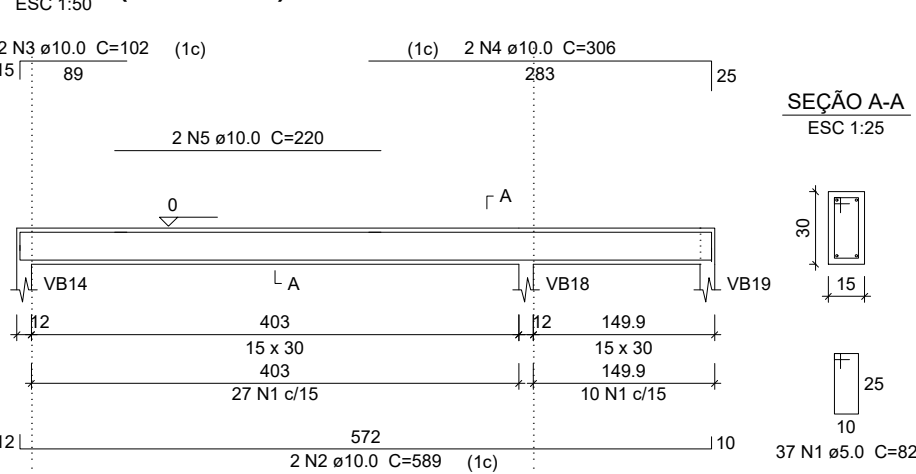
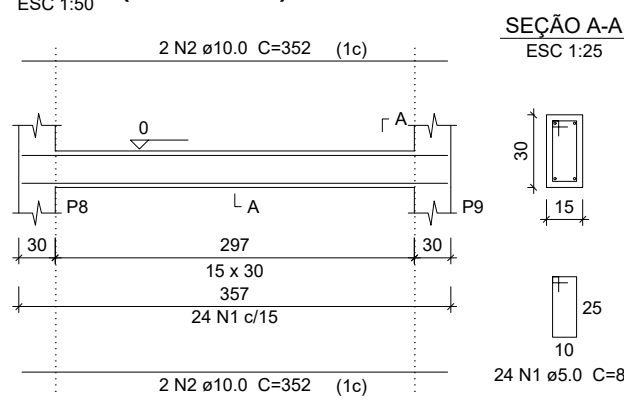


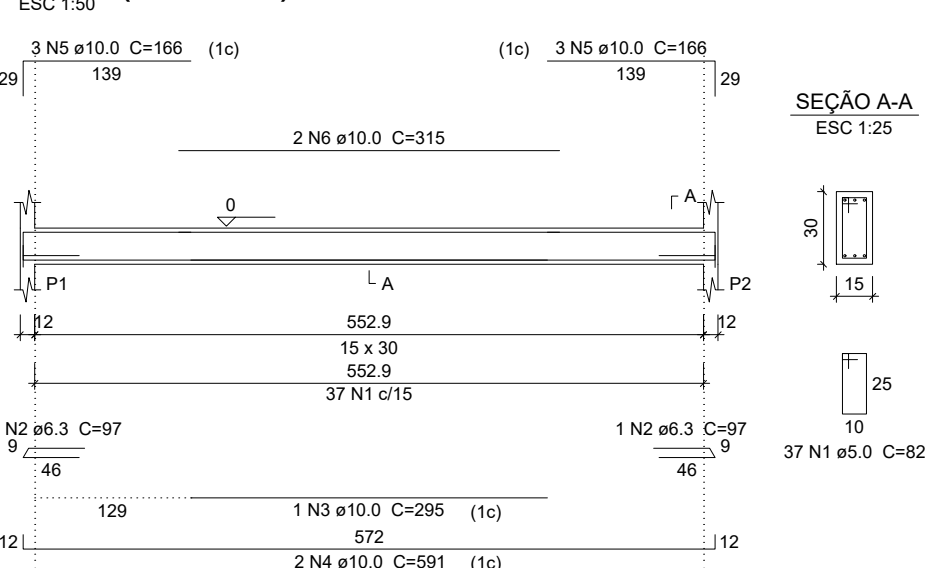
VB5 (15 x 30)



