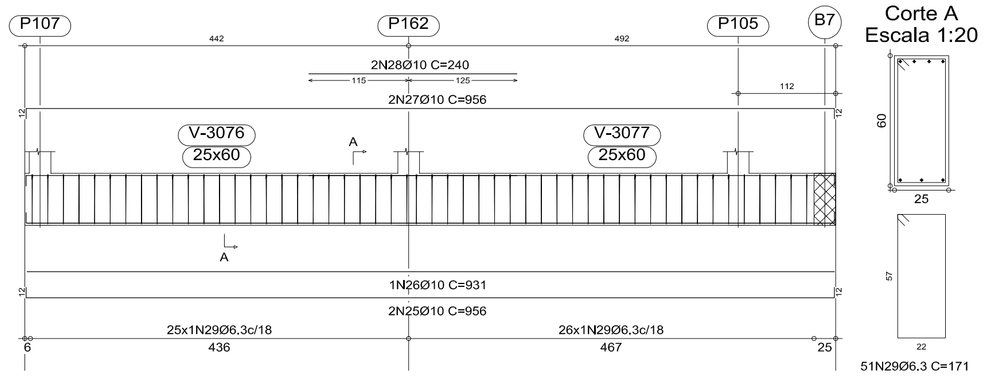
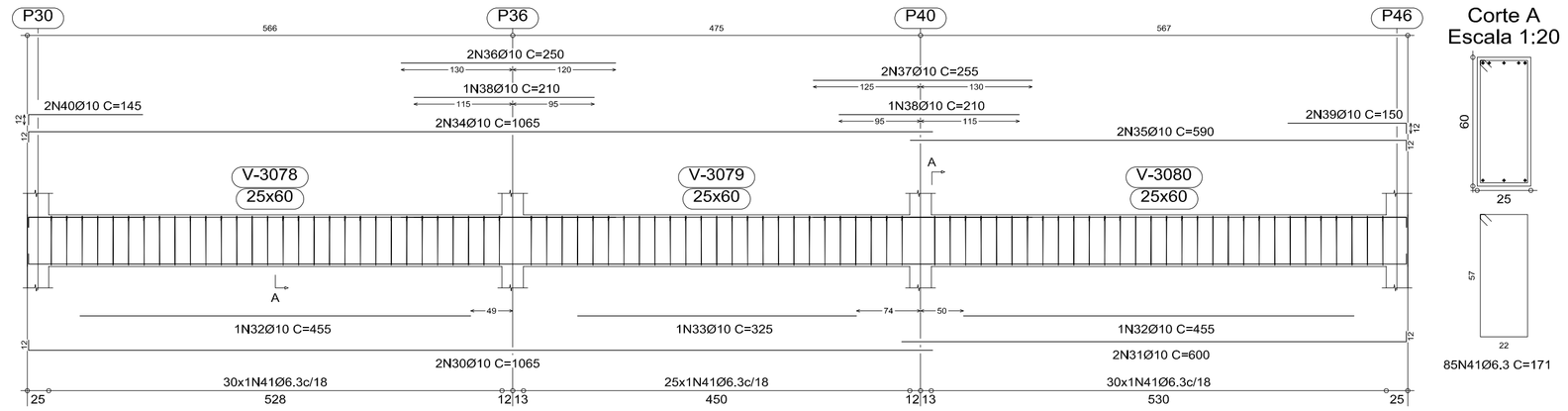
V B321
Escala 1:50



