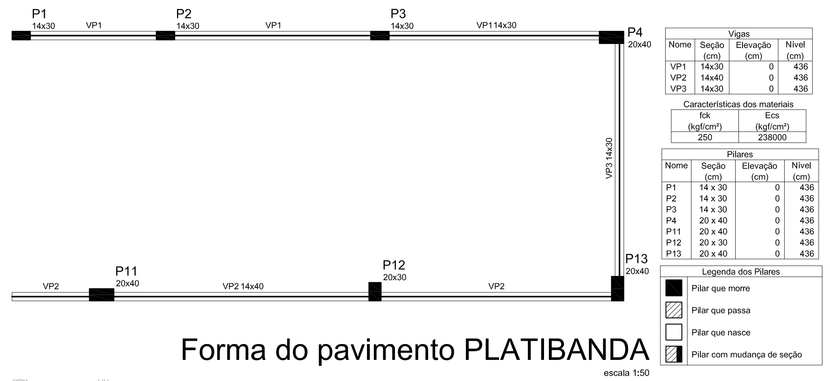


Vigas

Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VP1	14x30	0	436
VP2	14x40	0	436
VP3	14x30	0	436

Características dos materiais

fck (kgf/cm²)	Ecs (kgf/cm²)
250	238000

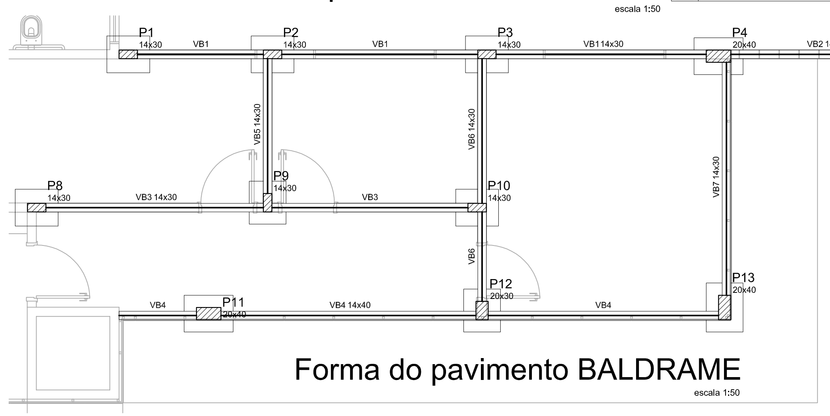
Pilares

Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	14 x 30	0	436
P2	14 x 30	0	436
P3	14 x 30	0	436
P4	20 x 40	0	436
P11	20 x 40	0	436
P12	20 x 30	0	436
P13	20 x 40	0	436

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

Forma do pavimento PLATIBANDA

escala 1:50



Características dos materiais

fck (kgf/cm²)	Ecs (kgf/cm²)
250	238000

Vigas

Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VB1	14x30	0	0
VB2	14x30	0	0
VB3	14x30	0	0
VB4	14x40	0	0
VB5	14x30	0	0
VB6	14x30	0	0
VB7	14x30	0	0

Pilares

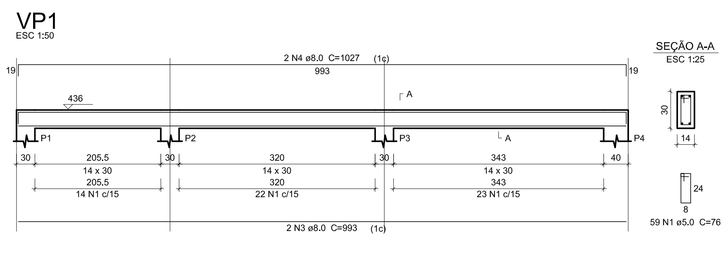
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	14 x 30	0	0
P2	14 x 30	0	0
P3	14 x 30	0	0
P4	20 x 40	0	0
P5	20 x 20	0	0
P6	20 x 20	0	0
P7	20 x 20	0	0
P8	14 x 30	0	0
P9	14 x 30	0	0
P10	14 x 30	0	0
P11	20 x 40	0	0
P12	20 x 30	0	0
P13	20 x 40	0	0

