

Vigas Baldrame - Detalhamento

Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
VS1	CA50	1	5,0	10	52	520
	CA60	1	6,3	10	52	520
	CA50	3	8,0	2	204	408
VS2	CA60	4	5,0	8	92	736
	CA50	6	8,0	2	200	400
	CA50	7	8,0	2	210	420
VS3	CA60	7	5,0	24	92	2208
	CA50	9	8,0	2	517	1034
	CA60	9	8,0	2	517	1034
VS4	CA60	10	5,0	2	92	184
	CA50	11	8,0	2	82	164
	CA50	12	8,0	2	46	92
VS5	CA60	13	5,0	8	92	736
	CA50	14	8,0	2	200	400
	CA60	14	8,0	2	200	400
VS6	CA60	16	5,0	12	92	1104
	CA50	17	8,0	2	285	570
	CA50	18	8,0	2	295	590
VS7	CA60	19	8,0	12	92	1104
	CA50	20	8,0	2	280	560
	CA50	21	8,0	2	280	560
VS8	CA60	22	5,0	8	92	736
	CA50	23	8,0	2	200	400
	CA50	24	8,0	2	200	400
VS9	CA60	25	5,0	10	CORR	2380
	CA60	26	5,0	10	CORR	2380
	CA60	27	5,0	25	172	4300
VS10	CA60	28	8,0	3	553	1659
	CA60	30	5,0	24	92	2208
	CA50	31	8,0	2	522	1044
VS11	CA50	32	8,0	2	486	972
	CA60	33	5,0	20	92	1840
	CA60	34	8,0	2	472	944
VS12	CA60	35	8,0	17	92	1564
	CA60	38	5,0	2	380	760
	CA50	37	8,0	2	354	708
VS13	CA60	39	5,0	22	92	2024
	CA60	40	8,0	2	497	994
	CA60	42	5,0	2	380	760
VS14	CA60	43	8,0	2	522	1044
	CA60	44	8,0	2	550	1100
VS15	CA60	45	8,0	24	92	2208
	CA50	46	5,0	2	522	1044
VS16	CA60	47	5,0	2	522	1044
	CA60	48	5,0	24	CORR	4128
	CA60	49	5,0	2	172	344
VS15	CA50	50	8,0	3	522	1566
	CA50	51	8,0	3	548	1644

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (Kg)
CA50	8,0	248,9	98,2
CA60	10,0	10,5	6,4
CA60	5,0	381,1	56,7
PESO TOTAL			(Kg)
CA50	104,6		
CA60	58,7		

Volume de concreto (C-25) = 3,1 m³  
Área de formas = 88,27 m²

NOTAS

1º ) O CONCRETO ADOPTADO  
C10,5se 25 (C25) – FCK,25MPa  
Consumo mínimo de cimento = 280kg/m³  
Relação água/cimento < 0,50  
2º ) VERIFICAR TODAS AS MEDIDAS NA OBRA  
3º ) CONSULTAR EM CASO DE DÚVIDAS

LEGENDA DOS PILARES

PILARES QUE CONTINUAM

PILARES QUE NÃO CONTINUAM

PILARES COM MUDANÇA DE SEÇÃO

A	EMISSÃO INICIAL	RAFUEL	26/07/2014
Nº	Registro de Modificações	Visto	Data

**Associação de Municípios do Nordeste do Estado de Santa Catarina**  
R. 2044-55 - JOINVILLE - SC - 89104-900 - Fone: (0)47-433.3422  
ASSESSORIA E COORDENAÇÃO DE PLANEJAMENTO MUNICIPAL E REGIONAL  
CNEA - SC - 48.825-4  
Home Page : [www.amunesc.org.br](http://www.amunesc.org.br)

TRABALHO CUSTEADO E REALIZADO ATRAVÉS DA ASSOCIAÇÃO DE MUNICÍPIOS DO NORDESTE DE SANTA CATARINA

Data: PRONTO ATENDIMENTO 24 HORAS SUL - PA SUL

Elaborado por:

