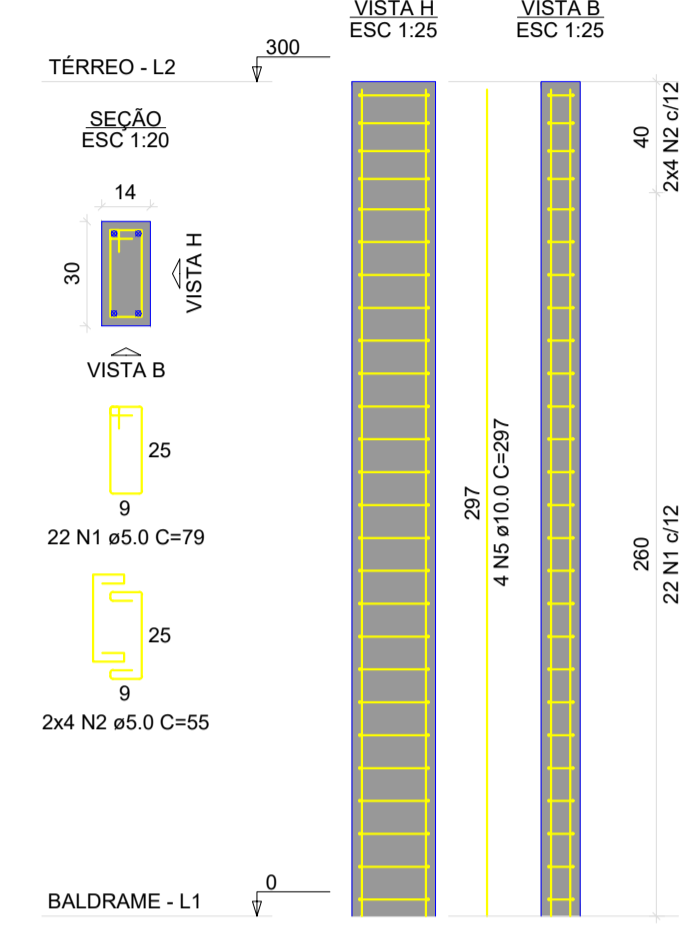
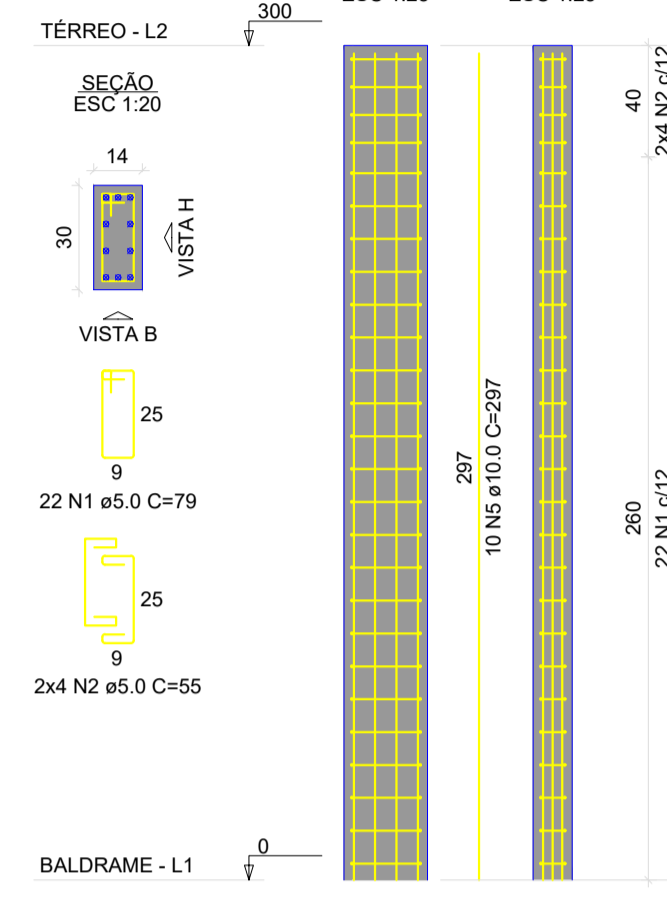


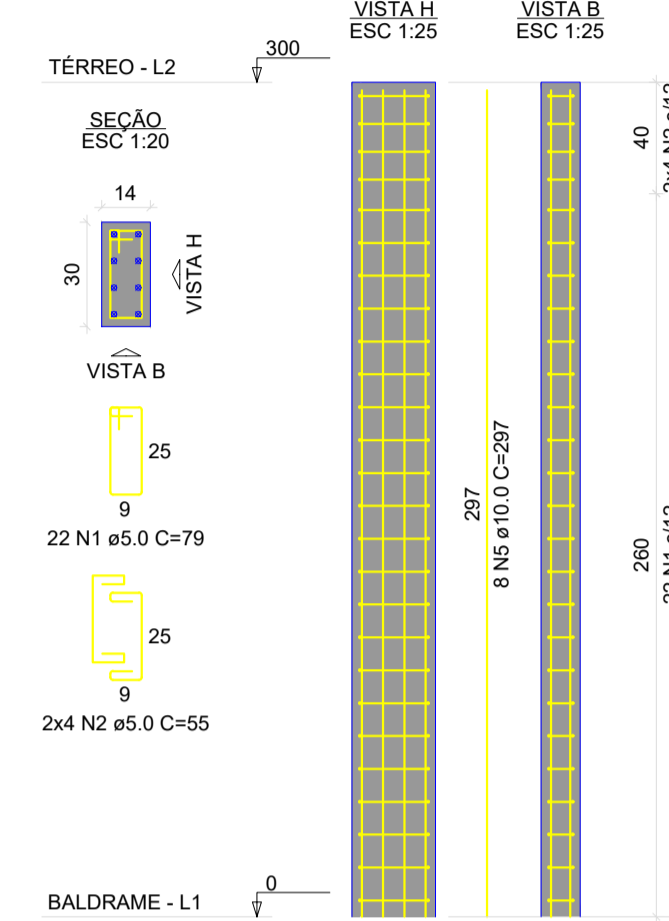
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=P11



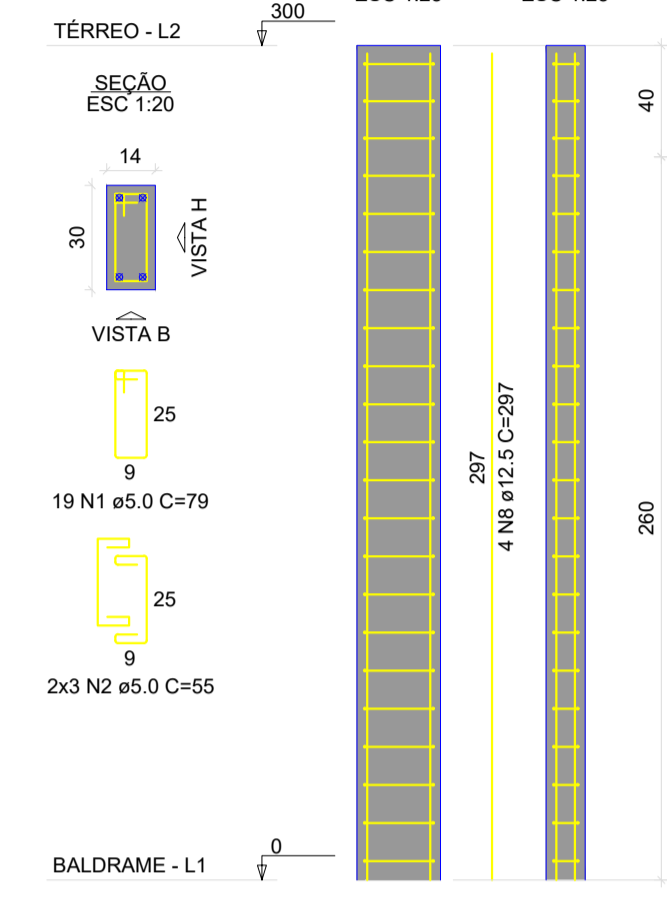
