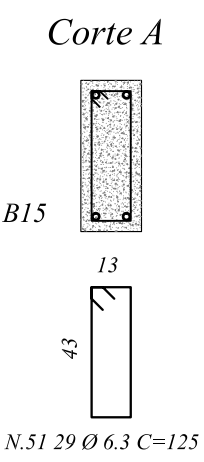
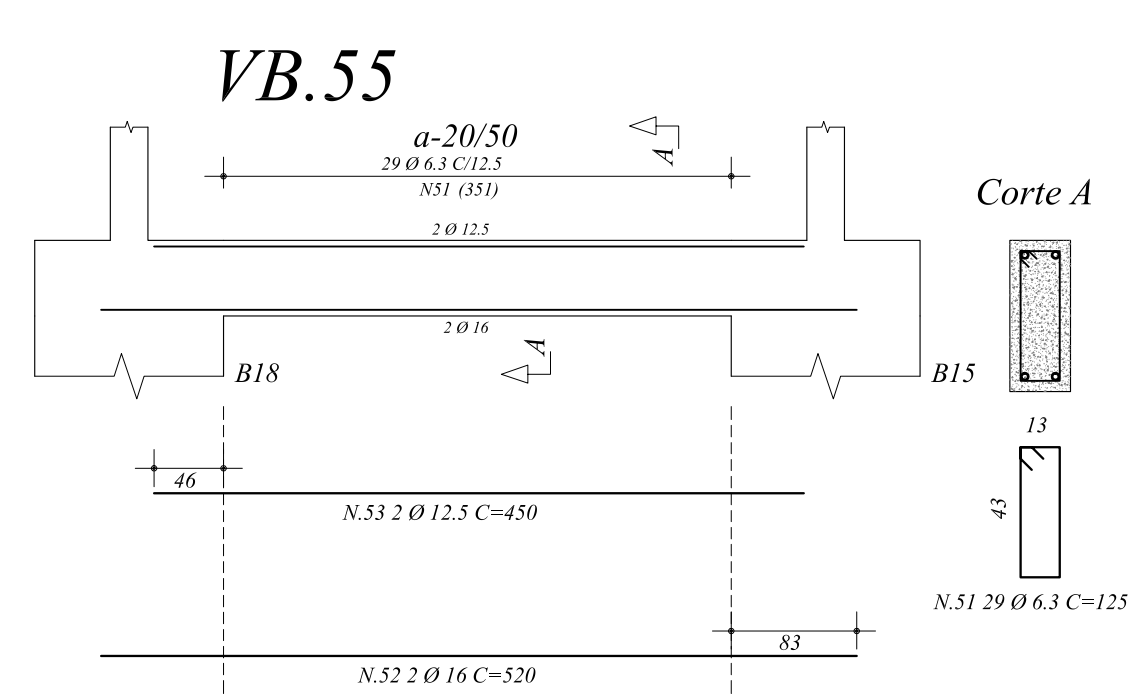
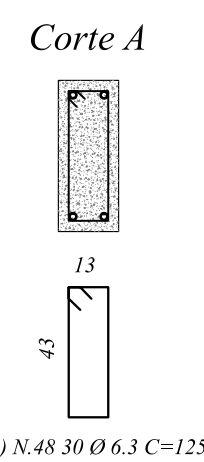
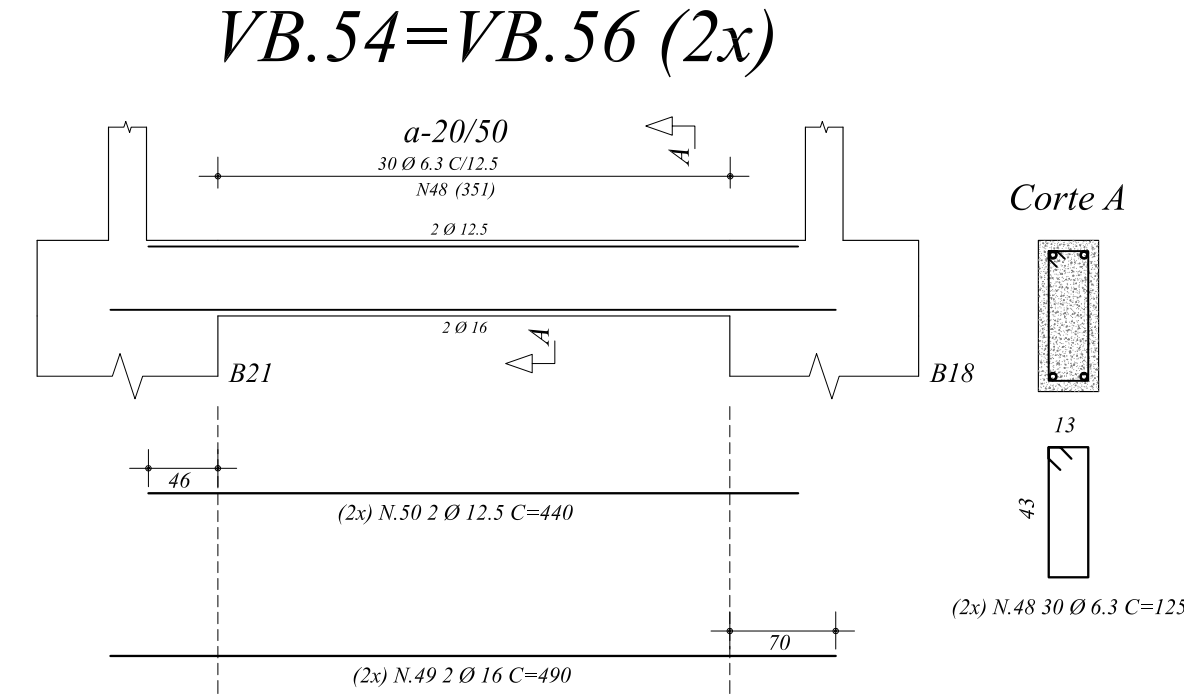
