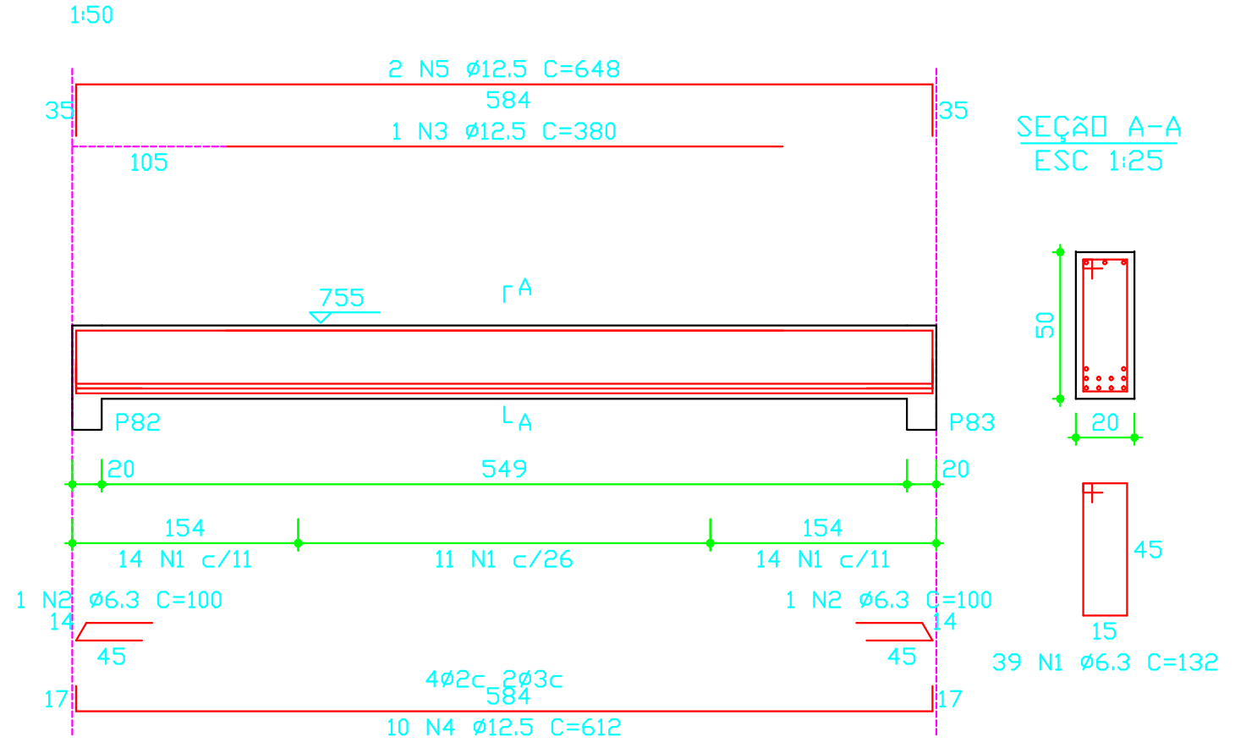
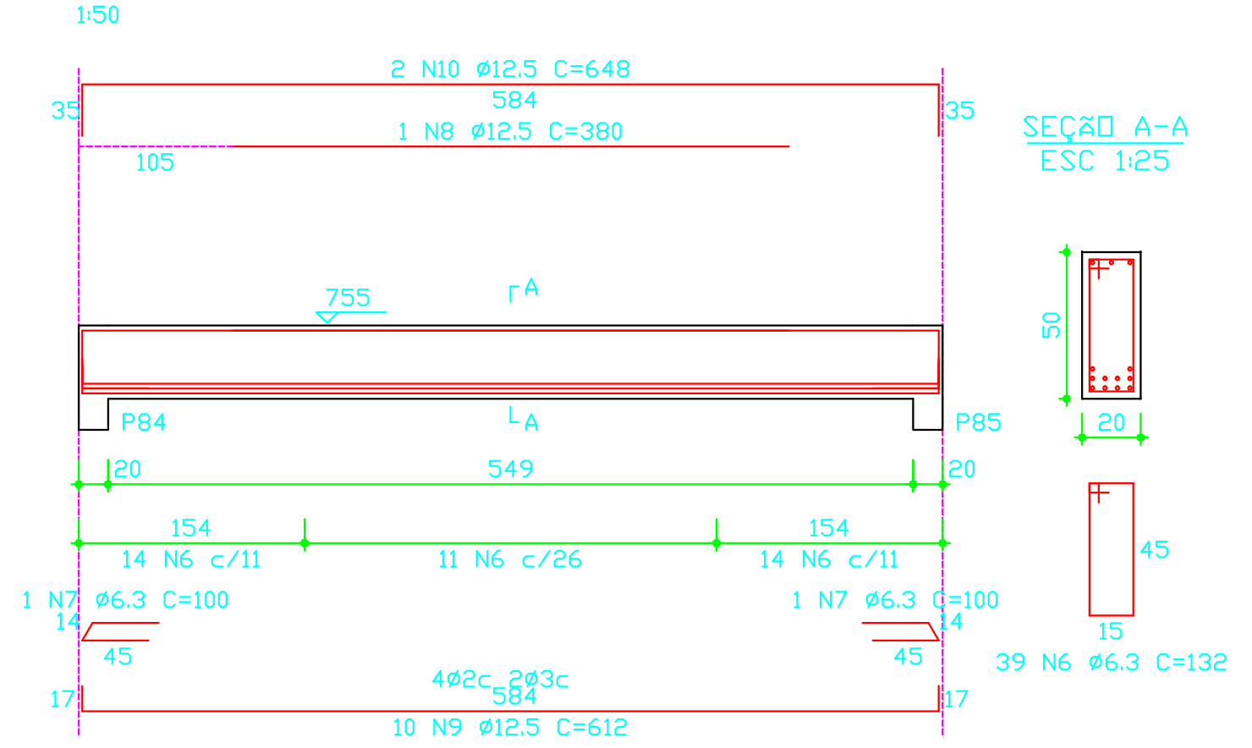
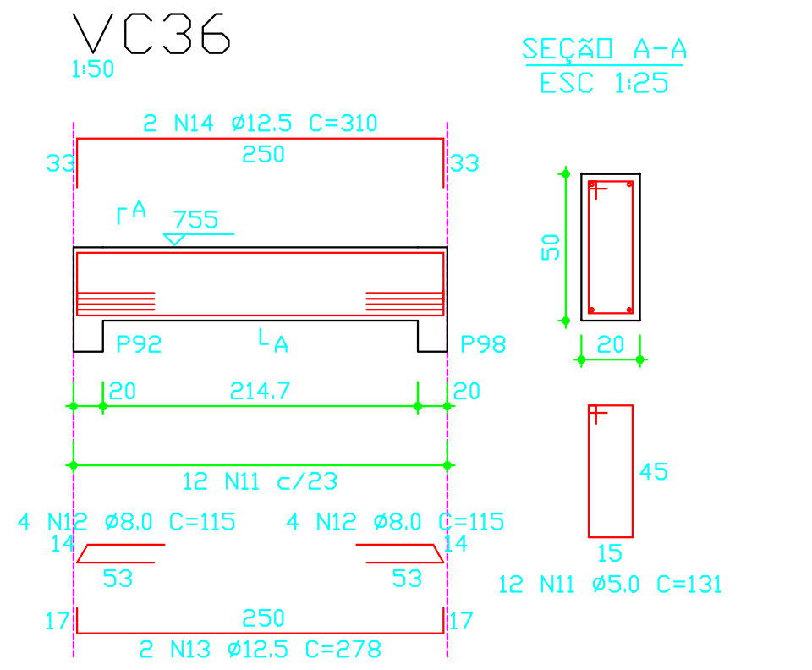
VC34
1:50


