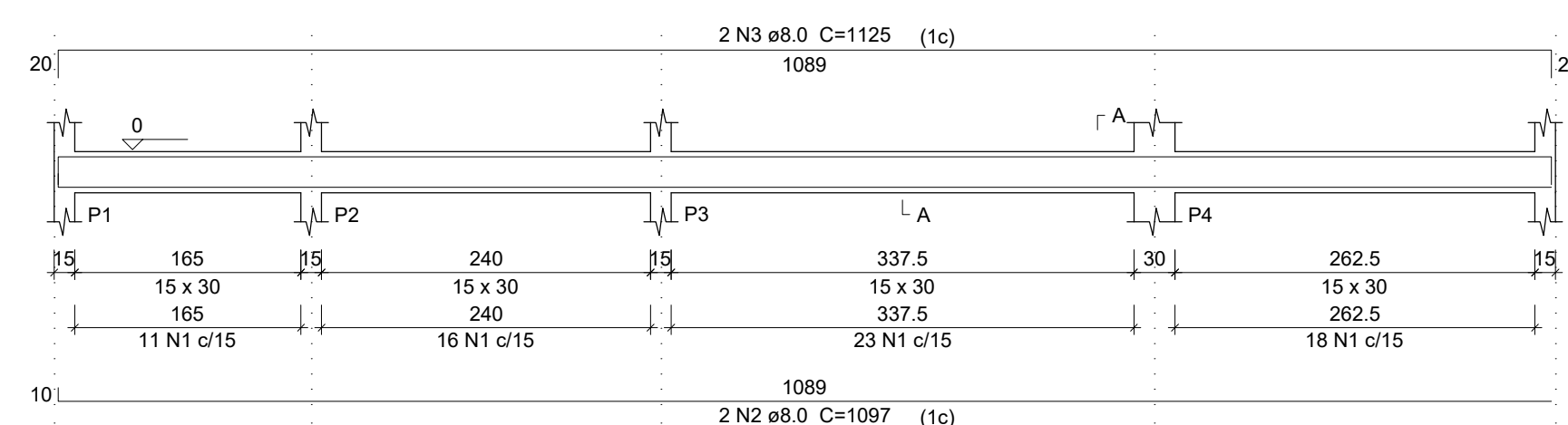


BALDRAME – VIGAS

ESC.: 1/50

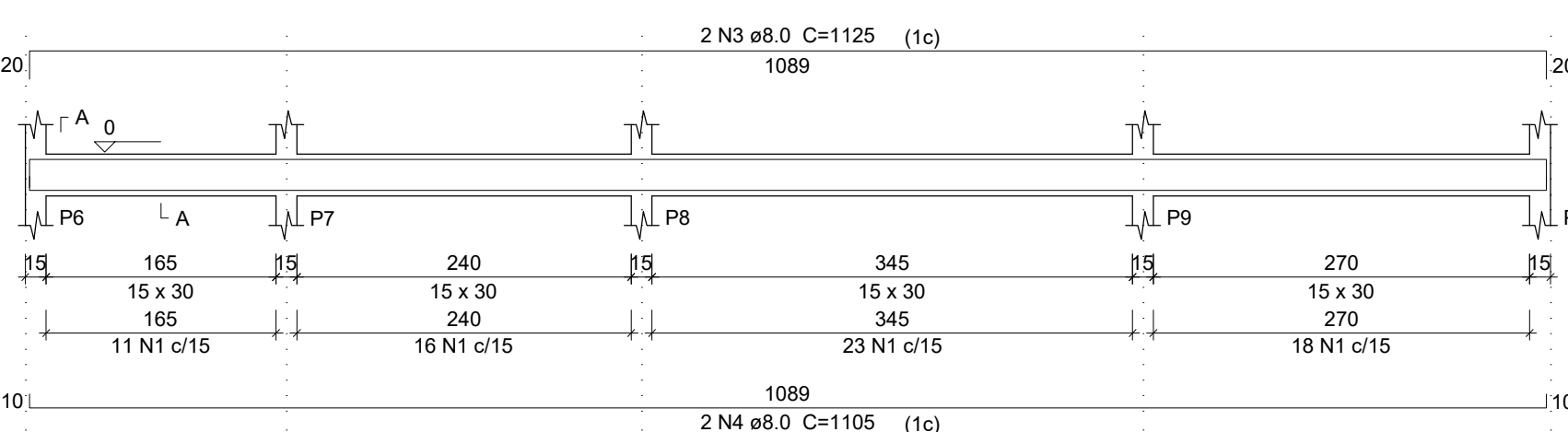
V1

ESC 1:50



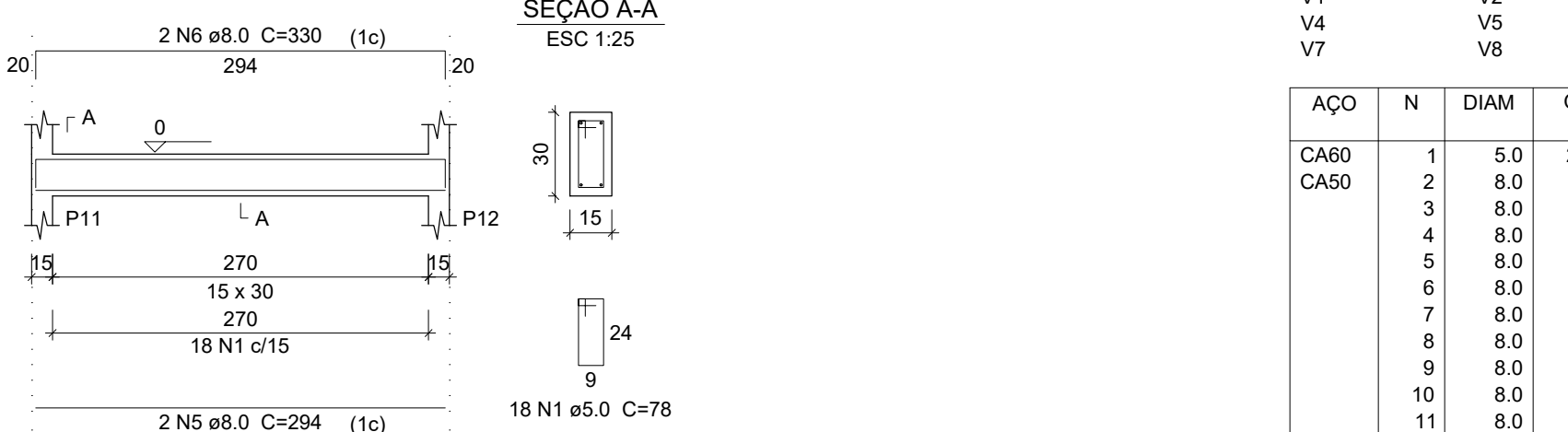
V2

ESC 1:50



V3

ESC 1:50

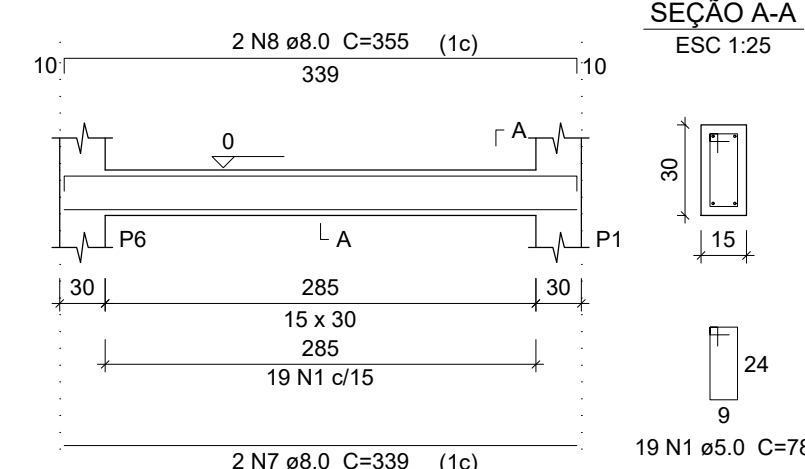


Relação do aço - Vigas Baldrame

V1 V4 V7	V2 V5 V8	V3 V6			
ÁÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	294	78	22932
CA50	2	8.0	2	1097	2194
	3	8.0	4	1125	4500
	4	8.0	2	1105	2210
	5	8.0	2	294	588
	6	8.0	2	330	660
	7	8.0	8	339	2712
	8	8.0	2	355	710
	9	8.0	1	77	77
	10	8.0	2	347	694
	11	8.0	6	684	4104
	12	8.0	2	704	1408