RUA JOÃO DA COSTA JR. ESO. MONSENHOR G. - BAIRRO JOÃO COSTA, JOINVILLE/SC

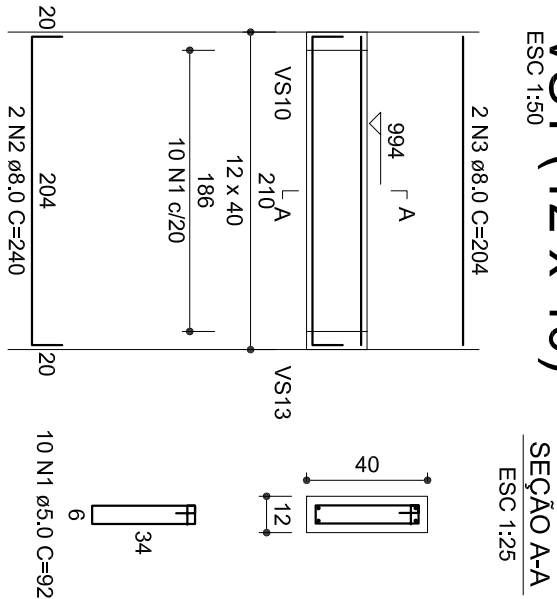
Projeto:	PROJETO ESTRUTURAL	Data:	JUL/2014
Coordenador:	RAFAEL A.F.	Elaborado por:	RAFAEL A.F.
Coordenador:	COORDENADOR	Elaborado por:	COORDENADOR

SUBSTITUIÇÃO E GERADOR - DETALHAMENTOS VIGAS

**FITEJ** - FUNDAÇÃO INSTITUTO DE TECNOLOGIA DE JOINVILLE  
LUCIO MARCELO DE MOURA  
ENGRº CIVIL - CREIA 099.185-2  
[www.2009open.com.br](http://www.2009open.com.br) - (47) 3026-8688

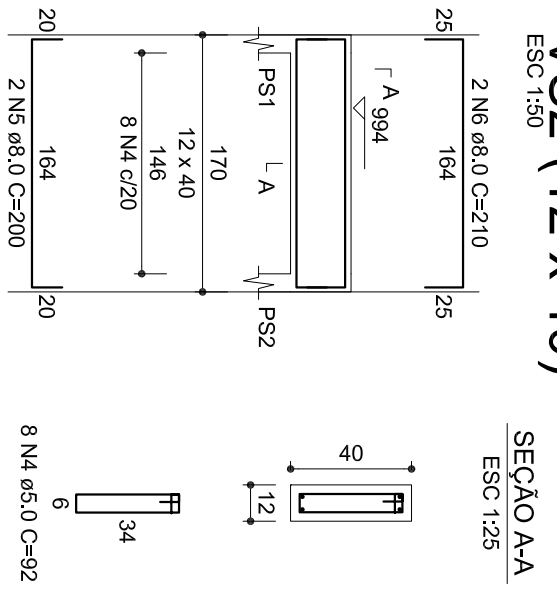
EST D04/04

VS1 (12 x 40)



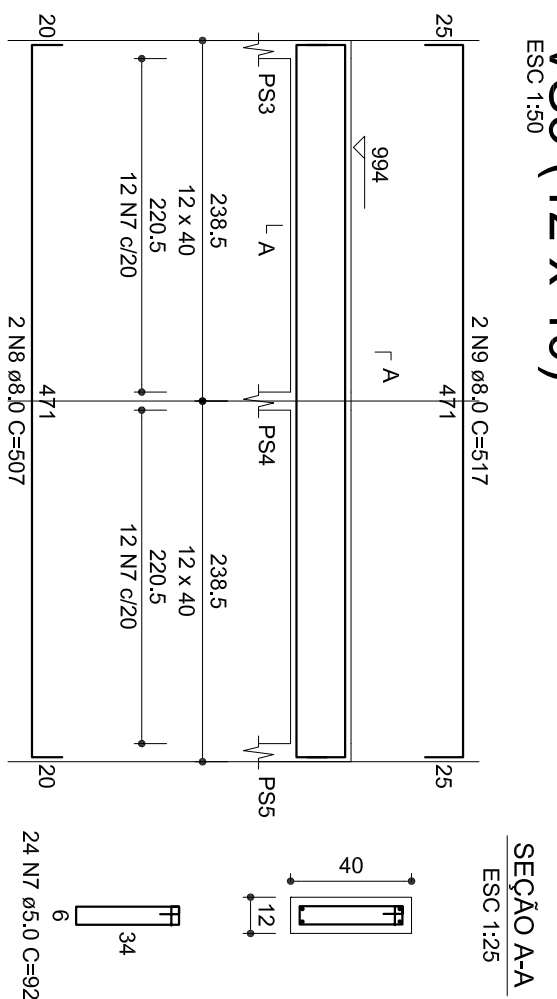
SEÇÃO A-A  
ESC 1:25

VS2 (12 x 40)



