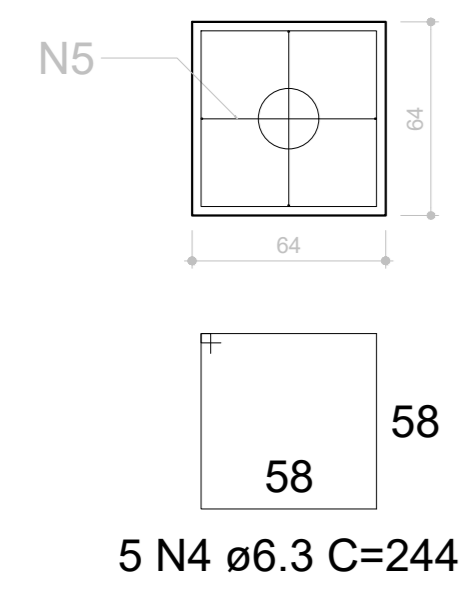
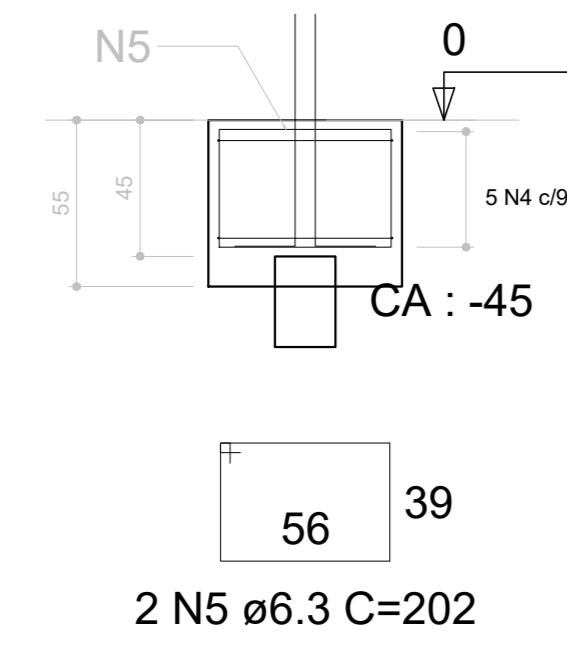


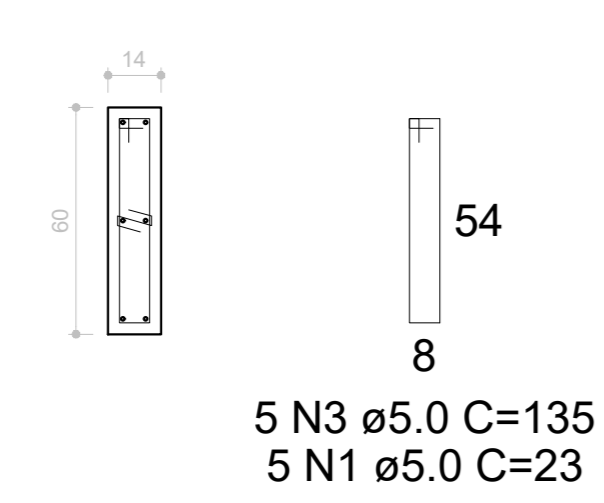
B50
1xC20
PLANTA
ESC 1:25



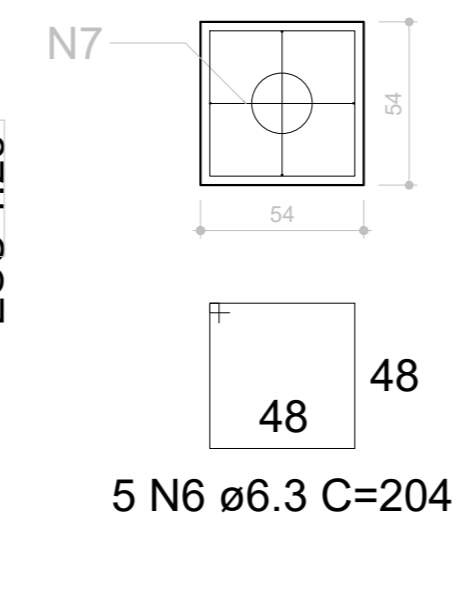
CORTE
ESC 1:25



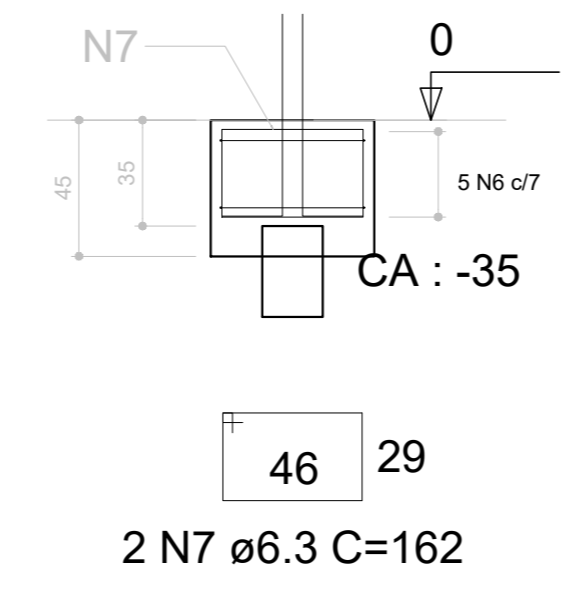
P50
BALDRAME - L1
ESC 1:20



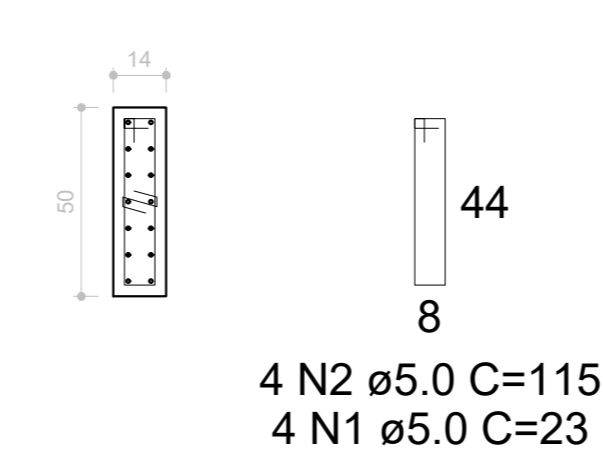
B47=B53
1xC20
PLANTA
ESC 1:25



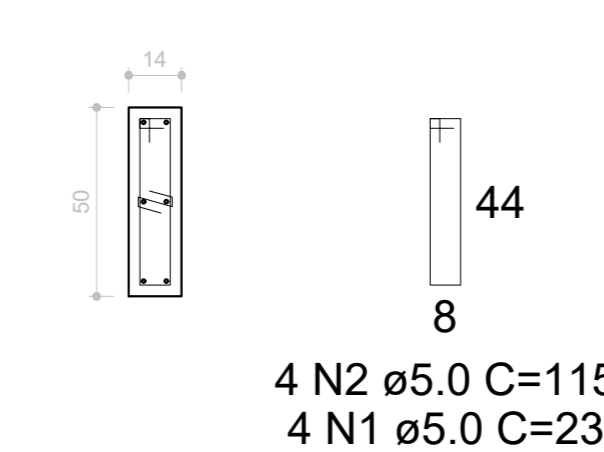
CORTE
ESC 1:25



P47
BALDRAME - L1
ESC 1:20



P53
BALDRAME - L1
ESC 1:20



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	13	23	299
	2	5.0	8	115	920
	3	5.0	5	135	675
CA50	4	6.3	5	244	1220
	5	6.3	2	202	404
	6	6.3	10	204	2040
	7	6.3	4	162	648
	8	10.0	8	40	320
	9	10.0	12	70	840
	10	10.0	6	80	480

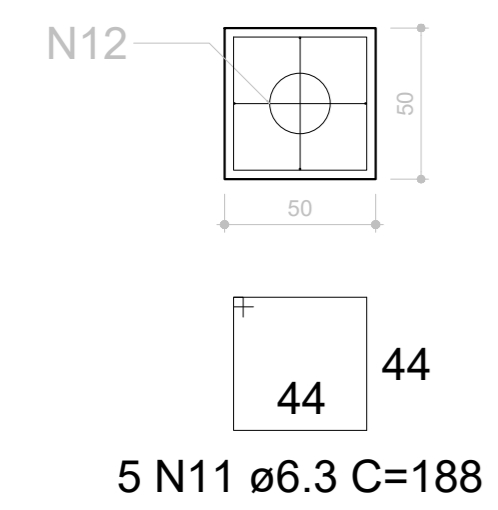
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	43.1	11.6
CA60	5.0	16.4	11.1
PESO TOTAL (kg)			
CA50		22.7	
CA60		3.2	

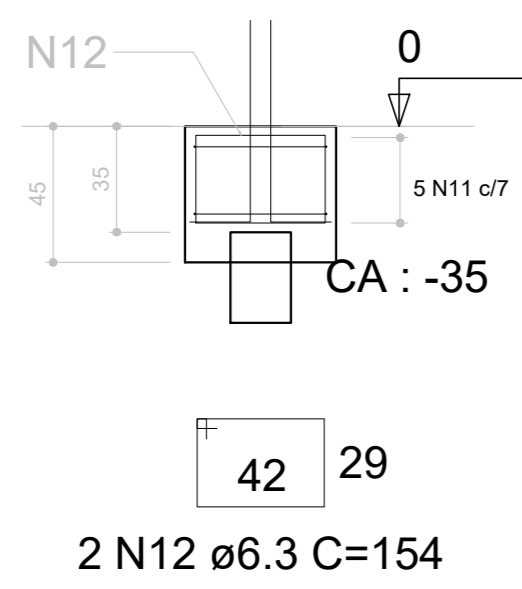
Volume de concreto (C-25) = 0.57 m³
Área de forma = 4.91 m²

B1=B2=B3=B4=B5=B6=B7=B8=B9=B10=B11=B12
=B13=B14=B15=B16=B17=B18=B19=B20=B21
=B22=B23=B24=B25=B26=B27=B28=B29=B30
=B31=B32=B33=B34=B35=B36=B37=B38=B39
=B40=B41=B42=B43=B44=B45=B46=B48=B49
=B51=B52=B54=B55=B56=B57=B58=B59=B60
=B61=B62=B63=B64=B65=B66=B67=B68=B69

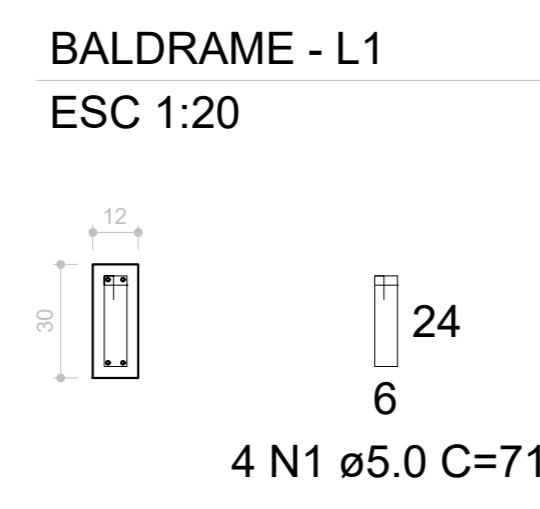
B1
1xC20
PLANTA
ESC 1:25



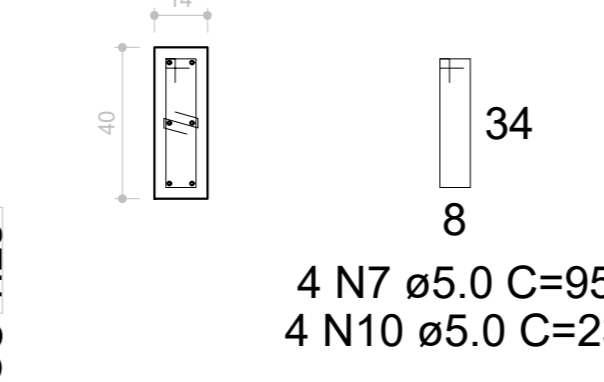
CORTE
ESC 1:25



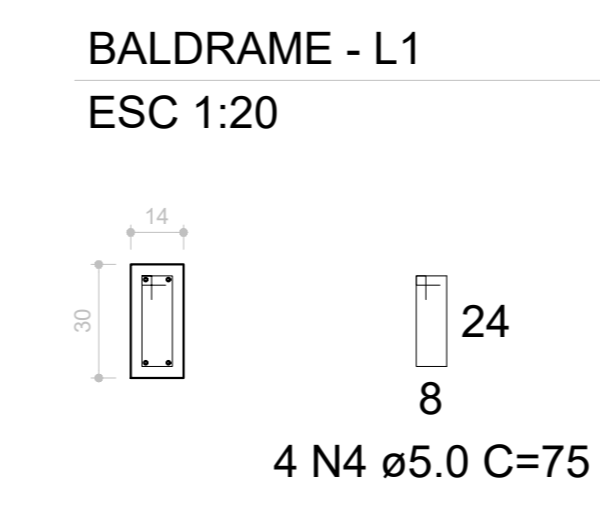
P1=P2=P6=P8=P12=P13=P16=
=P21=P22=P26=P27=P28=P30=
=P31=P32=P33=P35=P37=P38=
=P43=P44=P45=P49=P55=P60



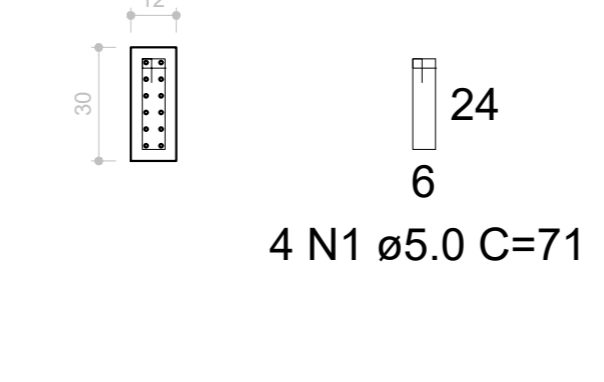
P52=P57
BALDRAME - L1
ESC 1:20



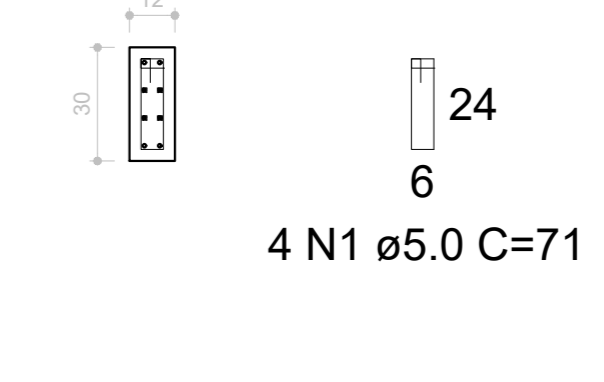
P9=P10=P14=P15=P17=P18=P23=
=P29=P36=P39=P40=P46=P54=
=P56=P58=P59=P61=P62=P63=
=P64=P65=P66=P67=P68=P69



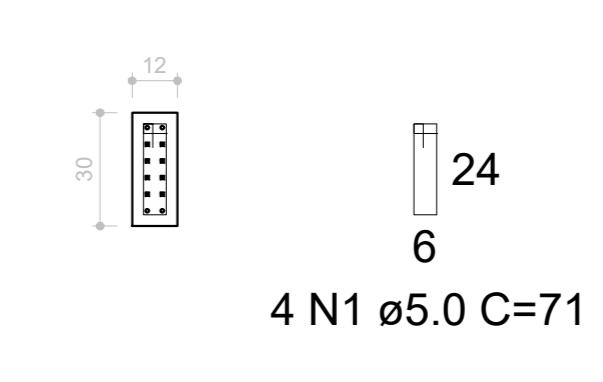
P11
BALDRAME - L1
ESC 1:20



P19=P24
BALDRAME - L1
ESC 1:20



P25
BALDRAME - L1
ESC 1:20



RELAÇÃO DO AÇO

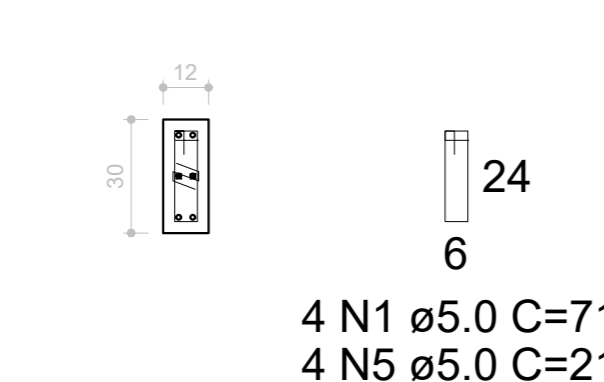
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	
CA60	1	5.0	140	71	9940	
	2	5.0	12	21	252	
	3	5.0	8	91	728	
	4	5.0	104	75	7800	
	5	5.0	4	21	84	
	6	5.0	4	23	92	
	7	5.0	12	95	1140	
	8	5.0	4	24	96	
	9	5.0	4	97	388	
	10	5.0	8	23	184	
	CA50	11	6.3	335	188	62980
		12	6.3	134	154	20636
		13	10.0	278	70	19460
		14	10.0	16	40	640
		15	10.0	18	47	846
		16	12.5	2	46	92
		17	12.5	4	69	276
		18	12.5	12	40	480
		19	16.0	6	68	408

RESUMO DO AÇO

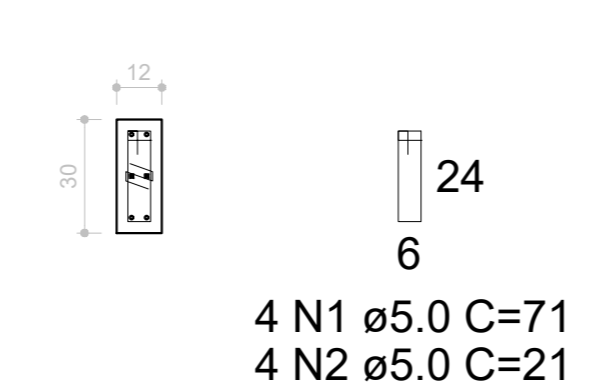
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	836.2	225.1
	10.0	209.5	142.1
	12.5	8.5	9
	16.0	4.1	7.1
CA60	5.0	207	35.1
PESO TOTAL (kg)			
CA50		383.2	
CA60		35.1	

Volume de concreto (C-25) = 8.26 m³
Área de forma = 80.84 m²

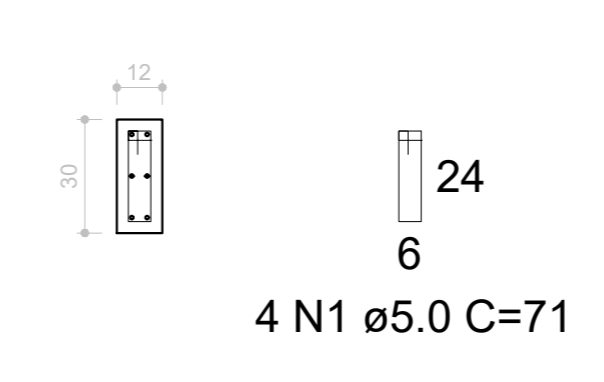
P34
BALDRAME - L1
ESC 1:20



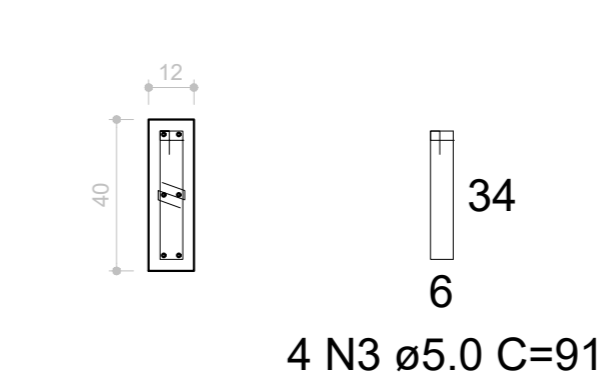
P41
BALDRAME - L1
ESC 1:20



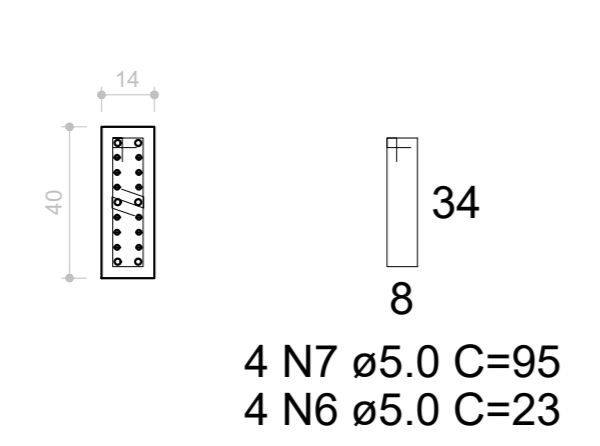
P20=P42
BALDRAME - L1
ESC 1:20



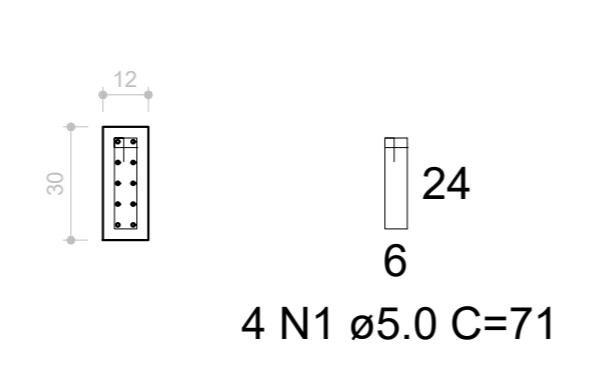
P3=P4
BALDRAME - L1
ESC 1:20



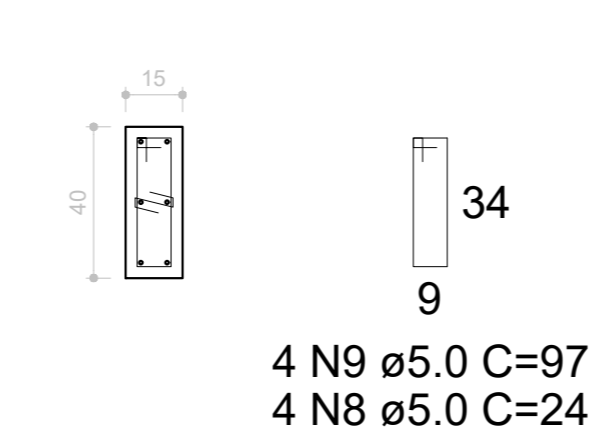
P48
BALDRAME - L1
ESC 1:20



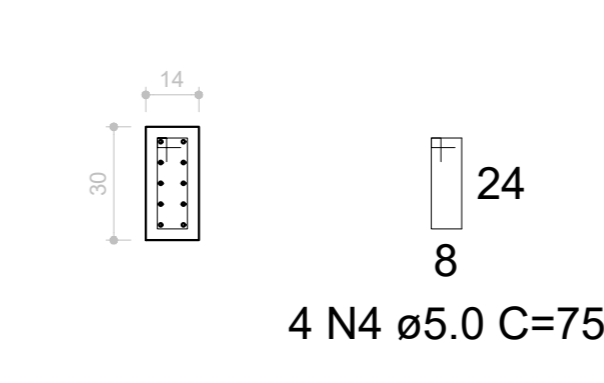
P5
BALDRAME - L1
ESC 1:20




P51
BALDRAME - L1
ESC 1:20



P7
BALDRAME - L1
ESC 1:20



ESTRUTURAL



OBRA: CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO
ENDEREÇO: R. JOÃO GONÇALVES, QD. DRM. LT. 01, SETOR FUMAL, LUZIÂNIA-GO

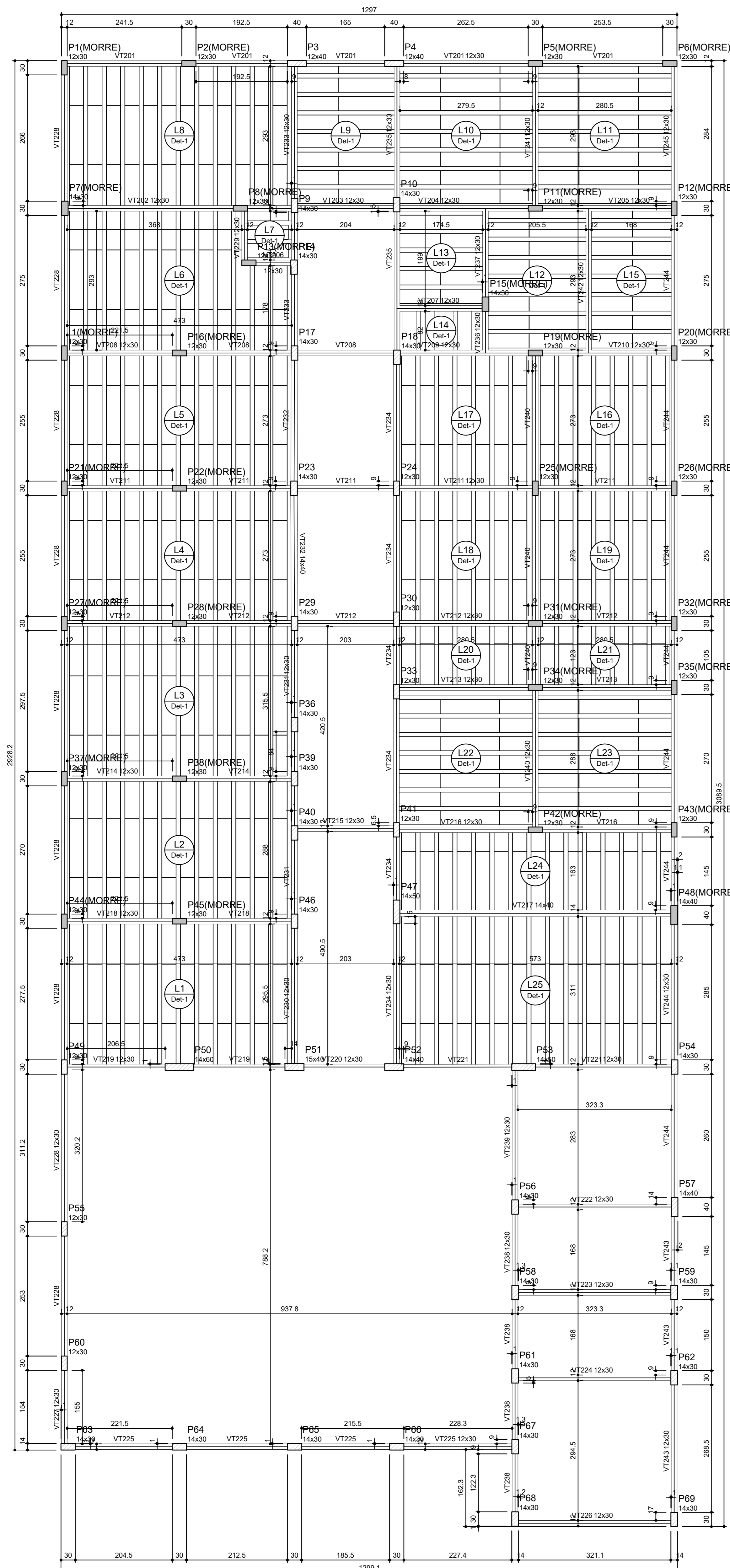
PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA

AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

DISSERTAÇÃO AUTORA DESTA PROPOSTA PERTENCEM AOS PROFISSIONAIS ADMITIDOS. É PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME A LEI 5.988 ART. 25.

FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
OUTROS:	



Forma do pavimento TÉRREO (Nível 300)
escala 1:50

Vigas			
Nome	Seção	Elevação (cm)	Nível (cm)
VT201	12x30	0	300
VT202	12x30	0	300
VT203	12x30	0	300
VT204	12x30	0	300
VT205	12x30	0	300
VT206	12x30	0	300
VT207	12x30	0	300
VT208	12x30	0	300
VT209	12x30	0	300
VT210	12x30	0	300
VT211	12x30	0	300
VT212	12x30	0	300
VT213	12x30	0	300
VT214	12x30	0	300
VT215	12x30	0	300
VT216	12x30	0	300
VT217	14x40	0	300
VT218	12x30	0	300
VT219	12x30	0	300
VT220	12x30	0	300
VT221	12x30	0	300
VT222	12x30	0	300
VT223	12x30	0	300
VT224	12x30	0	300
VT225	12x30	0	300
VT226	12x30	0	300
VT227	12x30	0	300
VT228	12x30	0	300
VT229	12x30	0	300
VT230	12x30	0	300
VT231	12x30	0	300
VT232	14x40	0	300
VT233	12x30	0	300
VT234	12x30	0	300
VT235	12x30	0	300
VT236	12x30	0	300
VT237	12x30	0	300
VT238	12x30	0	300
VT239	12x30	0	300
VT240	12x30	0	300
VT241	12x30	0	300
VT242	12x30	0	300
VT243	12x30	0	300
VT244	12x30	0	300
VT245	12x30	0	300

Blocos de enchimento						
Detalhe	Tipo	Nome	Dimensões (cm)			Quantidade
			hb	bx	by	
1	EPS Unidirecional	B8/30/125	8	30	125	587

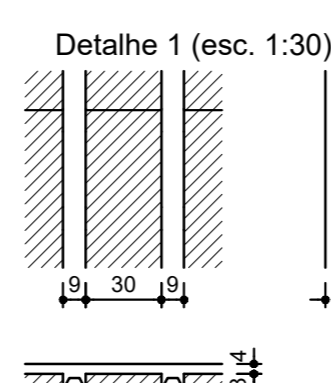
Lajes						
Nome	Tipo	Dados	Sobrecarga (kg/m²)		Adicional	Accidental
			Elevação (cm)	Nível (cm)		
L1	Pré-moldada	12	0	300	100	200
L2	Pré-moldada	12	0	300	100	200
L3	Pré-moldada	12	0	300	100	200
L4	Pré-moldada	12	0	300	100	200
L5	Pré-moldada	12	0	300	100	200
L6	Pré-moldada	12	0	300	100	200
L7	Pré-moldada	12	0	300	100	200
L8	Pré-moldada	12	0	300	100	200
L9	Pré-moldada	12	0	300	100	200
L10	Pré-moldada	12	0	300	100	200
L11	Pré-moldada	12	0	300	100	200
L12	Pré-moldada	12	0	300	100	200
L13	Pré-moldada	12	0	300	100	200
L14	Pré-moldada	12	0	300	100	200
L15	Pré-moldada	12	0	300	100	200
L16	Pré-moldada	12	0	300	100	200
L17	Pré-moldada	12	0	300	100	200
L18	Pré-moldada	12	0	300	100	200
L19	Pré-moldada	12	0	300	100	200
L20	Pré-moldada	12	0	300	100	200
L21	Pré-moldada	12	0	300	100	200
L22	Pré-moldada	12	0	300	100	200
L23	Pré-moldada	12	0	300	100	200
L24	Pré-moldada	12	0	300	100	200
L25	Pré-moldada	12	0	300	100	200

Área de lajes			
Tipo	Altura (cm)	Bloco de Enchimento	Área (m²)
Pré-moldada	12	B8/30/125	214,82

Características dos materiais	
fca (kgf/cm²)	Ecs (kgf/cm²)
250	24.1500

Pilares			
Nome	Seção	Elevação (cm)	Nível (cm)
1	12x30	0	300
P1	12x30	0	300
P2	12x30	0	300
P3	12x40	0	300
P4	12x40	0	300
P5	12x30	0	300
P6	12x30	0	300
P7	14x30	0	300
P8	12x30	0	300
P9	14x30	0	300
P10	14x30	0	300
P11	12x30	0	300
P12	12x30	0	300
P13	12x30	0	300
P14	14x30	0	300
P15	14x30	0	300
P16	12x30	0	300
P17	14x30	0	300
P18	14x30	0	300
P19	12x30	0	300
P20	12x30	0	300
P21	12x30	0	300
P22	12x30	0	300
P23	14x30	0	300
P24	12x30	0	300
P25	12x30	0	300
P26	12x30	0	300
P27	12x30	0	300
P28	12x30	0	300
P29	12x30	0	300
P30	12x30	0	300
P31	12x30	0	300
P32	12x30	0	300
P33	12x30	0	300
P34	12x30	0	300
P35	12x30	0	300
P36	14x30	0	300
P37	12x30	0	300
P38	12x30	0	300
P39	14x30	0	300
F40	14x30	0	300
F41	12x30	0	300
F42	12x30	0	300
F43	12x30	0	300
F44	12x30	0	300
F45	12x30	0	300
F46	14x30	0	300
F47	14x30	0	300
F48	14x40	0	300
F49	12x30	0	300
F50	14x60	0	300
F51	15x40	0	300
F52	14x40	0	300
F53	14x50	0	300
F54	14x30	0	300
F55	12x30	0	300
F56	14x30	0	300
F57	14x40	0	300
F58	14x30	0	300
F59	14x30	0	300
F60	12x30	0	300
F61	14x30	0	300
F62	14x30	0	300
F63	14x30	0	300
F64	14x30	0	300
F65	14x30	0	300
F66	14x30	0	300
F67	14x30	0	300
F68	14x30	0	300
F69	14x30	0	300

Legenda dos pilares	
	Pilar que morre
	Pilar que passa
	Pilar que nasce
	Pilar com mudança de seção



OBRA: CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO
 ENDEREÇO: R. JOÃO GONÇALVES, QD. DR. L. OT. 01. SETOR FUMAL, LUZIÂNIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA

AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

DIRITOS AUTORAIS DESTA OBRA PERTENCEM AOS PROFISSIONAIS ACIMA CITADOS. É PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5.988 ART. 25.

FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
OUTROS:	

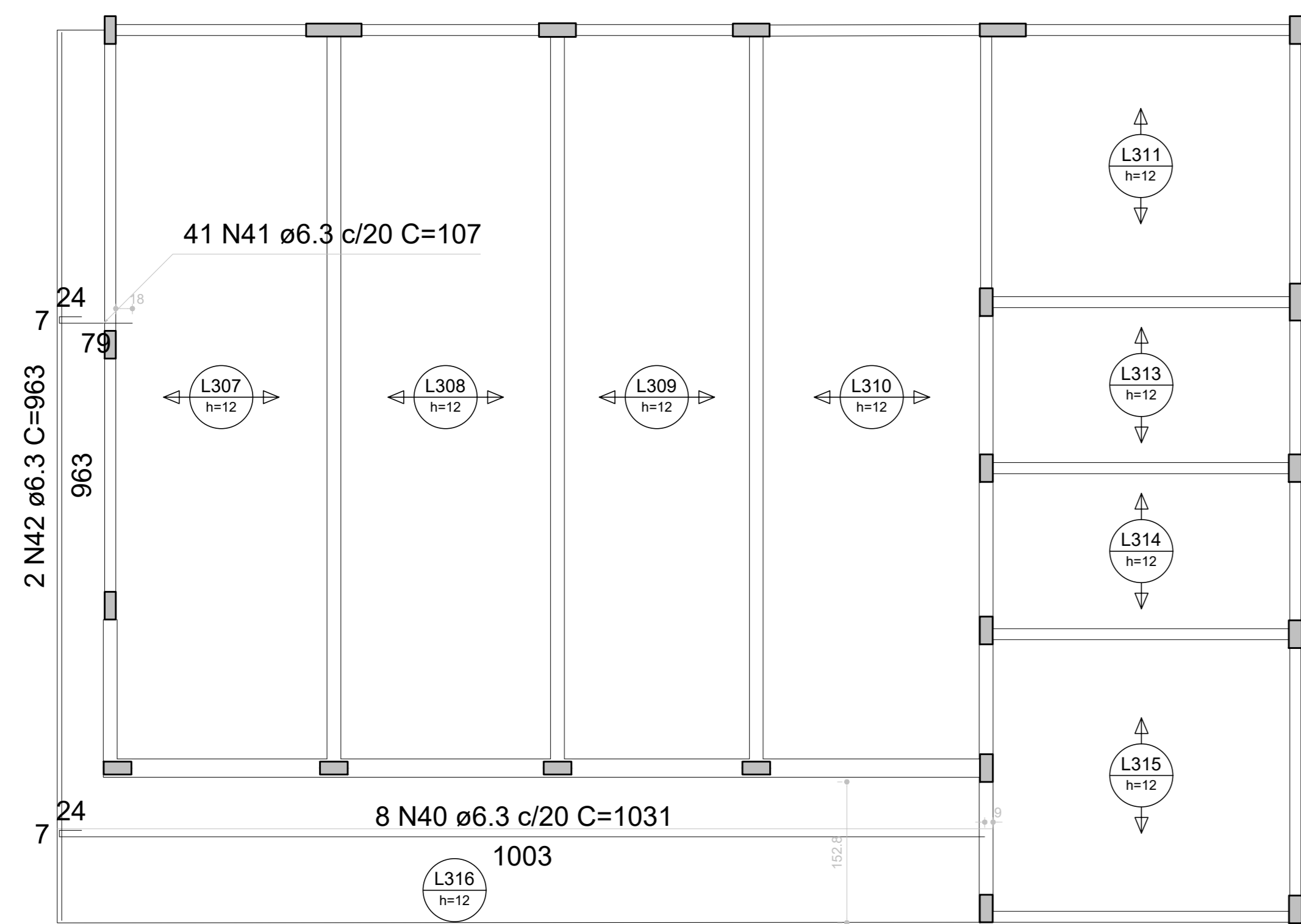
FOLHA: **2/2**

CONTEÚDO: ESTRUTURAL FORMAS

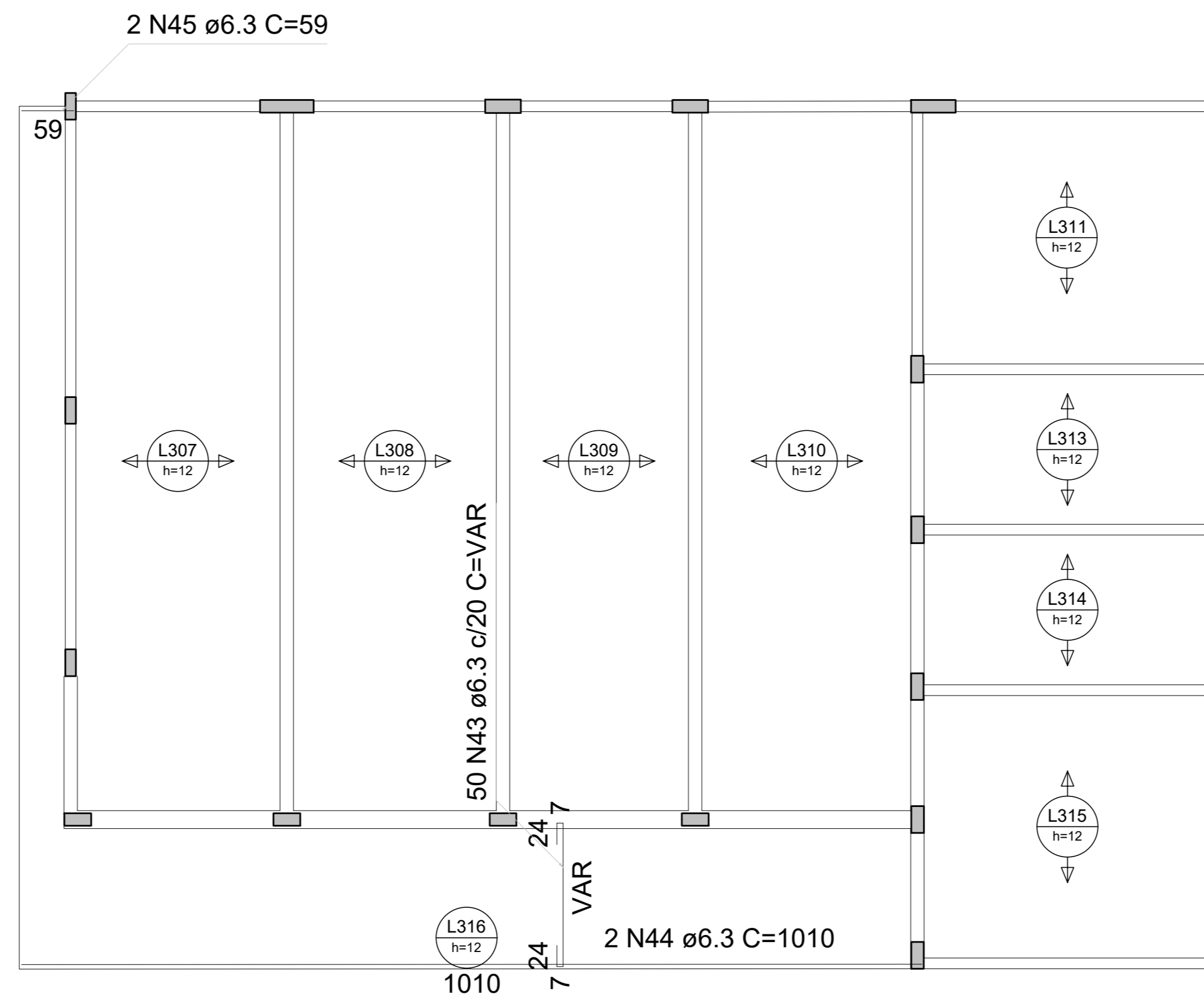
ÁREAS: INDICADA EM QUADRO

DATA: DESENHO: ESCALA: UNIDADE:
02/2023 ISABELLE INDICADA METROS
MORAES

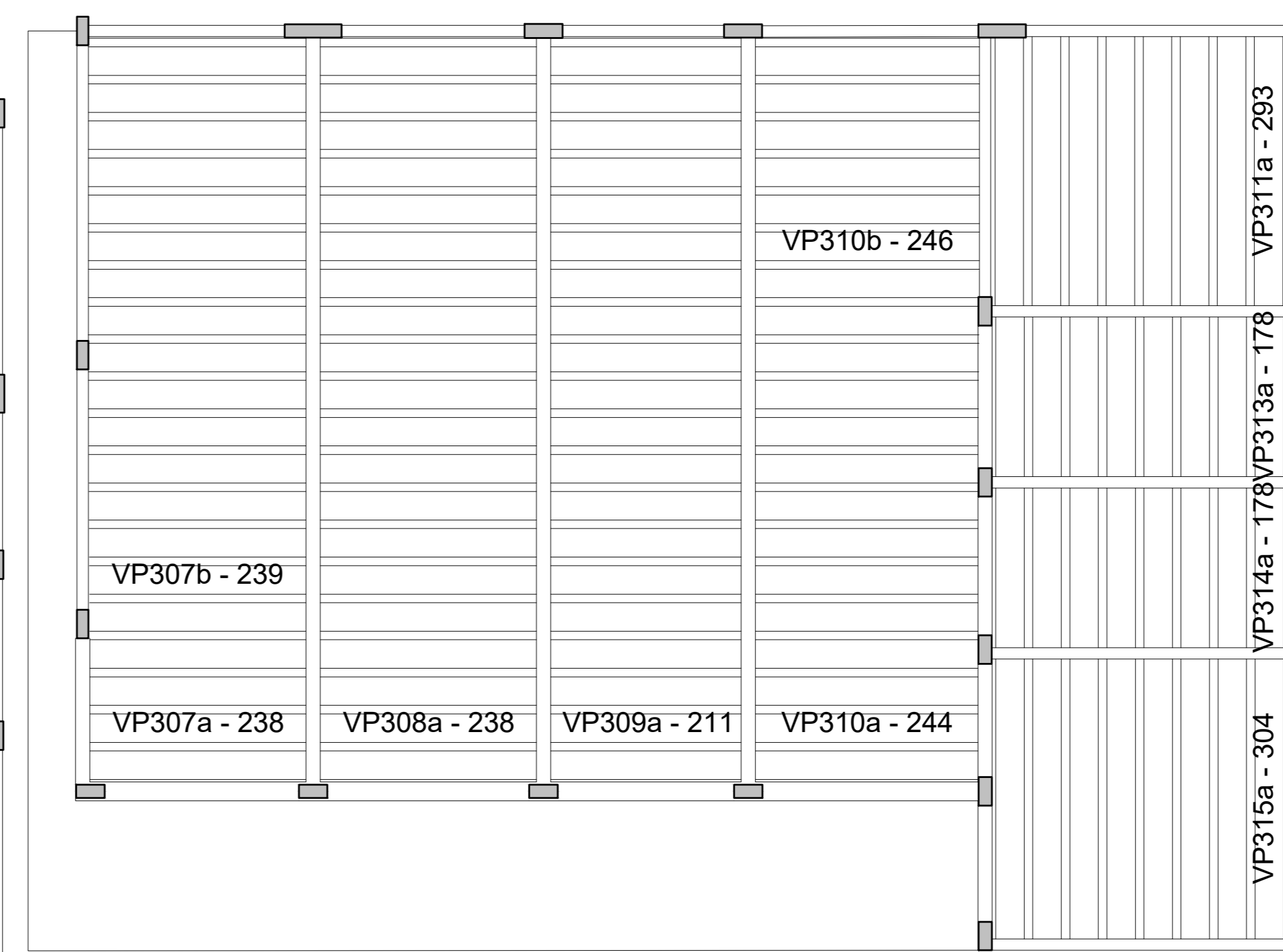
ESTRUTURAL



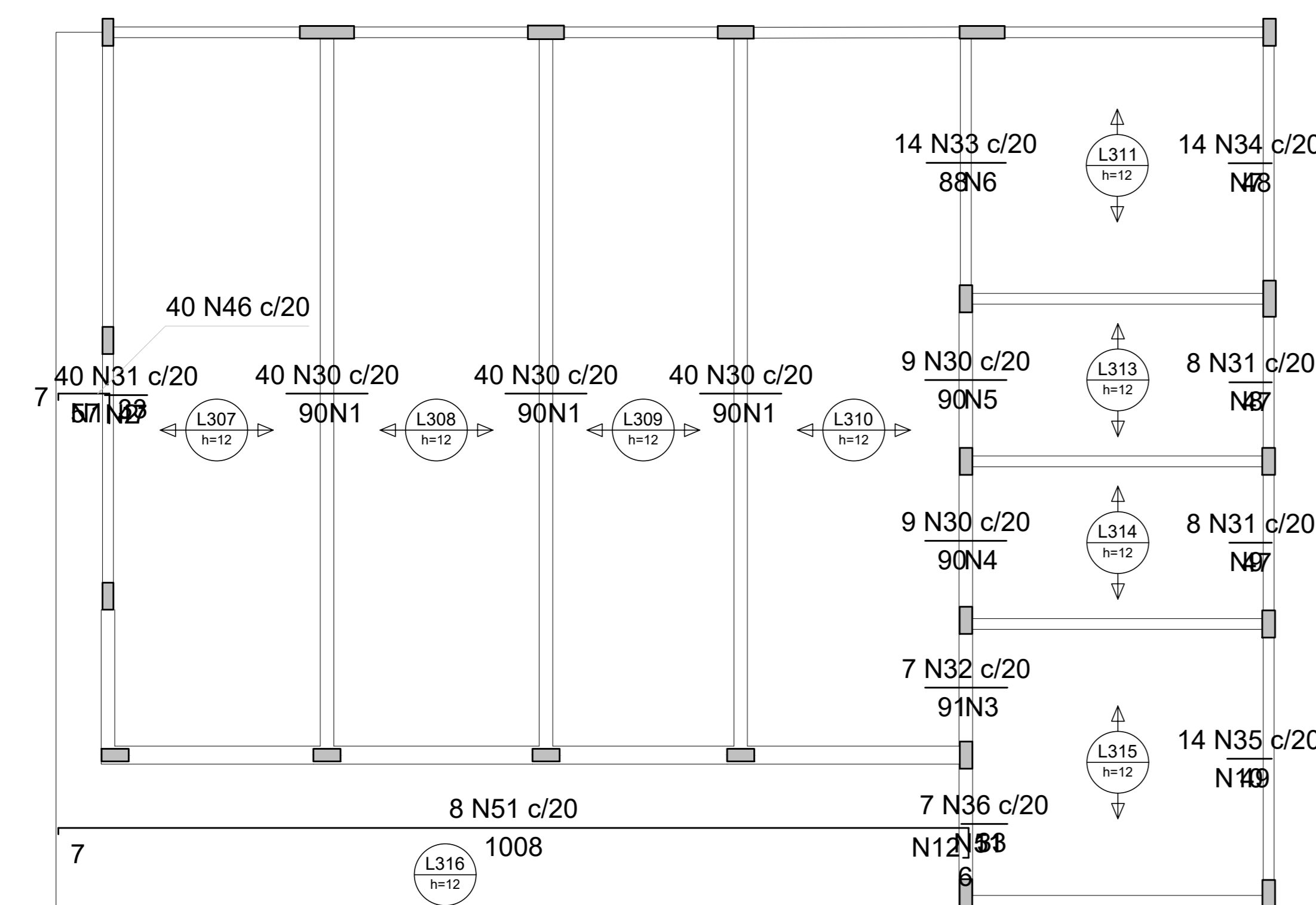
Armação positiva das lajes do pavimento LAJE DA COBERTU (Eixo X) escala 1:50



Armação positiva das lajes do pavimento LAJE DA COBERTU (Eixo Y) escala 1:50

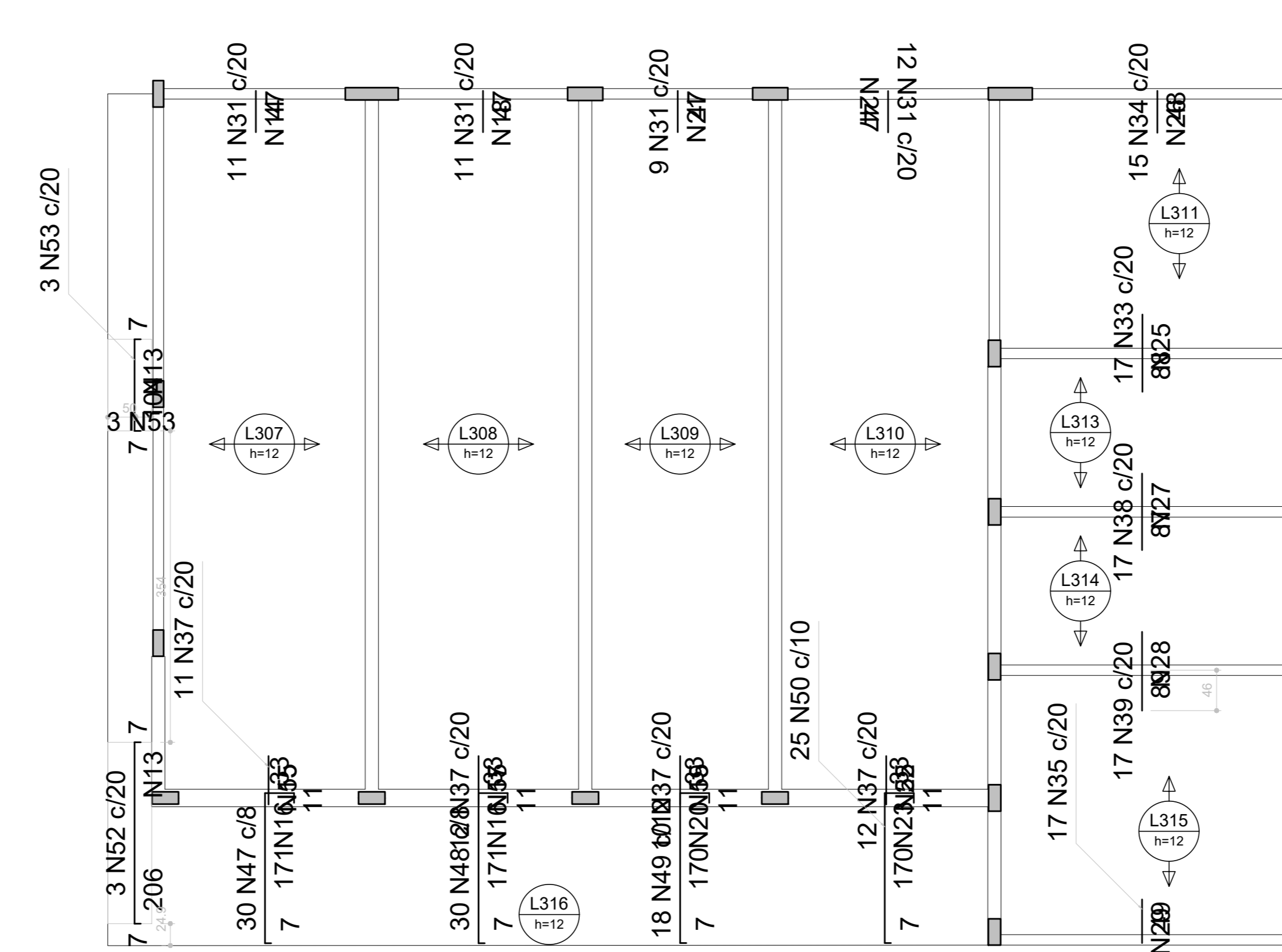


Planta de vigotas pré-moldadas escala 1:50



Armação negativa das lajes do pavimento LAJE DA COBERTU (Eixo X) escala 1:50

Ferro	Armadura de distribuição
N30	5 N1 ø5.0 c/20 C=800
N31	3 N2 ø5.0 c/20 C=797
N46	3 N1 ø5.0 c/20 C=VAR
N30	5 N1 ø5.0 c/20 C=800
N30	5 N1 ø5.0 c/20 C=800
N32	5 N3 ø5.0 c/20 C=143
N30	5 N4 ø5.0 c/20 C=170
N30	5 N5 ø5.0 c/20 C=174
N33	5 N6 ø5.0 c/20 C=289
N34	3 N7 ø5.0 c/20 C=278
N31	3 N8 ø5.0 c/20 C=163
N31	3 N9 ø5.0 c/20 C=168
N35	3 N10 ø5.0 c/20 C=286
N36	3 N11 ø5.0 c/20 C=146
N51	63 N12 ø5.0 c/16 C=VAR



Armação negativa das lajes do pavimento LAJE DA COBERTU (Eixo Y) escala 1:50

Ferro	Armadura de distribuição
N52	13 N13 ø5.0 c/16 C=50
N53	7 N13 ø5.0 c/16 C=50
N31	3 N14 ø5.0 c/20 C=222
N37	3 N15 ø5.0 c/20 C=229
N38	3 N16 ø5.0 c/10 C=243
N37	3 N17 ø5.0 c/20 C=237
N48	17 N16 ø5.0 c/10 C=242
N31	3 N18 ø5.0 c/20 C=211
N37	3 N19 ø5.0 c/20 C=210
N49	12 N20 ø5.0 c/15 C=215
N31	3 N21 ø5.0 c/20 C=188
N37	3 N22 ø5.0 c/20 C=247
N50	15 N23 ø5.0 c/12 C=249
N31	3 N24 ø5.0 c/20 C=246
N33	5 N25 ø5.0 c/20 C=336
N34	3 N26 ø5.0 c/20 C=302
N38	5 N27 ø5.0 c/20 C=335
N39	5 N28 ø5.0 c/20 C=335
N35	3 N29 ø5.0 c/20 C=335

RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	18	800	14400
CA60	2	5.0	3	797	2391
CA60	3	5.0	3	143	715
CA60	4	5.0	5	170	850
CA60	5	5.0	5	174	870
CA60	6	5.0	5	289	1445
CA60	7	5.0	5	278	834
CA60	8	5.0	3	163	489
CA60	9	5.0	3	168	504
CA60	10	5.0	3	286	858
CA60	11	5.0	3	146	438
CA60	12	5.0	63	VAR	VAR
CA60	13	5.0	20	50	1000
CA60	14	5.0	3	222	666
CA60	15	5.0	3	229	687
CA60	16	5.0	34	243	8262
CA60	17	5.0	3	237	711
CA60	18	5.0	3	211	633
CA60	19	5.0	3	210	630
CA60	20	5.0	12	215	2580
CA60	21	5.0	3	188	564
CA60	22	5.0	3	247	741
CA60	23	5.0	15	249	3735
CA60	24	5.0	3	246	738
CA60	25	5.0	3	336	1680
CA60	26	5.0	3	302	906
CA60	27	5.0	3	335	1675
CA60	28	5.0	3	335	1675
CA60	29	5.0	3	335	1675
CA50	30	6.3	138	90	12420
CA50	31	6.3	7	99	4653
CA50	32	6.3	7	91	637
CA50	33	6.3	31	88	2728
CA50	34	6.3	29	48	1392
CA50	35	6.3	31	49	1519
CA50	36	6.3	7	51	357
CA50	37	6.3	45	55	2475
CA50	38	6.3	17	87	1479
CA50	39	6.3	17	89	1513
CA50	40	6.3	8	1031	8248
CA50	41	6.3	41	107	4387
CA50	42	6.3	2	963	1926
CA50	43	6.3	50	VAR	VAR
CA50	44	6.3	2	1010	2020
CA50	45	6.3	2	59	118
CA50	46	8.0	40	93	3720
CA50	47	10.0	30	215	6450
CA50	48	10.0	30	215	6450
CA50	49	10.0	18	214	3852
CA50	50	10.0	25	214	5350
CA50	51	12.5	8	1045	8360
CA50	52	12.5	3	214	642
CA50	53	12.5	3	112	336

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	567.2	152.7
CA50	8.0	37.2	16.1
CA50	10.0	221	149.9
CA50	12.5	93.4	99
CA50	5.0	618.1	104.8
PESO TOTAL (kg)			
CA50		417.7	
CA60		104.8	

PREFEITURA LUZIÂNIA
UM NOVO TEMPO COM BEM-ESTAR E TRABALHO

SMDU
SECRETARIA MUNICIPAL DE DESENVOLVIMENTO URBANO

OBRA: CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO
ENDEREÇO: R. JOÃO GONÇALVES, QD. DRM. LT. 01, SETOR FUMAL, LUZIÂNIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA

AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

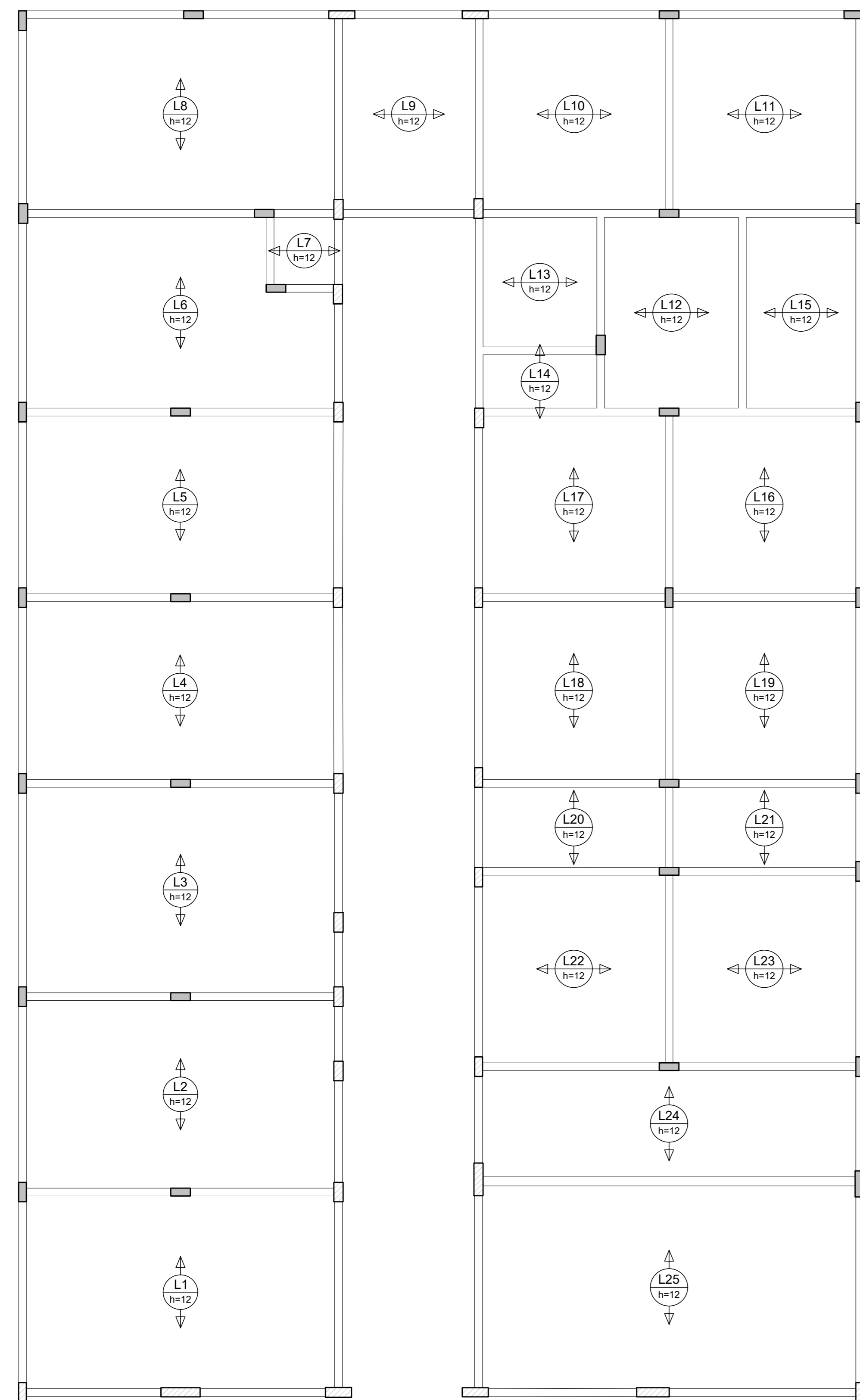
DIRITOS AUTORAIS DESTA OBRA PERTENCEM AOS PROFISSIONAIS ACREDITADOS. É PROIBIDA SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5.988 ART. 25.

FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
OUTROS:	

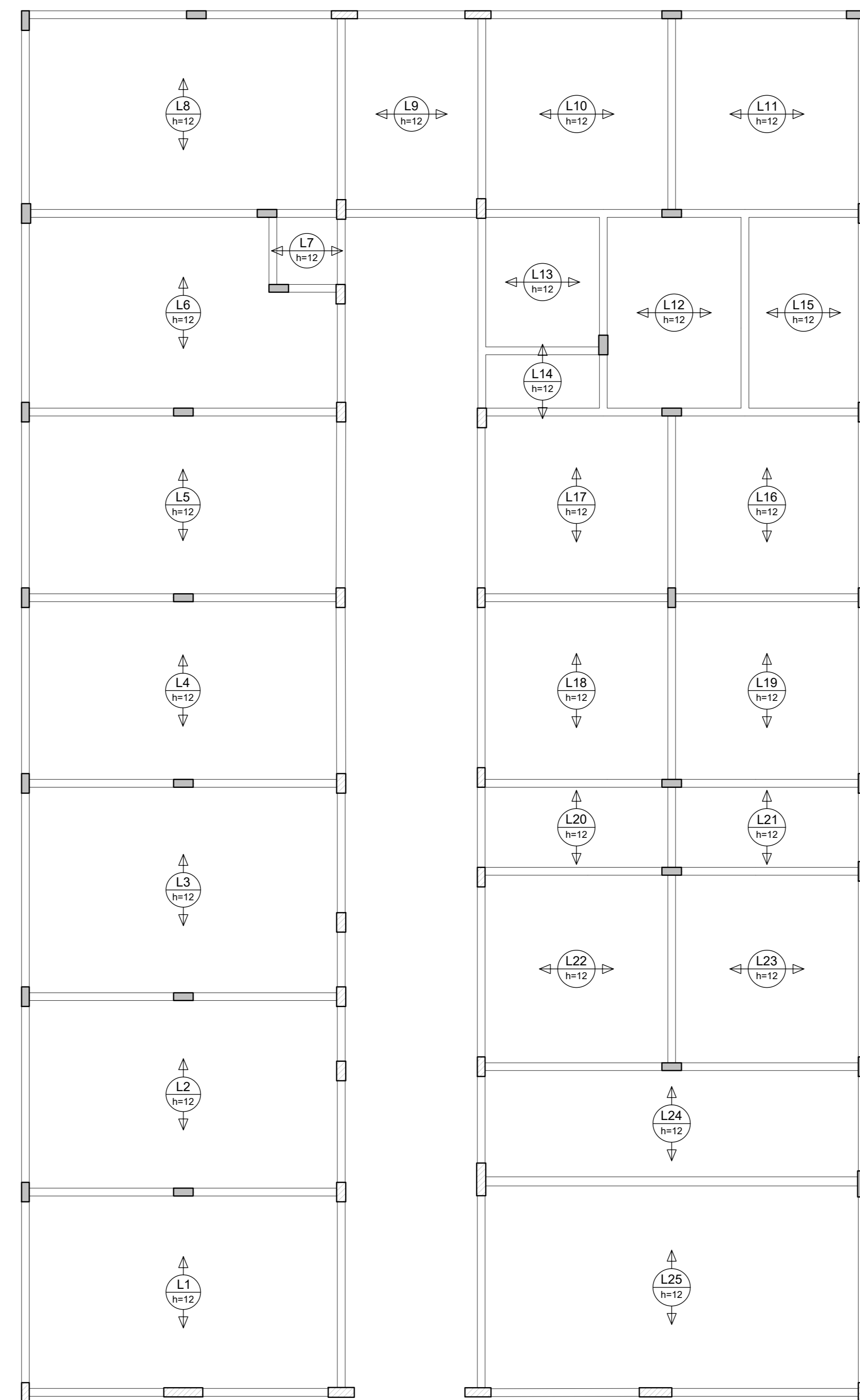
FOLHA: 1/3 **CONTEÚDO:** ESTRUTURAL LAJES **ÁREA:** INDICADA EM QUADRO

DATA: 02/2023 **DESENHO:** ISABELLE MORAES **ESCALA:** INDICADA **UNIDADE:** METROS

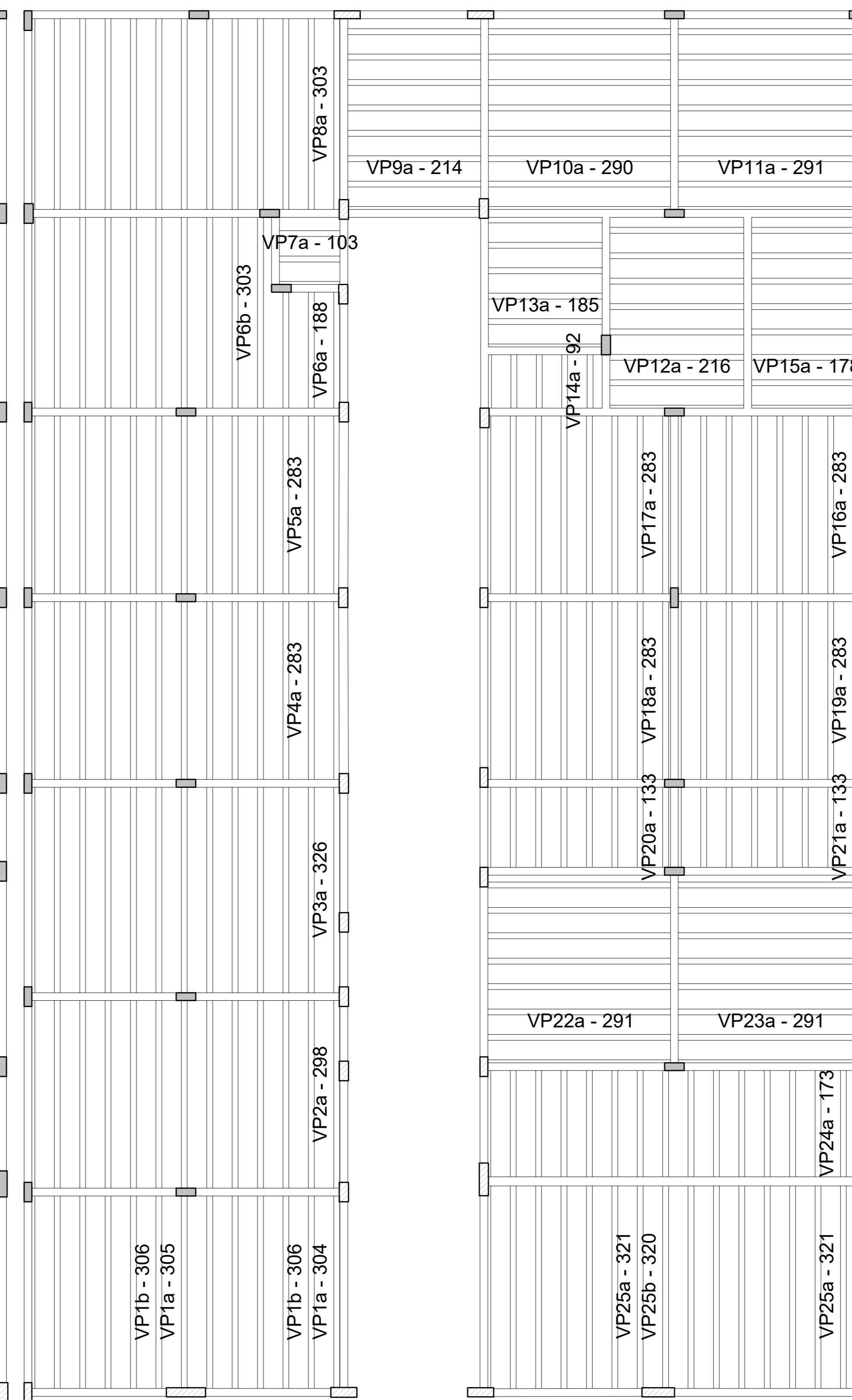
ESTRUTURAL



Armação positiva das lajes do pavimento TÉRREO (Eixo X)
escala 1:50




Armação positiva das lajes do pavimento TÉRREO (Eixo Y)
escala 1:50




Planta de vigotas pré-moldadas
escala 1:50

RELAÇÃO DO AÇO

Volume de concreto (C-25) = 8.62 m³
Área de forma = 0.00 m²



PREFEITURA
LUZIÂNIA
UM NOVO TEMPO COM RESPEITO E TRABALHO



SMDU
SERVIÇO MUNICIPAL DE LICENCIAMENTO URBANO

OBRA: CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO
ENDEREÇO: R. JOÃO GONÇALVES, QD. DRM. LT. 01, SETOR FUMAL, LUZIÂNIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA
AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF
RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

DIREITOS AUTORAIS DESTA OBRA PERTENCEM AOS PROFISSIONAIS ADM. CITADOS. É PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5.996 ART. 25.

FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
OUTROS:	

FOLHA: 2/3

CONTEÚDO:
ESTRUTURAL LAJES

ÁREAS:
INDICADA EM QUADRO

DATA: 02/2023

DESENHO: ISABELLE MORAES

ESCALA: INDICADA

UNIDADE: METROS

ESTRUTURAL

RELAÇÃO DO AÇO

Negativos X

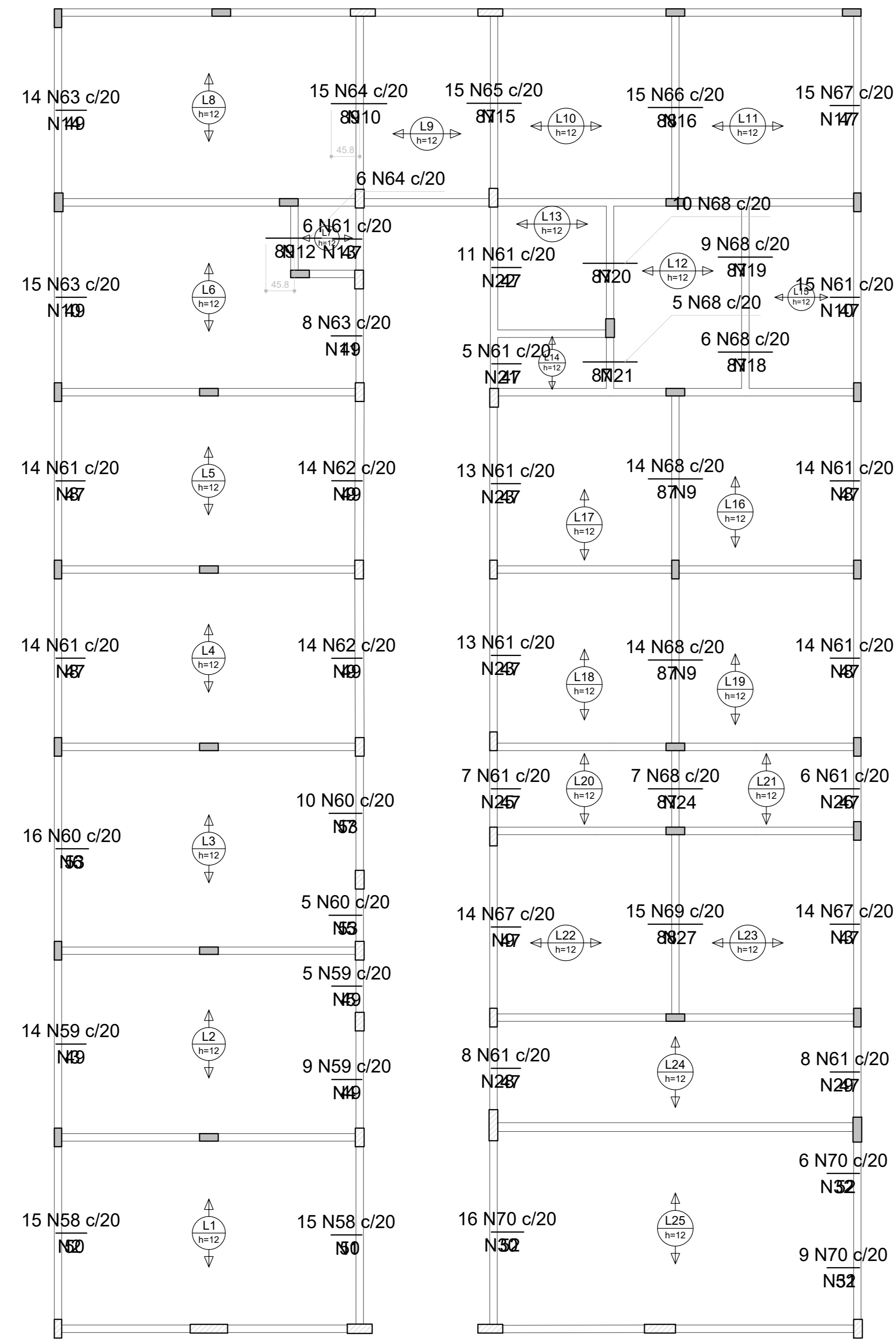
Negativos Y

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	3	302	906
CA60	2	5.0	3	296	888
CA60	3	5.0	6	288	1728
CA60	4	5.0	3	174	522
CA60	5	5.0	6	102	612
CA60	6	5.0	3	316	948
CA60	7	5.0	3	202	606
CA60	8	5.0	12	273	3276
CA60	9	5.0	19	279	5301
CA60	10	5.0	11	293	3223
CA60	11	5.0	3	169	507
CA60	12	5.0	5	115	575
CA60	13	5.0	3	118	354
CA60	14	5.0	3	284	852
CA60	15	5.0	5	292	1460
CA60	16	5.0	5	305	1525
CA60	17	5.0	3	299	897
CA60	18	5.0	5	129	645
CA60	19	5.0	5	176	880
CA60	20	5.0	5	196	980
CA60	21	5.0	8	97	776
CA60	22	5.0	3	213	639
CA60	23	5.0	6	264	1584
CA60	24	5.0	5	135	675
CA60	25	5.0	3	141	423
CA60	26	5.0	18	123	2214
CA60	27	5.0	5	300	1500
CA60	28	5.0	3	151	453
CA60	29	5.0	3	163	489
CA60	30	5.0	3	311	933
CA60	31	5.0	3	184	552
CA60	32	5.0	3	119	357
CA60	33	5.0	45	237	10665
CA60	34	5.0	3	222	666
CA60	35	5.0	6	211	1266
CA60	36	5.0	5	236	1180
CA60	37	5.0	5	89	445
CA60	38	5.0	5	364	1820
CA60	39	5.0	5	108	540
CA60	40	5.0	3	257	771
CA60	41	5.0	3	215	645
CA60	42	5.0	3	183	549
CA60	43	5.0	5	188	940
CA60	44	5.0	10	99	990
CA60	45	5.0	3	281	843
CA60	46	5.0	10	107	1070
CA60	47	5.0	10	180	1800
CA60	48	5.0	3	272	816
CA60	49	5.0	10	187	1870
CA60	50	5.0	10	293	2930
CA60	51	5.0	5	194	970
CA60	52	5.0	5	93	465
CA60	53	5.0	15	164	2460
CA60	54	5.0	10	287	2870
CA60	55	5.0	5	585	2925
CA60	56	5.0	3	246	738
CA60	57	5.0	3	302	906
CA50	58	6.3	52	50	2600
CA50	59	6.3	28	49	1372
CA50	60	6.3	31	53	1643
CA50	61	6.3	168	47	7896
CA50	62	6.3	28	49	1372
CA50	63	6.3	61	49	2989
CA50	64	6.3	54	89	4806
CA50	65	6.3	29	87	2523
CA50	66	6.3	15	88	1320
CA50	67	6.3	57	47	2679
CA50	68	6.3	185	87	16095
CA50	69	6.3	15	88	1320
CA50	70	6.3	58	52	3016
CA50	71	6.3	24	91	2184
CA50	72	6.3	24	94	2256
CA50	73	6.3	24	93	2232
CA50	74	6.3	18	92	1656
CA50	75	6.3	14	47	658
CA50	76	6.3	70	87	6090
CA50	77	6.3	29	93	2697

RESUMO DO AÇO

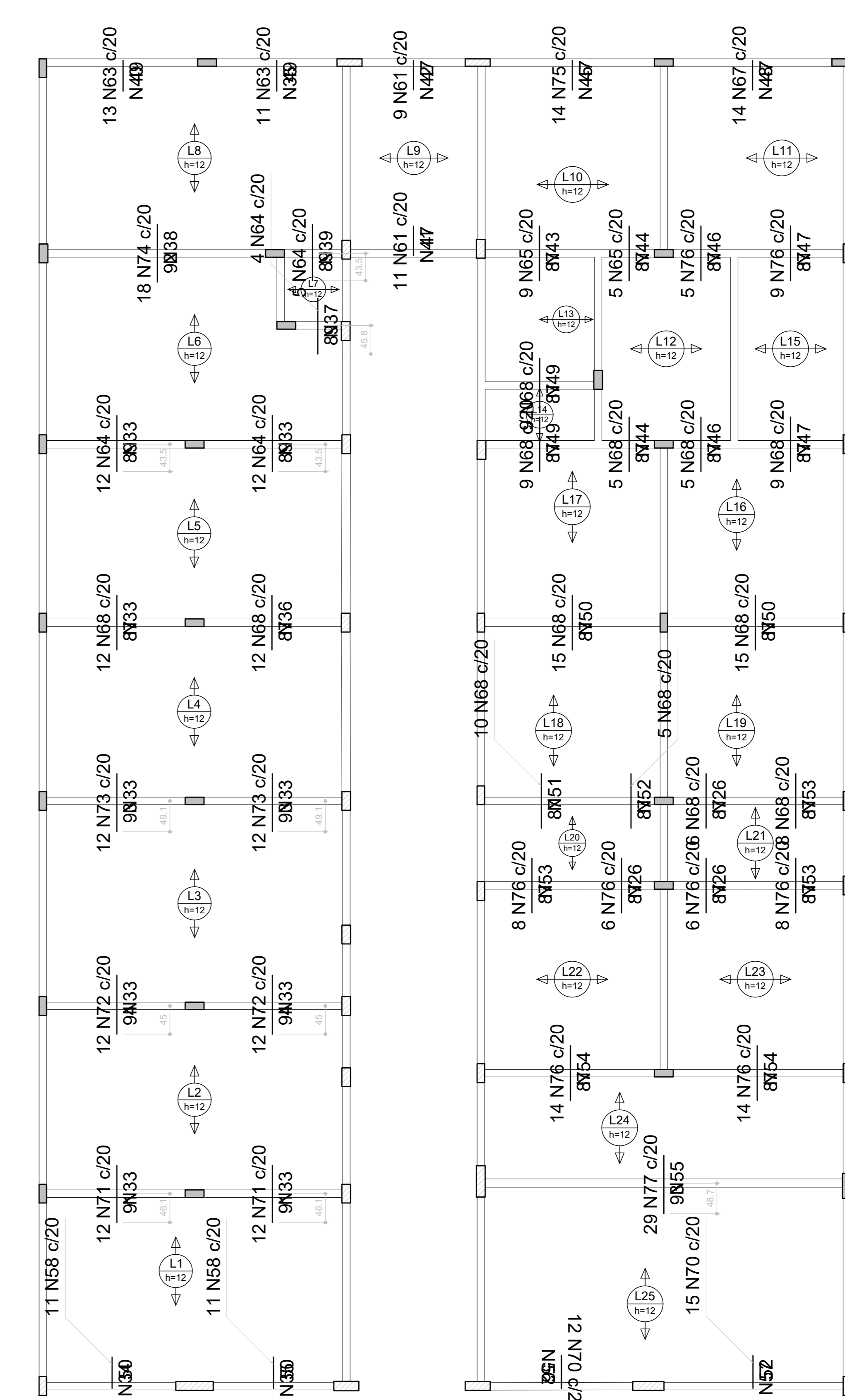
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	674	181.4
CA60	5.0	784.2	133
PESO TOTAL (kg)			
CA50	181.4		
CA60	133		

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



Armação negativa das lajes do pavimento TÉRREO (Eixo X) escala 1:50


Ferro	Armadura de distribuição
N58	3 N1 ø5.0 c/20 C=302
N58	3 N2 ø5.0 c/20 C=296
N59	3 N3 ø5.0 c/20 C=288
N59	3 N4 ø5.0 c/20 C=174
N59	3 N5 ø5.0 c/20 C=102
N60	3 N6 ø5.0 c/20 C=316
N60	3 N5 ø5.0 c/20 C=102
N60	3 N7 ø5.0 c/20 C=202
N61	3 N8 ø5.0 c/20 C=273
N62	3 N9 ø5.0 c/20 C=279
N61	3 N8 ø5.0 c/20 C=273
N62	3 N9 ø5.0 c/20 C=279
N63	3 N10 ø5.0 c/20 C=293
N63	3 N11 ø5.0 c/20 C=169
N64	5 N12 ø5.0 c/20 C=115
N61	3 N13 ø5.0 c/20 C=118
N63	3 N14 ø5.0 c/20 C=284
N64	5 N10 ø5.0 c/20 C=293
N65	5 N15 ø5.0 c/20 C=292
N66	5 N16 ø5.0 c/20 C=305
N67	3 N17 ø5.0 c/20 C=299
N68	5 N18 ø5.0 c/20 C=129
N68	5 N19 ø5.0 c/20 C=176
N68	5 N20 ø5.0 c/20 C=196
N68	5 N21 ø5.0 c/20 C=97
N61	3 N22 ø5.0 c/20 C=213
N61	3 N21 ø5.0 c/20 C=97
N61	3 N10 ø5.0 c/20 C=293
N68	5 N9 ø5.0 c/20 C=279
N61	3 N8 ø5.0 c/20 C=273
N61	3 N23 ø5.0 c/20 C=264
N68	5 N9 ø5.0 c/20 C=279
N61	3 N23 ø5.0 c/20 C=264
N61	3 N8 ø5.0 c/20 C=273
N68	5 N24 ø5.0 c/20 C=135
N61	3 N25 ø5.0 c/20 C=141
N61	3 N26 ø5.0 c/20 C=123
N69	5 N27 ø5.0 c/20 C=300
N67	3 N9 ø5.0 c/20 C=279
N61	3 N3 ø5.0 c/20 C=288
N61	3 N28 ø5.0 c/20 C=151
N61	3 N29 ø5.0 c/20 C=163
N70	3 N30 ø5.0 c/20 C=311
N70	3 N31 ø5.0 c/20 C=184
N70	3 N32 ø5.0 c/20 C=119



Armação negativa das lajes do pavimento TÉRREO (Eixo Y) escala 1:50

Ferro	Armadura de distribuição
N71	5 N33 ø5.0 c/20 C=237
N71	5 N33 ø5.0 c/20 C=237
N58	3 N34 ø5.0 c/20 C=222
N58	3 N35 ø5.0 c/20 C=211
N72	5 N33 ø5.0 c/20 C=237
N72	5 N33 ø5.0 c/20 C=237
N73	5 N33 ø5.0 c/20 C=237
N73	5 N33 ø5.0 c/20 C=237
N68	5 N36 ø5.0 c/20 C=236
N68	5 N33 ø5.0 c/20 C=237
N64	5 N33 ø5.0 c/20 C=237
N64	5 N33 ø5.0 c/20 C=237
N64	5 N37 ø5.0 c/20 C=89
N74	5 N38 ø5.0 c/20 C=364
N64	5 N39 ø5.0 c/20 C=108
N63	3 N35 ø5.0 c/20 C=211
N63	3 N40 ø5.0 c/20 C=257
N61	3 N41 ø5.0 c/20 C=215
N61	3 N42 ø5.0 c/20 C=183
N65	5 N43 ø5.0 c/20 C=188
N65	5 N44 ø5.0 c/20 C=99
N75	3 N45 ø5.0 c/20 C=281
N76	5 N46 ø5.0 c/20 C=107
N76	5 N47 ø5.0 c/20 C=180
N67	3 N48 ø5.0 c/20 C=272
N68	5 N44 ø5.0 c/20 C=99
N68	5 N46 ø5.0 c/20 C=107
N68	5 N49 ø5.0 c/20 C=187
N68	5 N49 ø5.0 c/20 C=187
N68	5 N47 ø5.0 c/20 C=180
N68	5 N50 ø5.0 c/20 C=293
N68	5 N51 ø5.0 c/20 C=194
N68	5 N52 ø5.0 c/20 C=93
N68	5 N26 ø5.0 c/20 C=123
N68	5 N53 ø5.0 c/20 C=164
N76	5 N53 ø5.0 c/20 C=164
N76	5 N53 ø5.0 c/20 C=164
N76	5 N54 ø5.0 c/20 C=287
N76	5 N54 ø5.0 c/20 C=287
N77	5 N55 ø5.0 c/20 C=585
N70	3 N56 ø5.0 c/20 C=246
N70	3 N57 ø5.0 c/20 C=302

ESTRUTURAL

OBRA: CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIANIA-GO
ENDEREÇO: R. JOÃO GONÇALVES, QD. DRM. LT. 01. SETOR FUMAL, LUZIANIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIANIA

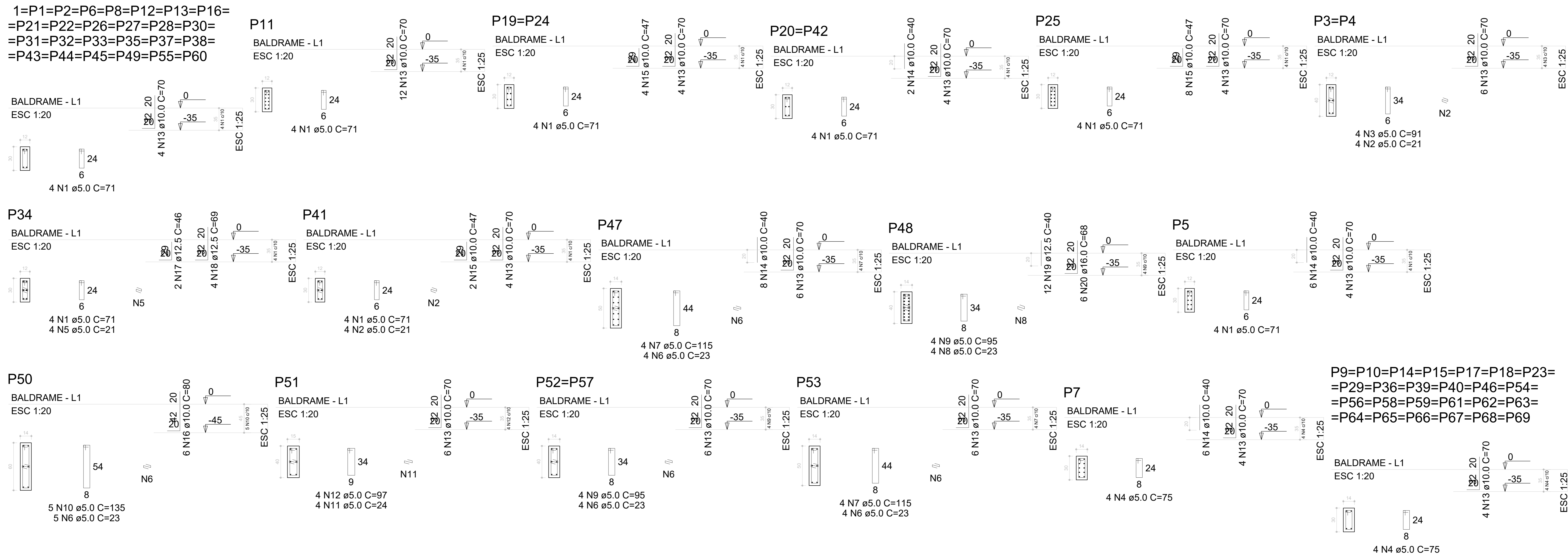
AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

DIREITOS AUTORAIS DESTA OBRA PERTENCEM AOS PROFISSIONAIS ACIMA CITADOS. É PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5.988 ART. 25.

FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
<small>OUTROS:</small>	

1=P1=P2=P6=P8=P12=P13=P16=
 =P21=P22=P26=P27=P28=P30=
 =P31=P32=P33=P35=P37=P38=
 =P43=P44=P45=P49=P55=P60



RELAÇÃO DO AÇO


26x 1	2xP3	P5
P7	25xP9	P11
2xP19	2xP20	P25
P34	P41	P47
P48	P50	P51
2xP52	P53	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	140	71	9940
	2	5.0	12	21	252
	3	5.0	8	91	728
	4	5.0	104	75	7800
	5	5.0	4	21	84
	6	5.0	21	23	483
	7	5.0	8	115	920
	8	5.0	4	23	92
	9	5.0	12	95	1140
	10	5.0	5	135	675
	11	5.0	4	24	96
	12	5.0	4	97	388
CA50	13	10.0	290	70	20300
	14	10.0	24	40	960
	15	10.0	18	47	846
	16	10.0	6	80	480
	17	12.5	2	46	92
	18	12.5	4	69	276
	19	12.5	12	40	480
	20	16.0	6	68	408


RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	225.9	153.2
	12.5	8.5	9
	16.0	4.1	7.1
	5.0	226	38.3
PESO TOTAL (kg)			
CA50	169.2		
CA60	38.3		

Volume de concreto (C-25) = 1.02 m³
 Área de forma = 22.11 m²



PREFEITURA
LUZIÂNIA
UM NOVO TEMPO COM RESPEITO E TRABALHO



SMDU
SERVIÇO MUNICIPAL DE SANEAMENTO E DEBENEFICIAMENTO URBANO

OBRA: CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO
ENDEREÇO: R. JOÃO GONÇALVES, QD. DRIM, LT. 01, SETOR FUMAL, LUZIÂNIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA

AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

DIREITOS AUTORAIS DESTA OBRA PERTENCEM AOS PROFISSIONAIS ADMITIDOS. É PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5.988 ART. 25.

FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
OUTROS:	

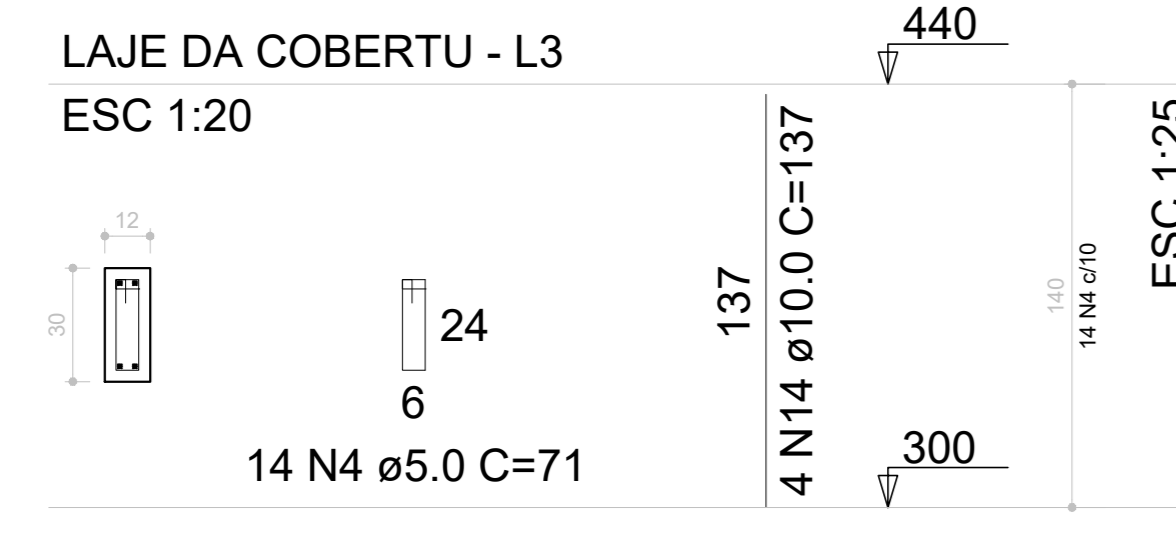
FOLHA: **CONTEÚDO:** ESTRUTURAL PILARES **ÁREAS:** INDICADA EM QUADRO

1/3

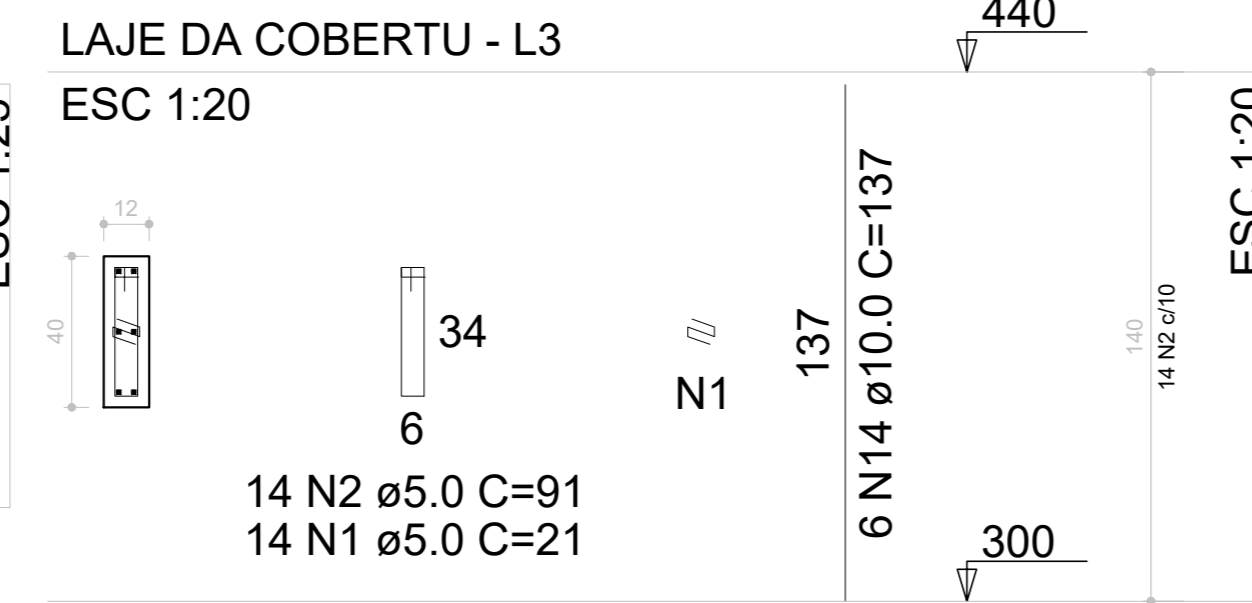
DATA: 02/2023 **DESENHO:** ISABELLE **ESCALA:** INDICADA **UNIDADE:** METROS **MORAES**

ESTRUTURAL

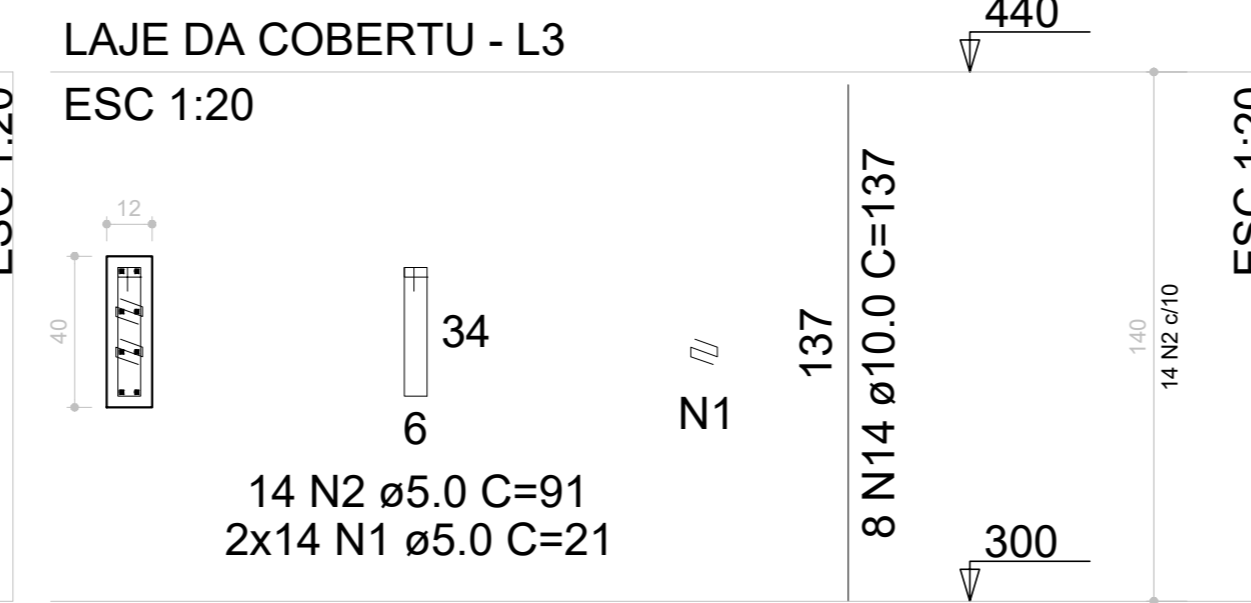
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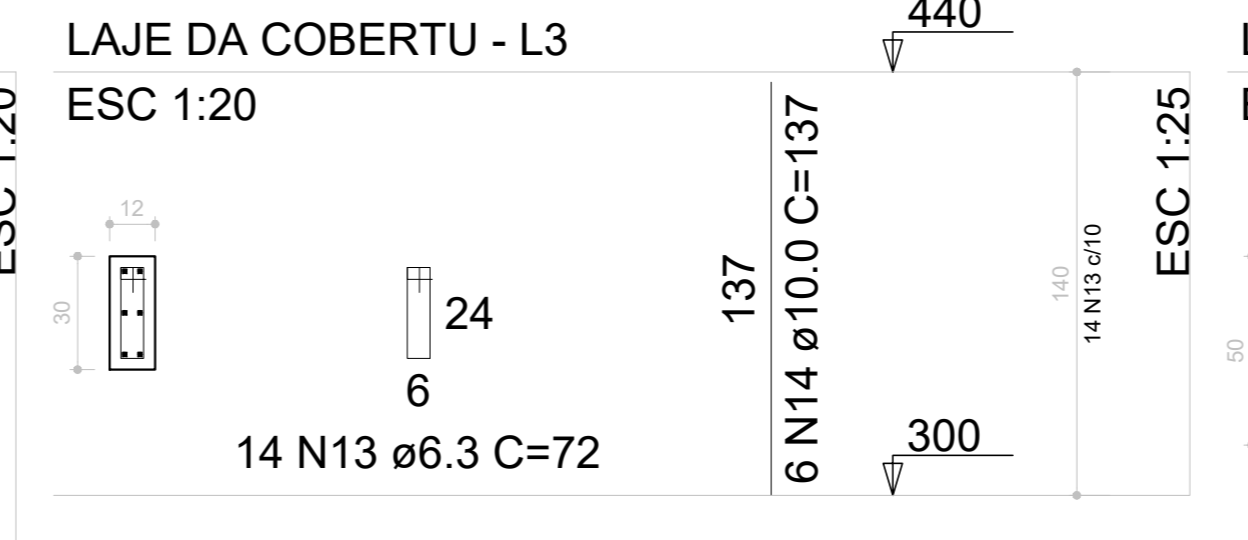
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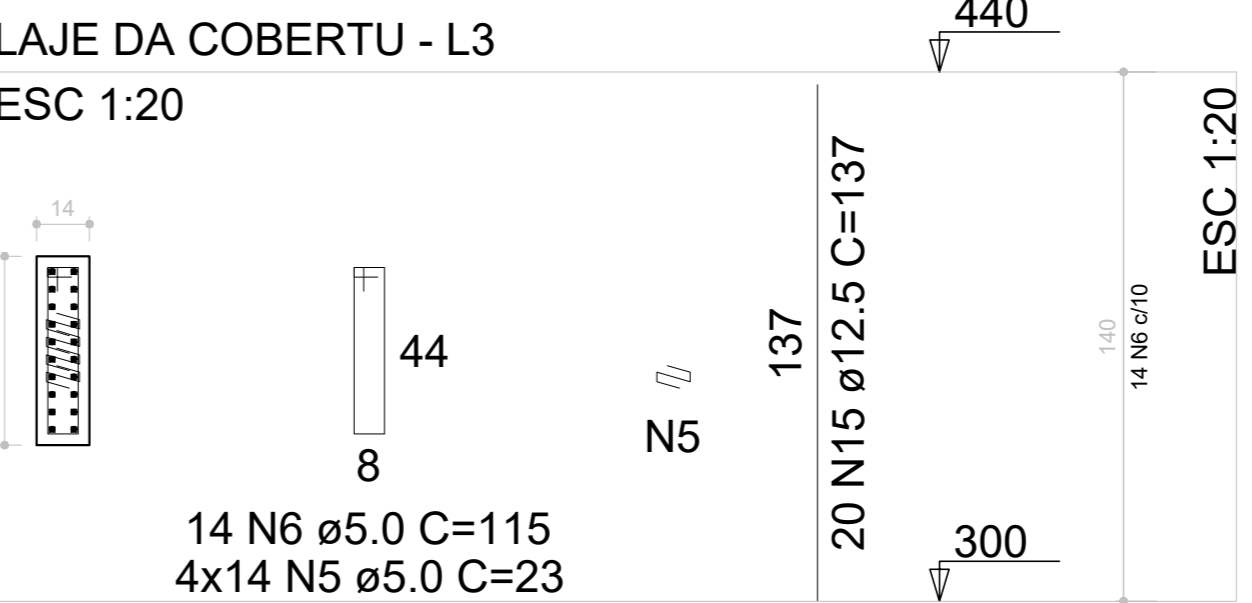
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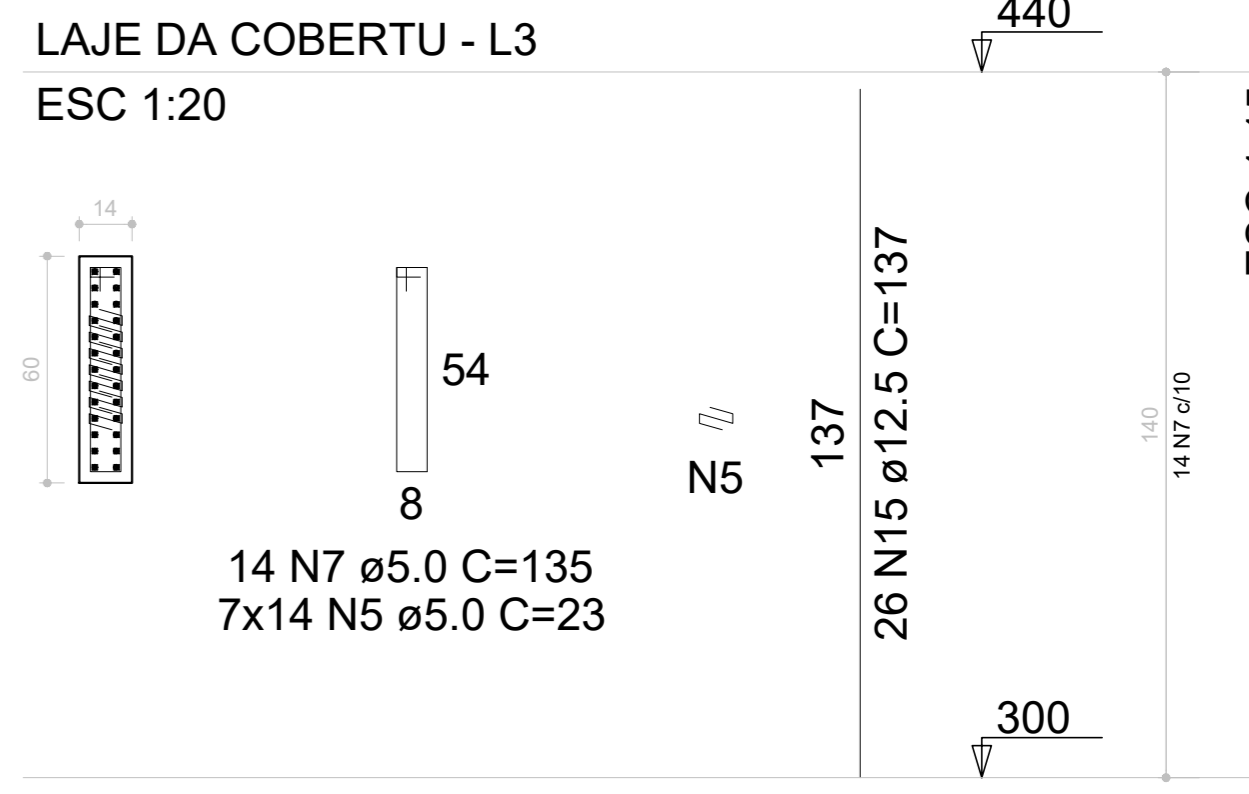
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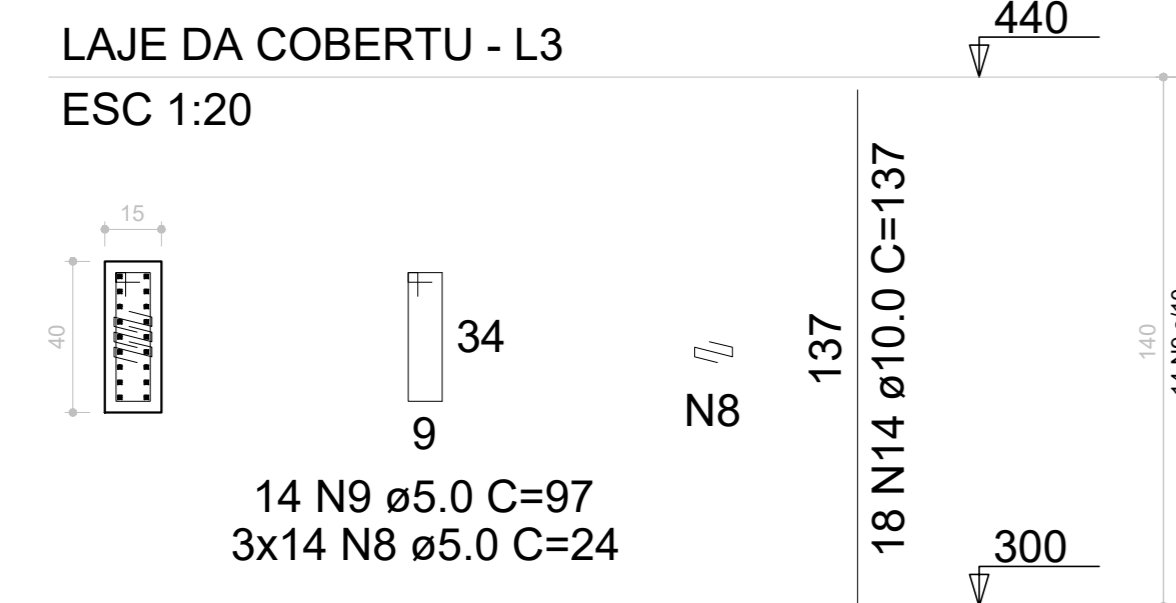
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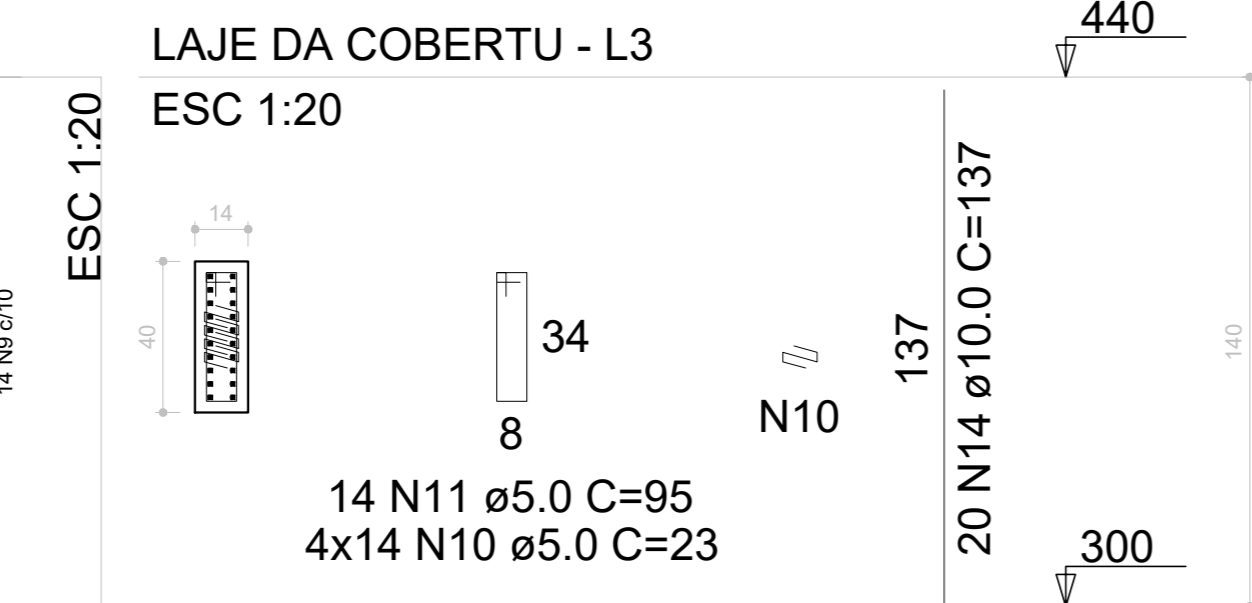
P50



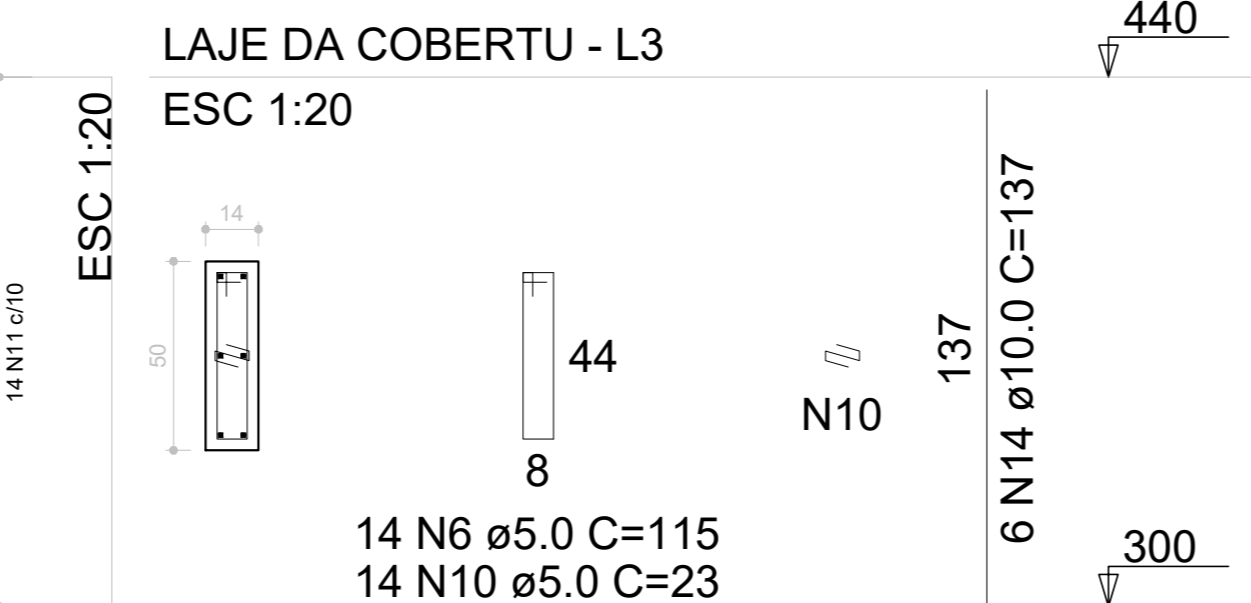
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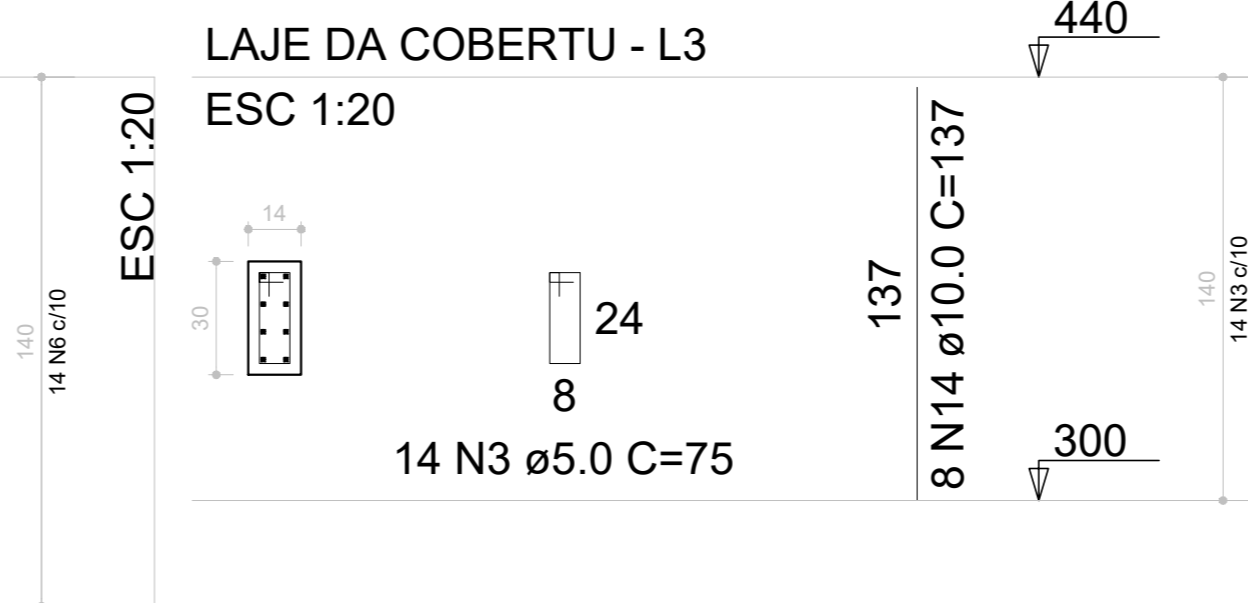
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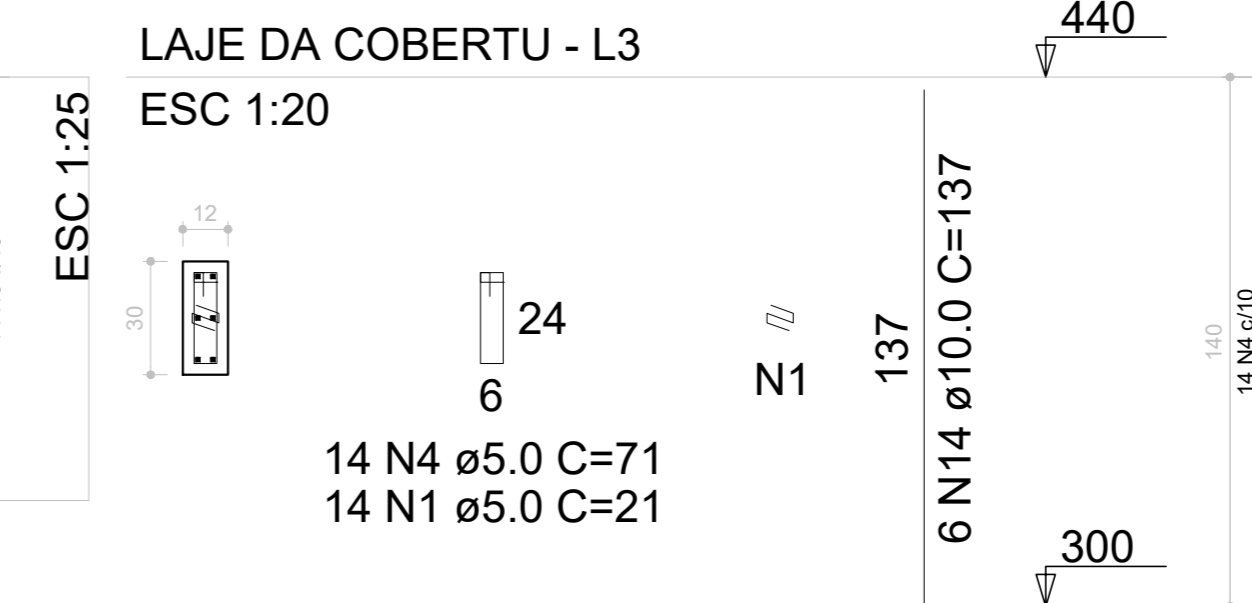
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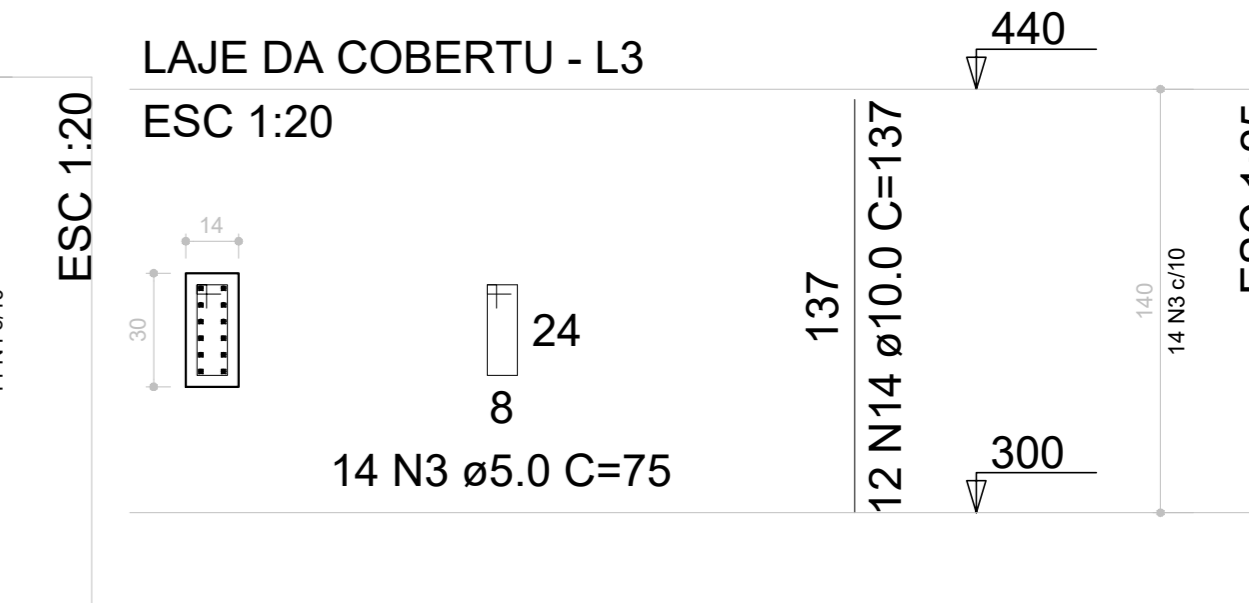
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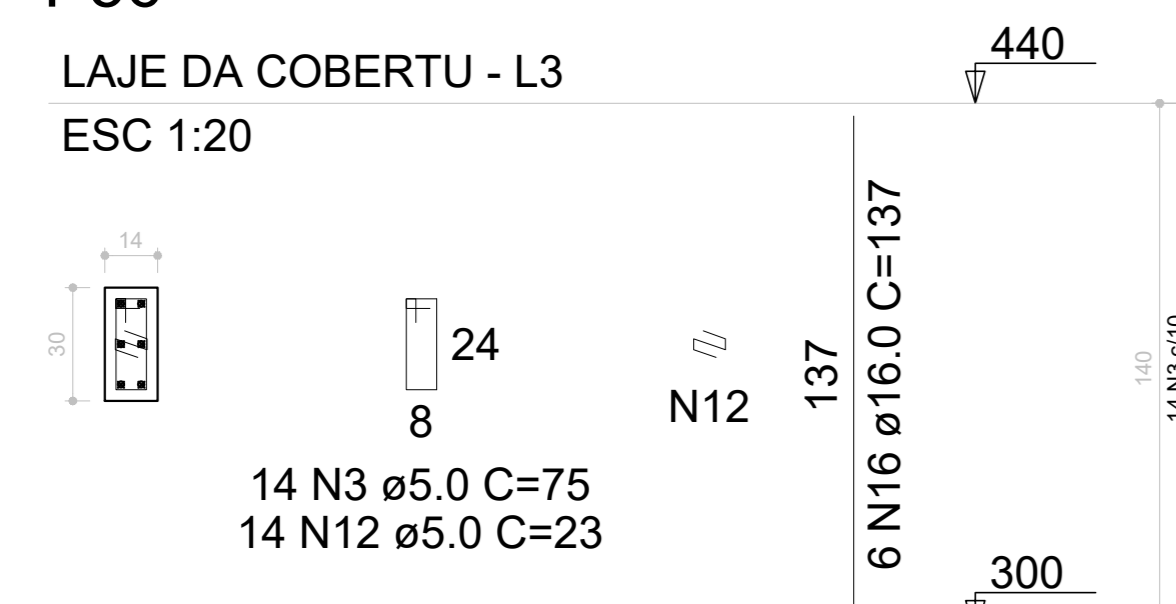
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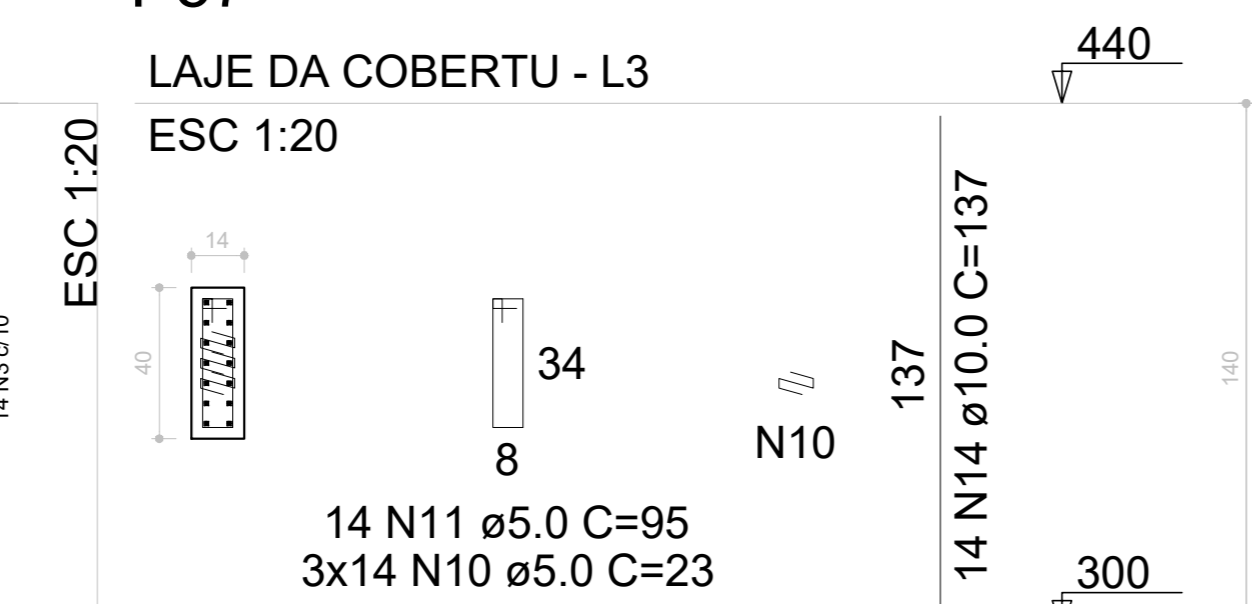
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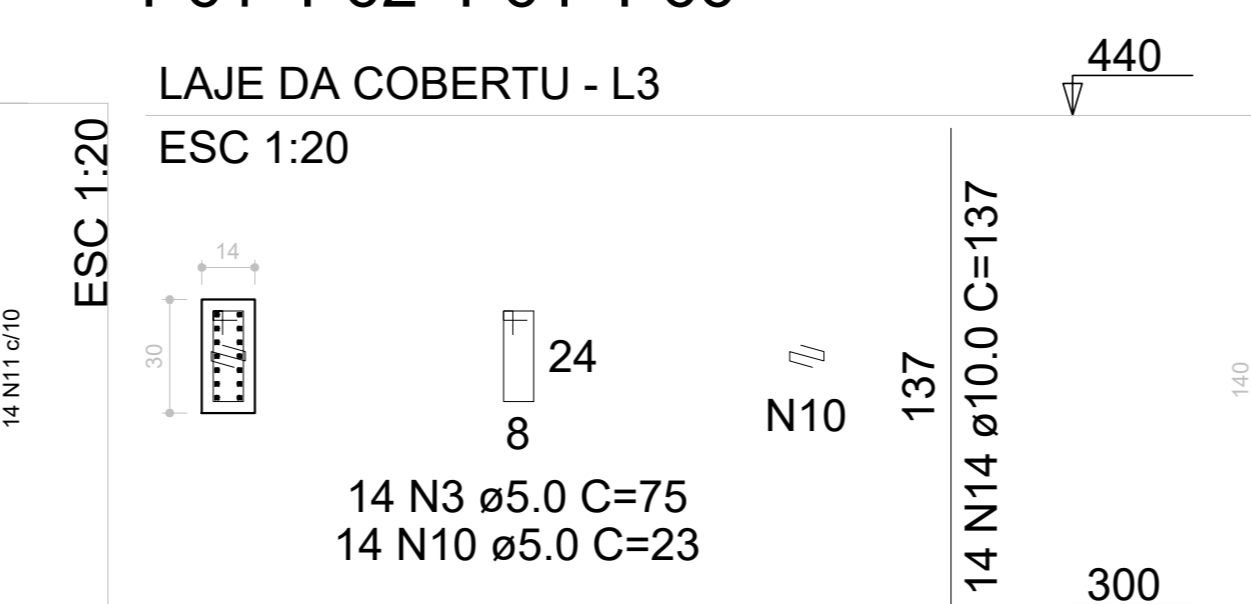
P56



