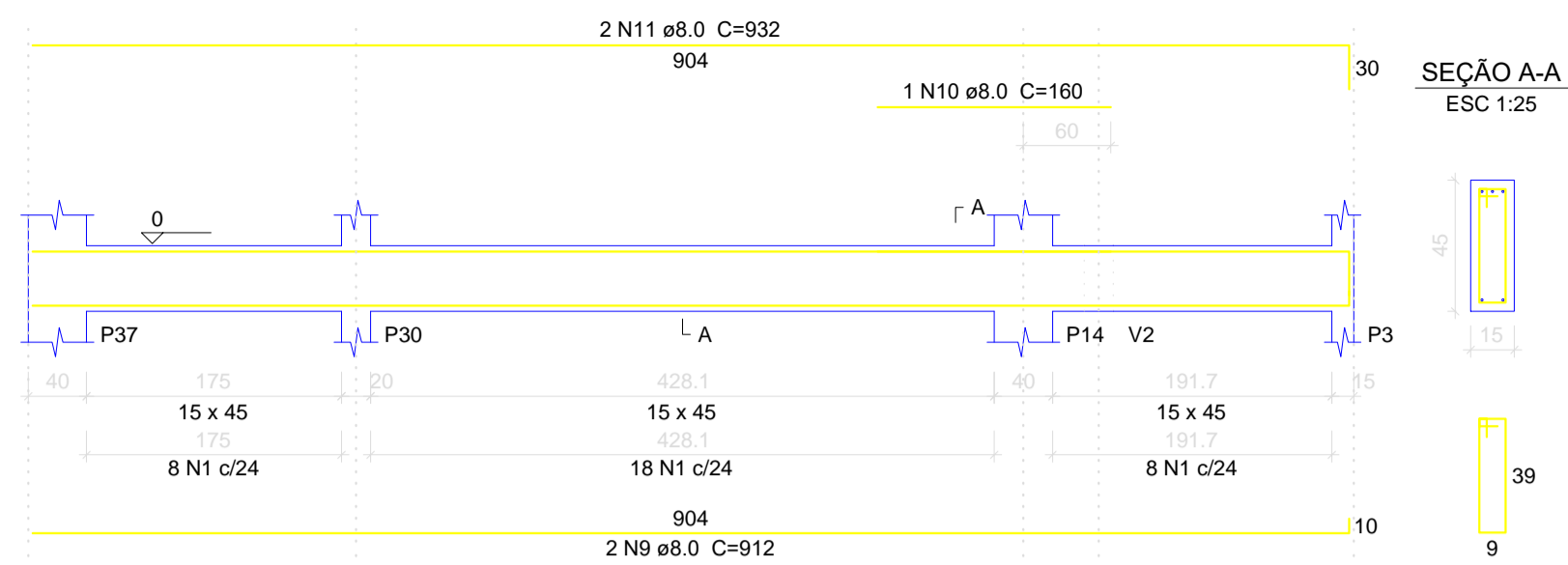
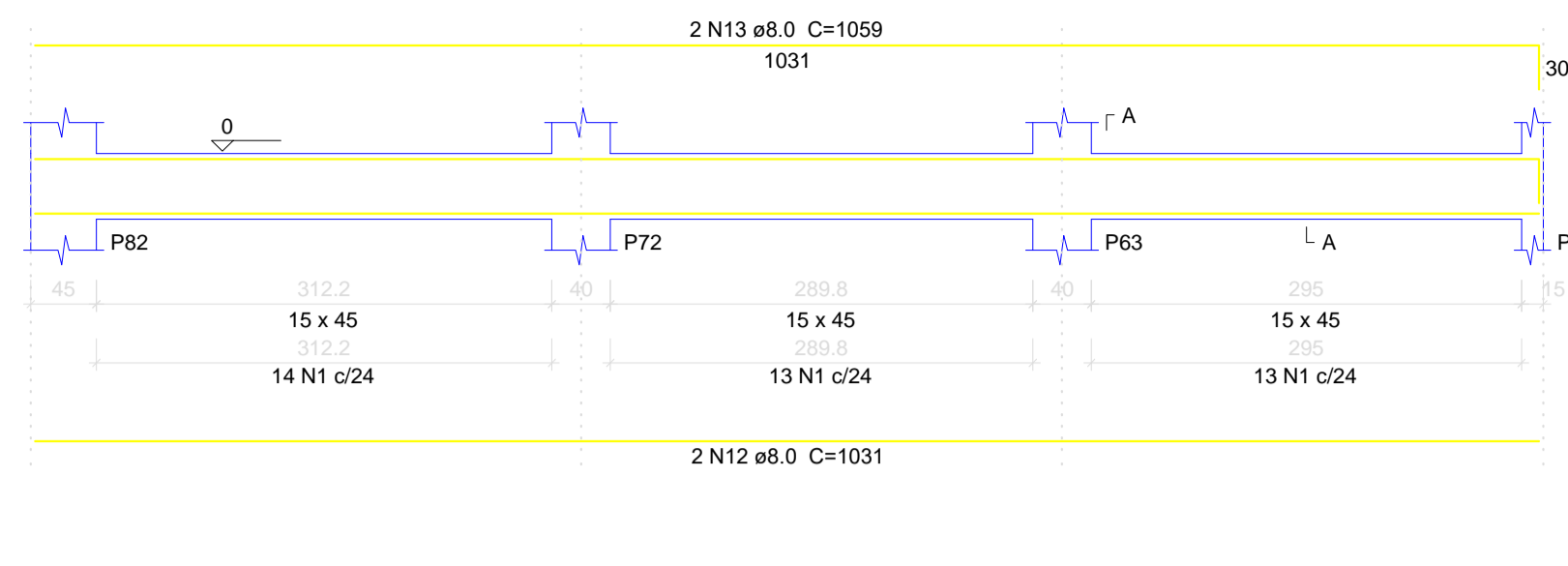


