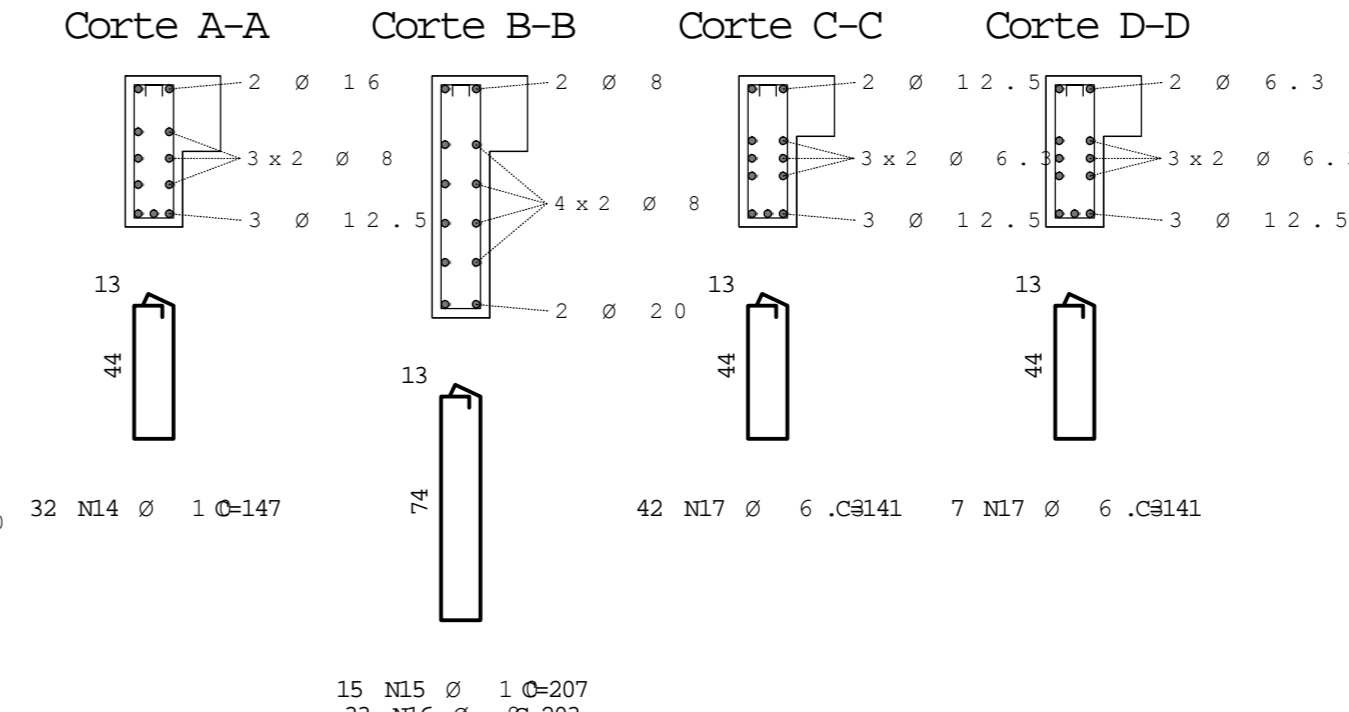
