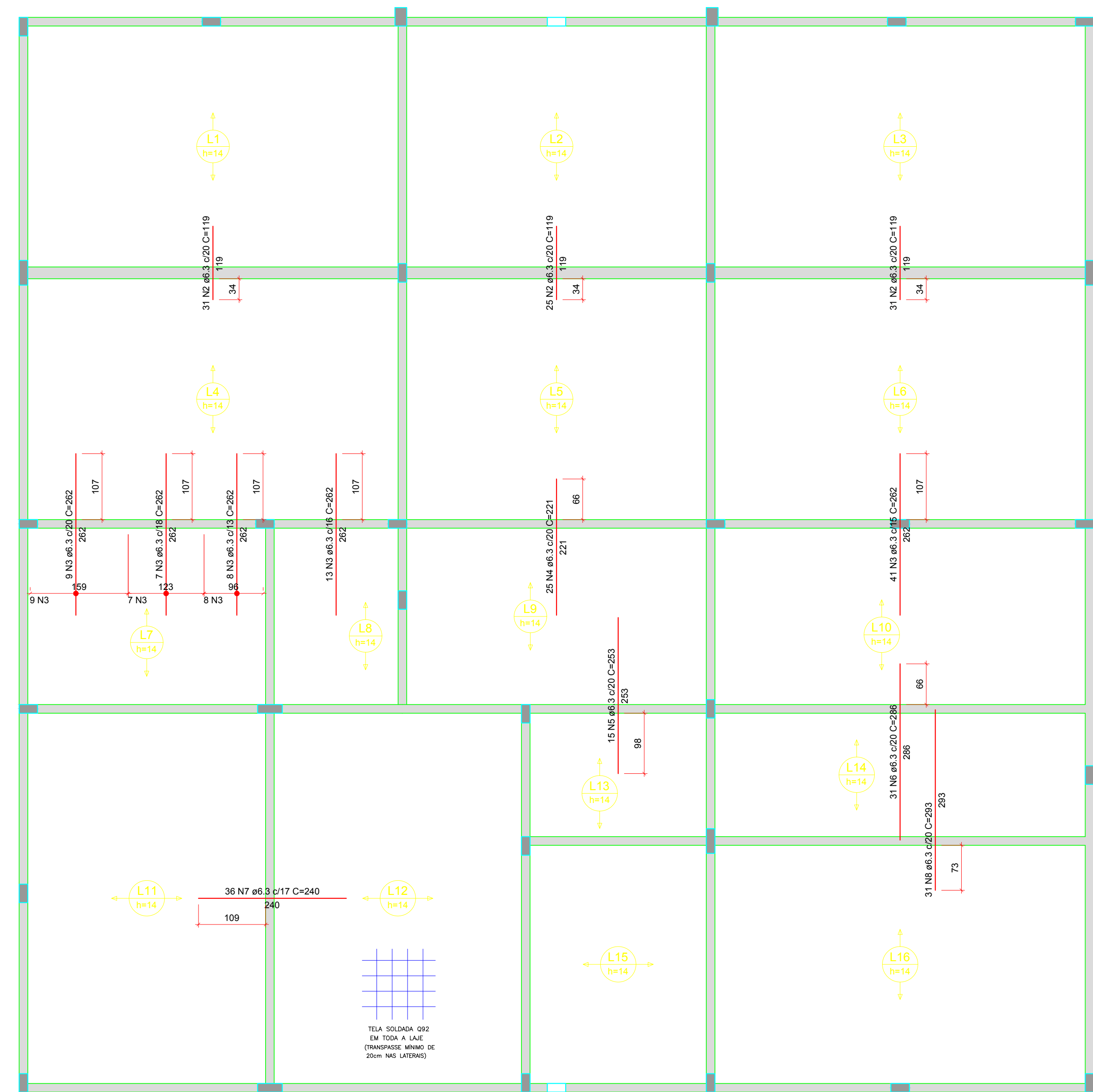
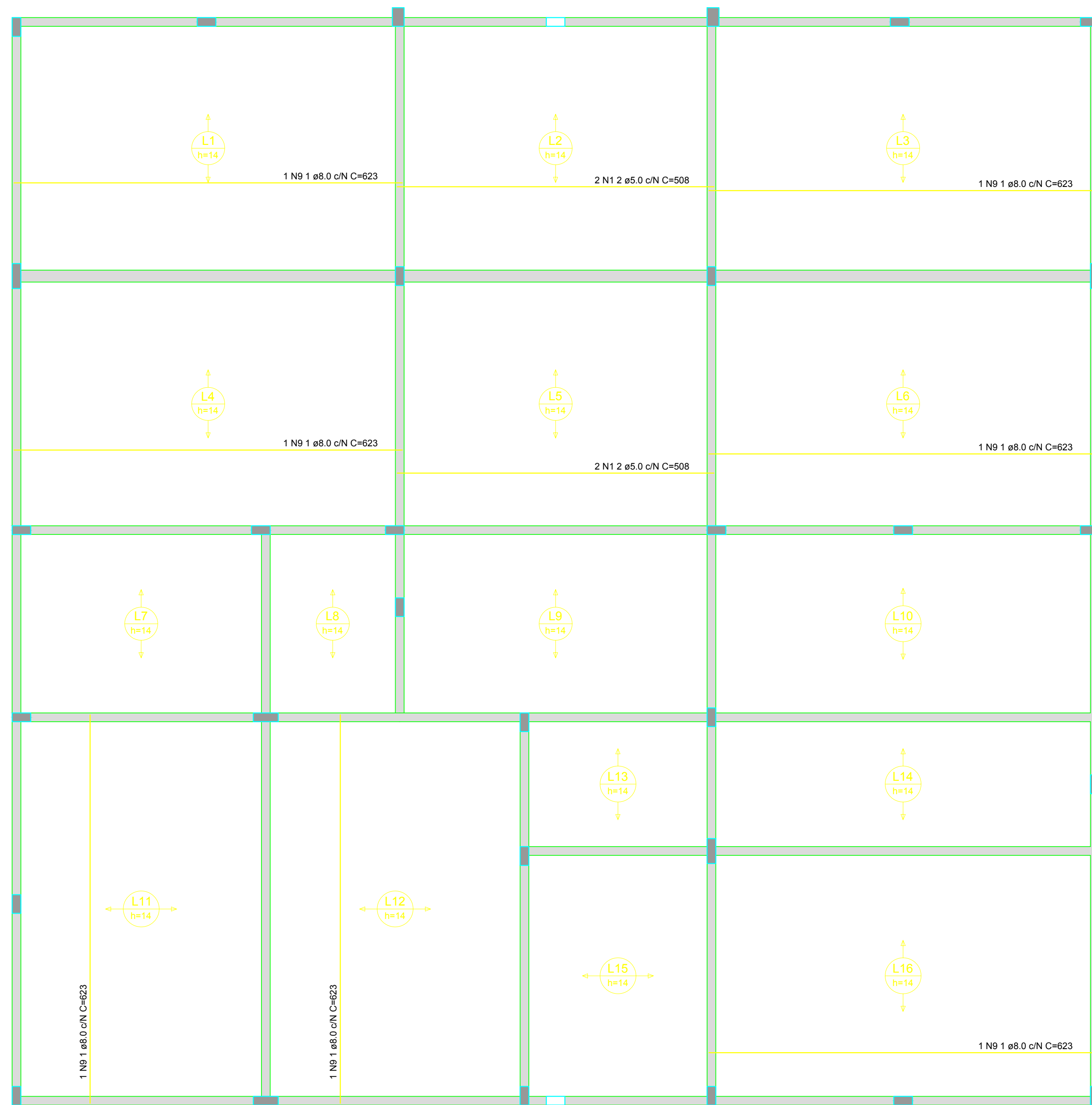




RELAÇÃO DO AÇO					
Negativos		Positivos			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	4	508	2032
CA50	2	6.3	87	119	10353
	3	6.3	78	262	20436
	4	6.3	25	221	5525
	5	6.3	15	253	3795
	6	6.3	31	286	8886
	7	6.3	36	240	8640
	8	6.3	31	293	9083
	9	8.0	7	623	4361

RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CA50	6.3	667	56	163.2
	8.0	43.6	4	17.2
CA60	5.0	20.3	-	3.1
PESO TOTAL (kg)				
CA50	180.4			
CA60	3.1			

Volume de concreto (C-25) = 15.08 m³
Área de forma = 0.00 m²