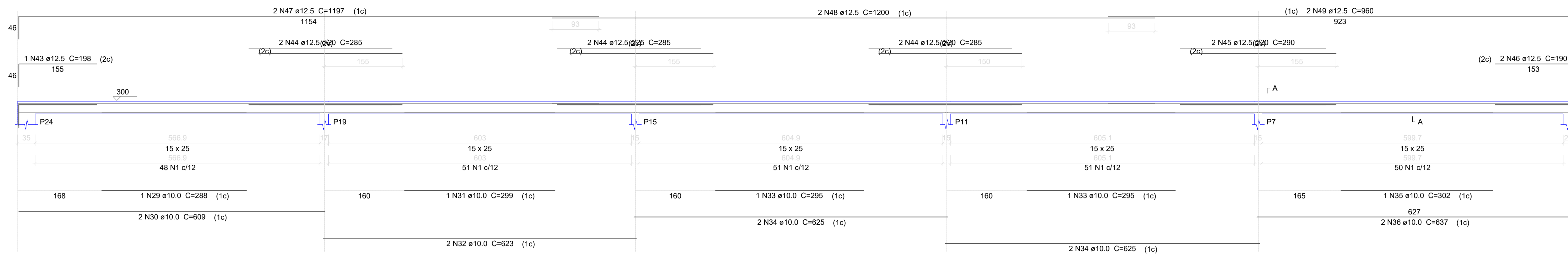
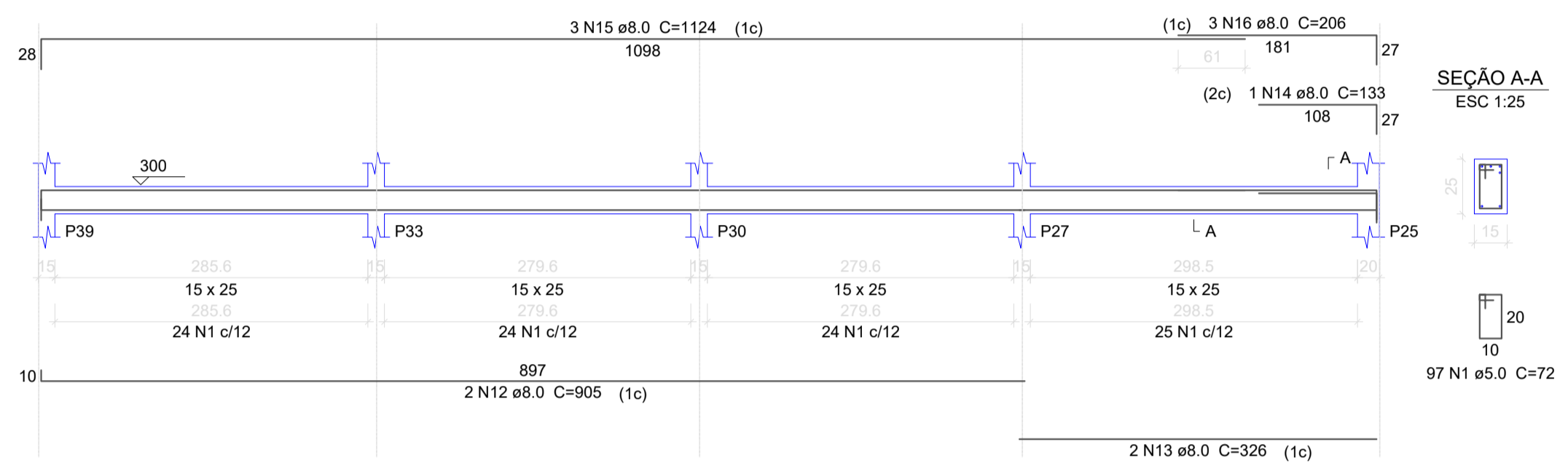