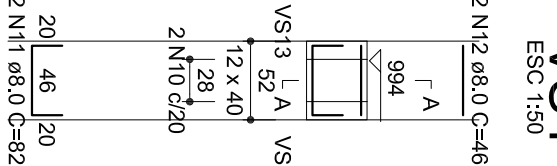
SEÇÃO A-A  
ESC 1:25

VS3 (12 x 40)



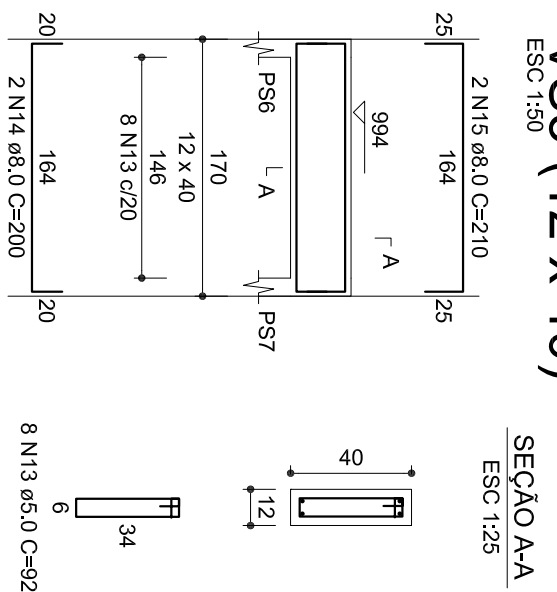
SEÇÃO A-A  
ESC 1:25

VS4 (12 x 40)



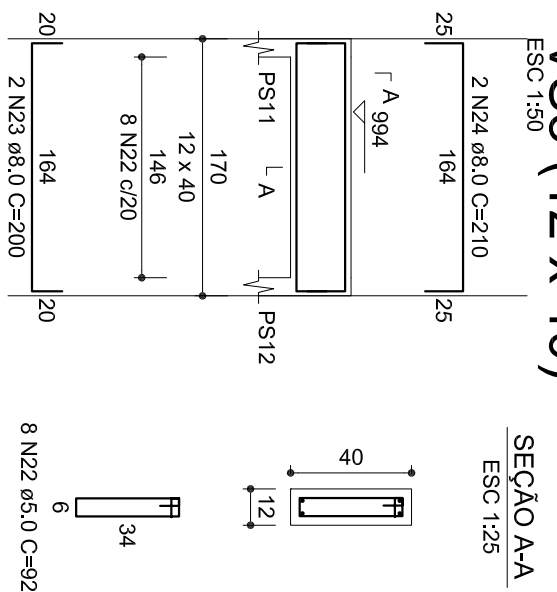
SEÇÃO A-A  
ESC 1:25

VS5 (12 x 40)