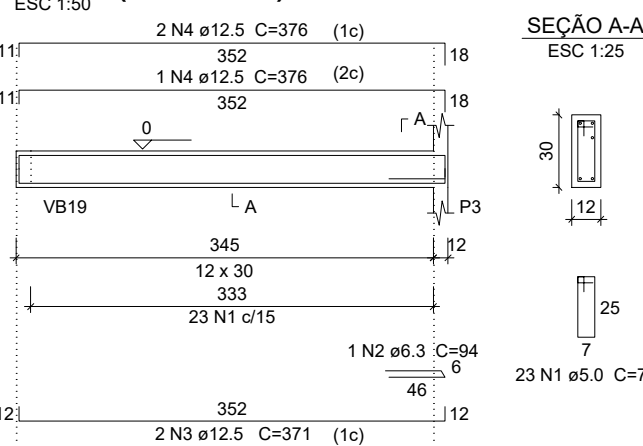
VB6 (15 x 30)



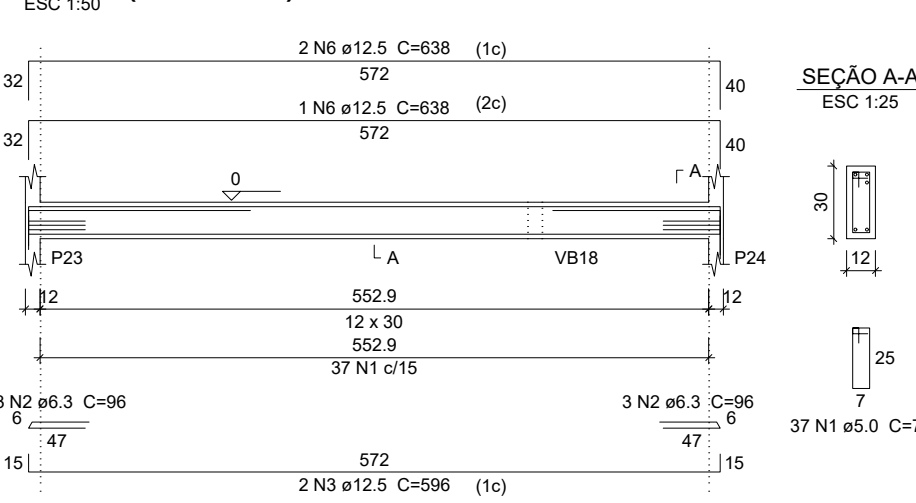
VB1 (15 x 30)



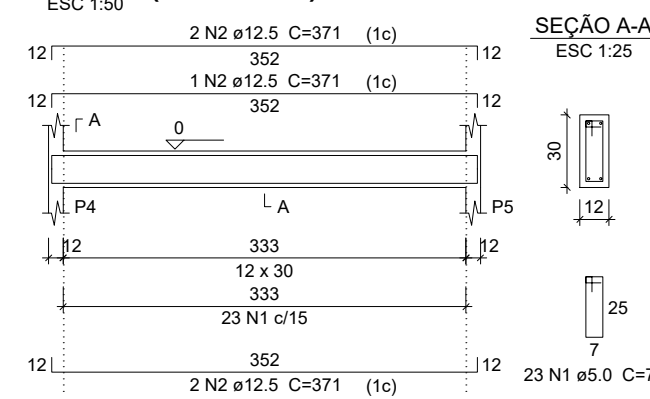
VB2 (12 x 30)



