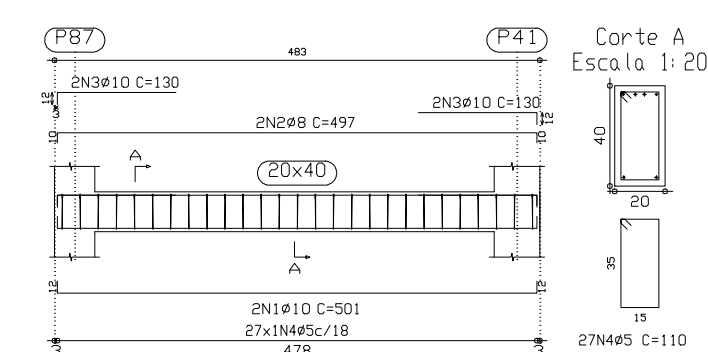
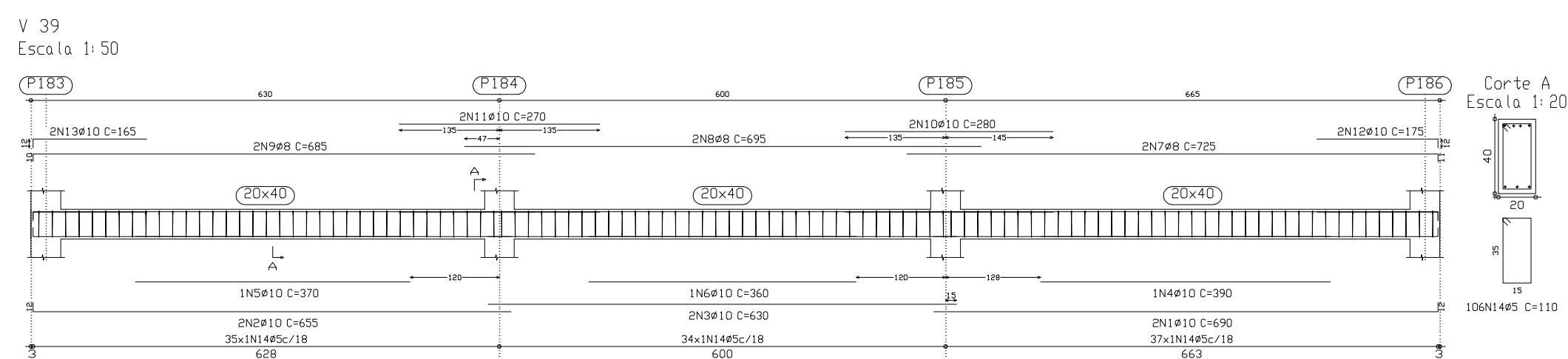
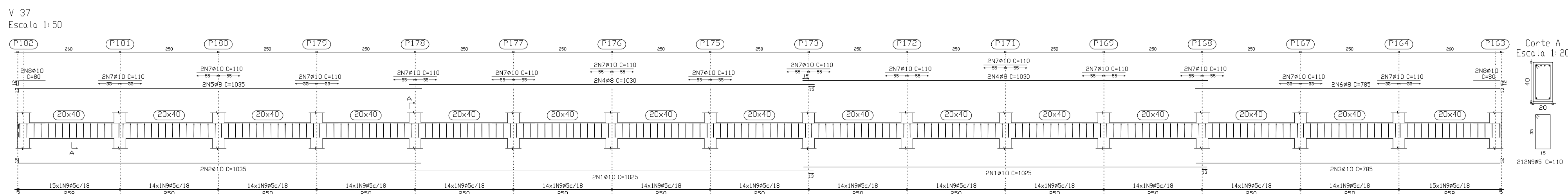
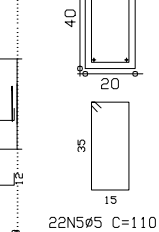
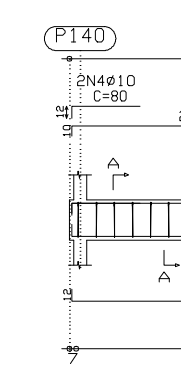
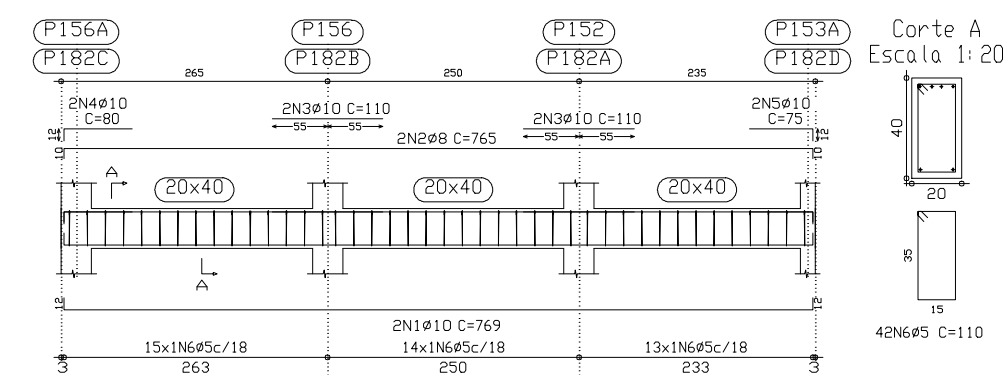
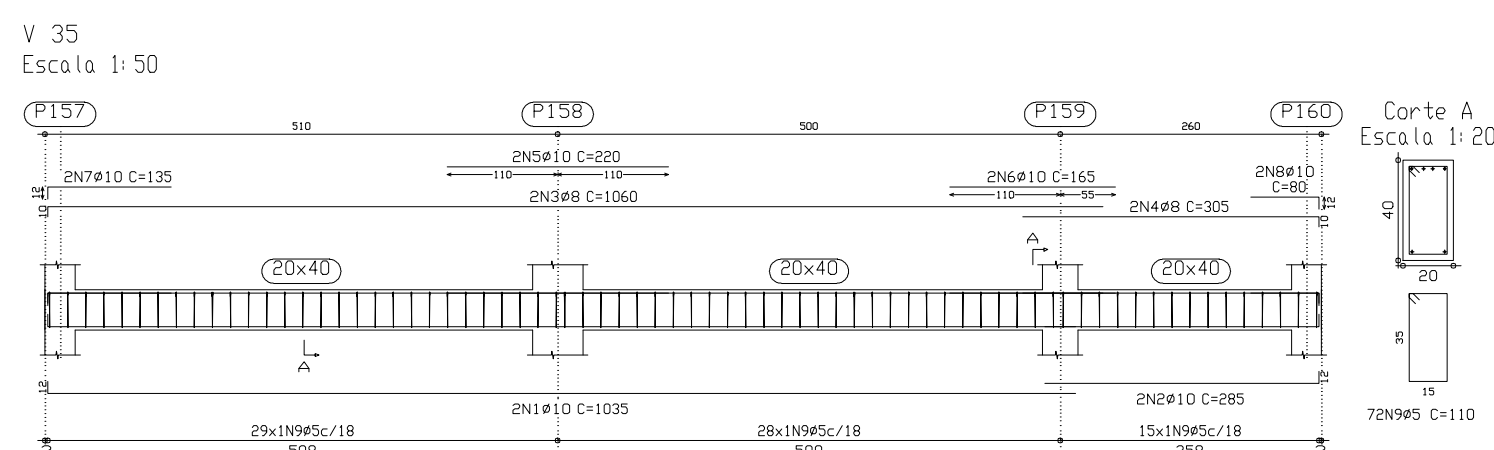
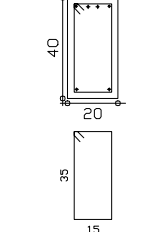