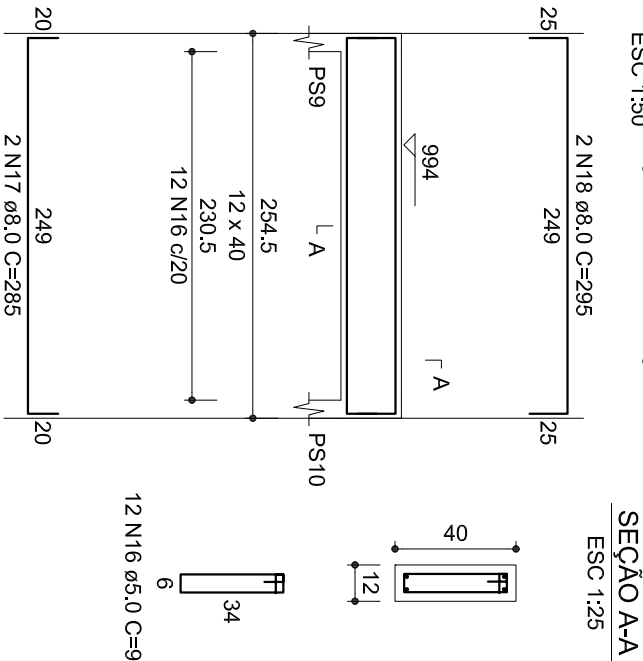
SEÇÃO A-A  
ESC 1:25

VS8 (12 x 40)



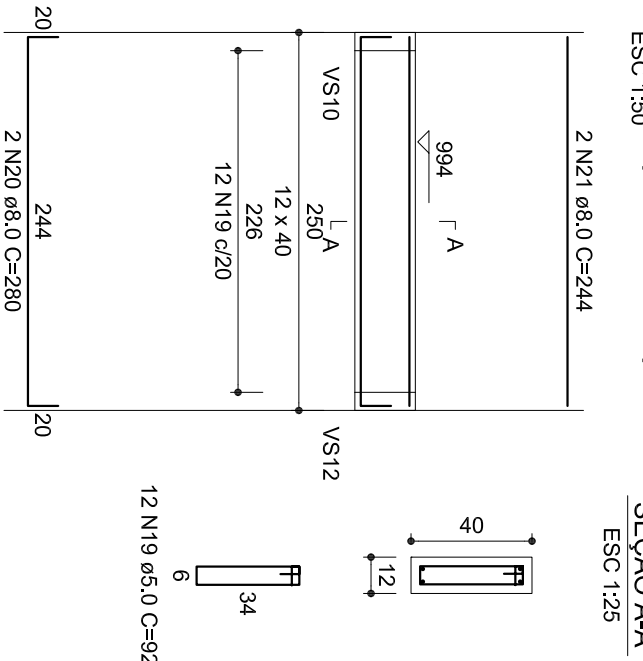
SEÇÃO A-A  
ESC 1:25

VS6 (12 x 40)



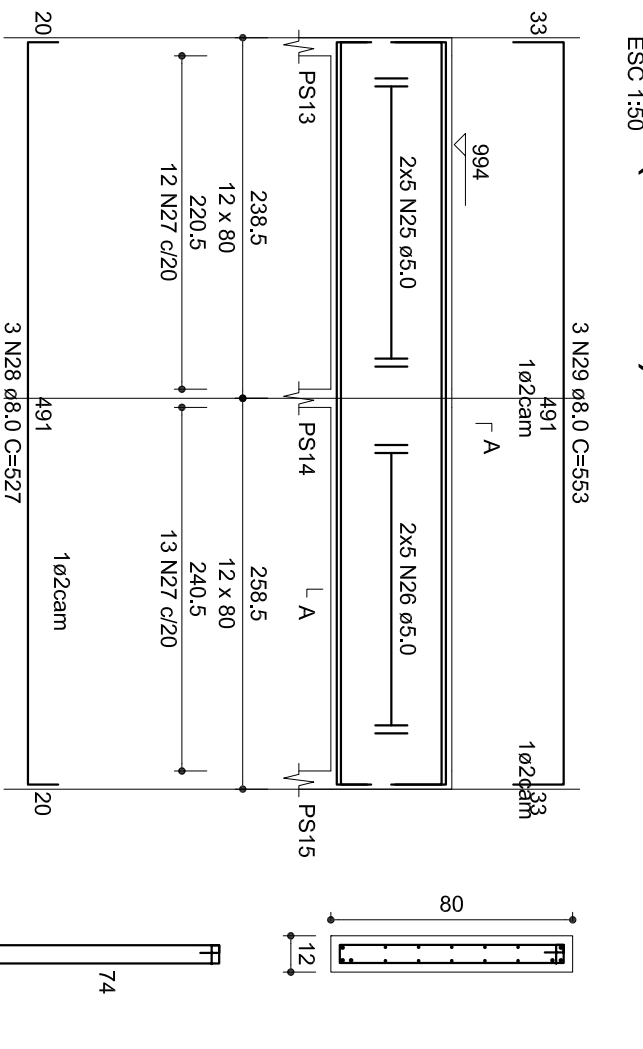
SEÇÃO A-A  
ESC 1:25

VS7 (12 x 40)