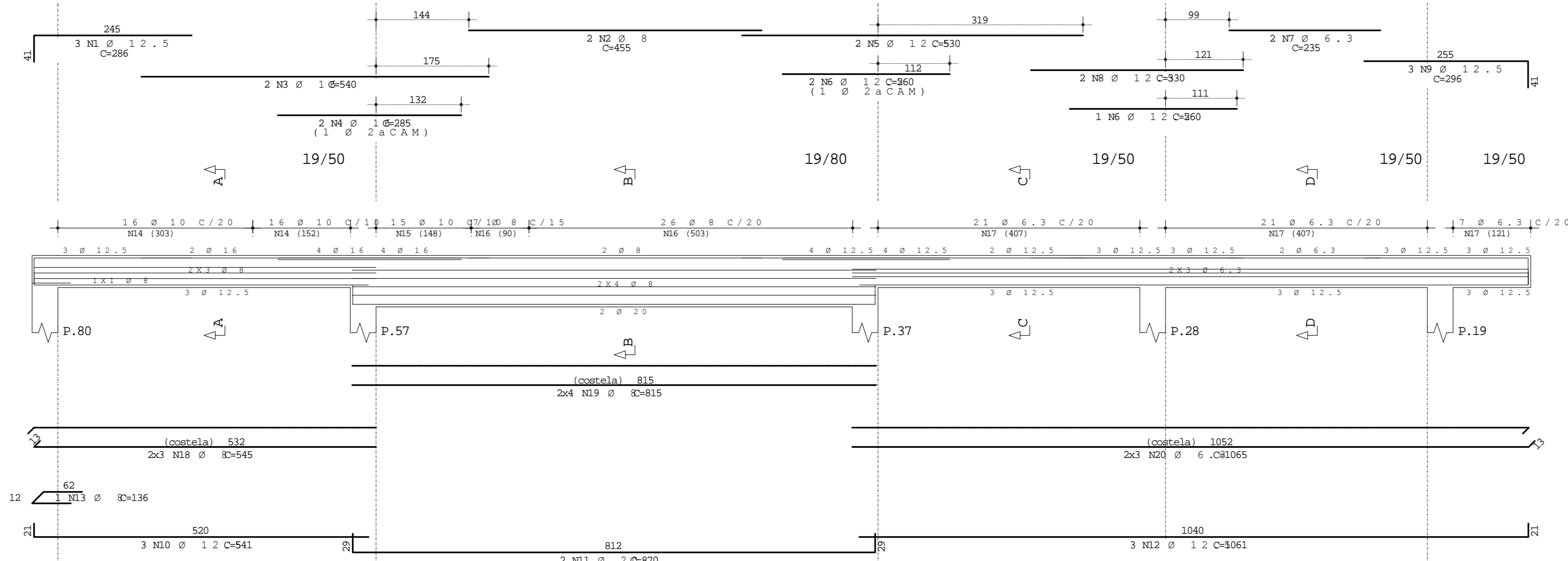
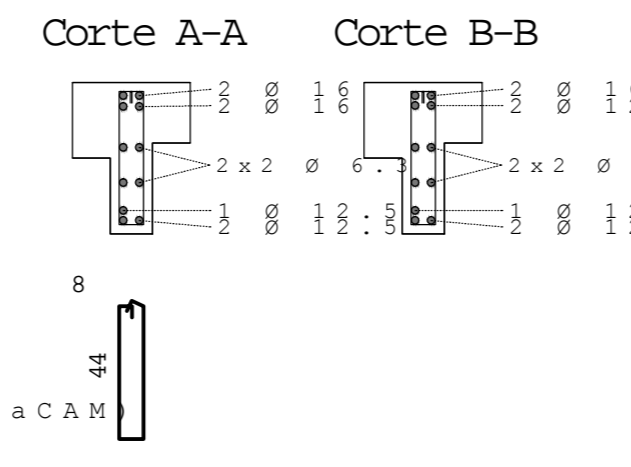
