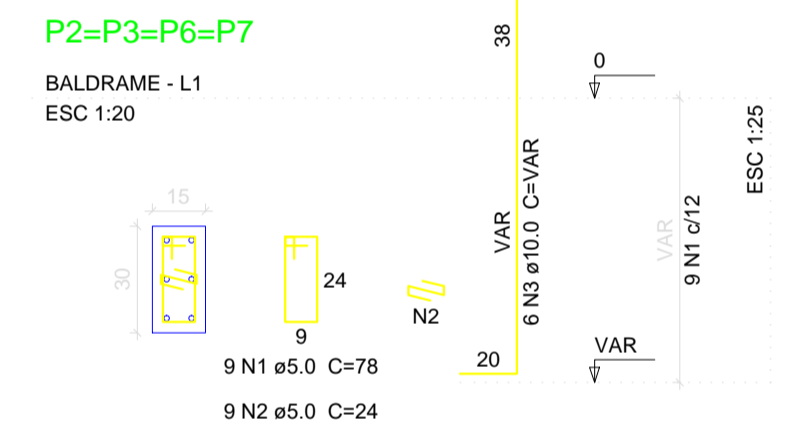
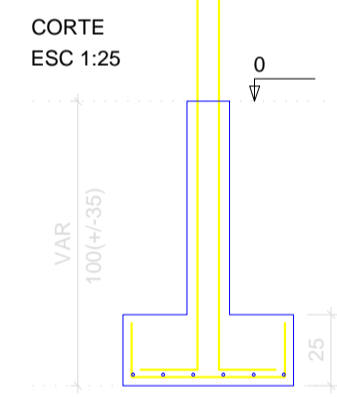
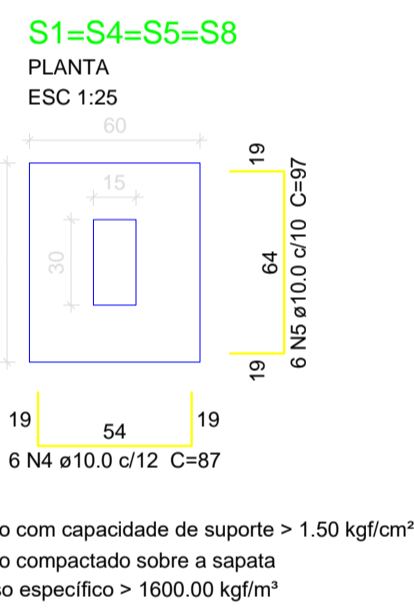
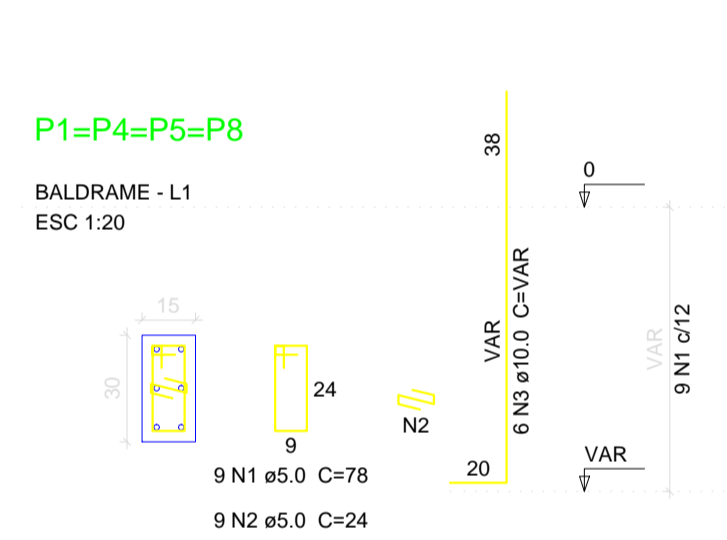
Forma do pavimento Baldrame  
escala 1:50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x30	0	0
V2	15x30	0	0
V3	15x30	0	0
V4	15x30	0	0
V5	15x30	0	0
V6	15x30	0	0
V7	15x30	0	0
V8	15x30	0	0
V9	15x30	0	0