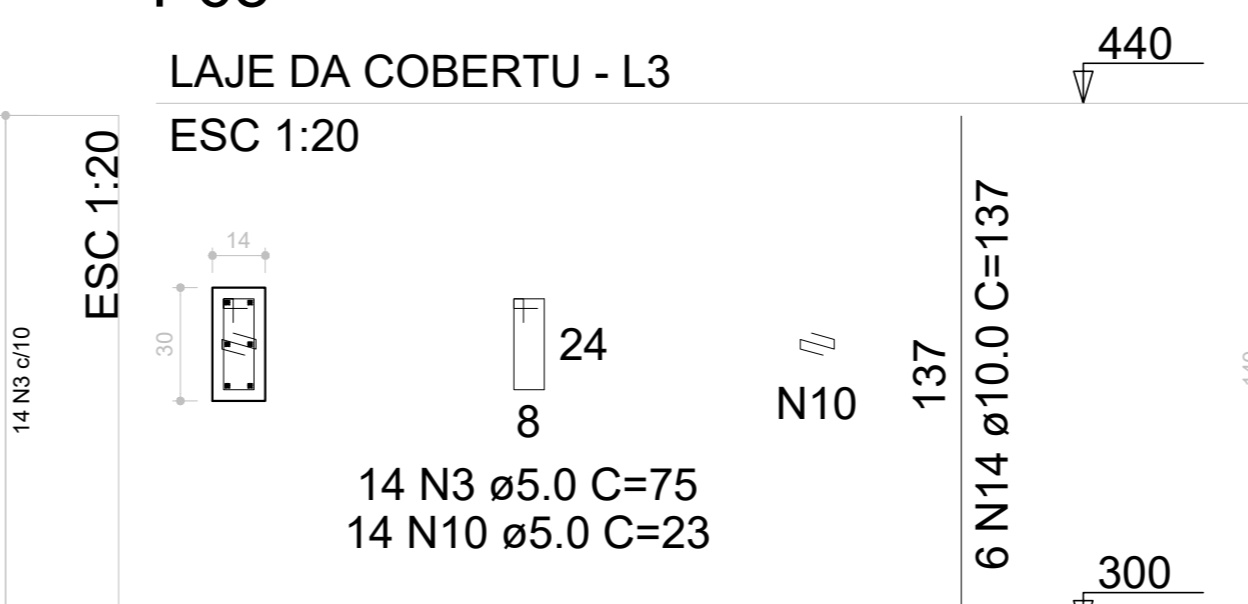
P57



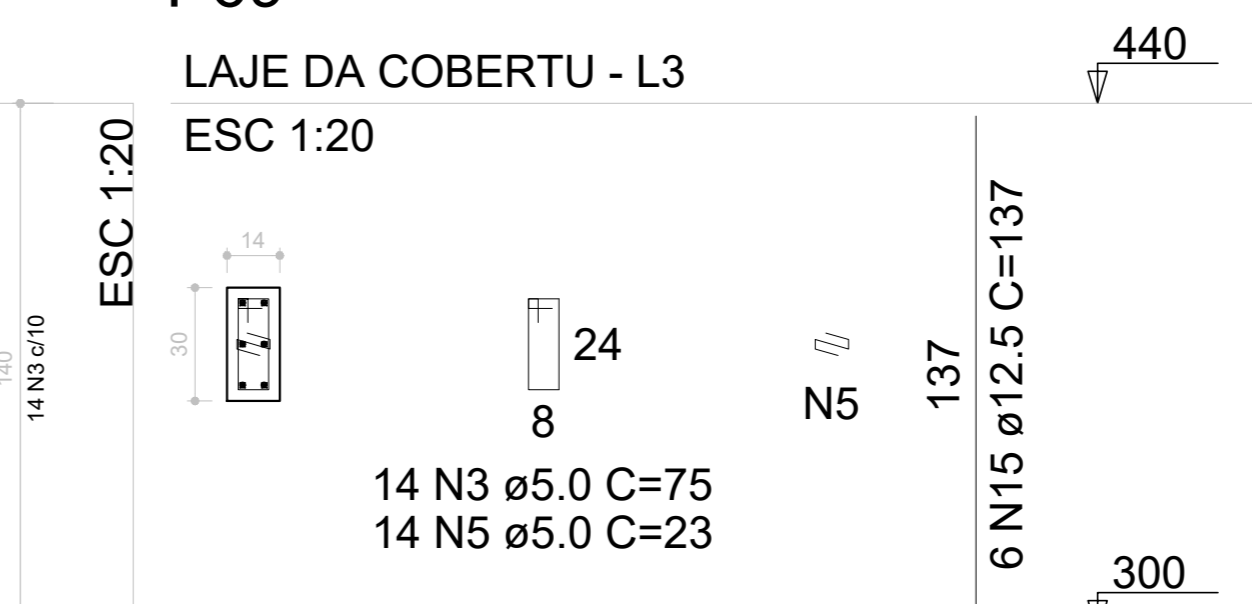
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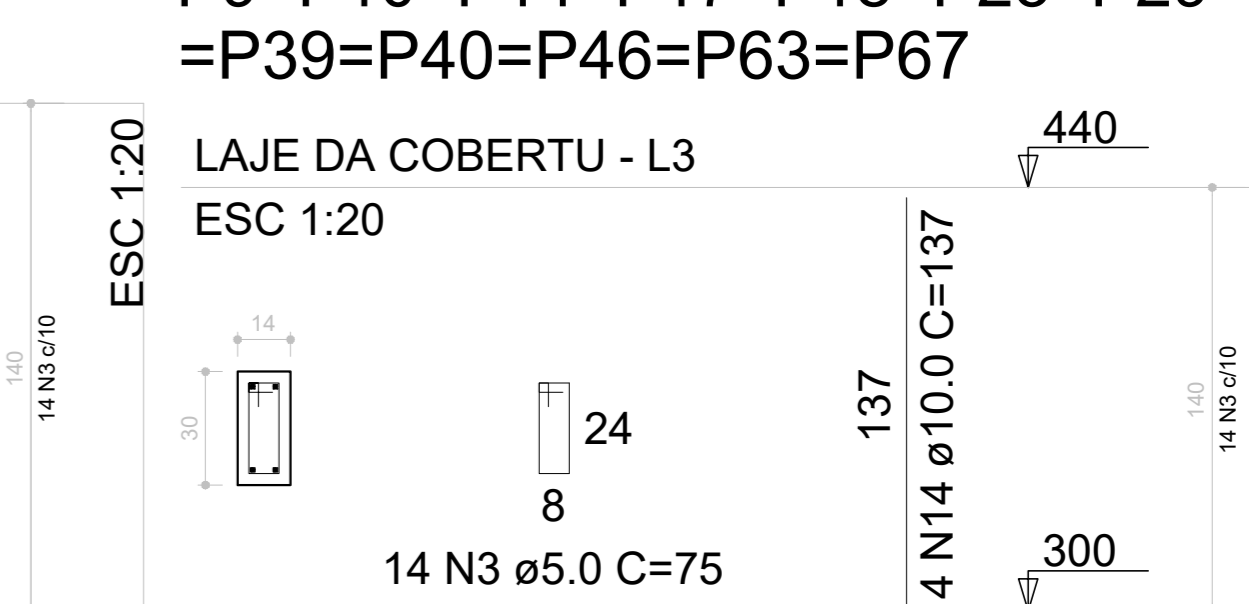
P68



P69



P9=P10=P14=P17=P18=P23=P29=P30=P39=P40=P46=P63=P67



RELAÇÃO DO AÇO


P3	P4	13xP9
5xP24	P41	P47
P50	P51	P52
P53	P54	P55
P56	P57	3xP58
4xP61	P68	P69

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	56	21	1176
	2	5.0	28	91	2548
	3	5.0	336	75	25200
	4	5.0	84	71	5964
	5	5.0	168	23	3864
	6	5.0	28	115	3220
	7	5.0	14	135	1890
	8	5.0	42	24	1008
	9	5.0	14	97	1358
	10	5.0	182	23	4186
	11	5.0	28	95	2660
CA50	12	5.0	14	23	322
	13	6.3	14	72	1008
	14	10.0	262	137	35894
	15	12.5	52	137	7124
	16	16.0	6	137	822


RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	10.1	2.7
	10.0	358.9	243.4
	12.5	71.2	75.5
	16.0	8.2	14.3
CA60	5.0	534	90.5
	PESO TOTAL (kg)		
CA50	335.9		
CA60	90.5		

Volume de concreto (C-25) = 2.45 m³
Área de forma = 50.93 m²



**PREFEITURA
LUZIÂNIA**
UM NOVO TEMPO COM RESPEITO E TRABALHO



SMDU
SECRETARIA MUNICIPAL DE SAÚDE

OBRA: CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO
ENDEREÇO: R. JOÃO GONÇALVES, QD. DRM. LT. 01, SETOR FUMAL, LUZIÂNIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA

AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

DIREITOS AUTORAIS DESTA OBRA PERTENCEM AOS PROFISSIONAIS ADM. CITADOS. É PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5.988 ART. 25.

FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
OUTROS:	