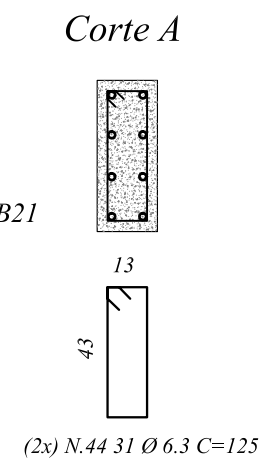
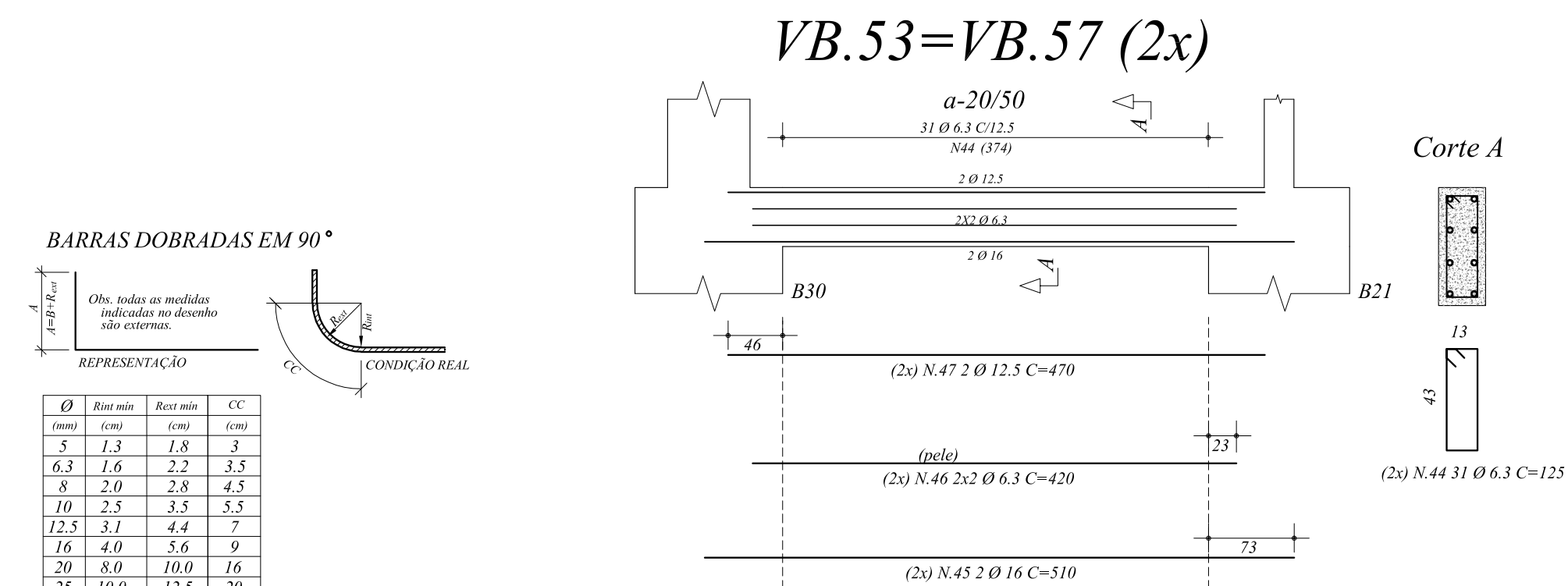
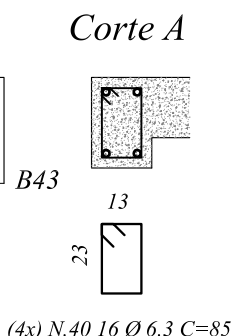