2 N5 ø12.5 C=648
584
35
1 N3 ø12.5 C=380
105
SEÇÃO A-A
ESC 1:25
755
A
P82
P83
20
549
154
14 N1 c/11
11 N1 c/26
1 N2 ø6.3 C=100
14
45
50
15
39 N1 ø6.3 C=132
4ø2c 2ø3c
17
10 N4 ø12.5 C=612

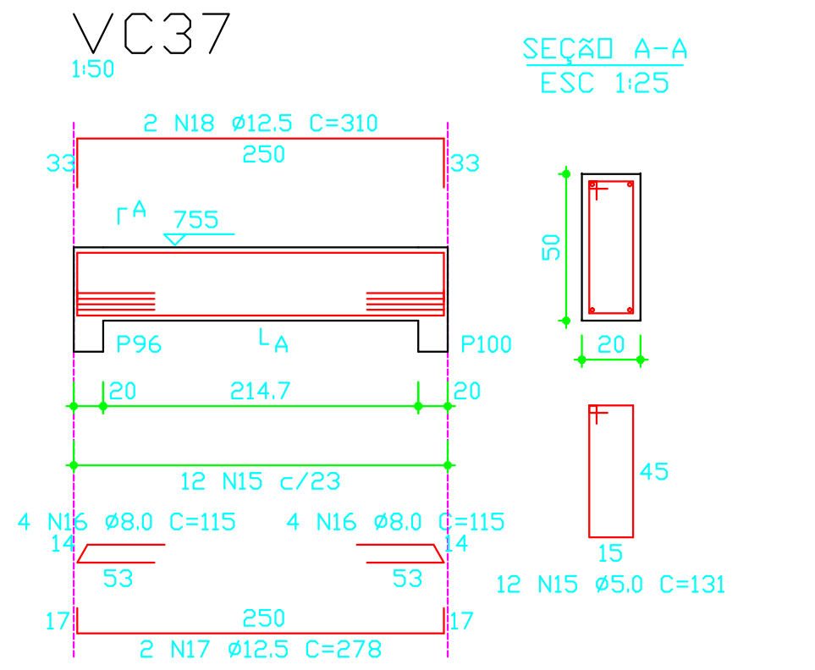
VC35
1:50


SEÇÃO A-A
ESC 1:25

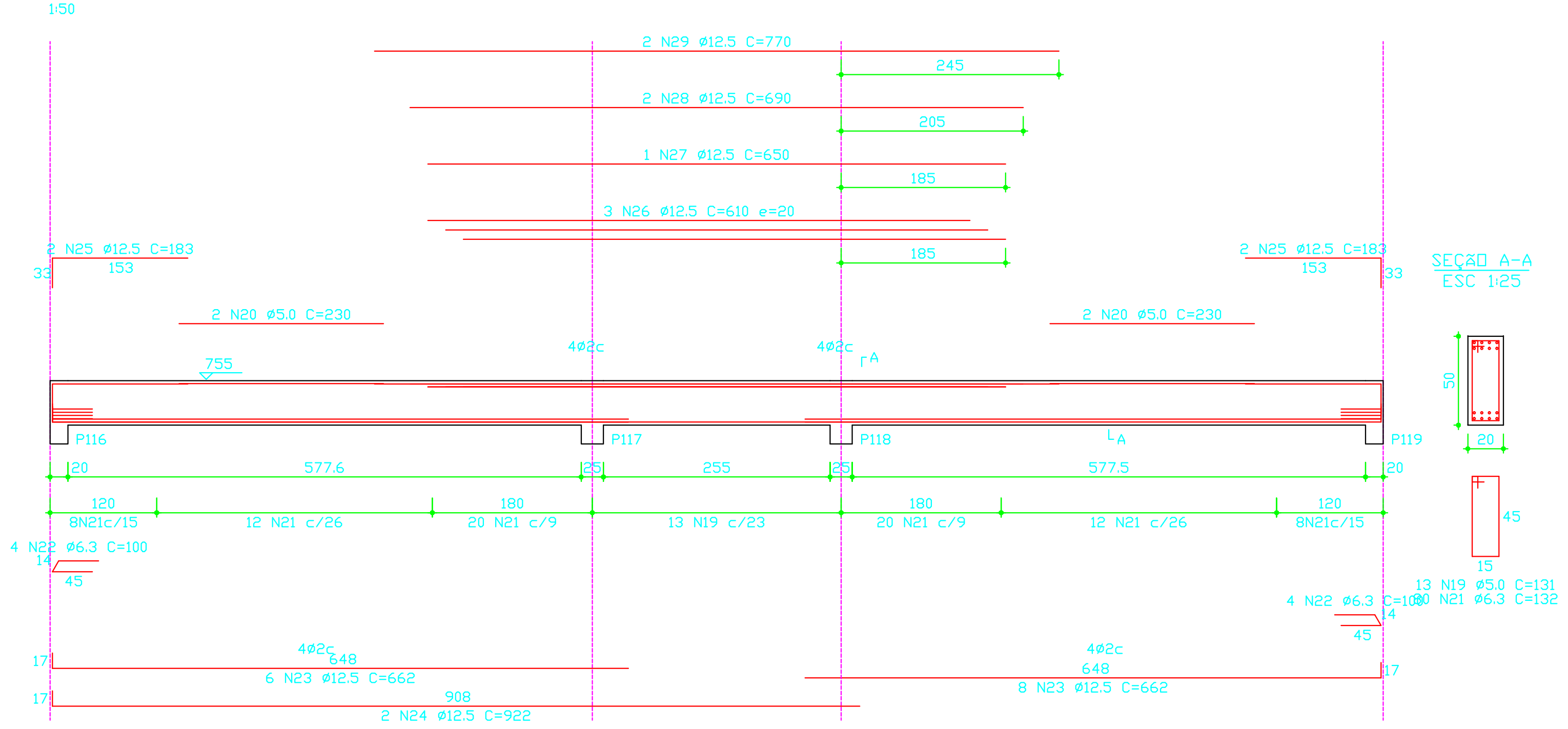
VC36
1:50


SEÇÃO A-A
ESC 1:25

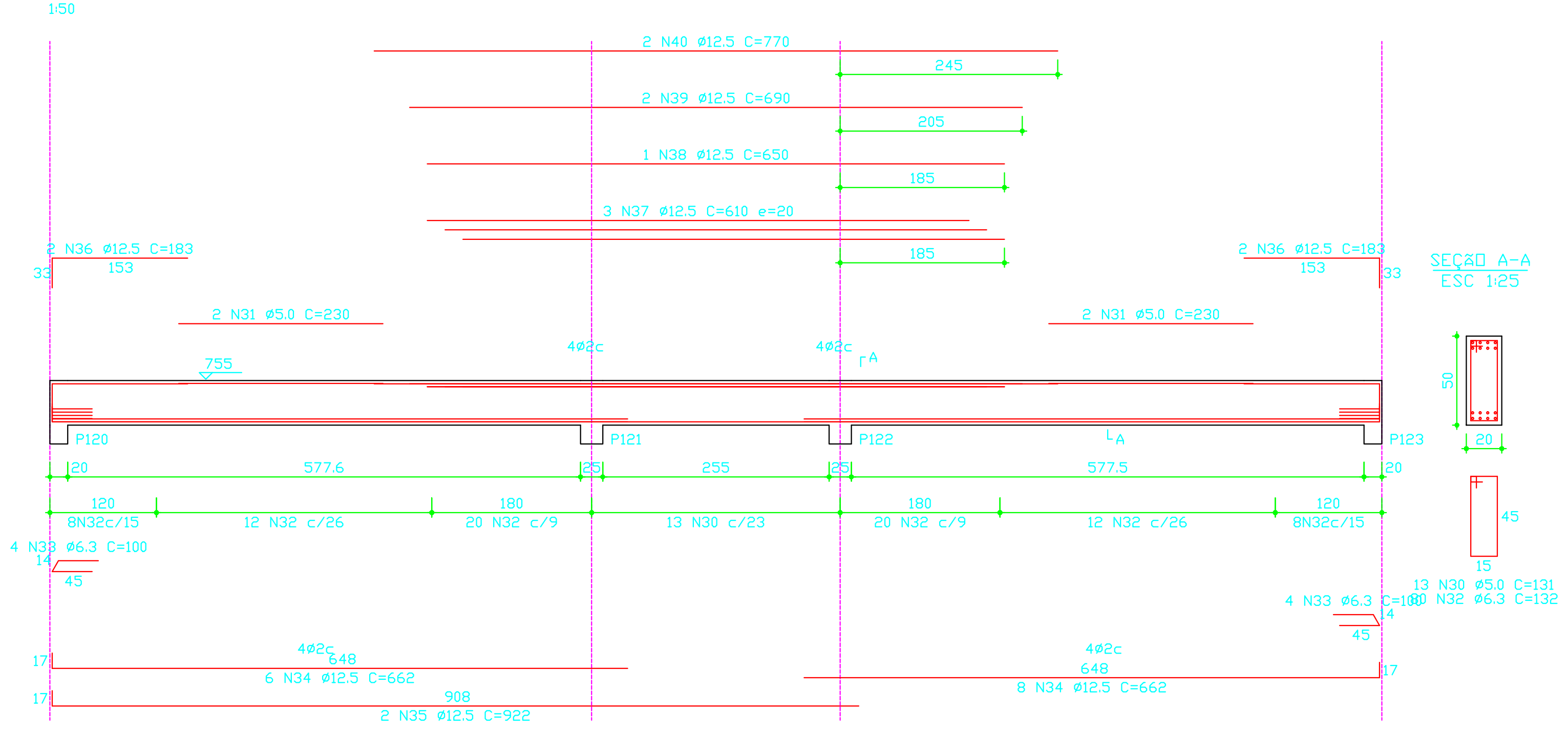
VC37
1:50


SEÇÃO A-A
ESC 1:25

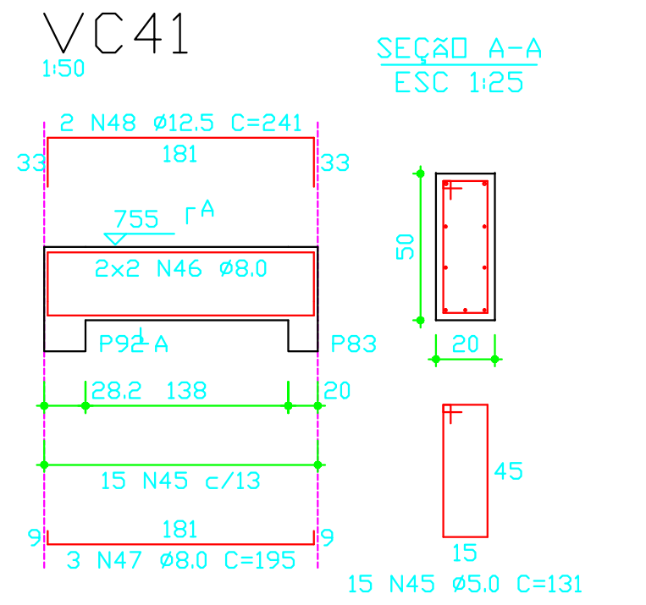
VC38
1:50


SEÇÃO A-A
ESC 1:25

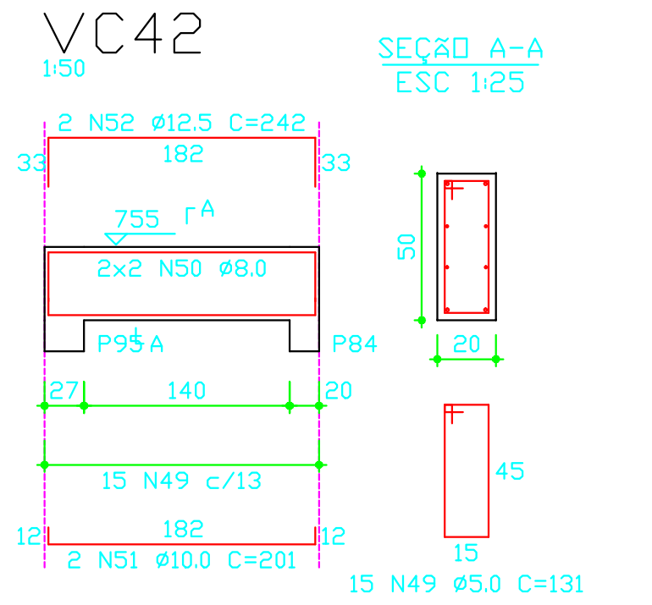
VC39
1:50


SEÇÃO A-A
ESC 1:25

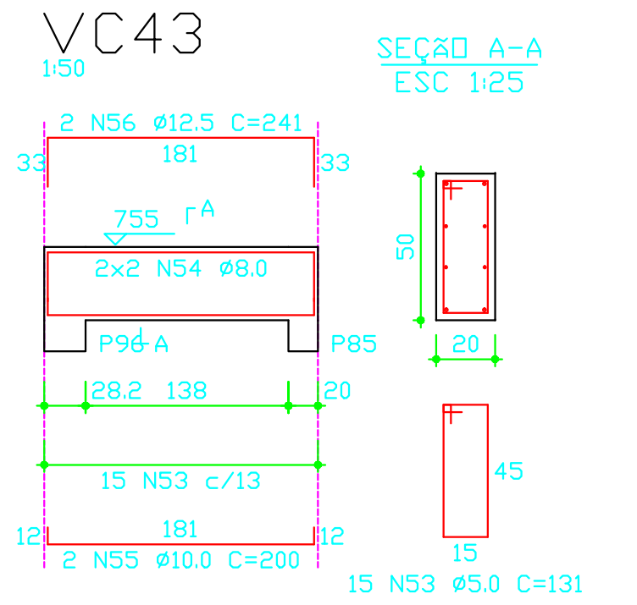
VC41
1:50


SEÇÃO A-A
ESC 1:25

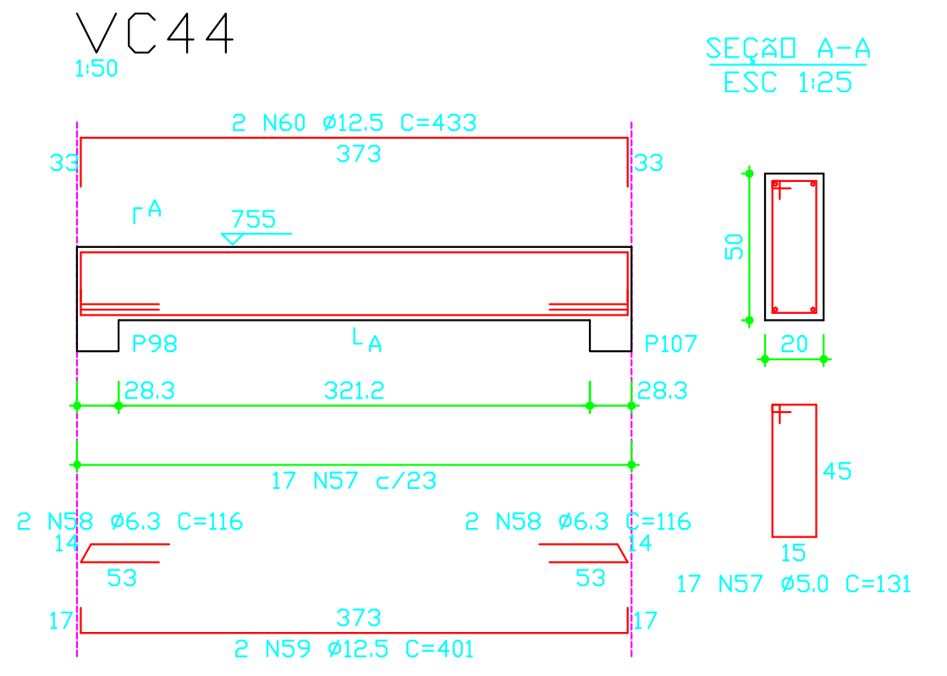
VC42
1:50


SEÇÃO A-A
ESC 1:25

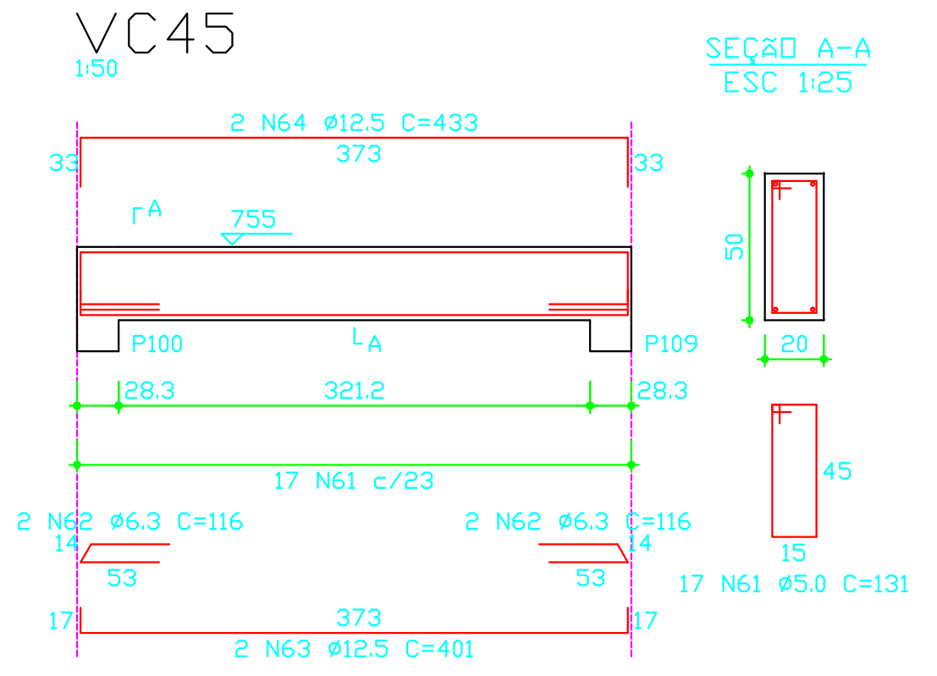
