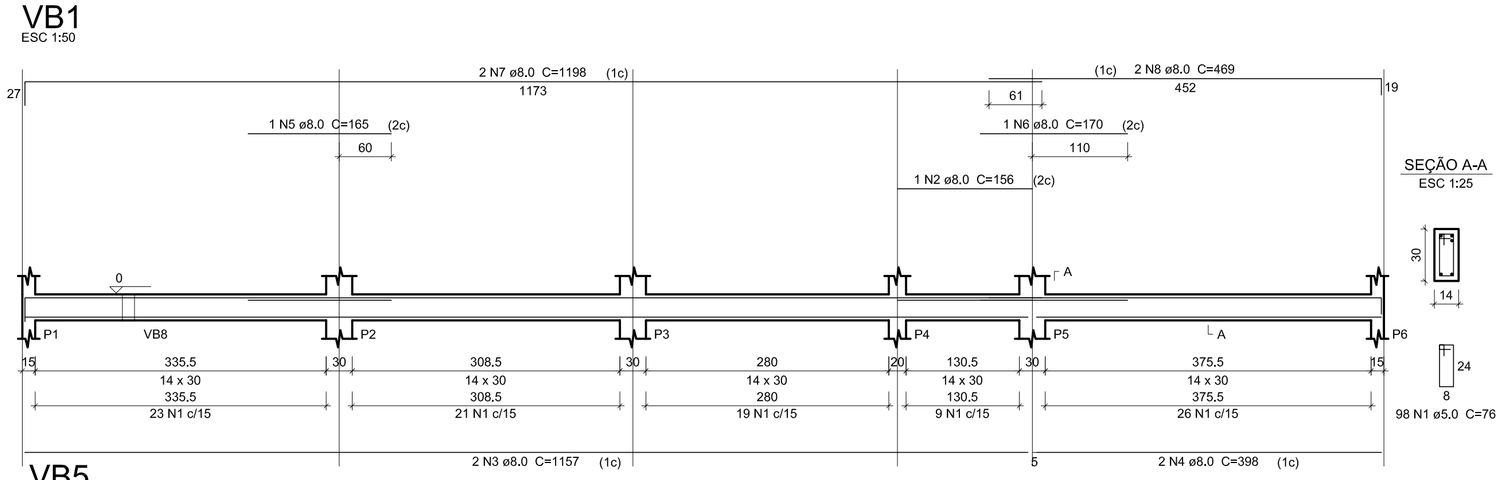
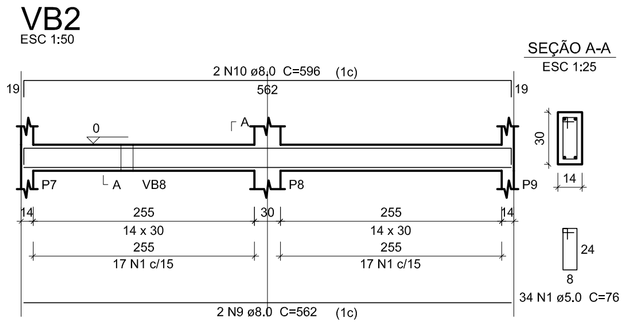
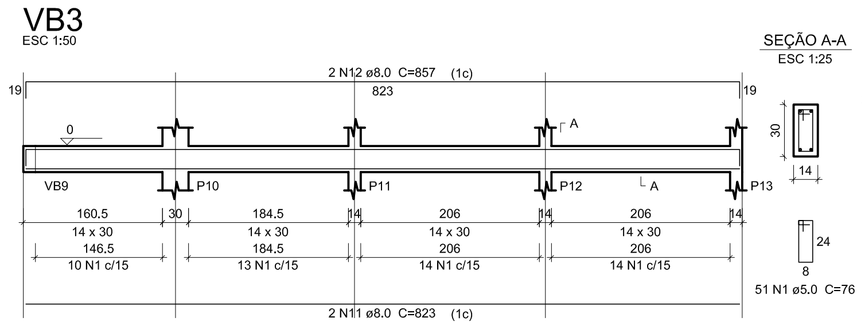
