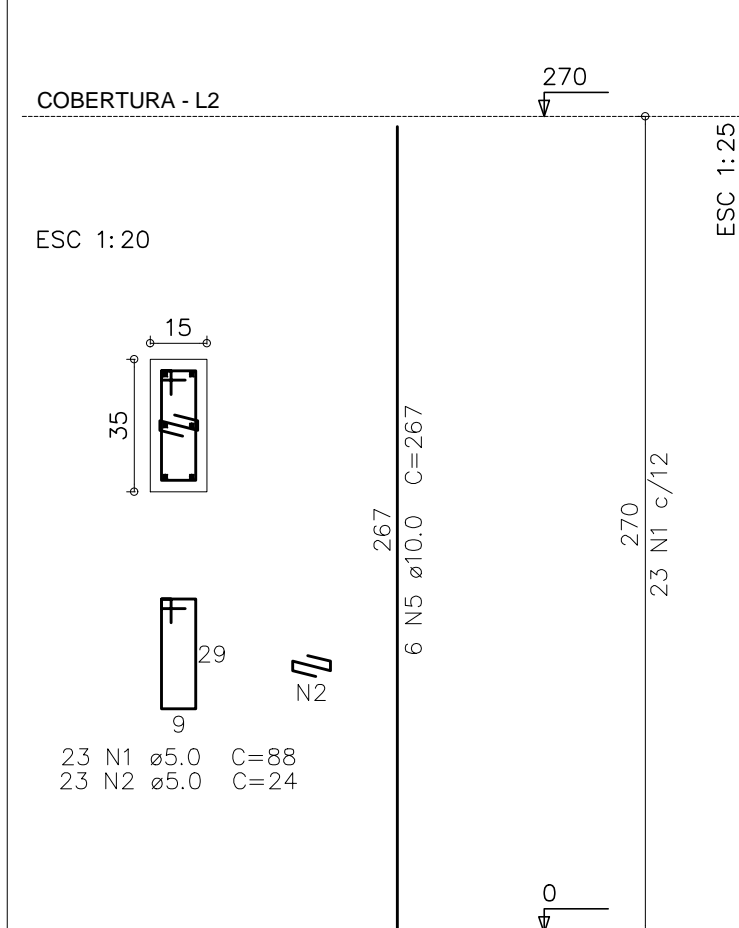
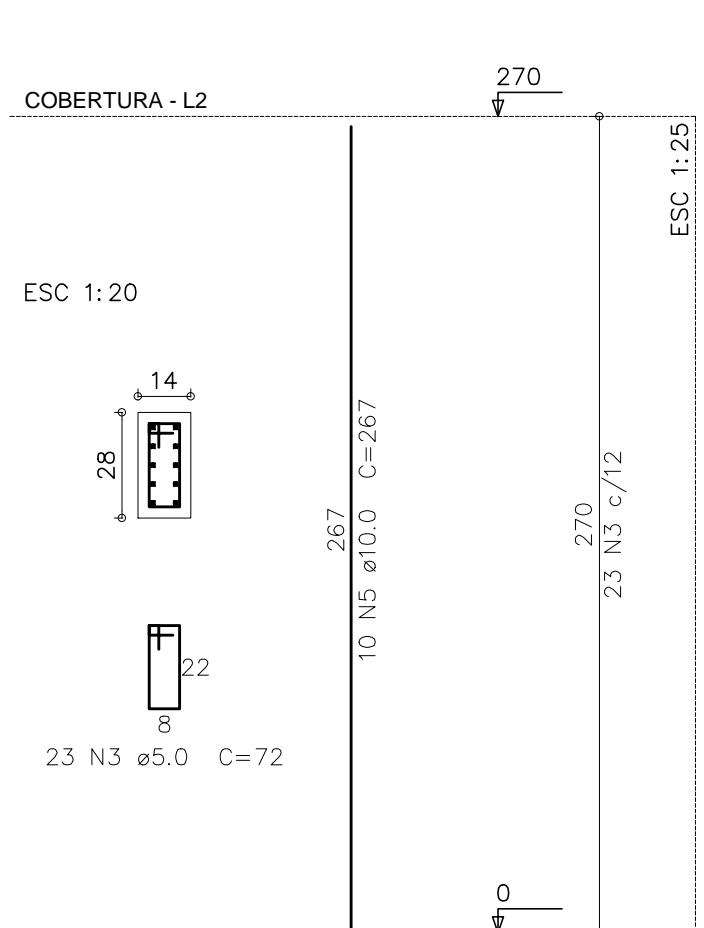