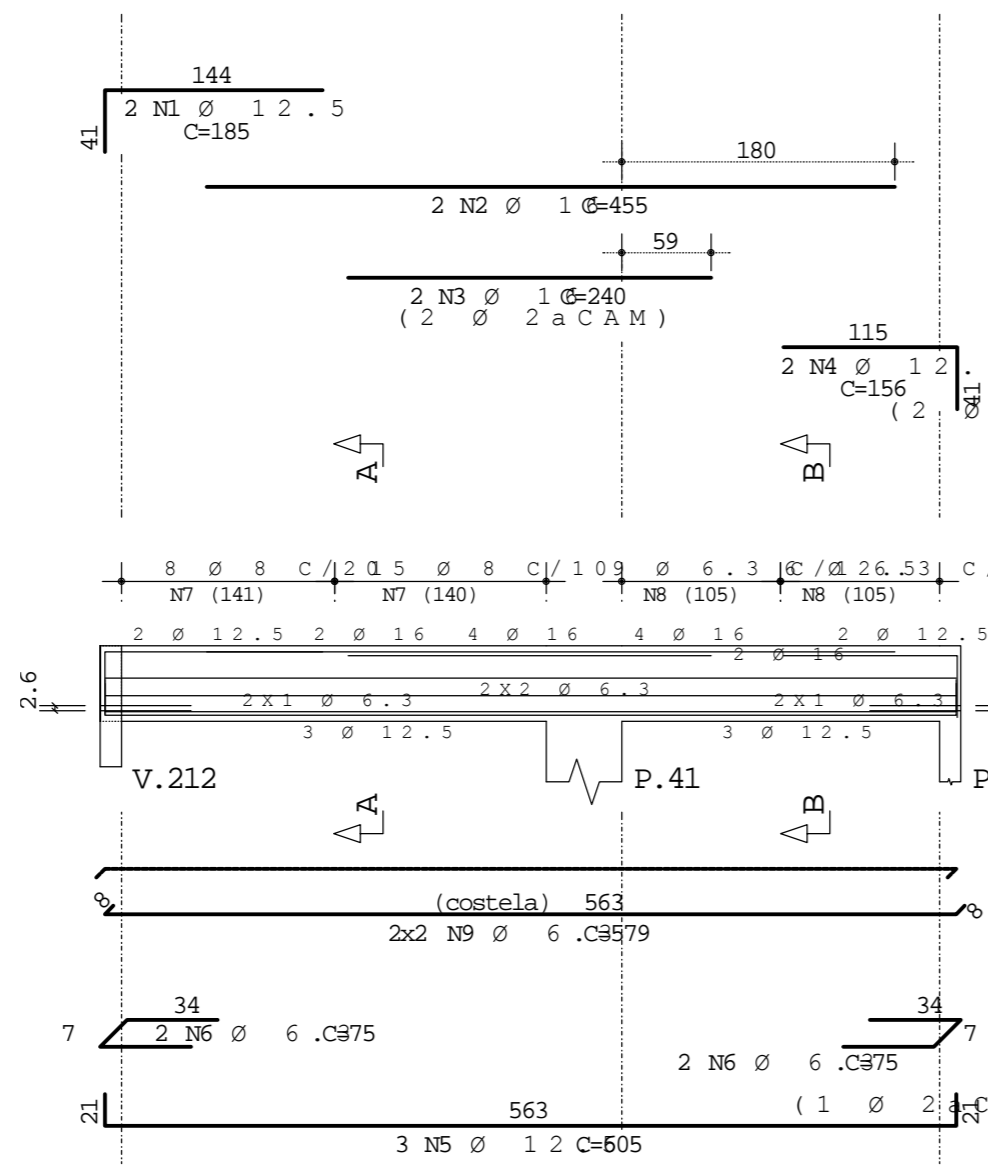