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

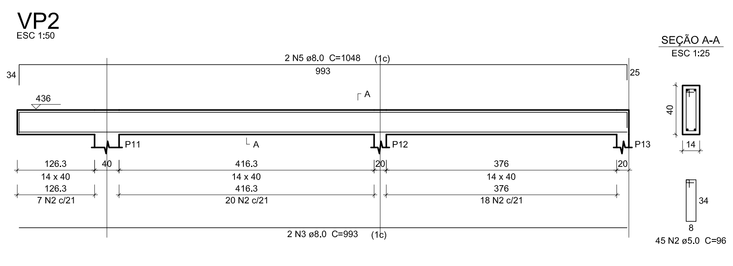
Forma do pavimento BALDRAME

escala 1:50

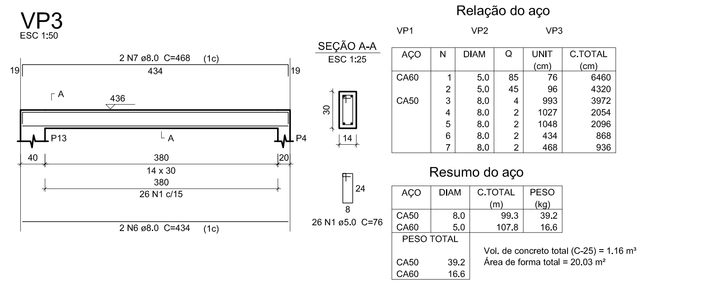
VP1
ESC 1:50



VP2
ESC 1:50



VP3
ESC 1:50



Relação do aço

VP1 VP2 VP3

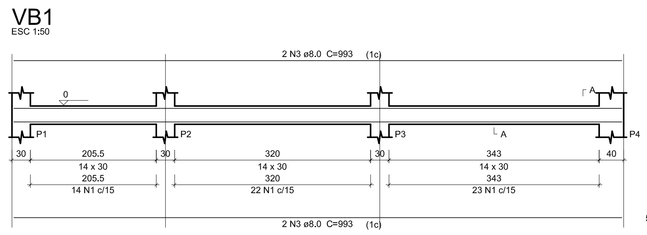
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	85	76	6460
	2	5,0	45	96	4320
CA50	3	8,0	4	993	3972
	4	8,0	2	1027	2054
	5	8,0	2	1048	2096
	6	8,0	2	434	868
	7	8,0	2	468	936

Resumo do aço

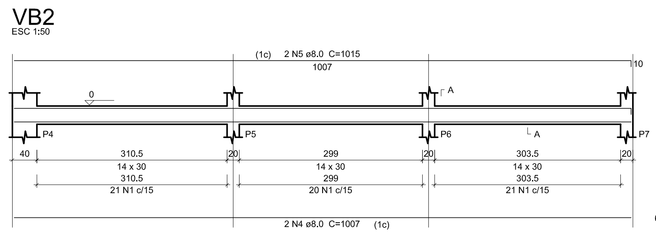
AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8,0	99,3	39,2
CA60	5,0	107,8	16,6
PESO TOTAL			
CA50	39,2		
CA60	16,6		