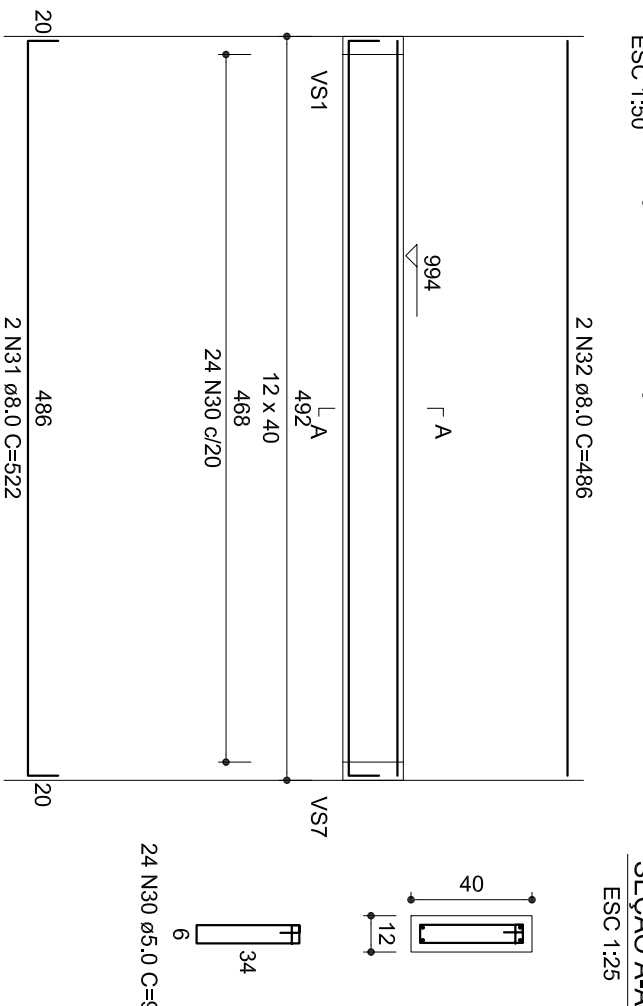
SEÇÃO A-A  
ESC 1:25

VS9 (12 x 80)



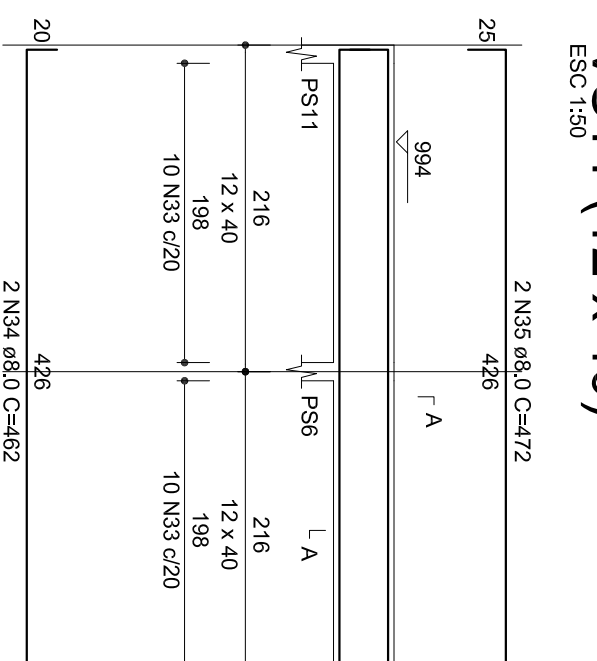
SEÇÃO A-A  
ESC 1:25

VS10 (12 x 40)