V.238

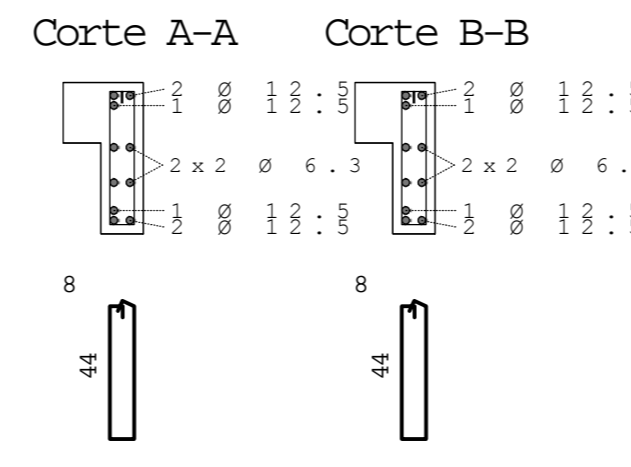
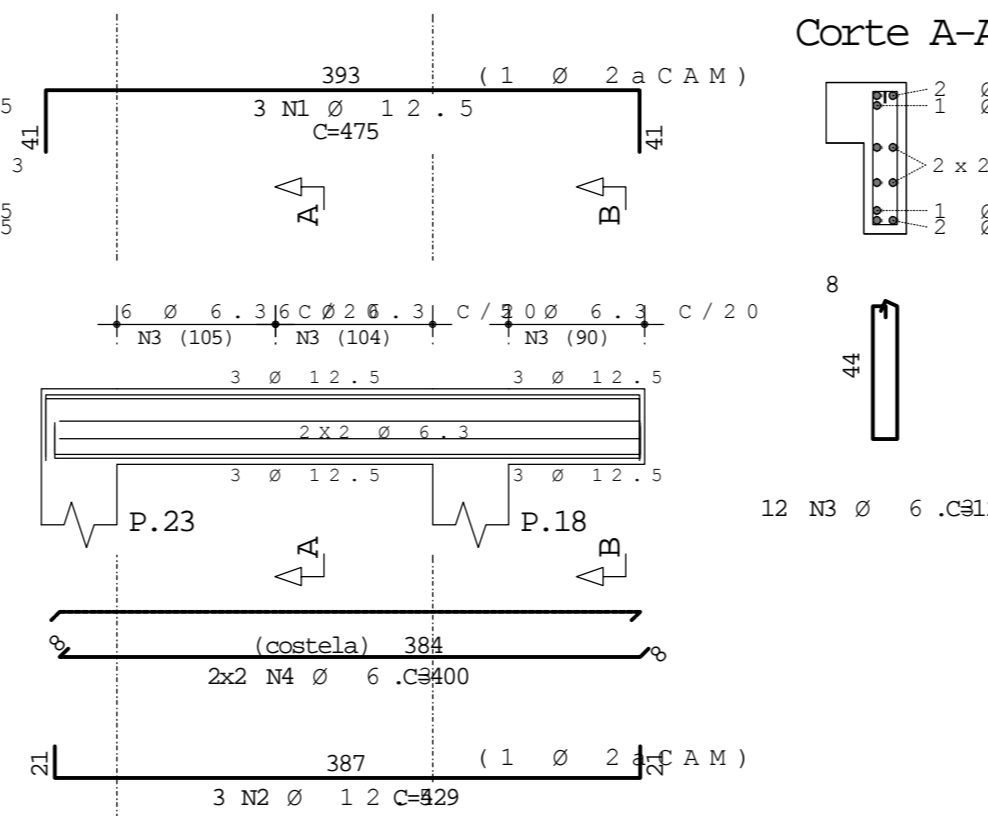


AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO	
				UNID	TOTAL (cm)
V.233					
50A	1	12.5	3	186	558
50A	2	16	2	455	910
50A	3	16	2	340	680
50A	4	12.5	2	156	312
50A	5	12.5	1	605	1815
50A	6	6.3	4	75	300
50A	7	8	23	128	2944
50A	8	6.3	15	126	1890
50A	9	6.3	4	879	2316
V.234					
50A	1	12.5	3	418	1254
50A	2	12.5	3	367	1101
50A	3	6.3	13	126	1638
50A	4	6.3	2	336	672
V.235					
50A	1	12.5	3	383	1149
50A	2	12.5	3	338	1014
50A	3	6.3	13	126	1638
50A	4	6.3	4	310	1240
V.236					
50A	1	12.5	3	476	1428
50A	2	12.5	3	429	1287
50A	3	6.3	13	126	1638
50A	4	6.3	4	400	1600
V.237					
50A	1	12.5	3	211	633
50A	2	12.5	3	172	516
50A	3	6.3	1	85	85
50A	4	6.3	6	126	756
50A	5	6.3	2	147	294
V.238					
50A	1	12.5	3	386	1158
50A	2	16	2	455	910
50A	3	16	2	340	680
50A	4	12.5	2	285	570
50A	5	12.5	2	530	1060
50A	6	12.5	3	360	1080
50A	7	6.3	4	90	360
50A	8	12.5	2	330	660
50A	9	12.5	3	396	1188
50A	10	12.5	3	541	1623
50A	11	20	2	470	940
50A	12	12.5	3	190	570
50A	13	8	1	136	136
50A	14	10	32	147	4704
50A	15	10	15	207	3105
50A	16	8	23	303	6669
50A	17	6.3	49	141	6909
50A	18	8	6	545	3270
50A	19	8	8	815	6520
50A	20	6.3	6	1065	6390