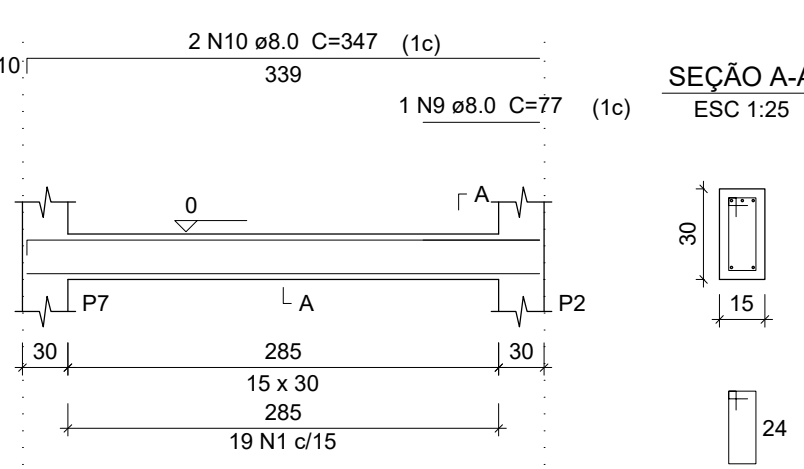
V4

ESC 1:50



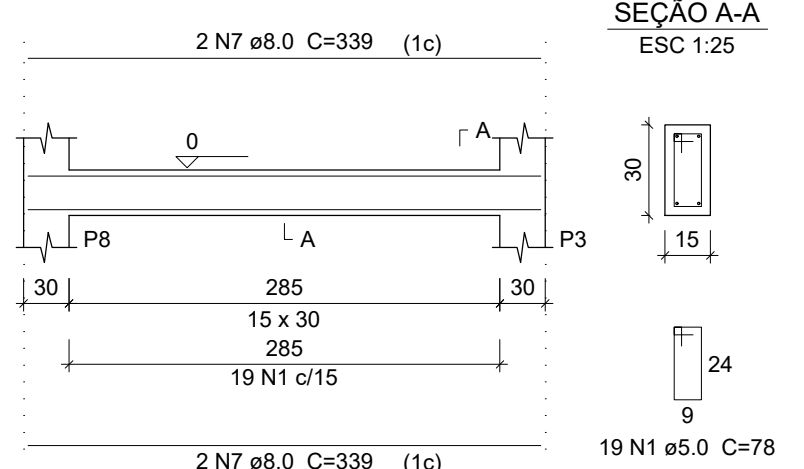
V5

ESC 1:50



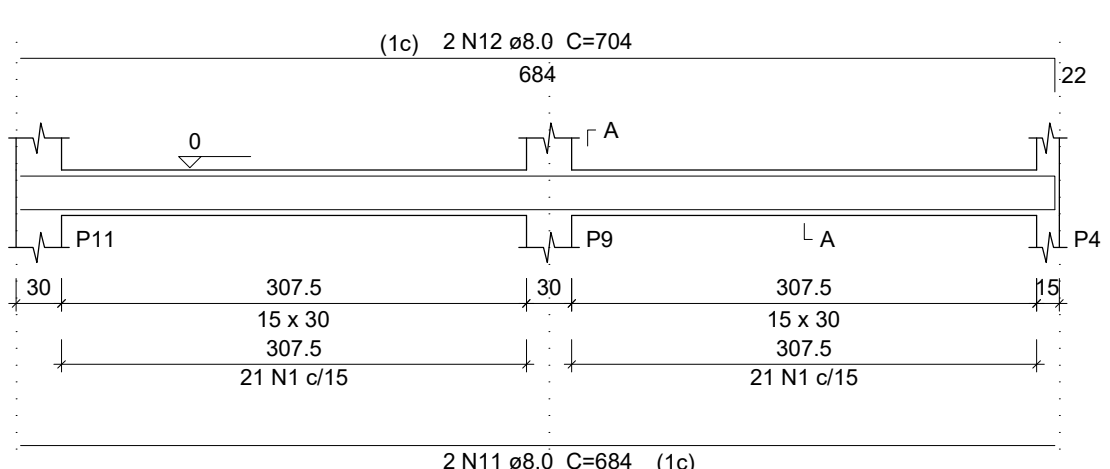
V6

ESC 1:50



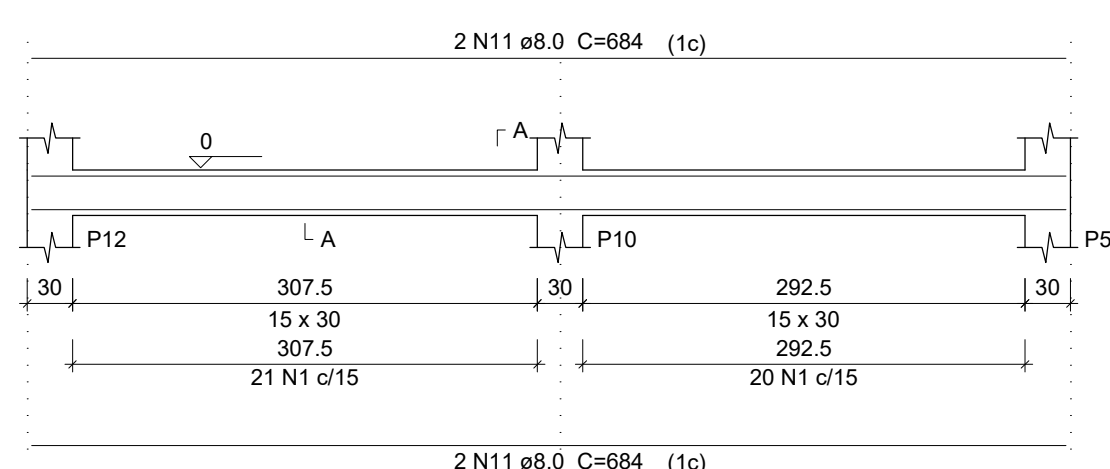
V7

ESC 1:50



V8