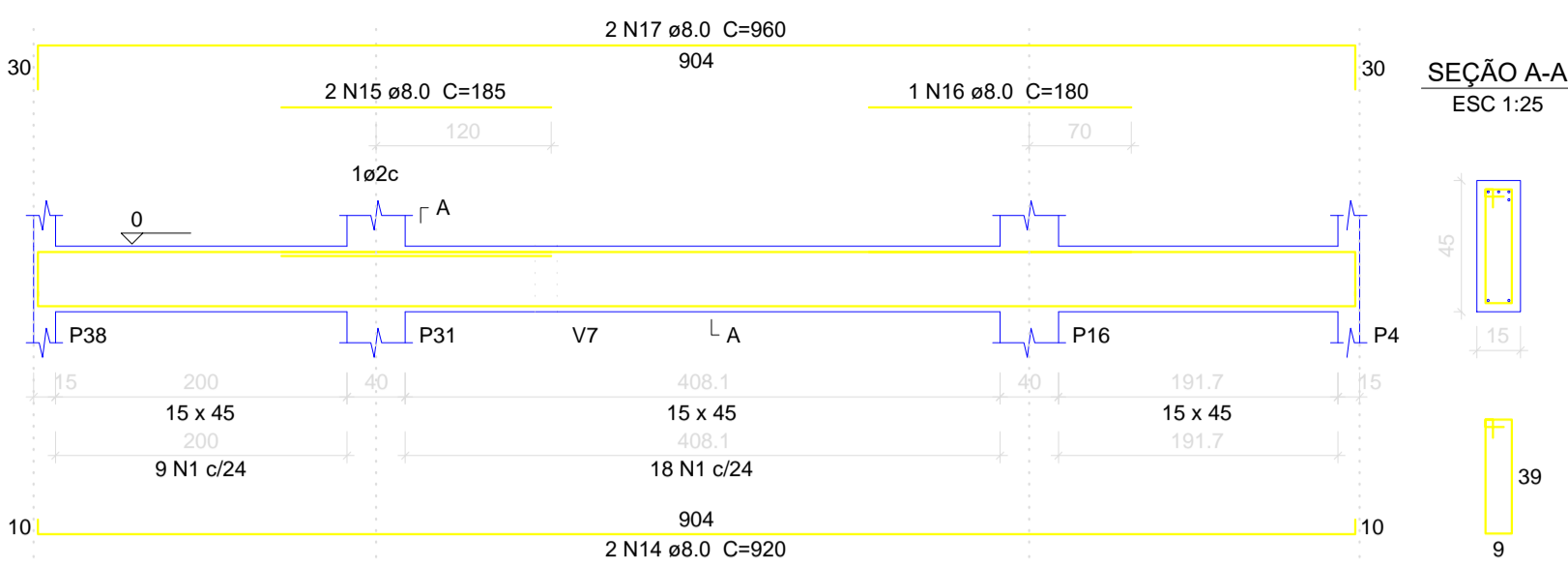
**V48**  
ESC 1:50



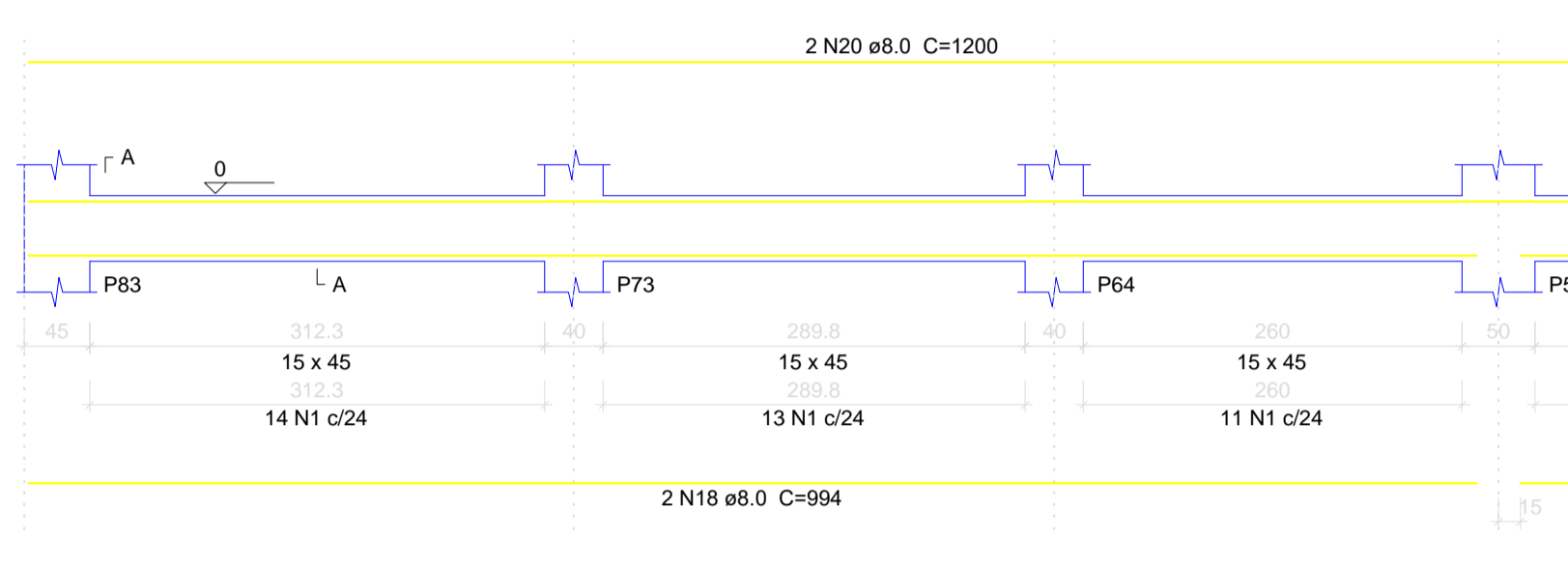
**V49**  
ESC 1:50



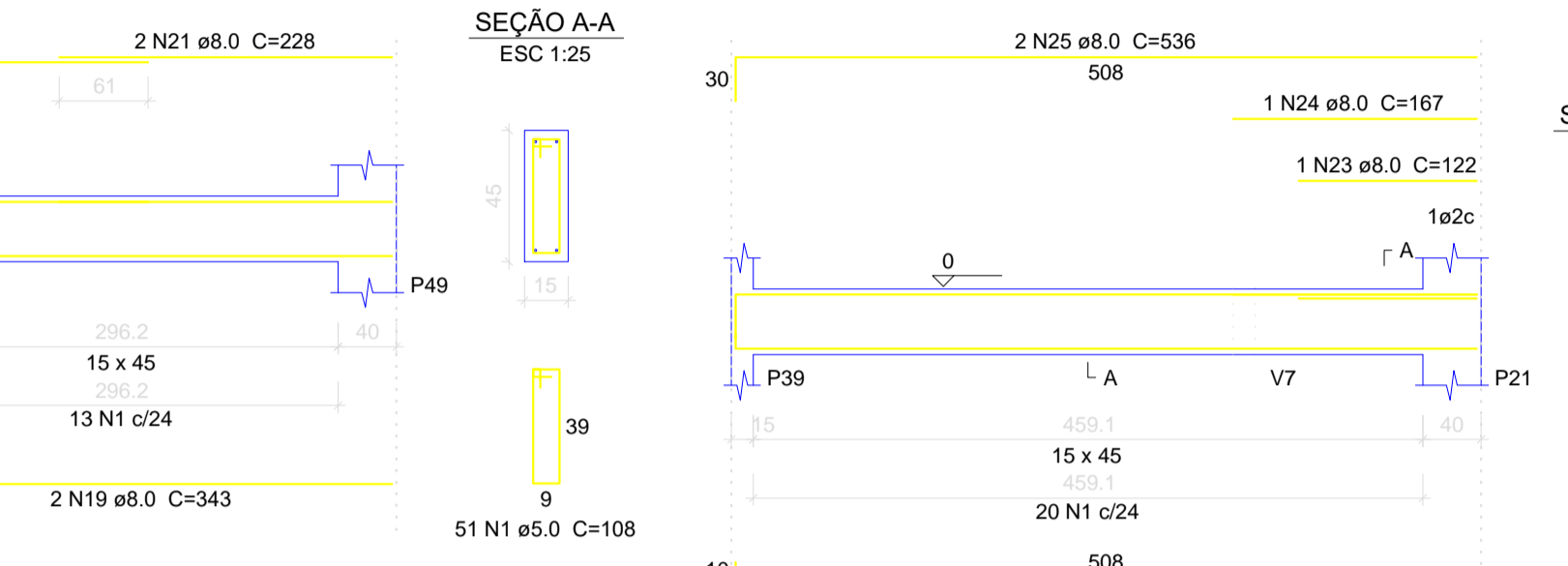
**V50**  
ESC 1:50



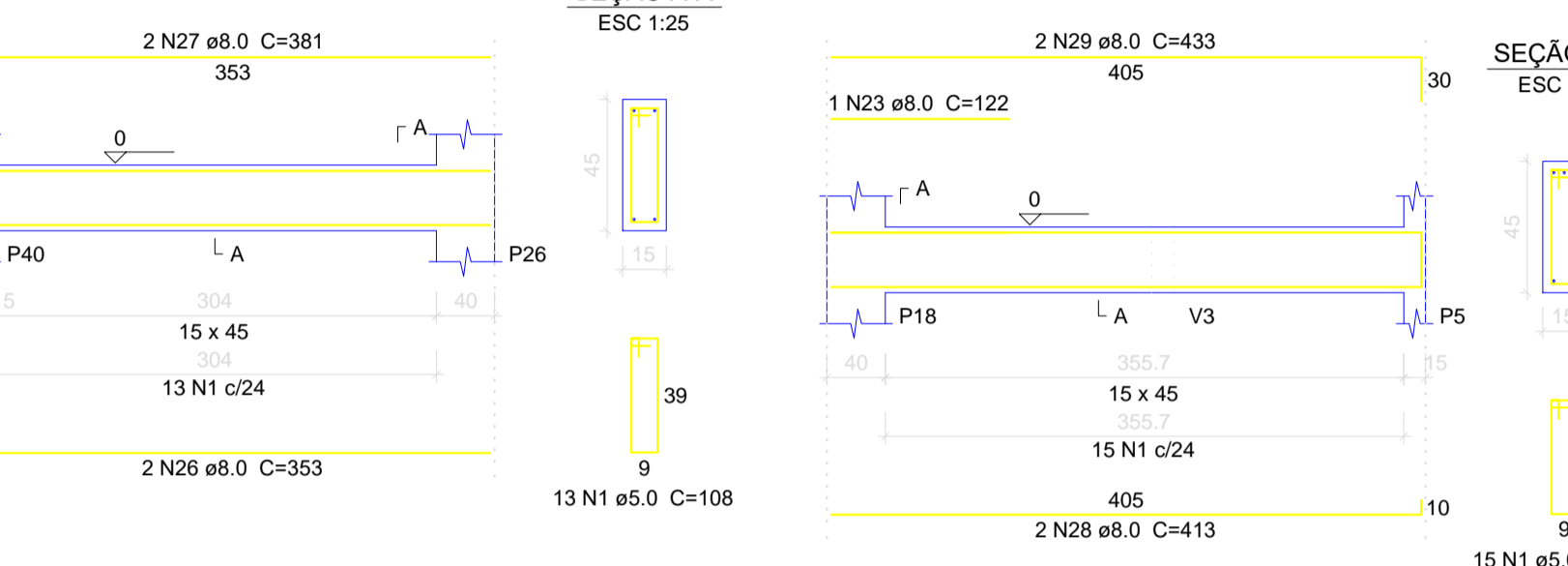
**V51**  
ESC 1:50



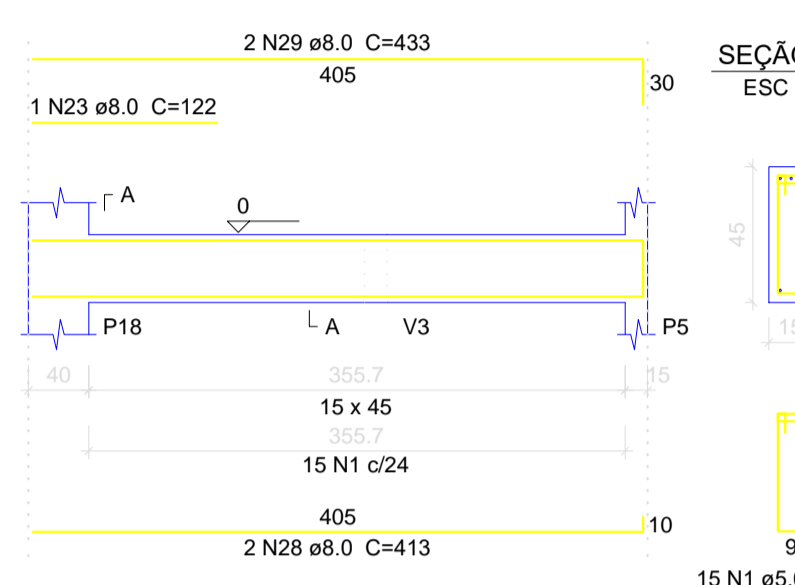
**V52**  
ESC 1:50



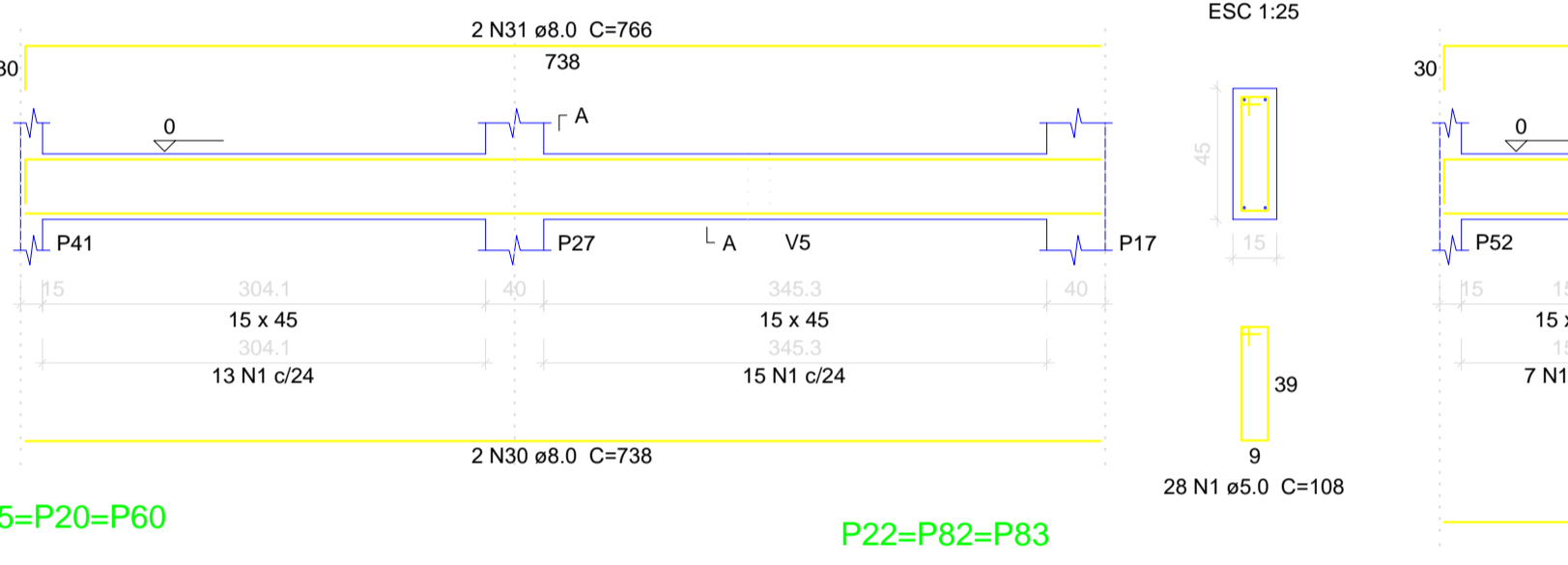