VC43
1:50


SEÇÃO A-A
ESC 1:25

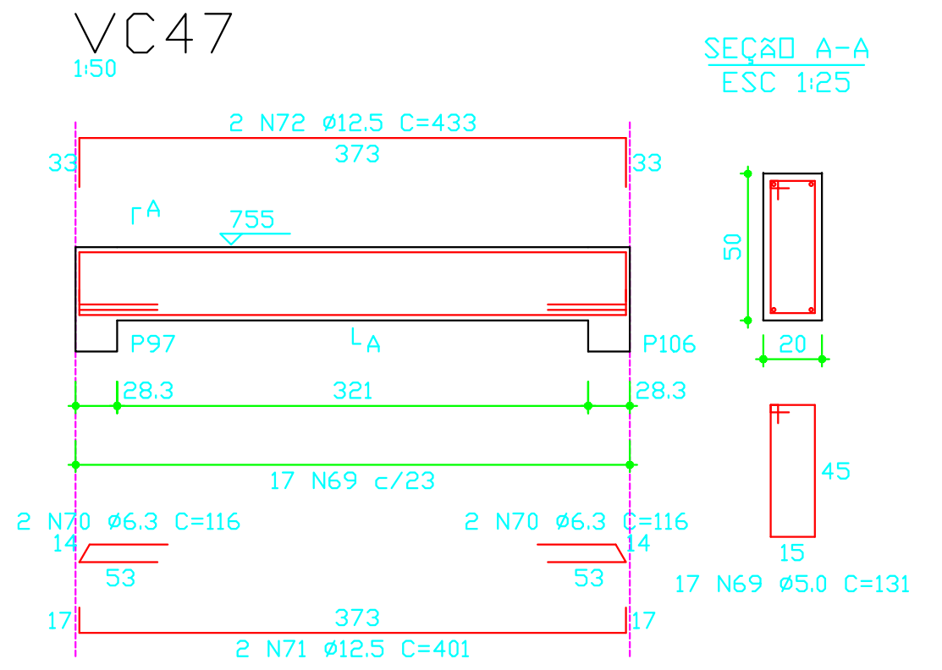
VC44
1:50


SEÇÃO A-A
ESC 1:25

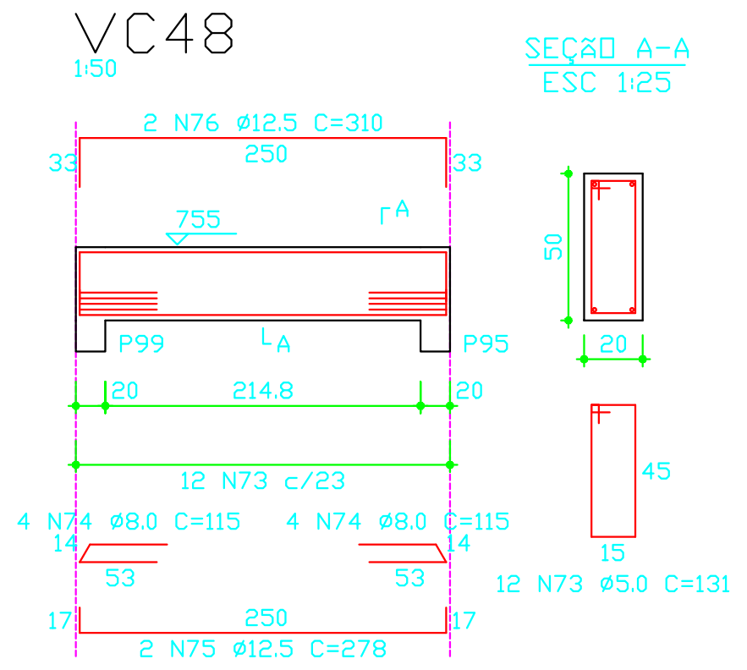
VC45
1:50


SEÇÃO A-A
ESC 1:25

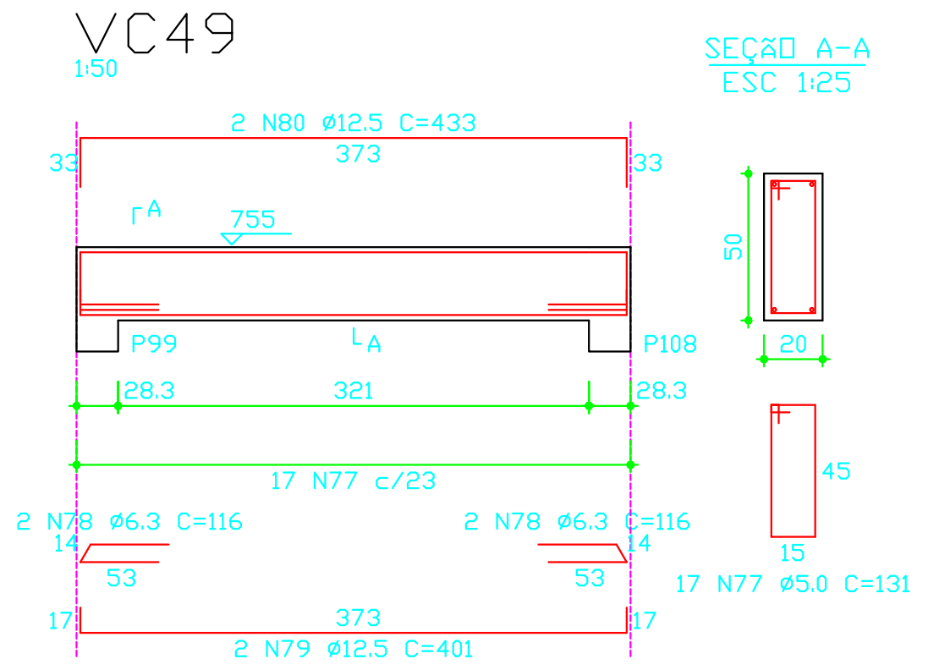
VC47
1:50


SEÇÃO A-A
ESC 1:25

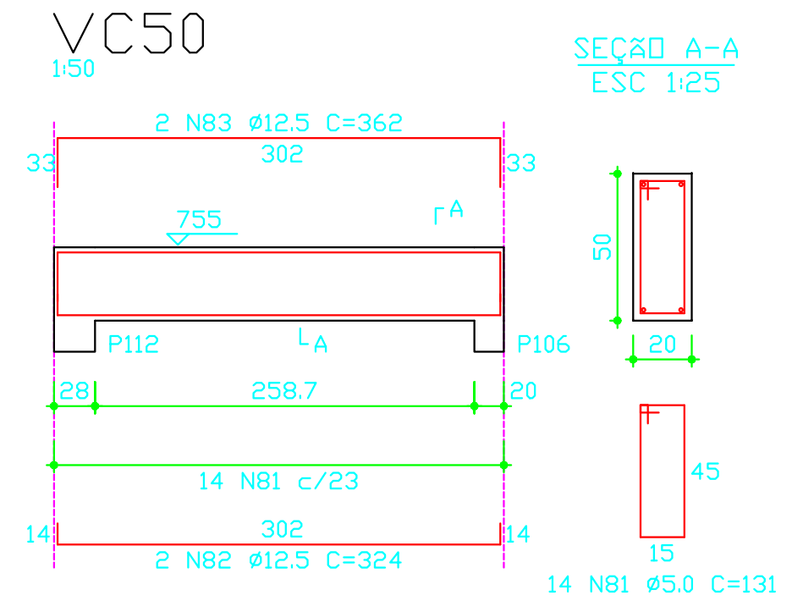
VC48
1:50


SEÇÃO A-A
ESC 1:25

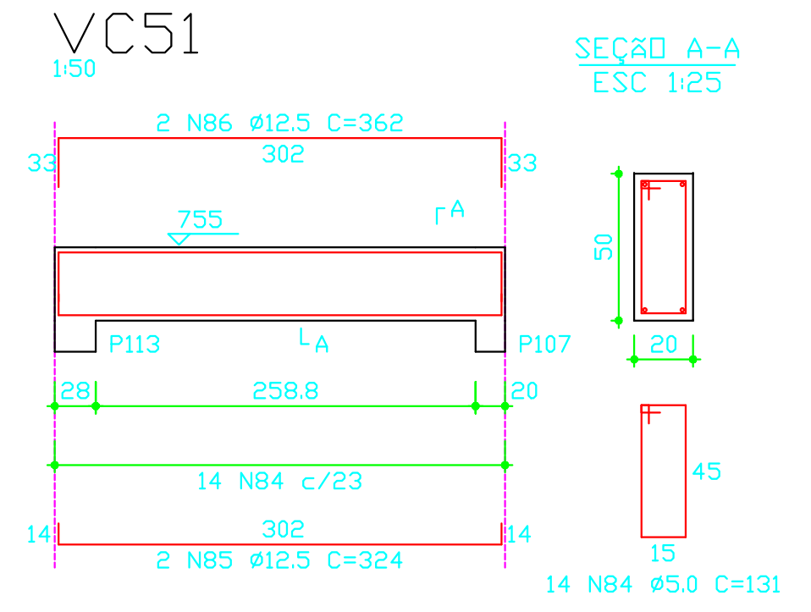
VC49
1:50


SEÇÃO A-A
ESC 1:25

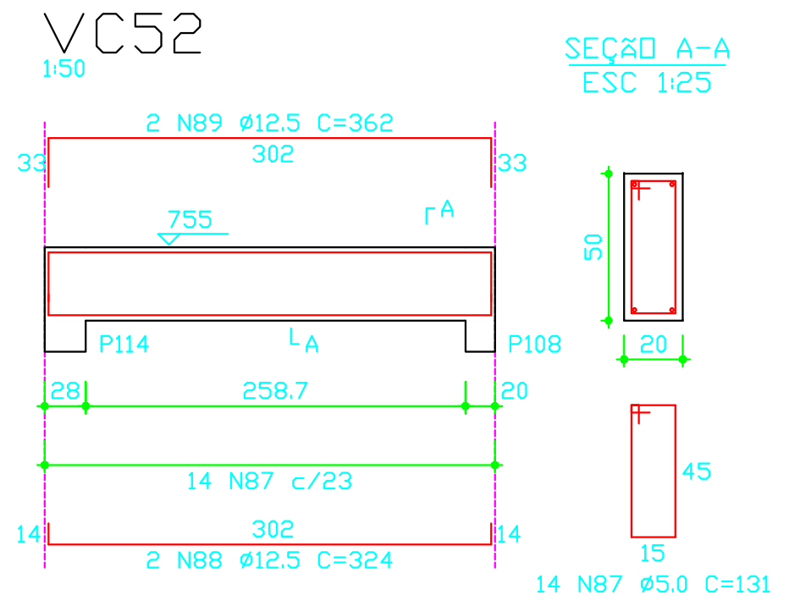
VC50
1:50


SEÇÃO A-A
ESC 1:25

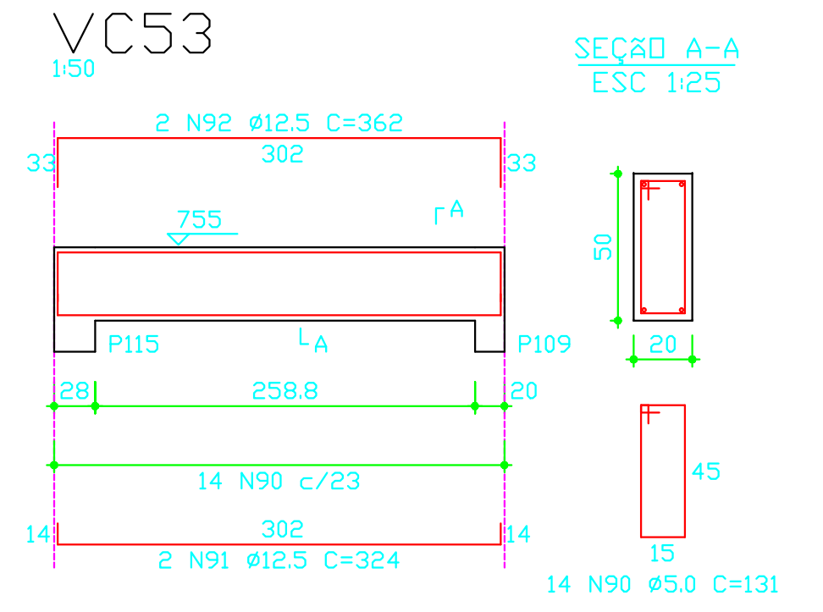
VC51
1:50


SEÇÃO A-A
ESC 1:25

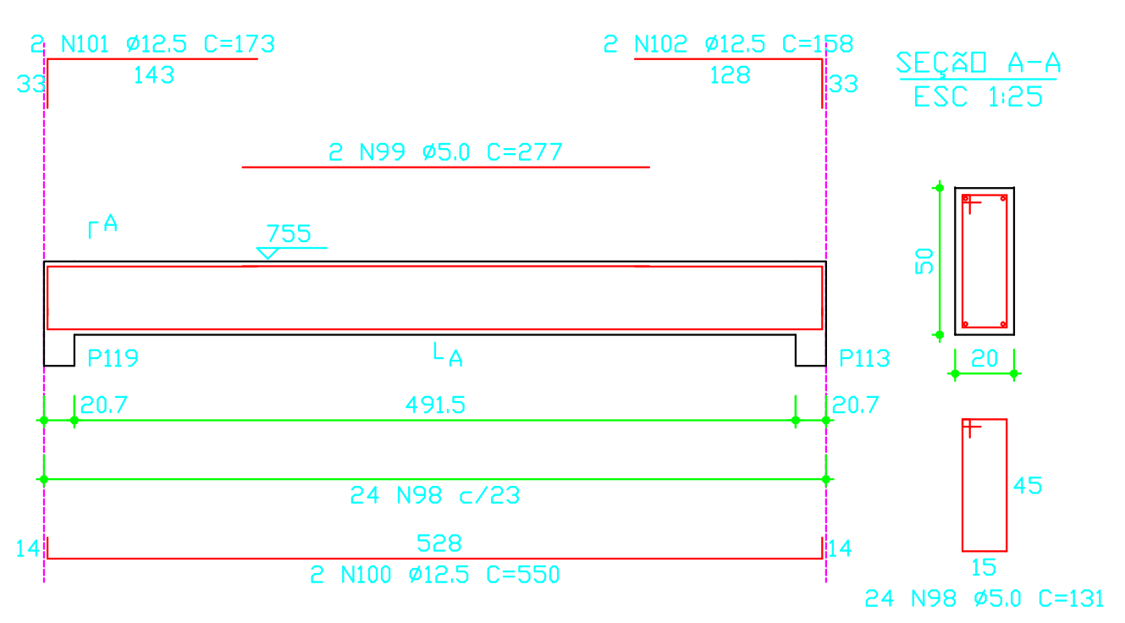
VC52
1:50


SEÇÃO A-A
ESC 1:25

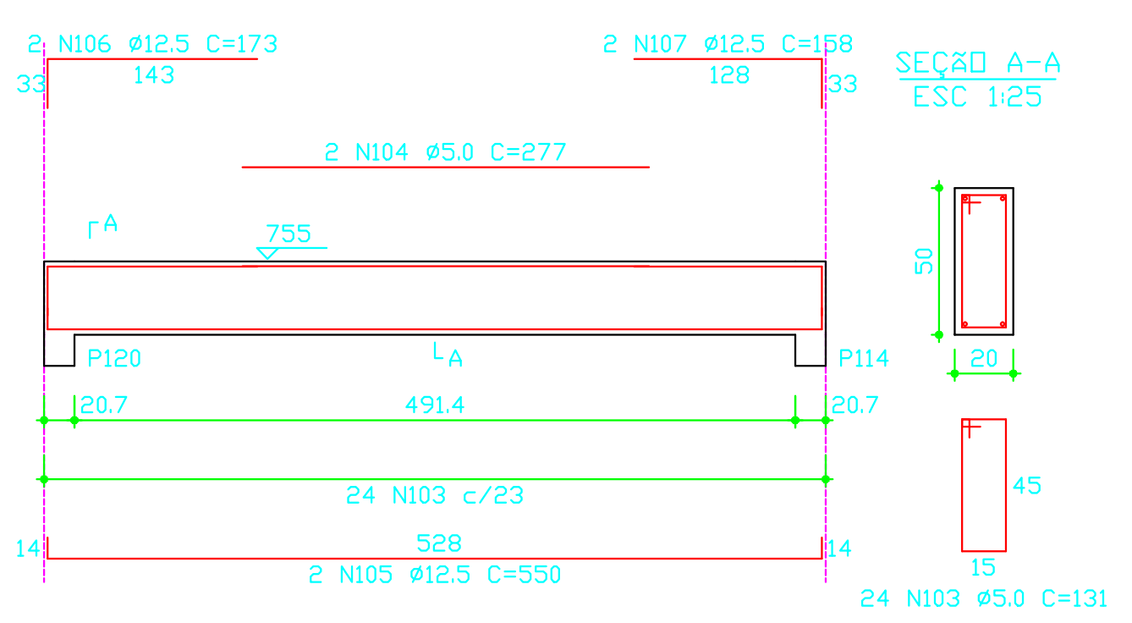
VC53
1:50


SEÇÃO A-A
ESC 1:25

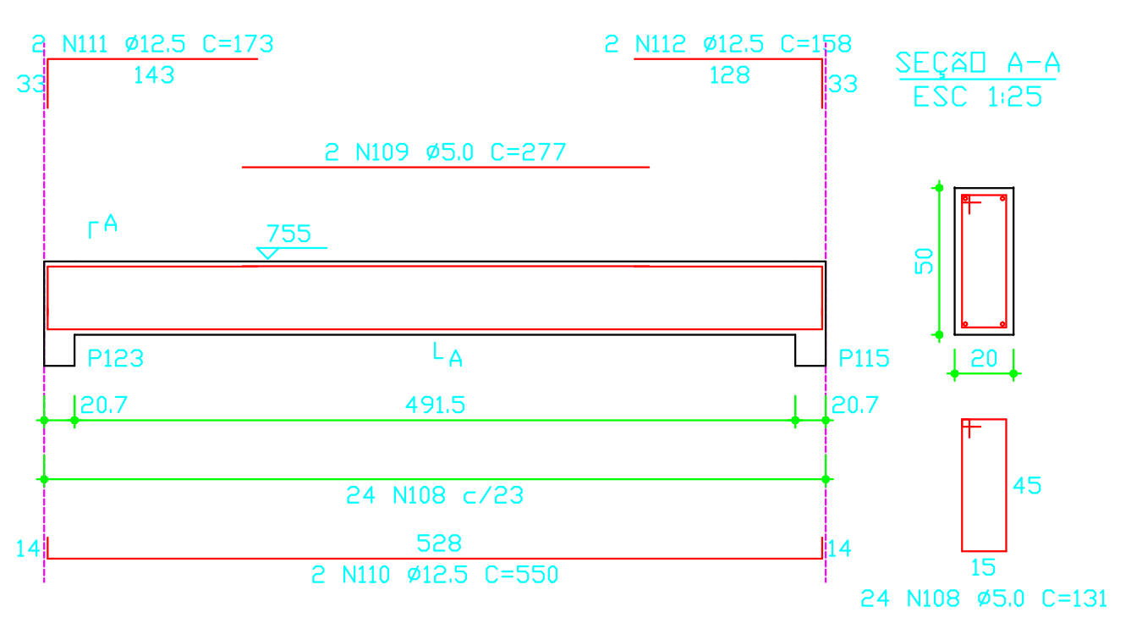
VC55