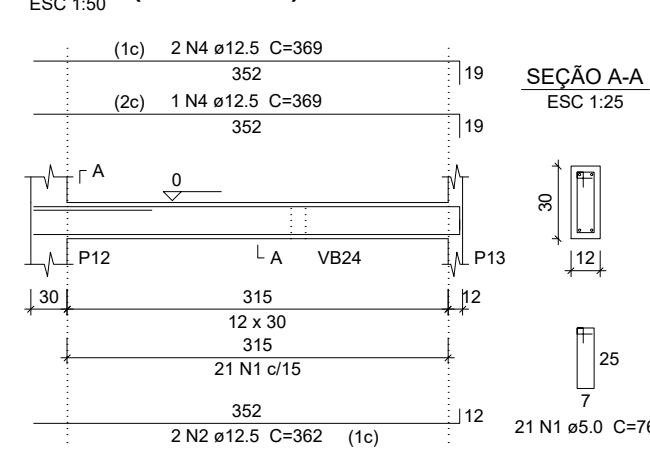
VB3 (12 x 30)



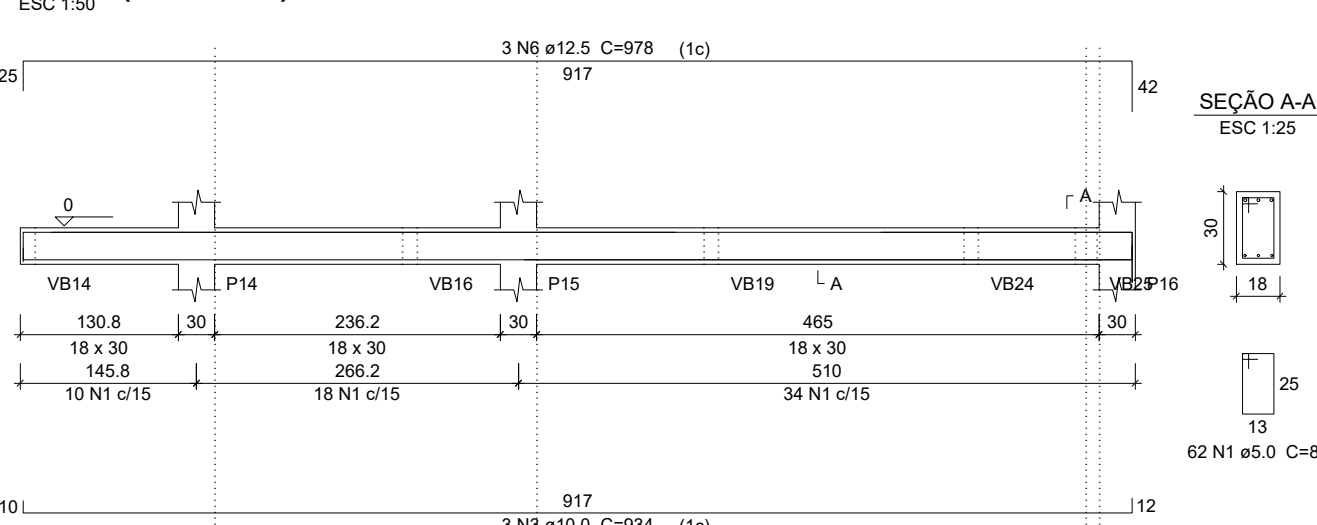
VB4 (12 x 30)



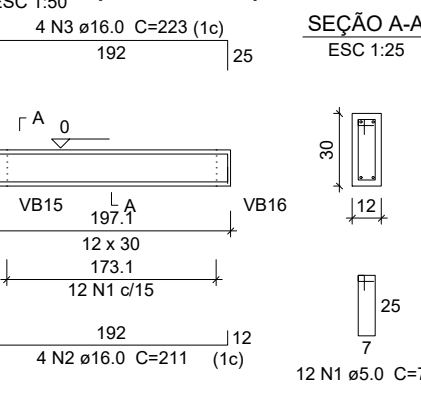
VB7 (12 x 30)