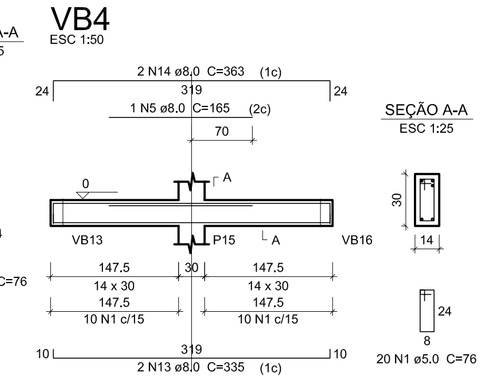
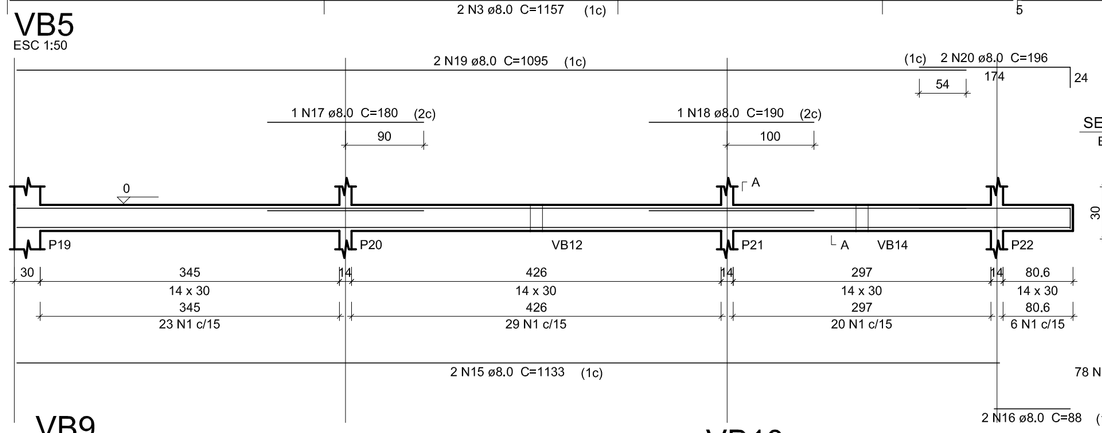
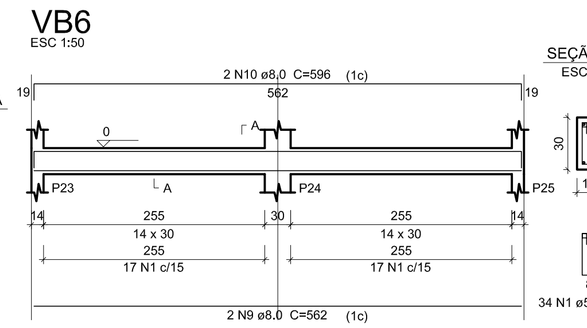