Vol. de concreto total (C-25) = 1,16 m³
Área de forma total = 20,03 m²

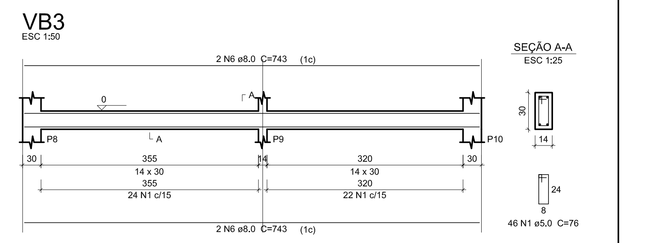
VB1
ESC 1:50



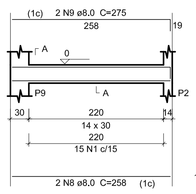
VB2
ESC 1:50



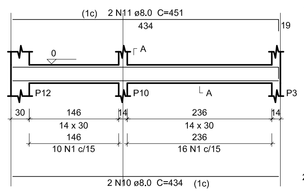
VB3
ESC 1:50



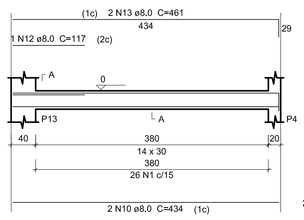
VB5
ESC 1:50



VB6
ESC 1:50



VB7
ESC 1:50



Relação do aço

VB1 VB2 VB3
VB4 VB5 VB6
VB7

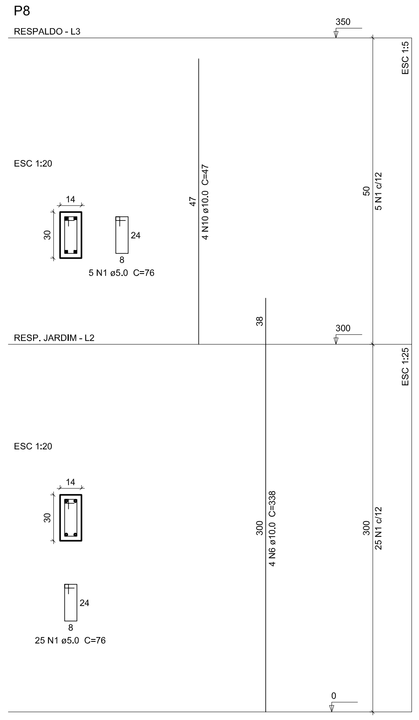
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	234	76	17784
	2	5,0	45	96	4320
CA50	3	8,0	6	993	5958
	4	8,0	2	1007	2014
	5	8,0	2	1015	2030
	6	8,0	4	743	2972
	7	8,0	2	1048	2096
	8	8,0	2	258	516
	9	8,0	2	275	550
	10	8,0	4	434	1736
	11	8,0	2	451	902
	12	8,0	1	117	117
	13	8,0	2	461	922

Resumo do aço

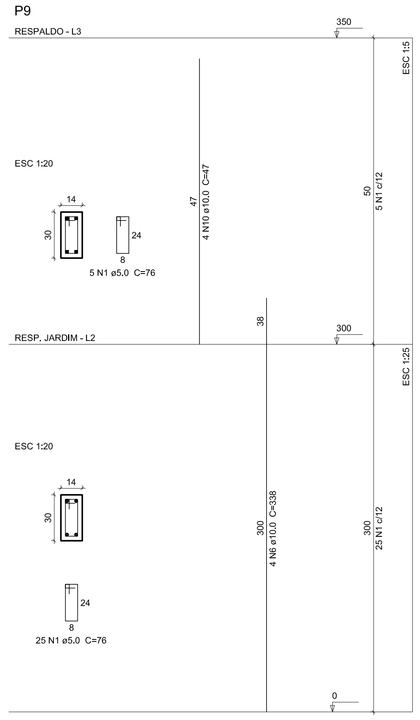
AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8,0	198,2	78,2
CA60	5,0	221,1	34,1
PESO TOTAL			
CA50	78,2		
CA60	34,1		

Vol. de concreto total (C-25) = 2,2 m³
Área de forma total = 38,28 m²

P8



P9



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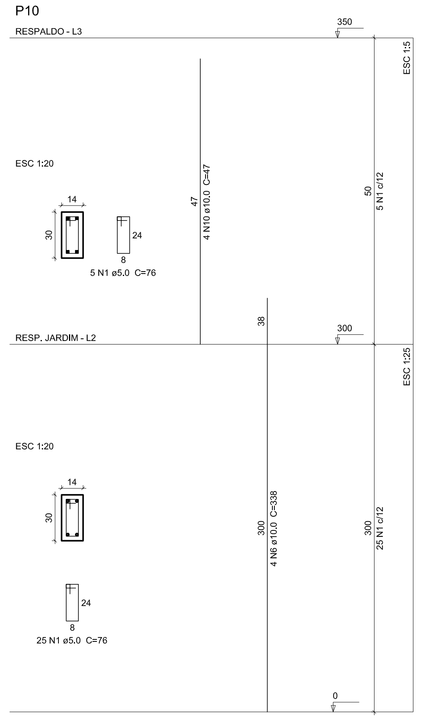