Características dos materiais	
f <sub>ck</sub> (kgf/cm <sup>2</sup> )	E <sub>cs</sub> (kgf/cm <sup>2</sup> )
250	238000

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15 x 30	0	0
P2	15 x 30	0	0
P3	15 x 30	0	0
P4	15 x 30	0	0
P5	15 x 30	0	0
P6	15 x 30	0	0
P7	15 x 30	0	0
P8	15 x 30	0	0

Legenda dos Pilares	
	Pilar que morre
	Pilar que passa
	Pilar que nasce
	Pilar com mudança de seção



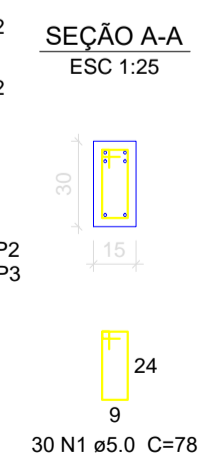
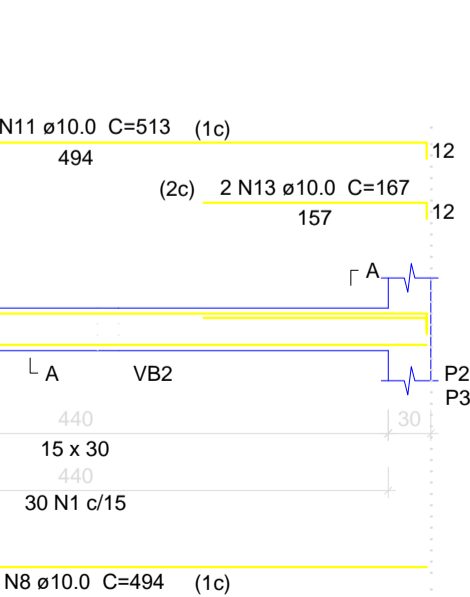
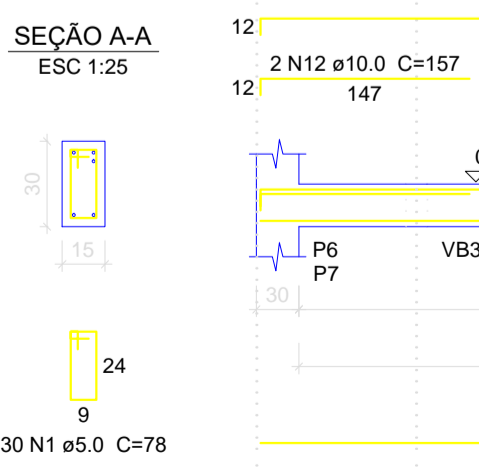
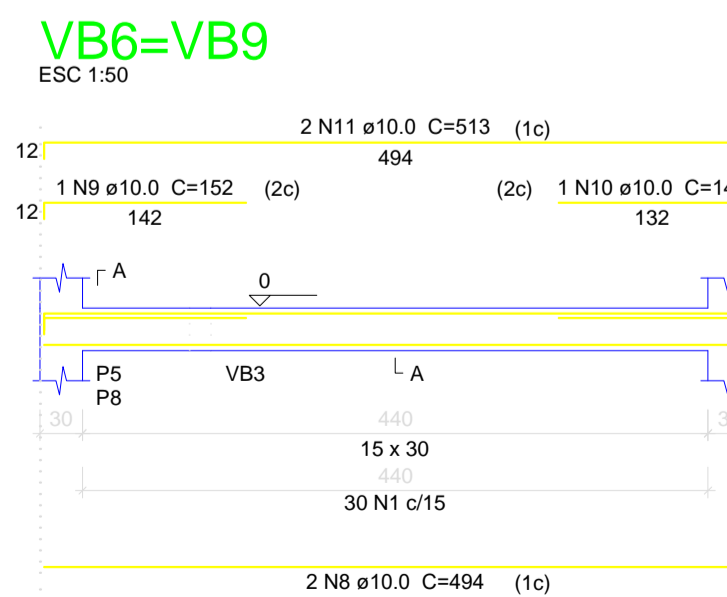
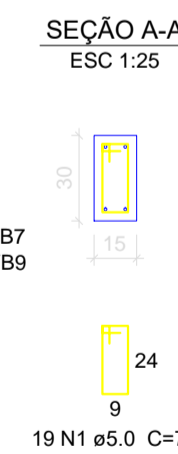
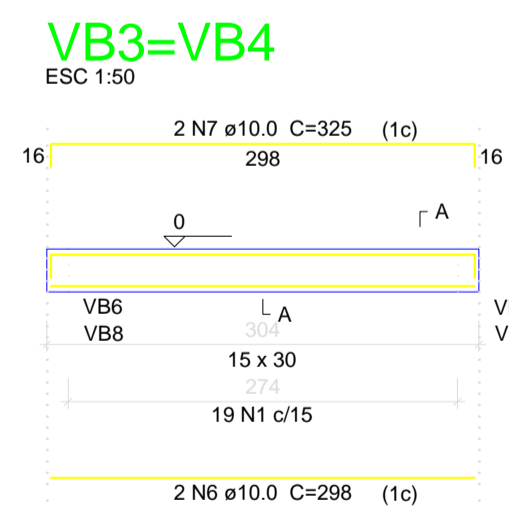
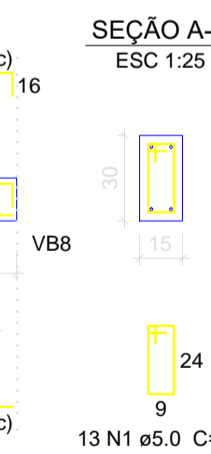
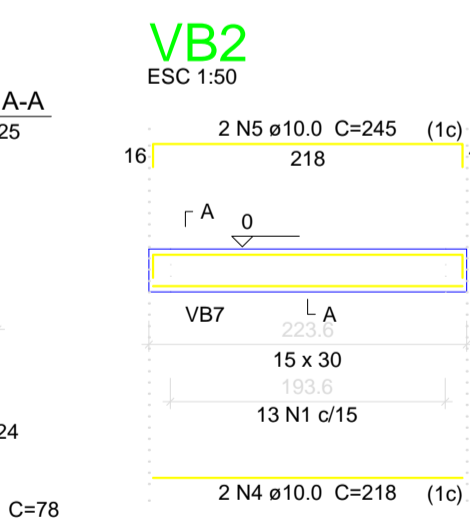
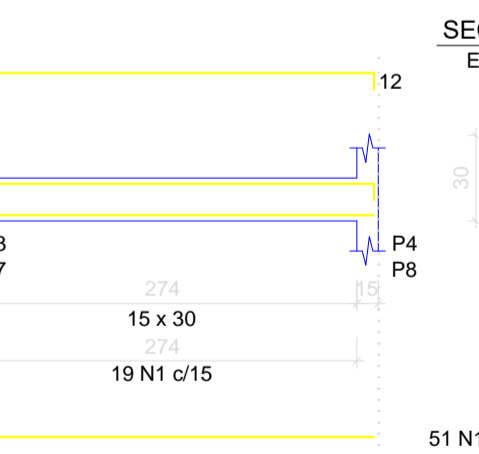
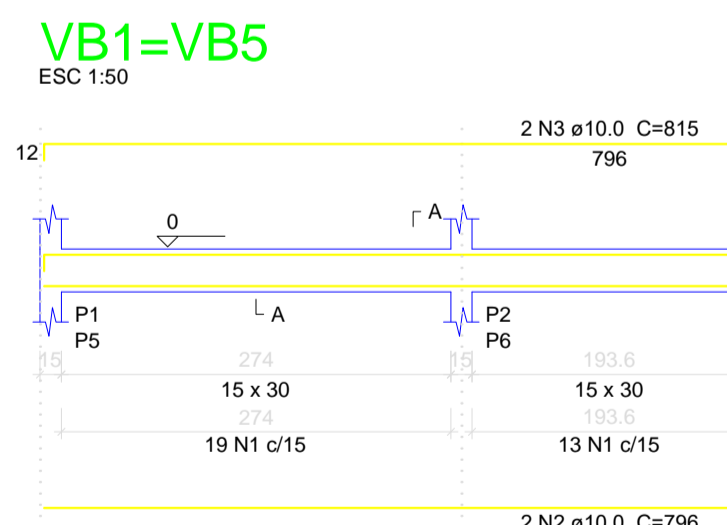
Relação do aço Sapatas