FOLHA: 2/3

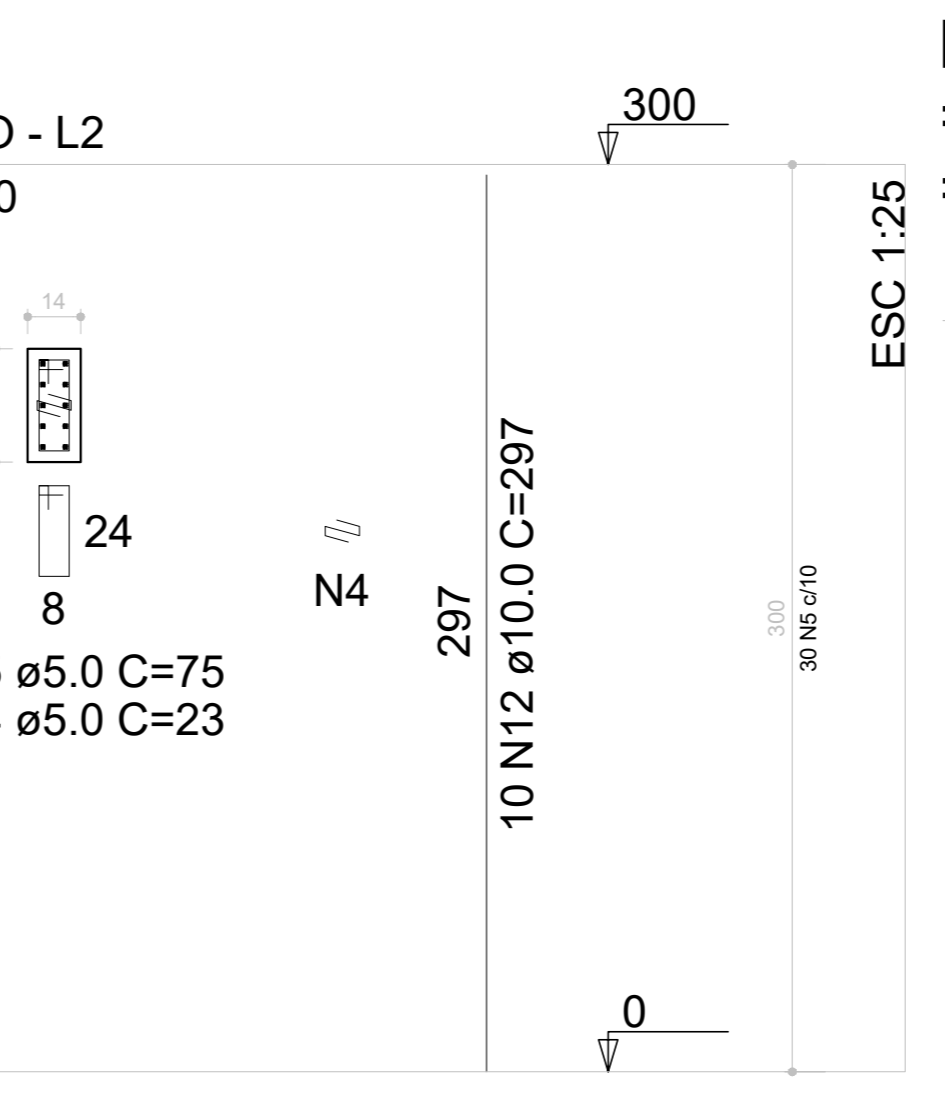
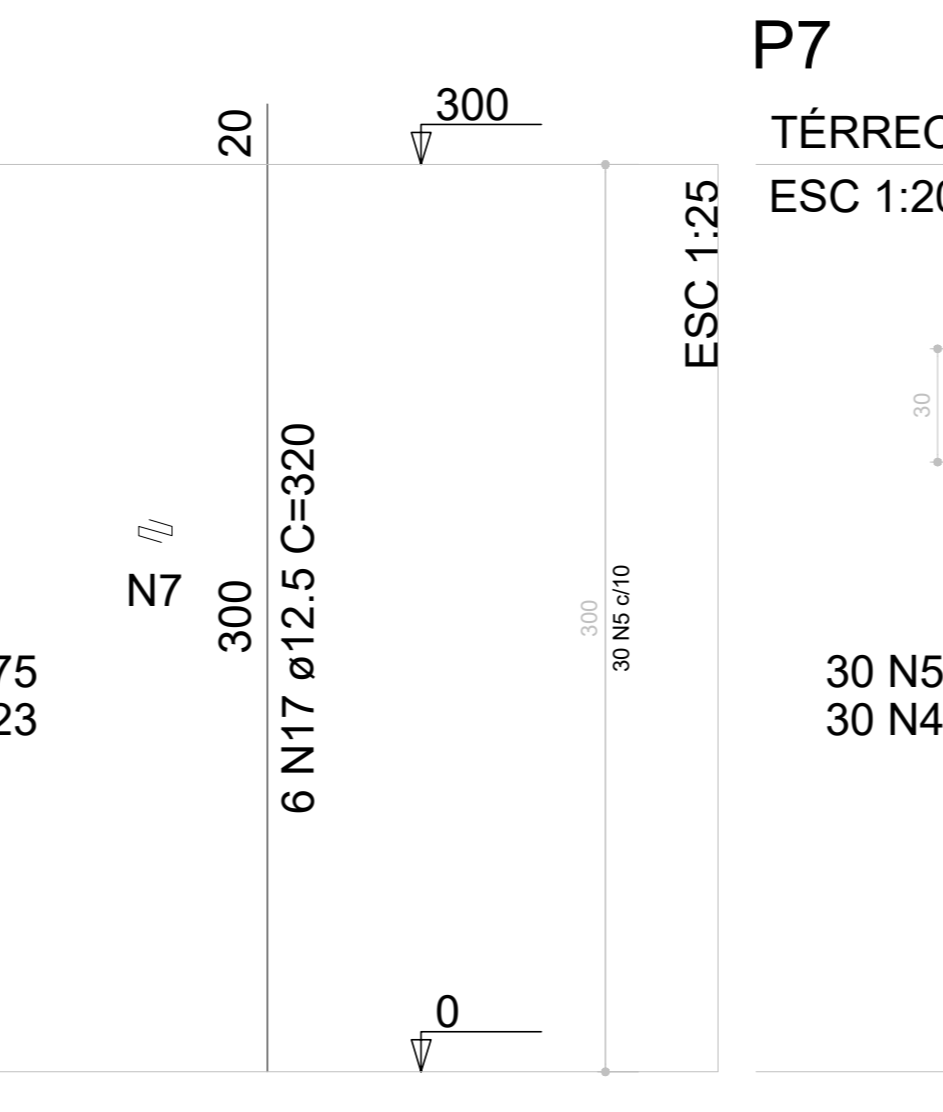
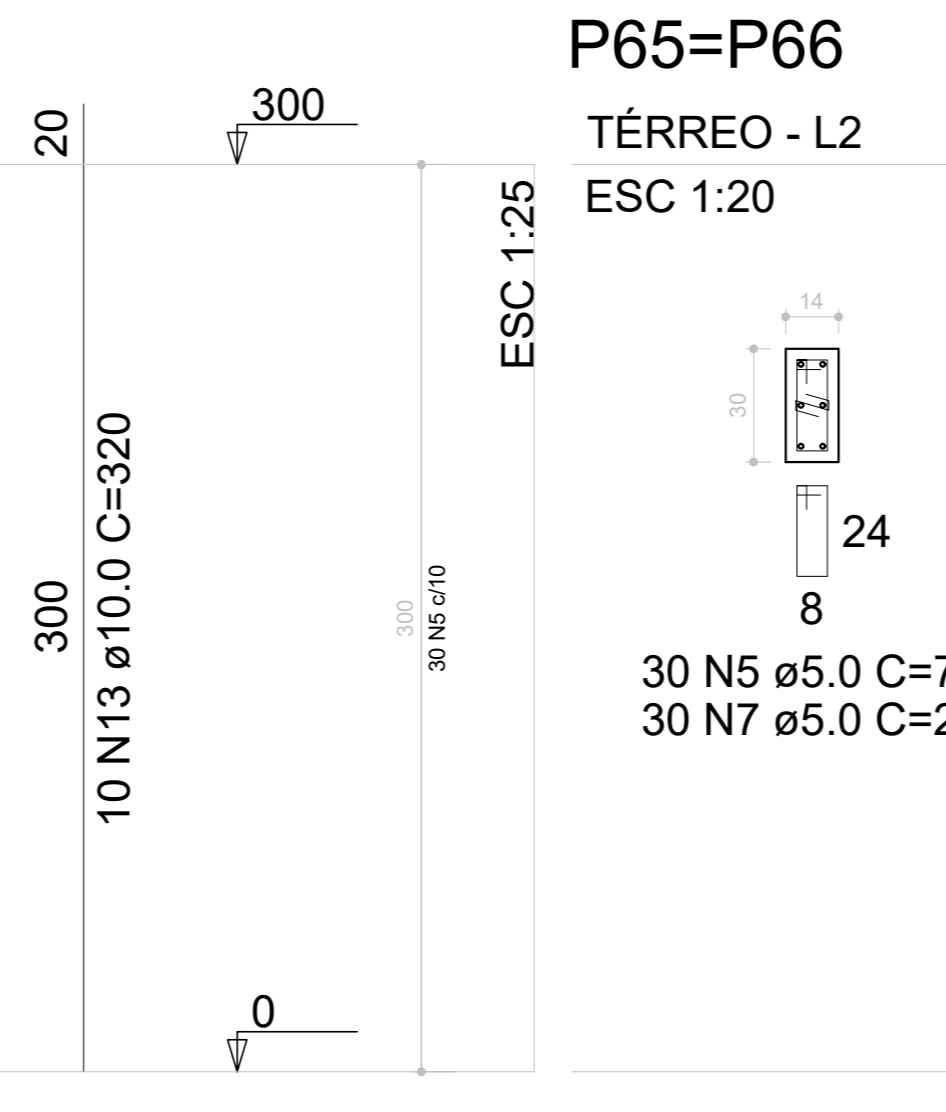
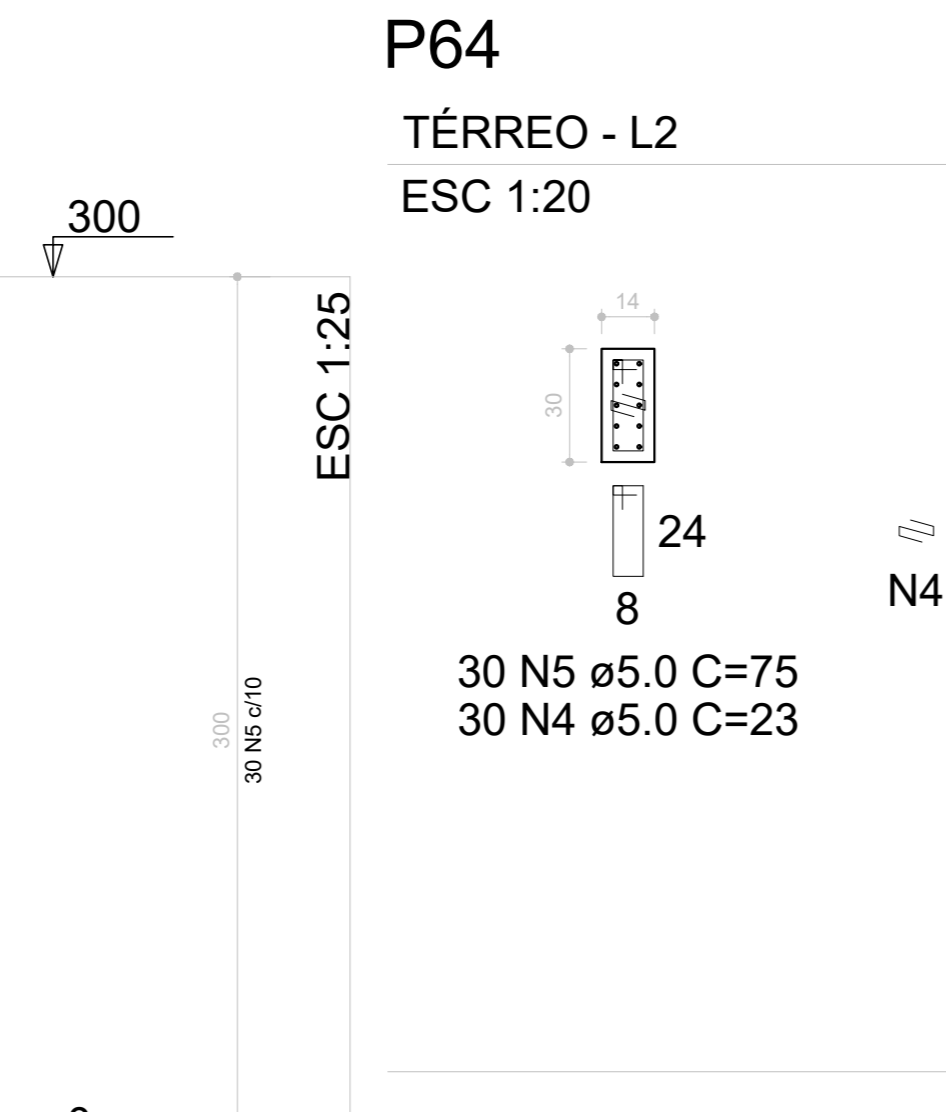
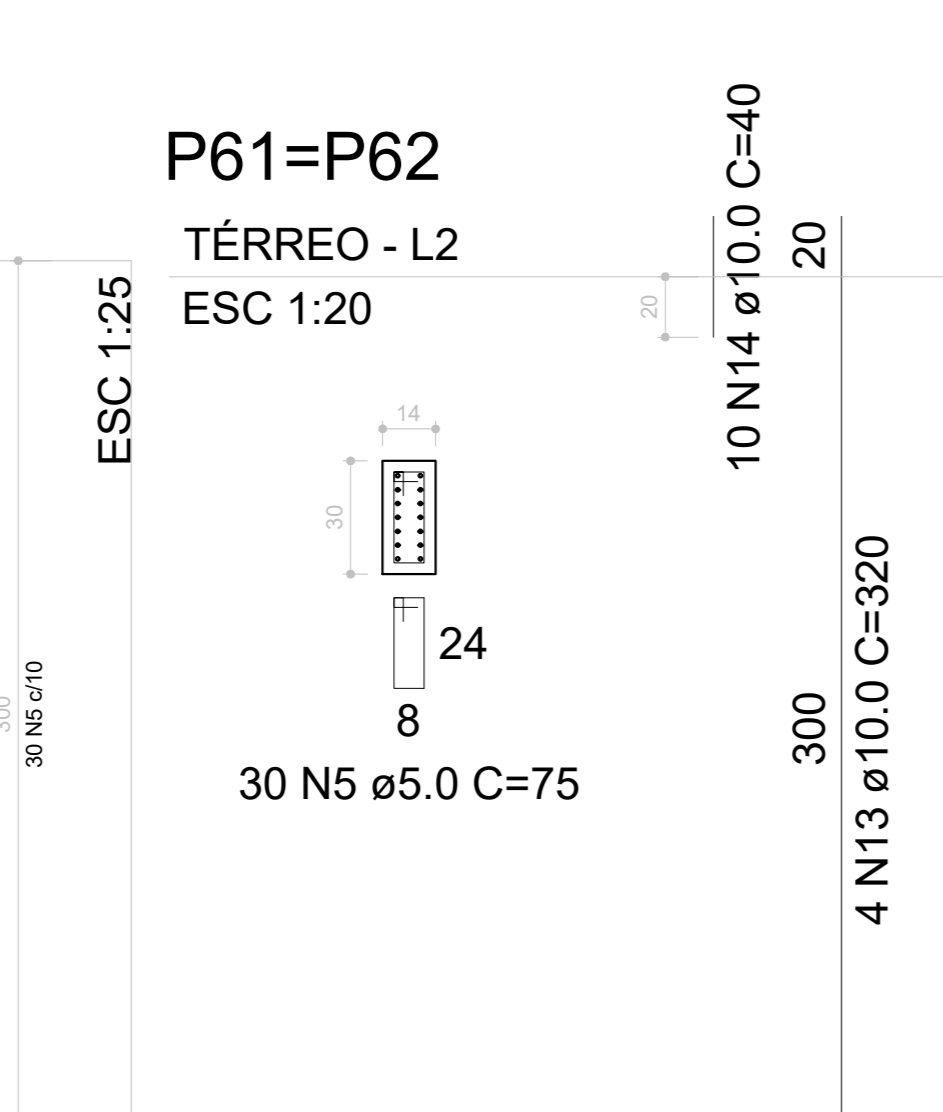
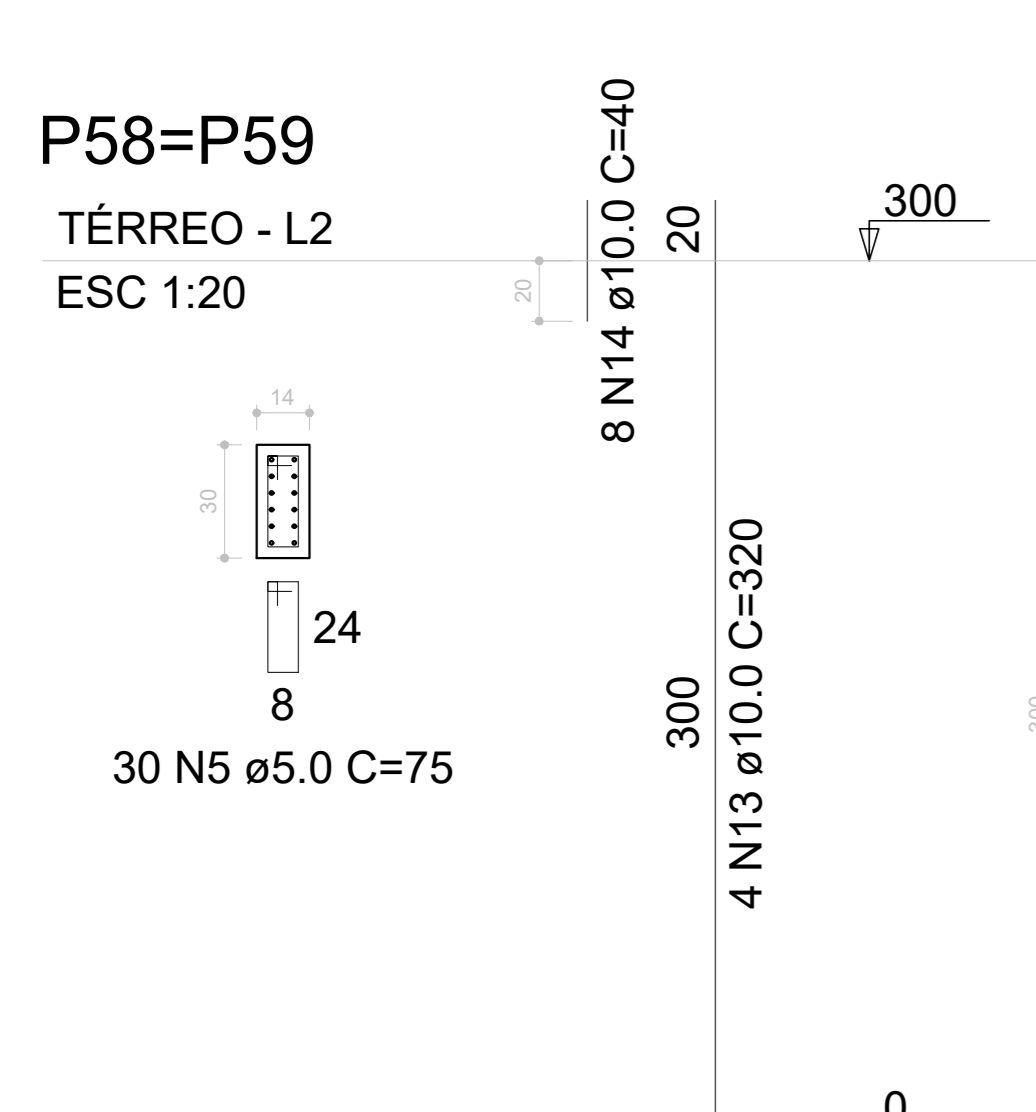
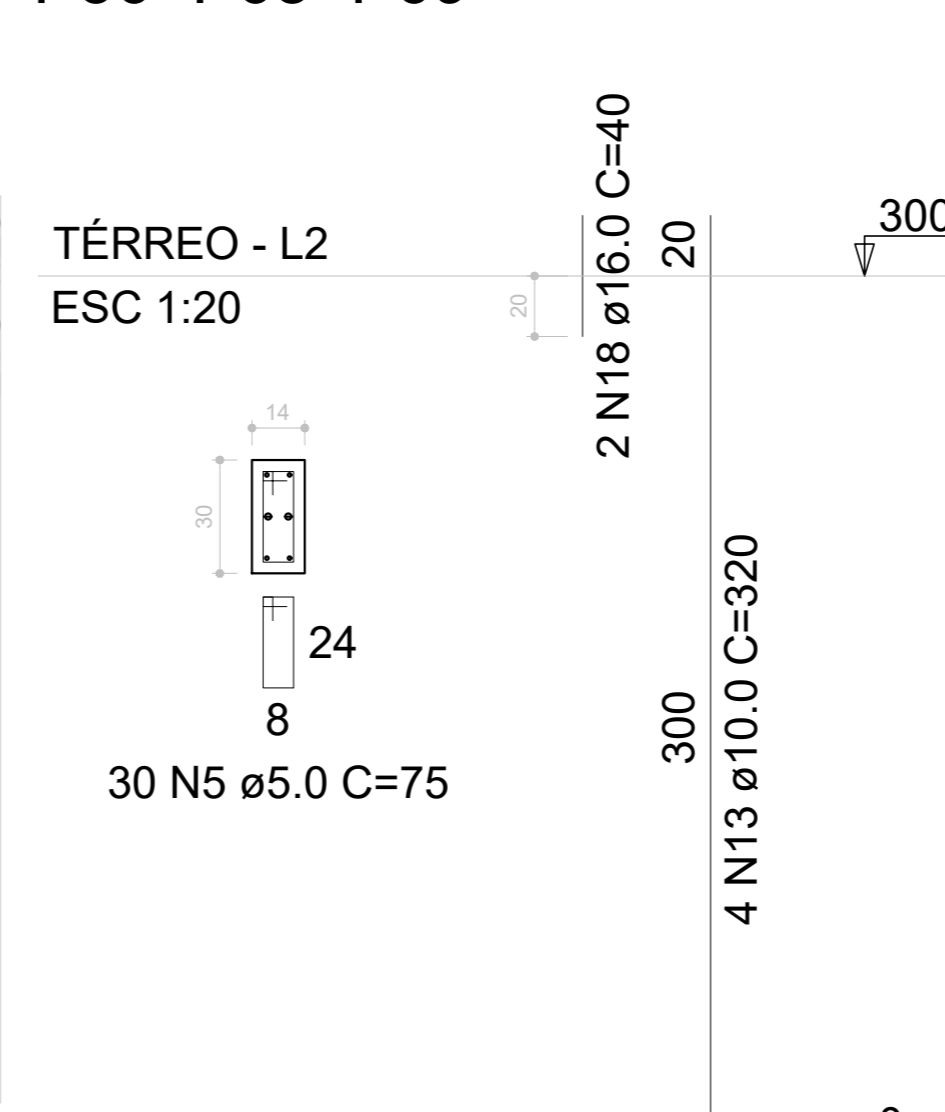
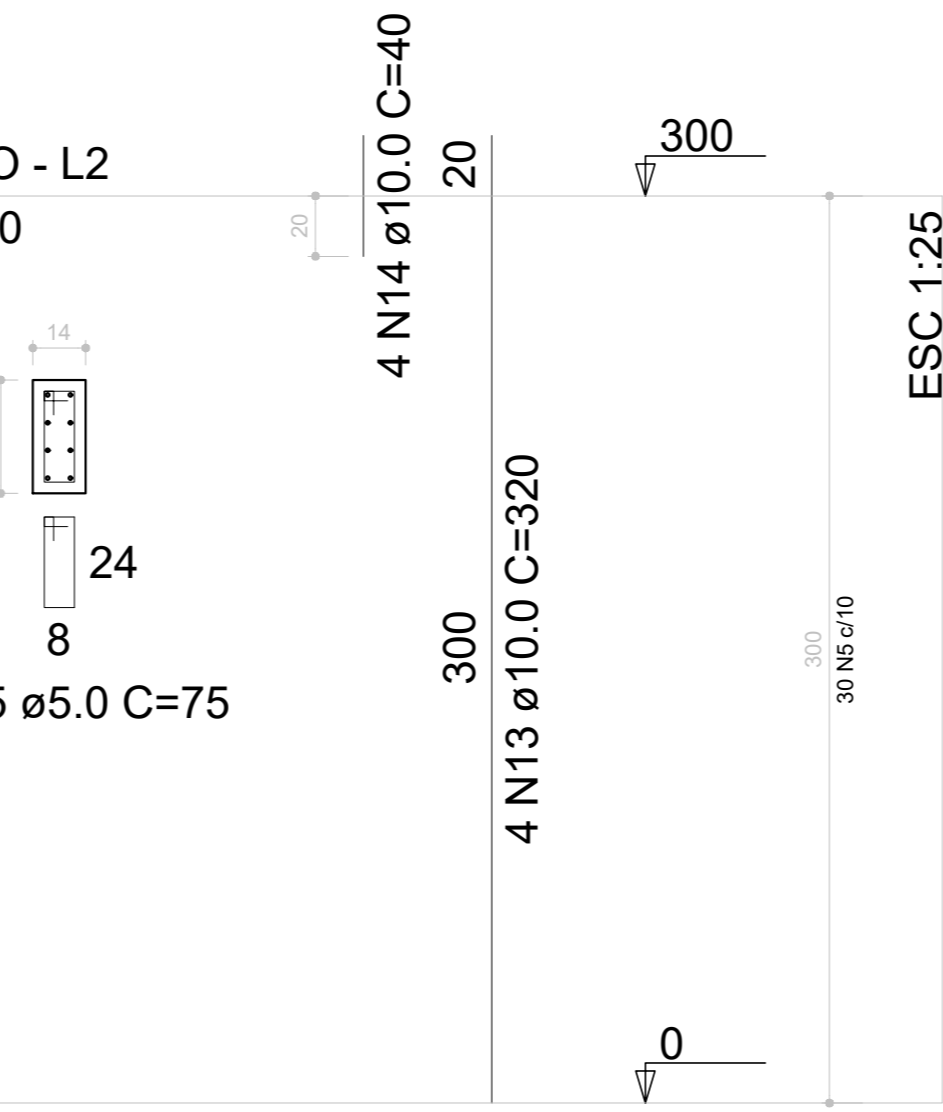
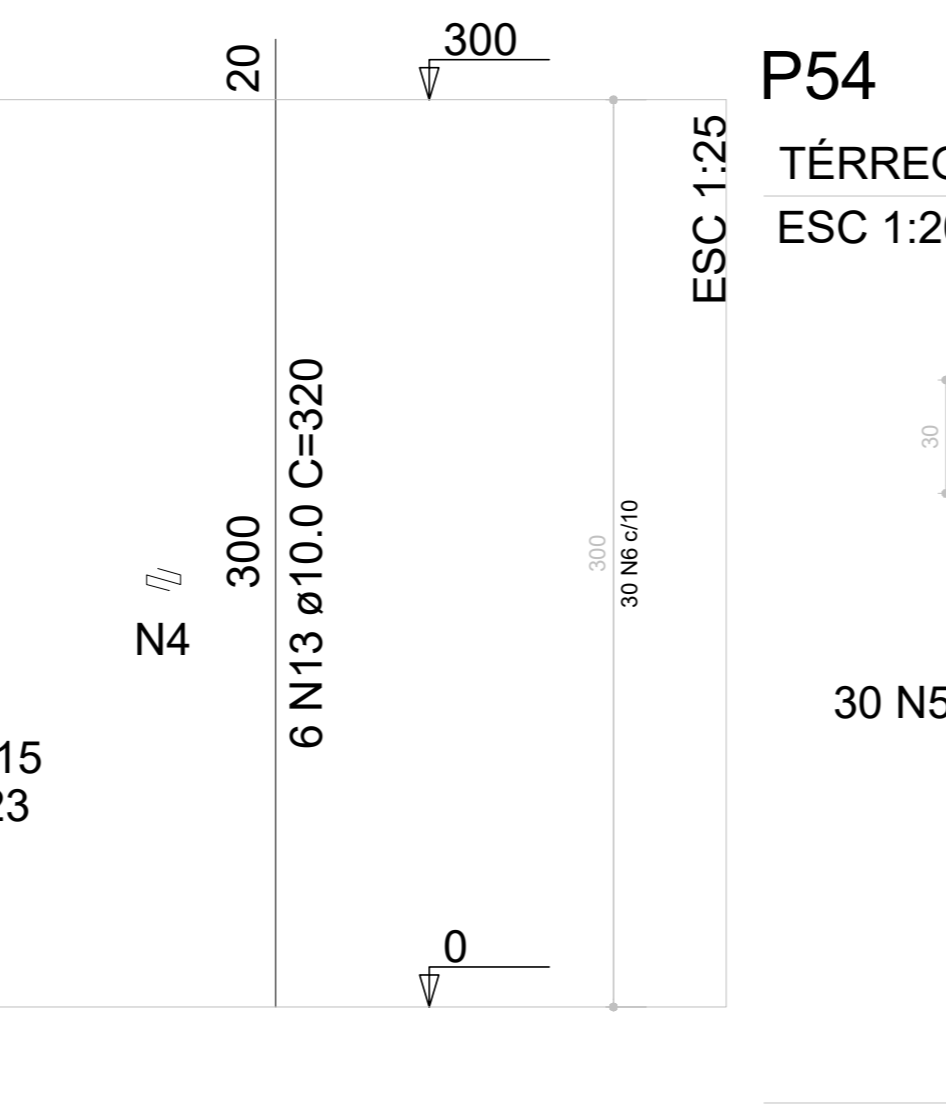
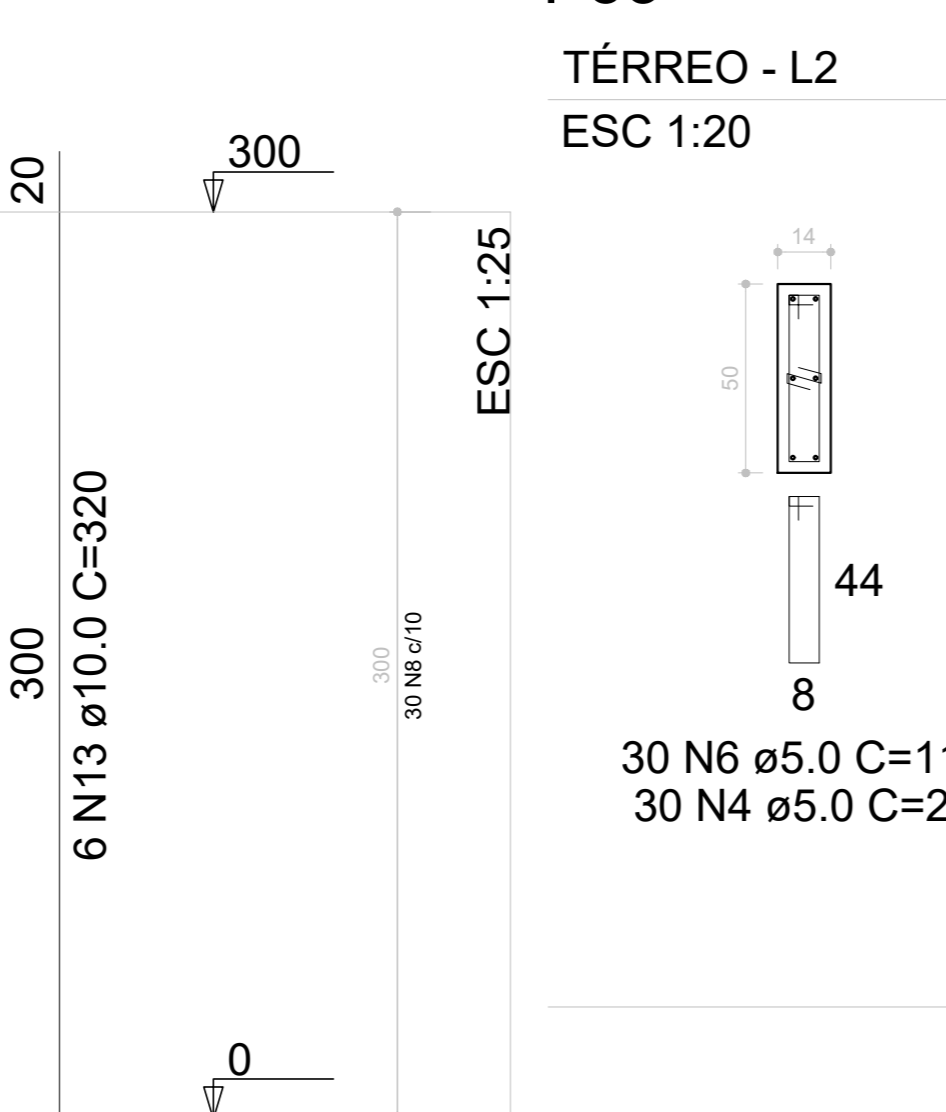
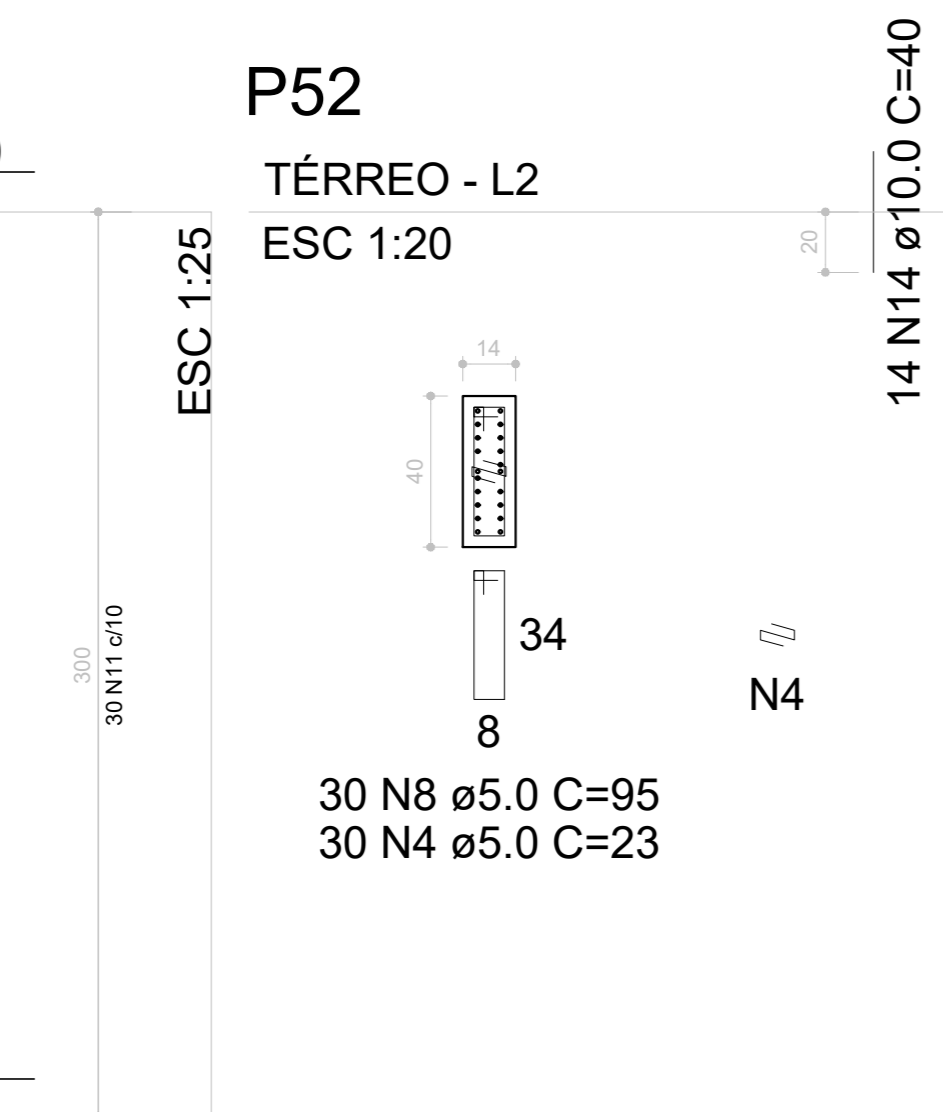
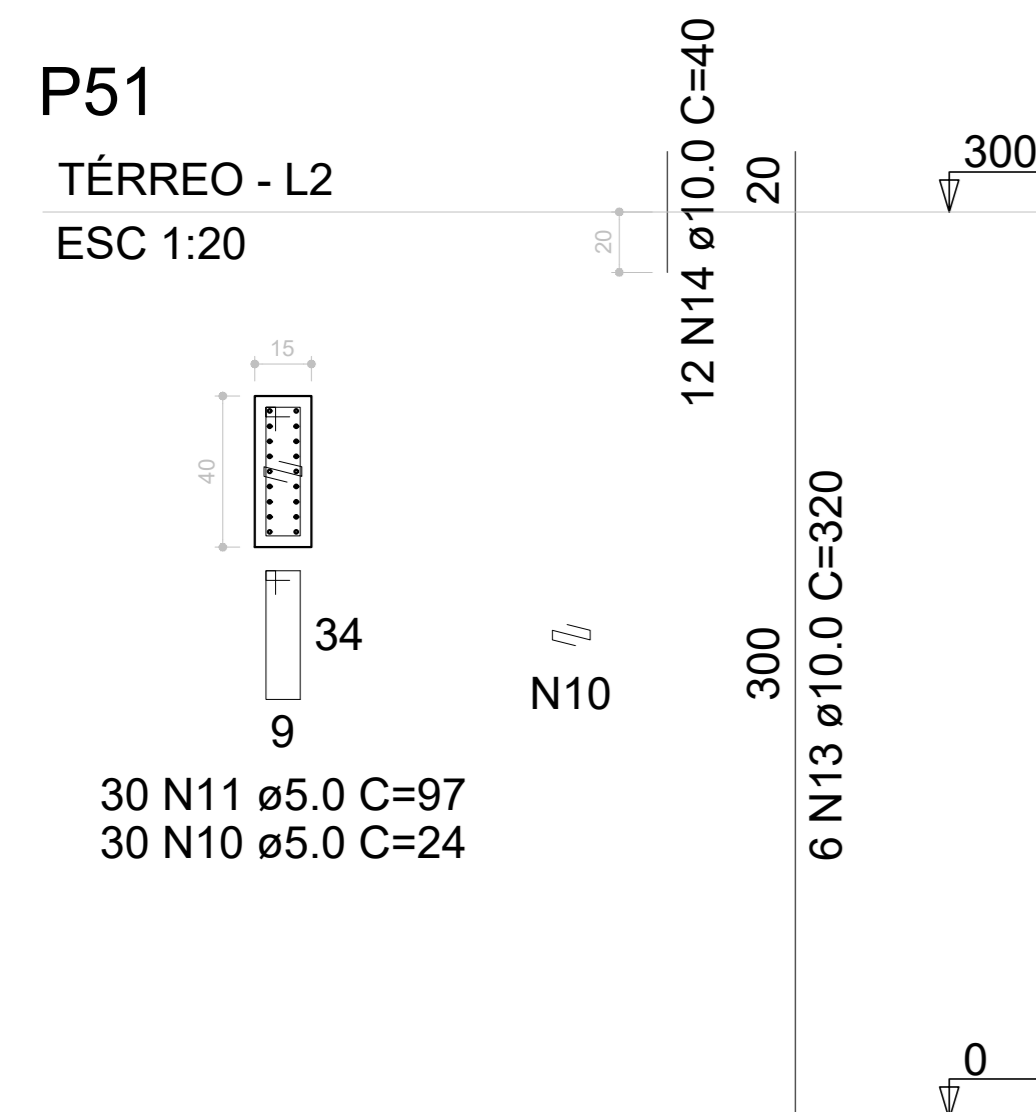
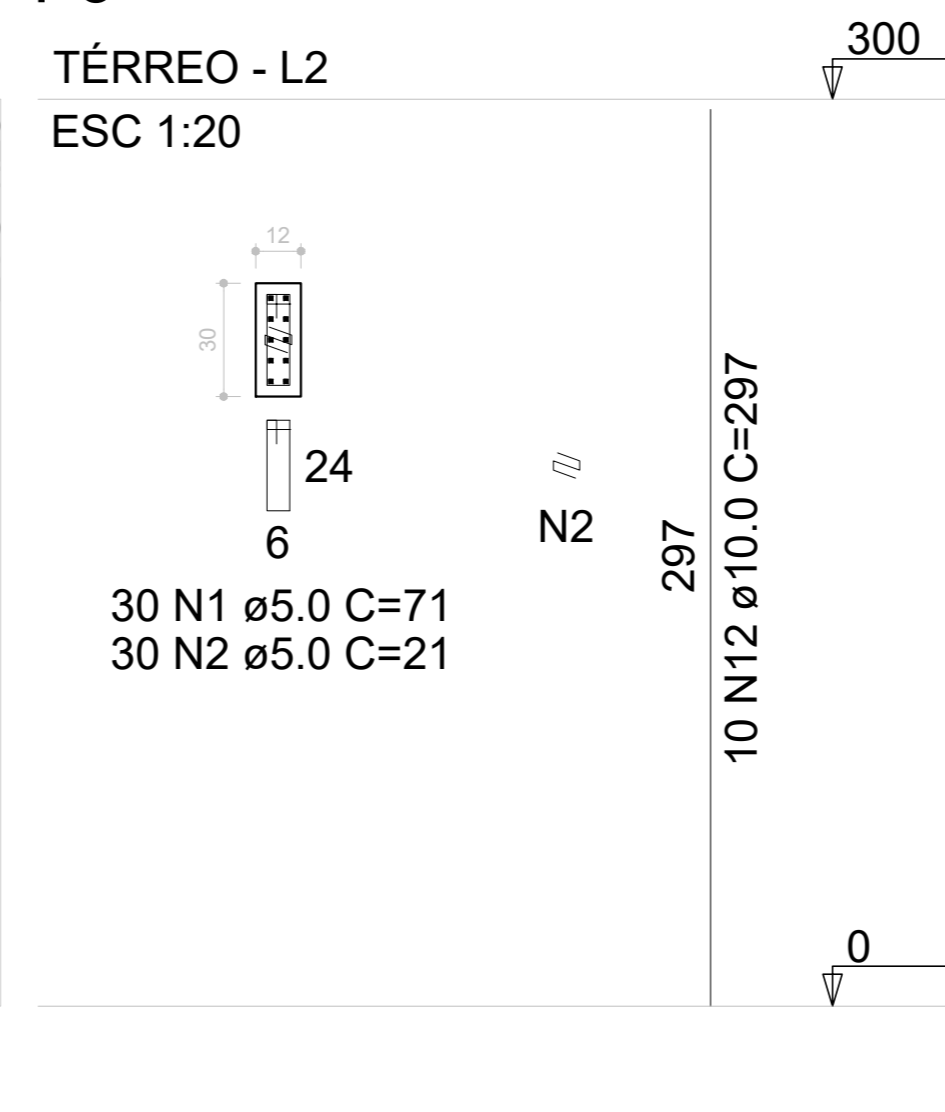
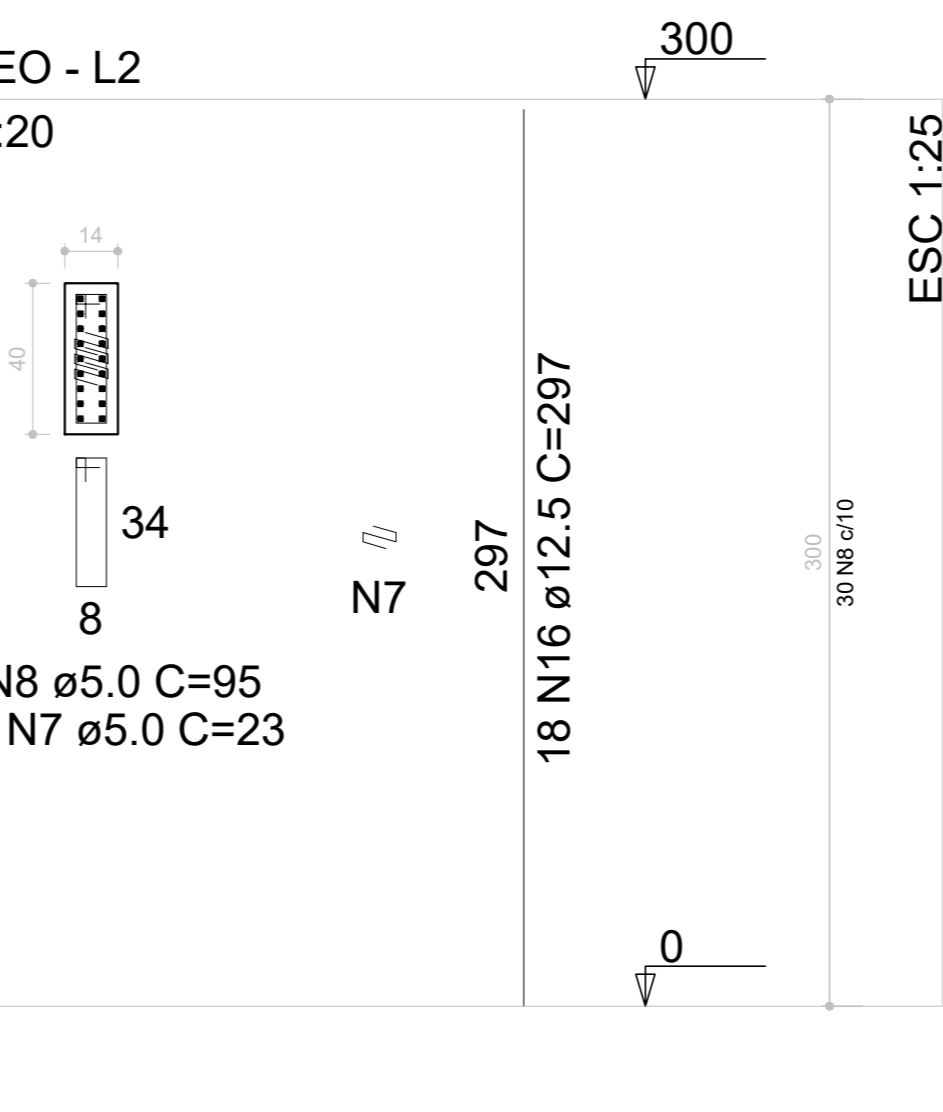
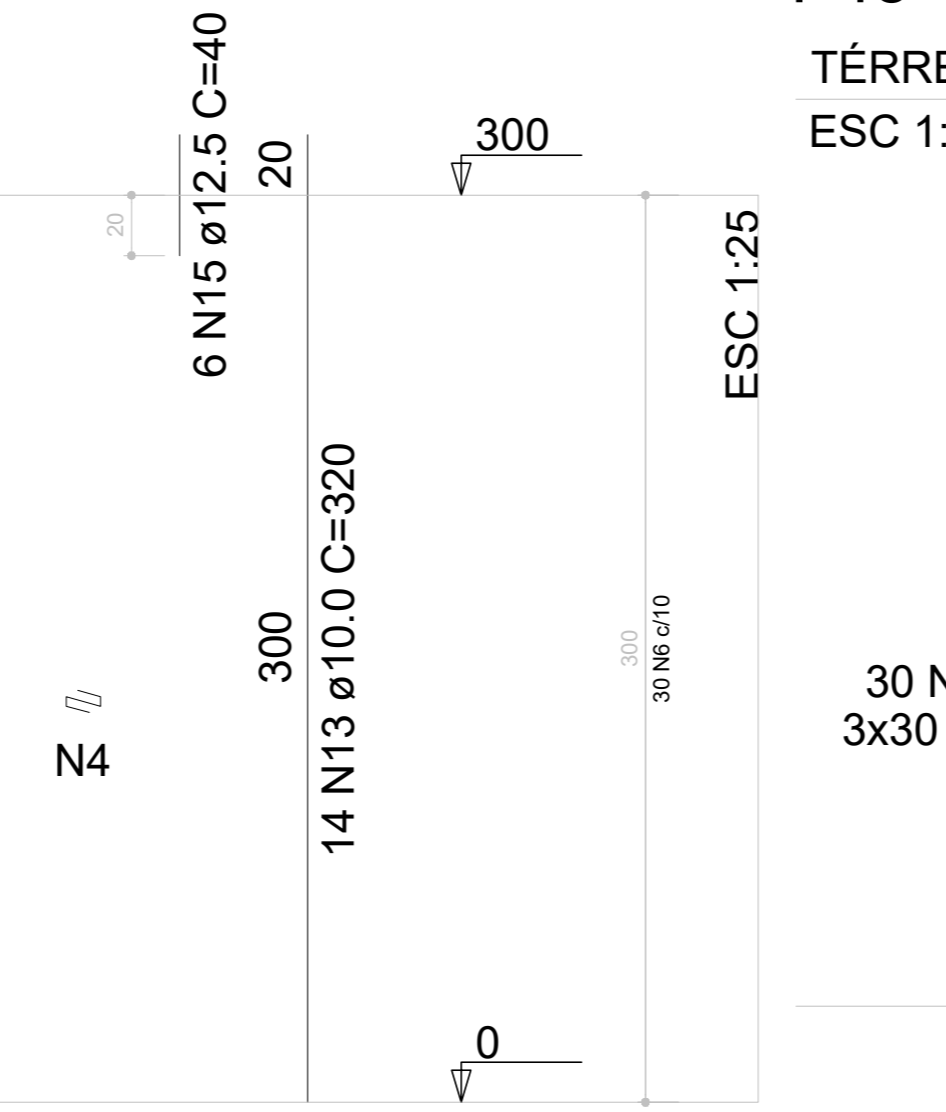
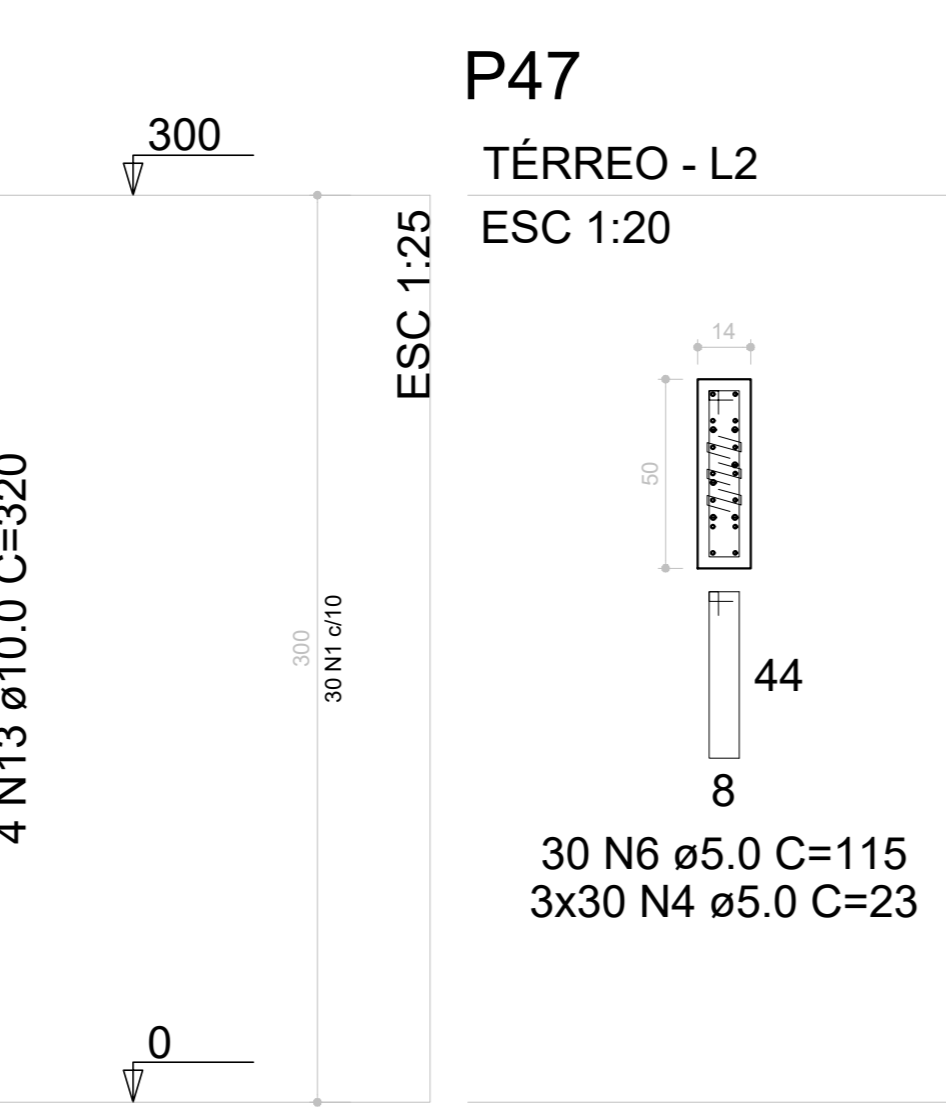
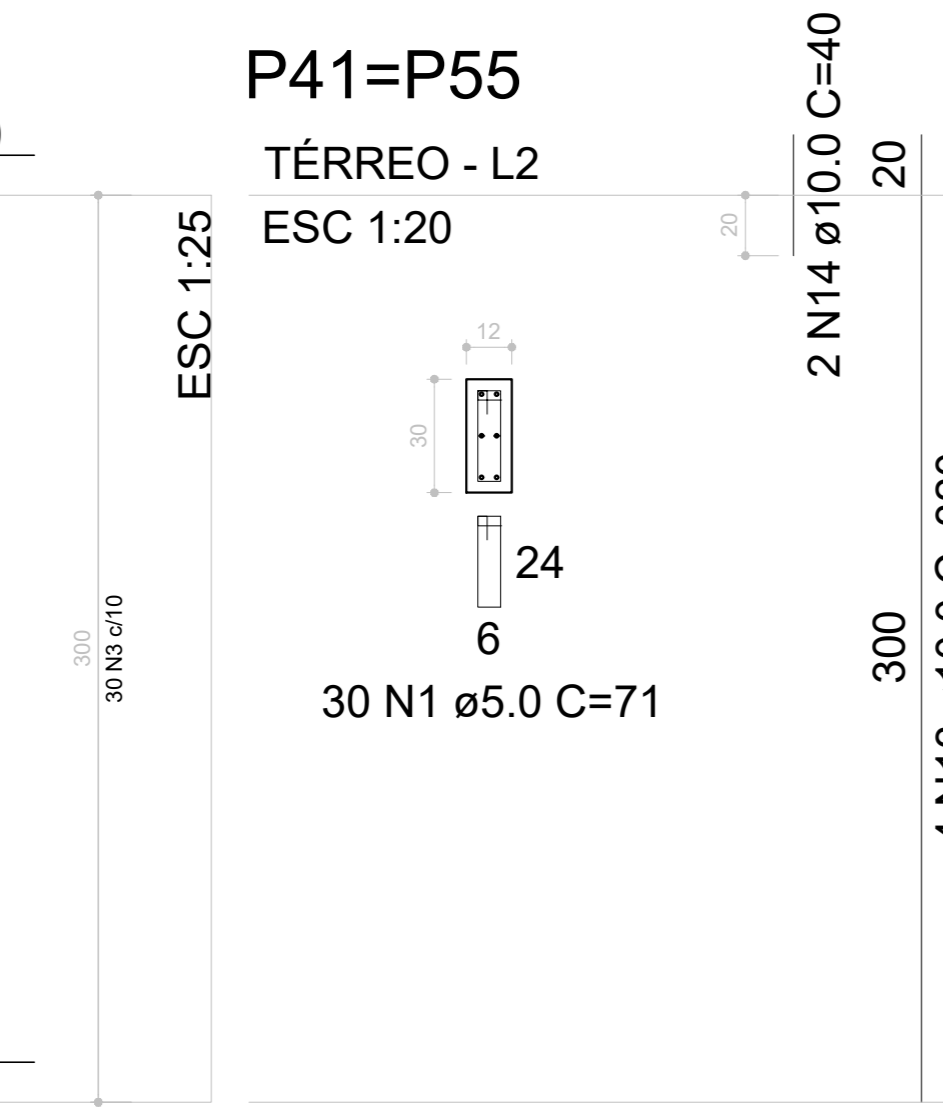
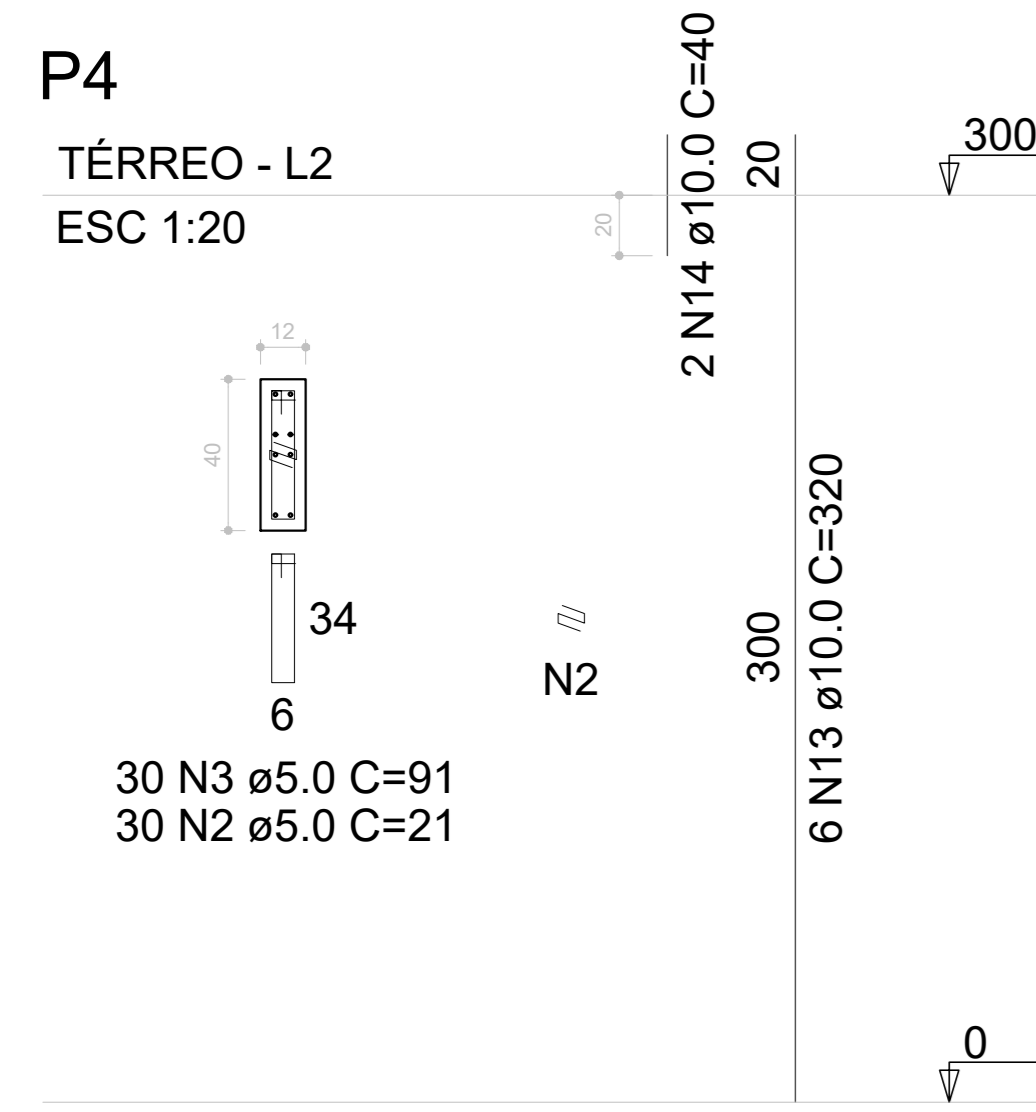
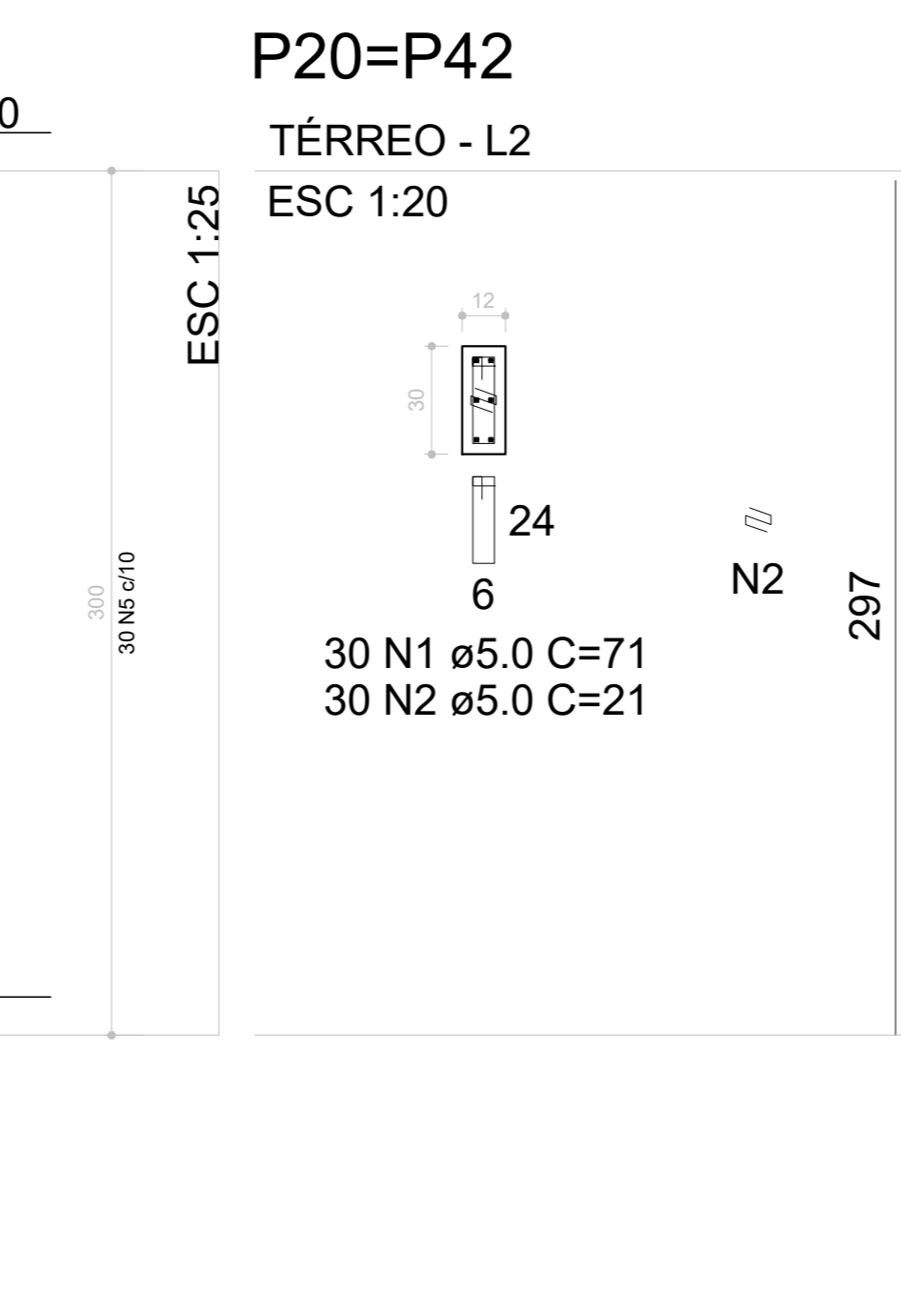
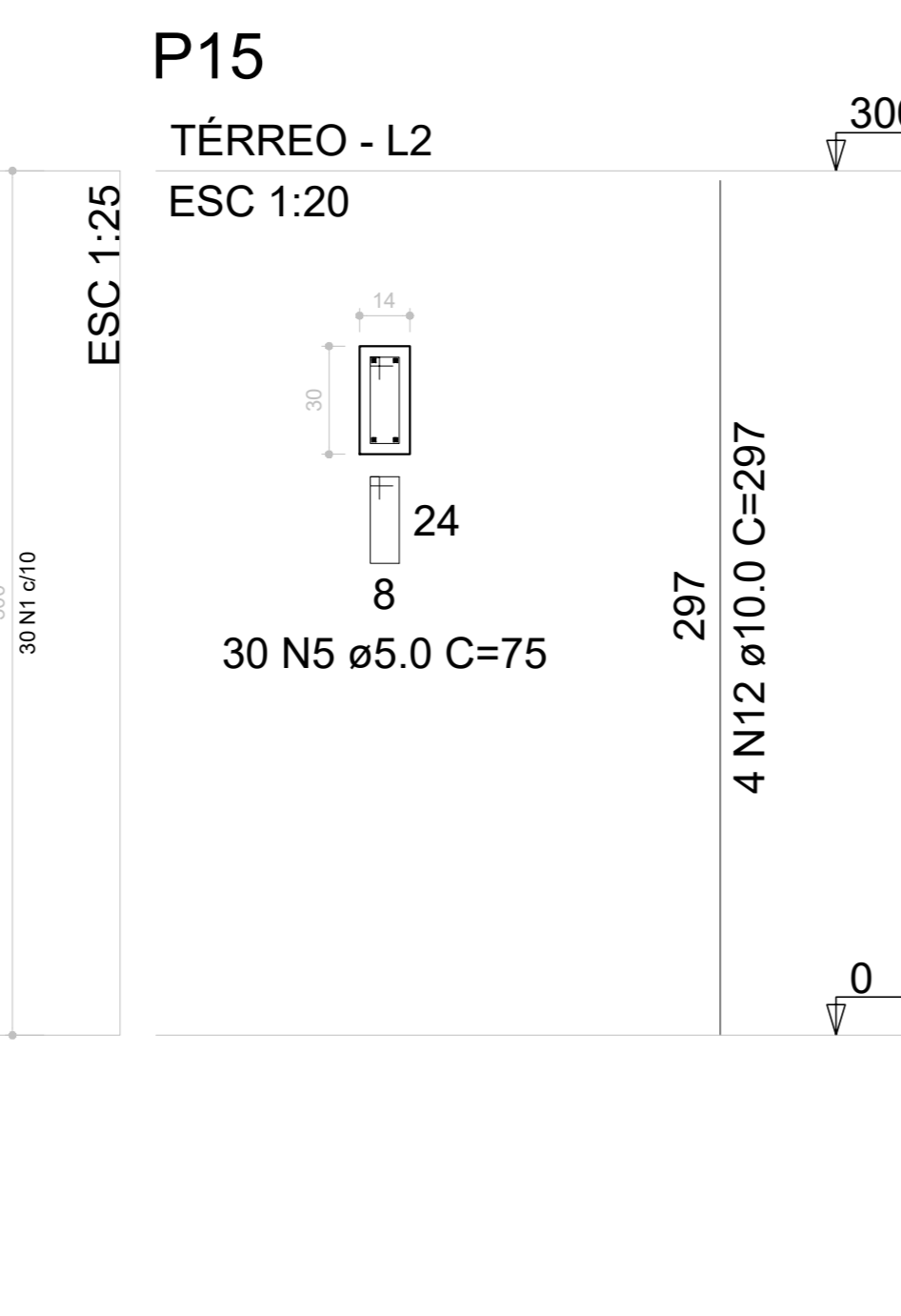
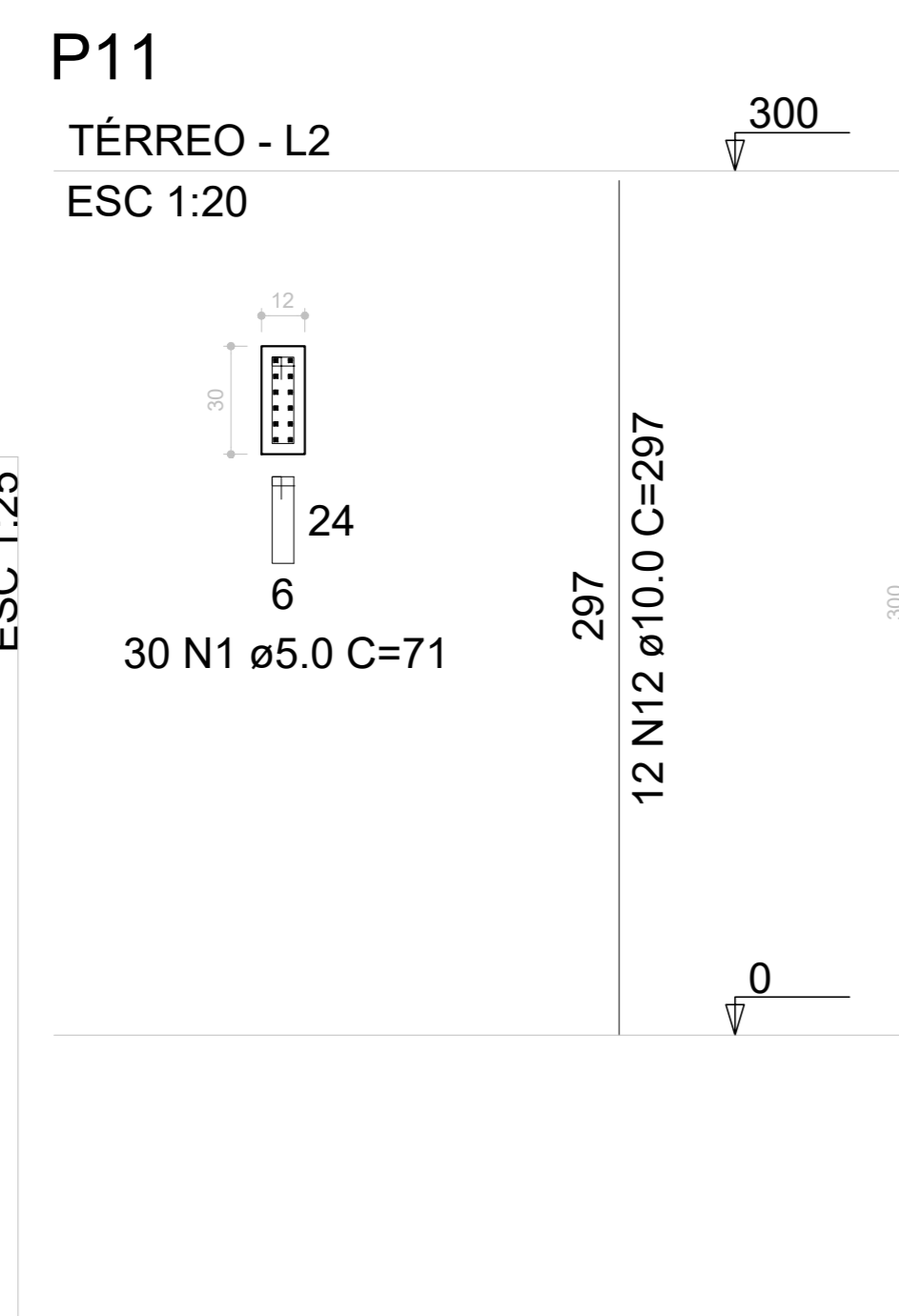
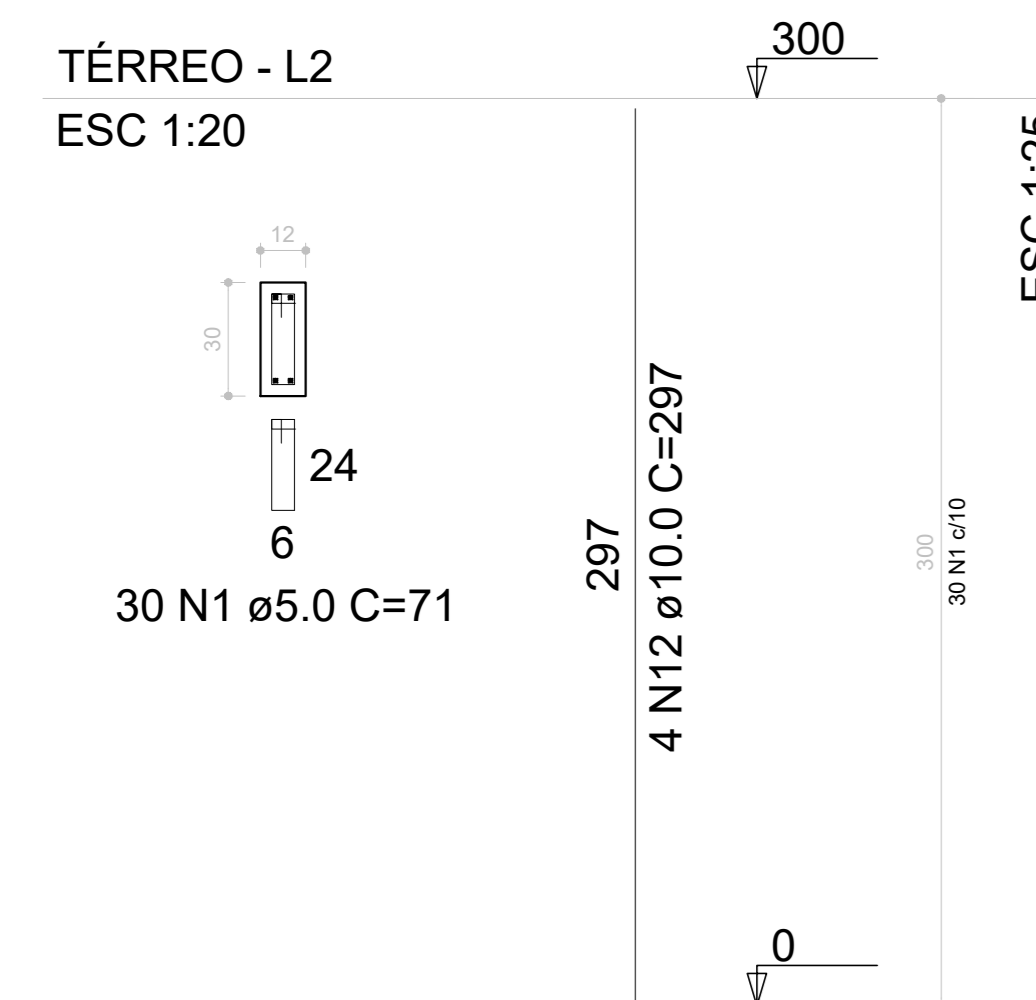
CONTEÚDO: ESTRUTURAL PILARES

