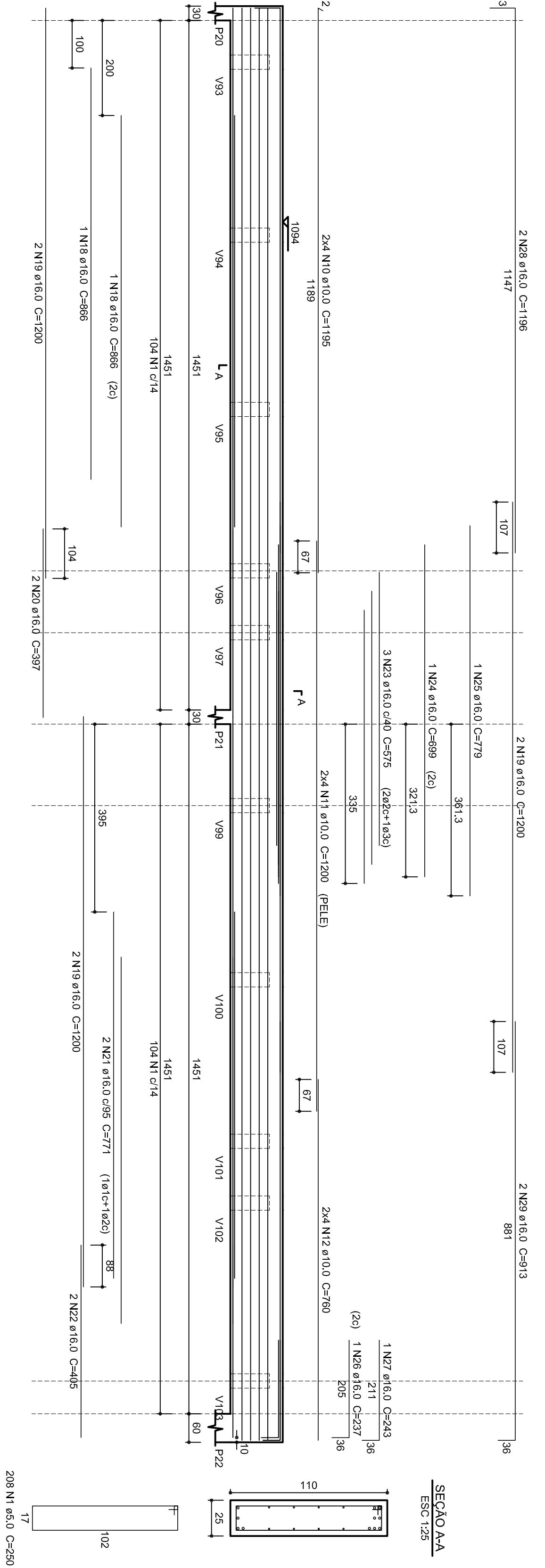
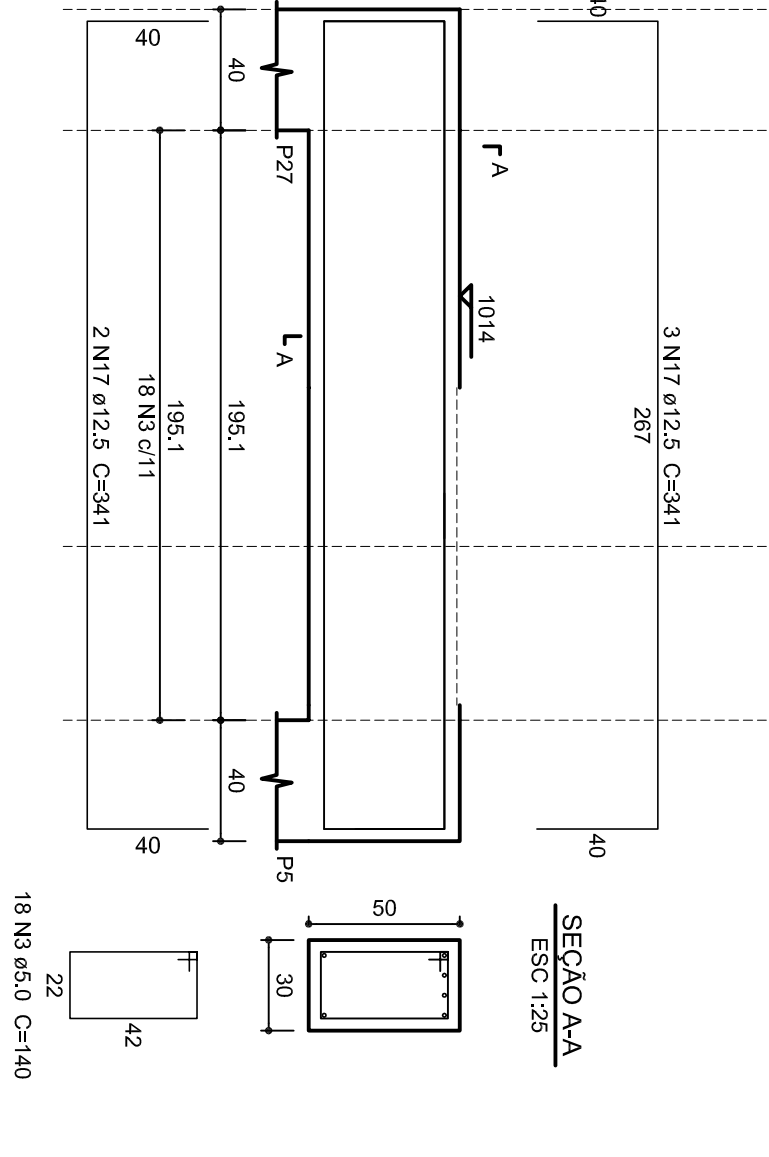