ESC 1:50

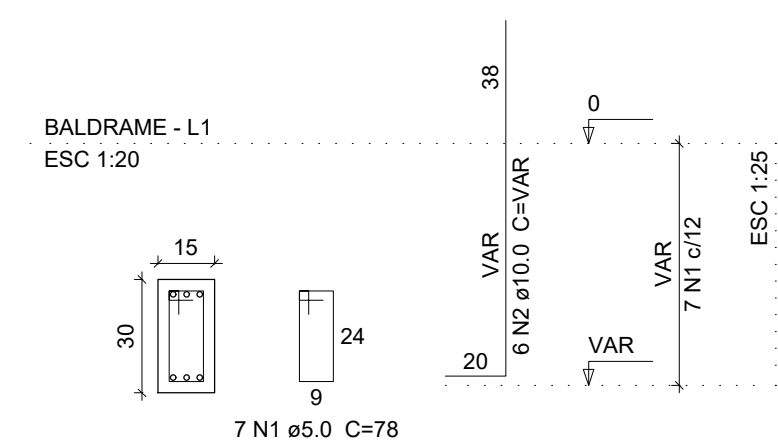


Resumo do aço

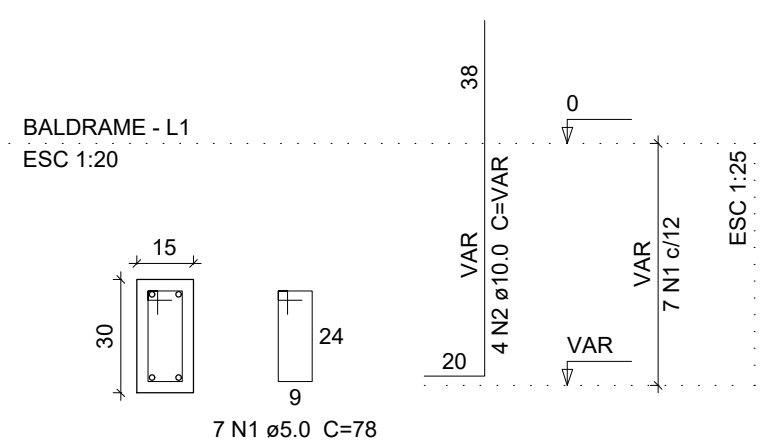
ÁÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	198.6	86.2
CA60	5.0	229.4	38.9
PESO TOTAL			
CA50			86.2
CA60			38.9