**V53**  
ESC 1:50



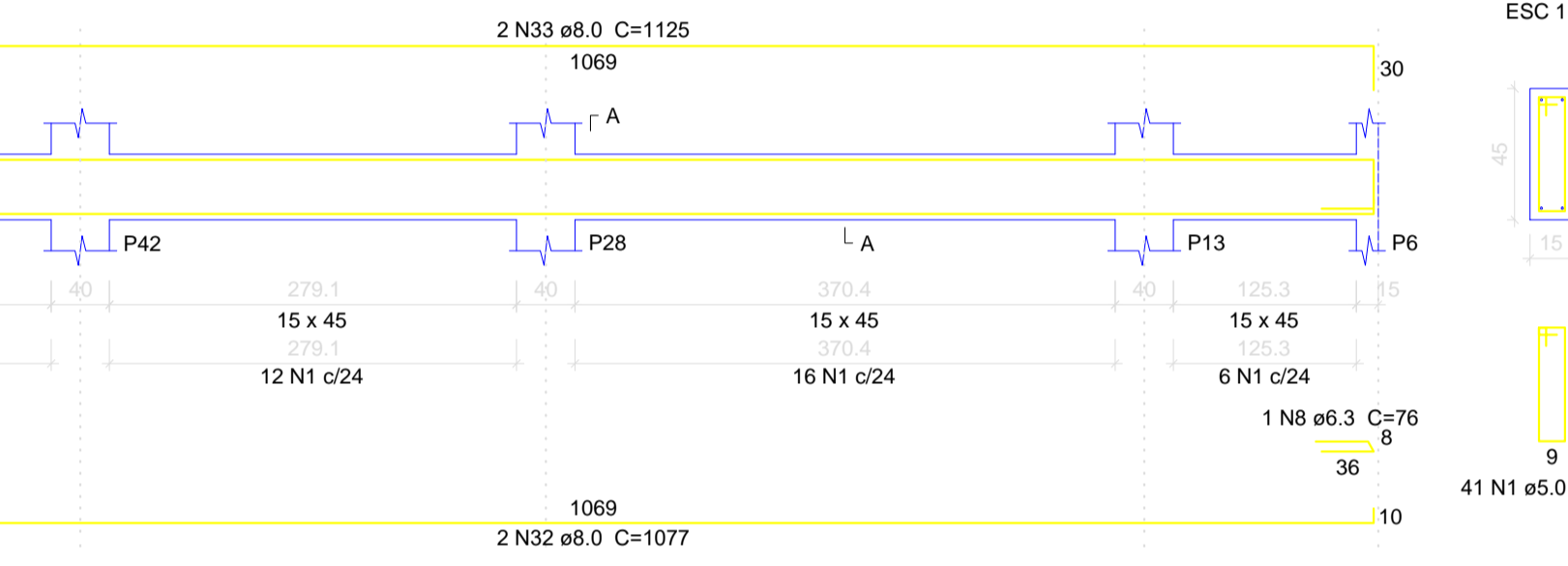
**V54**  
ESC 1:50



**V55**  
ESC 1:50



**V56**  
ESC 1:50



**Relação do aço**

baldrame:	V48 V50 V52 V54 V56	V49 V51 V53 V55
cobertura:	8xP1 3xP22 P38 2xP43	3xP5 15xP25 2xP39

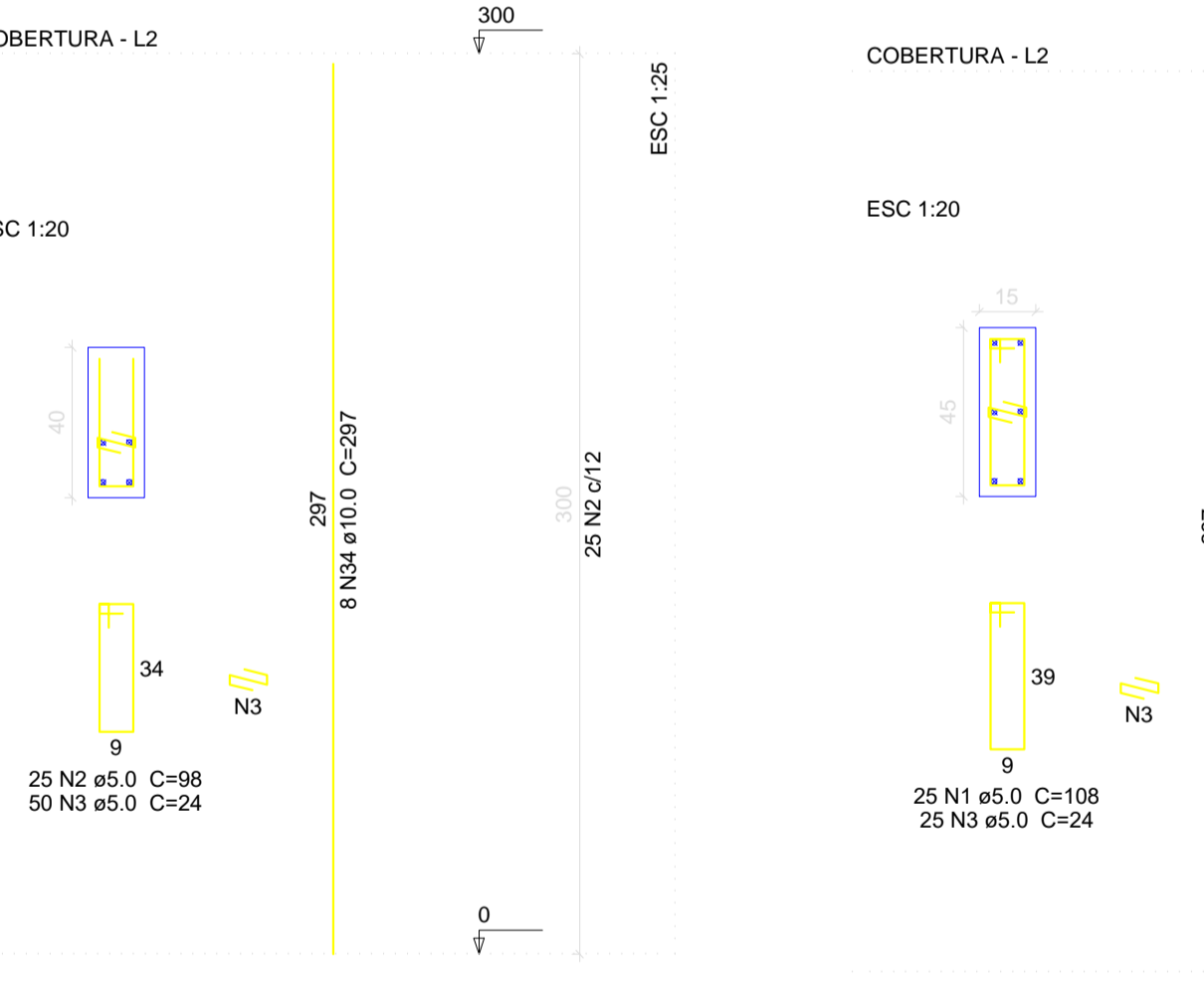
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)	
CA60	1	5.0	352	108	38016	
	2	5.0	2165	98	212170	
	3	5.0	2300	24	55200	
	4	5.0	375	108	40500	
	5	5.0	375	29	10875	
	6	5.0	25	148	3700	
	7	5.0	40	24		
	CA50	8	6.3	1	76	
		9	8.0	2	912	1824
		10	8.0	1	160	
		11	8.0	2	932	1864
		12	8.0	2	1031	2062
		13	8.0	2	1059	2118
14		8.0	2	920	1840	
15		8.0	2	185		
16		8.0	1	180		
17		8.0	2	960	1920	
18	8.0	2	994	1988		
19	8.0	2	343			
20	8.0	2	1200	2400		
21	8.0	2	228			
22	8.0	2	516	1032		
23	8.0	2	122			
24	8.0	1	167			
25	8.0	2	536	1072		
26	8.0	2	353			
27	8.0	2	381			
28	8.0	2	413			
29	8.0	2	433			
30	8.0	2	738	1476		
31	8.0	2	766	1532		
32	8.0	2	1077	2154		
33	8.0	2	1125	2250		
34	10.0	642	297	190674		
35	12.5	12	297	3564		

