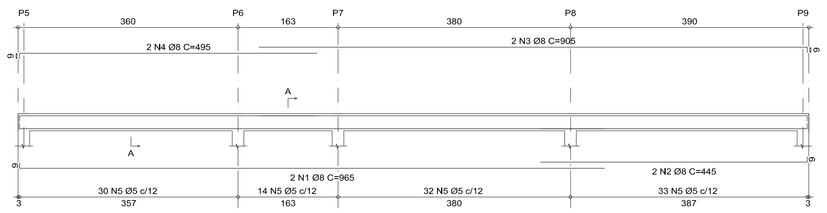
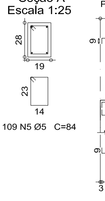
Esta folha é de propriedade do Engenheiro Flávio Barbosa e seu conteúdo não pode ser copiado ou revelado a terceiros. A edição deste material sem comunicar o responsável corresponde em crime, qualquer mudanças deverão ser definidas e aprovadas pelo responsável do projeto, a edição e mudança do conteúdo exime a responsabilidade do projetista.

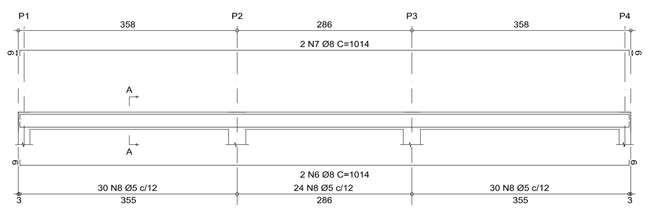
VC1
Escala 1:50



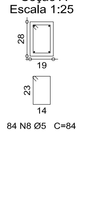
Seção A
Escala 1:25



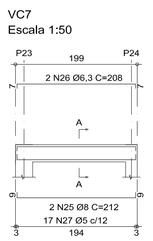
VC2
Escala 1:50



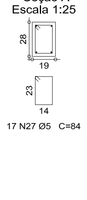
Seção A
Escala 1:25



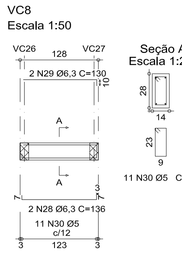
VC7
Escala 1:50



Seção A
Escala 1:25

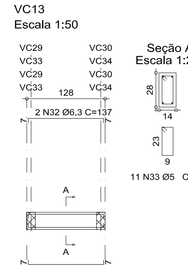


VC8
Escala 1:50



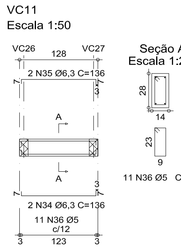
Seção A
Escala 1:25

VC9
VC10
VC12
VC13
Escala 1:50



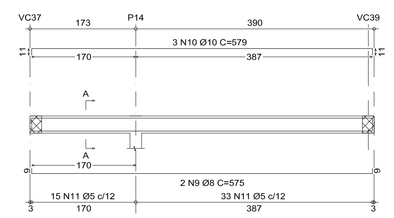
Seção A
Escala 1:25

VC11
Escala 1:50

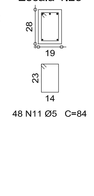


Seção A
Escala 1:25

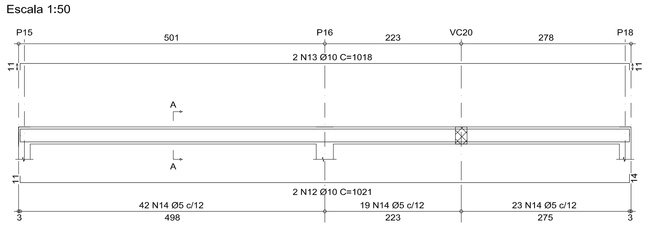
VC3
Escala 1:50



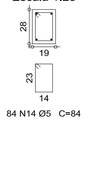
Seção A
Escala 1:25



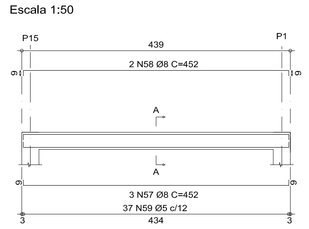
VC4
Escala 1:50



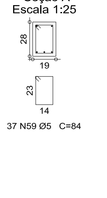
Seção A
Escala 1:25



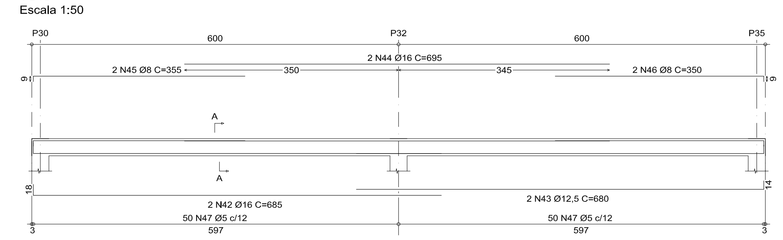
VC19
Escala 1:50



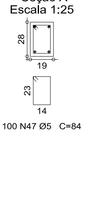
Seção A
Escala 1:25



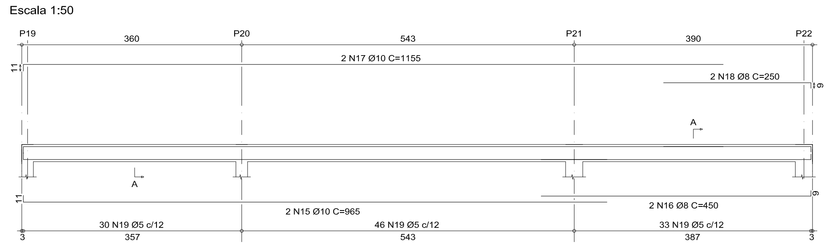
VC15
Escala 1:50



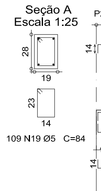
Seção A