Vol. de concreto total (C-25) = 2.21 m³
Área de forma total = 36.79 m²

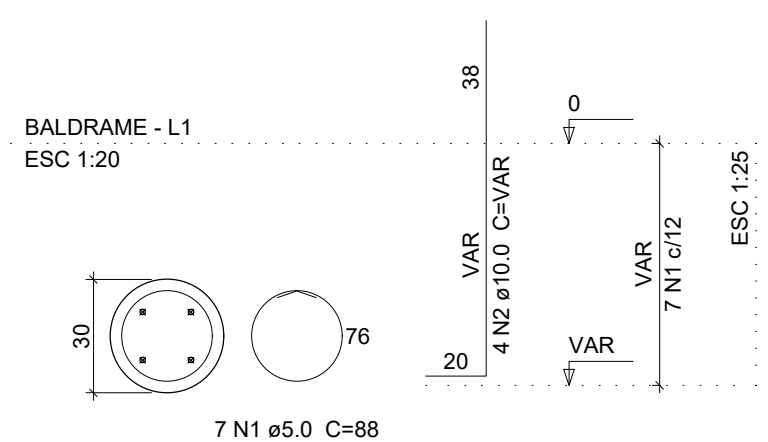
P1=P2=P6=P7



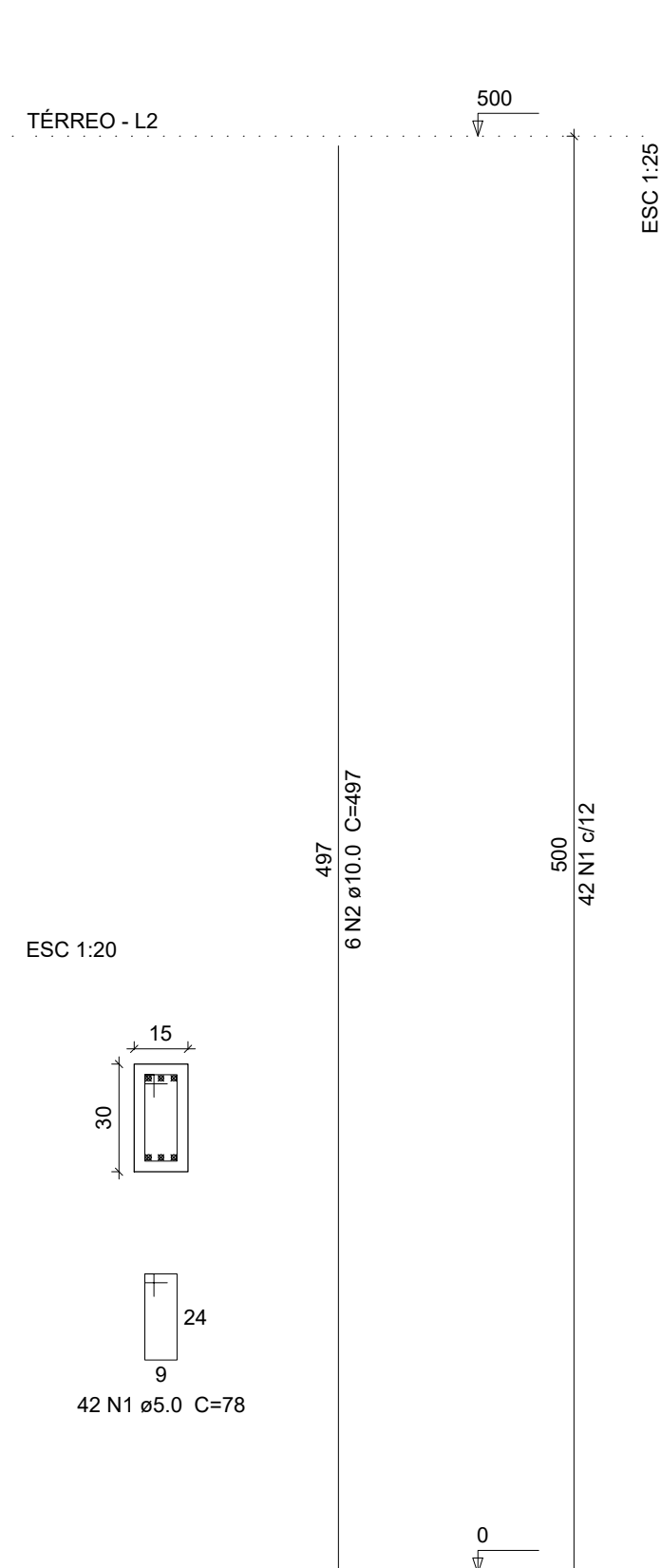
P3=P4=P5=P8=P9=P10=P11=P12



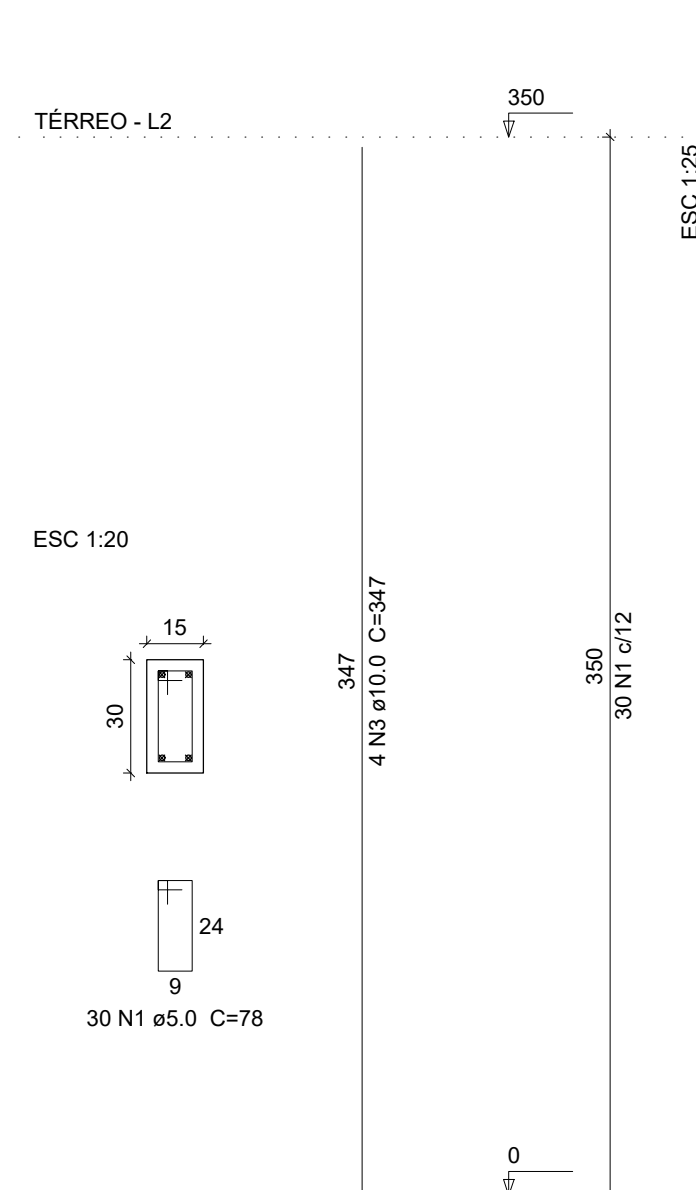