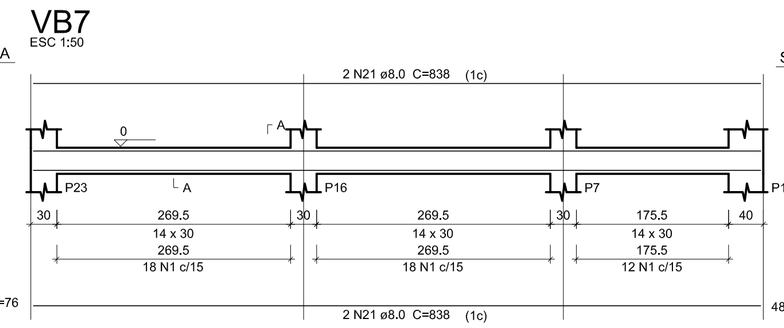


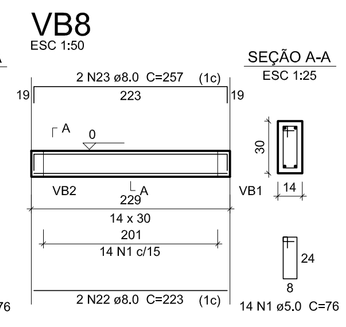


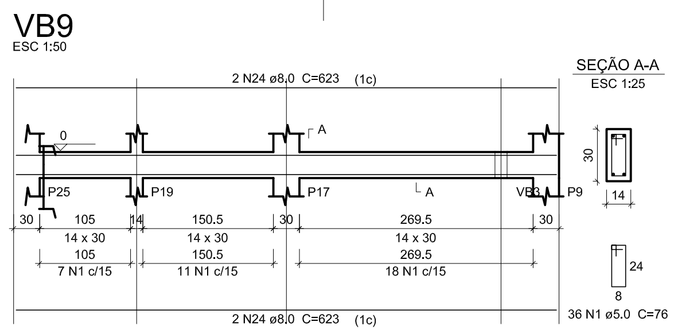


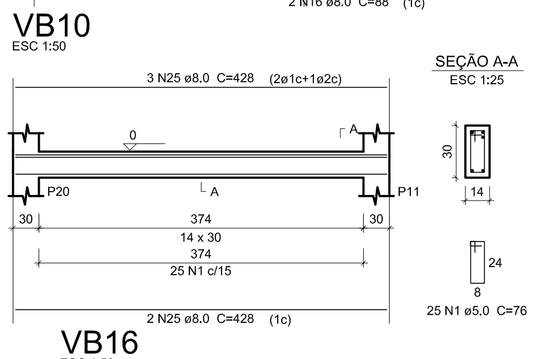


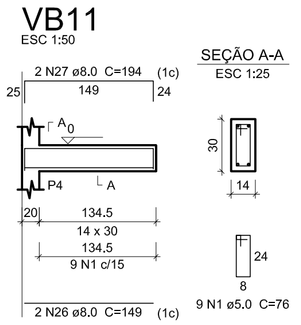


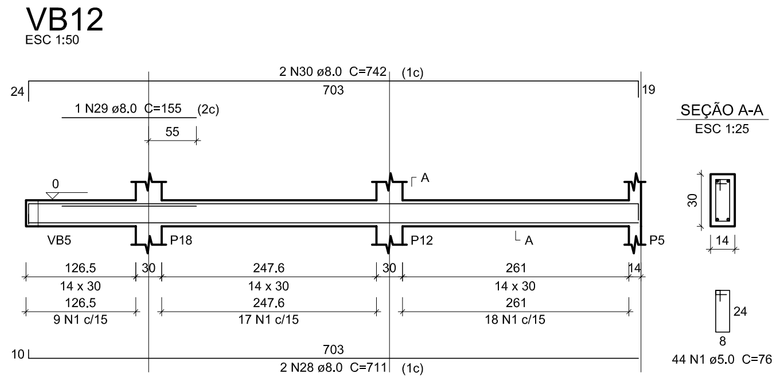


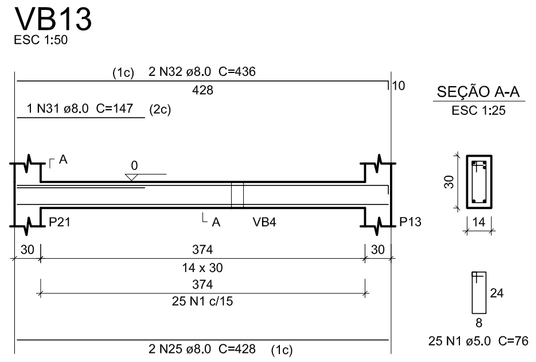


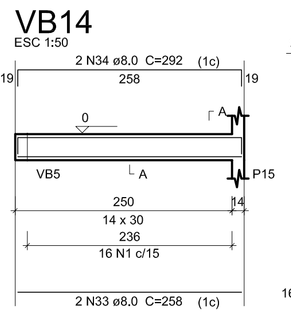


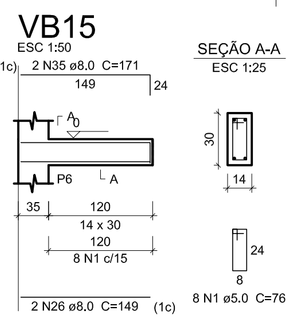


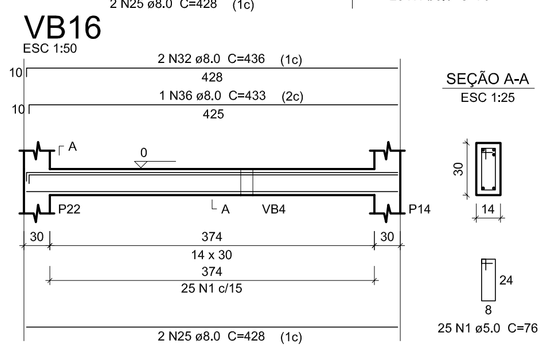












Relação do aço

VB1	VB2	VB3
VB4	VB5	VB6
VB7	VB8	VB9
VB10	VB11	VB12
VB13	VB14	VB15
VB16		

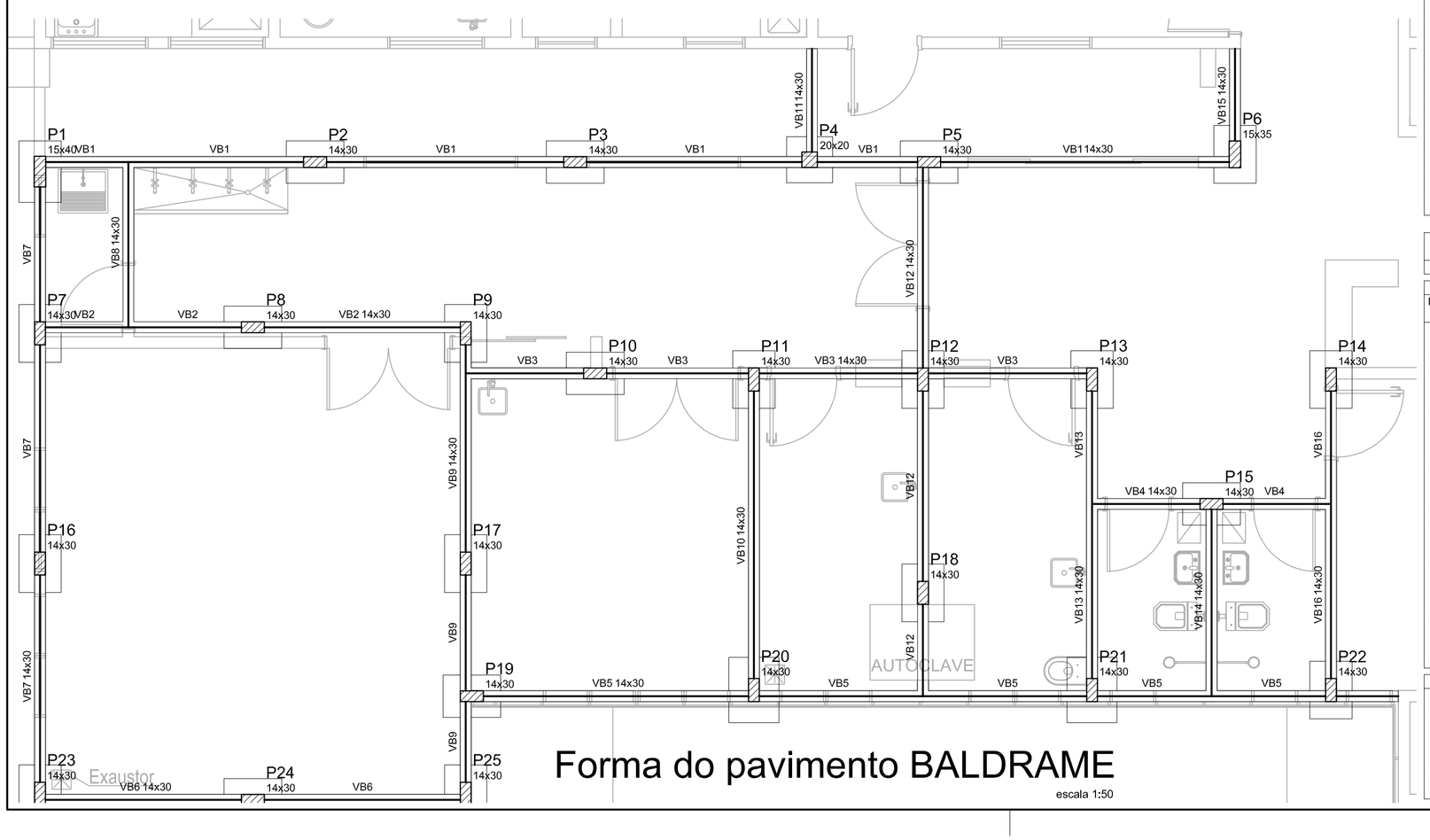
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	565	76	42940
CA50	2	8.0	1	156	156
	3	8.0	2	1157	2314
	4	8.0	2	398	796
	5	8.0	2	165	330
	6	8.0	1	170	170
	7	8.0	2	1198	2396
	8	8.0	2	469	938
	9	8.0	4	562	2248
	10	8.0	4	596	2384
	11	8.0	2	823	1646
	12	8.0	2	857	1714
	13	8.0	2	335	670
	14	8.0	2	363	726
	15	8.0	2	1133	2266
	16	8.0	2	88	176
	17	8.0	1	180	180
	18	8.0	1	190	190
	19	8.0	2	1095	2190
	20	8.0	2	196	392
	21	8.0	4	838	3352
	22	8.0	2	223	446
	23	8.0	2	257	514
	24	8.0	4	623	2492
	25	8.0	9	428	3852
	26	8.0	4	149	596
	27	8.0	2	194	388
	28	8.0	2	711	1422
	29	8.0	1	155	155
	30	8.0	2	742	1484
	31	8.0	1	147	147
	32	8.0	4	436	1744
	33	8.0	2	258	516
	34	8.0	2	292	584
	35	8.0	2	171	342
	36	8.0	1	433	433