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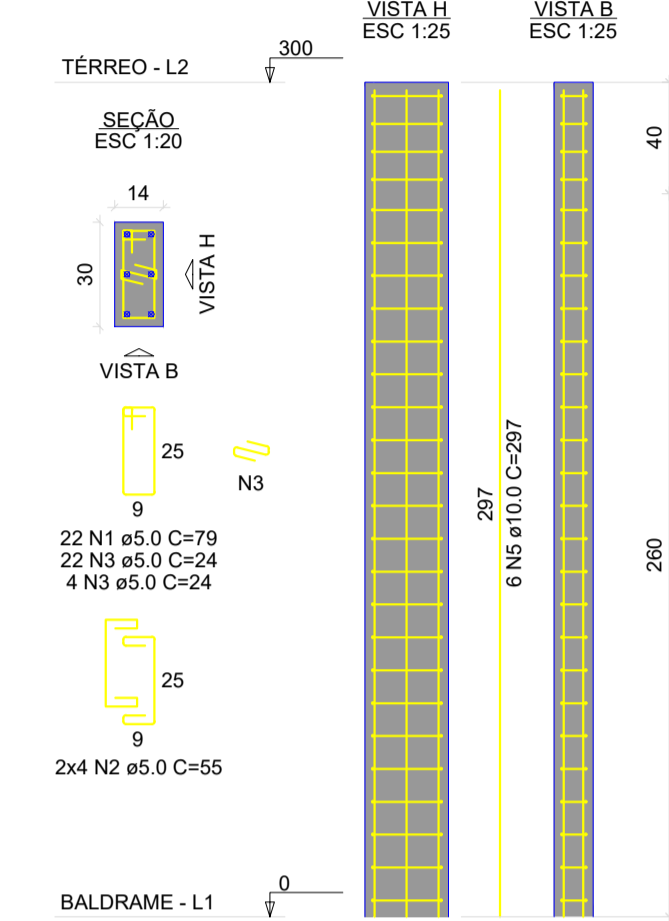
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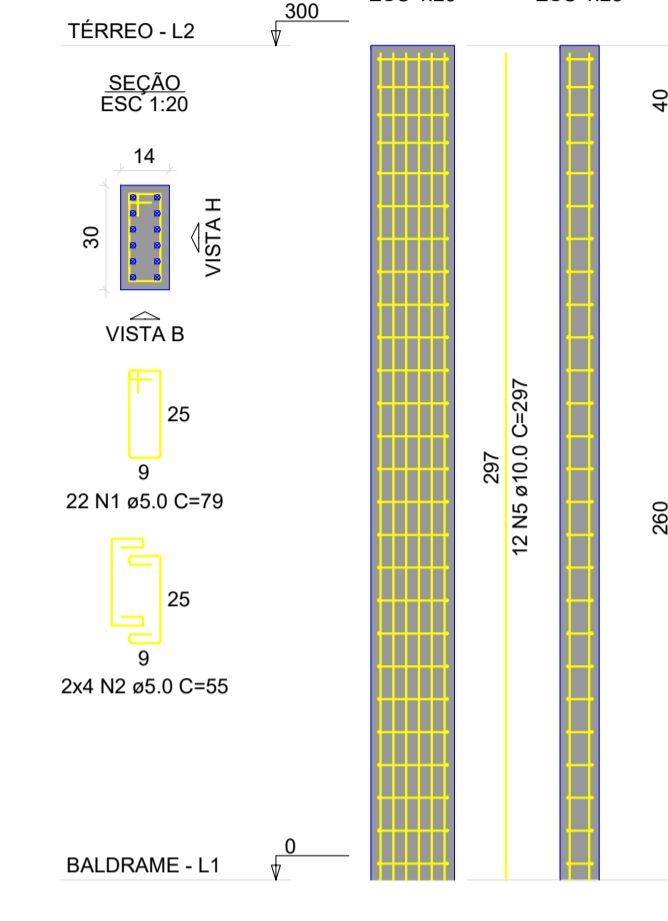
