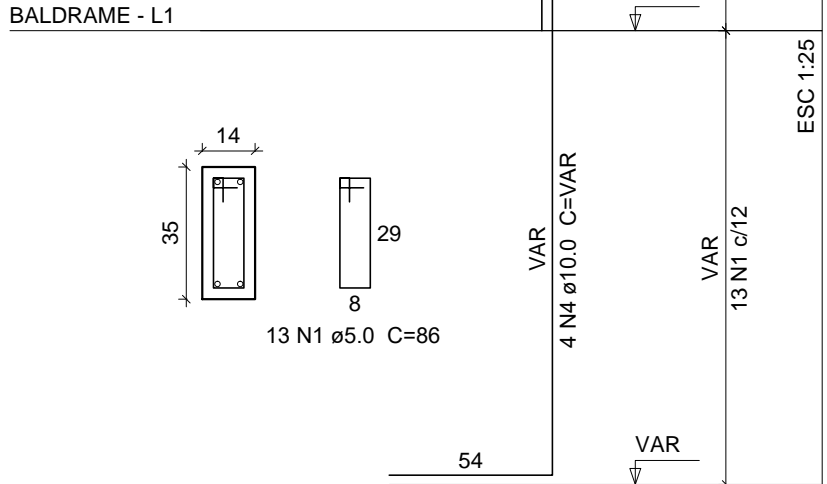
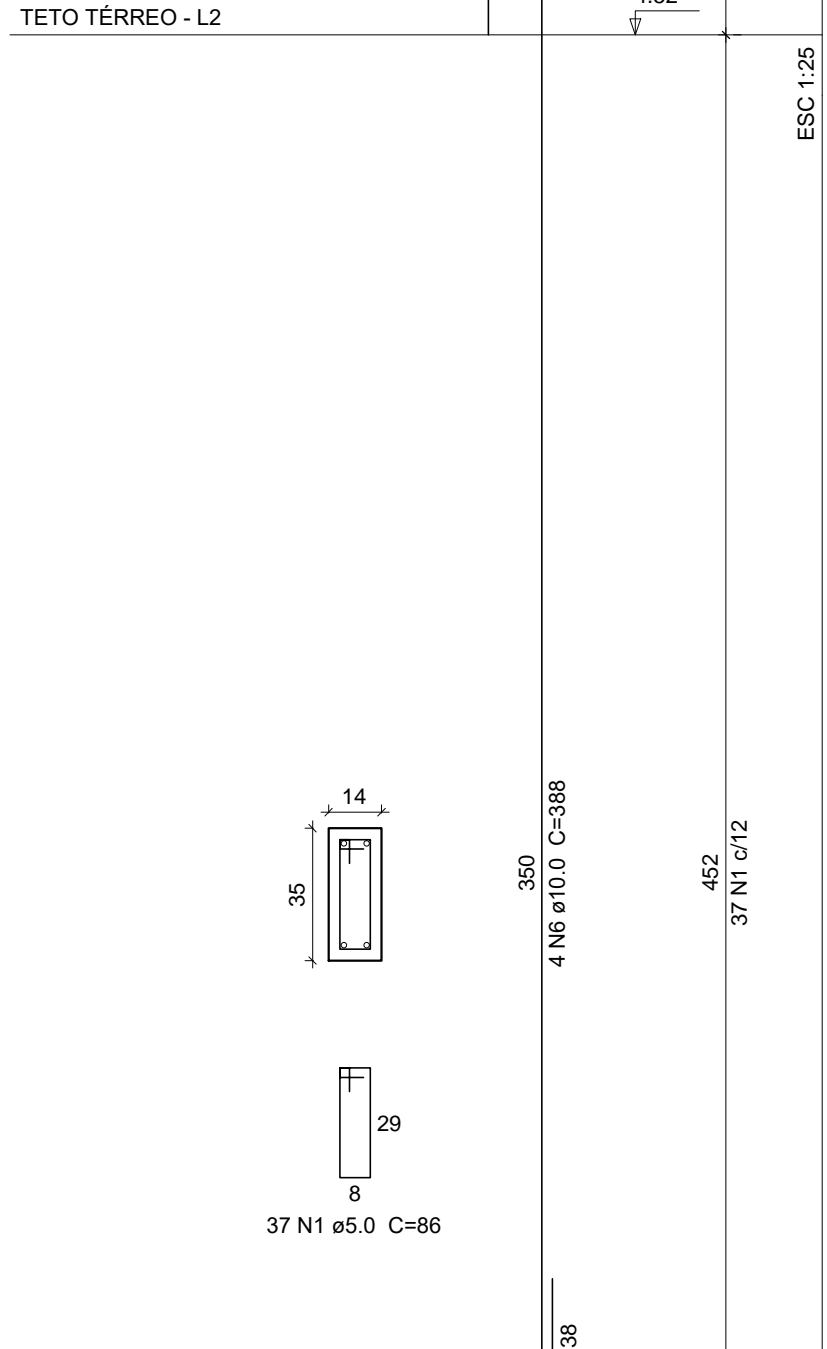
