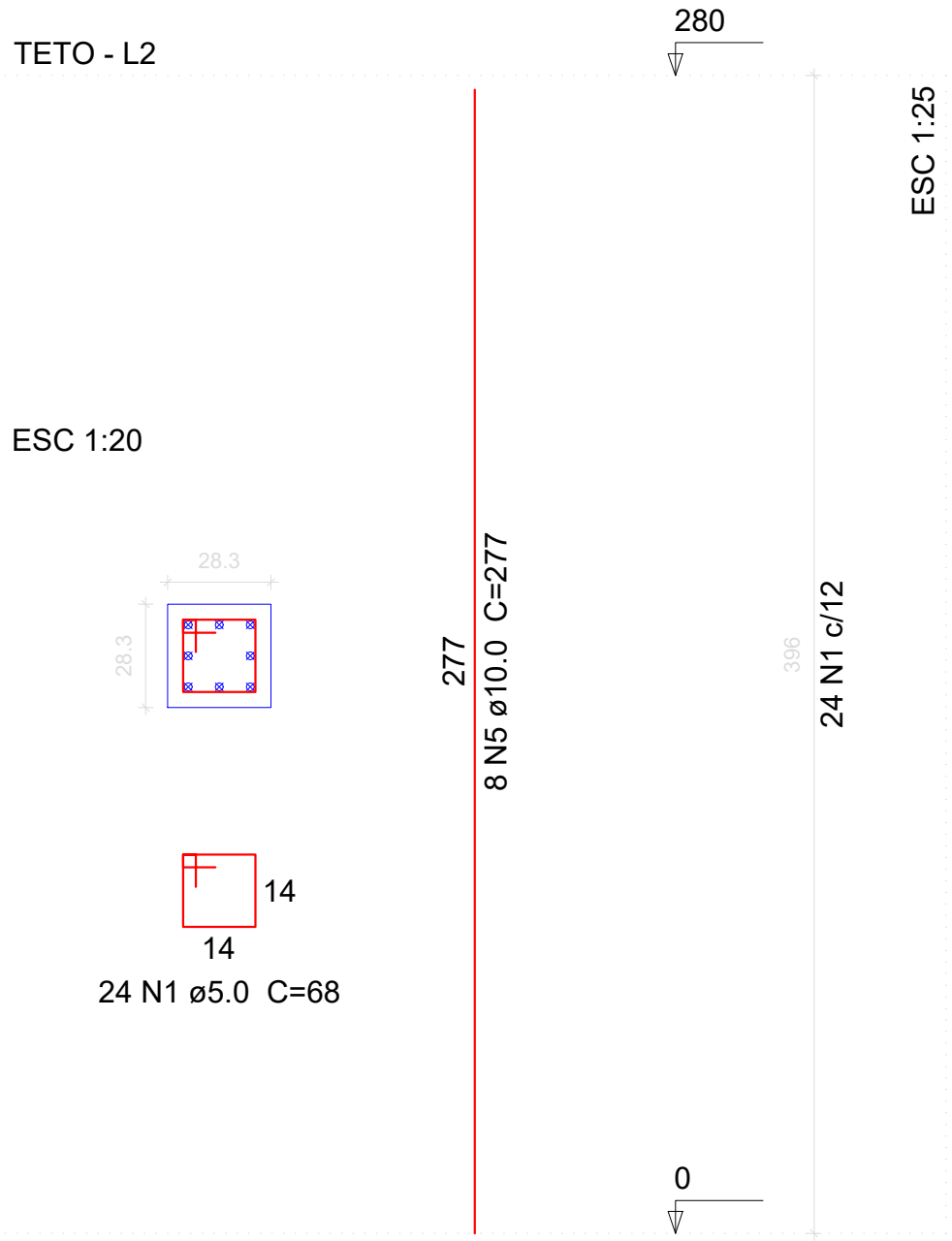
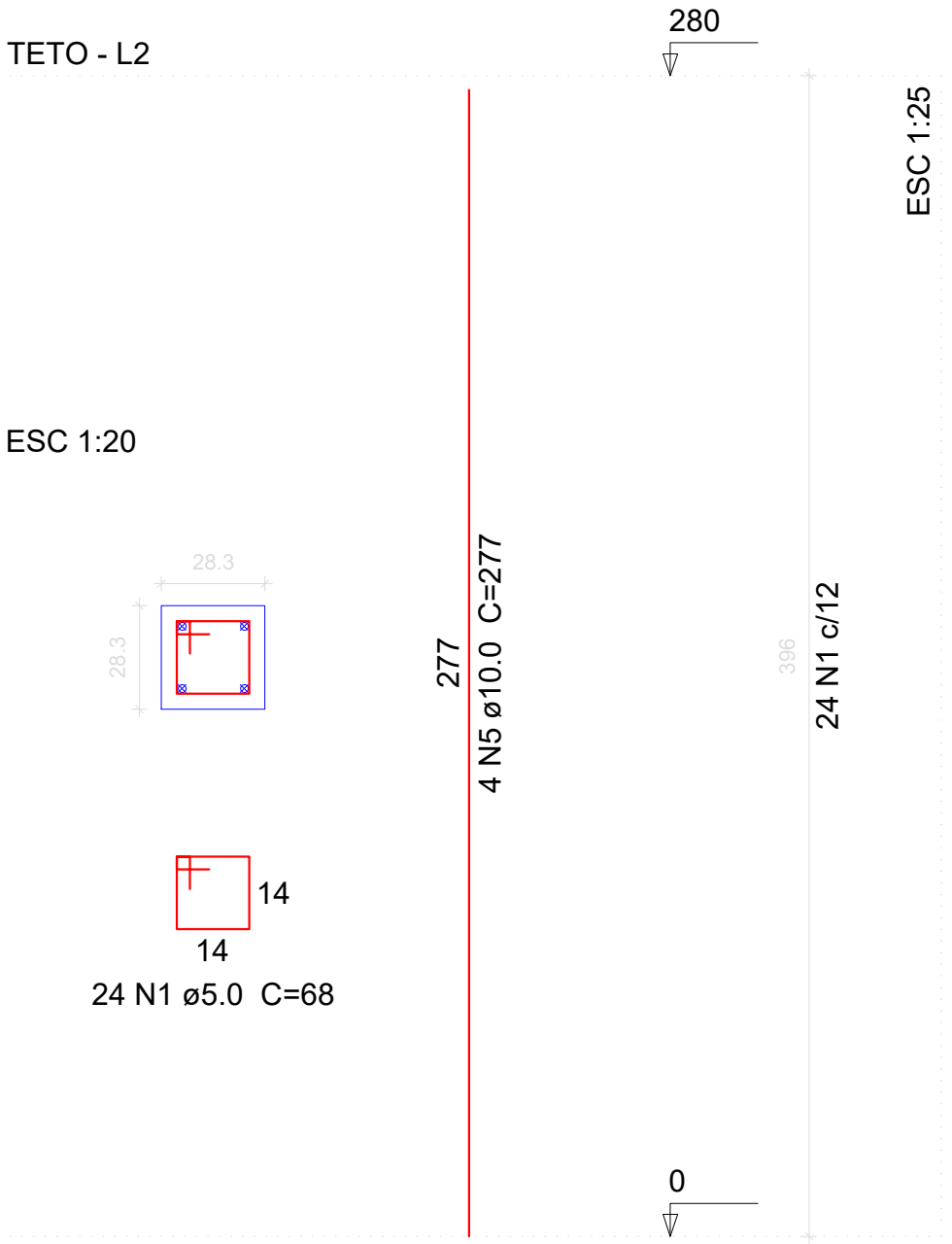


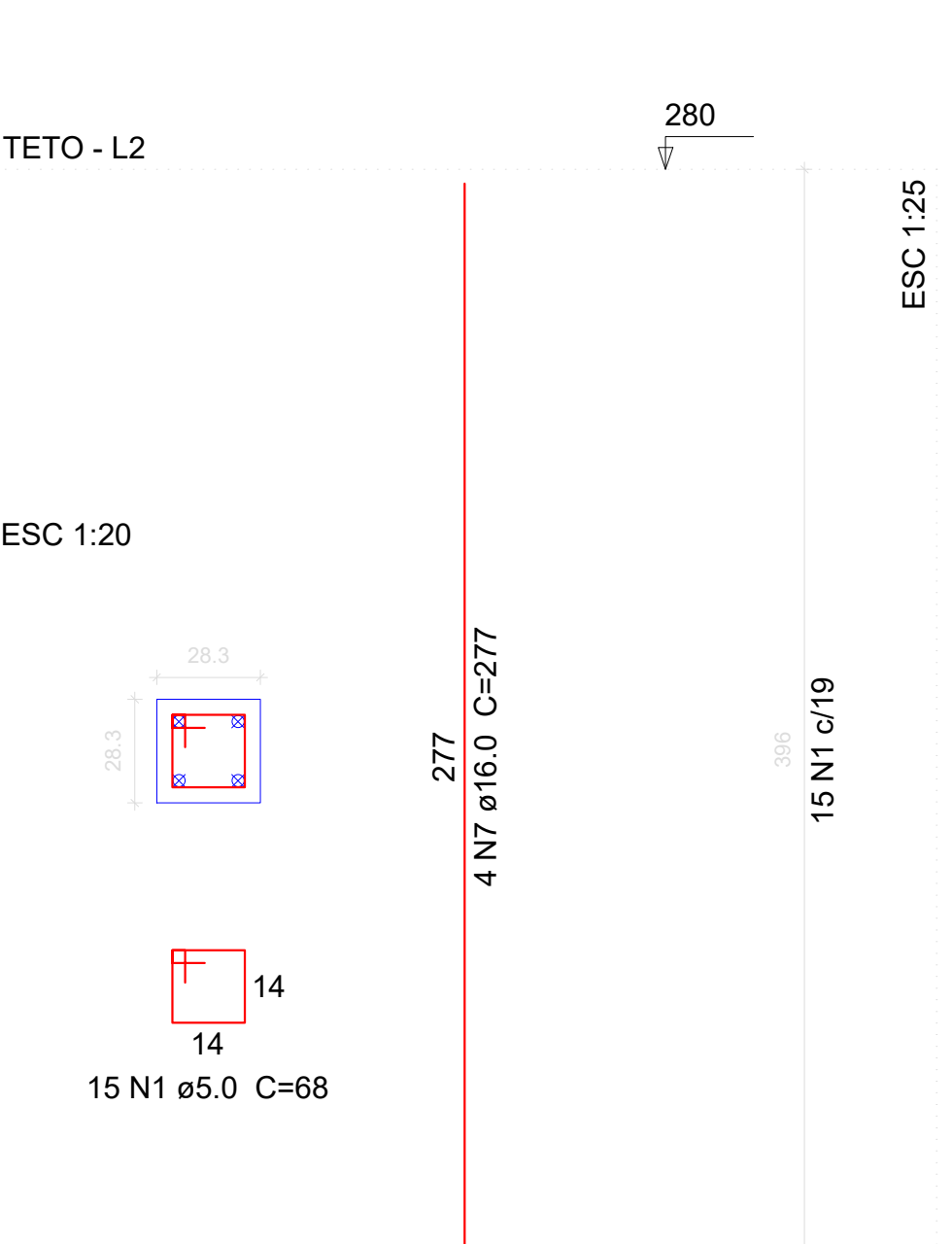