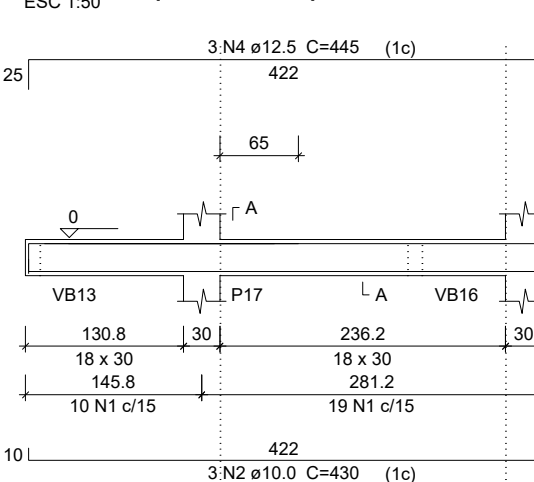
VB8 (18 x 30)



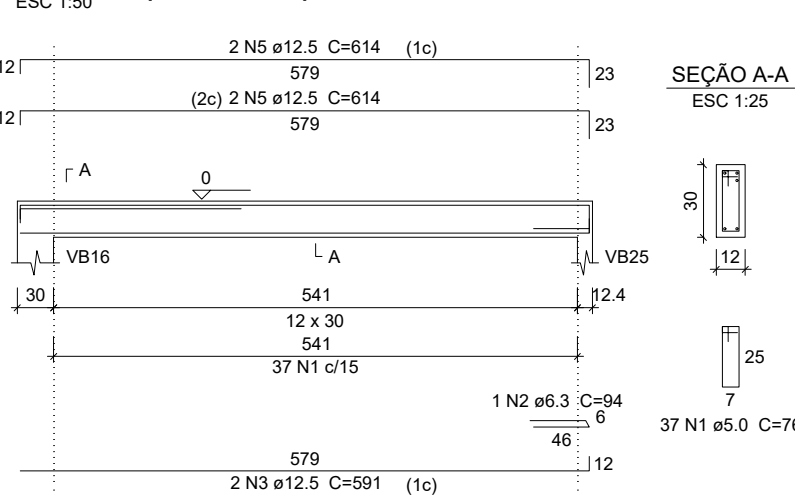
VB9 (12 x 30)



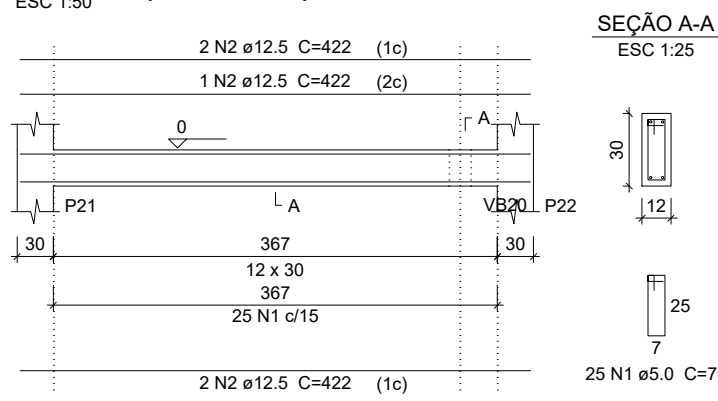
VB10 (18 x 30)



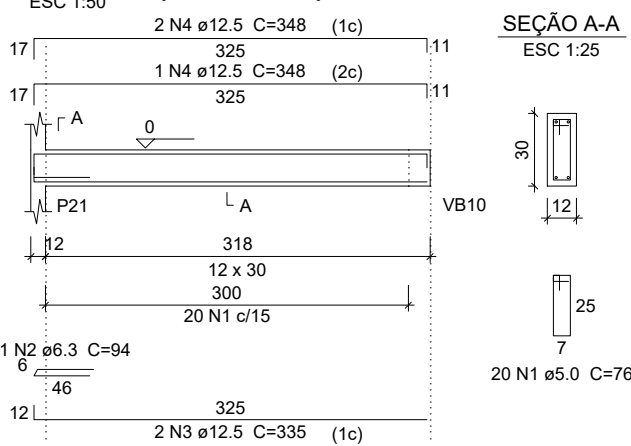
VB11 (12 x 30)