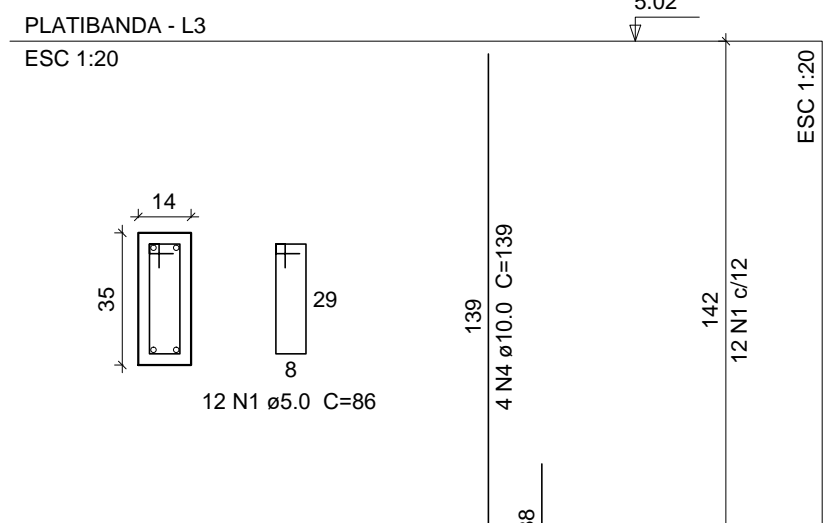
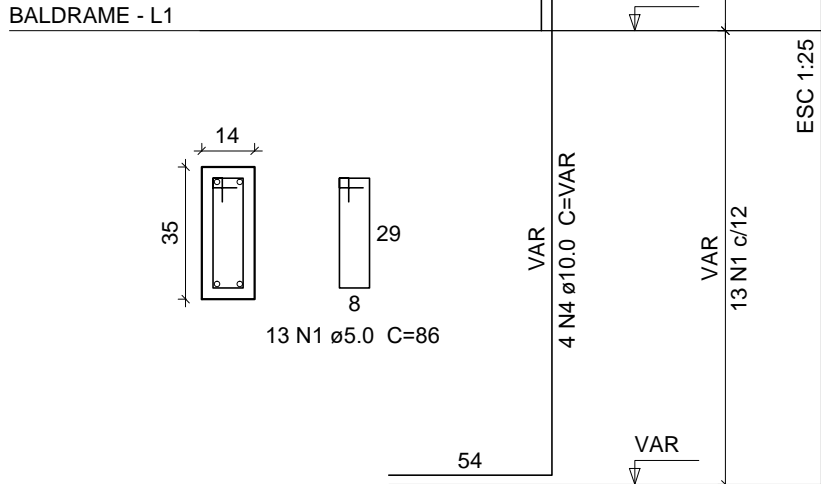