V8=V17 (25 x 110)



V30=V31=V37=V43=V54=V64=V70=V75=V81  
V92=V98 (30 x 50) - 11X



Relação do aço

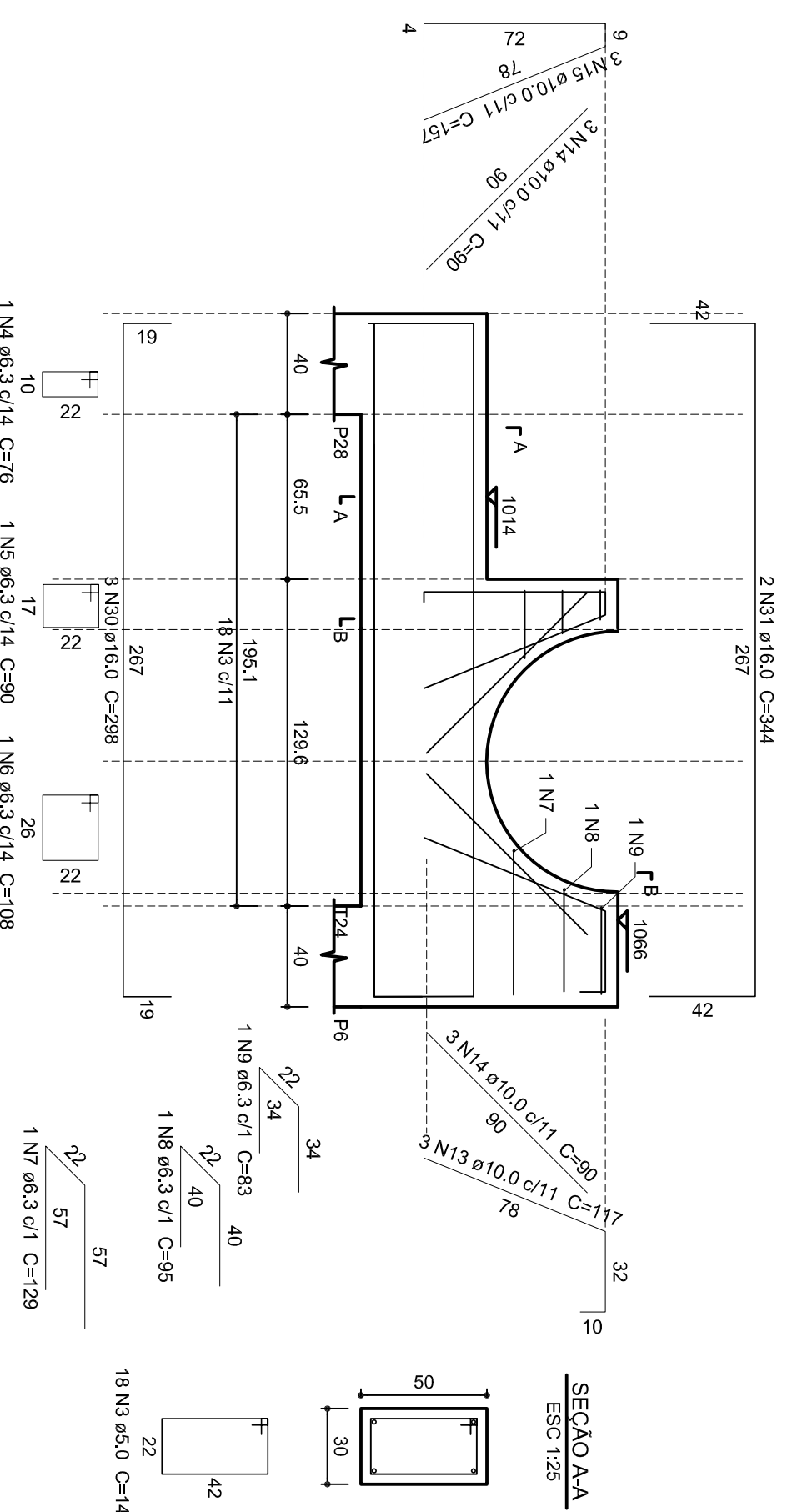
ACO	N	DIAM	QUANT	C.JUNT	C.TOTAL
CA50	1	5,0	416	250	104000
	2	5,0	1386	140	136800
	3	5,0	1700	110	187000
CA50	4	6,3	72	76	5472
	5	6,3	72	90	6480
	6	6,3	72	108	7776
	7	6,3	72	129	9288
	8	6,3	72	156	10968
	9	6,3	72	186	13068
	10	10,0	16	11956	191720
	11	10,0	16	12000	192000
	12	10,0	16	769	12160
	13	10,0	216	117	25272
	14	10,0	432	90	38880
	15	10,0	216	157	33912
	16	12,5	55	341	18755
	17	12,5	55	341	18755
	18	16,0	4	866	3464
	19	16,0	12	1200	14400
	20	16,0	4	397	1588
	21	16,0	4	771	3084
	22	16,0	6	575	3450
	23	16,0	2	699	1398
	24	16,0	2	779	1558
	25	16,0	2	237	474
	26	16,0	2	243	486
	27	16,0	2	237	474
	28	16,0	4	1196	4784
	29	16,0	4	1196	4784
	30	16,0	27	298	8046
	31	16,0	18	344	6192