# ARMAÇÃO DOS PILARES

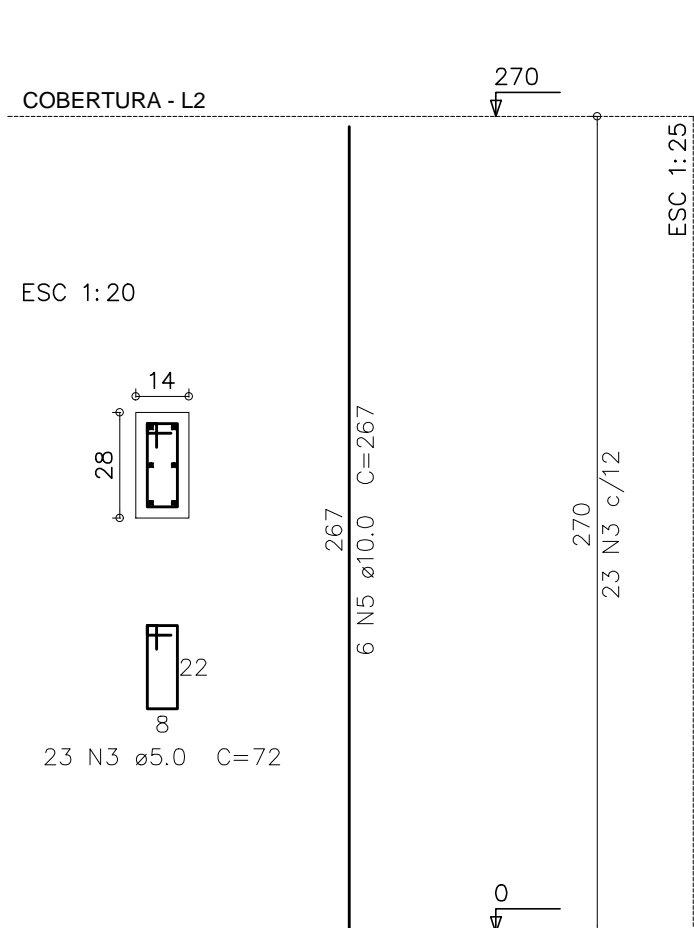
P1=P2



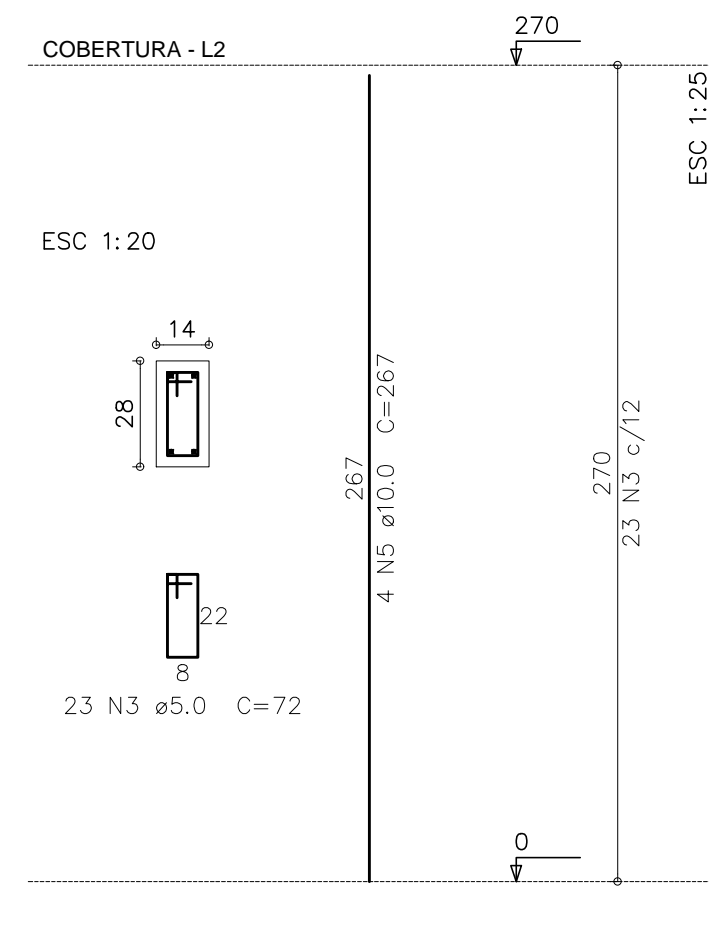
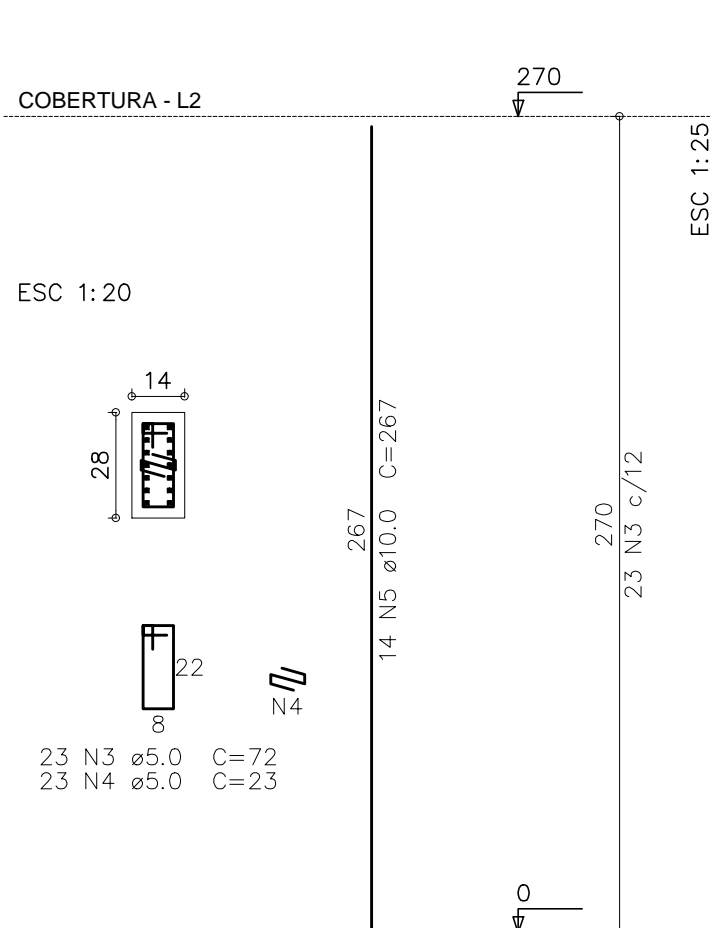
P17



P20=P24=P28



P22=P23



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	46	88	4048
CA60	2	5,0	46	24	1104
CA60	3	5,0	598	72	43056
CA60	4	5,0	46	23	1058
CA50	5	10,0	148	267	39516

Resumo do aço

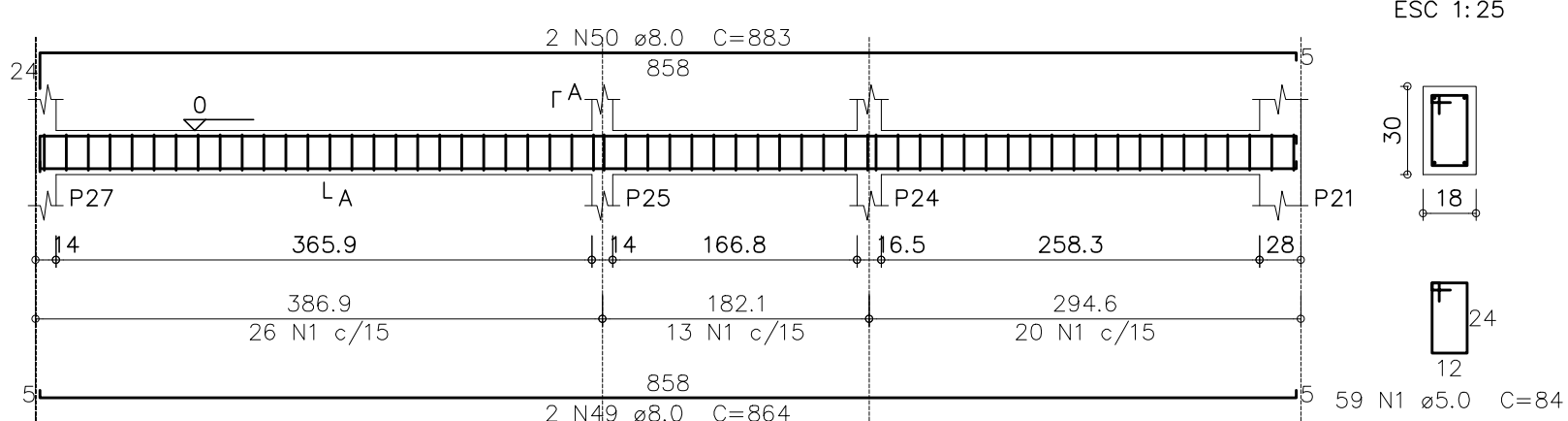
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	10,0	395,2	33	243,6
CA60	5,0	492,7	33	243,6
PESO TOTAL (kg)				75,9
CA50		243,6		
CA60		75,9		

Volume de concreto (C-25) = 3,04 m³

Área de forma = 64,37 m²

VB124 (18 x 30)