1:50


SEÇÃO A-A
ESC 1:25

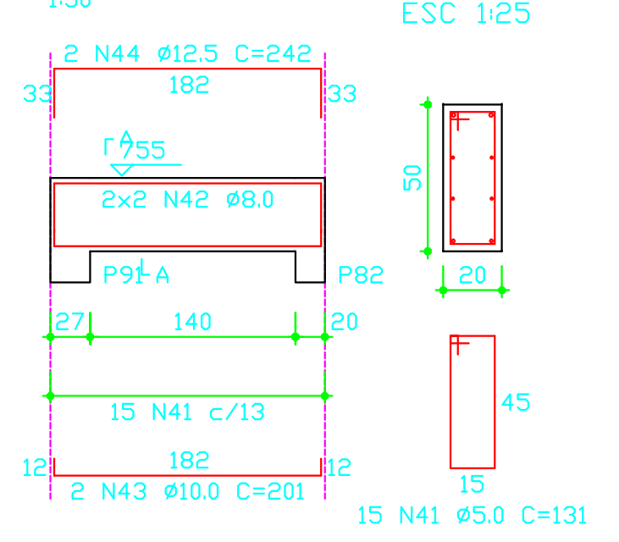
VC56
1:50


SEÇÃO A-A
ESC 1:25

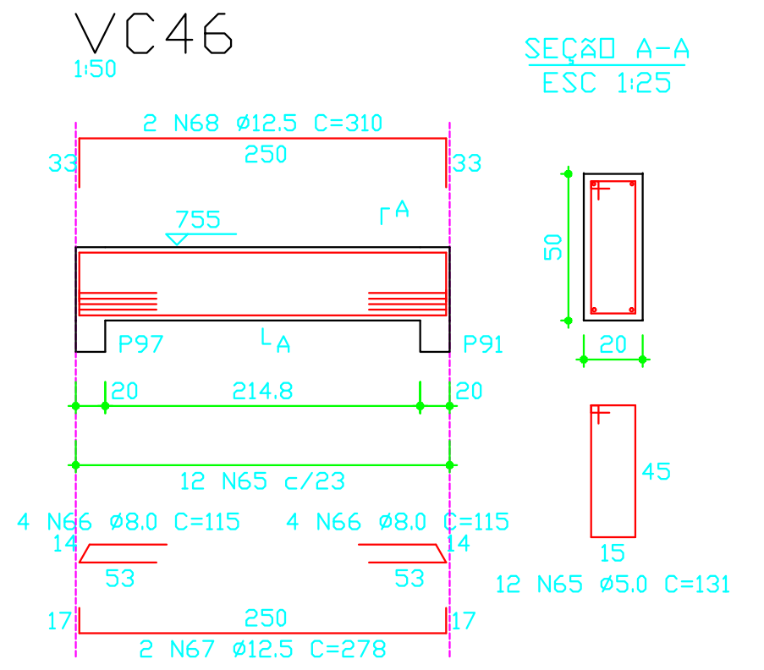
VC57
1:50


SEÇÃO A-A
ESC 1:25

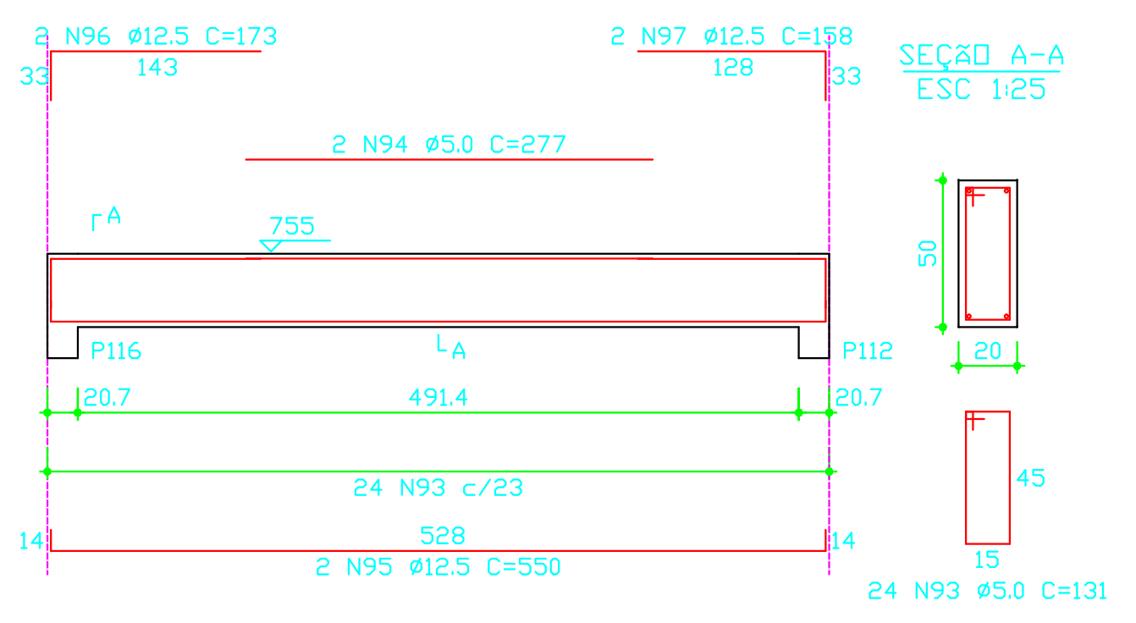
VC40
1:50


SEÇÃO A-A
ESC 1:25

VC46
1:50


SEÇÃO A-A
ESC 1:25

VC54
1:50


SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VC34	50	1	6.3	39	132	5148
	50	2	6.3	2	100	200
	50	3	12.5	1	380	380
	50	4	12.5	10	612	6120
	50	5	12.5	2	648	1296
VC35	50	6	6.3	39	132	5148
	50	7	6.3	2	100	200
	50	8	12.5	1	380	380
	50	9	12.5	10	612	6120
	50	10	12.5	2	648	1296
VC36	60	11	5.0	12	131	1572
	50	12	8.0	8	115	920
	50	13	12.5	2	278	556
	50	14	12.5	2	310	620
VC37	60	15	5.0	12	131	1572
	50	16	8.0	8	115	920
	50	17	12.5	2	278	556