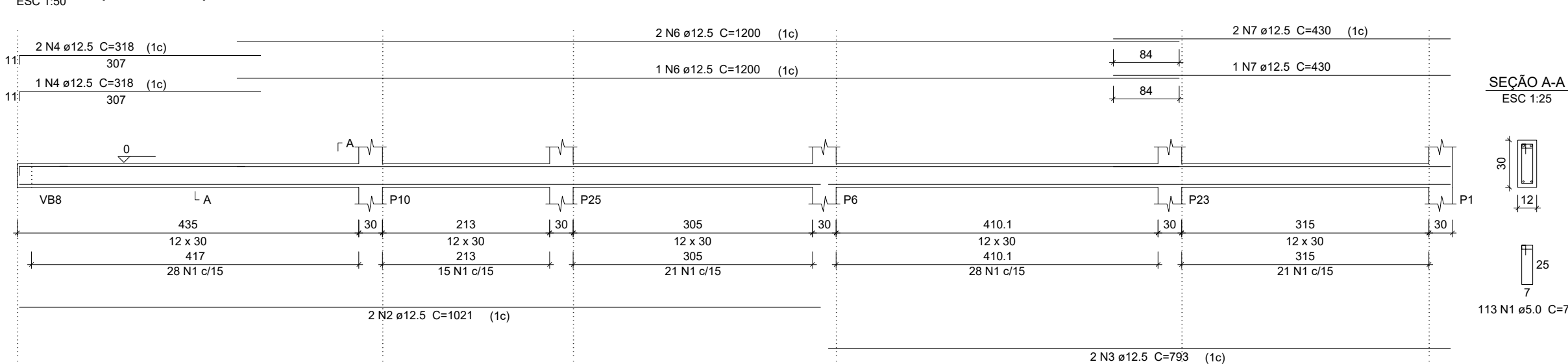
VB12 (12 x 30)



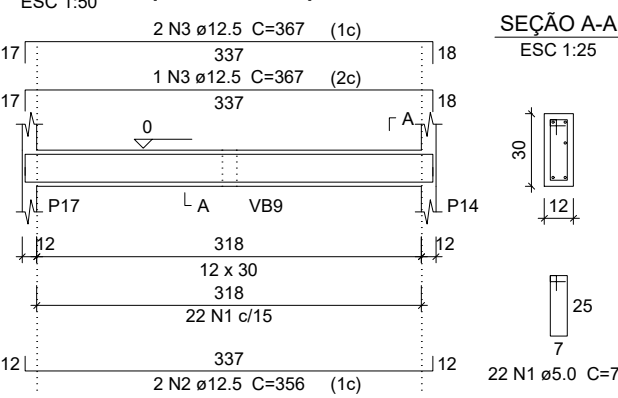
VB13 (12 x 30)



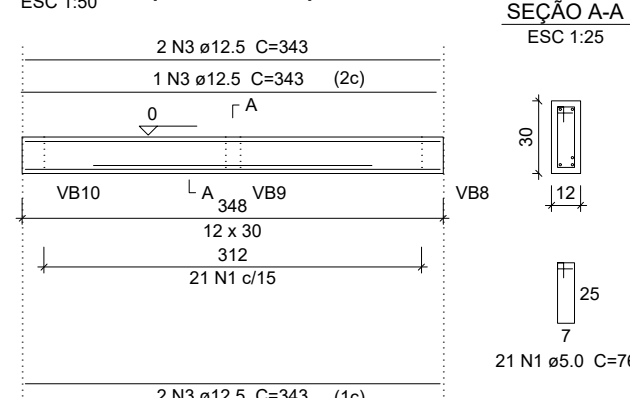
VB14 (12 x 30)