ESC 1:50

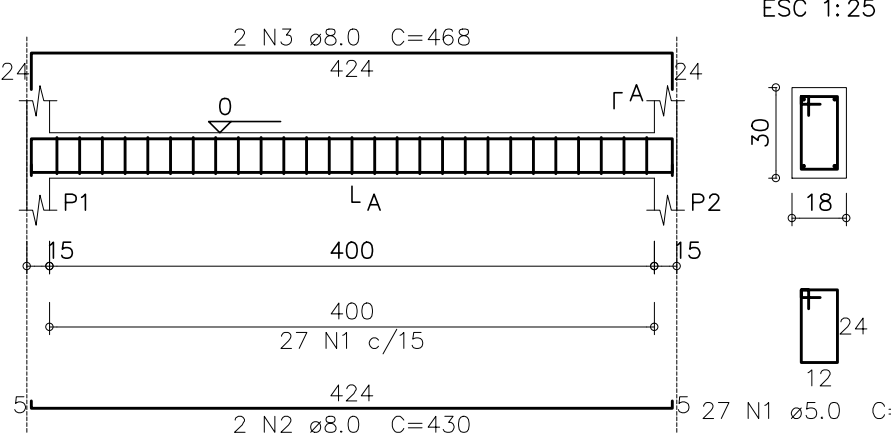


SEÇÃO A-A

ESC 1:25

VB101 (18 x 30)

ESC 1:50

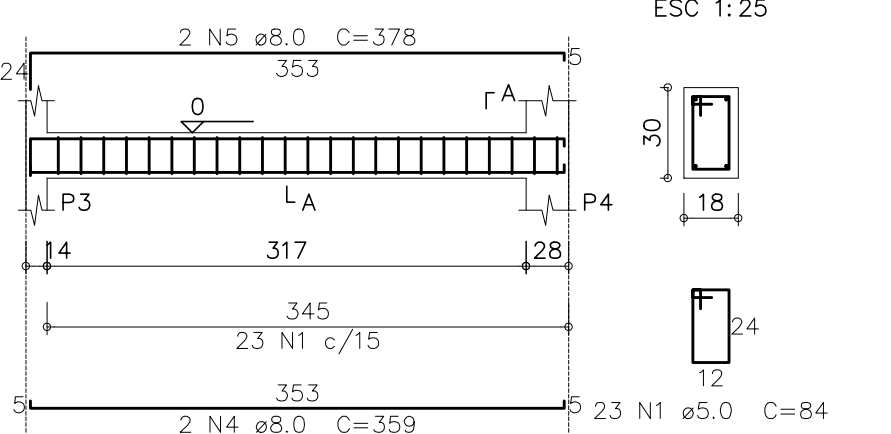


SEÇÃO A-A

ESC 1:25

VB102 (18 x 30)

ESC 1:50

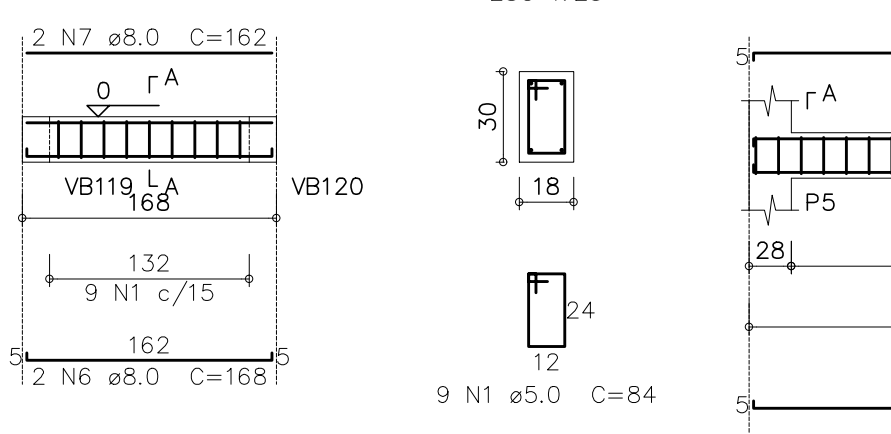


SEÇÃO A-A

ESC 1:25

VB103 (18 x 30)

ESC 1:50

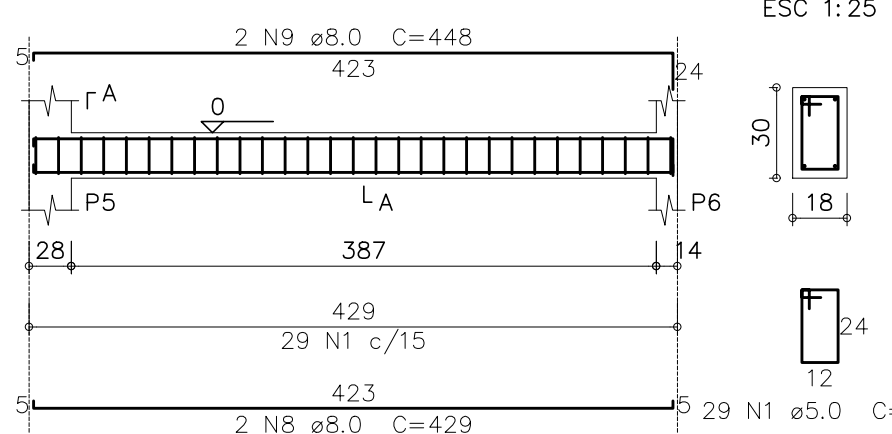


SEÇÃO A-A

ESC 1:25

VB104 (18 x 30)

ESC 1:50

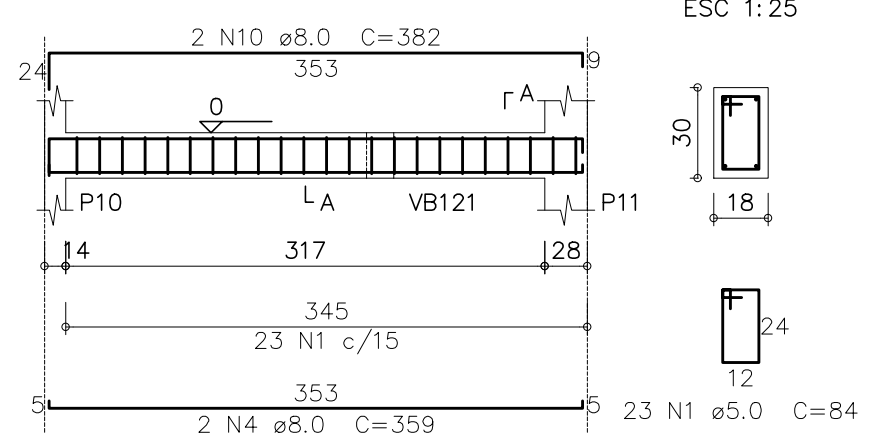


SEÇÃO A-A

ESC 1:25

VB105 (18 x 30)