	50	18	12.5	2	310	620
VC38	60	19	5.0	13	131	1703
	60	20	5.0	4	230	920
	50	21	6.3	80	132	10560
	50	22	6.3	8	100	800
	50	23	12.5	14	662	9268
	50	24	12.5	2	922	1844
	50	25	12.5	4	183	732
	50	26	12.5	3	610	1830
	50	27	12.5	1	650	650
	50	28	12.5	2	690	1380
	50	29	12.5	2	770	1540
VC39	60	30	5.0	13	131	1703
	60	31	5.0	4	230	920
	50	32	6.3	80	132	10560
	50	33	6.3	8	100	800
	50	34	12.5	14	662	9268
	50	35	12.5	2	922	1844
	50	36	12.5	4	183	732
	50	37	12.5	3	610	1830
	50	38	12.5	1	650	650
	50	39	12.5	2	690	1380
	50	40	12.5	2	770	1540
VC40	60	41	5.0	15	131	1965
	50	42	8.0	4	corr	748
	50	43	10.0	2	201	402
	50	44	12.5	2	242	484
VC41	60	45	5.0	15	131	1965
	50	46	8.0	4	corr	744
	50	47	8.0	3	195	585
	50	48	12.5	2	241	482
VC42	60	49	5.0	15	131	1965