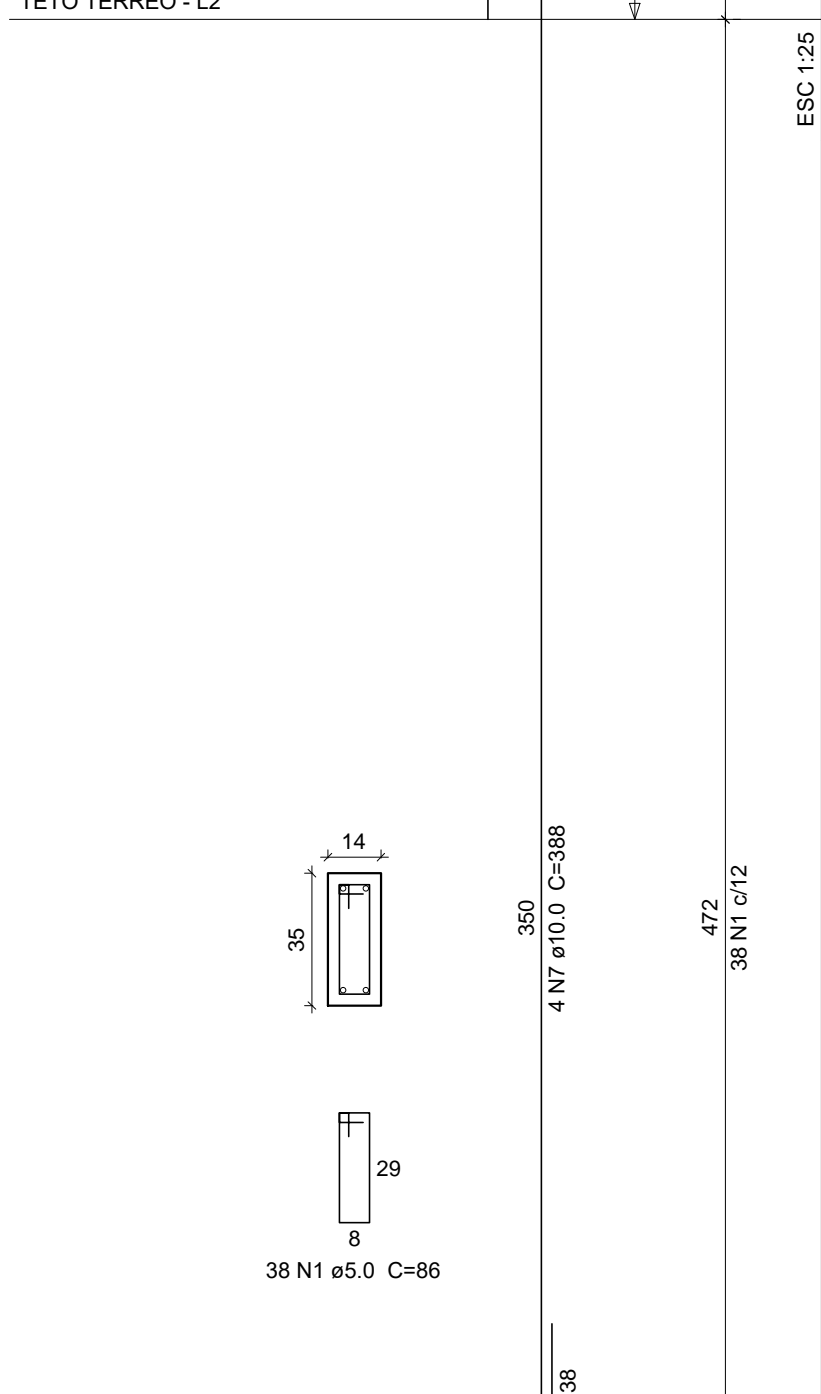
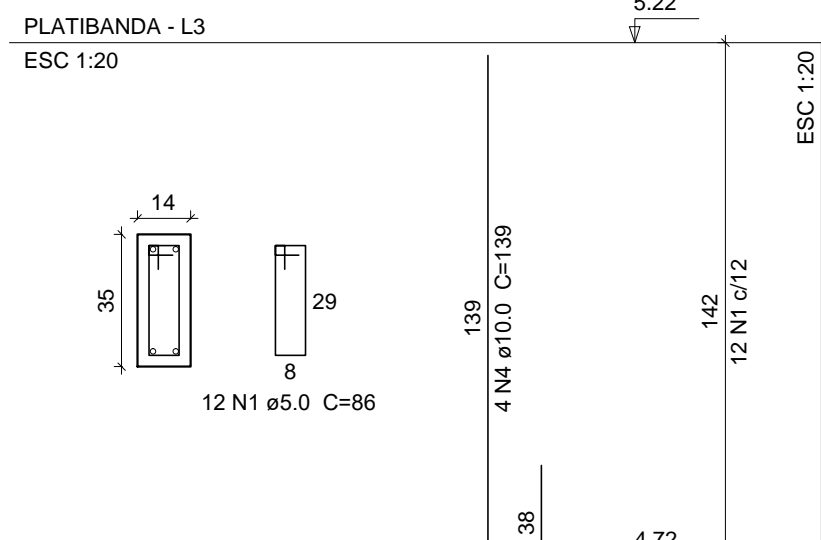