Escala 1:25



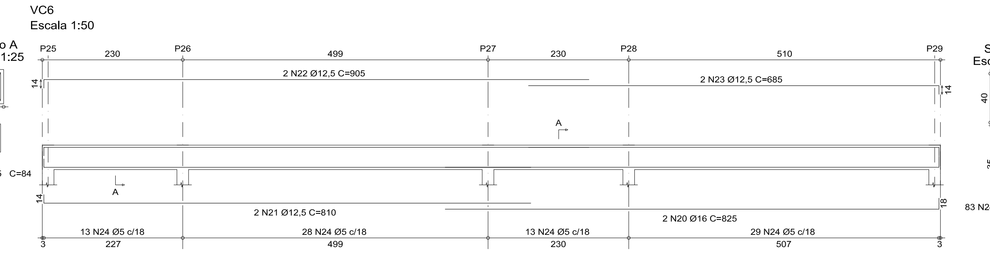
VC5
Escala 1:50



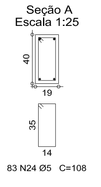
Seção A
Escala 1:25



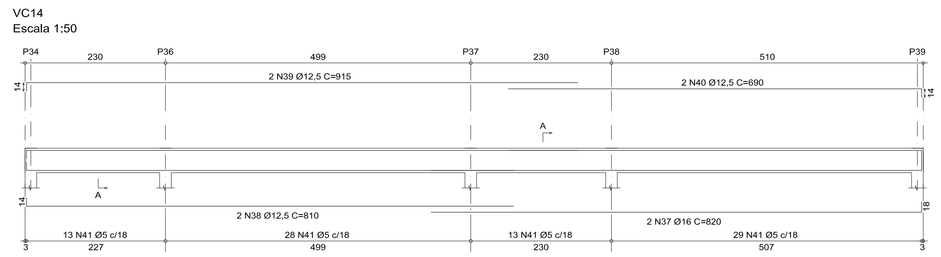
VC6
Escala 1:50



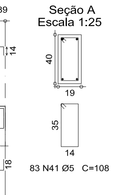
Seção A
Escala 1:25



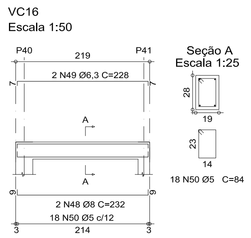
VC14
Escala 1:50



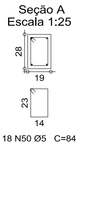
Seção A
Escala 1:25



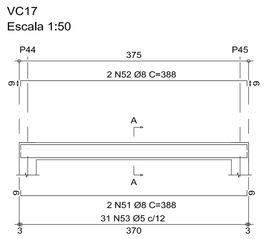
VC16
Escala 1:50



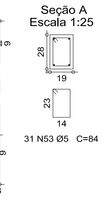
Seção A
Escala 1:25



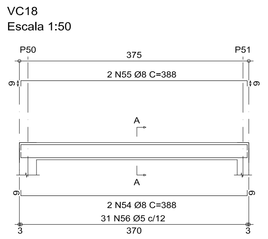
VC17
Escala 1:50



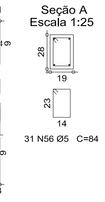
Seção A
Escala 1:25



VC18
Escala 1:50

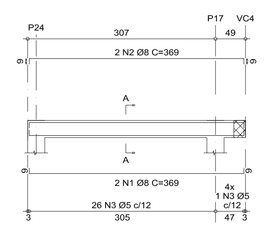


Seção A
Escala 1:25

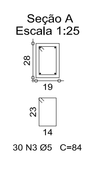


Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)
VC1	1	Ø8	2	9	956			1930	7,6
	2	Ø8	2		436	9	445	890	3,5
	3	Ø8	2		896	9	905	1810	7,1
	4	Ø8	2	9	486		495	990	3,9
	5	Ø5	109				84	9156	14,4
								Total:	36,5
VC2	6	Ø8	2	9	996	9	1014	2028	8,0
	7	Ø8	2	9	996	9	1014	2028	8,0
	8	Ø5	84				84	7056	11,1
								Total:	27,1
VC3	9	Ø8	2	9	557	9	575	1165	4,5
	10	Ø10	3	11	557	11	579	1737	10,7
	11	Ø5	48				84	4032	6,3
								Total:	21,5
VC4	12	Ø10	2	11	996	14	1021	2042	12,6
	13	Ø10	2	11	996	11	1018	2036	12,5
	14	Ø5	84				84	7056	11,1
								Total:	36,2
VC5	15	Ø10	2	11	954		965	1930	11,9
	16	Ø8	2		441	9	450	900	3,6
	17	Ø10	2	11	1144		1155	2310	14,2
	18	Ø8	2		241	9	250	500	2,0
	19	Ø5	109				84	9156	14,4
								Total:	46,1
VC6	20	Ø16	2		807	18	825	1650	26,0
	21	Ø12,5	2	14	796		810	1620	15,6
