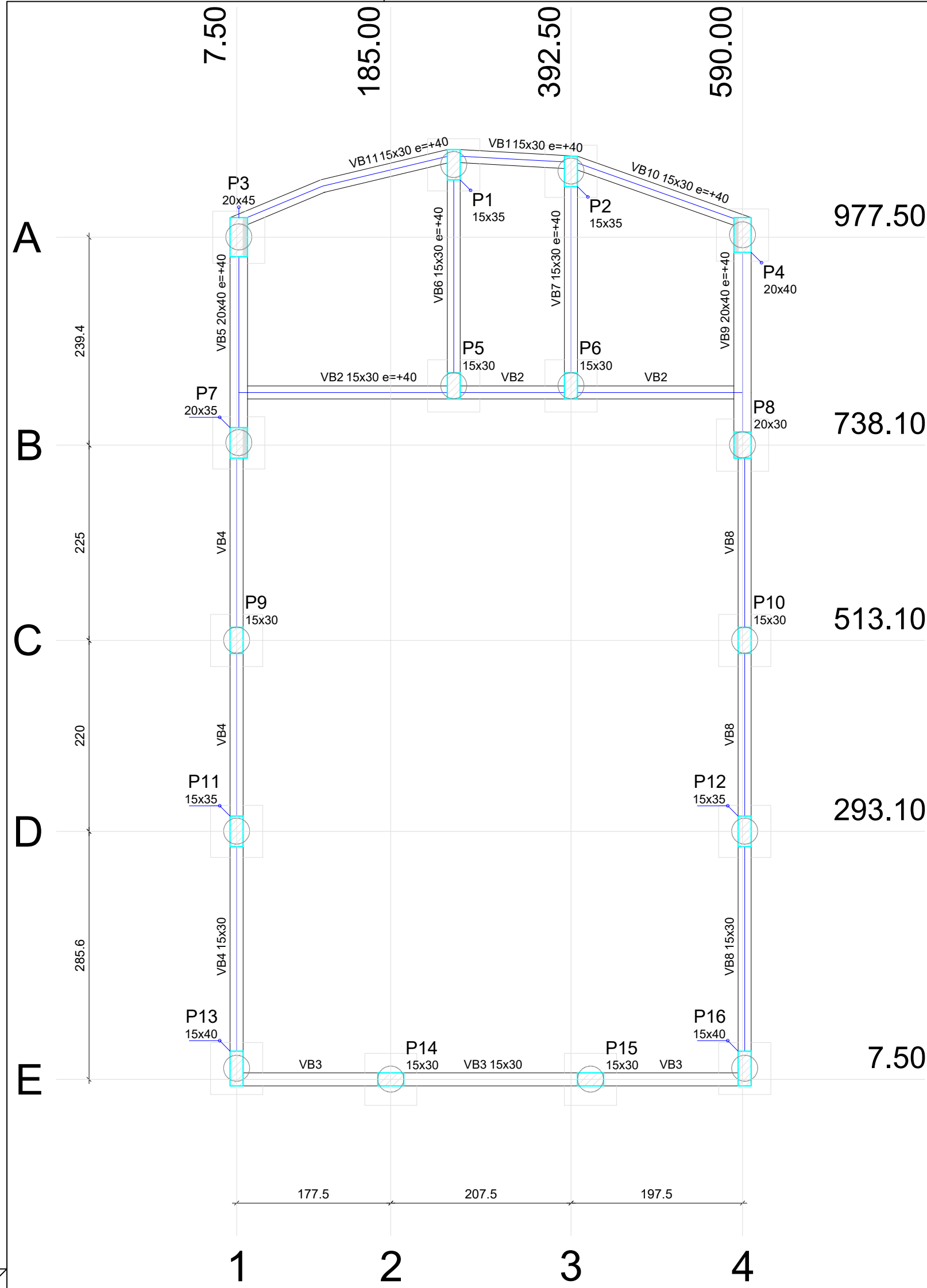


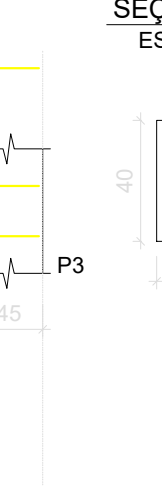
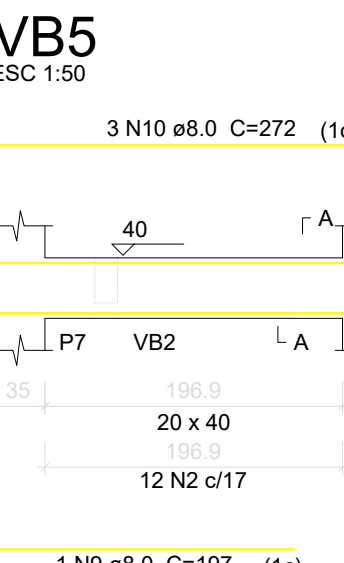
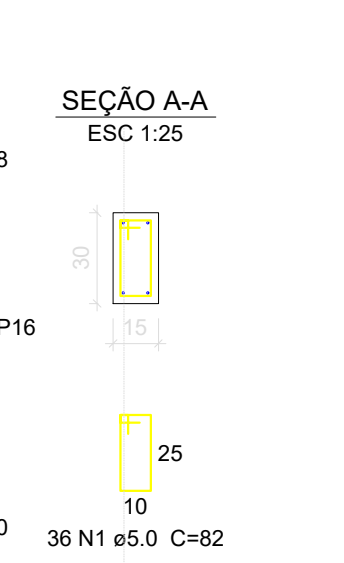
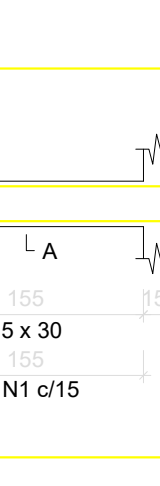
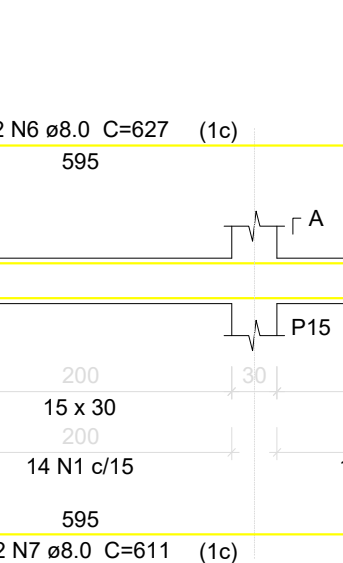
