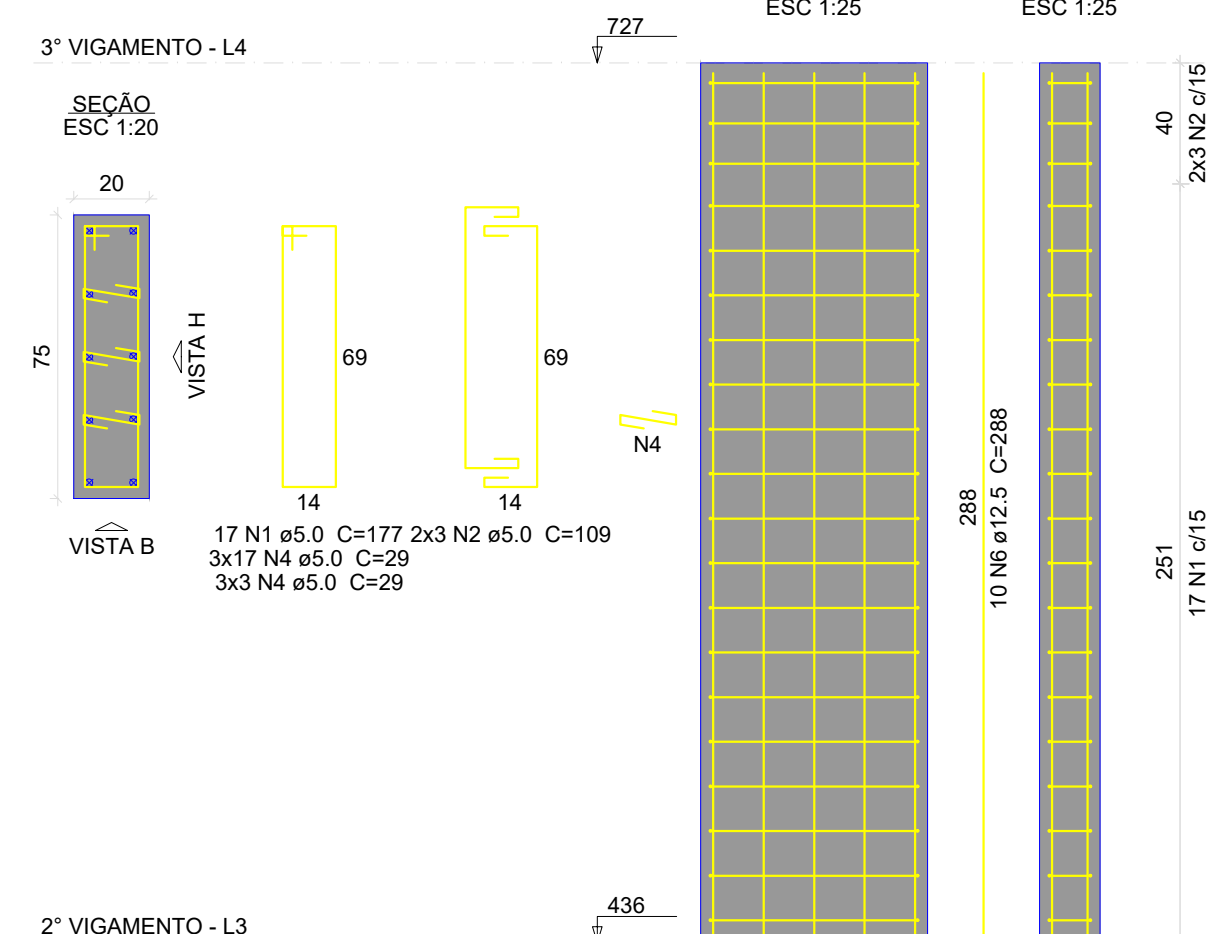
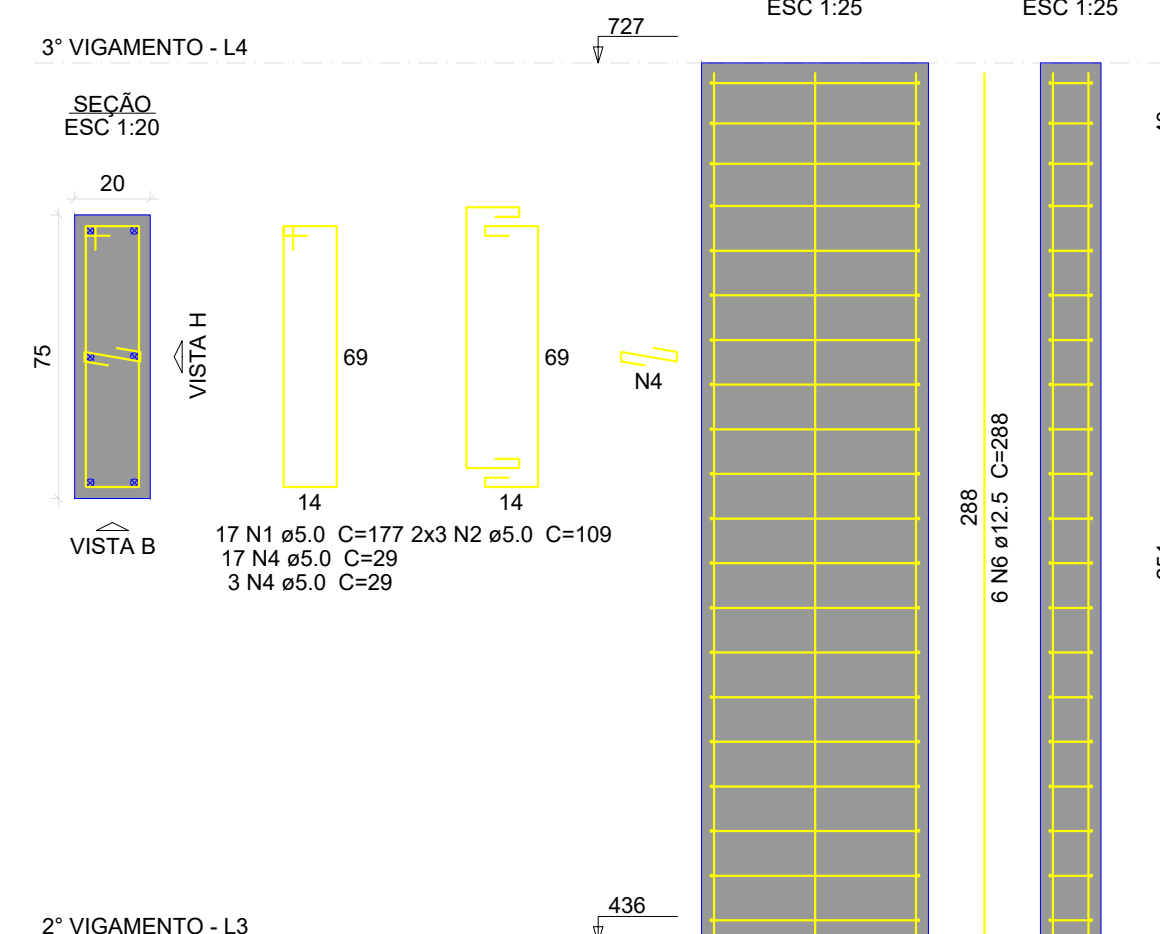
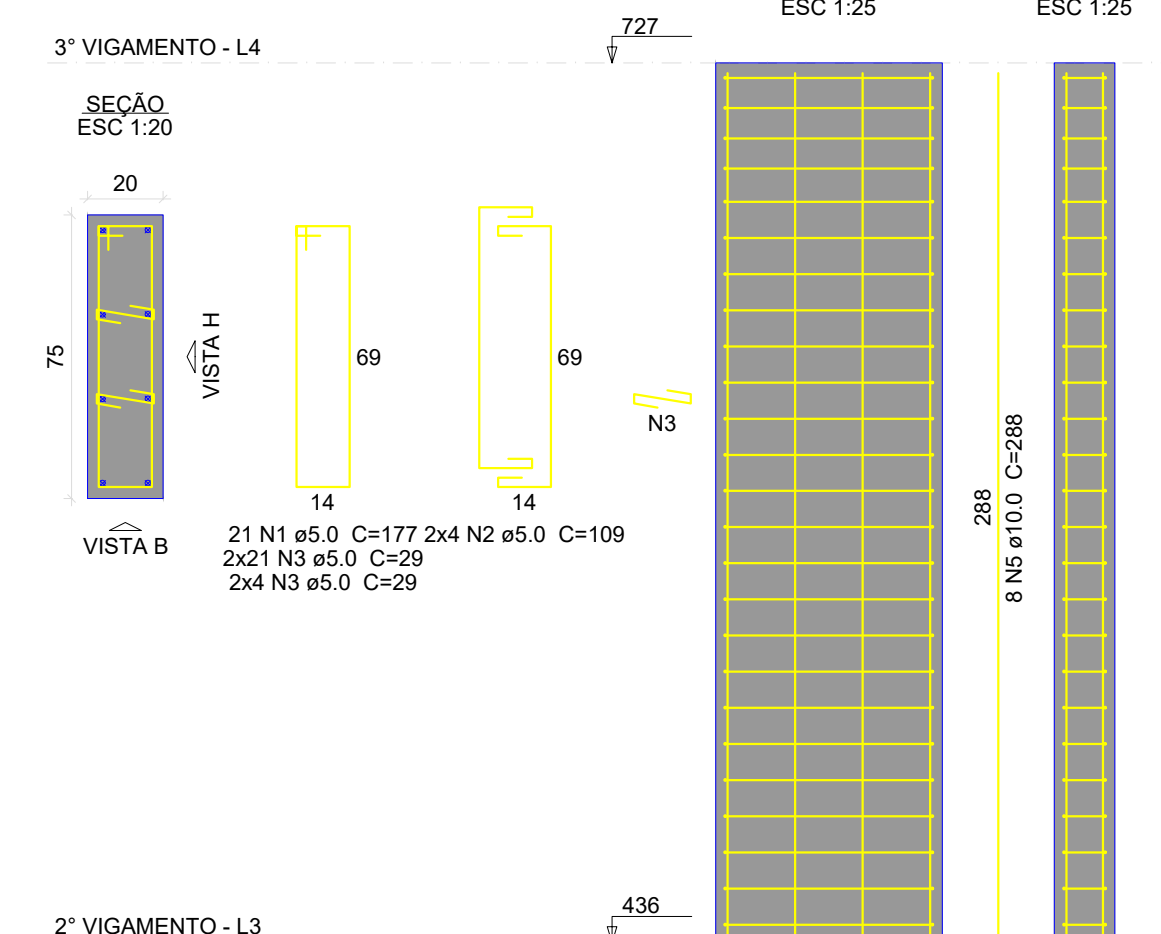


V1		V2			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	198	95	18810
CAS0	2	8.0	4	866	3464
	3	8.0	4	921	3684
	4	8.0	4	457	1828
	5	8.0	4	116	464
	6	8.0	6	160	960
	7	8.0	2	190	380
	8	8.0	4	1198	4792
	9	8.0	4	1065	4260

AÇO	DIAM (mm)	C. TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	198.4	86.1
CA60	5.0	188.1	31.9
PESO TOTAL (kg)			
CA50	86.1		
CA60	31.9		

Volume de concreto (C-30) = 2.31 m³
Área de forma = 38.73 m²



4xP9		4xP11		4xP13	
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	220	177	38940
	2	5.0	80	109	8720
	3	5.0	200	29	5800
	4	5.0	320	29	9280
CA50	5	10.0	32	288	9216
	6	12.5	64	288	18432

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	92.2	62.5
	12.5	184.4	195.3
CA60	5.0	627.4	106.4
PESO TOTAL (kg)			
CA50	257.8		
CA60	106.4		

Volume de concreto (C-30) = 5.24 m³
Área de forma = 66.35 m²