P15



P16



Relação do aço (pilaretes platibanda)

19xP1		2xP11				
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)	
CA60	1	5.0	218	86	18748	
	2	5.0	34	106	3604	
CA50	3	5.0	34	33	1122	
	4	10.0	60	139	8340	
	5	10.0	6	205	1230	
	6	10.0	8	217	1736	

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	113.06	76.75
CA60	5.0	234.74	39.75
PESO TOTAL			
CA50	76.75		
CA60	39.75		

Vol. de concreto total (C-25) = 1.61m³
Área de forma total = 30.00m²

Relação do aço (pilares)

17xP1		P11					P17				
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)		AÇO	N	DIAM	Q	C.TOTAL (cm)
CA60	1	5.0	537	86	46182		CA60	1	5.0	537	86
	2	5.0	60	106	6360			2	5.0	60	106
CA50	3	5.0	60	33	1990		CA50	3	5.0	60	33
	4	10.0	64	388	24832			4	10.0	64	388
	5	10.0	4	470	1960			5	10.0	4	470
	6	10.0	4	490	1088			6	10.0	4	490
	7	10.0	4	510	2040			7	10.0	4	510

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	299.2	203.1
CA60	5.0	545.2	92.4
PESO TOTAL			
CA50	203.1		
CA60	92.4		

Vol. de concreto total (C-25) = 3.7 m³
Área de forma total = 69.4 m²

Relação do aço (arranque)

17xP1		P11					P17				
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)		AÇO	N	DIAM	Q	C.TOTAL (cm)
CA60	1	5.0	221	86	19006		CA60	1	5.0	221	86
	2	5.0	26	106	2756			2	5.0	26	106
CA50	3	5.0	26	33	858		CA50	3	5.0	26	33
	4	10.0	68	242	16456			4	10.0	68	242
	5	10.0	4	282	1128			5	10.0	4	282
	6	10.0	4	272	1088			6	10.0	4	272

Resumo do aço

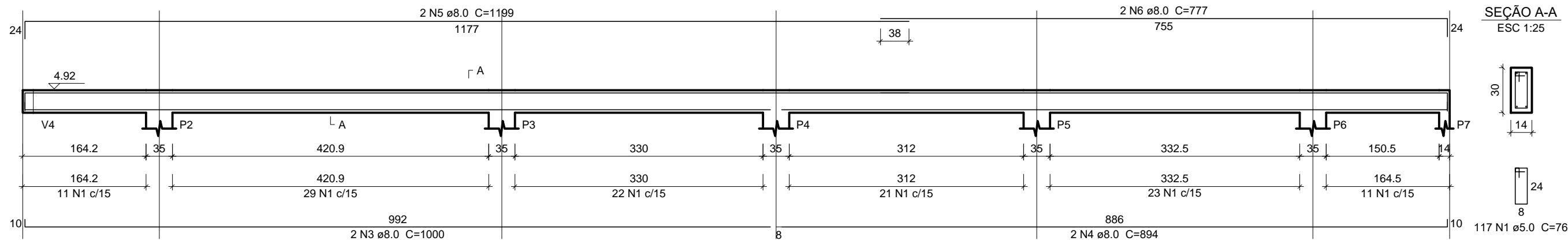
AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	186.7	126.7
CA60	5.0	226.2	38.3
PESO TOTAL			
CA50	126.7		
CA60	38.3		