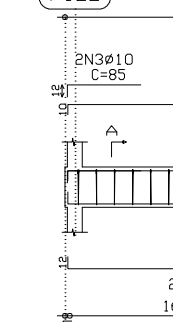
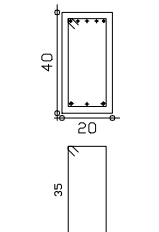
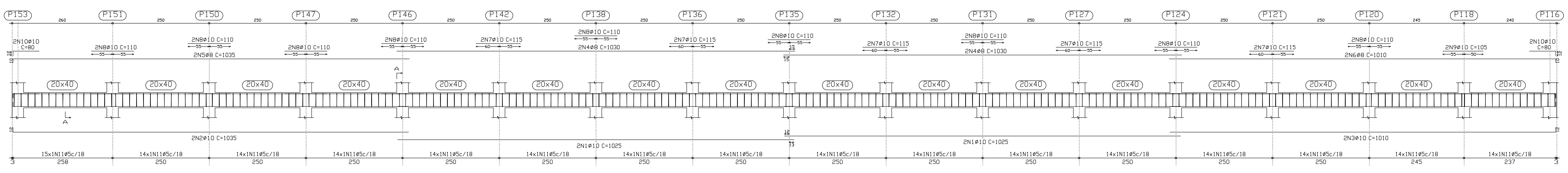
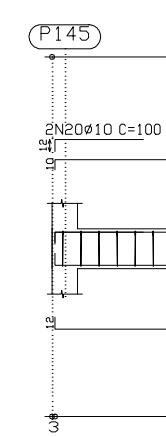
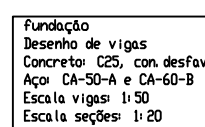
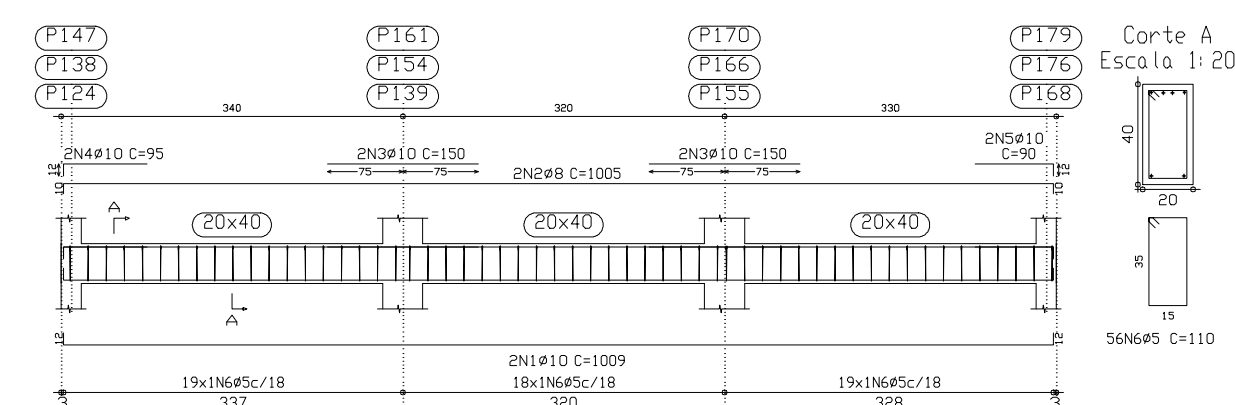
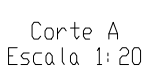
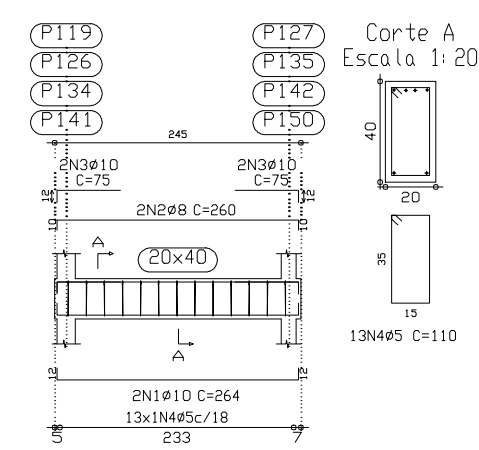