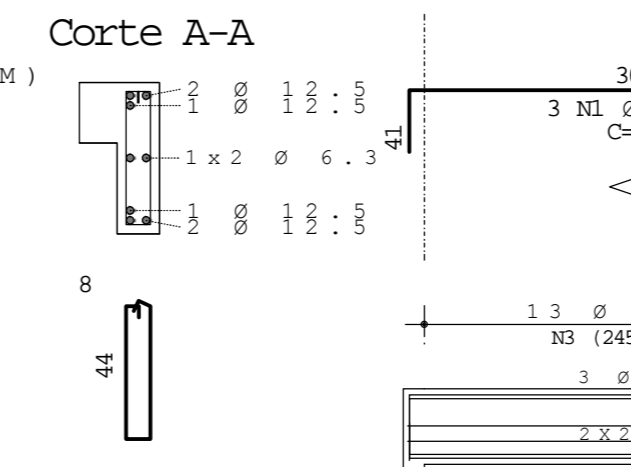
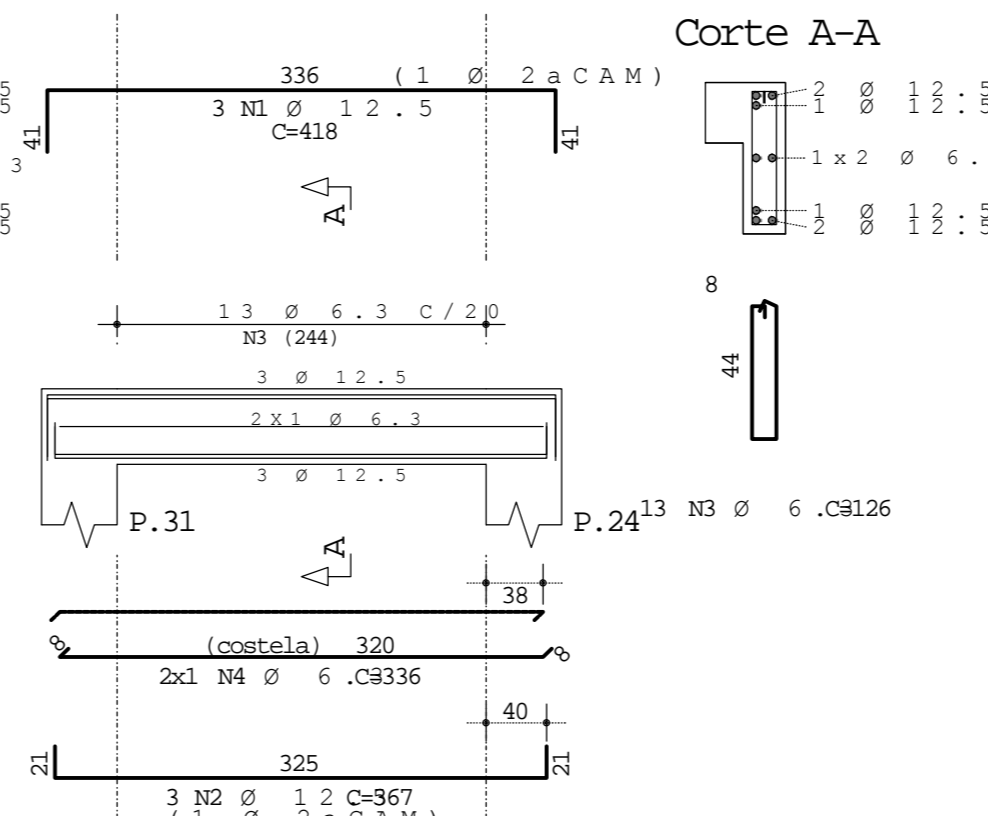
V.233