Vol. de concreto total (C-25) = 1.1 m³
Área de forma total = 20.92 m²

VIGA PLATIBANDA

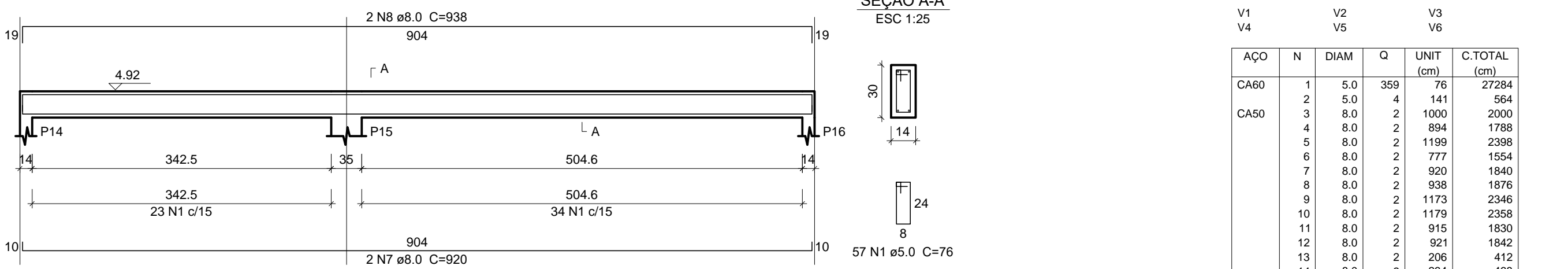
V1

ESC 1:50



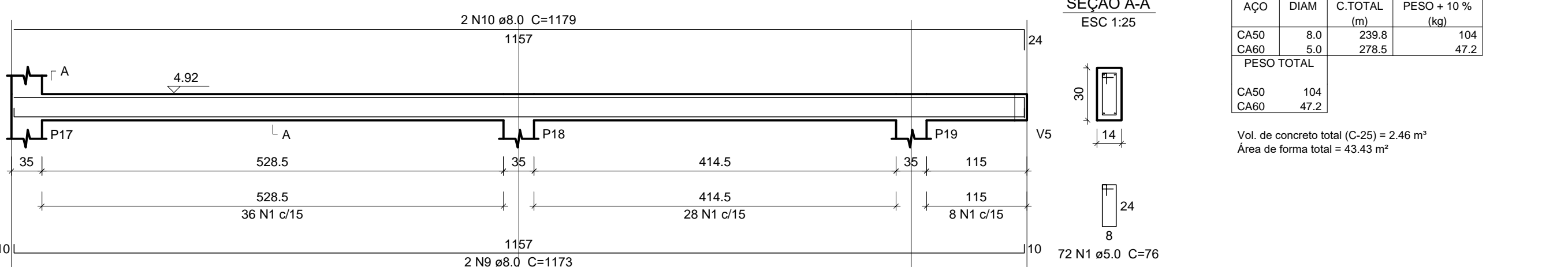
V2

ESC 1:50



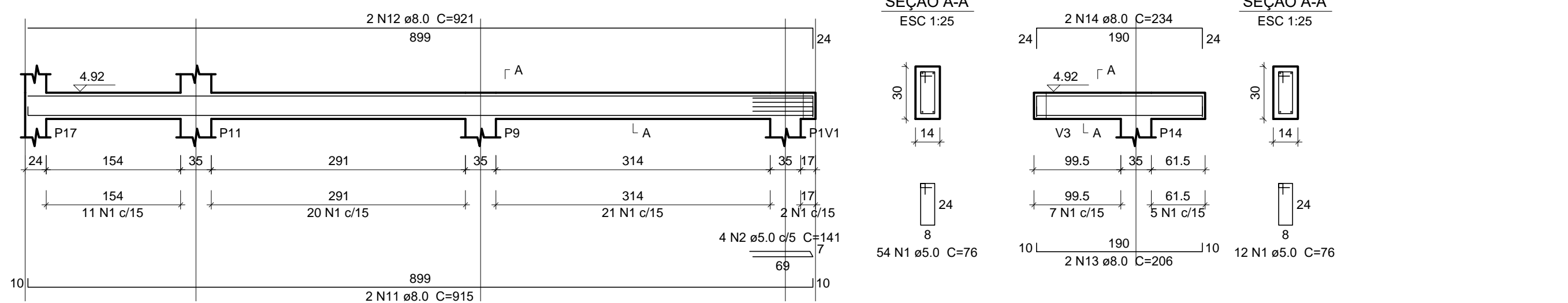
V3

ESC 1:50



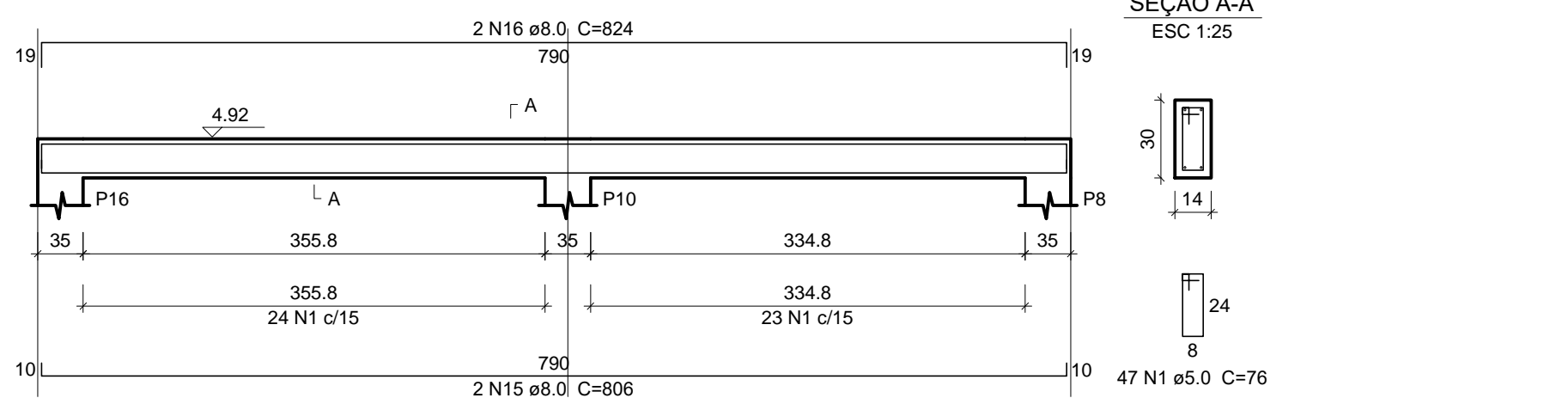
V4

ESC 1:50



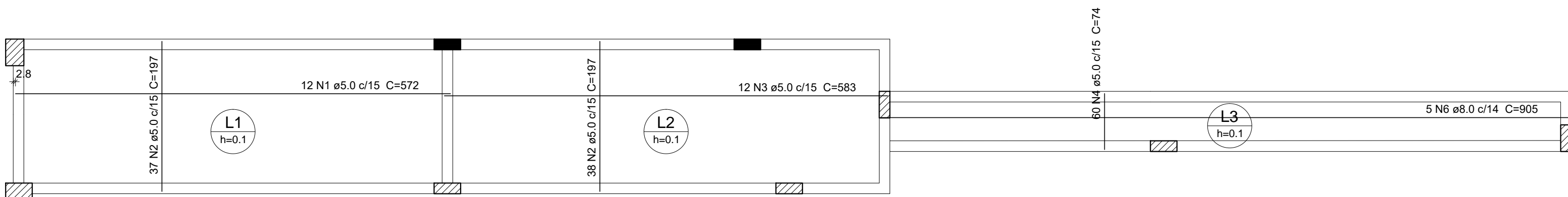
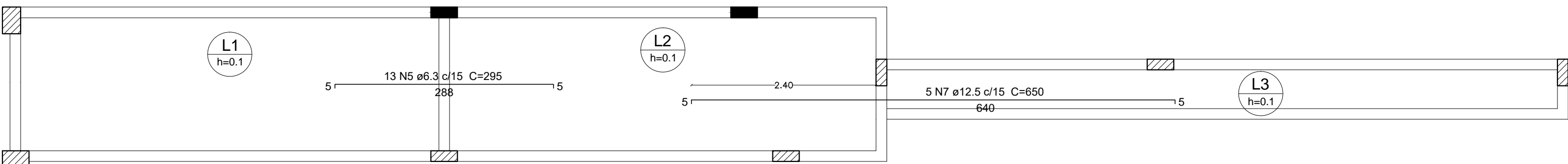
V6

ESC 1:50



ARMAÇÃO NEGATIVA LAJE TÉRREO

escala 1:50



ARMAÇÃO POSITIVA LAJE TÉRREO

escala 1:50

Relação do aço

Negativos		Positivos				
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)	
CA60	1	5.0	12	572	6864	
	2	5.0	75	197	14775	
	3	5.0	12	583	6996	
	4	5.0	60	74	4440	
CA50	5	6.3	13	295	3835	
	6	8.0	5	905	4525	
	7	12.5	5	650	3250	

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	38.4	10.3
	8.0	45.3	19.6
	12.5	32.5	34.5
CA60	5.0	330.8	56.1
PESO TOTAL			
CA50	64.4		
CA60	56.1		

Vol. de concreto total (C-25) = 2.54 m³
Área de forma total = 26.33 m²

QUADRO DE ÁREAS

1º PAVIMENTO	365,40m²
2º PAVIMENTO	156,93m²
TOTAL	522,33m²