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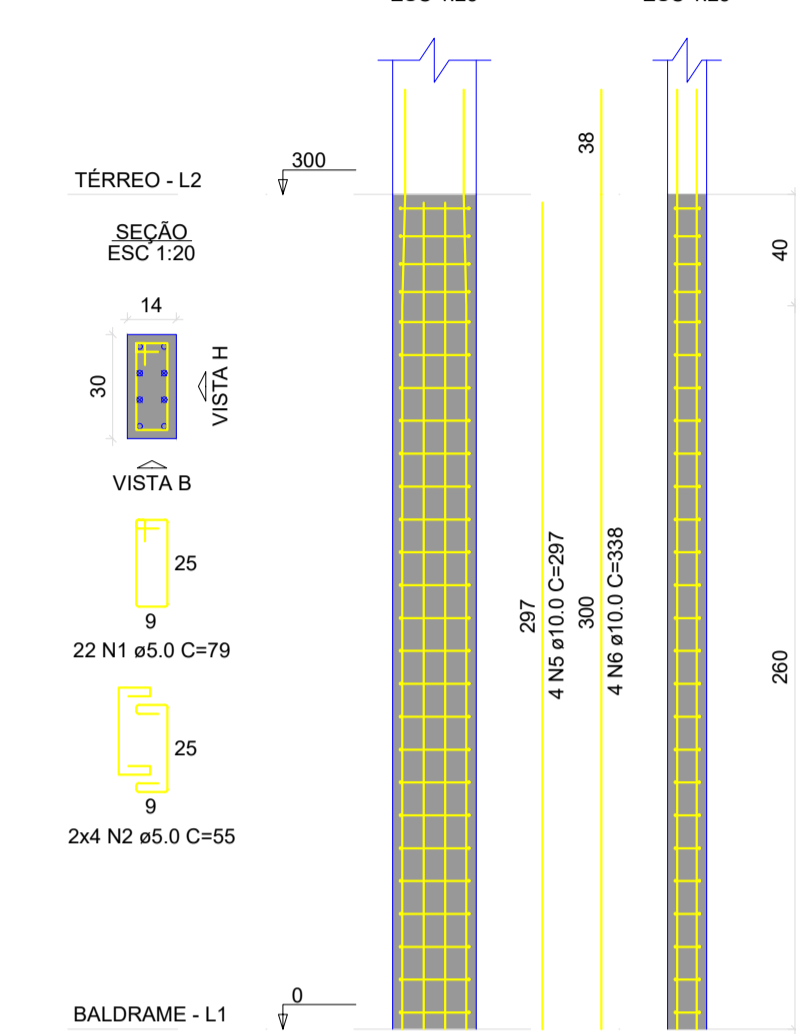
P12=P14=P17=P18



P13



P19



RELAÇÃO DO AÇO

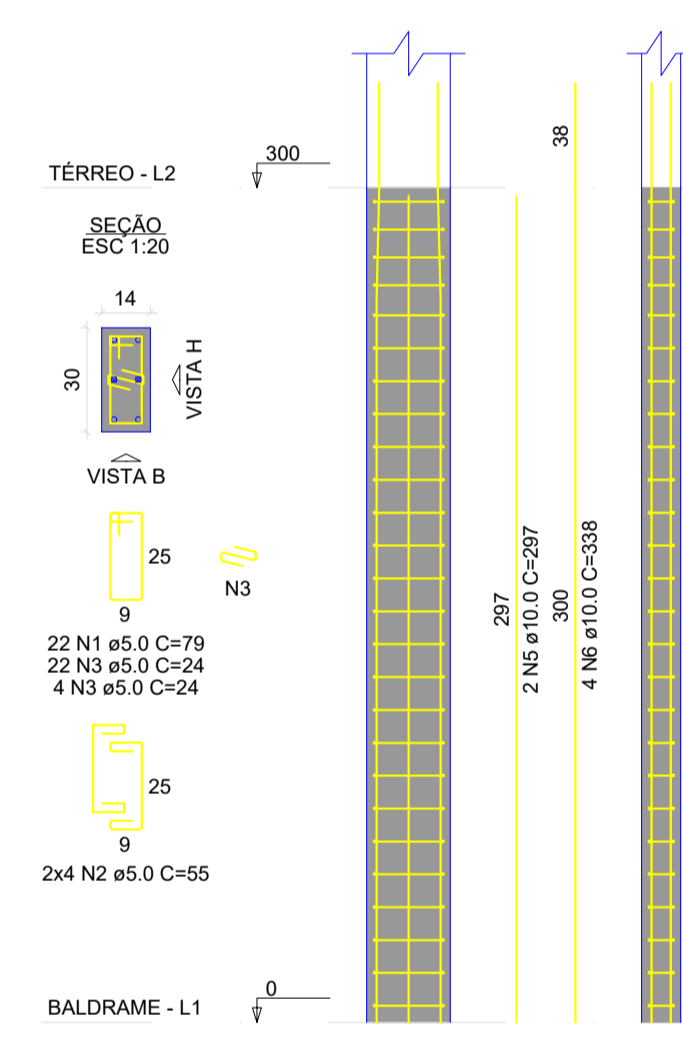
7xP1	P2	3xP3
2xP6	4xP12	P13
P16	2xP20	P12
P23	P24	P25
P28	P27	P28