**Resumo do aço**

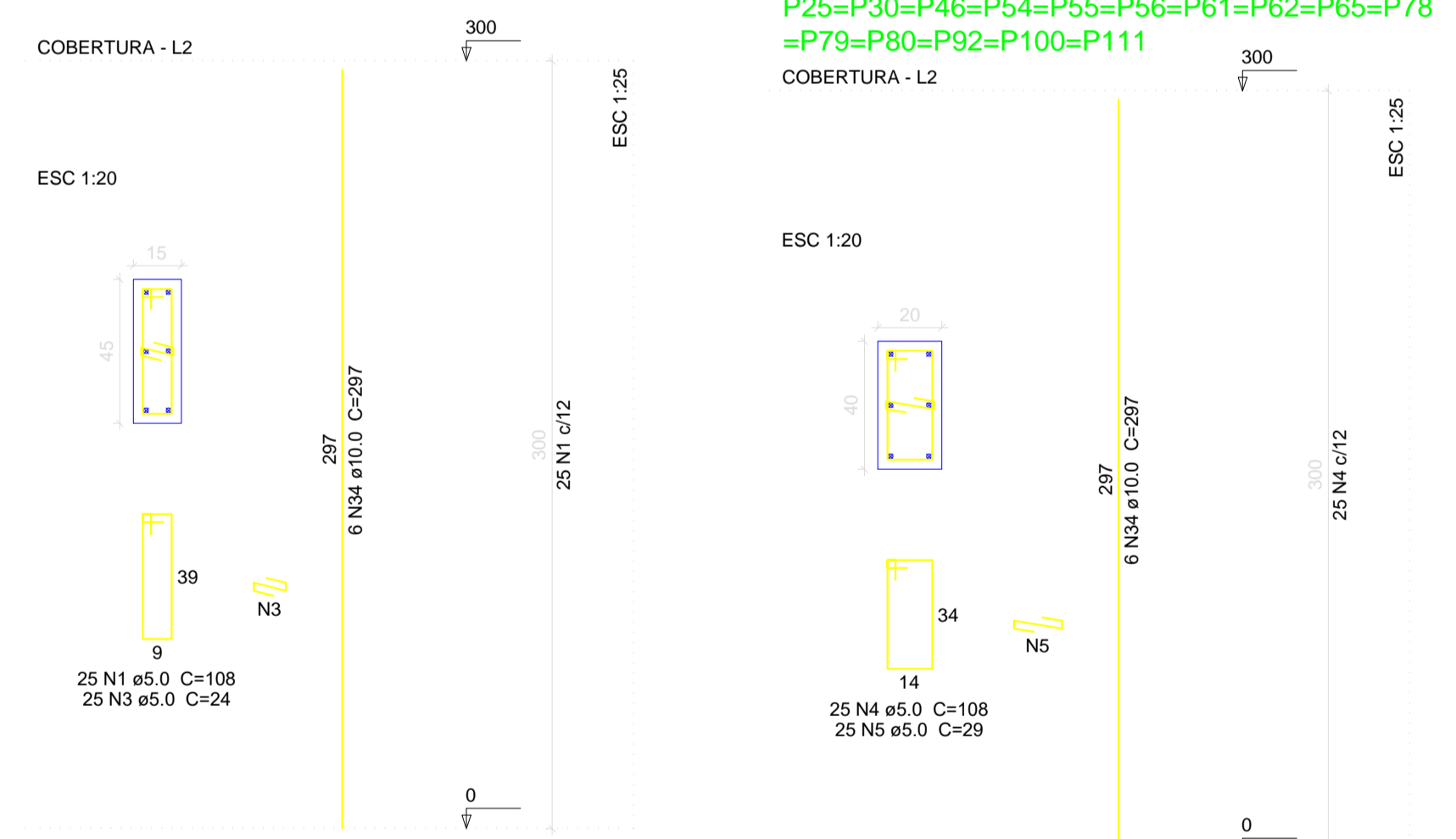
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	0.8	0.2
	8.0	309.6	134.4
	10.0	1906.8	1293.1
CA60	12.5	35.7	37.8
	5.0	3614.3	612.8
<b>PESO TOTAL (kg)</b>			
CA50		1465.5	
CA60		612.8	