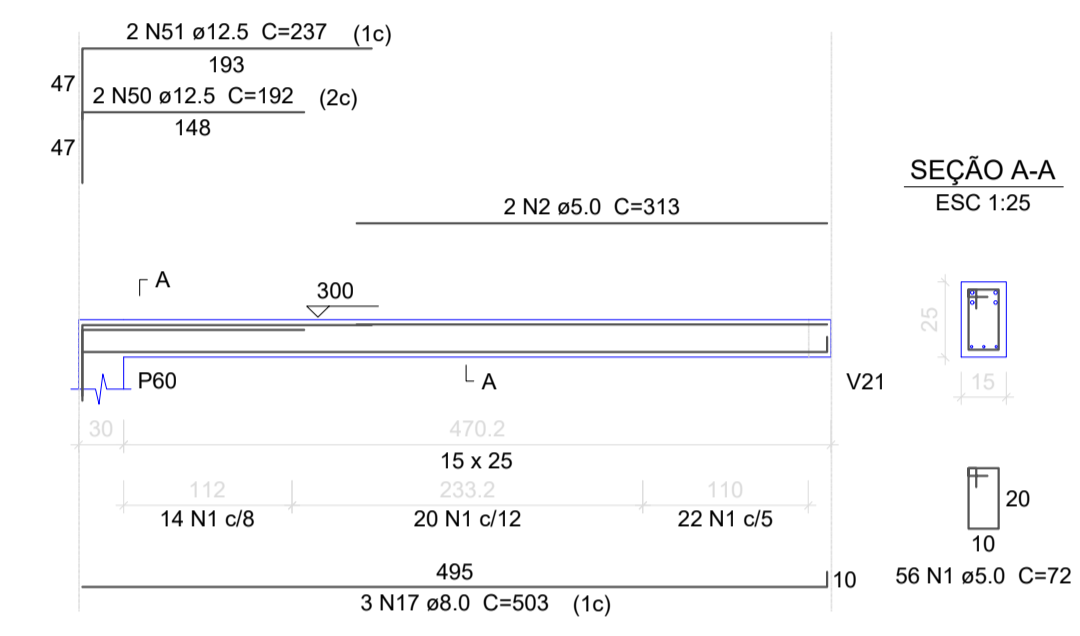
**V30**  
ESC 1:50



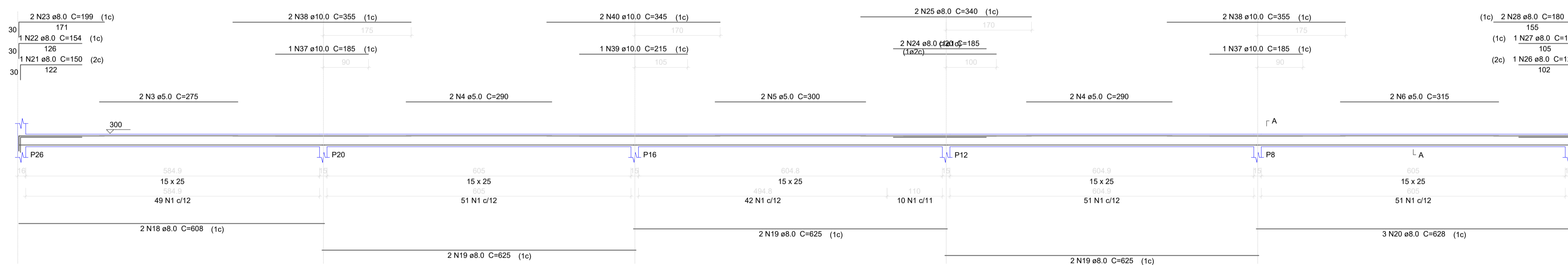
**V31**  
ESC 1:50



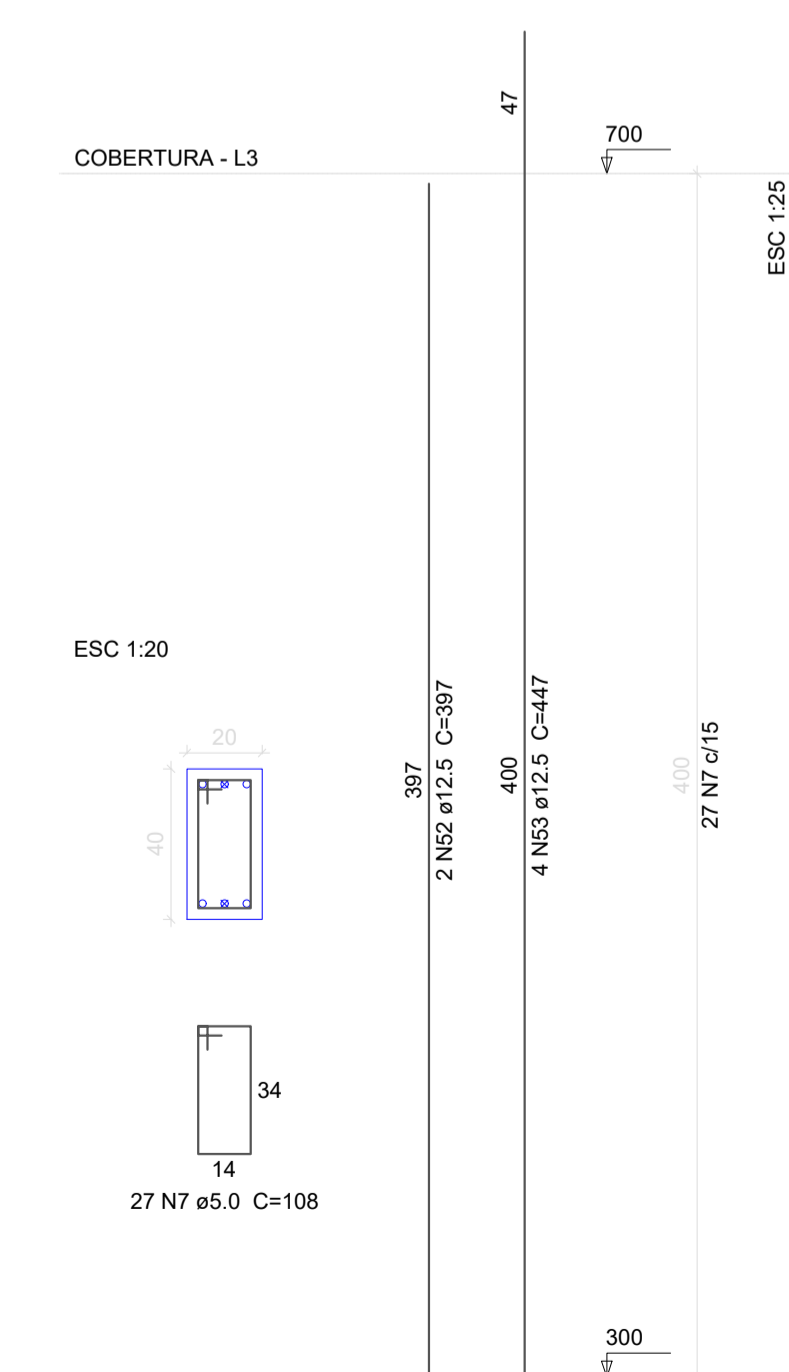
**V32**  
ESC 1:50



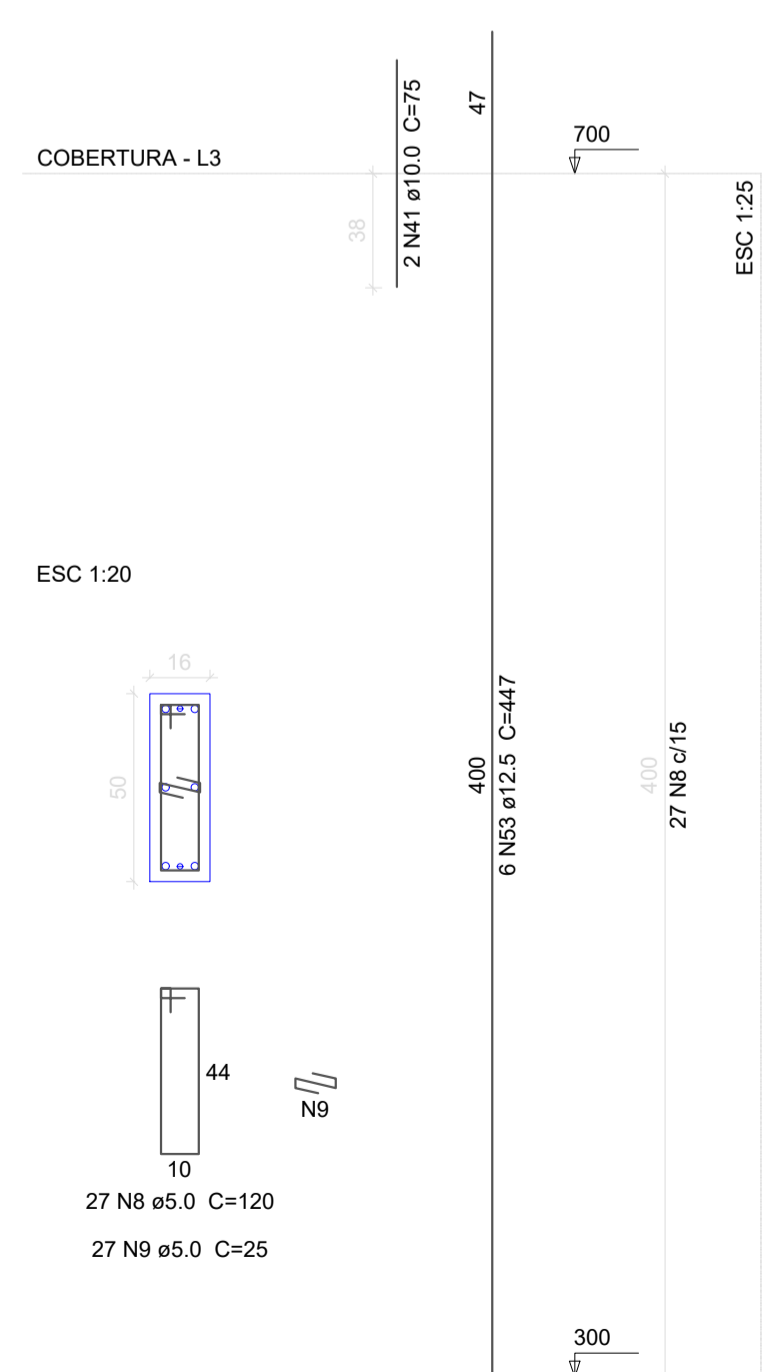
**V34**  
ESC 1:50



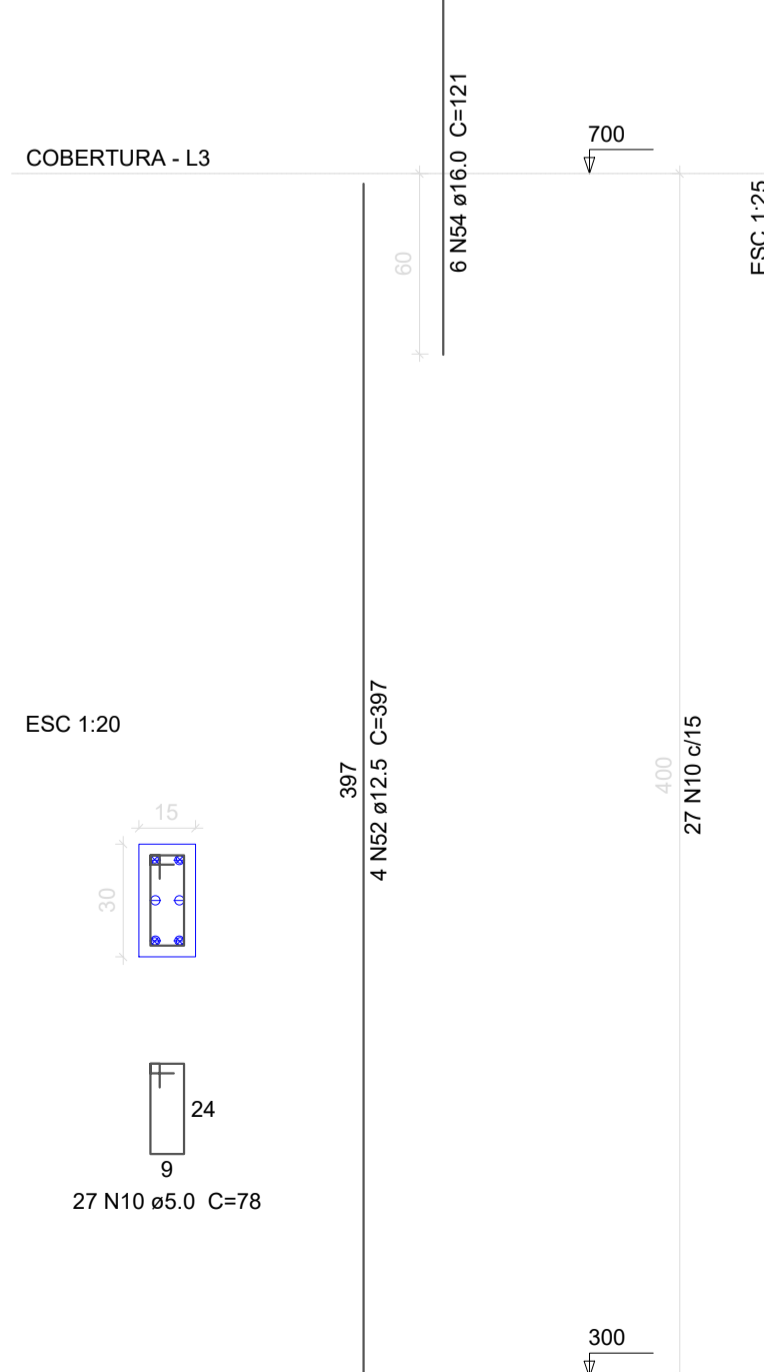
**P25**



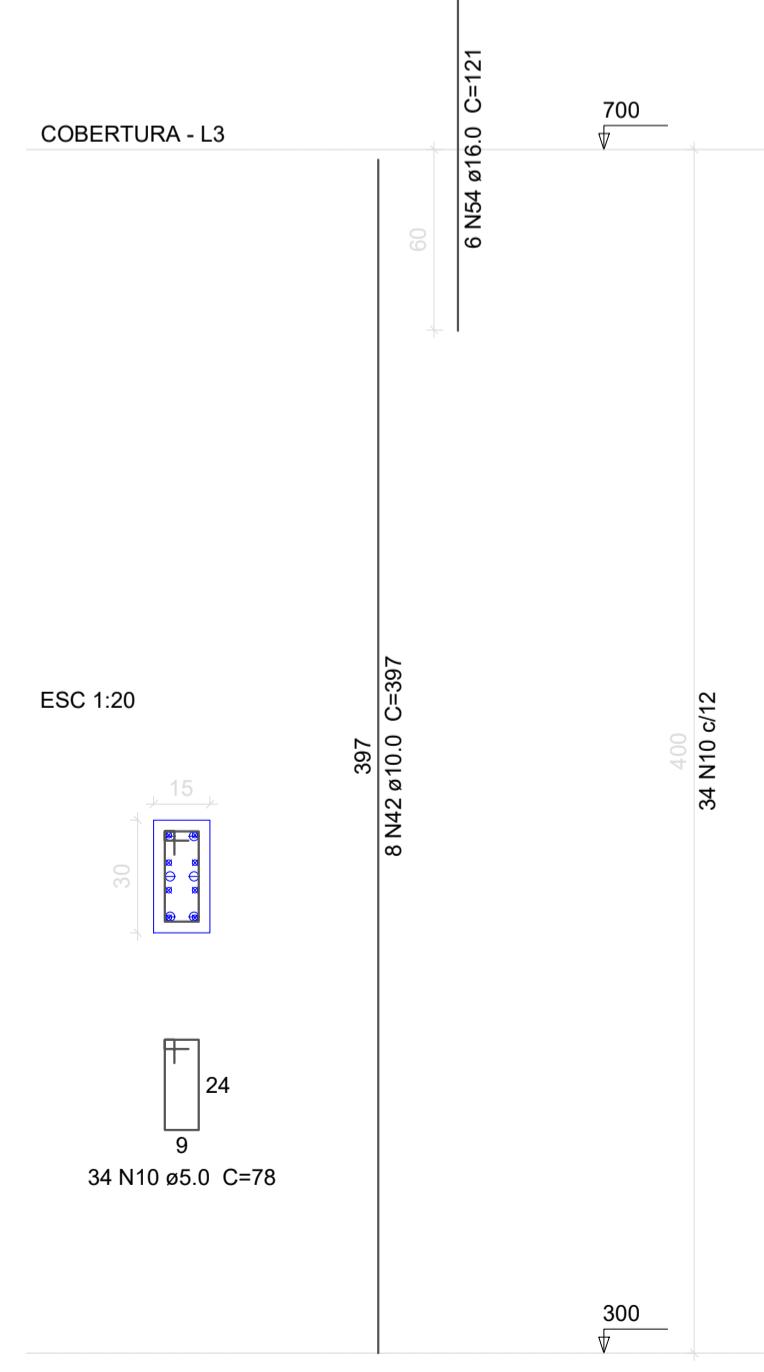
**P26**



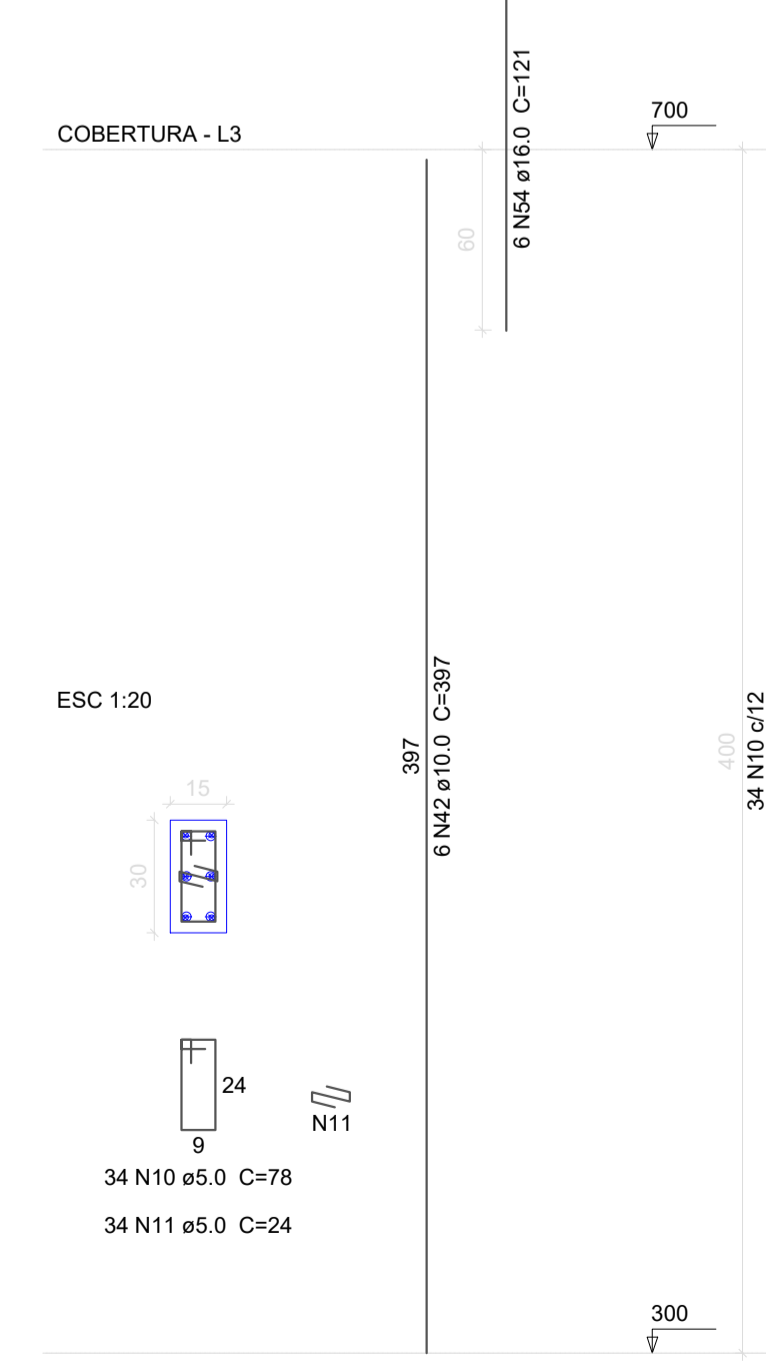
**P27**



**P28=P34**



**P30=P33**



**Relação do aço**

Terreno:	CA60	CA50			