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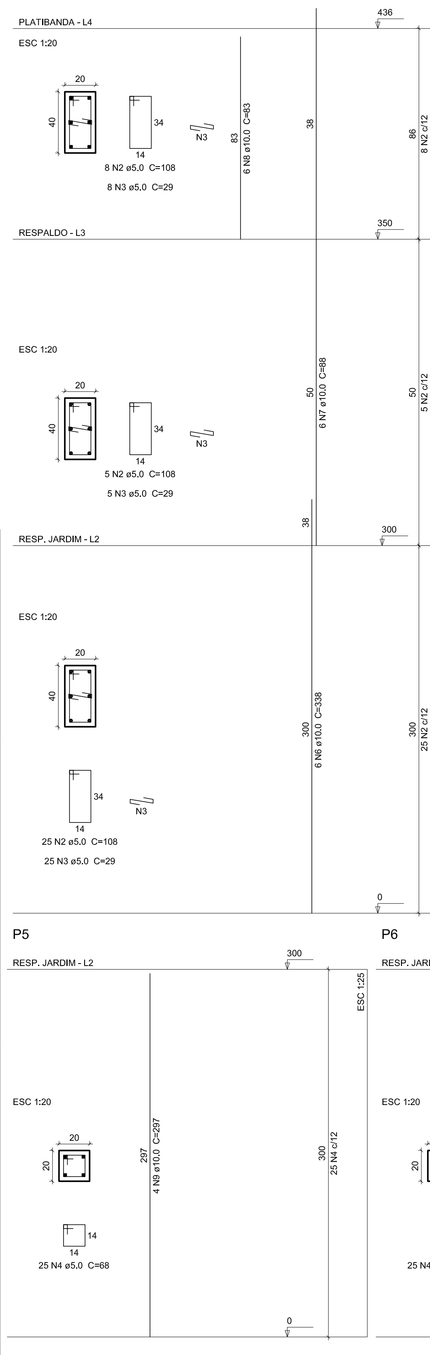

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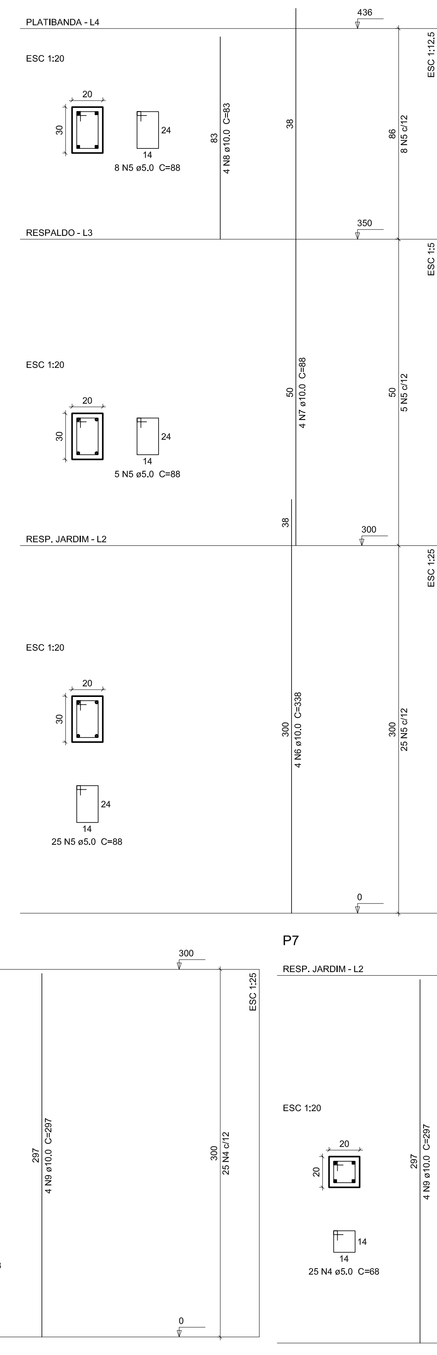
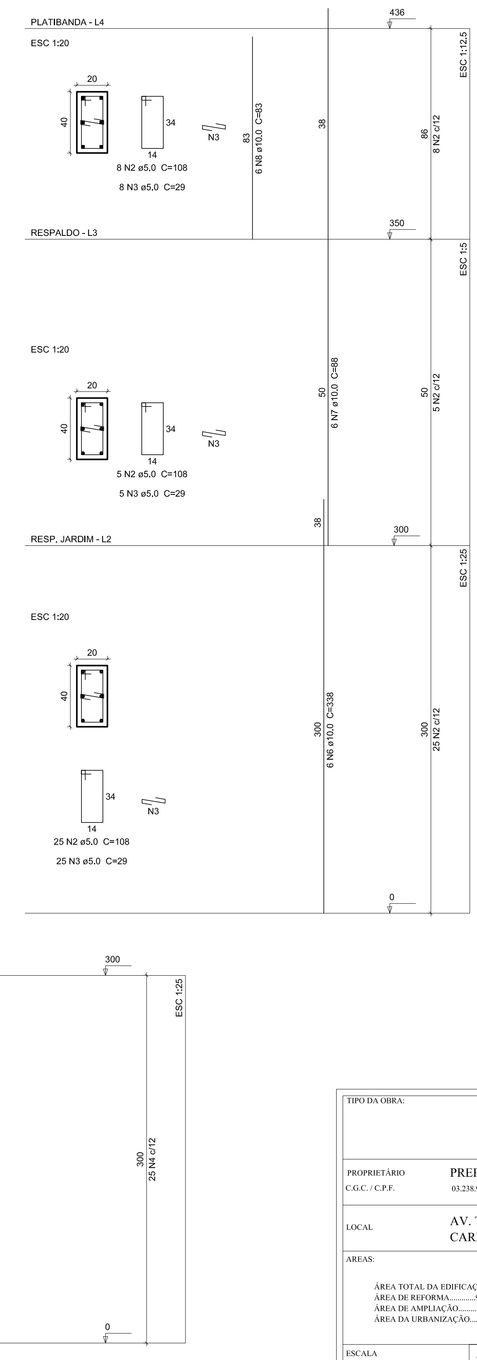