3xP29	P32	

RESUMO DO AÇO				
AÇO	N	DIAM (mm)	QUANT	C.TOTAL (cm)
CA50	1	5.0	735	73
	2	5.0	186	55
	3	5.0	283	24
	4	6.3	30	85
	5	10.0	114	297
	6	10.0	54	538
	7	12.5	8	297
	8	12.5	12	347
	9	16.0	4	360
	10	16.0	4	360
				1440

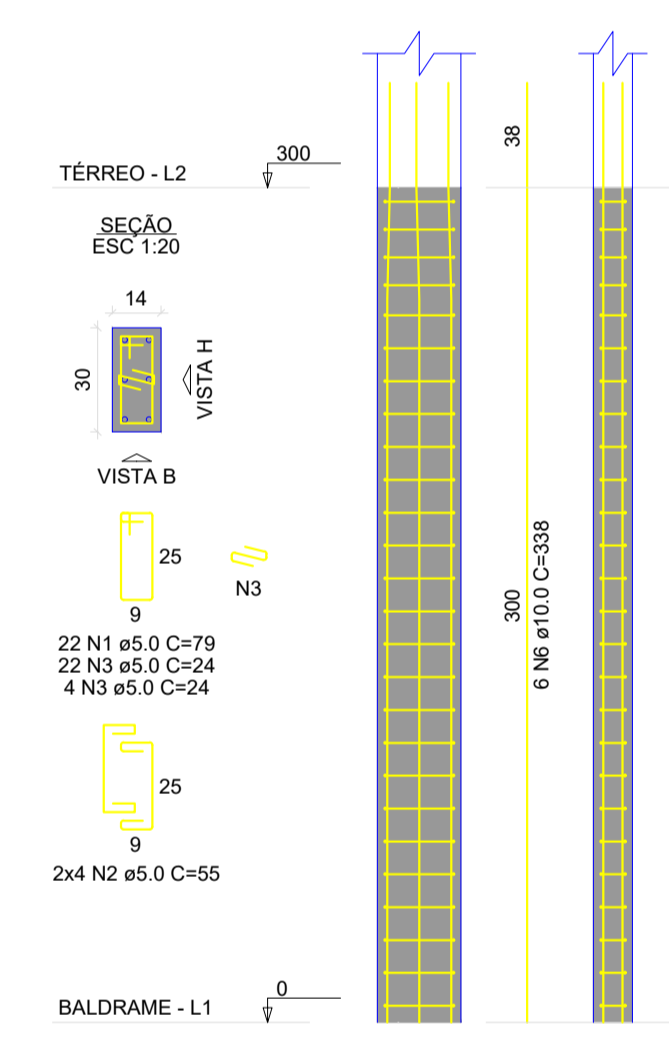
PESO TOTAL			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	24	6.5
	10.0	526.8	358.5
	12.5	65.4	89.3
	16.0	14.4	25
CA60	5.0	752	127.5

Volume de concreto (C-25) = 4.03 m³