P13=P14



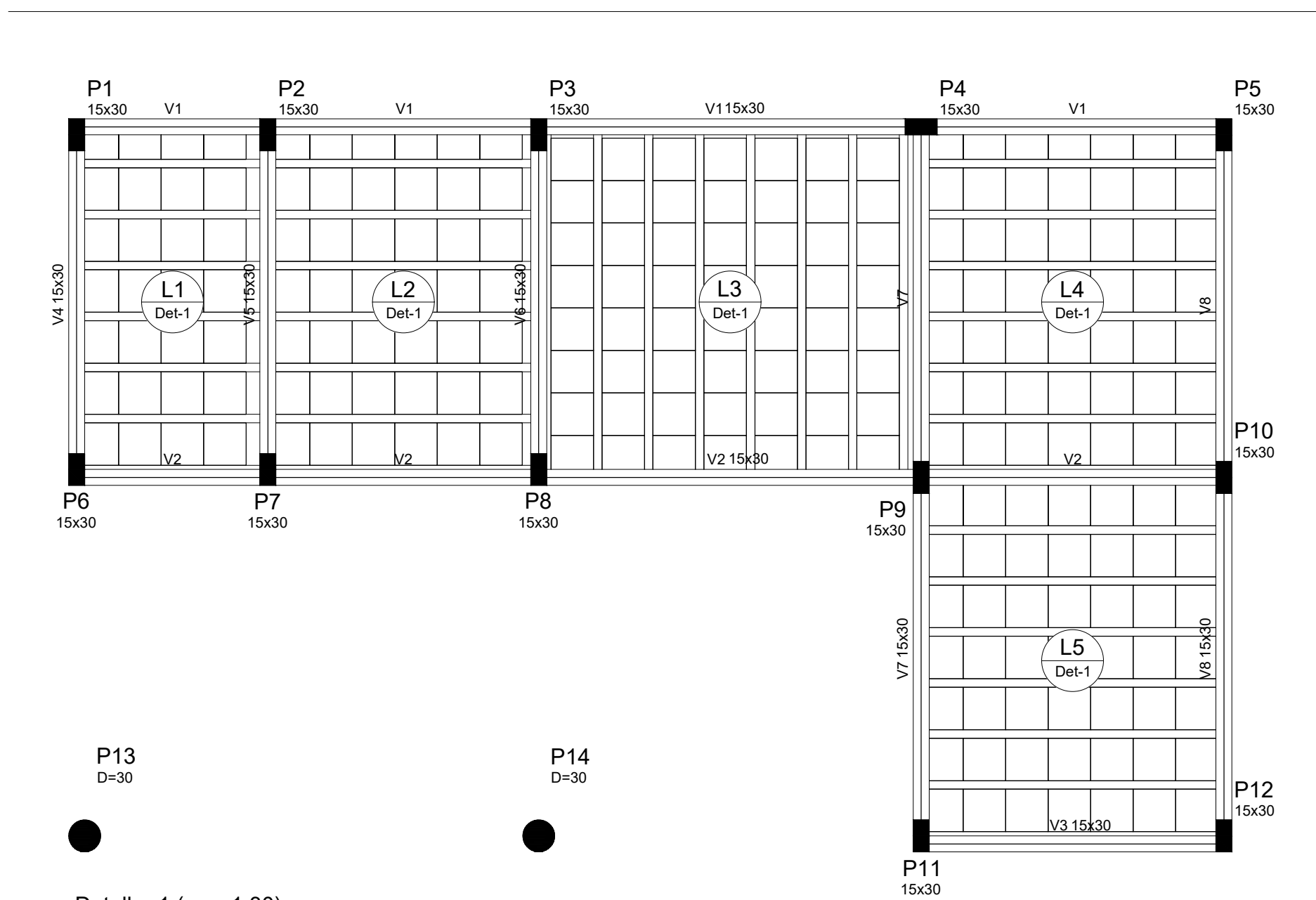
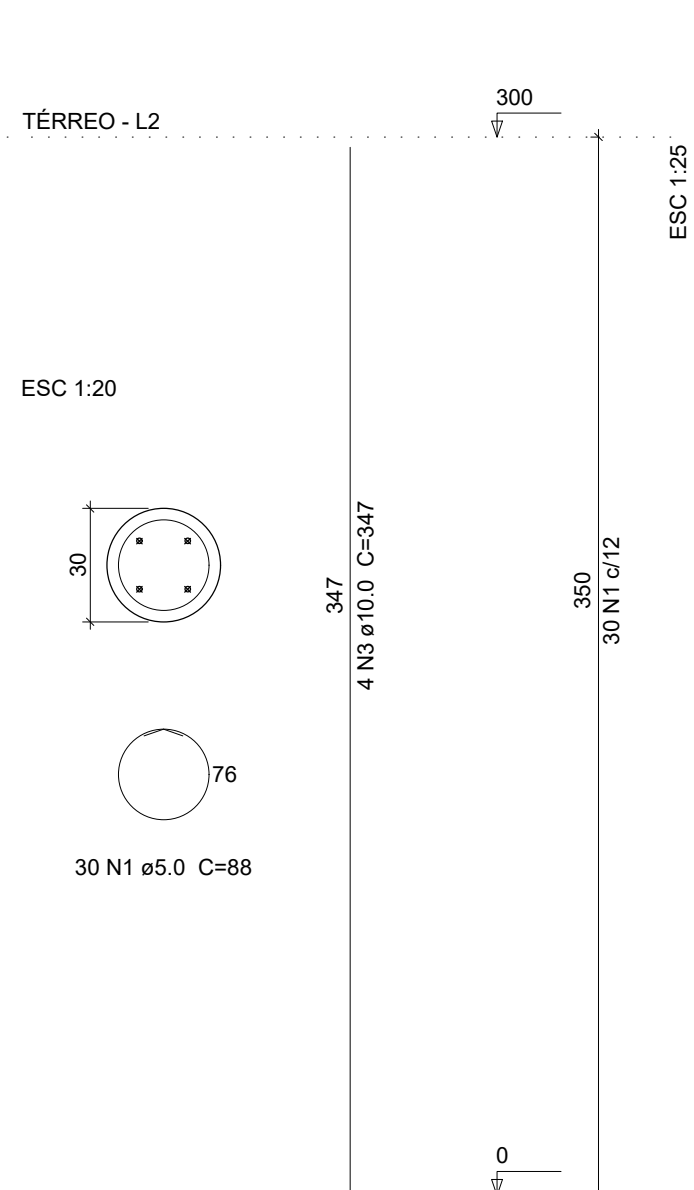
P1=P2=P6=P7