	22	Ø12,5	2	14	891		905	1810	17,4
	23	Ø12,5	2		671	14	685	1370	13,2
	24	Ø5	83				108	8964	14,1
								Total:	86,3
VC7	25	Ø8	2	9	194	9	212	424	1,7
	26	Ø6,3	2	7	194	7	208	416	1,0
	27	Ø5	17				84	1428	2,2
								Total:	4,9
VC8	28	Ø6,3	2	7	122	7	136	272	0,7
	29	Ø6,3	2		120	10	130	260	0,6
	30	Ø5	11				74	814	1,3
								Total:	2,6
VC9=VC10=VC12=VC13	31	Ø6,3	2	7	123	7	137	274	0,7
	32	Ø6,3	2	7	123	7	137	274	0,7
	33	Ø5	11				74	814	1,3
								Total:	2,7
								(x4):	10,8
VC11	34	Ø6,3	2	7	122	7	136	272	0,7
	35	Ø6,3	2	7	122	7	136	272	0,7
	36	Ø5	11				74	814	1,3
								Total:	2,7
VC14	37	Ø16	2		802	18	820	1640	25,9
	38	Ø12,5	2	14	796		810	1620	15,6
	39	Ø12,5	2	14	901		915	1830	17,6
	40	Ø12,5	2		676	14	690	1380	13,3
	41	Ø5	83				108	8964	14,1
								Total:	86,5
VC15	42	Ø16	2	18	667		685	1370	21,6
	43	Ø12,5	2		666	14	680	1360	13,1
	44	Ø16	2		695		695	1390	21,9
	45	Ø8	2	9	346		355	710	2,8
	46	Ø8	2		341	9	350	700	2,8
	47	Ø5	100				84	8400	13,2
								Total:	75,4
VC16	48	Ø8	2	9	214	9	232	464	1,8
	49	Ø6,3	2	7	214	7	228	456	1,1
	50	Ø5	18				84	1512	2,4
								Total:	5,3
VC17	51	Ø8	2	9	370	9	388	776	3,1
	52	Ø8	2	9	370	9	388	776	3,1
	53	Ø5	31				84	2604	4,1
								Total:	10,3
VC18	54	Ø8	2	9	370	9	388	776	3,1
	55	Ø8	2	9	370	9	388	776	3,1
	56	Ø5	31				84	2604	4,1
								Total:	10,3
VC19	57	Ø8	3	9	434	9	452	1356	5,4
	58	Ø8	2	9	434	9	452	904	3,6
	59	Ø5	37				84	3108	4,9
								Total:	13,9
								Ø5:	124,2
								Ø6,3:	10,4
								Ø8:	78,7
								Ø10:	61,9
								Ø12,5:	105,8
								Ø16:	95,4
								Total:	476,4