Volume de concreto (C-25) = 25.11 m³  
Área de forma = 433.69 m²

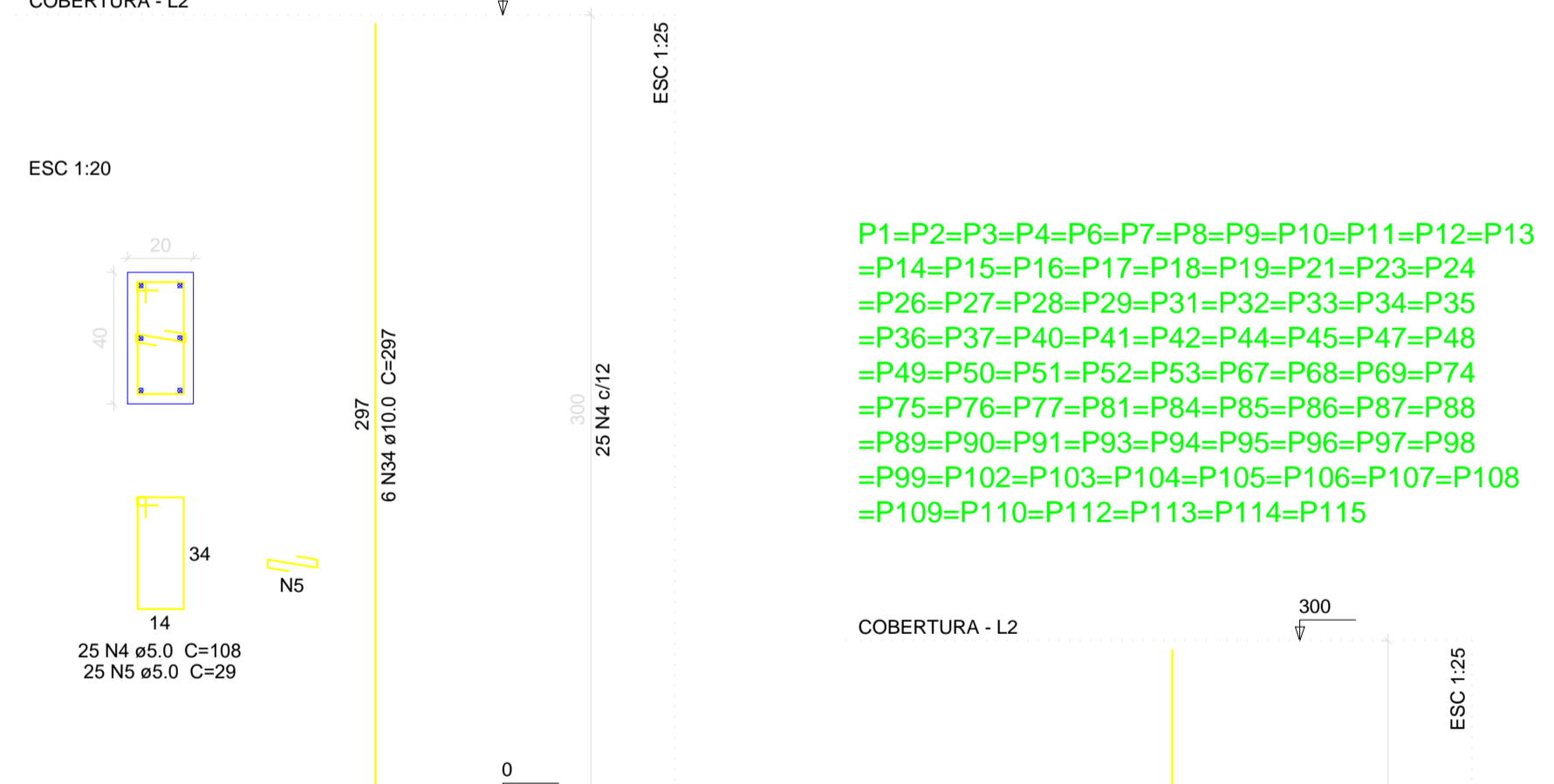
**P5=P20=P60**



**P22=P82=P83**

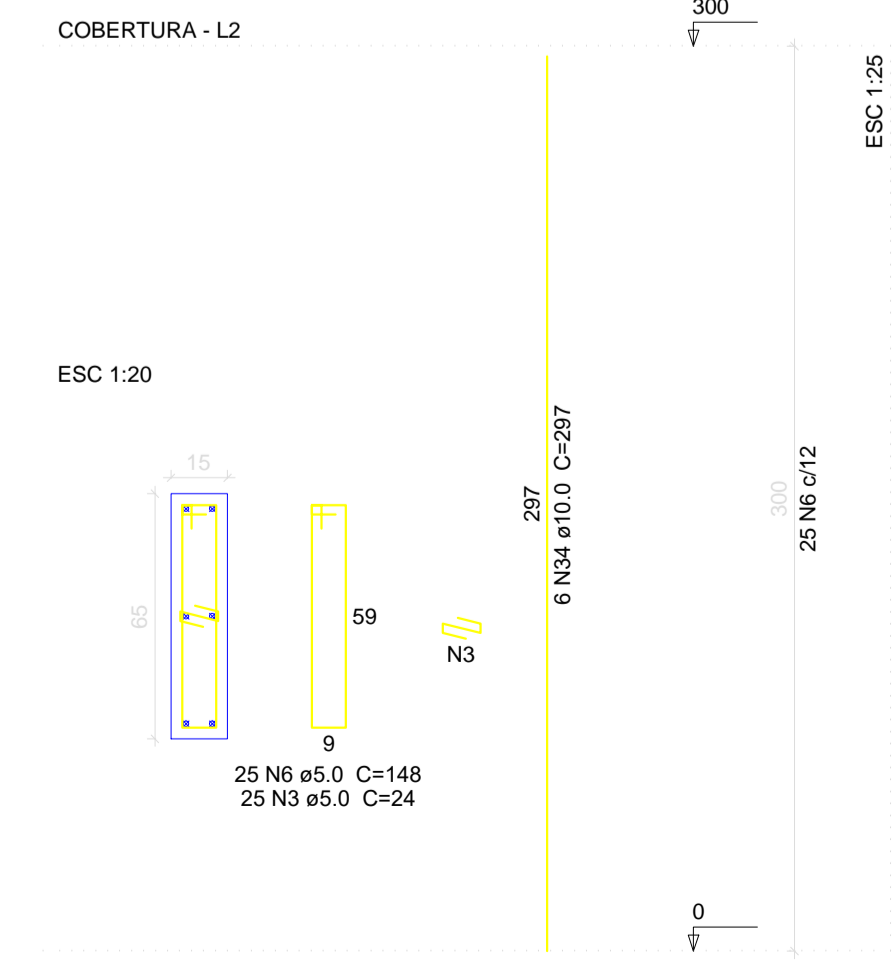


**P25=P30=P46=P54=P55=P56=P61=P62=P65=P78  
=P79=P80=P92=P100=P111**

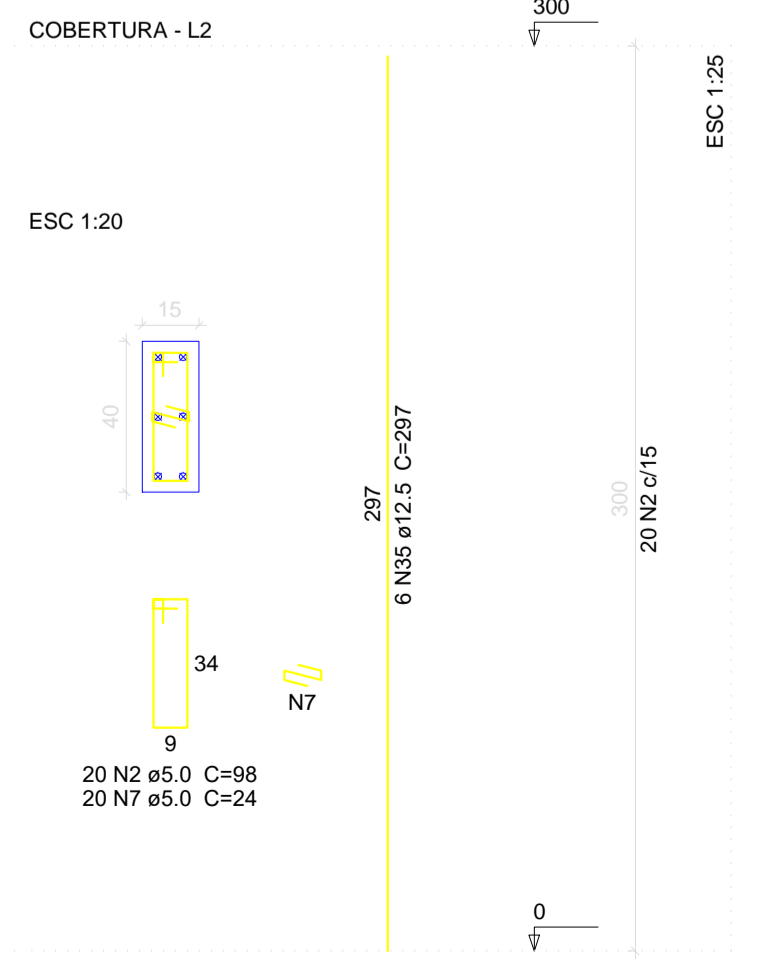


**P1=P2=P3=P4=P6=P7=P8=P9=P10=P11=P12=P13  
=P14=P15=P16=P17=P18=P19=P21=P23=P24  
=P26=P27=P28=P29=P31=P32=P33=P34=P35  
=P36=P37=P40=P41=P42=P44=P45=P47=P48  
=P49=P50=P51=P52=P53=P67=P68=P69=P74  
=P75=P76=P77=P81=P84=P85=P86=P87=P88  
=P89=P90=P91=P93=P94=P95=P96=P97=P98  
=P99=P102=P103=P104=P105=P106=P107=P108  