Elemento	Pos	Diam. (mm)	Q (cm)	Ar (cm)	Ar (cm)	Comp (cm)	Total (cm)	Ar (kg)	Ar (kg)
V 26-V 30-V 34	1	Ø10	2	12	240	12	264	568	3.3
	2	Ø8	3	10	240	10	250	520	2.0
	3	Ø10	4	12	243		75	300	1.9
	4	Ø5	13				110	1430	2.2
							Total=10x4	7.9	2.4
								31.6	9.6
V 27	1	Ø12.5	2	12	720	12	720	1440	14.1
	2	Ø10	3	10	720	10	730	1460	14.3

		Total=1026		2001	
F 28	1 #12 S	785	785	1574	46.1
	2 #12 S	780	780	4680	65.9
	3 #12 S	663	12	675	1350 85
	4 #10 S	450		450	45.0 2.9
	5 #10 S	450		450	1350 85
	6 #10 S	300		300	300 85
	7 #10 S	300		300	300 85
	8 #10 S	300		300	300 85
	9 #10 S	110		110	110 8.9
	10 #10 S	110		110	110 8.9
	11 #10 S	1155		1155	2310 14.9
	12 #10 S	845		845	845 14.9
	13 #10 S	694	16	710	1420 56.6
	14 #10 S	330		330	670 4.2
	15 #10 S	310		310	620 3.9
	16 #10 S	310		310	620 3.9
	17 #10 S	300		300	600 3.8
	18 #10 S	300		300	600 3.8
	19 #10 S	285		285	285 3.1
	20 #10 S	245		245	490 3.8
	21 #10 S	220		220	220 1.4
	22 #10 S	153	15	165	330 2.1
	23 #10 S	88		88	176 2.1
	24 #10 S	100		100	200 1.1
25 #10 S	224		224	448 2.1	
			10	24640	38.7