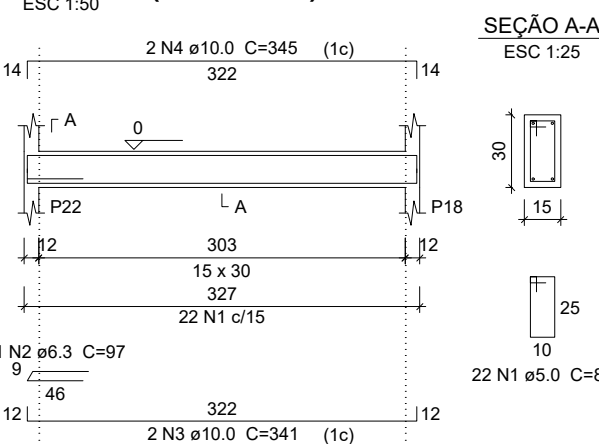
VB15 (12 x 30)



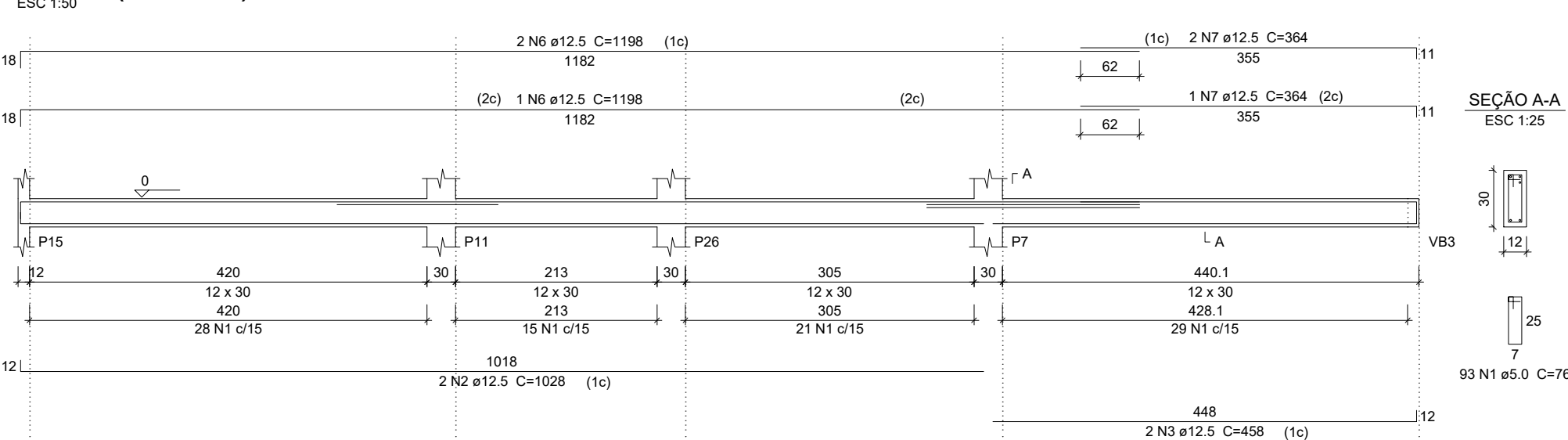
VB16 (12 x 30)



VB17 (15 x 30)



VB18 (12 x 30)