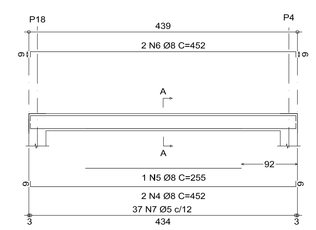
VC20
Escala 1:50



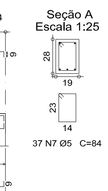
Seção A
Escala 1:25



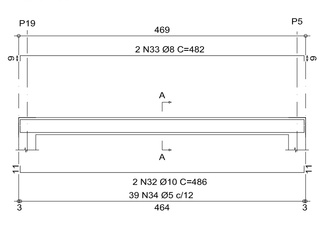
VC21
Escala 1:50



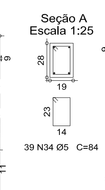
Seção A
Escala 1:25



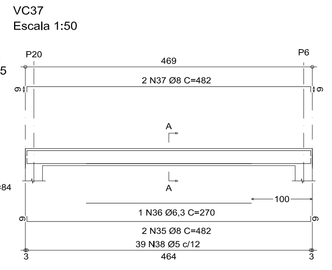
VC35
Escala 1:50



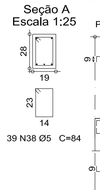
Seção A
Escala 1:25



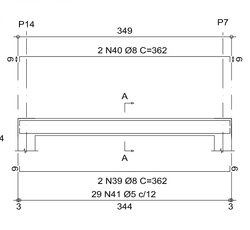
VC37
Escala 1:50



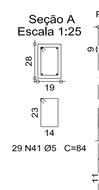
Seção A
Escala 1:25



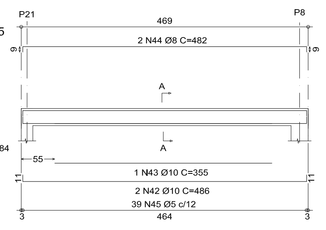
VC38
Escala 1:50



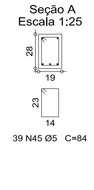
Seção A
Escala 1:25



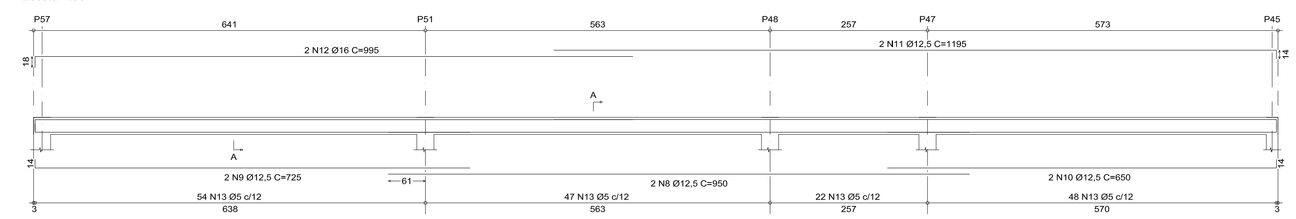
VC39
Escala 1:50



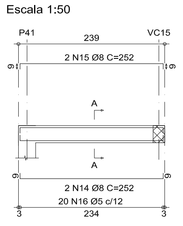
Seção A
Escala 1:25



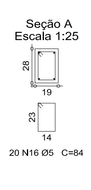
VC22
Escala 1:50



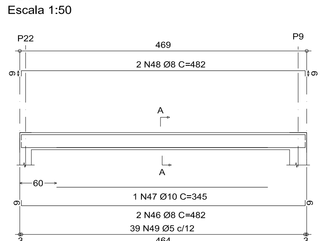
VC23
Escala 1:50



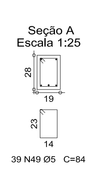
Seção A
Escala 1:25



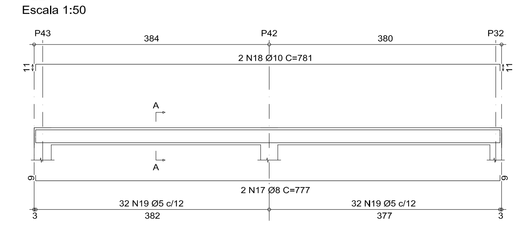
VC40
Escala 1:50



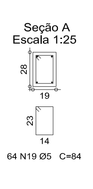
Seção A
Escala 1:25



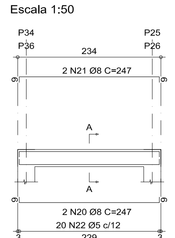
VC24
Escala 1:50



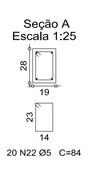
Seção A
Escala 1:25



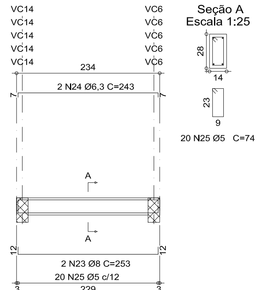
VC25
VC28
Escala 1:50



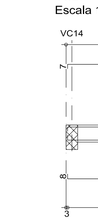
Seção A
Escala 1:25



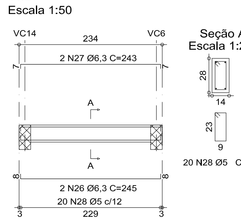
VC26
VC29
VC30
VC33
VC34
Escala 1:50



