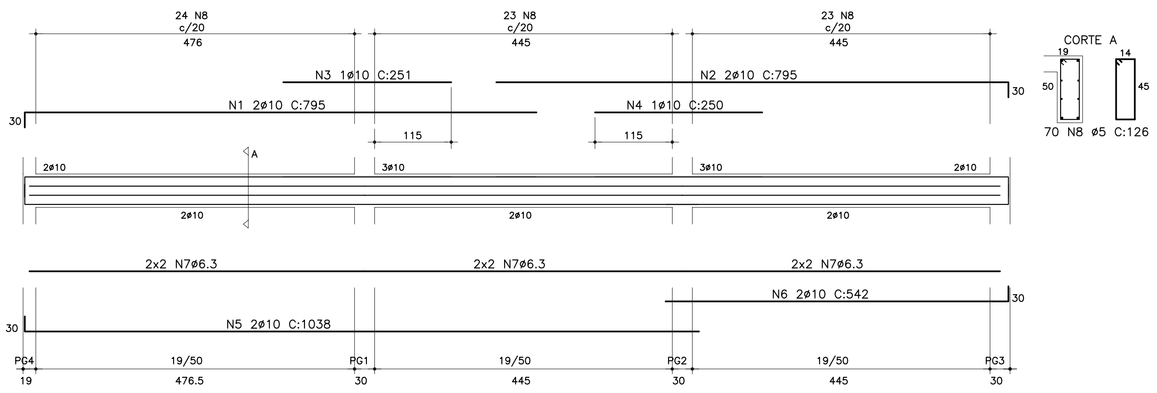
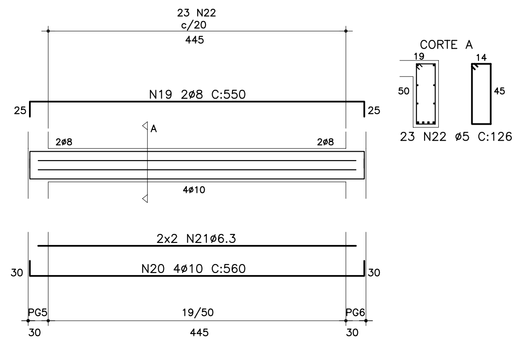
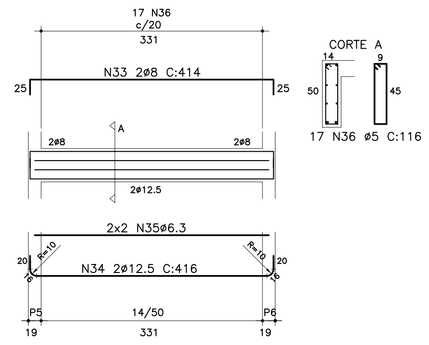
V401