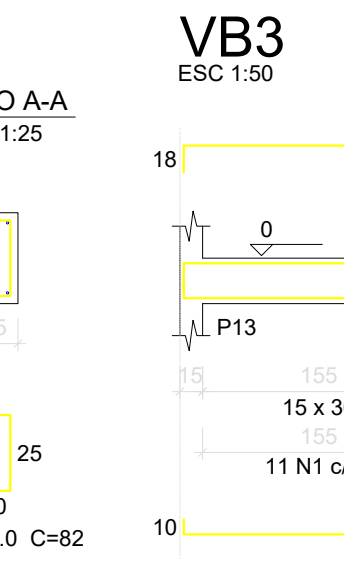
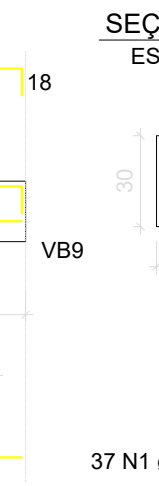
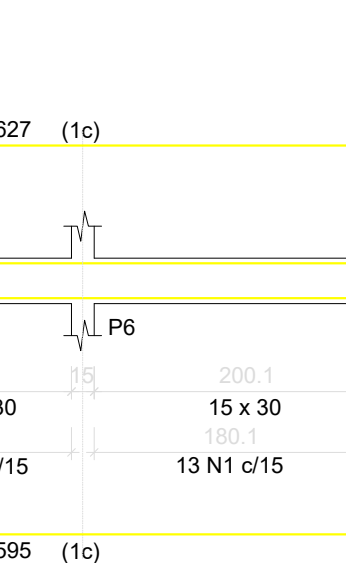
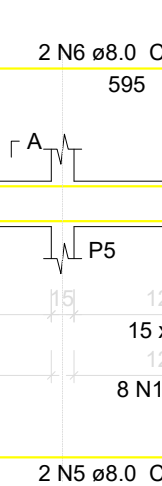
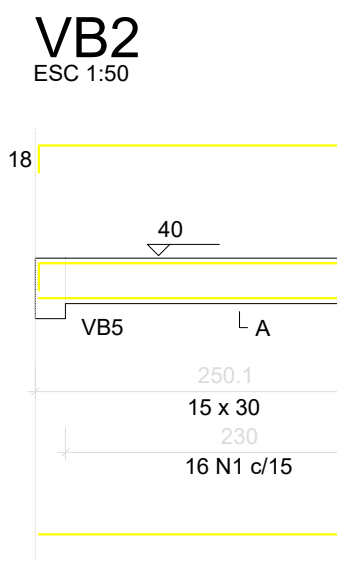
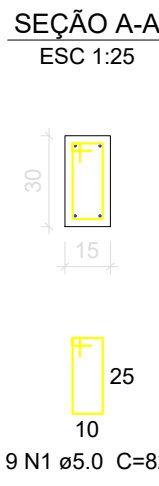
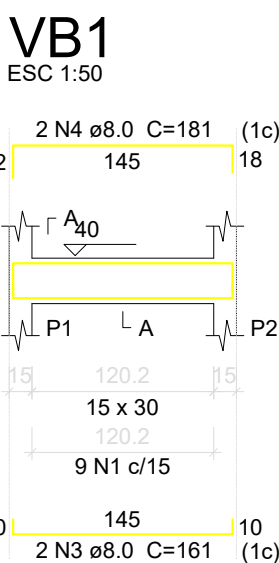


Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VB1	15x30	40	40
VB2	15x30	40	40
VB3	15x30	0	0
VB4	15x30	0	0
VB5	20x40	40	40
VB6	15x30	40	40
VB7	15x30	40	40
VB8	15x30	0	0
VB9	20x40	40	40
VB10	15x30	40	40
VB11	15x30	40	40

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
300	260716

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15 x 35	0	0
P2	15 x 35	0	0
P3	20 x 45	0	0
P4	20 x 40	0	0
P5	15 x 30	0	0
P6	15 x 30	0	0
P7	20 x 35	0	0
P8	20 x 30	0	0
P9	15 x 30	0	0
P10	15 x 30	0	0
P11	15 x 35	0	0
P12	15 x 35	0	0
P13	15 x 40	0	0
P14	15 x 30	0	0
P15	15 x 30	0	0
P16	15 x 40	0	0

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



Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	232	82	19024
CA50	2	5.0	25	112	2800
	3	8.0	2	161	322
	4	8.0	2	181	362
	5	8.0	2	595	1190
	6	8.0	4	627	2508
	7	8.0	2	611	1222
	8	8.0	4	753	3012
	9	8.0	1	197	197
	10	8.0	10	272	2720
	11	8.0	4	282	1128
	12	8.0	4	275	1100
	13	8.0	4	748	2992
	14	8.0	1	177	177
	15	8.0	2	231	462
	16	8.0	2	264	528
	17	8.0	2	283	566
	18	8.0	2	323	646

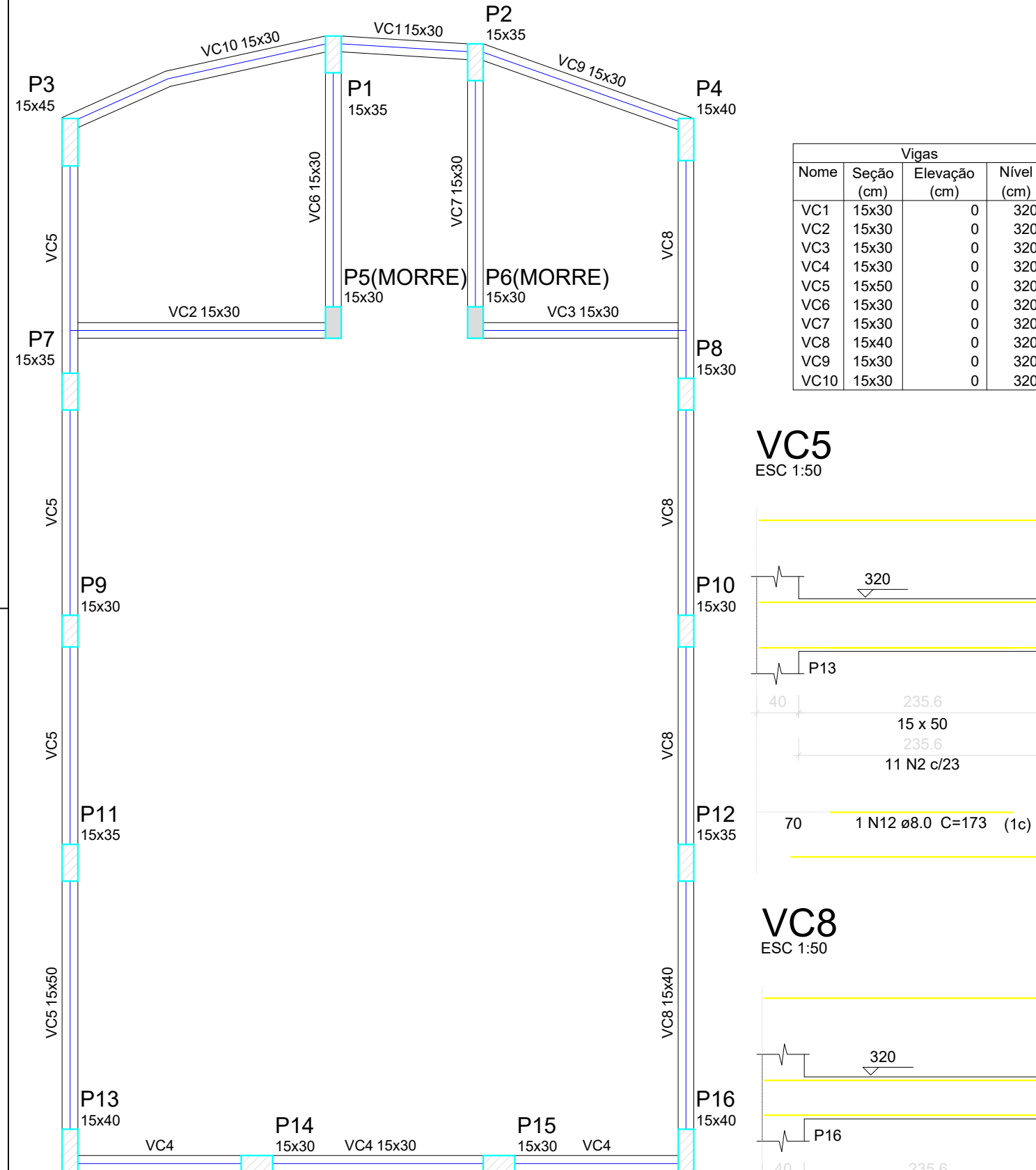
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	191.4	83
CA60	5.0	218.3	37
PESO TOTAL			
CA50	83		
CA60	37		