P3=P4=P5=P8=P9=P10=P11=P12



P13=P14



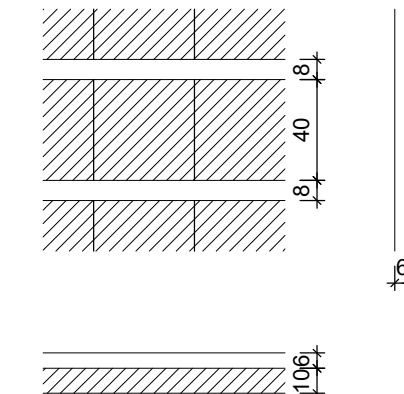
P13

D=30

P14

D=30

Detalhe 1 (esc. 1:30)



Legenda dos Pilares	
■	Pilar que morre
▨	Pilar que passa
□	Pilar que nasce
▩	Pilar com mudança de seção

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15 x 30	150	500
P2	15 x 30	150	500
P3	15 x 30	0	350
P4	15 x 30	0	350
P5	15 x 30	0	350
P6	15 x 30	150	500
P7	15 x 30	150	500
P8	15 x 30	0	350
P9	15 x 30	0	350
P10	15 x 30	0	350
P11	15 x 30	0	350
P12	15 x 30	0	350
P13	D=30	0	350
P14	D=30	0	350

Relação do aço - Pilares Baldrame

ÁÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	84	78	6552
CA50	2	10.0	56	VAR	VAR

Resumo do aço

ÁÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	76.2	51.7
CA60	5.0	66.6	11.1
PESO TOTAL			
CA50		51.7	
CA60		11.1	

Vol. de concreto total (C-25) = 0.43 m³
Área de forma total = 8.64 m²

Relação do aço - Pilares Baldrame

ÁÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	14	88	1232
CA60	2	10.0	8	VAR	VAR

Resumo do aço

ÁÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	11.1	7.5
CA60	5.0	12.3	2.1
PESO TOTAL			
CA50		51.7	
CA60		2.1	

Vol. de concreto total (C-25) = 0.11 m³
Área de forma total = 1.51 m²

Vigas			
Nome	Seção	Elevação (cm)	Nível (cm)
V1	15x30	0	300
V2	15x30	0	300
V3	15x30	0	300
V4	15x30	0	300
V5	15x30	0	300
V6	15x30	0	300
V7	15x30	0	300
V8	15x30	0	300

Blocos de enchimento				
Detalhe		Tipo		Quantidade
		Nome	Dimensões(cm) hb bx by	
1	EPS Unidirecional	B10/40/40	10 40 40	224

Características dos materiais			
fck		Ecs	
(kgf/cm²)		(kgf/cm²)	
250		238000	

Lajes						
Nome		Tipo		Dados		Sobrecarga (kgf/m²)
				Altura (cm)	Elevação (cm)	
L1	Pré-moldada	16	0	300	193	0
L2	Pré-moldada	16	0	300	193	0
L3	Pré-moldada	16	0	300	193	0
L4	Pré-moldada	16	0	300	193	0
L5	Pré-moldada	16	0	300	193	0

Relação do aço - Pilares

ÁÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	408	78	31824
CA50	2	10.0	24	497	11928
CA60	3	10.0	32	347	11104

Resumo do aço

ÁÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	230.4	156.2
CA60	5.0	318.3	54
PESO TOTAL			
CA50		156.2	
CA60		54	

Vol. de concreto total (C-25) = 2.16 m³
Área de forma total = 43.2 m²

Relação do aço - Pilares

ÁÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	60	88	5280
CA50	3	10.0	8	347	2776

Resumo do aço

ÁÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	27.8	18.9
CA60	5.0	52.8	8.9
PESO TOTAL			
CA50		18.9	
CA60		8.9	

Vol. de concreto total (C-25) = 0.50 m³
Área de forma total = 6.60 m²