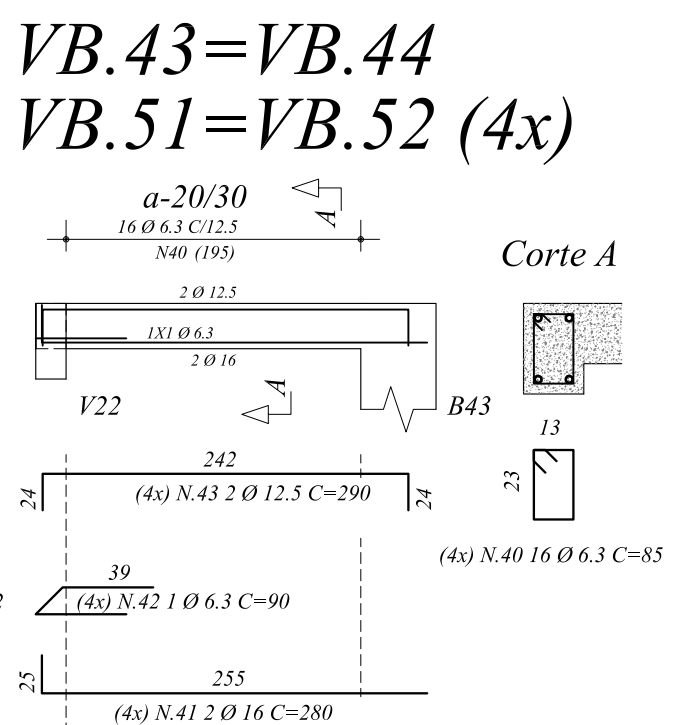
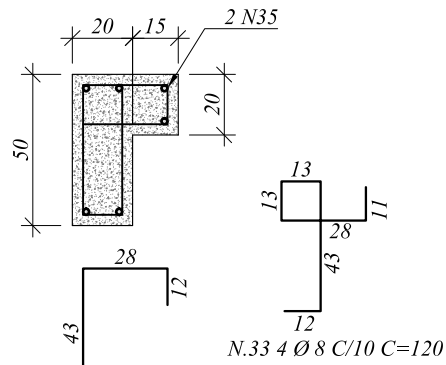
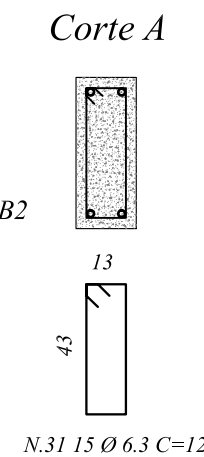
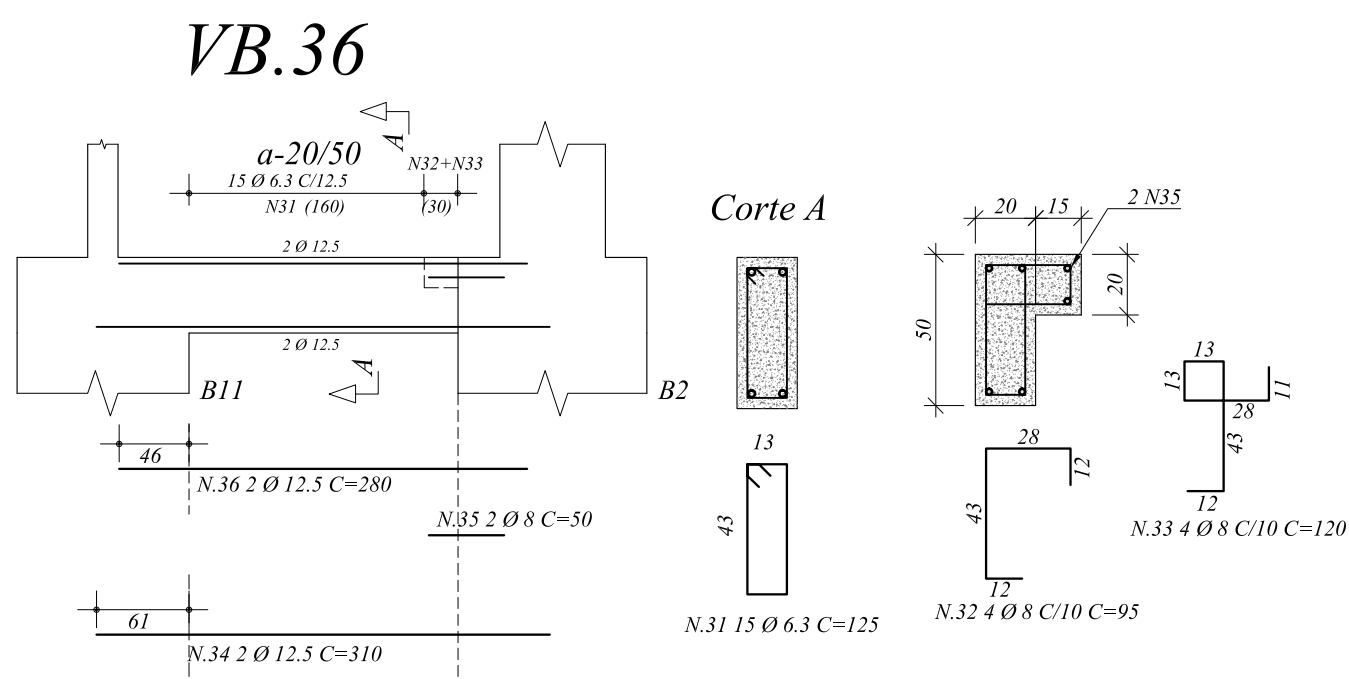