ESC 1:50

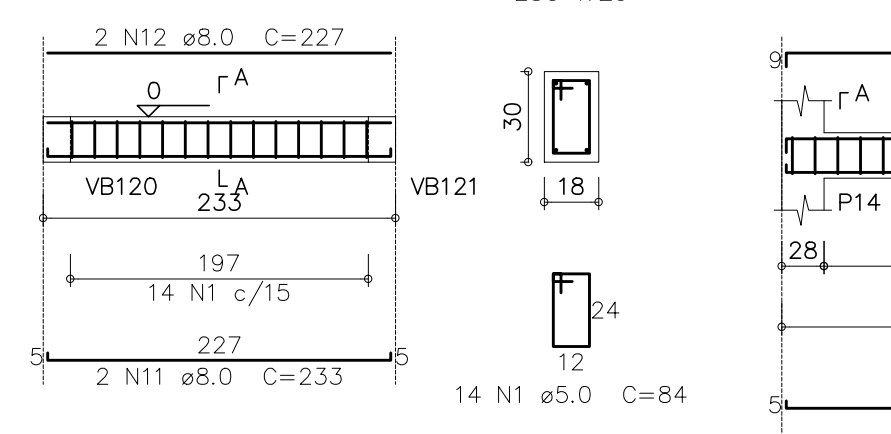


SEÇÃO A-A

ESC 1:25

VB106 (18 x 30)

ESC 1:50

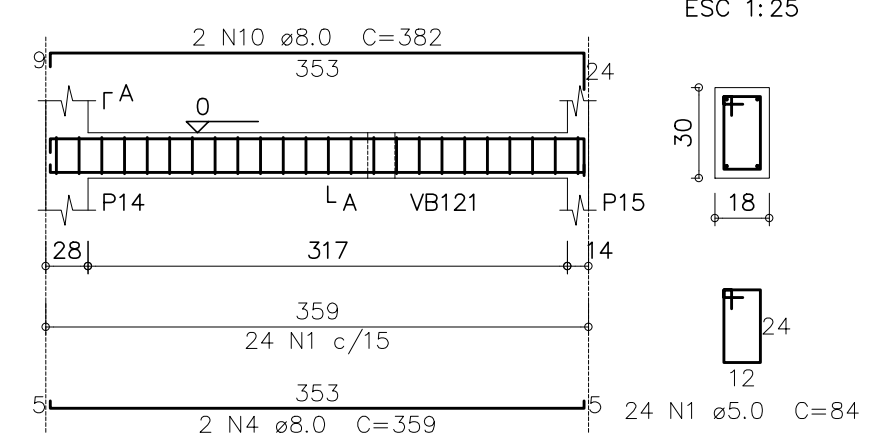


SEÇÃO A-A

ESC 1:25

VB107 (18 x 30)

ESC 1:50

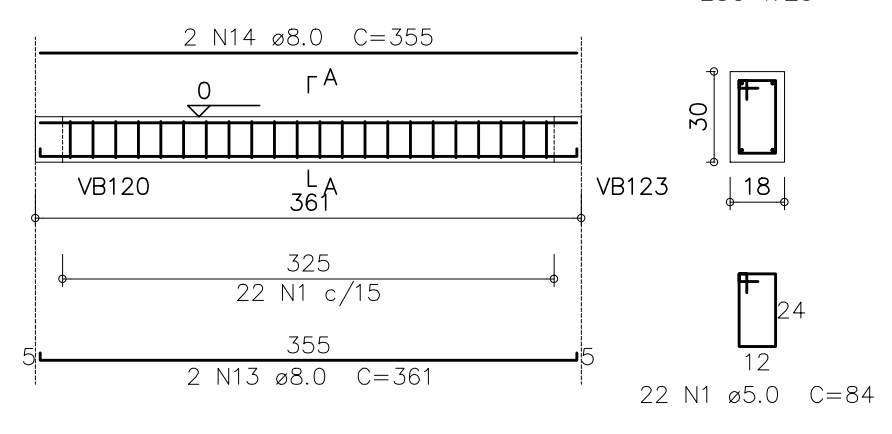


SEÇÃO A-A

ESC 1:25

VB108 (18 x 30)

ESC 1:50

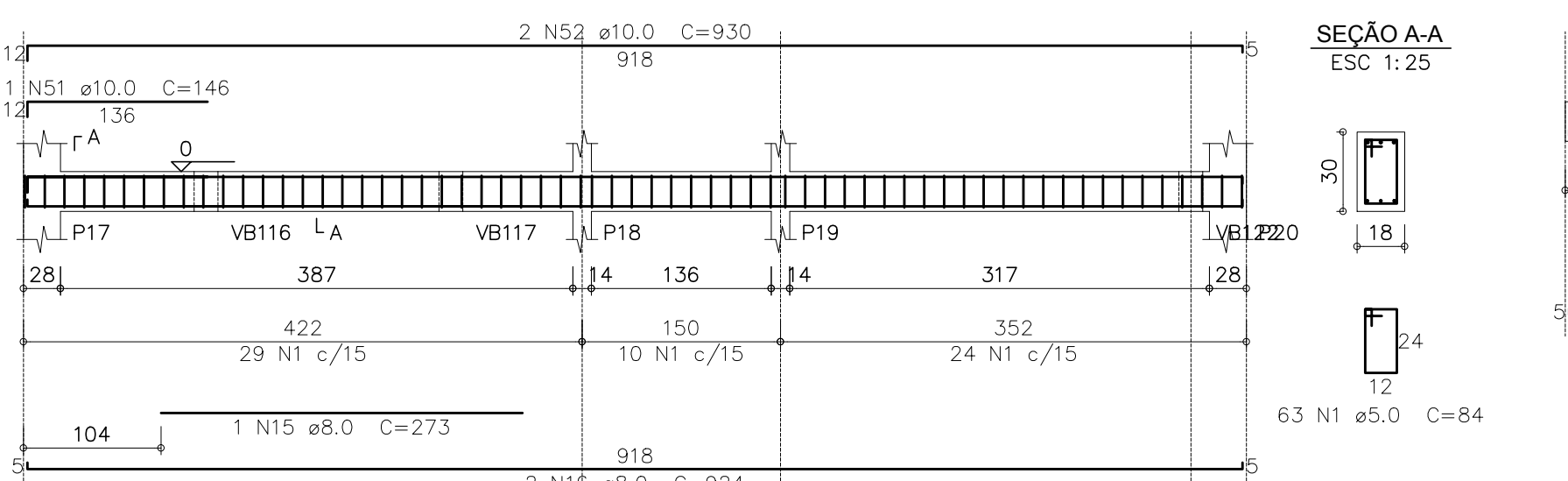


SEÇÃO A-A

ESC 1:25

VB109 (18 x 30)

ESC 1:50

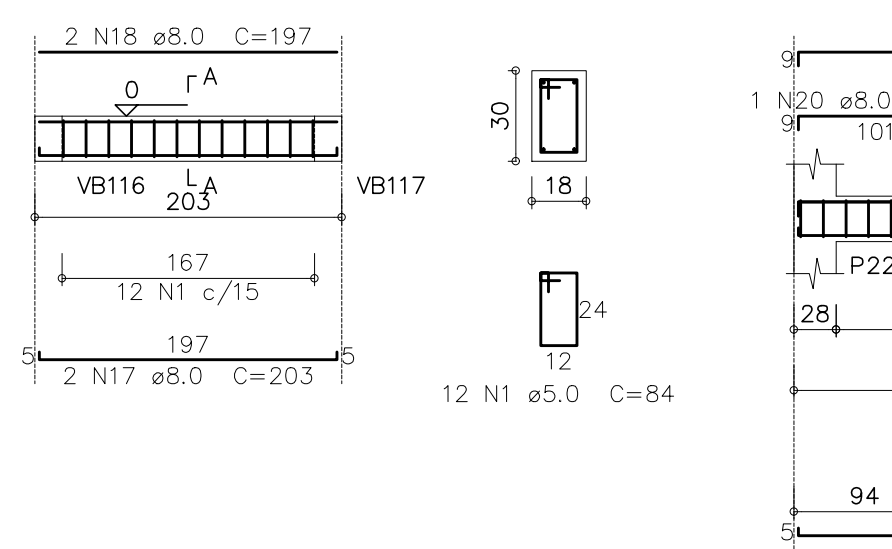


SEÇÃO A-A

ESC 1:25

VB110 (18 x 30)