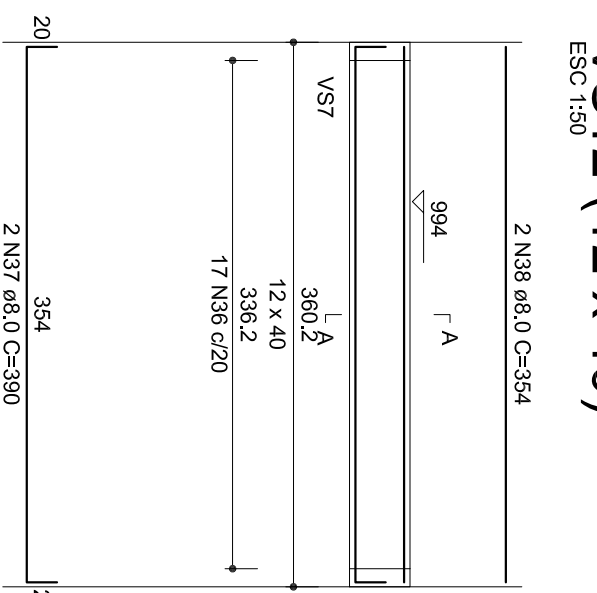
SEÇÃO A-A  
ESC 1:25

VS11 (12 x 40)



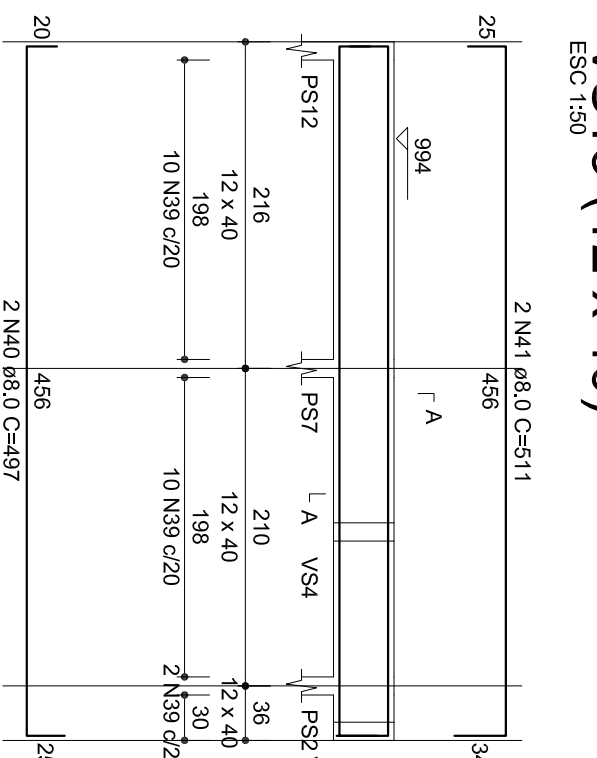
SEÇÃO A-A  
ESC 1:25

VS12 (12 x 40)



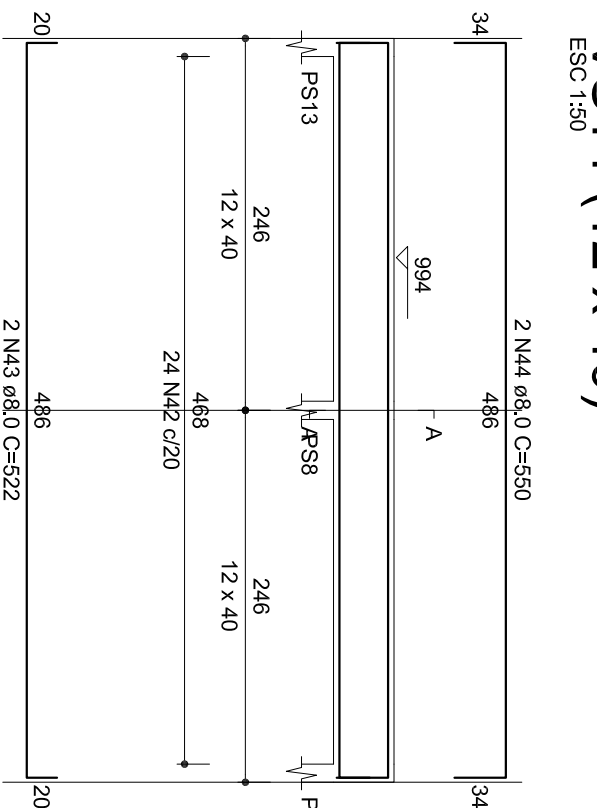
SEÇÃO A-A  
ESC 1:25

VS13 (12 x 40)