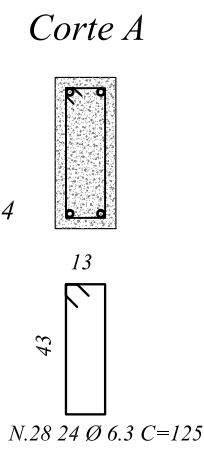
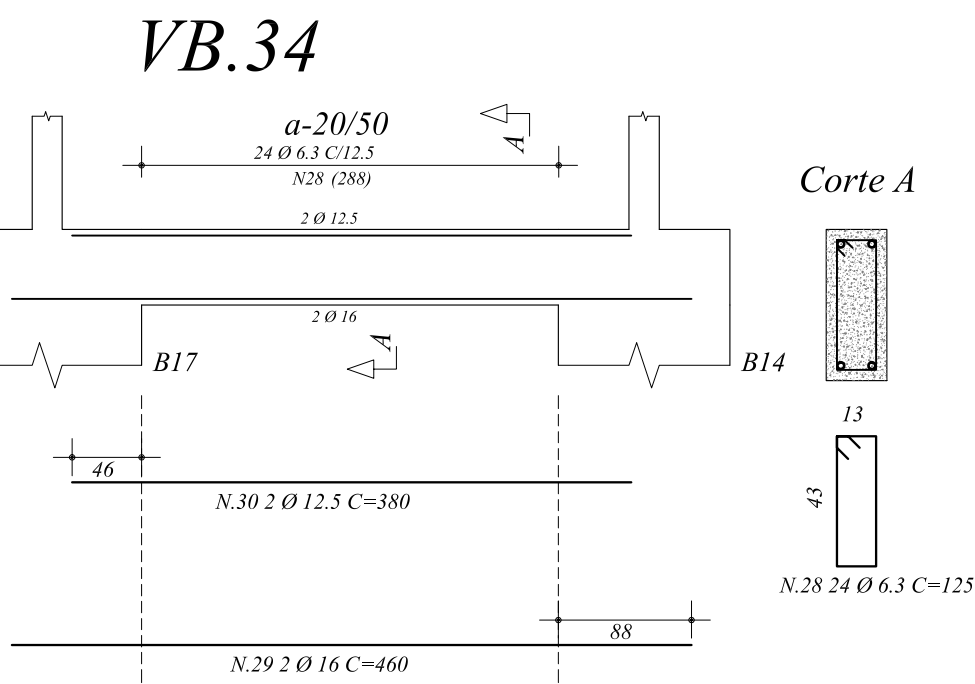
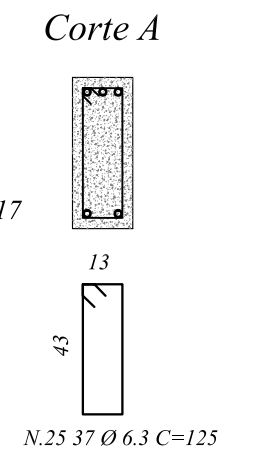