Relação do aço						
ELEMENTO	AÇO	N	O	UNIT	C	
VB5	CA80	1	5.0	37	82	
	CA50	2	10.0	2	589	
	CA50	3	10.0	2	102	
	CA50	4	10.0	2	306	
	CA50	5	10.0	2	220	
VB6	CA80	1	5.0	24	82	
	CA50	2	10.0	4	352	
	CA80	1	5.0	37	92	
	CA50	2	6.3	2	97	
	CA50	3	10.0	1	295	
VB1	CA50	4	10.0	2	591	
	CA50	5	10.0	6	166	
	CA50	6	10.0	2	315	
	CA80	1	5.0	23	76	
	CA50	2	6.3	1	94	
VB2	CA50	3	10.0	2	371	
	CA50	4	10.0	2	376	
	CA80	1	5.0	37	76	
	CA50	2	6.3	6	96	
	CA50	3	12.5	2	596	
VB3	CA50	4	12.5	1	213	
	CA50	5	12.5	1	176	
	CA50	6	12.5	2	638	
	CA80	1	5.0	23	76	
	CA50	2	10.0	4	371	
VB4	CA80	1	5.0	21	76	
	CA50	2	10.0	2	382	
	CA50	3	10.0	1	98	
	CA50	4	10.0	2	369	
	CA80	1	5.0	62	86	
VB7	CA50	2	10.0	1	512	
	CA50	3	10.0	2	934	
	CA50	4	12.5	1	516	
	CA50	5	12.5	1	247	
	CA50	6	12.5	2	978	
VB8	CA80	1	5.0	12	76	
	CA50	2	10.0	2	211	
	CA50	3	10.0	2	223	
	CA80	1	5.0	29	86	
	CA50	2	10.0	2	430	
VB9	CA50	3	10.0	2	190	
	CA50	4	10.0	2	445	
	CA80	1	5.0	29	76	
	CA50	2	6.3	1	94	
	CA50	3	10.0	2	480	
VB10	CA50	4	10.0	1	193	
	CA50	5	10.0	2	500	
	CA80	1	5.0	25	76	
	CA50	2	10.0	4	422	
	CA80	1	5.0	20	76	
VB11	CA50	2	6.3	1	94	
	CA50	3	10.0	2	335	
	CA50	4	10.0	2	348	
	CA80	1	5.0	113	76	
	CA50	2	10.0	2	1021	
VB12	CA50	3	10.0	2	793	
	CA50	4	10.0	2	71	
	CA50	5	10.0	2	236	
	CA50	6	12.5	2	1200	
	CA50	7	12.5	2	430	
VB13	CA80	1	5.0	22	76	
	CA50	2	10.0	2	356	
	CA50	3	10.0	2	367	
	CA80	1	5.0	21	76	
	CA50	2	10.0	1	230	
VB14	CA50	3	10.0	4	343	
	CA80	1	5.0	22	82	
	CA50	2	6.3	1	97	
	CA50	3	10.0	2	341	
	CA50	4	10.0	2	345	
VB15	CA80	1	5.0	93	76	
	CA50	2	10.0	2	1028	
	CA50	3	10.0	2	458	
	CA50	4	10.0	1	170	
	CA50	5	10.0	3	225	
VB16	CA50	6	10.0	2	1198	
	CA50	7	10.0	2	364	

Resumo do aço				
AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)	
CA50	6.3	11.5	3.1	
	10.0	376.8	255.5	
	12.5	88.4	93.6	
CA80	5.0	512.2	86.8	
PESO TOTAL				
CA50	352.2			
CA80	86.8			
Vol. de concreto total (C=30) = 4.1 m³				
Área de forma total = 75.25 m²				



PREFEITURA MUNICIPAL DE TUCUNDUVA

Secretaria de Obras, Viação e Serviços Urbanos

GESTÃO: 2017-2020

Obra: CRAS

PROPRIETÁRIO: Prefeitura Municipal de Tucunduva

RESP.TÉCNICO: ENG. CIVIL CRISTIAN SCHENDEL / CREA 195387

ESTRUTURAL

RUA SANTA ROSA, 520
CENTRO
TUCUNDUVA-RS
Fone: (55) 3542-1022

ÁREA: 213,78m²

ESCALA: 1/125

FRANCHA: 17

REVISÃO:

DATA: NOVEMBRO DE 2019

DESENHO: Juliana Bohun