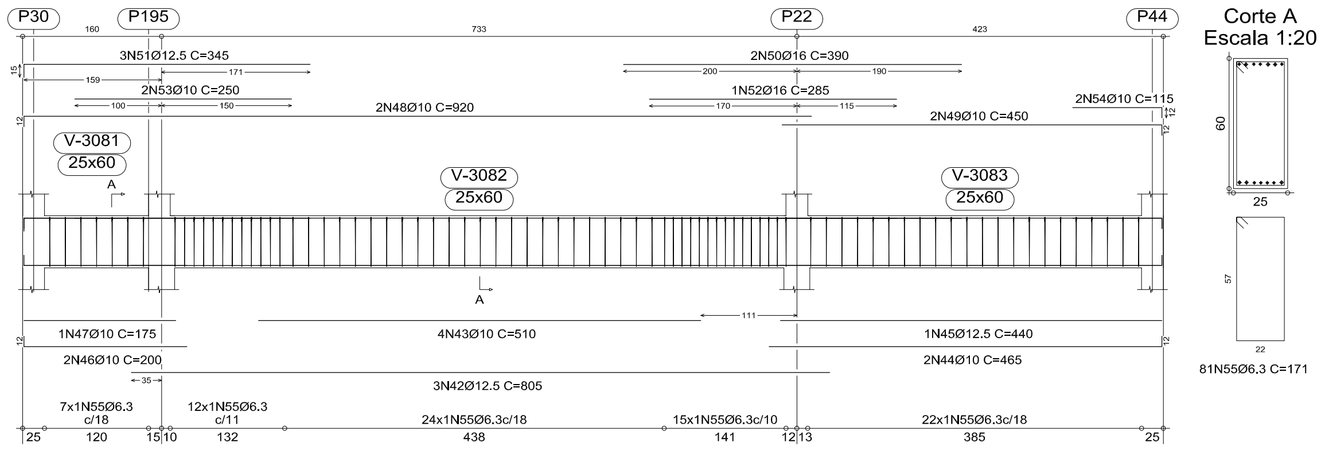
Pilar ou muro apoiado:P107, P105 e P162

Ver esperas no detalhamento de pilares ou vista de muros

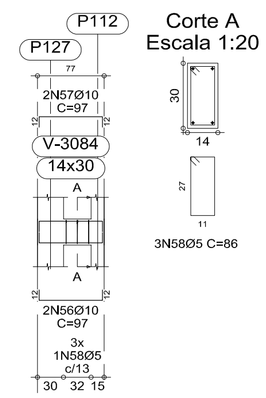
V B322
Escala 1:50



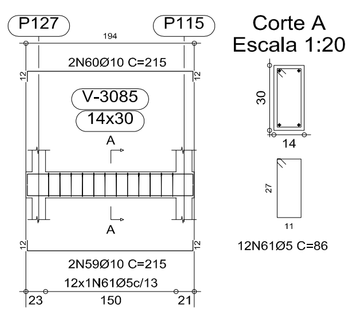
V B323
Escala 1:50



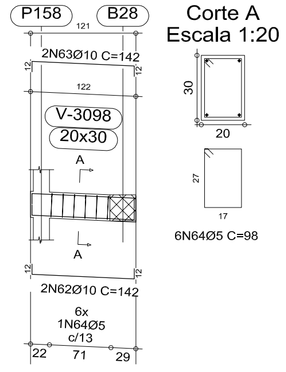
V B324
Escala 1:50



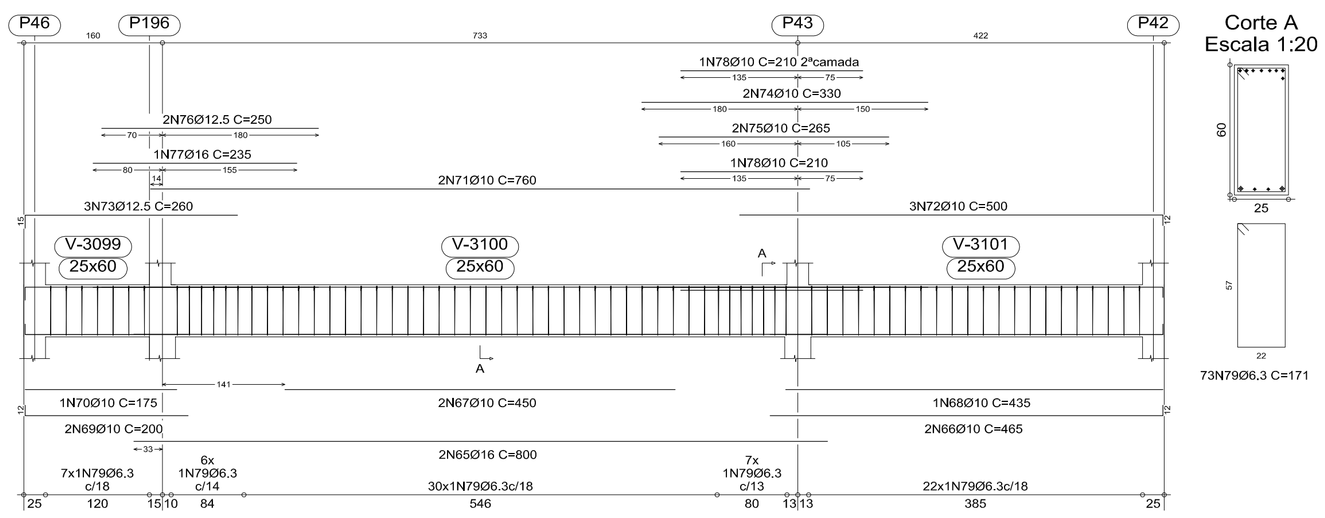
V B325
Escala 1:50



V B332
Escala 1:50

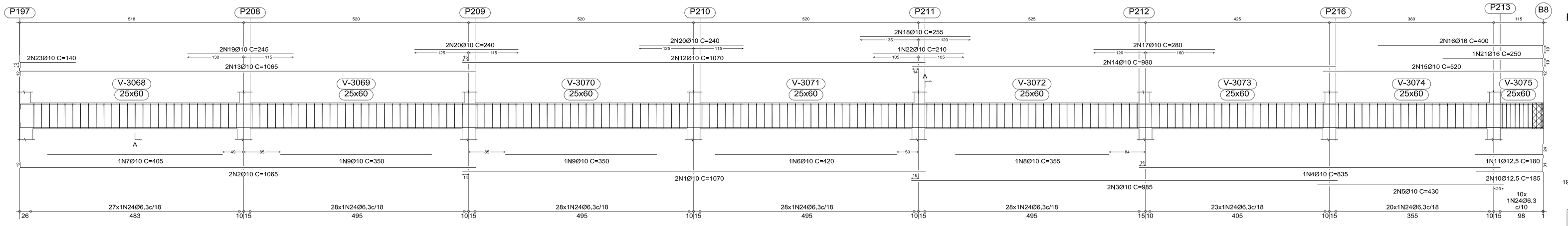


V B333
Escala 1:50



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V B320	1	Ø10	2		1070		1070	2140	13.4	
	2	Ø10	2	12	1053		1065	2130	13.4	
	3	Ø10	2		985		985	1970	12.4	
	4	Ø10	1		835		835	835	5.2	
	5	Ø10	2		430		430	860	5.4	
	6	Ø10	1		420		420	420	2.6	
	7	Ø10	1		405		405	405	2.5	
	8	Ø10	1		355		355	355	2.2	
	9	Ø10	2		350		350	700	4.4	
	10	Ø12.5	2		154	31	185	370	3.6	
	11	Ø12.5	1		156	24	180	180	1.8	
	12	Ø10	2		1070		1070	2140	13.4	
	13	Ø10	2	12	1053		1065	2130	13.4	
	14	Ø10	2		980		980	1960	12.3	
	15	Ø10	2		508	12	520	1040	6.5	
	16	Ø16	2		381	19	400	800	12.6	
	17	Ø10	2		280		280	560	3.5	
	18	Ø10	2		255		255	510	3.2	
	19	Ø10	2		245		245	490	3.1	
	20	Ø10	4		240		240	960	6.0	
	21	Ø16	1		231	19	250	250	3.9	
	22	Ø10	1		210		210	210	1.3	
	23	Ø10	2	12	128		140	280	1.8	
	24	Ø6.3	192				171	32832	81.2	
							Total+10%:	252.0		
V B321	25	Ø10	2	12	932	12	956	1912	12.0	
	26	Ø10	1		931		931	931	5.8	
	27	Ø10	2	12	932	12	956	1912	12.0	