P13



Relação do aço

P1 P2 P3
P4 P5 P6
P7 P8 P9
P10 P11 P12
P13

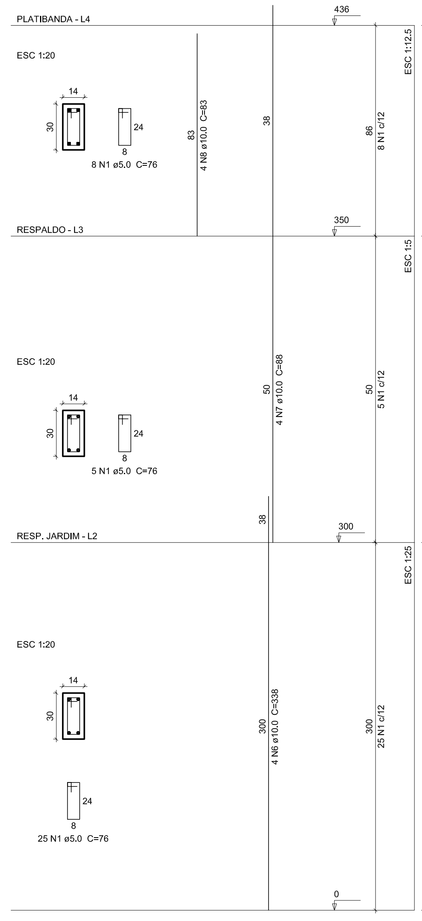
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	204	76	15504
	2	5,0	114	108	12312
	3	5,0	114	29	3306
	4	5,0	75	68	5100
	5	5,0	38	88	3344
CA50	6	10,0	46	338	15548
	7	10,0	34	88	2992
	8	10,0	34	83	2822
	9	10,0	12	297	3564
	10	10,0	12	47	564

Resumo do aço

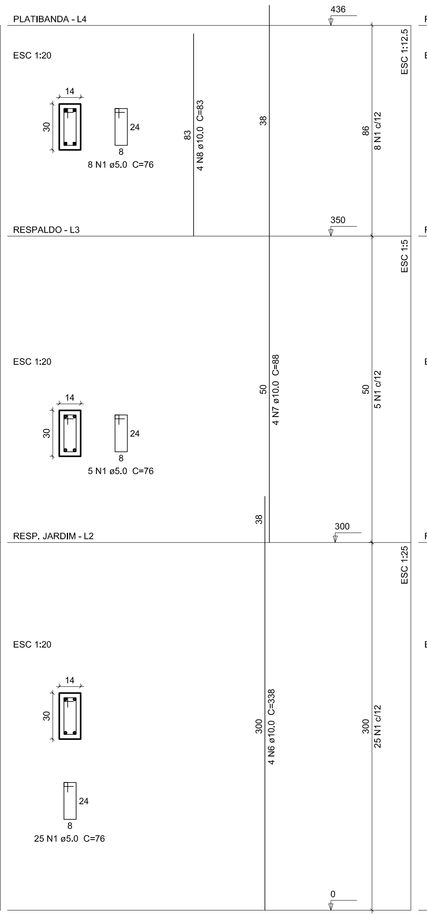
AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10,0	254,9	157,2
CA60	5,0	395,7	61
PESO TOTAL			
CA50	157,2		
CA60	61		