Área de forma = 84.48 m²

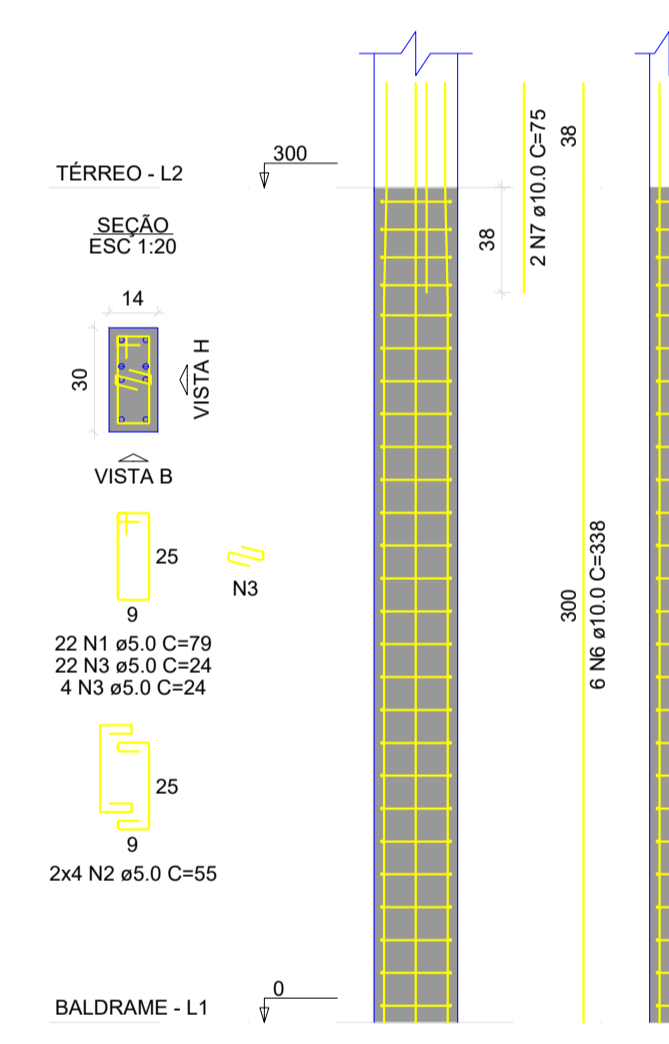
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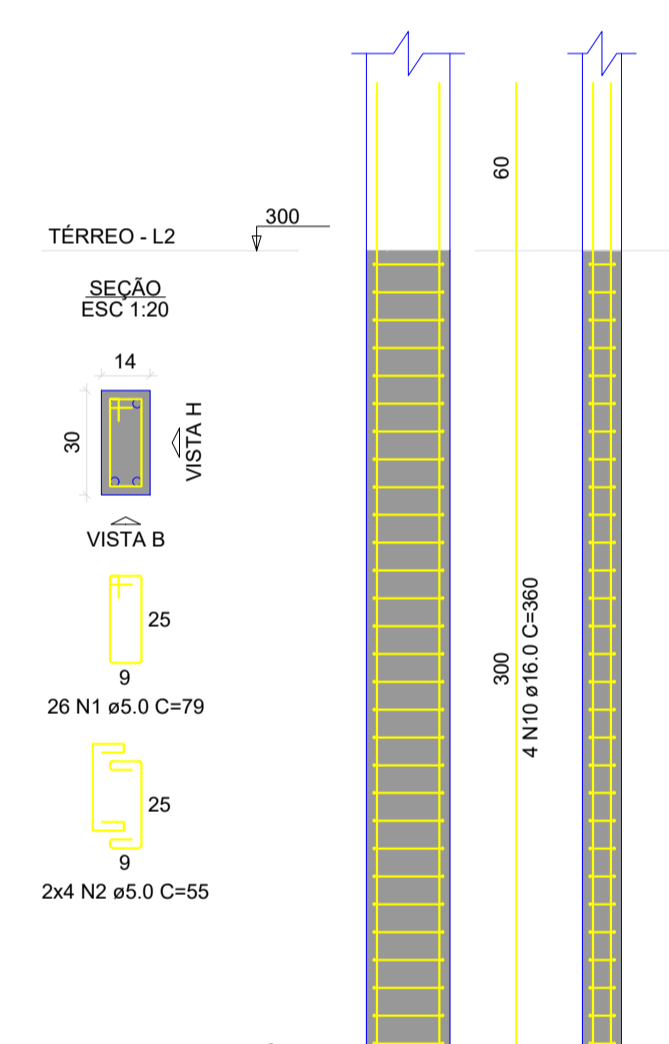
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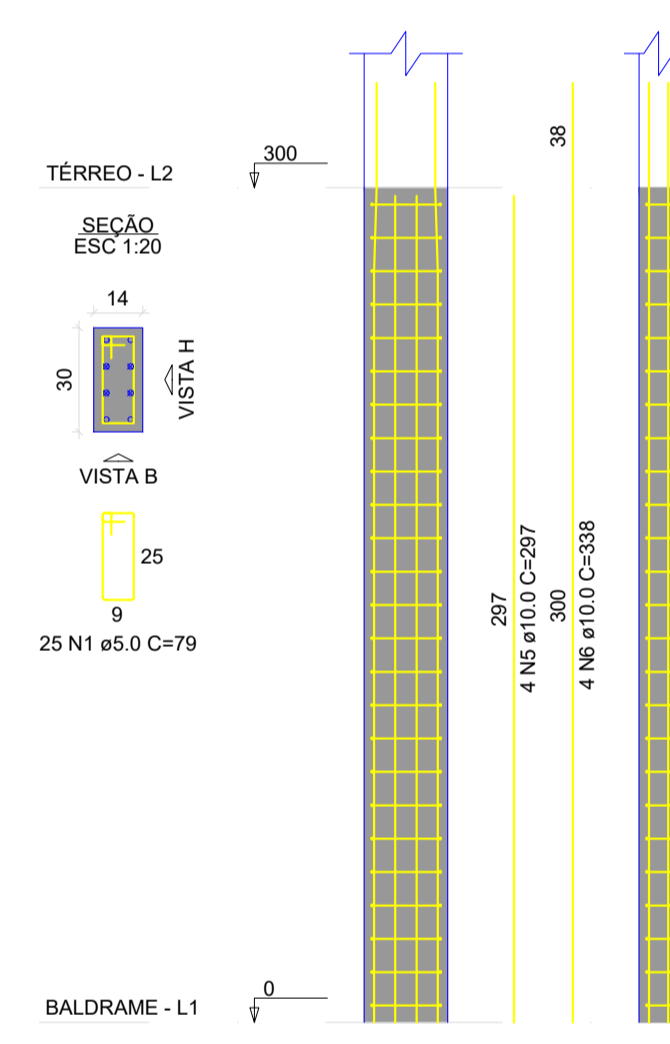