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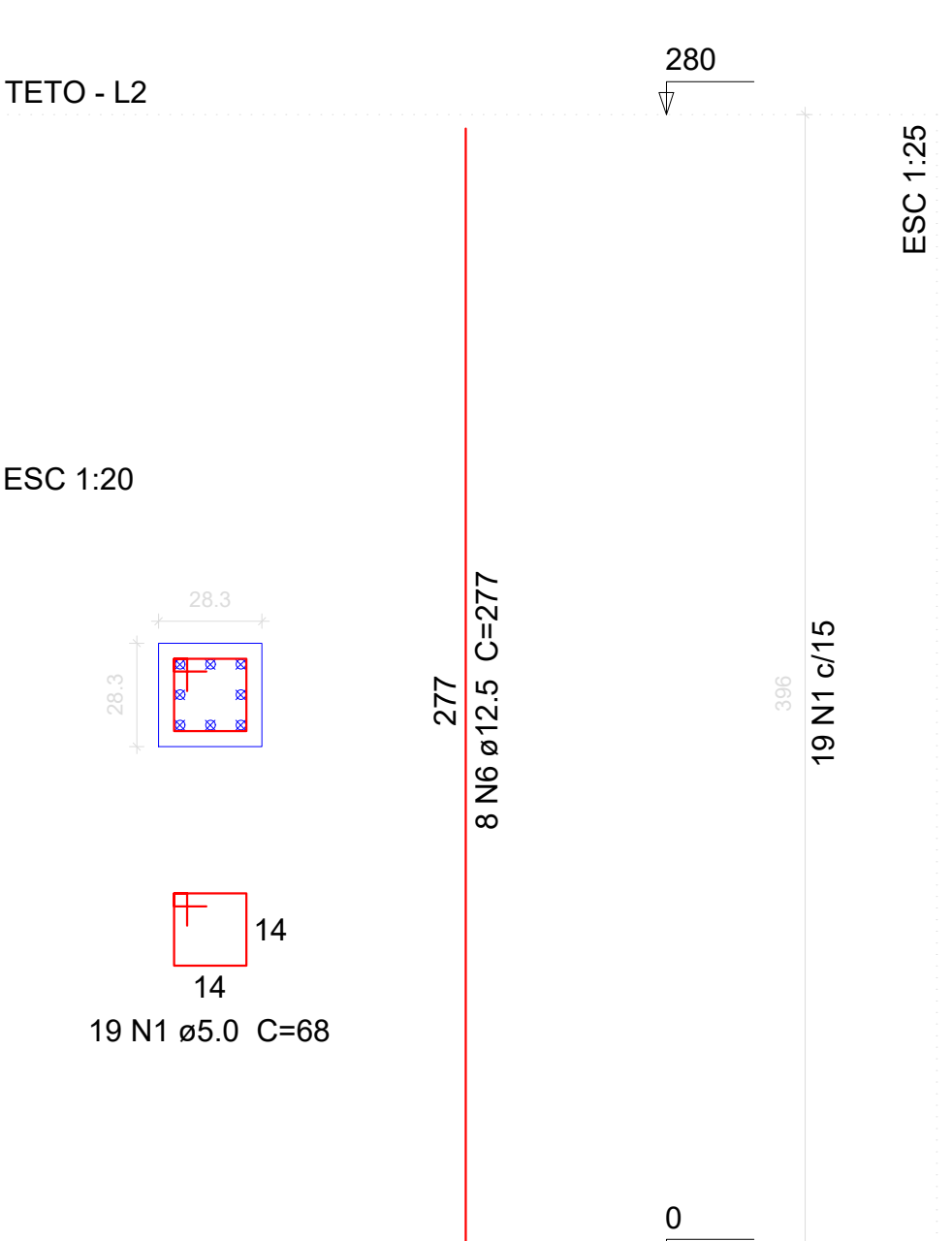
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