Cobertura: P25, P27, V30, V32					
	P26, 2xP28	V31, V34			
ÁÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	658	72	47376
	2	5.0	2	313	626
	3	5.0	2	275	550
	4	5.0	4	290	1160
	5	5.0	2	300	600
	6	5.0	2	315	630
	7	5.0	27	108	2916
	8	5.0	27	120	3240
	9	5.0	27	25	675
	10	5.0	163	78	12714
	11	5.0	68	24	1632
CA50	12	8.0	2	905	1810
	13	8.0	2	326	652
	14	8.0	1	133	133
	15	8.0	3	1124	3372
	16	8.0	3	206	618
	17	8.0	3	503	1509
	18	8.0	2	608	1216
	19	8.0	6	625	3750
	20	8.0	3	628	1884
	21	8.0	1	150	150
	22	8.0	1	154	154
	23	8.0	2	199	398
	24	8.0	2	185	370
	25	8.0	2	340	680
	26	8.0	1	127	127
	27	8.0	1	130	130
	28	8.0	2	180	360
	29	10.0	1	288	288
	30	10.0	2	609	1218
	31	10.0	1	299	299
	32	10.0	2	623	1246
	33	10.0	2	295	590
	34	10.0	4	625	2500
	35	10.0	1	302	302
	36	10.0	2	637	1274
	37	10.0	2	185	370
	38	10.0	4	355	1420
	39	10.0	1	215	215
	40	10.0	2	345	690
	41	10.0	2	75	150
	42	10.0	28	397	11116
	43	12.5	1	198	198
	44	12.5	6	285	1710
	45	12.5	2	290	580
	46	12.5	2	190	380