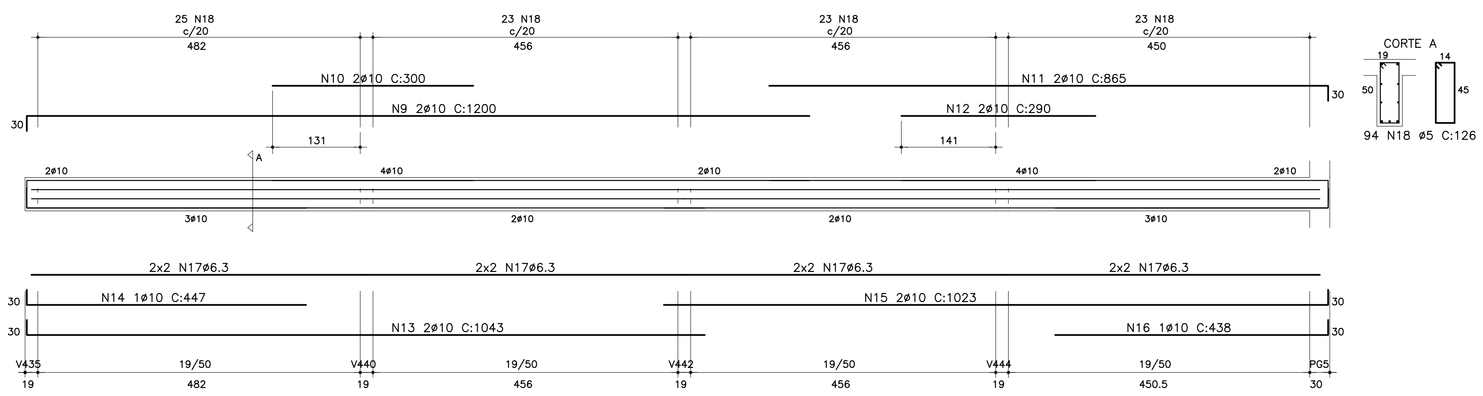
V403



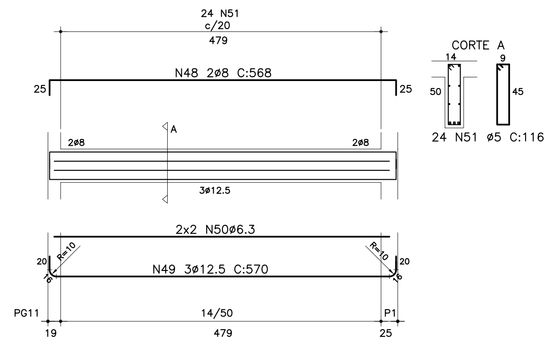
V405



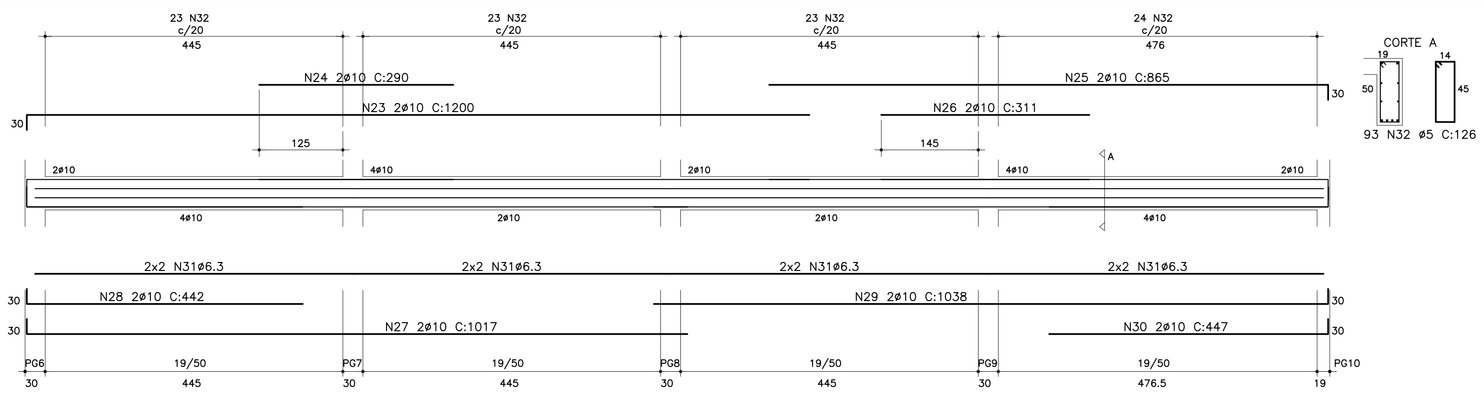
V402



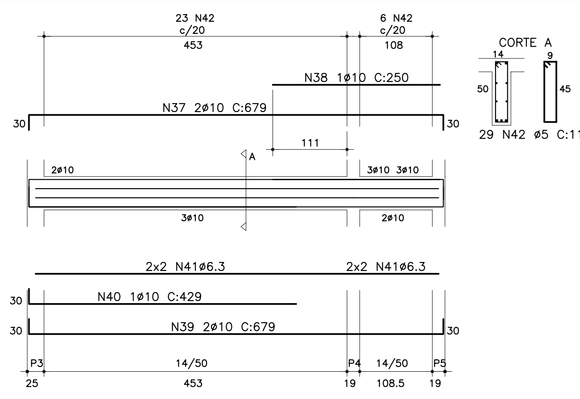
V408



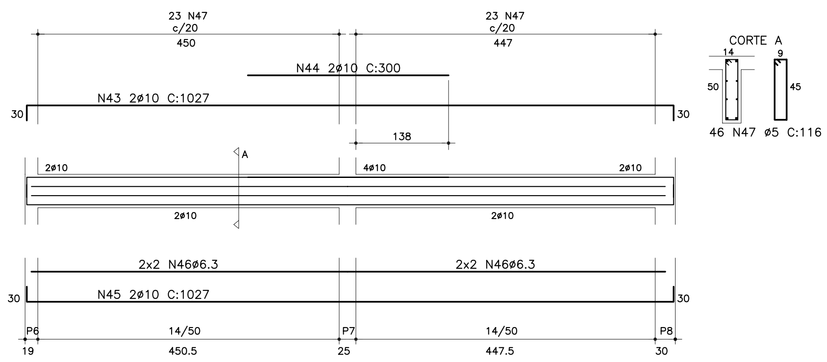
V404



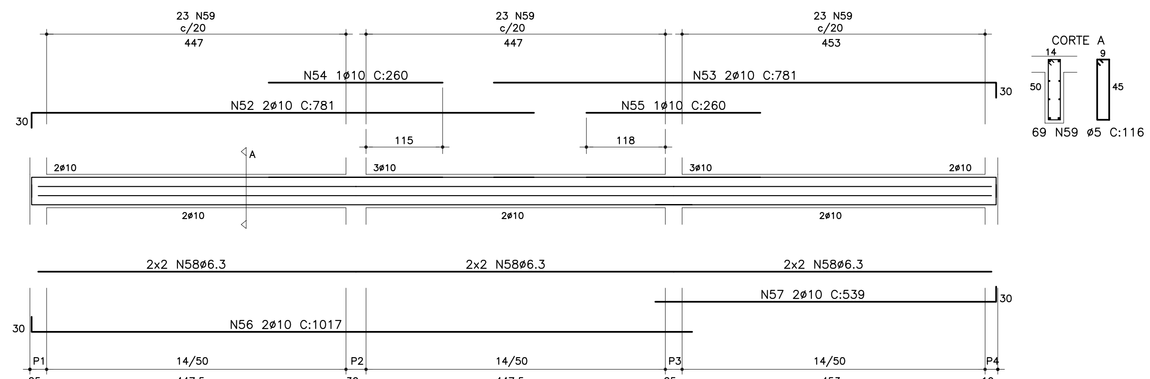