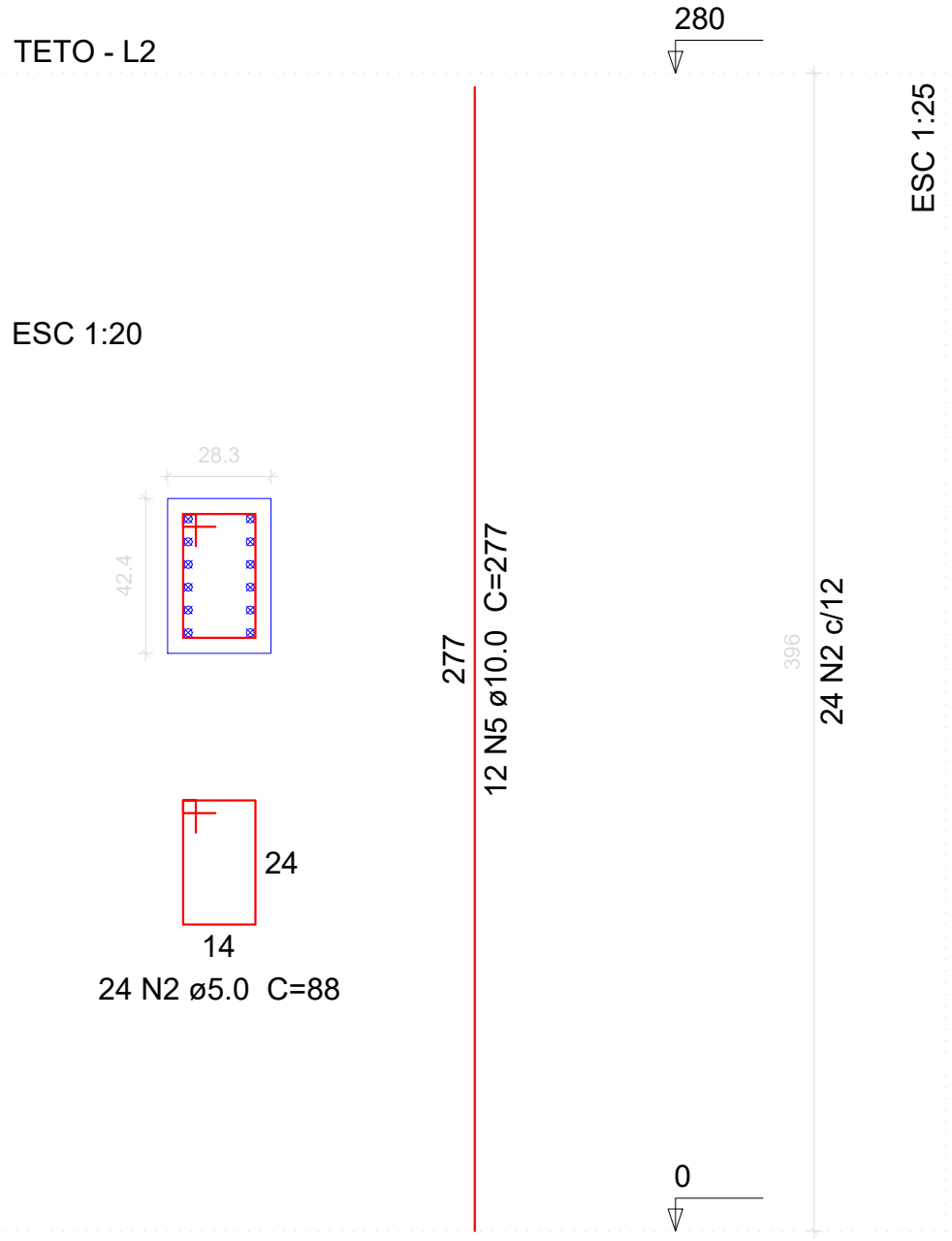
P3



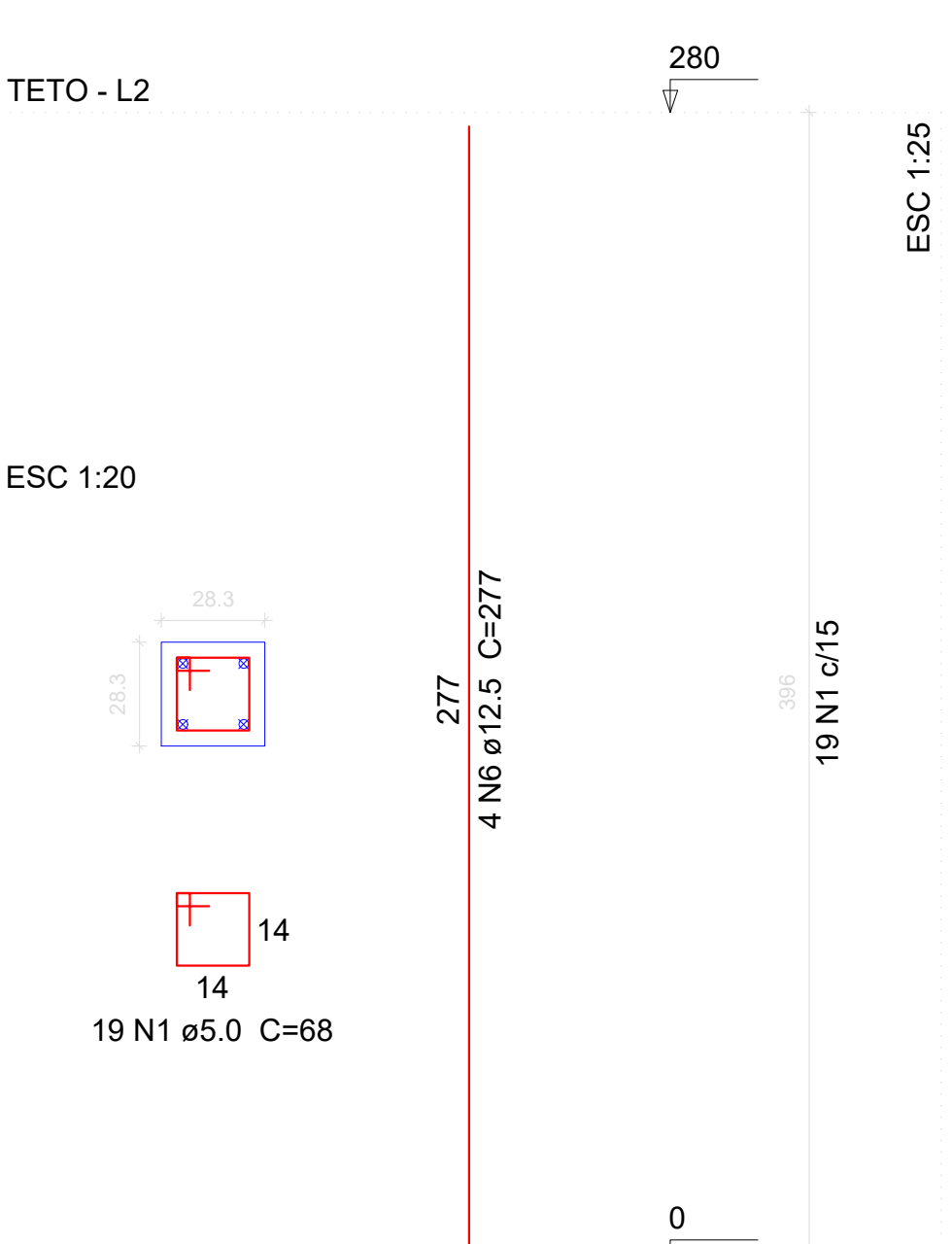