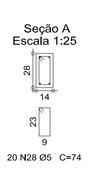
Seção A
Escala 1:25



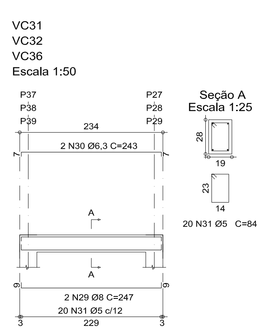
VC27
Escala 1:50



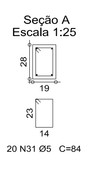
Seção A
Escala 1:25



VC31
VC32
VC36
Escala 1:50



Seção A
Escala 1:25



1:25 ESCALA GRÁFICA
0 0,25 0,5 1,25m

1:50 ESCALA GRÁFICA
0 0,5 1 2,5m

NOTAS:

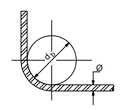
1- MEDIDAS EM CENTÍMETRO E NÍVEIS EM METRO, SALVO INDICAÇÃO CONTRÁRIA.

2- MATERIAIS:
- CONCRETO FCK ≥ 25 MPA (FATOR A/C ≤ 0,60)
- AÇO CA-50

3- COBRIMENTO DA ARMADURA:
- C = 2,5 CM

4- VERIFICAR TODAS AS MEDIDAS E NÍVEIS NA OBRA.

DET. DO DIÂMETRO DO PINO P/ DOBRAMENTO DAS BARRAS



Ø (mm)	d b (cm)
10	5
12,5	6
16	8
20	16
25	20

Ø	EMISSÃO INICIAL	F.B.	F.B.	DEZ/12	
nº	Descrição	Des.	Resp.	Data	Des. nº / Identificação

REVISÃO | DESENHOS DE REFERÊNCIA

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PROJETO ESTRUTURAL
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projeto@barbosaestrutural.com.br

Desenhista: Flávio Barbosa — Data: DEZ/2012
Verificação: Flávio Barbosa — DEZ/2012
Autor do Projeto: Flávio Barbosa — DEZ/2012
Desenho nº: 0000/0000 — Data: DEZ/2012 — Natureza do Projeto: ESTRUTURA — Escala: INDICADA — Revisão: Ø — Folha: 10/10

Cliente:
PREFEITURA MUNICIPAL DE ITAPETININGA
LIMA CASTRO ARQUITETURA

Obra:
EXECUÇÃO DE ESCOLA MUNICIPAL DE ENSINO INFANTIL CENTRO - ITAPETININGA / SP

Assunto:
ARMAÇÃO DAS VC'S.