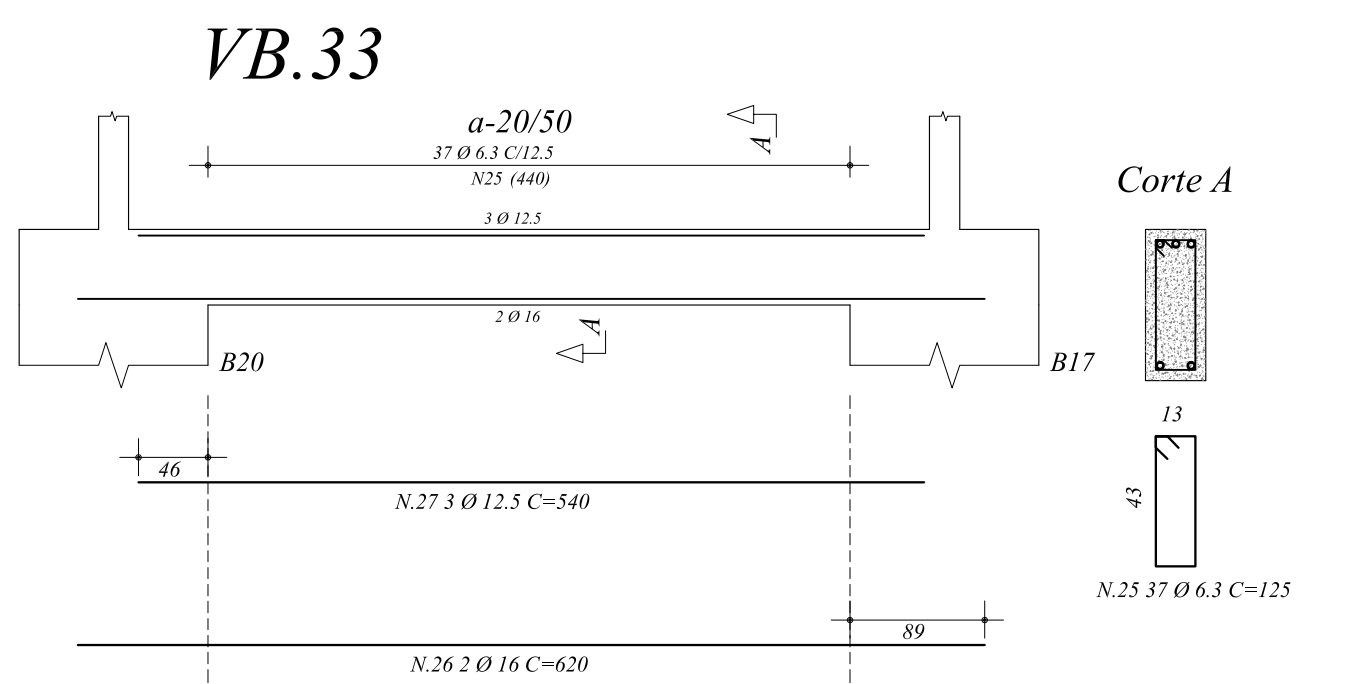
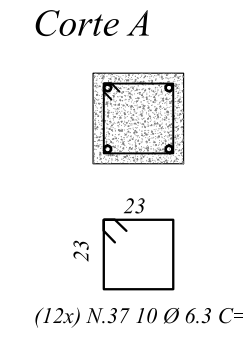
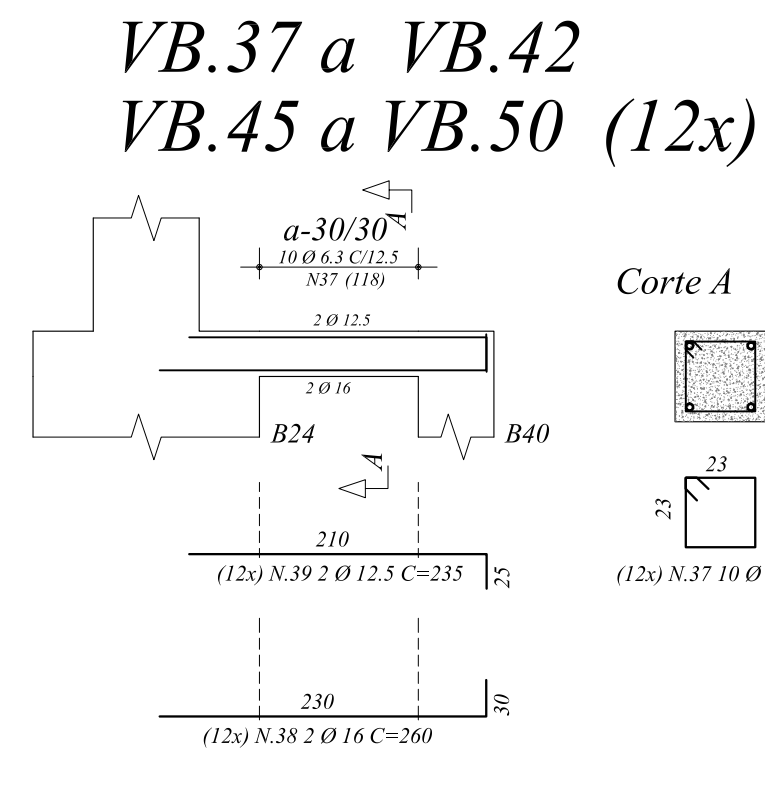
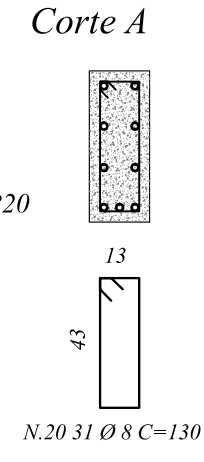