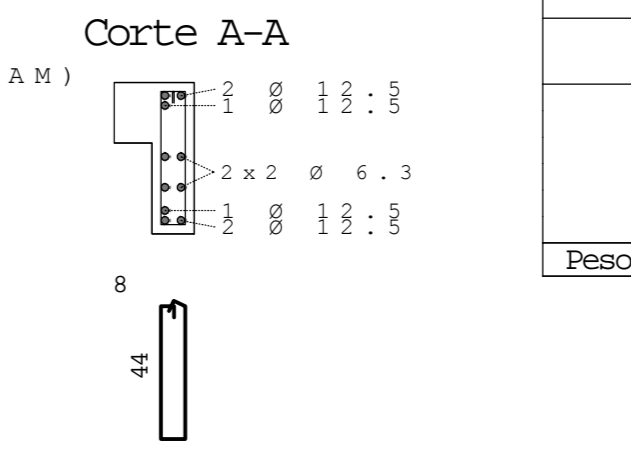
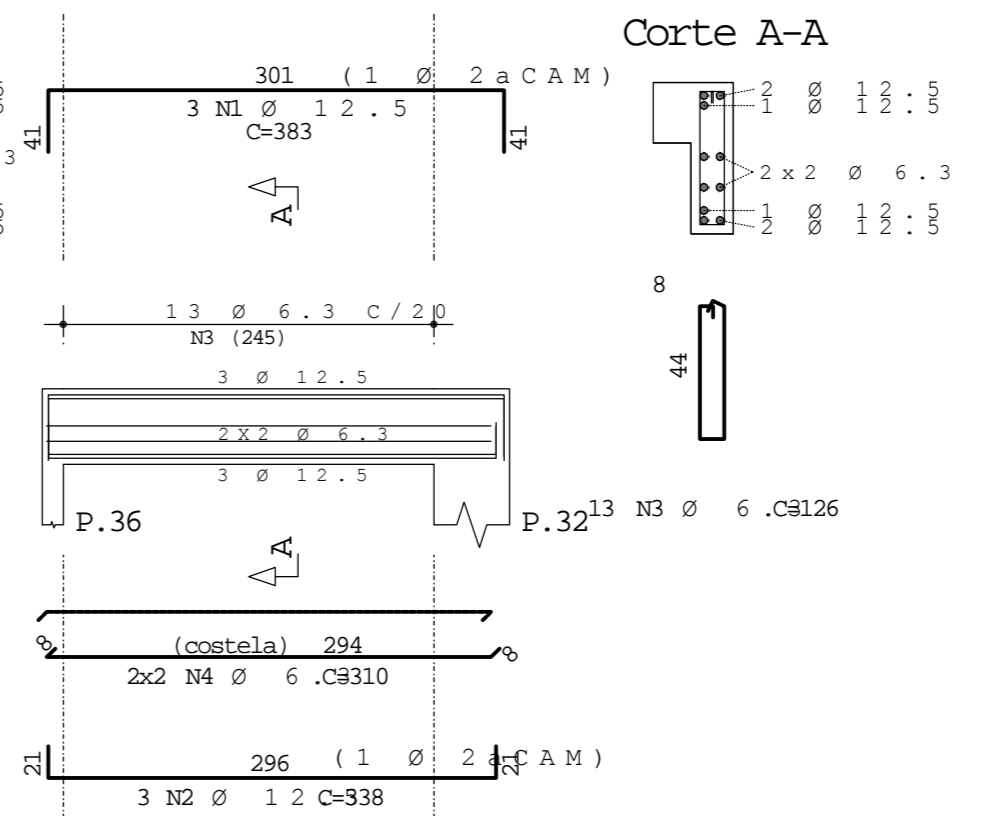
V.236