	50	50	8.0	4	corr	748
	50	51	10.0	2	201	402
	50	52	12.5	2	242	484
VC43	60	53	5.0	15	131	1965
	50	54	8.0	4	corr	744
	50	55	10.0	2	200	400
	50	56	12.5	2	241	482
VC44	60	57	5.0	17	131	2227
	50	58	6.3	4	116	464
	50	59	12.5	2	401	802
	50	60	12.5	2	433	866
VC45	60	61	5.0	17	131	2227
	50	62	6.3	4	116	464
	50	63	12.5	2	401	802
	50	64	12.5	2	433	866
VC46	60	65	5.0	12	131	1572
	50	66	8.0	8	115	920
	50	67	12.5	2	278	556
	50	68	12.5	2	310	620
VC47	60	69	5.0	17	131	2227
	50	70	6.3	4	116	464
	50	71	12.5	2	401	802
	50	72	12.5	2	433	866
VC48	60	73	5.0	12	131	1572
	50	74	8.0	8	115	920
	50	75	12.5	2	278	556
	50	76	12.5	2	310	620
VC49	60	77	5.0	17	131	2227
	50	78	6.3	4	116	464
	50	79	12.5	2	401	802
	50	80	12.5	2	433	866
VC50	60	81	5.0	14	131	1834