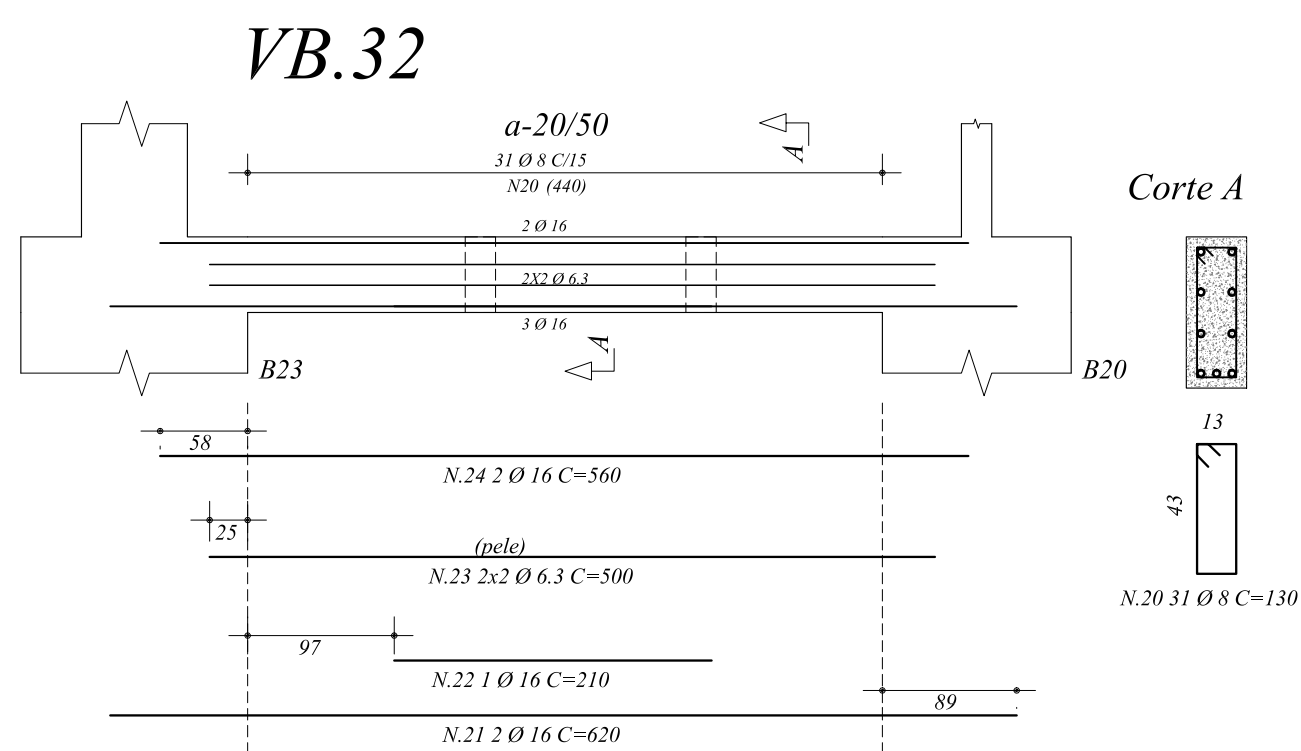
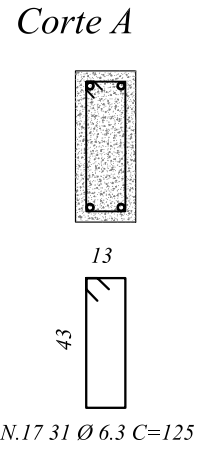
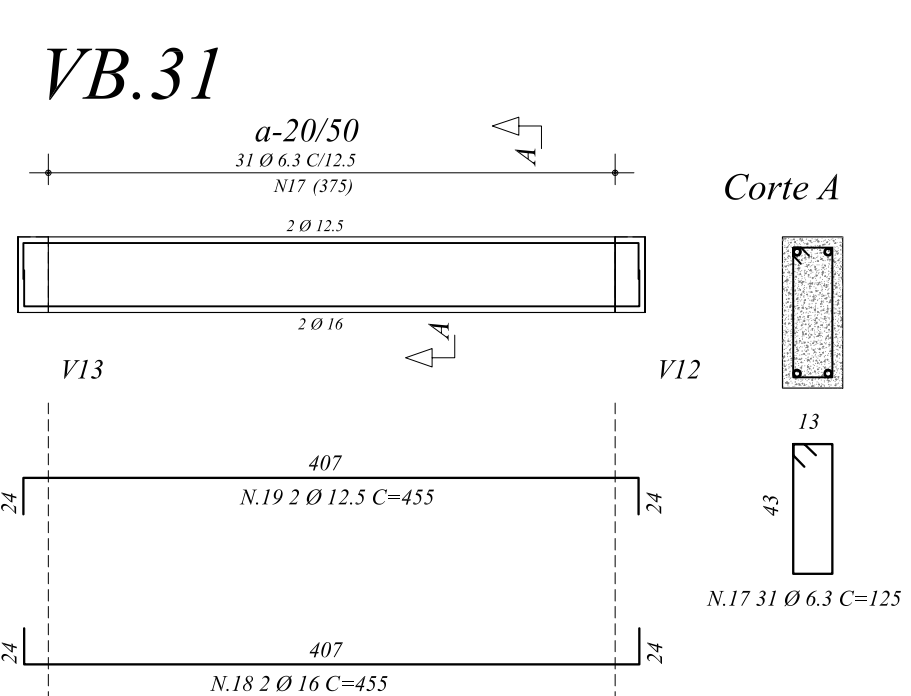
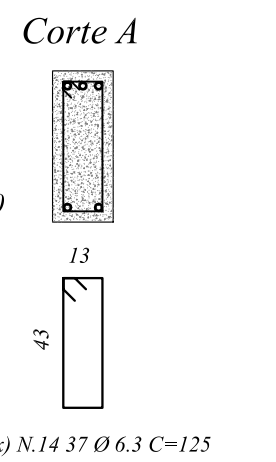