V.234

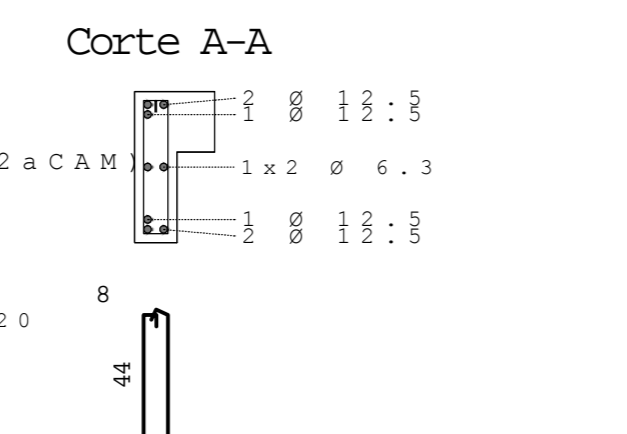
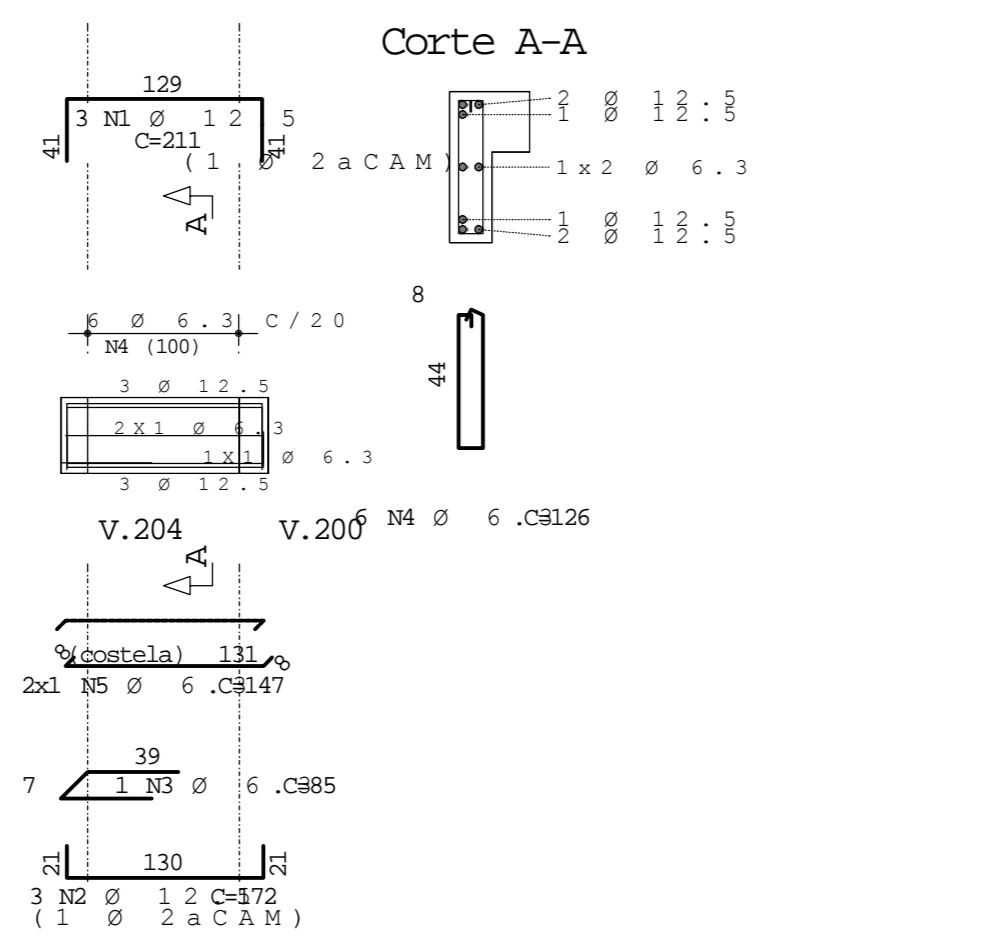


V.235



RESUMO AÇO CA 50 - 60				
AÇO	BIT (mm)	COMPR	QUANT	PESO (kg)
50A	6.3	283	1	71
50A	8	295	1	82
50A	10	78	1	49
50A	12.5	399	1	199
50A	16	30	1	49
50A	20	17	1	44
Peso Total:				493 kg

V.237



CONCRETO: fck=30MPa

MÓDULO DE DEFORMAÇÃO ESTATICO			
fck	Consumo de Cimento	Relação Água/Cimento A/C	Ecs
30 MPa	400 kg	0.55	26 GPa

REV.	DATA	REVISÃO	APROVADO POR



PROJETO FUNCIONAL DE REFORMA DE ESCOLA
 ESCOLA MUNICIPAL AMADEU CARLETTI JR.
 RUA ESCOLA, BARRIO: VILA BRITÂNIA, CAMPOS DO JORDÃO - SP.
 ESTRUTURAL
 ARMAÇÃO DAS VIGAS DE COBERTURA
 ÁREA DE PROJ. CAMPOS DO JORDÃO-SP
 SUB-ÁREA PROJ. EDUCAÇÃO

Nº	004
PROJETO	AC315600 - OCEAST
ESCALA	FL. 31/56
REVISÃO	00 DATA: MAR/2014