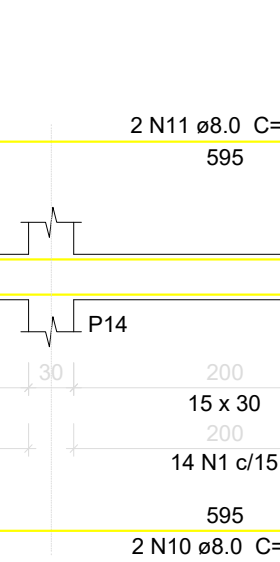
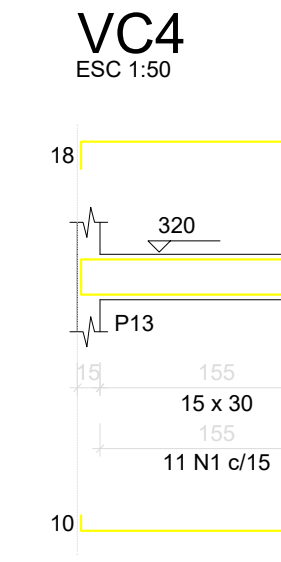
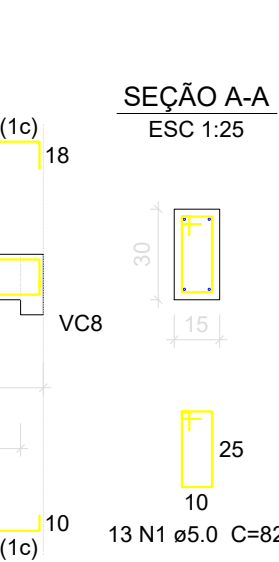
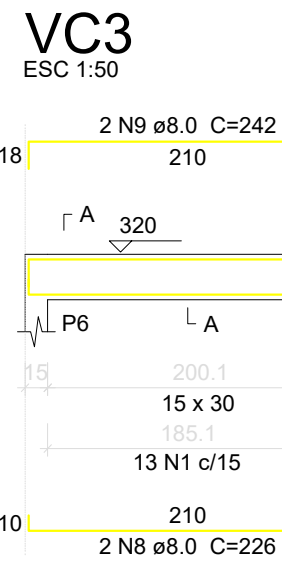
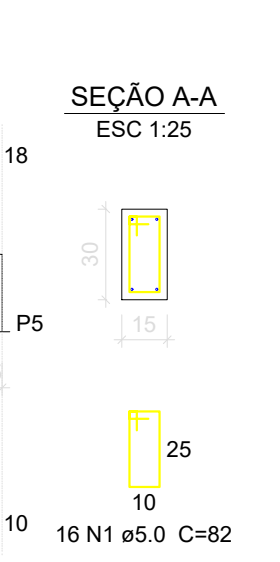
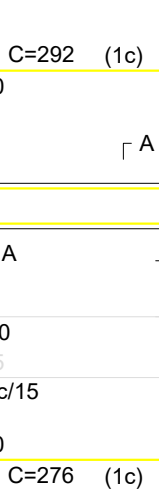
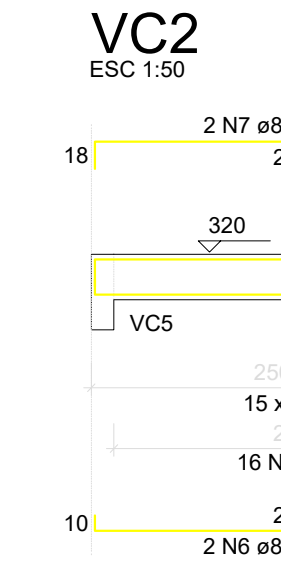
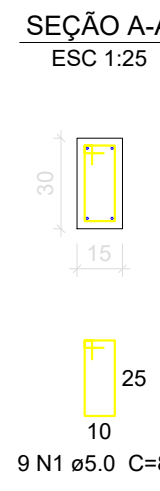
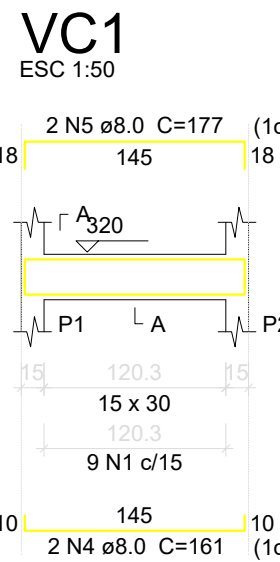
Vol. de concreto total (C-30) = 2.21 m³
Área de forma total = 35.06 m²