ESC 1:50

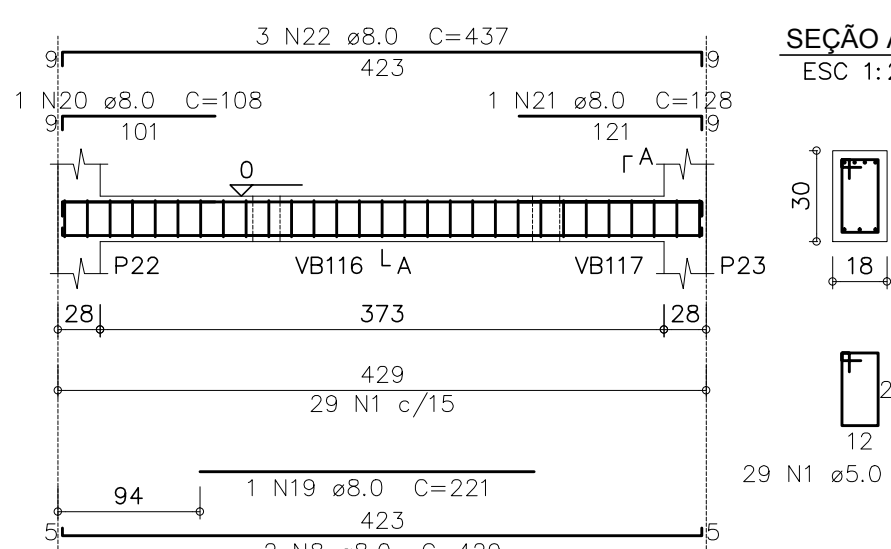


SEÇÃO A-A

ESC 1:25

VB111 (18 x 30)

ESC 1:50

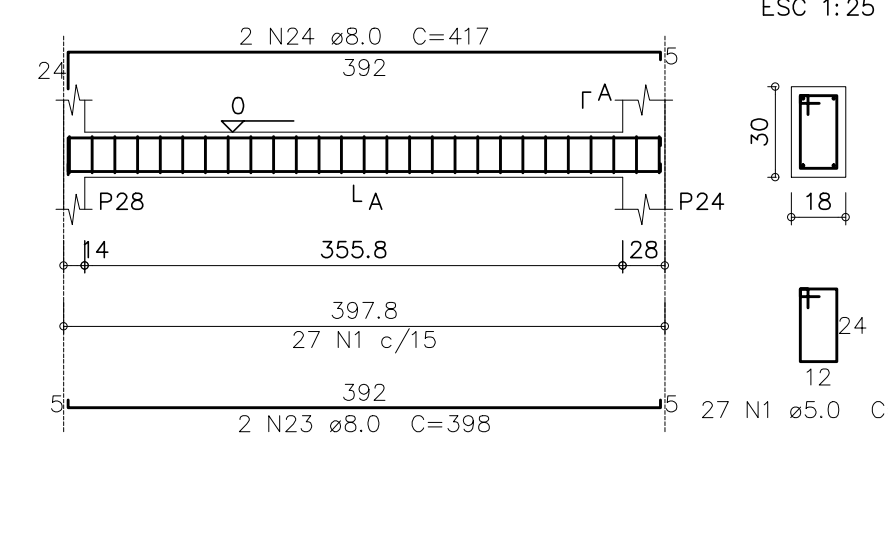


SEÇÃO A-A

ESC 1:25

VB112 (18 x 30)

ESC 1:50

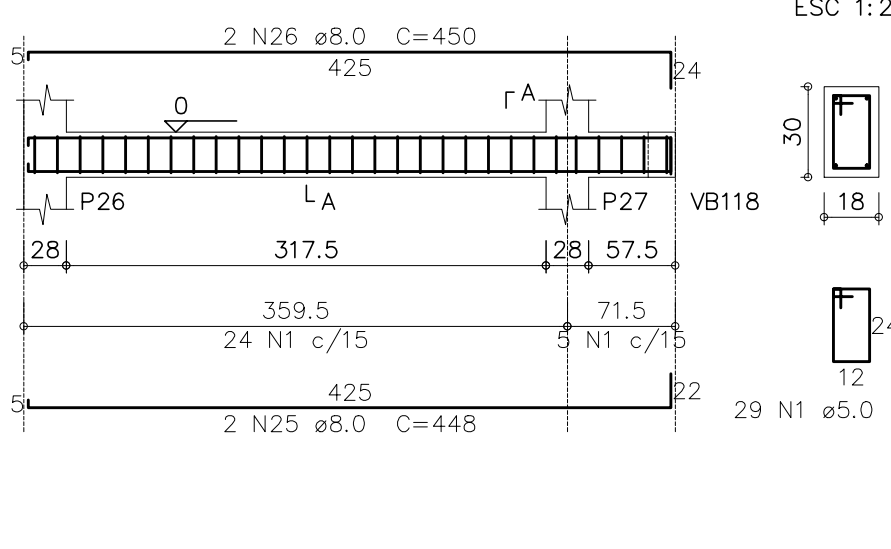


SEÇÃO A-A

ESC 1:25

VB113 (18 x 30)

ESC 1:50

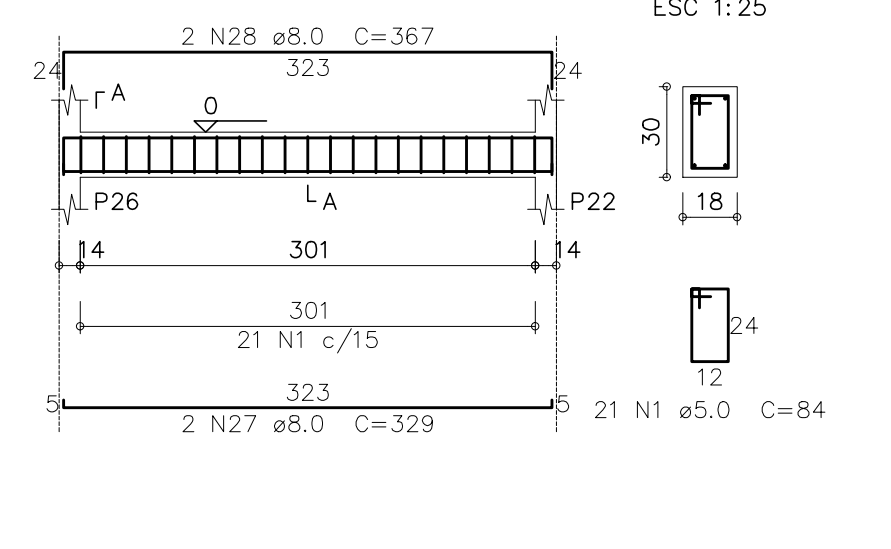


SEÇÃO A-A

ESC 1:25

VB114 (18 x 30)