V406



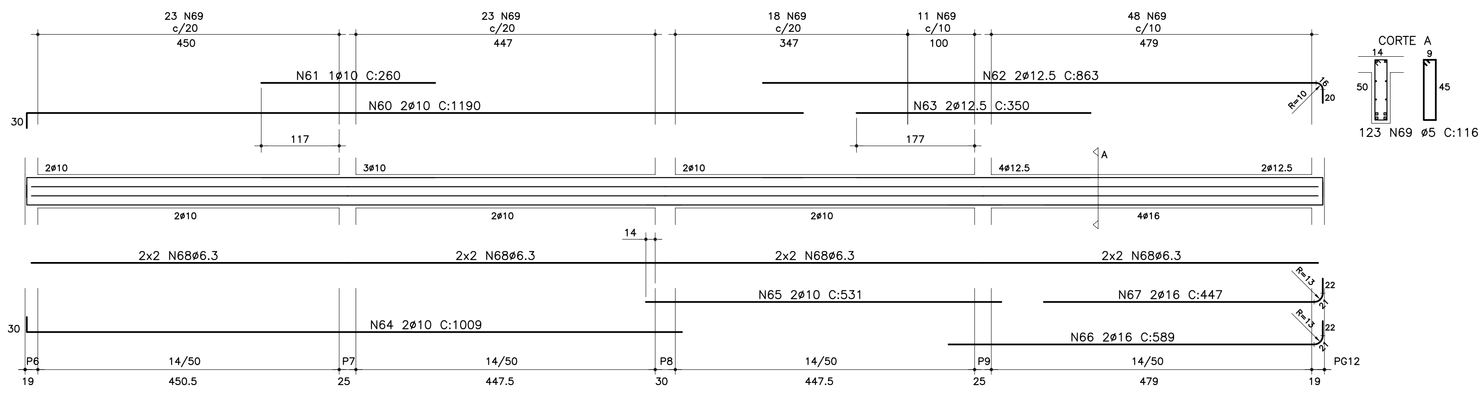
V407



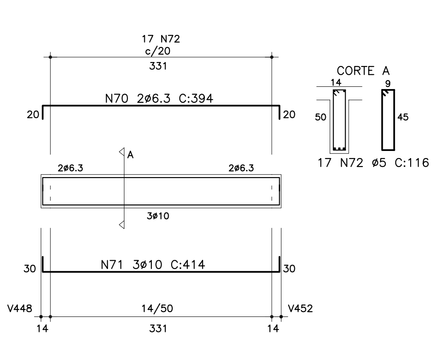
V409



V410



V411



QUADRO DE FERRO

V401

N	ø	Q	UNI	TOTAL
1	10	2	795	1590
2	10	2	795	1590
3	10	1	251	251
4	10	1	250	250
5	10	2	1038	2076
6	10	2	542	1084
7	6.3			5804
8	5	70	126	8820