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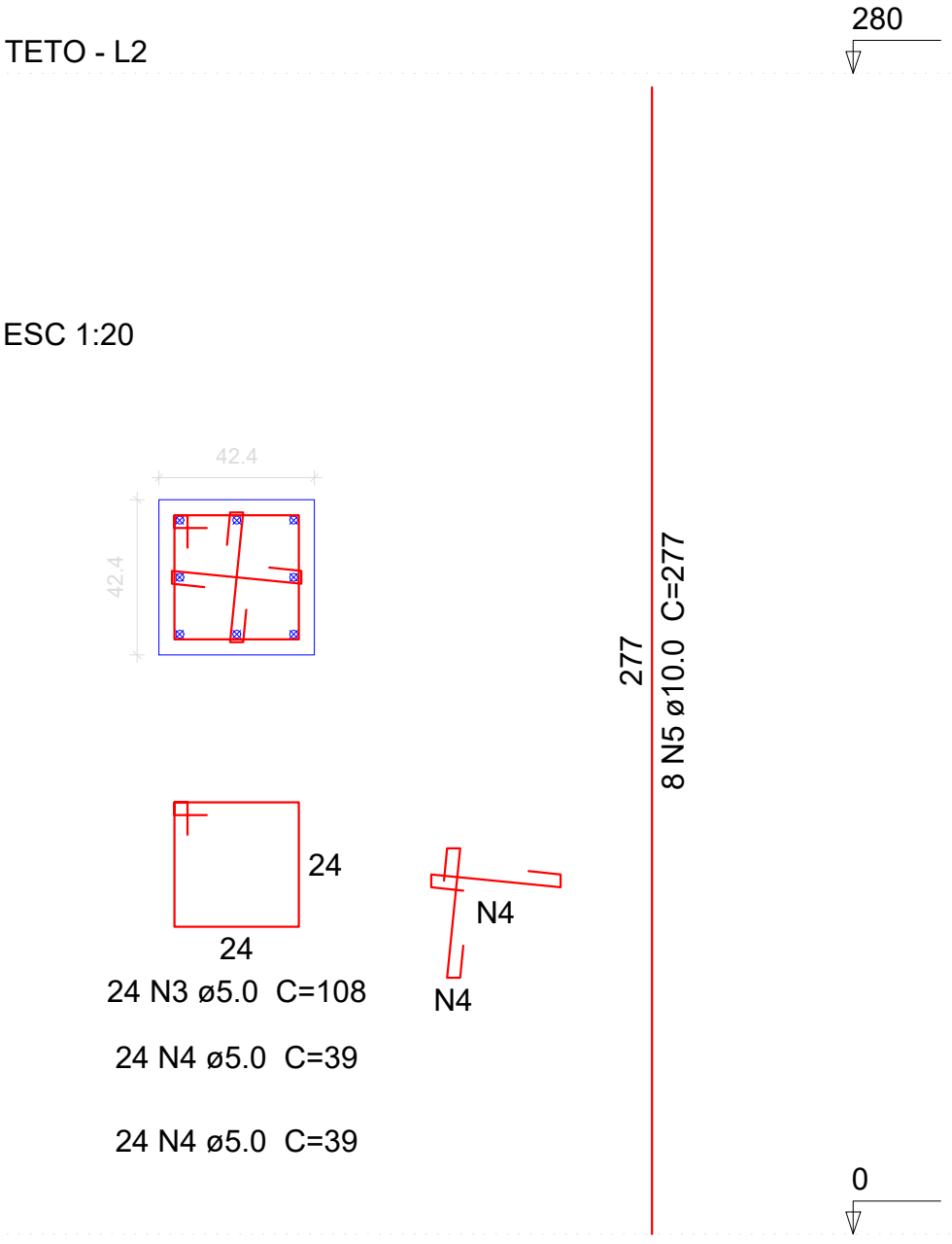
P6



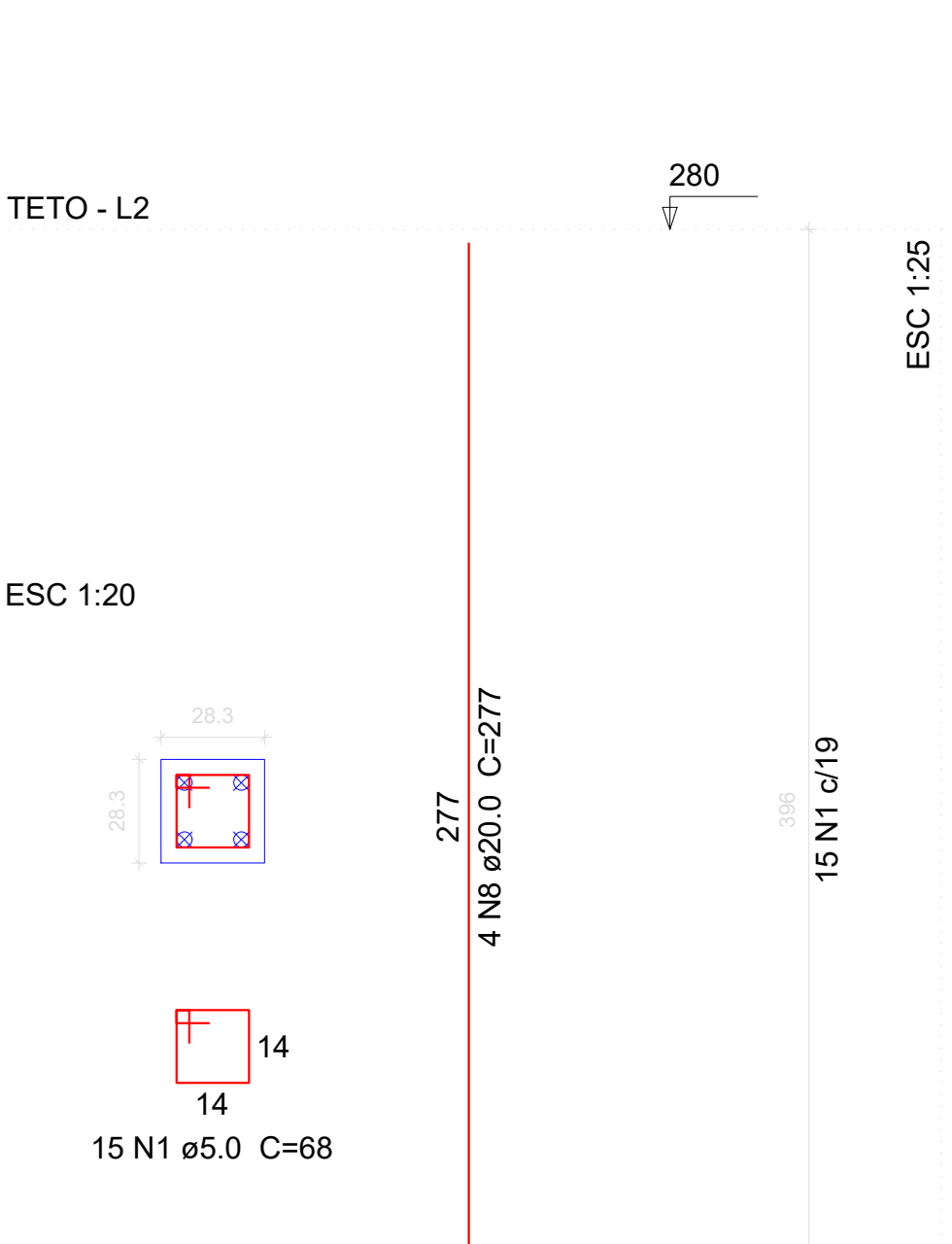
P7



P10



P12



Relação do aço

AÇO	N	DIAM	Q	P3	
				UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	207	68	14076
	2	5.0	24	88	2112
	3	5.0	24	108	2592
	4	5.0	48	39	1872
CA50	5	10.0	44	277	12188
	6	12.5	20	277	5540
	7	16.0	4	277	1108
	8	20.0	4	277	1108

Resumo do aço

AÇO	DIAM	PESO + 10 %	
		C.TOTAL (m)	PESO (kg)
CA50	10.0	121.9	82.7
	12.5	55.4	58.7
	16.0	11.1	19.2
	20.0	11.1	30.1
CA60	5.0	206.6	35
PESO TOTAL			
CA50	190.7		
CA60	35		

Vol. de concreto total (C-25) = 1.54 m³
Área de forma total = 28.56 m²