ESC 1:50

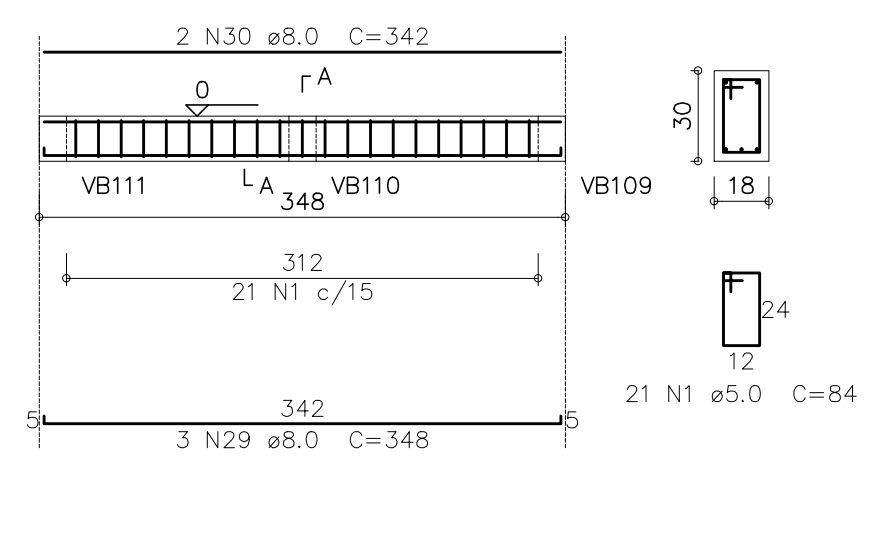


SEÇÃO A-A

ESC 1:25

VB116 (18 x 30)

ESC 1:50

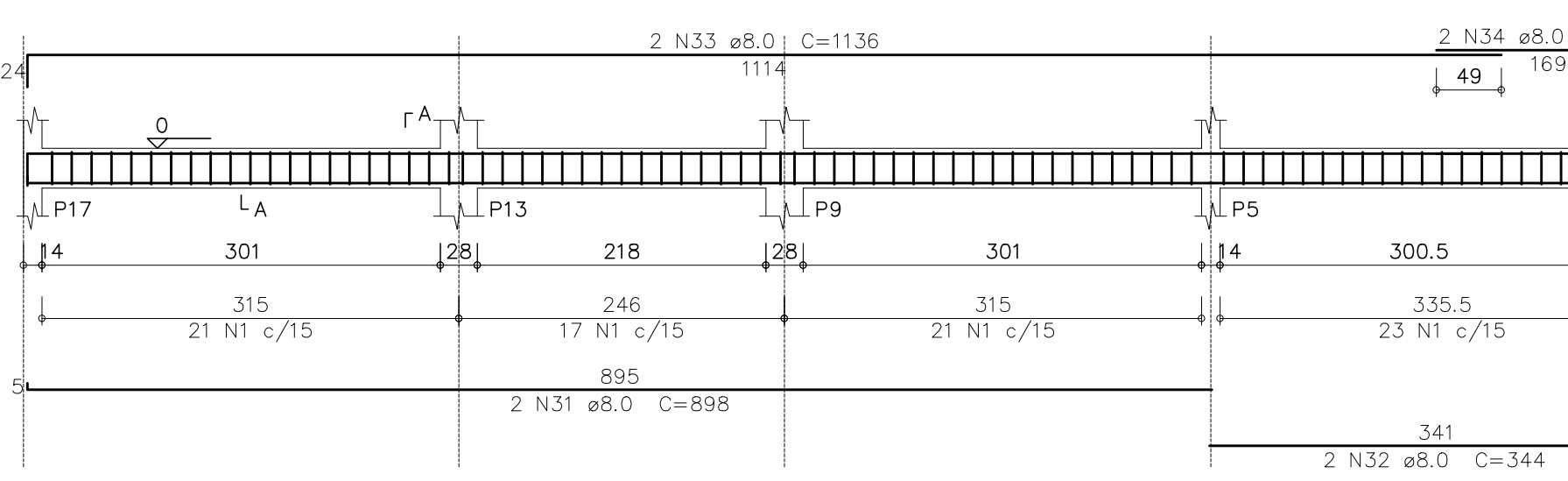


SEÇÃO A-A

ESC 1:25

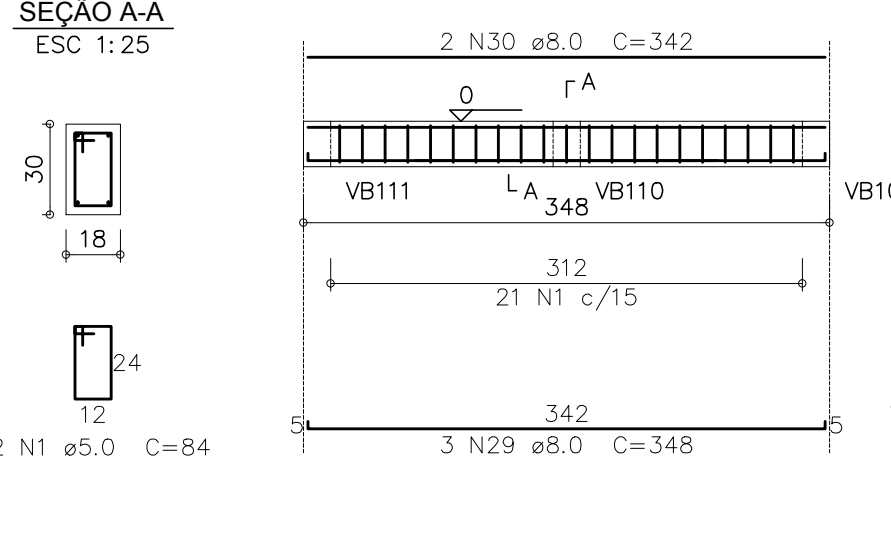
VB115 (18 x 30)

ESC 1:50



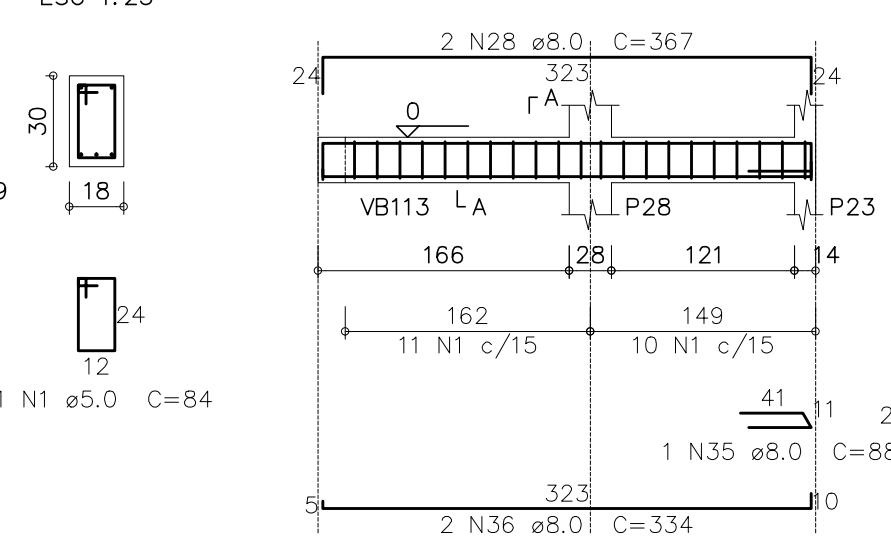
VB117 (18 x 30)