	47	12.5	2	1197	2394
	48	12.5	2	1200	2400
	49	12.5	2	960	1920
	50	12.5	2	192	384
	51	12.5	2	237	474
	52	12.5	6	397	2382
	53	12.5	10	447	4470
	54	16.0	30	121	3630

**Resumo do aço**

ÁÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)	%
CA50	8.0	173.2	75.1	75.1
	10.0	216.8	147	147
	12.5	173	183.2	183.2
	16.0	36.3	63	63
CA60	5.0	721.2	122.3	122.3
<b>PESO TOTAL</b>				
CA50		468.4		
CA60		122.3		

Vol. de concreto total (C-25) = 4.51 m³  
Área de forma total = 79.53 m²

<p><b>QUADRO DE ÁREAS:</b></p> <p>Projeto: 1.241,83m² Área do Terreno: 2673,00m²</p>	<p><b>OBRA:</b></p> <p>ESCOLA DE EDUCAÇÃO BÁSICA</p> <p><b>ENDEREÇO:</b></p> <p>RUA Padre Otávio de Lorenzi, S/N, BAIRRO COHAB Bom Jardim da Serra - SC</p>
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<p><b>RESP. TÉCNICO:</b></p> <p>Eng. Civil Jorge E. Batista Muniz CREA-SC 1433778-1</p>	<p><b>PROPRIETÁRIO:</b></p> <p>Prefeitura Municipal de Bom Jardim da Serra CNPJ: 82.844.754/0001-82</p>
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<p><b>DESCRIÇÃO:</b></p> <p>PROJETO ESTRUTURAL</p> <p>TÉRREO VIGAS COBERTURA PILARES</p>	<p><b>PRANCHA:</b></p> <p>18/27</p>
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<p><b>ESCALA:</b></p> <p>INDICADA</p>	<p><b>ÁREA TOTAL:</b></p> <p>1.241,83m²</p>	<p><b>DATA:</b></p> <p>Novembro/2021</p>	<p><b>FORMATO PRANCHA:</b></p> <p>A1(841X594mm)</p>	<p><b>REVISÃO:</b></p> <p>JEBM-17/11/21</p>
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