V402

N	ø	Q	UNI	TOTAL
9	10	2	1200	2400
10	10	2	300	600
11	10	2	865	1730
12	10	2	290	580
13	10	2	1043	2086
14	10	1	447	447
15	10	2	1023	2046
16	10	1	438	438
17	6.3			7704
18	5	94	126	11846

V403

N	ø	Q	UNI	TOTAL
19	8	2	550	1100
20	10	4	560	2240
21	6.3			1900
22	5	23	126	2898

V404

N	ø	Q	UNI	TOTAL
23	10	2	1200	2400
24	10	2	290	580
25	10	2	865	1730
26	10	2	311	622
27	10	2	1017	2034
28	10	2	442	884
29	10	2	1038	2076
30	10	2	447	894
31	6.3			7704
32	5	93	126	11718

V405

N	ø	Q	UNI	TOTAL
33	8	2	414	828
34	12.5	2	416	832
35	6.3			1400
36	5	17	116	1972

V406

N	ø	Q	UNI	TOTAL
37	10	2	679	1358
38	10	1	250	250
39	10	2	679	1358
40	10	1	429	429
41	6.3			2412
42	5	29	116	3364

V407

N	ø	Q	UNI	TOTAL
43	10	2	1027	2054
44	10	2	300	600
45	10	2	1027	2054
46	6.3			3788
47	5	46	116	5336

V408

N	ø	Q	UNI	TOTAL
48	8	2	568	1136
49	12.5	3	570	1710
50	6.3			2004
51	5	24	116	2784

V409

N	ø	Q	UNI	TOTAL
52	10	2	781	1562
53	10	2	781	1562
54	10	1	260	260
55	10	1	260	260
56	10	2	1017	2034
57	10	2	539	1078
58	6.3			5700
59	5	69	116	8004

V410

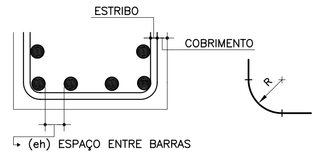
N	ø	Q	UNI	TOTAL
60	10	2	1190	2380
61	10	1	260	260
62	12.5	2	863	1726
63	12.5	2	350	700
64	10	2	1009	2018
65	10	2	531	1062
66	16	2	589	1178
67	16	2	447	894
68	6.3			7692
69	5	123	116	14268

V411

N	ø	Q	UNI	TOTAL
70	6.3	2	394	788
71	10	3	414	1242
72	5	17	116	1972

RESUMO GERAL DA FOLHA

AÇO	ø	TOTAL	PESO
60	5	72980	117
50	6.3	46896	118
50	8	3064	13
50	10	52449	331
50	12.5	4968	50
50	16	2072	34
		TOTAL	663 kg.



COEF. DE SEGURANÇA: AÇO.....1.15
CONCRETO.....1.40

COBRIMENTO DAS ARMADURAS 2.5 cm

DIÂMETRO	ø12.5	ø16	ø20	ø25	ø30
RAIO (R)	10	13	16	20	26

eh >= DIÂMETRO DAS BARRAS
eh >= 2cm

REV.	DATA	DETALHADOS

augusto cantusio neto
eng. de projetos ltda.
FONE/FAX: (19) 3253-2181 - CAMPINAS/SP

ACN

OBRA :

EDIFÍCIO RESIDENCIAL

CLIENTE :

MODELO

DETALHADOS :

VIGAS

No. OBRA :	CONCRETO :	FOLHA :
CONCRETO ARMADO	C - 25	
ESCALAS : 1:50-25	DATA : REVISÃO : 00	
DESENHISTA : ACN	ARQUIVO : MODELO-VIGA.DWG	

ESTE PROJETO É PROPRIEDADE INTELECTUAL DE SEUS AUTORES, PODENDO SER UTILIZADO SOMENTE DE ACORDO COM OS LIMITES CONTRATUAIS. PORTANTO É VETADA SUA UTILIZAÇÃO EM PARTE OU NO TODO SEM EXPRESSA AUTORIZAÇÃO DOS MESMOS.
PROJETO DESENVOLVIDO EM CAD, REVISAR POR MEIO MAGNÉTICO.