ESC 1:50



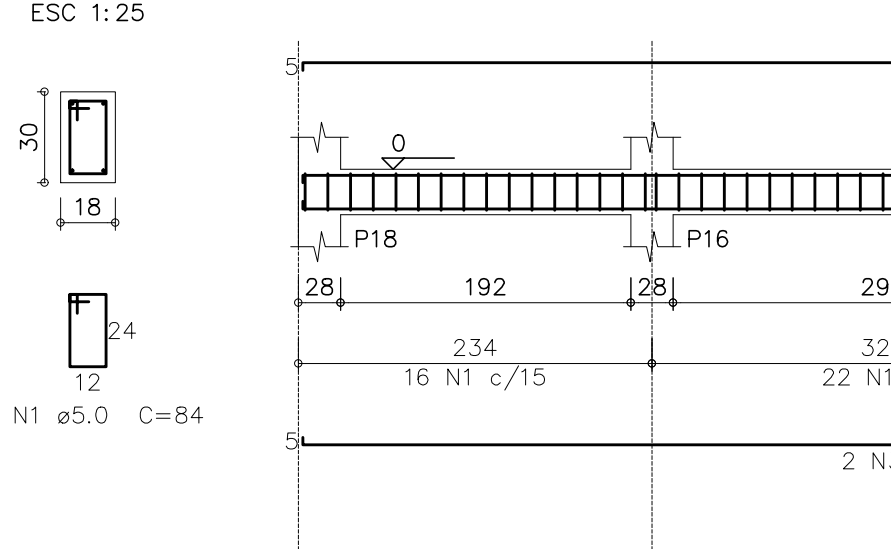
VB118 (18 x 30)

ESC 1:50



VB119 (18 x 30)

ESC 1:50

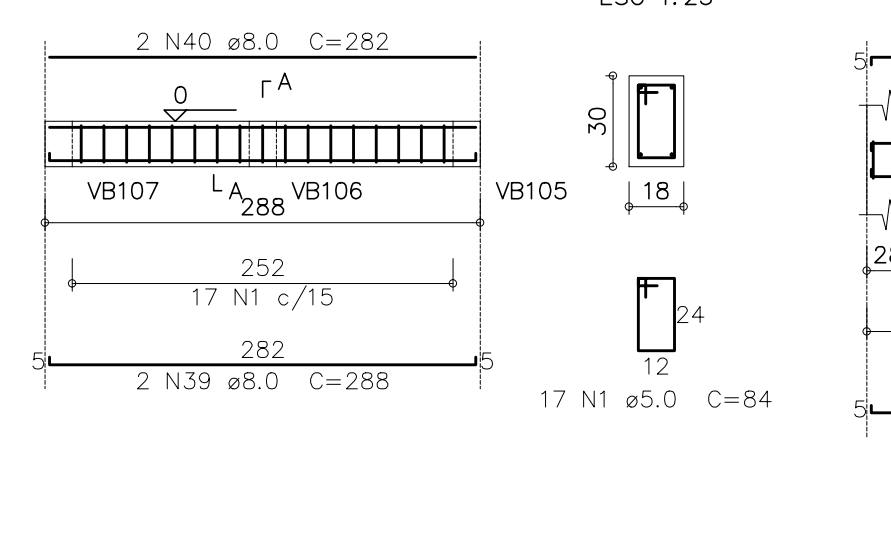


SEÇÃO A-A

ESC 1:25

VB121 (18 x 30)

ESC 1:50

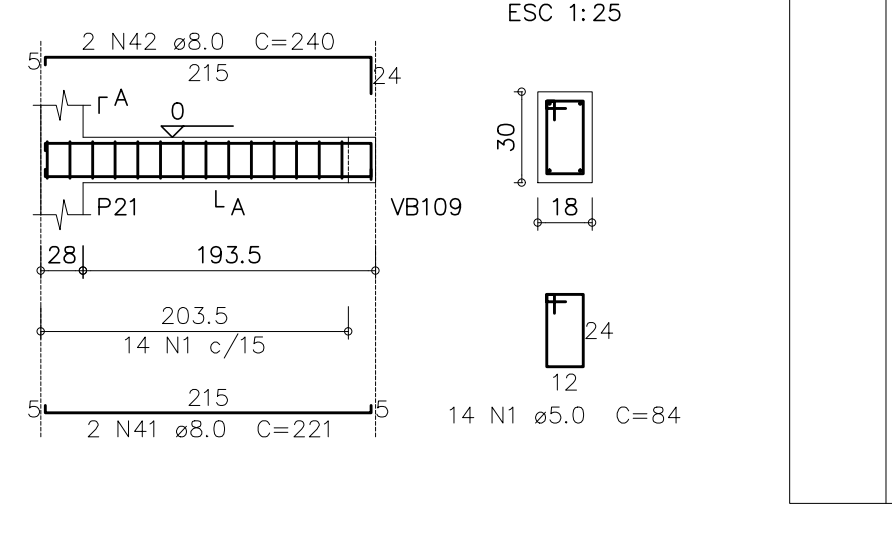


SEÇÃO A-A

ESC 1:25

VB122 (18 x 30)