Resumo do aço

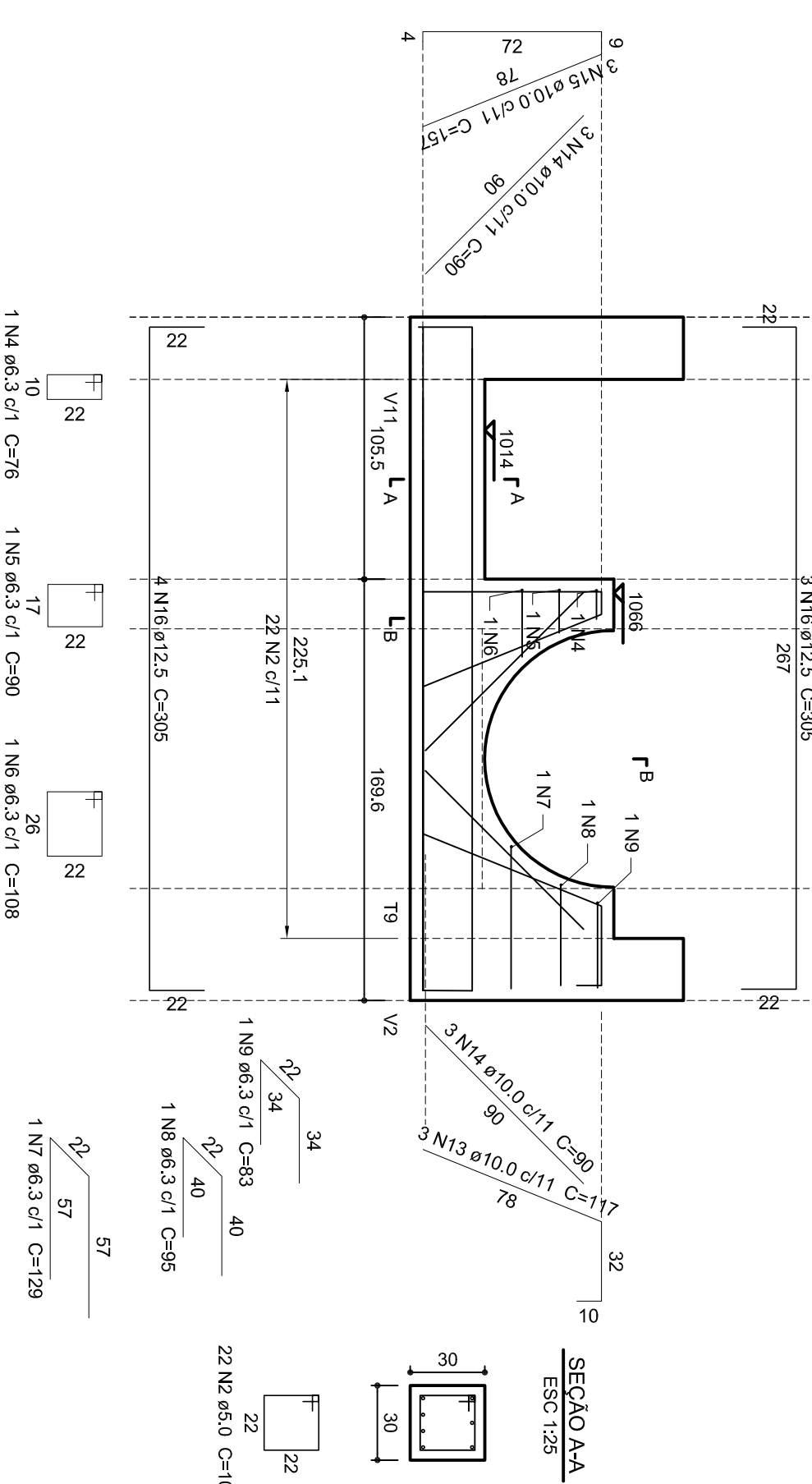
ACO	DIAM	C.TOTAL	PESO
CA50	6,3	415,4	102,4
	10,0	1485,5	915,8
	12,5	152,6	1476,4
CA60	16,0	942	855,4
	16,0	2550	45716
PESO TOTAL	(kg)		3350
CA60	451,8		

Volume de concreto (C-30) = 43,46 m³  
Área de forma = 380,38 m²

V25=V42=V48=V53=V58=V69=V80=V86=V91 (30X50) - 9X



1 ARMAÇÃO DAS VIGAS NIVEL DA ADUTORA - FL 03/03



S1 a 26 - 26 X  
PLANTA  
ESC 1:25

CORTE AA  
ESC 1:25

CORTE BB  
ESC 1:25

CORTE BB  
ESC 1:25

SAPATAS-L1  
ESC 1:25

26xP5

Relação do aço

ACO	N	DIAM	QUANT	C.JUNT	C.TOTAL
CA60	1	5,0	104	37	34320
	2	5,0	624	37	23388
	3	5,0	78	136	10608
	4	5,0	78	96	7488
	5	5,0	78	80	6240
	6	10,0	520	188	97260
	7	10,0	240	188	97260
	8	12,5	416	188	69728

Resumo do aço

ACO	DIAM	C.TOTAL	PESO
CA50	10,0	1822,4	1000,3
CA60	12,5	657,3	693,2
CA60	5,0	817,5	726
PESO TOTAL	(kg)		2419,5
CA50	1833,5		
CA60	1256		

Volume de concreto (C-30) = 39,08 m³  
Área de forma = 152,88 m²



Serviços de Água e Esgoto  
de Novo Hamburgo - RS  
Fone / fax: (51) 3587-1121



SISTEMA DE RECALQUE E ADUÇÃO DE ÁGUA BRUTA DE  
NOVO HAMBURGO - RS

TRANSERVA NO BANHADO DO RIO DOS SINOS  
PROJETO ESTRUTURAL - ARMAÇÃO

Eng. Vitor P. Werlang

12/14