	28	Ø10	2		240		240	480	3.0	
	29	Ø6.3	51				171	8721	21.6	
							Total+10%:	59.8		
V B322	30	Ø10	2	12	1053		1065	2130	13.4	
	31	Ø10	2		588	12	600	1200	7.5	
	32	Ø10	2		455		455	910	5.7	
	33	Ø10	1		325		325	325	2.0	
	34	Ø10	2	12	1053		1065	2130	13.4	
	35	Ø10	2		578	12	590	1180	7.4	
	36	Ø10	2		250		250	500	3.1	
	37	Ø10	2		255		255	510	3.2	
	38	Ø10	2		210		210	420	2.6	
	39	Ø10	2		138	12	150	300	1.9	
	40	Ø10	2	12	133		145	290	1.8	
	41	Ø6.3	85				171	14535	35.9	
							Total+10%:	107.7		
V B323	42	Ø12.5	3		805		805	2415	23.7	
	43	Ø10	4		510		510	2040	12.8	
	44	Ø10	2		453	12	465	930	5.8	
	45	Ø12.5	1		440		440	440	4.3	
	46	Ø10	2	12	188		200	400	2.5	
	47	Ø10	1		175		175	175	1.1	
	48	Ø10	2	12	908		920	1840	11.6	
	49	Ø10	2		438	12	450	900	5.7	
	50	Ø16	2		390		390	780	12.2	
	51	Ø12.5	3	15	330		345	1035	10.2	
	52	Ø16	1		285		285	285	4,5	
	53	Ø10	2		250		250	500	3,1	
	54	Ø10	2		103	12	115	230	1,4	
	55	Ø6.3	80				171	13680	33.8	
							Total+10%:	146.0		
V B324	56	Ø10	2	12	73	12	97	194	1.2	
	57	Ø10	2	12	73	12	97	194	1.2	
	58	Ø5	3				86	258		0.4
							Total+10%:	2.6		0.4
V B325	59	Ø10	2	12	191	12	215	430	2.7	
	60	Ø10	2	12	191	12	215	430	2.7	
	61	Ø5	12				86	1032		1.6
							Total+10%:	5.9		1.8
V B332	62	Ø10	2	12	118	12	142	284	1.8	
	63	Ø10	2	12	118	12	142	284	1.8	
	64	Ø5	6				98	588		0.9
							Total+10%:	4.0		1.0
V B333	65	Ø16	2		800		800	1600	25.1	
	66	Ø10	2		453	12	465	930	5.8	
	67	Ø10	2		450		450	900	5.7	