	3	10	2	996	12	1010	2020	12.7	
	4	9	4	1020	10	1030	2060	12.8	
	5	8	2	10	1025	1035	2070	8.1	
	6	8	2	1000	10	1010	2020	7.9	
	7	9	10	115	115	115	211	2.3	
	8	10	18	110	110	110	1980	12.4	
	9	10	10	68	105	105	211	3.3	
	10	10	4	68	12	80	350	2.0	
	11	25	225			10	24750		38.9
	Total=10515								42.8
V 33	1	10	10	986	12	1010	2020	12.7	
	2	9	2	10	295	305	610	2.4	
	3	10	2	145		145	290	1.6	
	4	10	2	68		80	160	1.0	
	5	25	225			10	2420		3.8

		9	05	72				110	7920		12.4
								Total*10%		38.4	13.6
V 36=V 38	1	010	2	12	745	12	769	1538	9.7		
	2	08	2	10	745	10	765	1530	6.0		
	3	010	4		110		110	440	2.8		
	4	010	4	12	68		80	160	1.0		
	5	010	4		63	12	75	150	0.9		
	6	05	42				110	4620			7.3
								Total*10%	22.4		8.0

[illegible]

910	473.9	0.0
912.5	82.9	0.0
Total	765.9	249.7

OBSERVAÇÕES

- Medidas das cotas em cm (exceto onde indicado)
- Verificar medidas na obra
- Molhar as formas antes da concretagem
- Usar espaçadores para garantir recobrimento do aço
- Nas armações negativas das lajes – usar “carangueijos”
- Cura mínima = 7 dias
- Descimbramento(formas) = mínimo de 28 dias
- Todas as peças de concreto em contato com o solo devem ser executadas sobre lastro de concreto magro $c/f = e=5cm$
- Em caso de dúvidas, contactar o Calculista

Fator A/C (max.): < 0.60		FORMAS: C. Res.	ADITIVO:

Nº	DATA	DESCRIÇÃO	VISTO

PAVILHÃO DE SALAS DE AULA II
CAMPUS UNAI - JANAUBA

TÍTULO	ARMAÇÃO DE VIGAS BALDRAME - 04
ALINHAMENTO, DIMENSÃO, QUANTIDADE E DISTRIBUIÇÃO DAS ARMADURAS.	

VERSÃO:	DATA:	AUTOCAD:	FOLHA:
VERSÃO 1	17.10.2012		4