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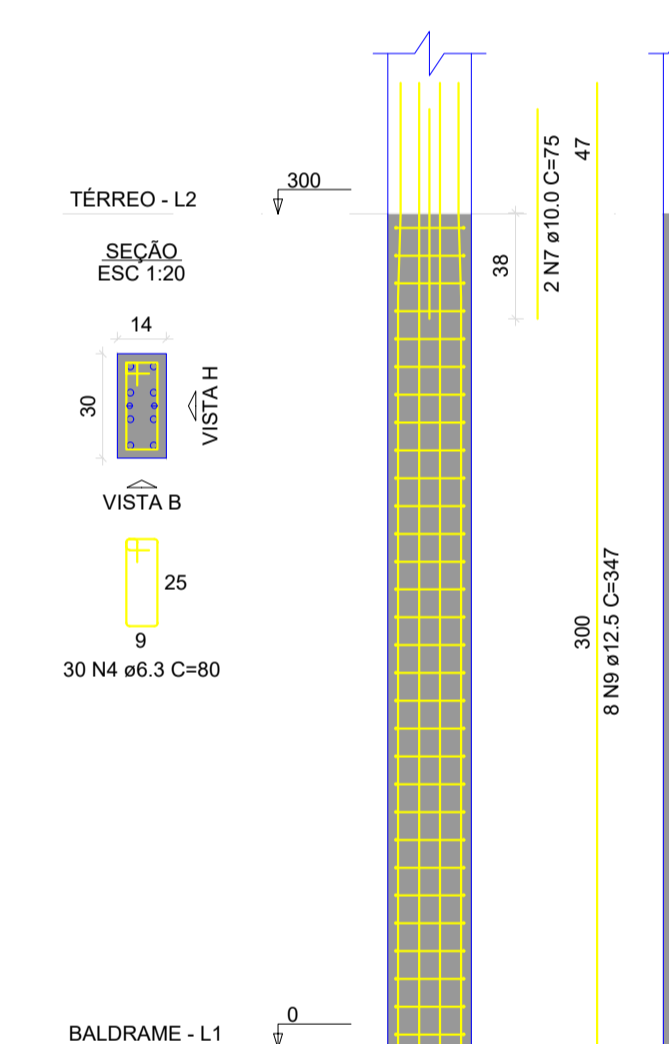
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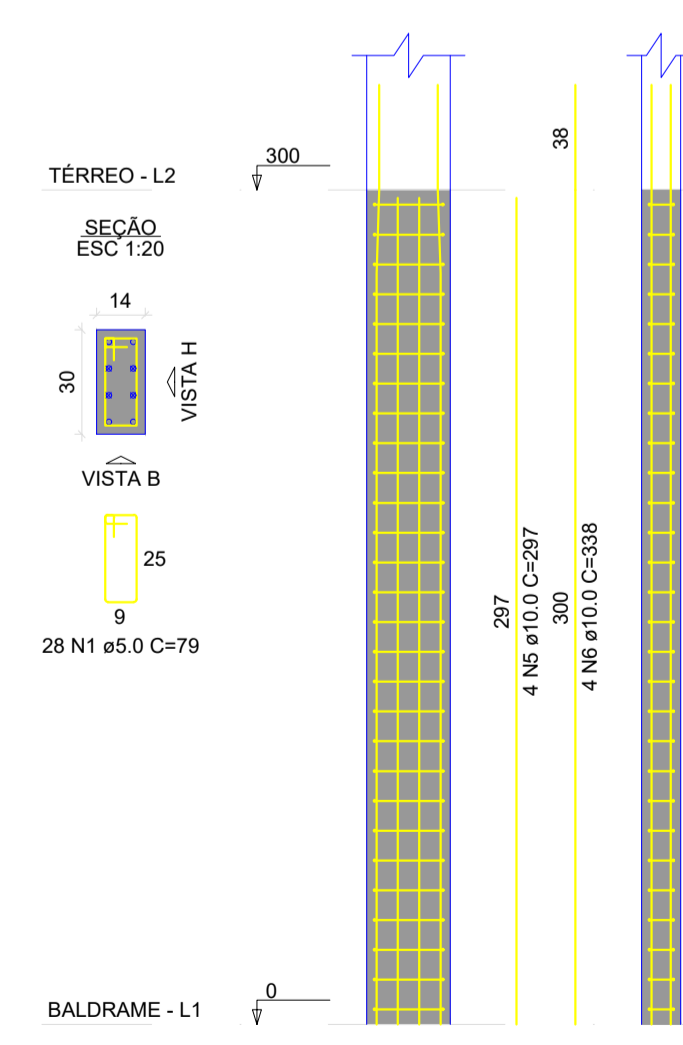