4xS1	4xS2				
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	72	78	5616
CA50	2	5.0	72	24	1728
	3	10.0	48	VAR	VAR
	4	10.0	24	87	2088
	5	10.0	72	97	6984

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	165.6	112.3
CA60	5.0	73.5	12.5
<b>PESO TOTAL</b>			
CA50		112.3	
CA60		12.5	

Vol. de concreto total (C-25) = 1.27 m<sup>3</sup>  
Área de forma total = 6.3 m<sup>2</sup>



Relação do aço Vigas Baldrame

VB1 VB4 VB7		VB2 VB5 VB8		VB3 VB6 VB9	
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	273	78	21294
CA50	2	10.0	4	796	3184
	3	10.0	4	815	3260
	4	10.0	2	218	436
	5	10.0	2	245	490
	6	10.0	4	298	1192
	7	10.0	4	325	1300
	8	10.0	8	494	3952
	9	10.0	2	152	304
	10	10.0	2	142	284
	11	10.0	8	513	4104
	12	10.0	4	157	628
	13	10.0	4	167	668

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	198.1	134.3
CA60	5.0	213	36.1
<b>PESO TOTAL</b>			
CA50		134.3	
CA60		36.1	

Vol. de concreto total (C-25) = 2 m<sup>3</sup>  
Área de forma total = 16.63 m<sup>2</sup>

APROVAÇÃO:



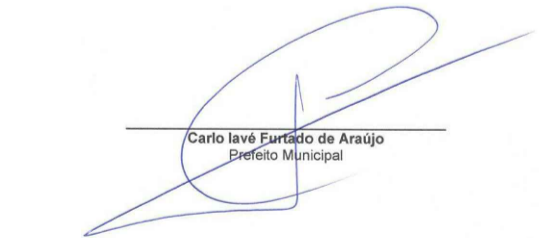
Colemar Lima Honorato Jr.  
Engenheiro Civil - Secretaria de Obras  
CREA 111618/MG/DGO

PROJETO ESTRUTURAL

Endereço: PARK DOS BURITIS I, REDEÇÃO PARA

CONVÊNIO Nº 887731/2019

BANHEIROS PÚBLICO



ENG. ALISSON ROCHA LIMA CREA 151156983-2  
Autor do Projeto

SEC. DE OBRAS:	DESCRIÇÃO DOS PAVIS:		
DORVALINO ROCHA E SILVA	BANHEIRO PÚBLICO PARQUE NATURAL DO MUNICÍPIO DE REDEÇÃO		
CONTEÚDO:	ÁREA TOTAL DA CONSTRUÇÃO:	FOLHA:	
PLANTA DE LOCAÇÃO FORMA BALDRAME FUNDAÇÃO VIGAS BALDRAME	40,10m <sup>2</sup>	1/2	
AV. BRASIL, REDEÇÃO/PA NÚCLEO URBANO - REDEÇÃO/PA obras@redacao.pa.gov.br	ARQUIVO:	DATA:	DESENHO:
		MARÇO/2020	ENG. ALISSON ROCHA LIMA