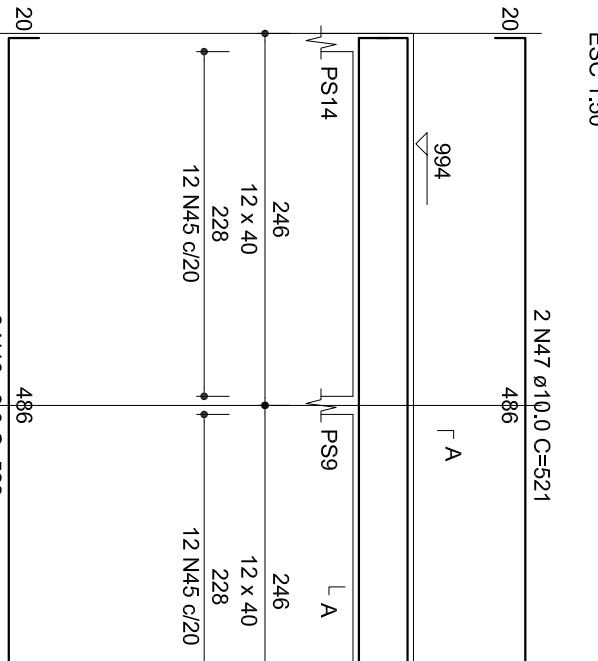
SEÇÃO A-A  
ESC 1:25

VS14 (12 x 40)



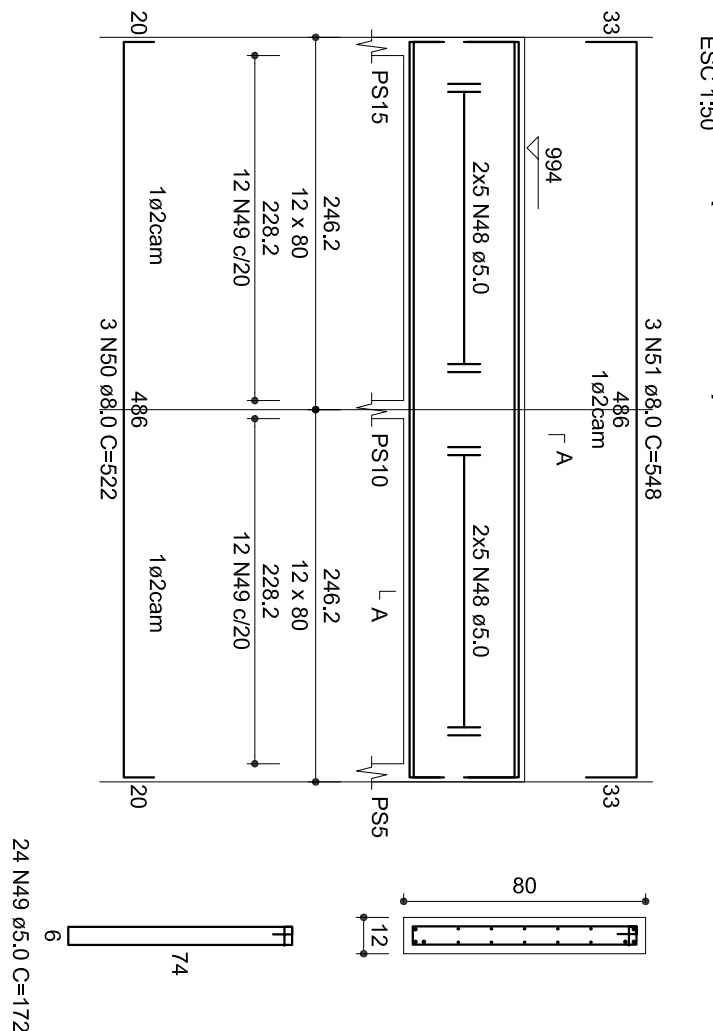
SEÇÃO A-A  
ESC 1:25

VS15 (12 x 40)



SEÇÃO A-A  
ESC 1:25

VS16 (12 x 80)



SEÇÃO A-A  
ESC 1:25