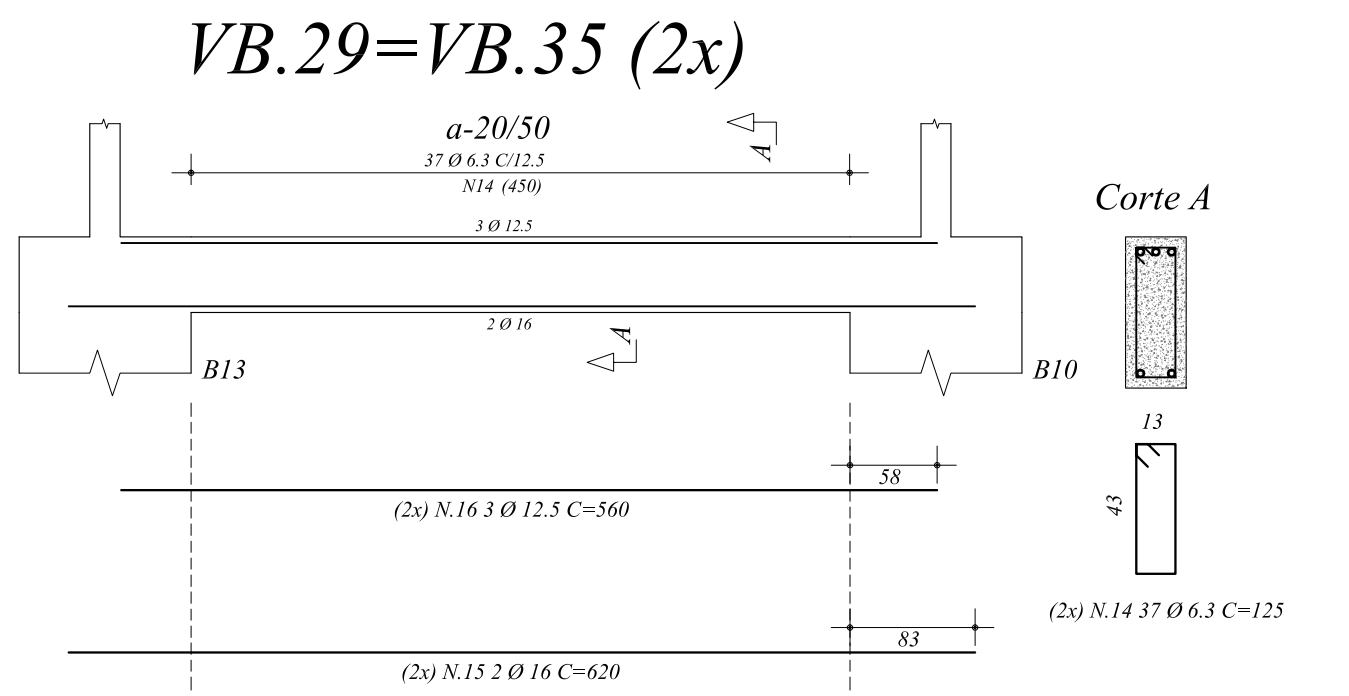


LISTA DOS FERROS				LISTA DOS FERROS			
N	Ø (mm)	QUANT.	COMPRIMENTOS (cm)		N	Ø (mm)	QUANT.