Vol. de concreto total (C-25) = 2,66 m³
Área de forma total = 48,01 m²

P1



P2



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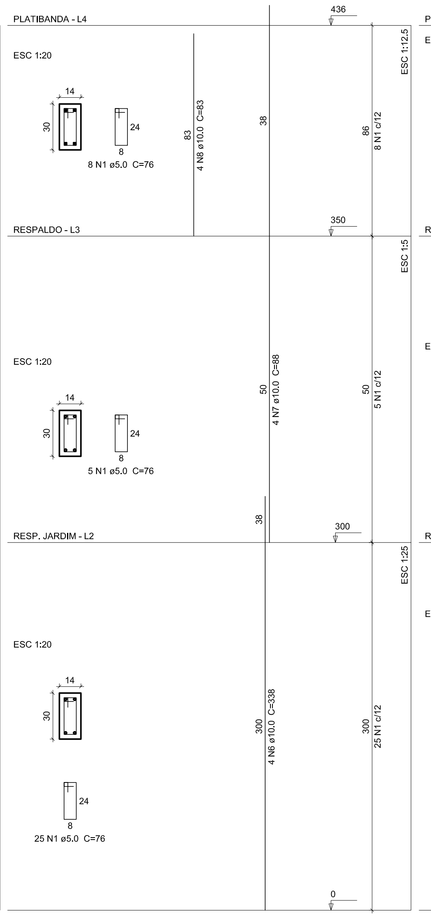

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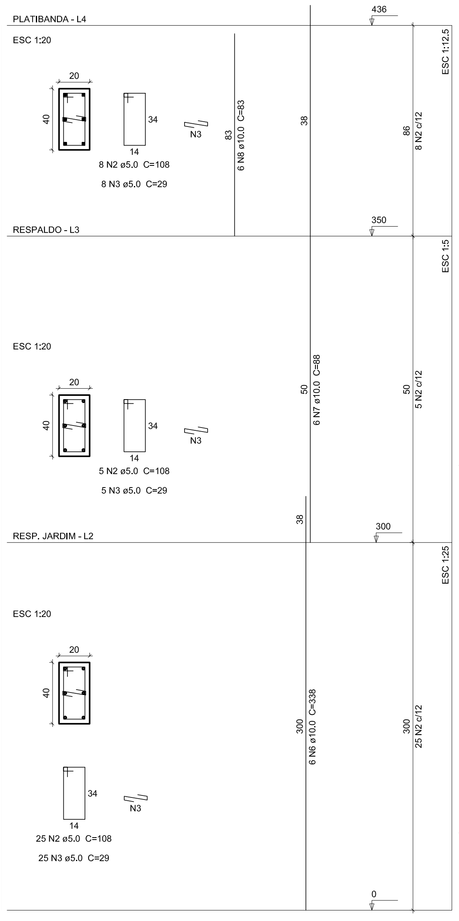
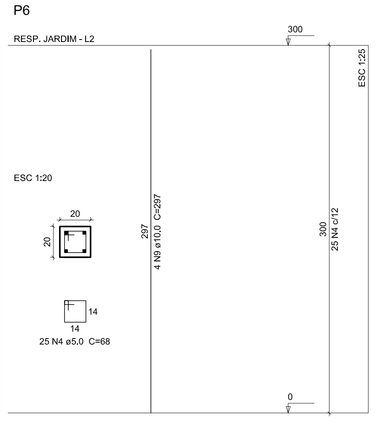


P5

P6



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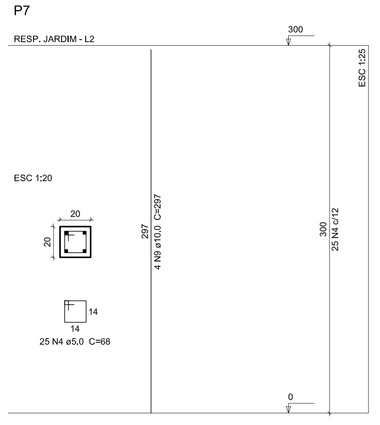

TIPO DA OBRA:
REFORMA E AMPLIAÇÃO DO HOSPITAL MUNICIPAL DE ITAÚBA

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

ÁREAS:
ÁREA TOTAL DA EDIFICAÇÃO.....1.352,67m²
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 (ADMINISTRAÇÃO)
PLANTA DE FORMA - BALDRAMES E PLATIBANDA
VIGAS BALDRAMES E PLATIBANDA
PILARES

FOLHA Nº: 03 /14