=P109=P110=P112=P113=P114=P115**

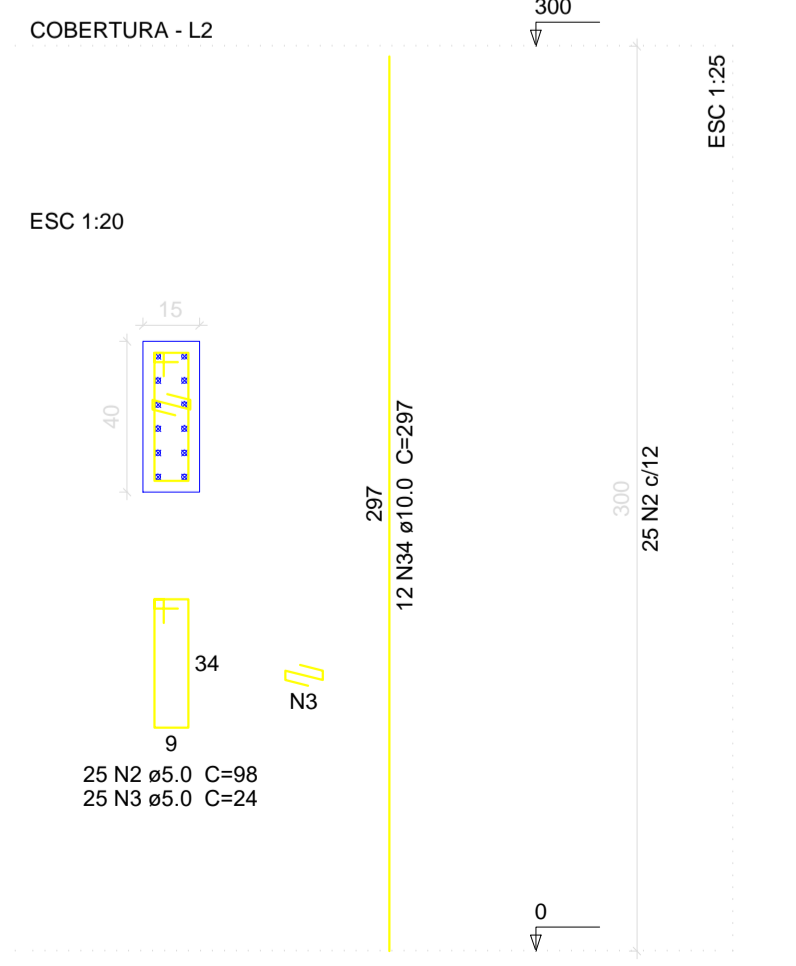
**P38**



**P39=P66**



**P43=P73**



**PROJETO DE ENGENHARIA** PRANCHA 07/14

**OBJETO:** Projeto Estrutural Hospital Municipal

**END:** Rua 16 nº 1.063 - Bairro Nacib Jabur Maluf - Itapagipe/MG

**PROP:** Município de Itapagipe-MG

**CPF/CNPJ:** 21.226.840/0001-47

Quadro de assinaturas:	
Proprietário CPF/CNPJ	Benice Nery Maia Prefeita Municipal
Resp Técnico CPF/CNPJ	Secretaria Municipal de Obras Rodolfo Costa Agreli CREA/SP:5070412303-LP

**Aprovação:**

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