	50	82	12.5	2	324	648
	50	83	12.5	2	362	724
VC51	60	84	5.0	14	131	1834
	50	85	12.5	2	324	648
	50	86	12.5	2	362	724
VC52	60	87	5.0	14	131	1834
	50	88	12.5	2	324	648
	50	89	12.5	2	362	724
VC53	60	90	5.0	14	131	1834
	50	91	12.5	2	324	648
	50	92	12.5	2	362	724
VC54	60	93	5.0	24	131	3144
	60	94	5.0	2	277	554
	50	95	12.5	2	550	1100
	50	96	12.5	2	173	346
	50	97	12.5	2	158	316
VC55	60	98	5.0	24	131	3144
	60	99	5.0	2	277	554
	50	100	12.5	2	550	1100
	50	101	12.5	2	173	346
	50	102	12.5	2	158	316
VC56	60	103	5.0	24	131	3144
	60	104	5.0	2	277	554
	50	105	12.5	2	550	1100
	50	106	12.5	2	173	346
	50	107	12.5	2	158	316
VC57	60	108	5.0	24	131	3144
	60	109	5.0	2	277	554
	50	110	12.5	2	550	1100
	50	111	12.5	2	173	346
	50	112	12.5	2	158	316

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	352.2	94.8
	8.0	72.4	31.4
	10.0	12.1	8.2
	12.5	759.6	804.9
CA60	5.0	506.1	85.8

PESO TOTAL	
CA50	939.3
CA60	85.8

Vol. concreto total = 10.81 m?
Área de forma total = 129.76 m?

PRÉDIO DE AUDITÓRIOS - TO
CAMPUS DE TEč FILO OTONI - MG

PROJETO ESTRUTURAL

UFVJM
Universidade Federal dos Vales do Jequitinhonha e Mucuri

Proprietario: **UNIVERSIDADE DOS VALES DO JEQUITINHONHA E MUCURI**

R.T.: Rogério Carlos Mariano
CREA: 51.487/D-MG

Conteudo: Detalhes das Vigas NÍVEL 755
Local: CAMPUS DE TEč FILO OTONI - MG
Prancha: 16/18

Escala: indicada
Data: Outubro/2008
Cidade: Teófilo Otoni
Estado: MG

AÇO: CA-50 e CA-60
CONCRETO: Fck = 20,0 Mpa

FORMATO A0 - INTERNO: 1149 x 821 mm.
EXTERNO: 1189 x 841 mm.