Forma do pavimento Fundação

escala 1:50



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VC1	15x30	0	320
VC2	15x30	0	320
VC3	15x30	0	320
VC4	15x30	0	320
VC5	15x50	0	320
VC6	15x30	0	320
VC7	15x30	0	320
VC8	15x40	0	320
VC9	15x30	0	320
VC10	15x30	0	320



Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	138	82	11316
	2	5.0	38	122	4636
	3	5.0	41	102	4182
CA50	4	8.0	2	161	322
	5	8.0	2	177	354
	6	8.0	2	276	552
	7	8.0	2	292	584
	8	8.0	2	226	452
	9	8.0	2	242	484
	10	8.0	2	611	1222
	11	8.0	2	627	1254
	12	8.0	1	173	173
	13	8.0	1	160	160
	14	8.0	1	168	168
	15	8.0	1	164	164
	16	8.0	9	995	8955
	17	8.0	2	282	564
	18	8.0	2	298	596
	19	8.0	2	275	550
	20	8.0	2	291	582
	21	8.0	4	239	956
	22	8.0	4	291	1164

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	192.6	83.6
CA60	5.0	201.4	34.1
PESO TOTAL			
CA50	83.6		
CA60	34.1		

Vol. de concreto total (C-30) = 2.39 m³
Área de forma total = 38.29 m²

APROVAÇÃO:

REVISÃO	DATA	MODIFICAÇÃO
01	-	
02	-	
03	-	
04	-	

ESTRUTURAL

CLIENTE		PREFEITURA DE MONTIVIDIU DO NORTE					
OBRA		CONSTRUÇÃO SALA AEE					
ENDEREÇO		RUA RITA CANDIDA DE JESUS, CENTRO MONTIVIDIU DO NORTE					
REFERENTE		PLANTA DE FORMA BALDRAME PLANTA DE FORMA VIGAS DE COBERTURA DETALHAMENTO DE VIGAS BALDRAME E VIGAS DE COBERTURA					
ÁREAS		ÁREA DO TERRENO: 2911,00 M² ÁREA CONSTRUÍDA: 58,60 M²					
A.R.T.		GILSON PABLO DIAS VIANA-0399 0403150 Assinado de forma digital por GILSON PABLO DIAS VIANA-03990403150 Data: 2020.06.21 23:39:16 -03'00'		CLAYSON LOPEZ Assinado de forma digital por CLAYSON LOPEZ 0403150 27/05/2020 14:04:33 Montividiu do Norte		Prancha N° 2/5	
ASSINATURAPREF CREA		ASSINATURAPREF CNPJ/PREF					
Desenho	Revisão	Tamanho	Escala(s)	Unidade(s)	Data	ART N°	
	REVISÃO	A0	INDICADA	METROS	27/05/2020	ART	

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