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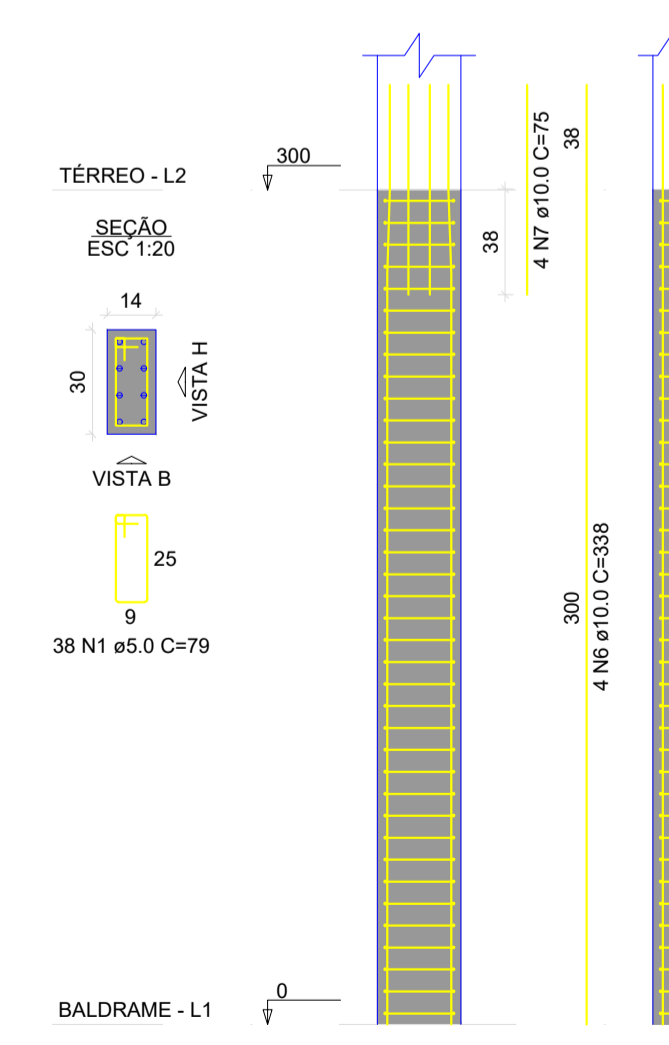
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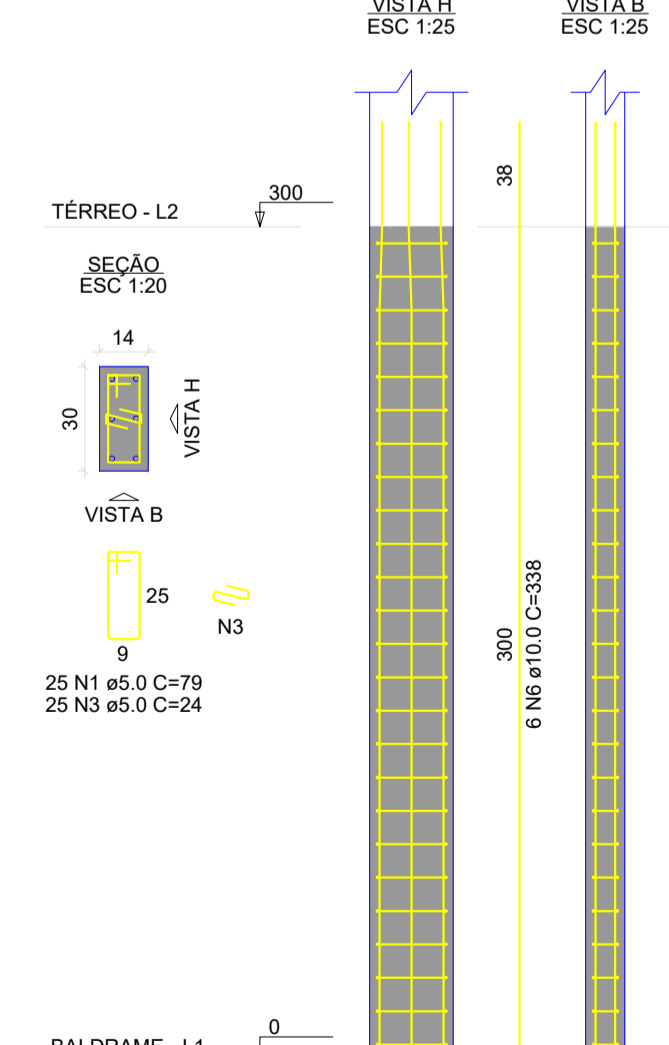
P27



P28



P29=P30=P31



P32