			UNITÁRIO	TOTAL			
1	6.3	45	125	5625	32	8	4
2	16	2	590	1180	33	8	4
3	6.3	4	590	2000	34	12.5	2
4	16	2	570	1140	35	8	2
5	6.3	37	125	4625	36	12.5	2
6	16	2	620	1240	37	6.3	120
7	12.5	2	560	1120	38	16	24
8	6.3	25	125	3125	39	12.5	24
9	8	6	100	600	40	6.3	64
10	8	6	130	780	41	16	8
11	16	2	440	880	42	6.3	4
12	12.5	2	390	780	43	12.5	8
13	12.5	4	100	400	44	6.3	62
14	6.3	74	125	9250	45	16	4
15	16	4	620	2480	46	6.3	8
16	12.5	6	560	3360	47	12.5	4
17	6.3	31	125	3875	48	6.3	60
18	16	2	435	870	49	16	4
19	12.5	2	455	910	50	12.5	4
20	8	31	130	4030	51	6.3	29
21	16	2	620	1240	52	16	2
22	16	1	210	210	53	12.5	2
23	6.3	4	500	2000			
24	16	2	560	1120			
25	6.3	37	125	4625			
26	16	2	620	1240			
27	12.5	3	540	1620			
28	6.3	24	125	3000			
29	16	2	460	920			
30	12.5	2	380	760			
31	6.3	15	125	1875			

LISTA DOS FERROS				LISTA DOS FERROS			
N	Ø (mm)	QUANT.	COMPRIMENTOS (cm)		N	Ø (mm)	QUANT.
			UNITÁRIO	TOTAL			
32	8	4	95	380			
33	8	4	120	480			
34	12.5	2	310	620			
35	8	2	50	100			
36	12.5	2	280	560			
37	6.3	120	105	12600			
38	16	24	260	6240			
39	12.5	24	235	5640			
40	6.3	64	85	5440			
41	16	8	280	2240			
42	6.3	4	90	360			
43	12.5	8	290	2320			
44	6.3	62	125	7750			
45	16	4	510	2040			
46	6.3	8	420	3360			
47	12.5	4	470	1880			
48	6.3	60	125	7500			
49	16	4	490	1960			
50	12.5	4	440	1760			
51	6.3	29	125	3625			
52	16	2	520	1040			
53	12.5	2	450	900			

CA50A			
Ø	kg/m	COMPR. (m)	TOTAL (kg)
6.3	0.25	806.4	202
8	0.40	63.7	25
12.5	1.00	226.3	226
16	1.60	260.8	417
PESO TOTAL			871



BARRAS DOBRADAS EM 90°

Obs: todas as medidas indicadas no desenho são externas.

REPRESENTAÇÃO

Ø (mm)	Raiz mlt. (mm)	Raiz mlt. (mm)	CC (mm)
5	1.3	1.8	3
6.3	1.6	2.2	3.5
8	2.0	2.8	4.5
10	2.5	3.5	5.5
12.5	3.1	4.4	7
16	4.0	5.6	9
20	5.0	7.0	11
25	6.3	8.8	14
32	8.0	11.2	18
40	10.0	14.0	22

CONDIÇÃO REAL

OBRAS			
CAMPUS CEETEPS EM XXX			
LOCAL / MUNICÍPIO			
ENDEREÇO DA UNIDADE			
ÁREA TÉCNICA		ESCALA	FOLHA Nº
ESTRUTURA		1/50	CON-007/012
TÍTULO			
PROJETO BÁSICO - MODELO PADRÃO - QUADRA POLIESPORTIVA COBERTA			
FUNDAÇÃO			
DETALHAMENTO DE ARMADURA DE VIGAS BALDRAMES			
CONSTRUÇÃO			
DESENHO	PROJETO	COORDENADOR	
UIE	UIE	UIE	
OBSERVAÇÃO	DATA	REVISÃO	
CONFERRIR MEDIDAS NO LOCAL	15/09/2017	R0	