ESC 1:50

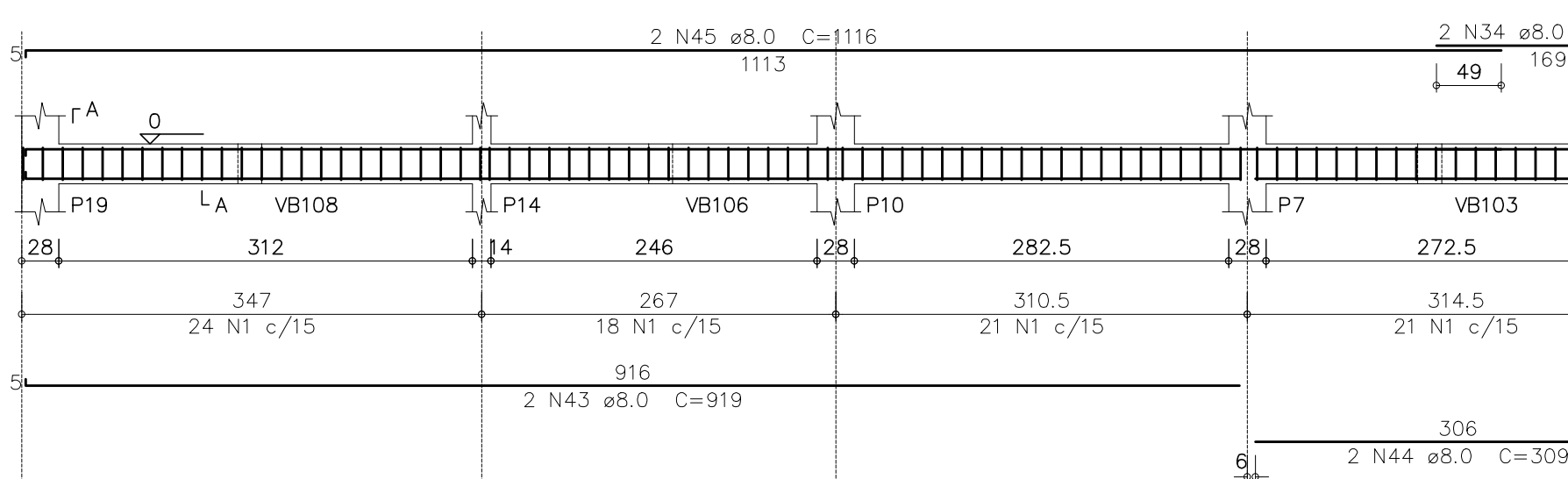


SEÇÃO A-A

ESC 1:25

VB120 (18 x 30)

ESC 1:50

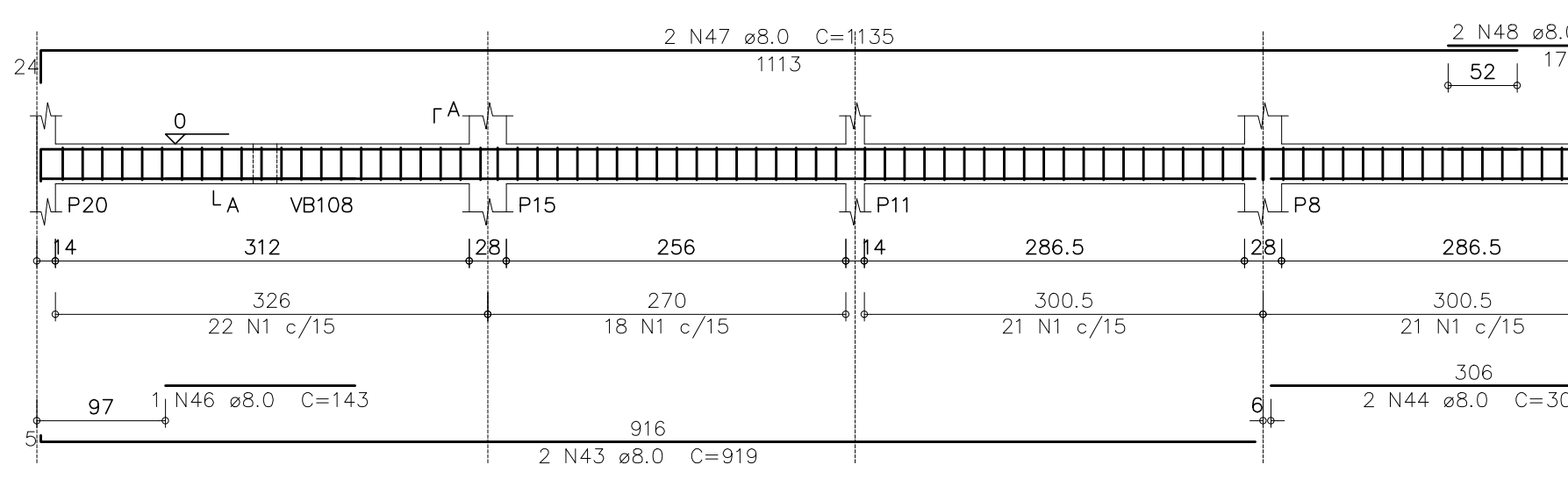


SEÇÃO A-A

ESC 1:25

VB123 (18 x 30)

ESC 1:50



SEÇÃO A-A

ESC 1:25

Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	838	84	70392
CA50	2	8,0	2	430	860
	3	8,0	2	468	936
	4	8,0	6	359	2154
	5	8,0	2	378	756
	6	8,0	2	168	336
	7	8,0	2	162	324
	8	8,0	4	429	1716
	9	8,0	2	448	896
	10	8,0	4	382	1528
	11	8,0	2	233	466
	12	8,0	2	227	454
	13	8,0	2	361	722
	14	8,0	2	355	710
	15	8,0	1	273	546
	16	8,0	2	924	1848
	17	8,0	2	203	406
	18	8,0	2	197	394
	19	8,0	1	221	221
	20	8,0	1	108	108
	21	8,0	1	128	128
	22	8,0	3	437	1311
	23	8,0	2	398	796
	24	8,0	2	417	834
	25	8,0	2	440	880
	26	8,0	2	450	900
	27	8,0	2	529	1058
	28	8,0	4	367	1468
	29	8,0	6	348	2088
	30	8,0	4	342	1368
	31	8,0	2	898	1796
	32	8,0	4	344	1376
	33	8,0	2	1136	2272
	34	8,0	6	172	1032
	35	8,0	1	88	88
	36	8,0	2	334	668
	37	8,0	2	884	1768
	38	8,0	2	1117	2234
	39	8,0	2	285	570
	40	8,0	2	282	564
	41	8,0	2	221	442
	42	8,0	2	240	480
	43	8,0	4	919	3676
	44	8,0	4	309	1236
	45	8,0	2	1116	2232
	46	8,0	1	143	143
	47	8,0	2	1355	2710
	48	8,0	2	194	388
	49	8,0	2	864	1728
	50	8,0	2	883	1766
	51	10,0	1	146	146
	52	10,0	2	930	1860

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	8,0	522,9	44	206,3
CA60	10,0	201	2	12,4
CA60	5,0	704	33	108,5
PESO TOTAL (kg)				327,2
CA50		218,7		
CA60		108,5		

Volume de concreto (C-25) = 6,20 m³

Área de forma = 99,56 m²

ESPECIFICAÇÕES DO CONCRETO DA ESTRUTURA

CLASSE DE AGRESSIVIDADE II – AMBIENTE URBANO

NBR 6118:2014, NBR 6122:2010 e NBR 12655:2006

DIMENSÃO MÁXIMA DO AGREGADO GRADADO: 25mm

CONCRETO USINADO fck 25MPa

ESPECIFICAÇÕES COMPLEMENTARES

SECRETARIA MUNICIPAL DE PLANEJAMENTO

PROP. PREFEITURA MUNICIPAL DE PATOS DE MINAS

DESENHO RODRIGO COPIA LEVANT/TOGP

ESCALA CENTIMETROS DATA MAR/2015

INSCRIÇÃO CADASTRAL

CRAS  
CENTRO DE REFERÊNCIA DE  
ASSISTENCIA SOCIAL

LOCAL BAIRRO JARDIM PANORAMICO

PROJETO ESTRUTURAL

VIGAS COBERTURA

ARQUIVO

FOLHA

02/03