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	403.5	159.2
CA60	5.0	429.4	66.2

PESO TOTAL	
CA50	159.2
CA60	66.2

Vol. de concreto total (C-25) = 3.93 m³
Área de forma total = 69.32 m²



Forma do pavimento BALDRAME

escala 1:50

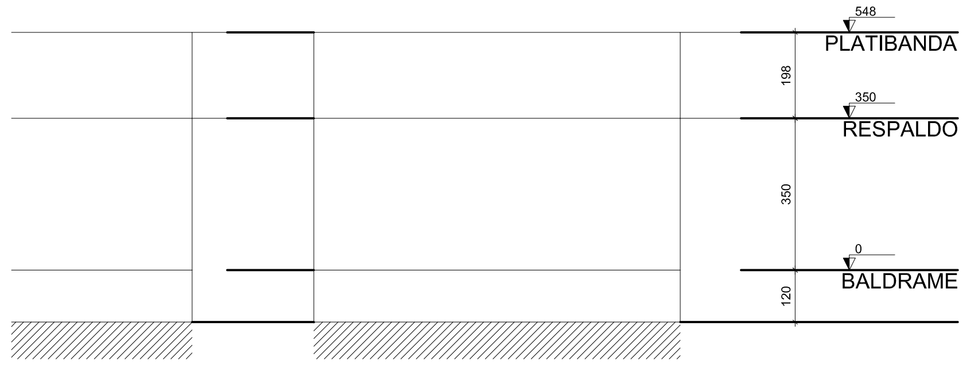
Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VB1	14x30	0	0
VB2	14x30	0	0
VB3	14x30	0	0
VB4	14x30	0	0
VB5	14x30	0	0
VB6	14x30	0	0
VB7	14x30	0	0
VB8	14x30	0	0
VB9	14x30	0	0
VB10	14x30	0	0
VB11	14x30	0	0
VB12	14x30	0	0
VB13	14x30	0	0
VB14	14x30	0	0
VB15	14x30	0	0
VB16	14x30	0	0

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	238000

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15 x 40	0	0
P2	14 x 30	0	0
P3	14 x 30	0	0
P4	20 x 20	0	0
P5	14 x 30	0	0
P6	15 x 35	0	0
P7	14 x 30	0	0
P8	14 x 30	0	0
P9	14 x 30	0	0
P10	14 x 30	0	0
P11	14 x 30	0	0
P12	14 x 30	0	0
P13	14 x 30	0	0
P14	14 x 30	0	0
P15	14 x 30	0	0
P16	14 x 30	0	0
P17	14 x 30	0	0
P18	14 x 30	0	0
P19	14 x 30	0	0
P20	14 x 30	0	0
P21	14 x 30	0	0
P22	14 x 30	0	0
P23	14 x 30	0	0
P24	14 x 30	0	0
P25	14 x 30	0	0

Legenda dos Pilares

- Pilar que morre
- Pilar que passa
- Pilar que nasce
- Pilar com mudança de seção



Corte X-X

escala 1:100

Corte Y-Y

escala 1:100

TIPO DA OBRA:
REFORMA E AMPLIAÇÃO DO HOSPITAL MUNICIPAL DE ITAÚBA

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE ITAÚBA - MT
C.G.C. / C.P.F.: 03.238.961/0001-27

LOCAL: AV. TIRADENTES, ESQUINA COM A RUA FRANCISCO CARRARA, QUADRA 15 - ITAÚBA/MT

AREAS:
ÁREA TOTAL DA EDIFICAÇÃO....1.302,67m²
ÁREA DE REFORMA.....952,91m²
ÁREA DE AMPLIAÇÃO.....349,76m²
ÁREA DA URBANIZAÇÃO.....1.568,63m²

AUTOR DO PROJETO
KLEY WILLIAN AREVALO COSTA
CREA: 120.075.956-7

ASSINATURA

ESCALA: INDICADAS

DATA: FEVEREIRO / 2018

ASSUNTO:
ESTRUTURAL
(CENTRO CIRÚRGICO)
PLANTA FORMA - BALDRAMES
VIGAS BALDRAMES
CORTE

FOLHA Nº
06
/14