	68	Ø10	1		435		435	435	2.7	
	69	Ø10	2	12	188		200	400	2.5	
	70	Ø10	1		175		175	175	1.1	
	71	Ø10	2		760		760	1520	9.5	
	72	Ø10	3		488	12	500	1500	9.4	
	73	Ø12.5	3	15	245		260	780	7,7	
	74	Ø10	2		330		330	660	4,1	
	75	Ø10	2		265		265	530	3.3	
	76	Ø12.5	2		250		250	500	4.9	
	77	Ø16	1		235		235	235	3,7	
	78	Ø10	2		210		210	420	2.6	
	79	Ø6.3	72				171	12312	30.4	
							Total+10%:	130.4		
							Ø5:	0.0		3.2
							Ø6.3:	223.2		0.0
							Ø10:	355.2		0.0
							Ø12.5:	61.7		0.0
							Ø16:	68.3		0.0
							Total:	708.4		3.2

V B320
Escala 1:50



PRIMEIRA LAJE
Desenho de vigas
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1;50
Escala seções: 1:20

REVISÕES			
NR.	-	AUTOR	DATA
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

PARA APROVAÇÃO	ASS:	DATA:	ORDEM DE SERVIÇO: 01618
X LIBERADO P/ FABRICAÇÃO	ASS: ENG. REINALDO	DATA: 16/08/2010	

CONNECT DESIGN© — TODOS OS DIREITOS RESERVADOS — PROIBIDA A REPRODUÇÃO SEM AUTORIZAÇÃO PRÉVIA

Des: ENG. REINALDO — Data: 16/08/2010
Proj.: CONNECT — Data: 16/08/2010
Dimensões: CM — Arquivo: STR-01618-026-REV00

CONNECT — TECNOLOGIA EM PROJETOS
Rua João Passos, 1880 - CEP 18602-140 Botucatu - SP
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OBRA: AMPLIAÇÃO DO AMBULATÓRIO MÉDICO DE ESPECIALIDADES		ESTRUTURAL
LOCAL: HOSPITAL DAS CLÍNICAS - BOTUCATU	REVISÃO: 00	FOLHA 26/56
PRANCHA: ARMAÇÃO DAS VIGAS DA PRIMEIRA LAJE- SETOR B- COTA 100	ESCALAS: GERAL	