ÁREAS: INDICADA EM QUADRO

DATA: 02/2023 **DESENHO:** ISABELLE MORAES **ESCALA:** INDICADA **UNIDADE:** METROS

ESTRUTURAL

1=P1=P2=P6=P8=P12=P13=
=P16=P19=P21=P22=P25=
=P26=P27=P28=P31=P32=
=P34=P35=P37=P38=P43=
=P44=P45



RELAÇÃO DO AÇO

24x 1	P3	P4
P5	P7	13xP9
P11	P15	2xP20
5xP24	2xP41	P47
P48	P50	P51
P52	P53	P54
3xP56	P57	2xP58
2xP61	P64	2xP65


AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1050	71	74550
	2	5.0	150	21	3150
	3	5.0	60	91	5460
	4	5.0	270	23	6210
	5	5.0	780	75	58500
	6	5.0	60	115	6900
	7	5.0	150	23	3450
	8	5.0	90	95	8550
	9	5.0	30	135	4050
	10	5.0	30	24	720
	11	5.0	30	97	2910
	12	10.0	144	297	42768
	13	10.0	178	320	56960
	14	10.0	80	40	3200
	15	12.5	26	40	1040
	16	12.5	18	297	5346
	17	12.5	12	320	3840
	18	16.0	6	40	240

RESUMO DO AÇO


AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	1029.3	698
CA60	12.5	102.3	108.4
CA60	16.0	2.4	4.2
CA60	5.0	1744.5	295.8
PESO TOTAL (kg)			
CA50	810.6		
CA60	295.8		

Volume de concreto (C-25) = 8.70 m³
Área de forma = 188.22 m²

ESTRUTURAL



**PREFEITURA
LUZIÂNIA**
UM NOVO TEMPO COM BEM-ESTAR E TRABALHO



SMDU
SECRETARIA MUNICIPAL DE DESENVOLVIMENTO URBANO

OBRA: CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO
ENDEREÇO: R. JOÃO GONÇALVES, QD. DRM. LT. 01, SETOR FUMAL, LUZIÂNIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA

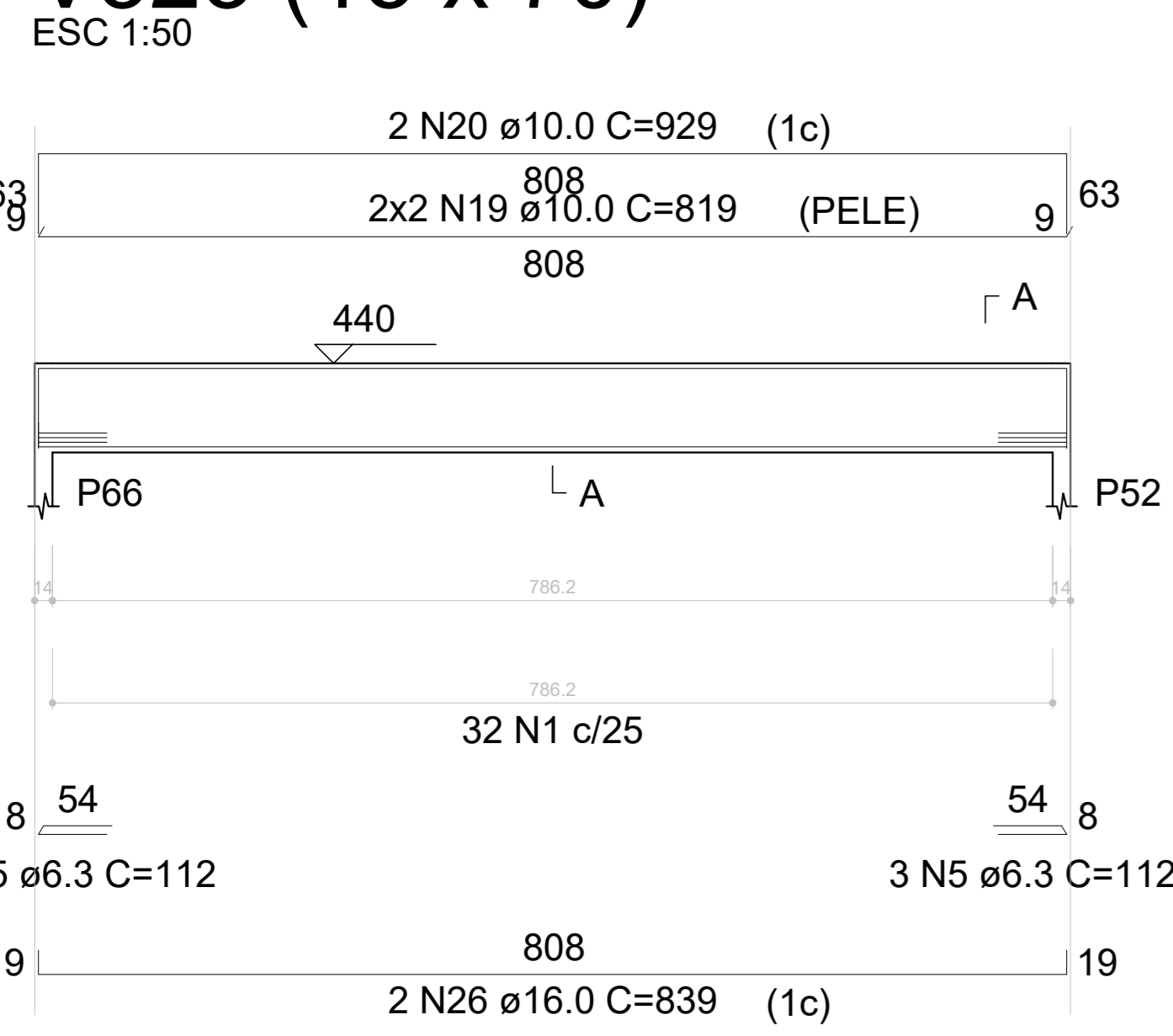
AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

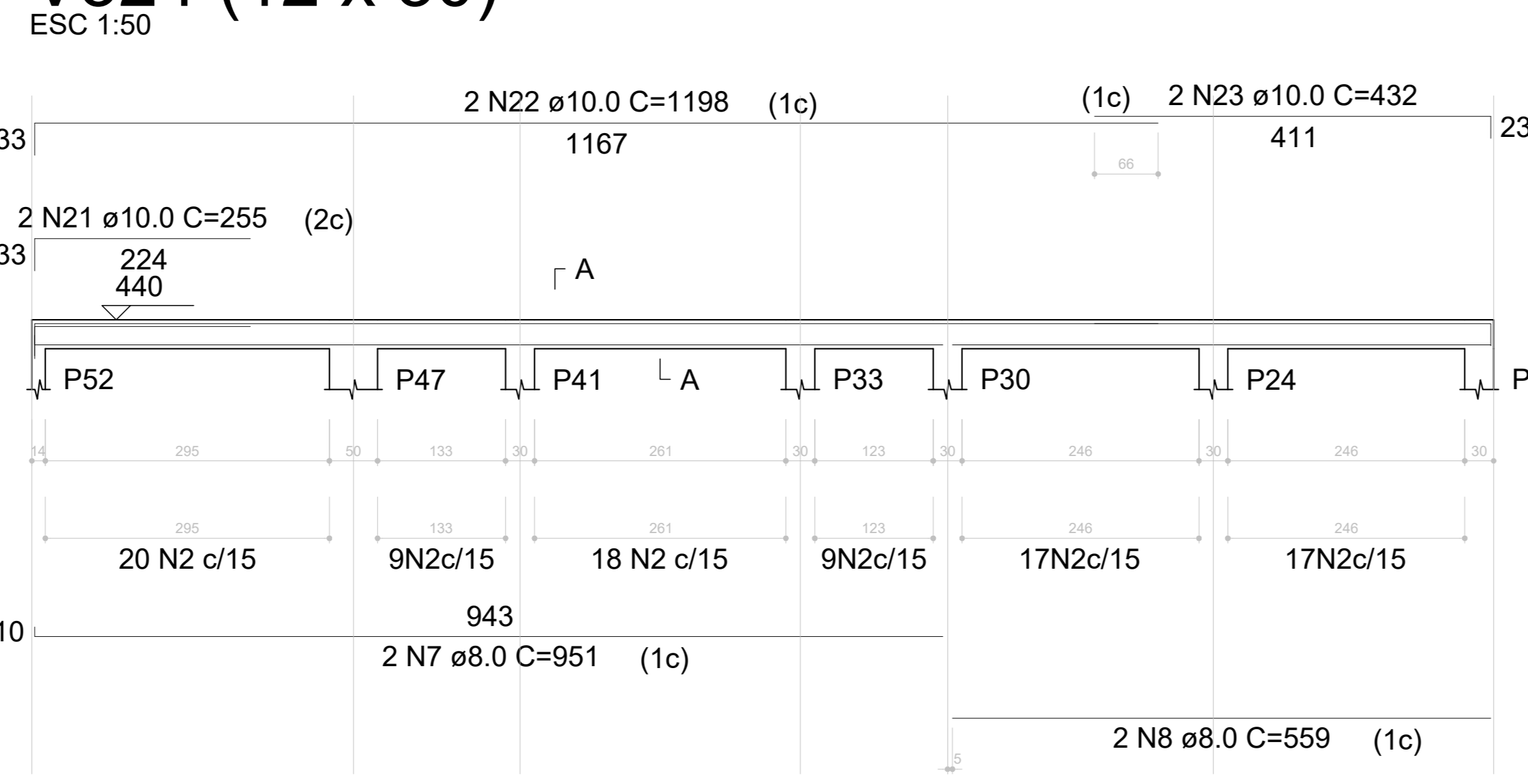
DIRITOS AUTORAIS DESTA OBRA PERTENCEM AOS PROFISSIONAIS ADM. CITADOS. É PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5.988 ART. 25.

FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
OUTROS:	

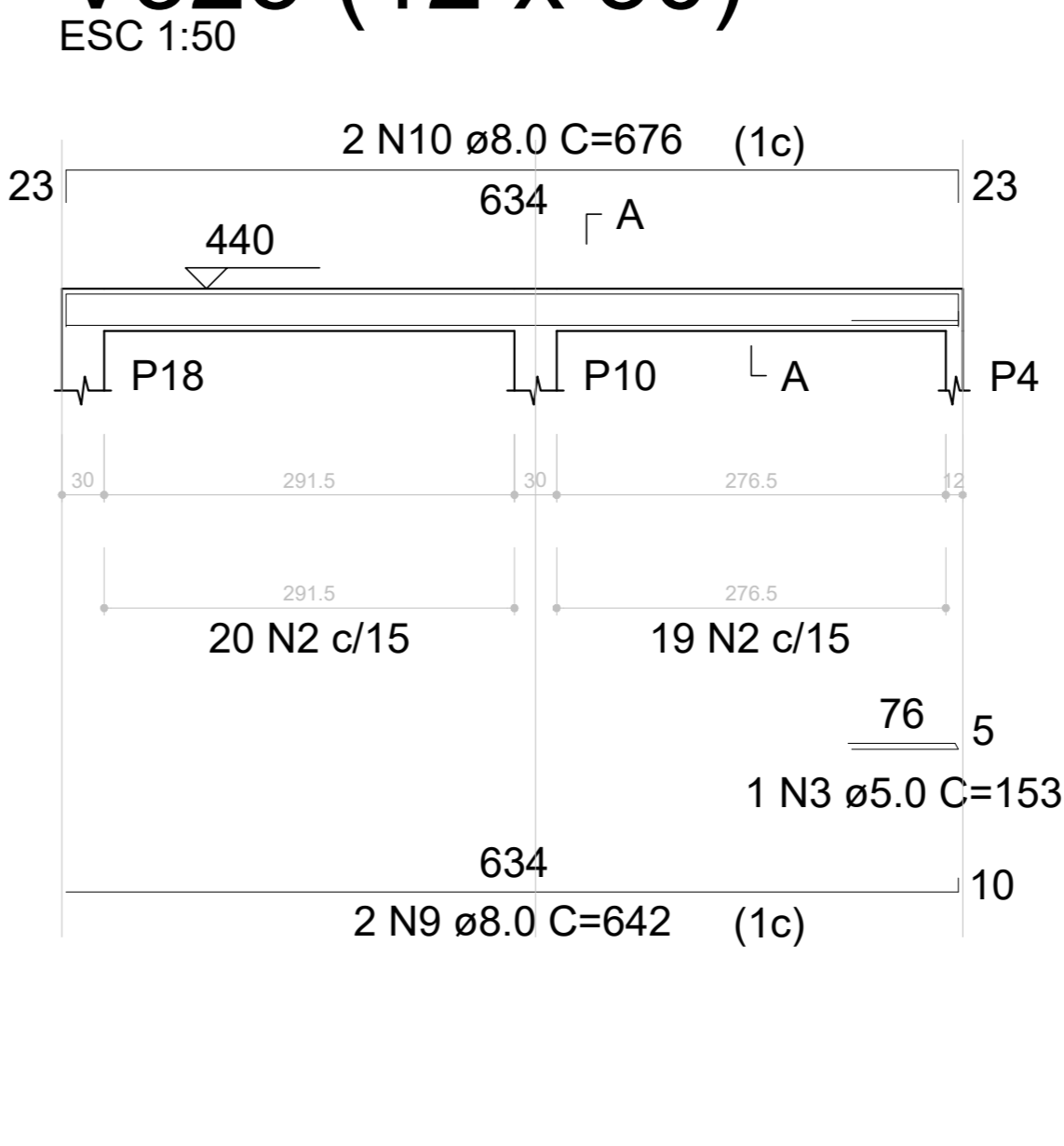
V323 (15 x 70)



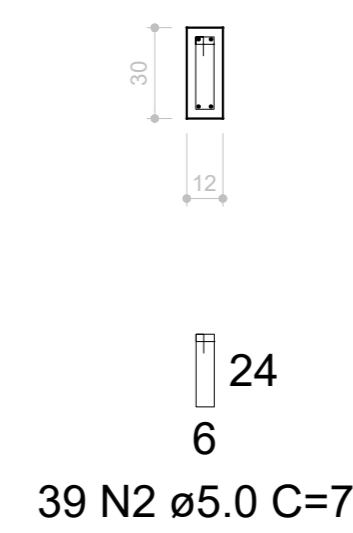
V324 (12 x 30)



V325 (12 x 30)



SEÇÃO A-A ESC 1:25

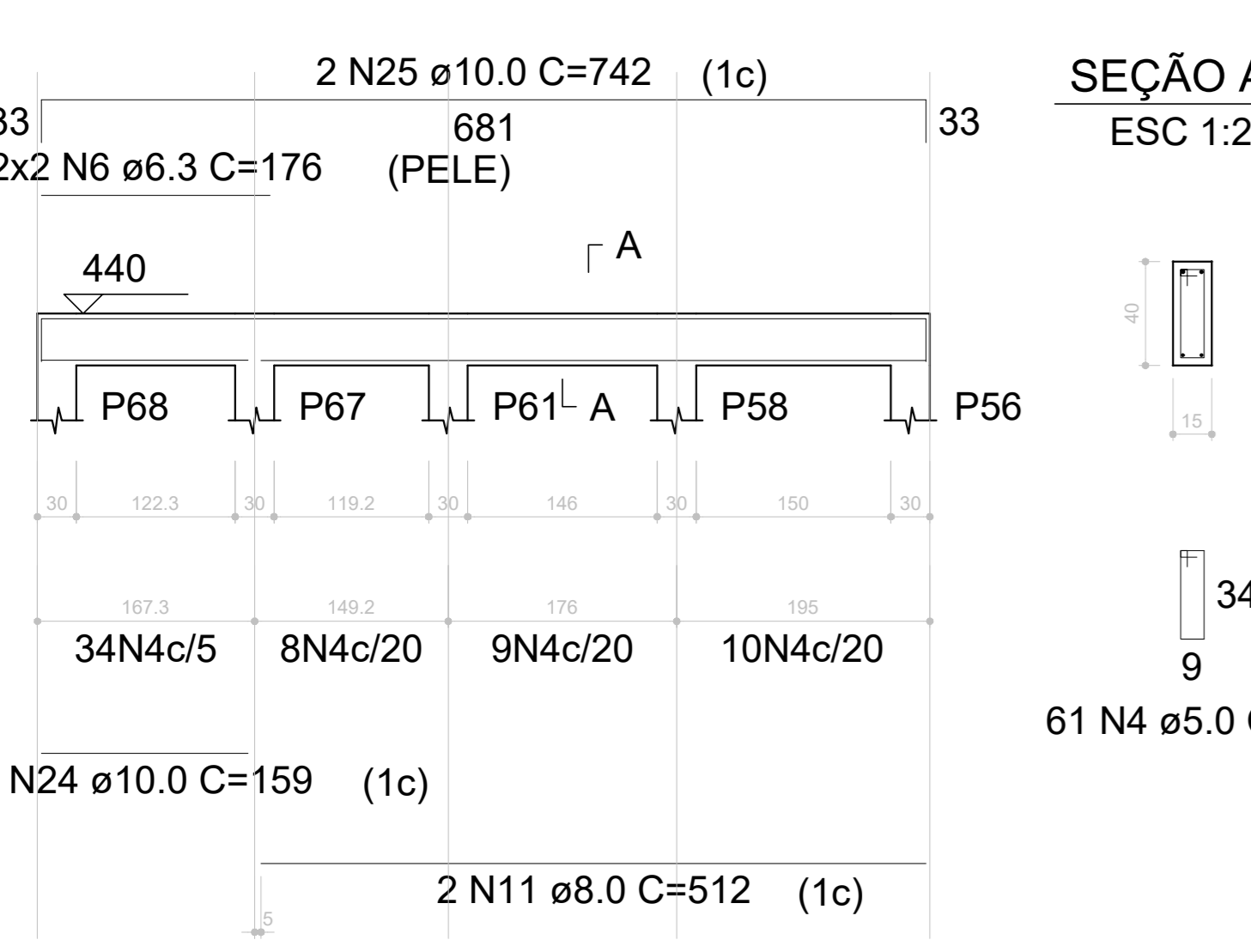


AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	32	157	5024
	2	5.0	204	71	14484
	3	5.0	1	153	153
	4	5.0	61	97	5917
CA50	5	6.3	6	112	672
	6	6.3	4	176	704
	7	8.0	2	951	1902
	8	8.0	2	559	1118
	9	8.0	2	642	1284
	10	8.0	2	676	1352
	11	8.0	2	512	1024
	12	8.0	2	319	638
	13	8.0	1	155	155
	14	8.0	2	353	706
	15	8.0	2	687	1374
	16	8.0	2	729	1458
	17	8.0	2	324	648
	18	8.0	2	366	732
	19	10.0	4	819	3276
	20	10.0	2	929	1858
	21	10.0	2	255	510
	22	10.0	2	1198	2396
	23	10.0	2	432	864
	24	10.0	2	159	318
	25	10.0	2	742	1484
	26	16.0	2	839	1678

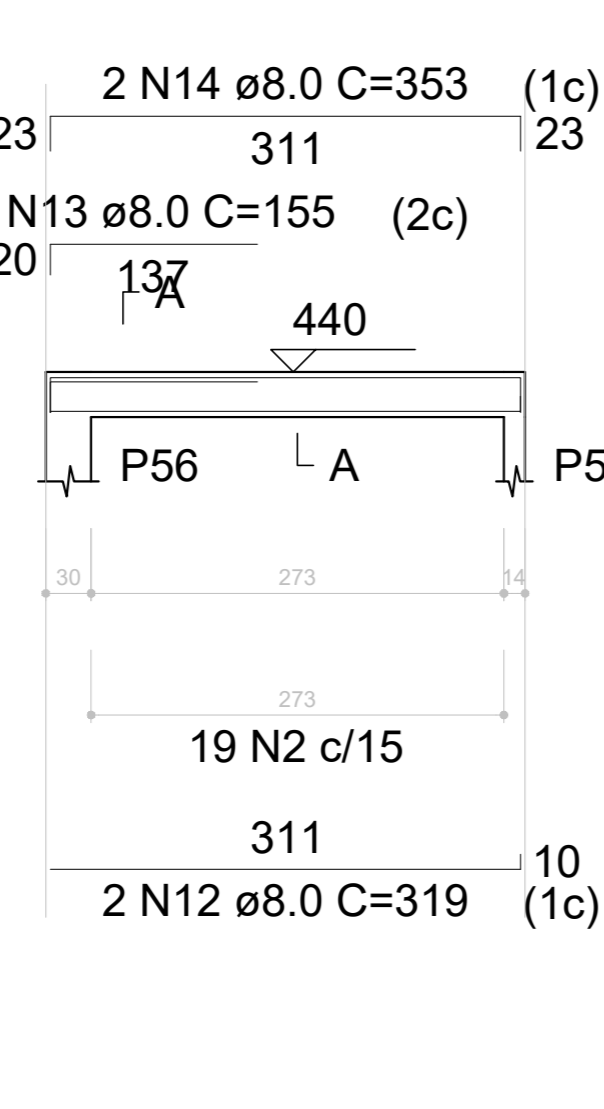
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	13.8	3.7
	8.0	123.9	53.8
	10.0	107.1	72.6
	16.0	16.8	29.1
CA60	5.0	255.8	43.4
PESO TOTAL (kg)			
CA50		159.2	
CA60		43.4	

Volume de concreto (C-25) = 2.53 m³
Área de forma = 44.34 m²

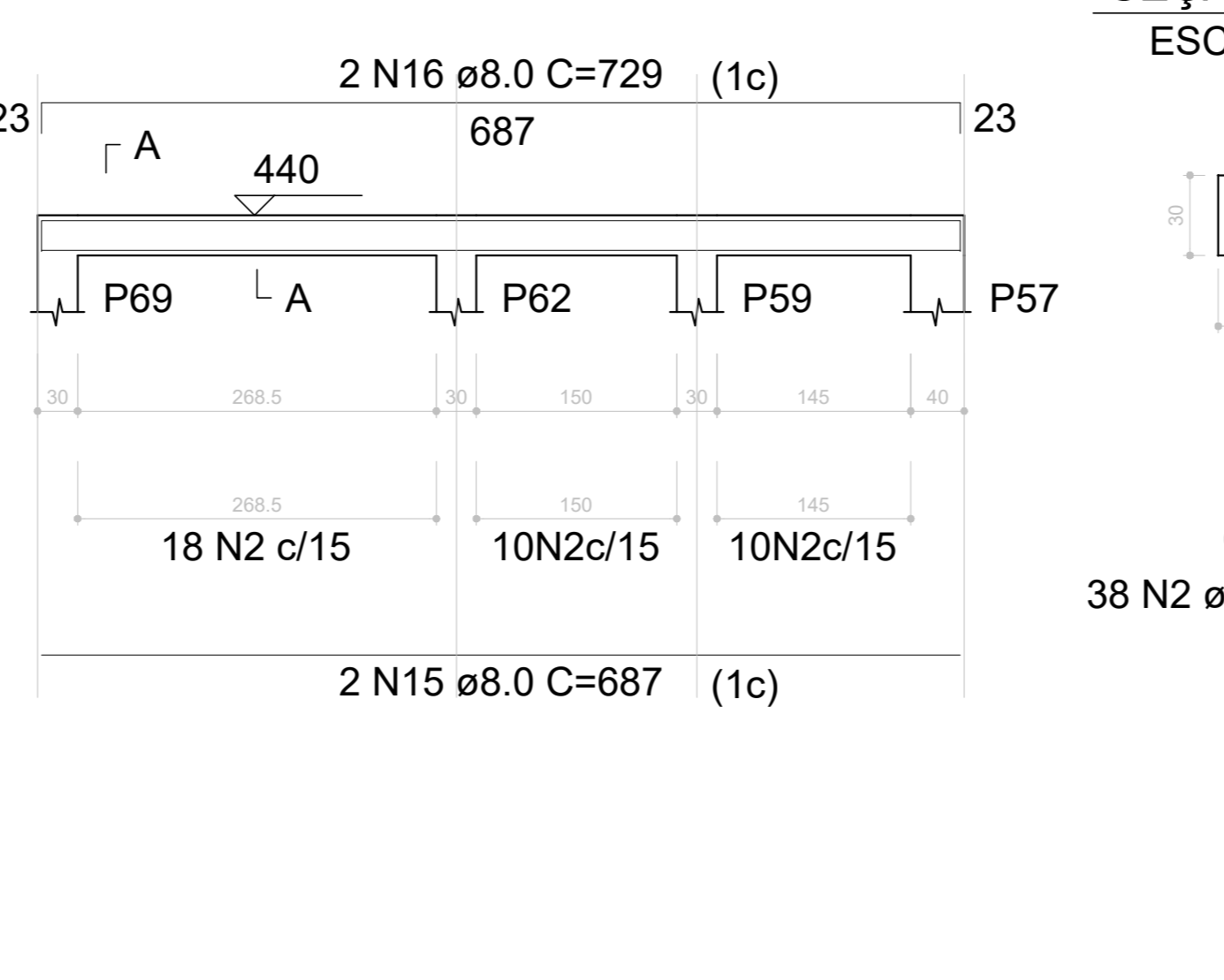
V326 (15 x 40)



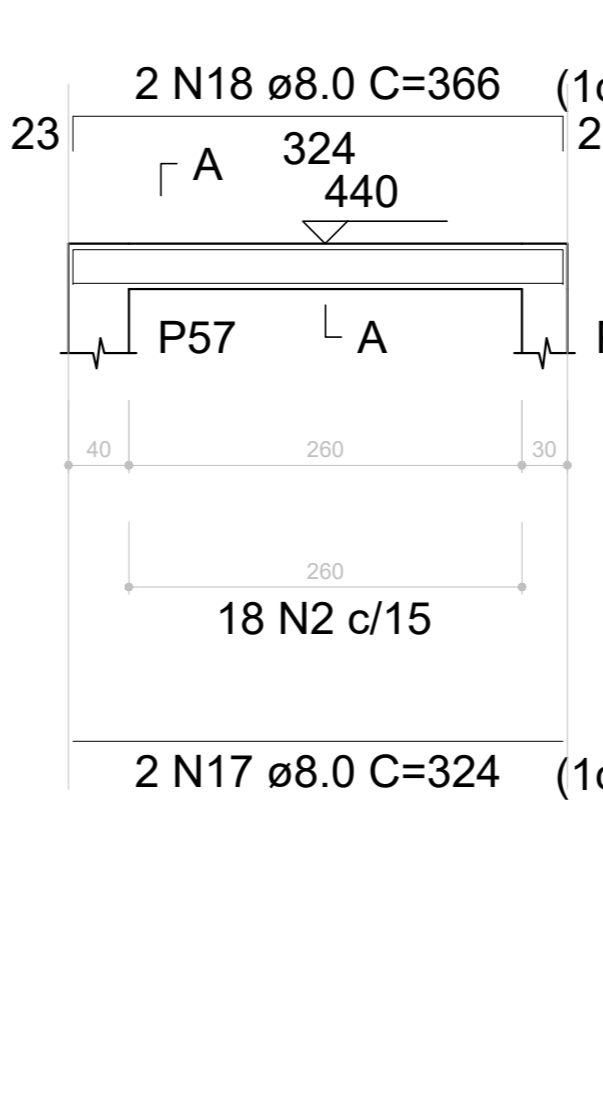
V327 (12 x 30)



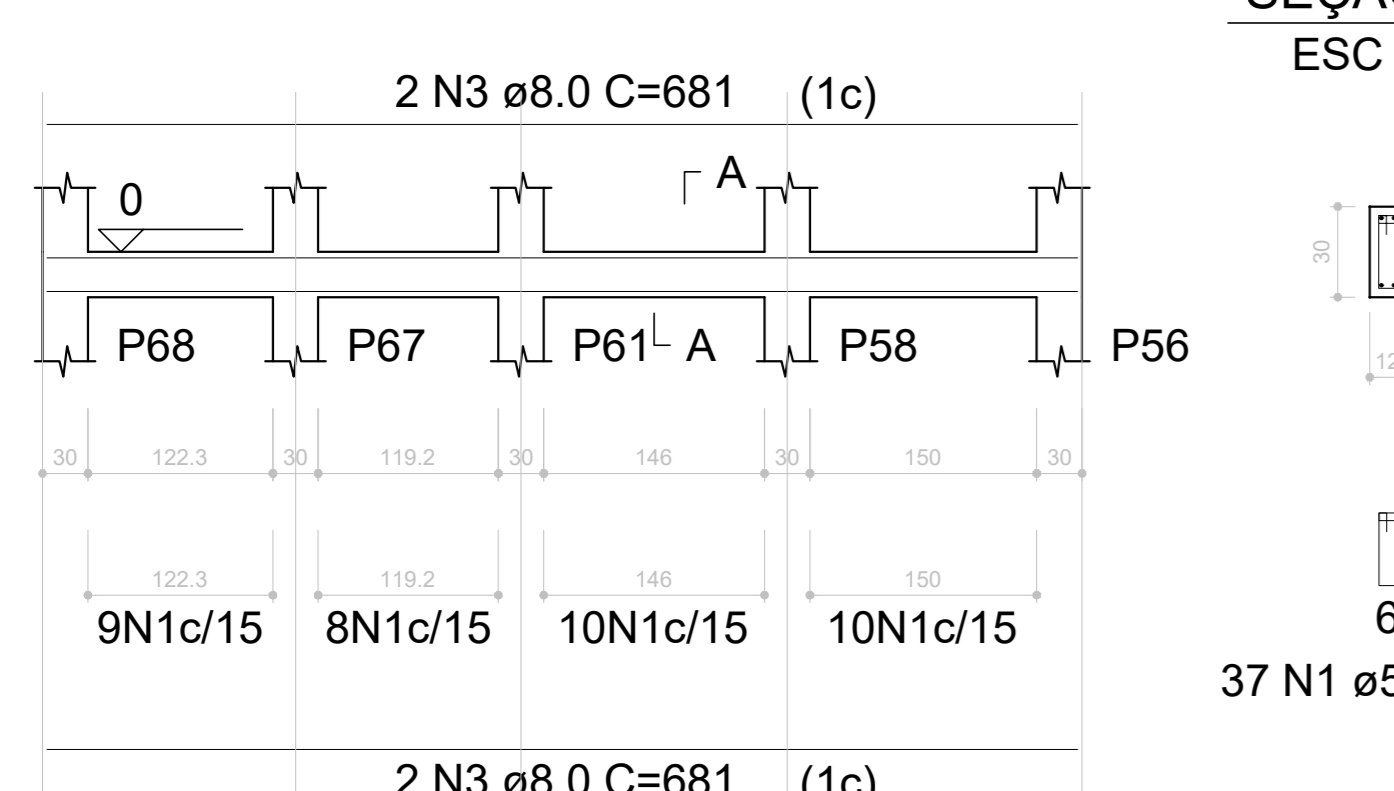
V328 (12 x 30)



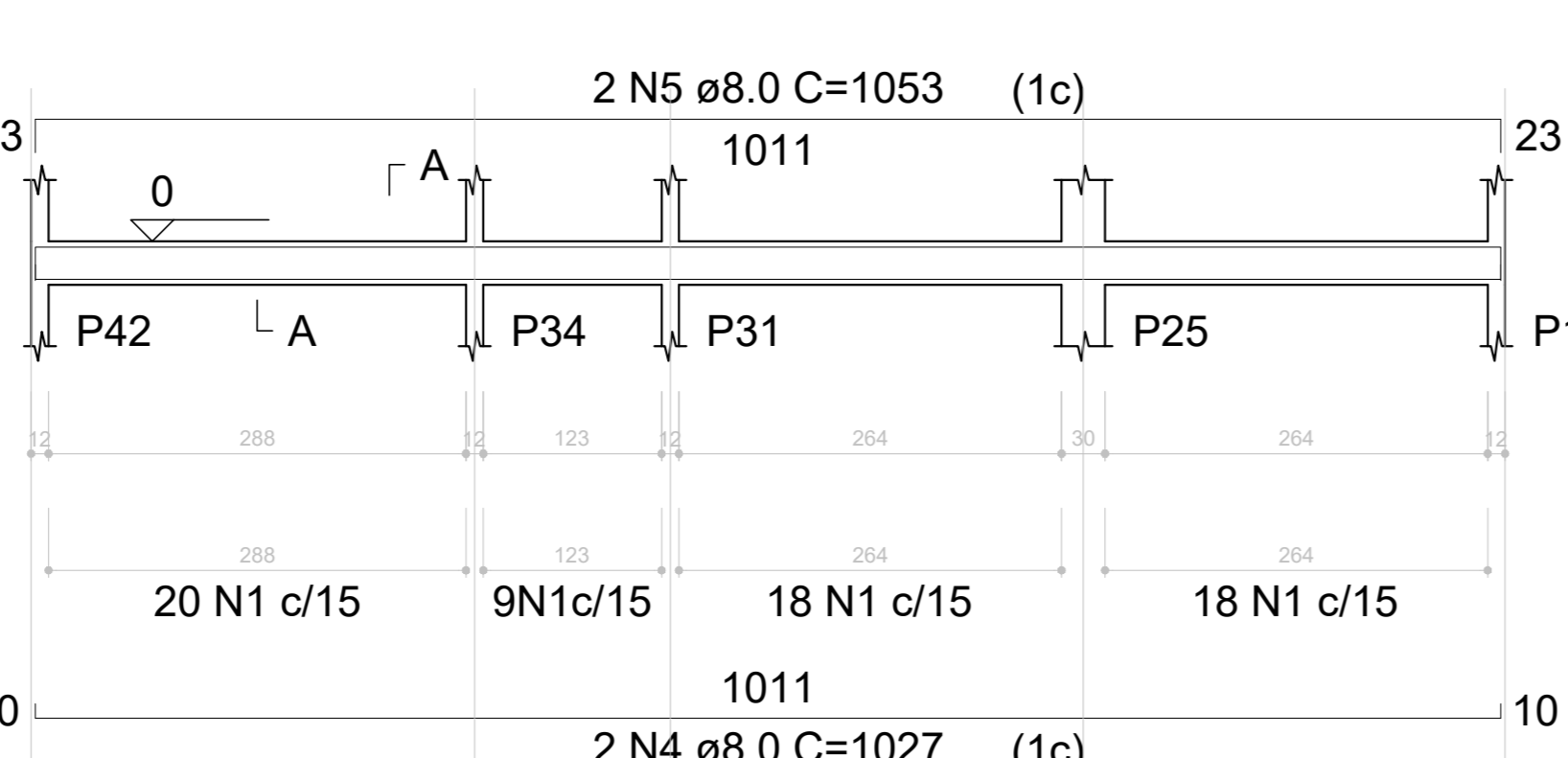
V329 (12 x 30)



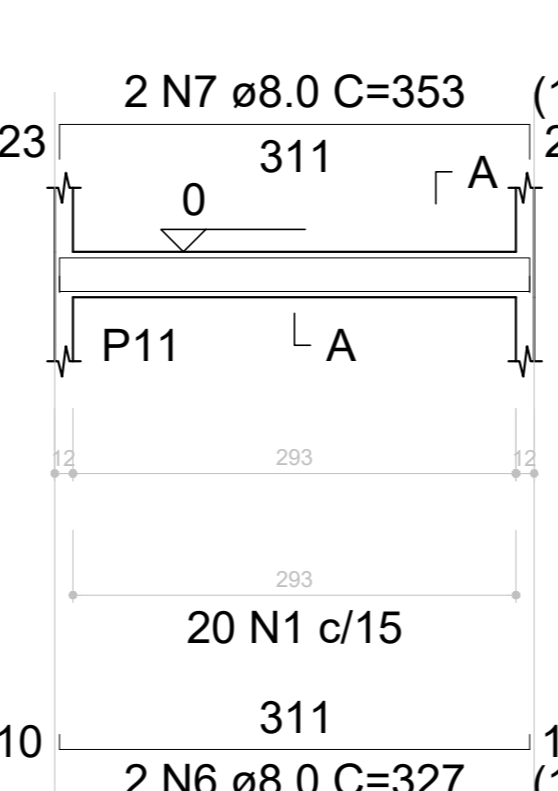
VB140 (12 x 30)



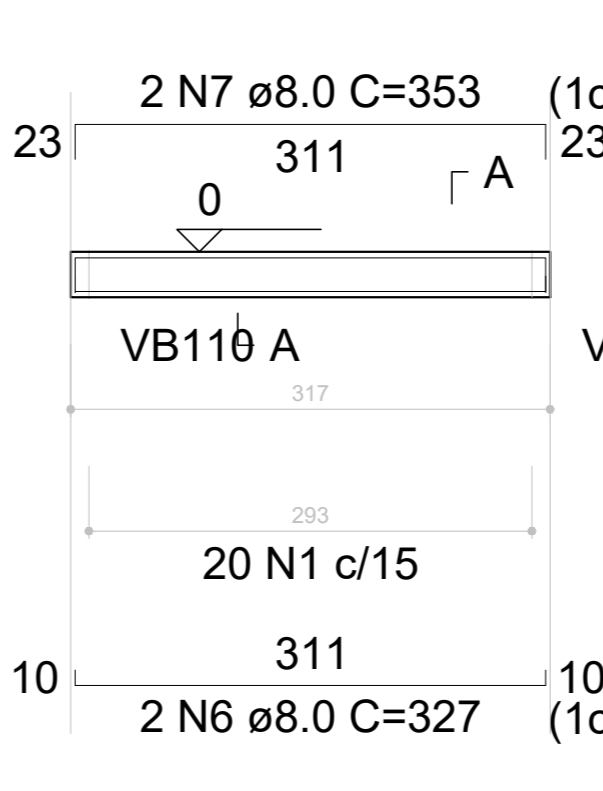
VB142 (12 x 30)



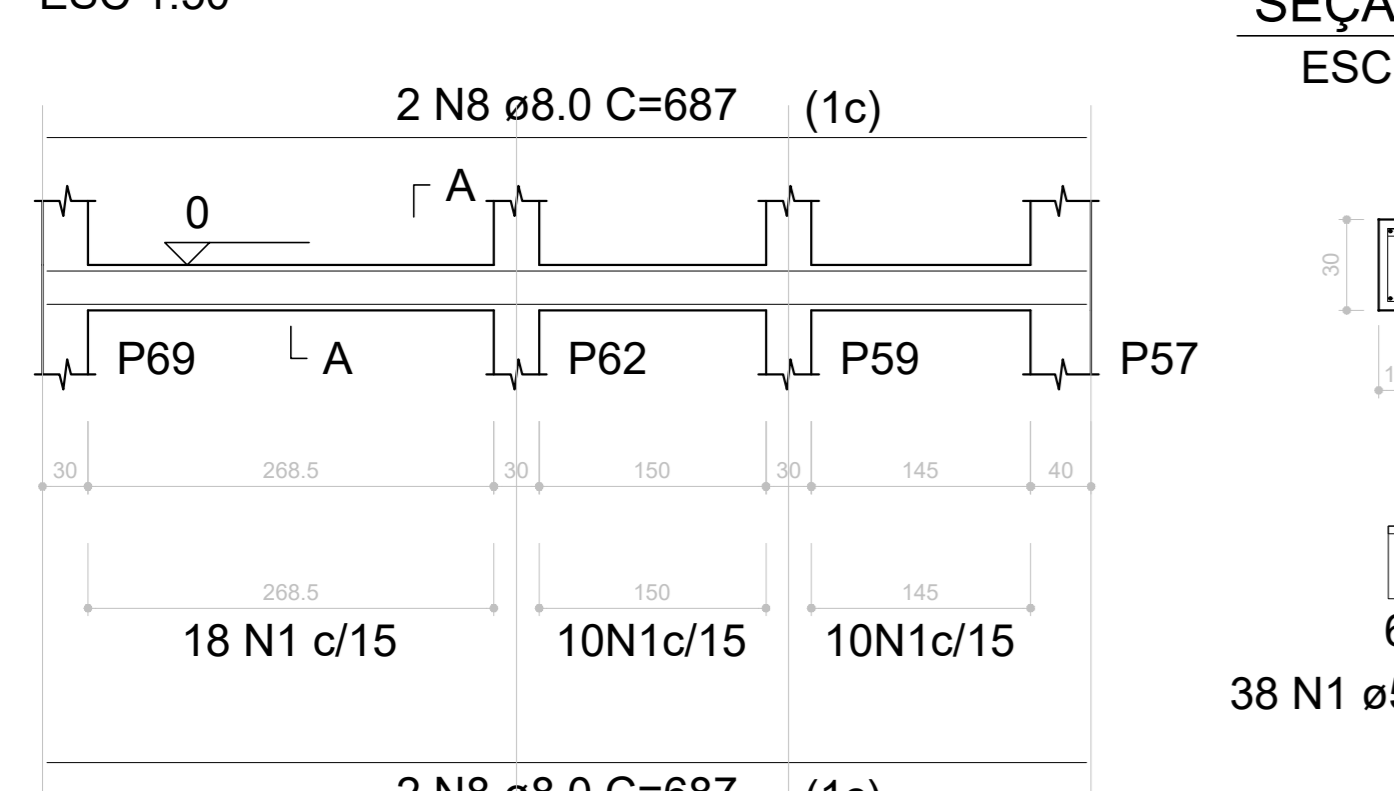
VB143 (12 x 30)



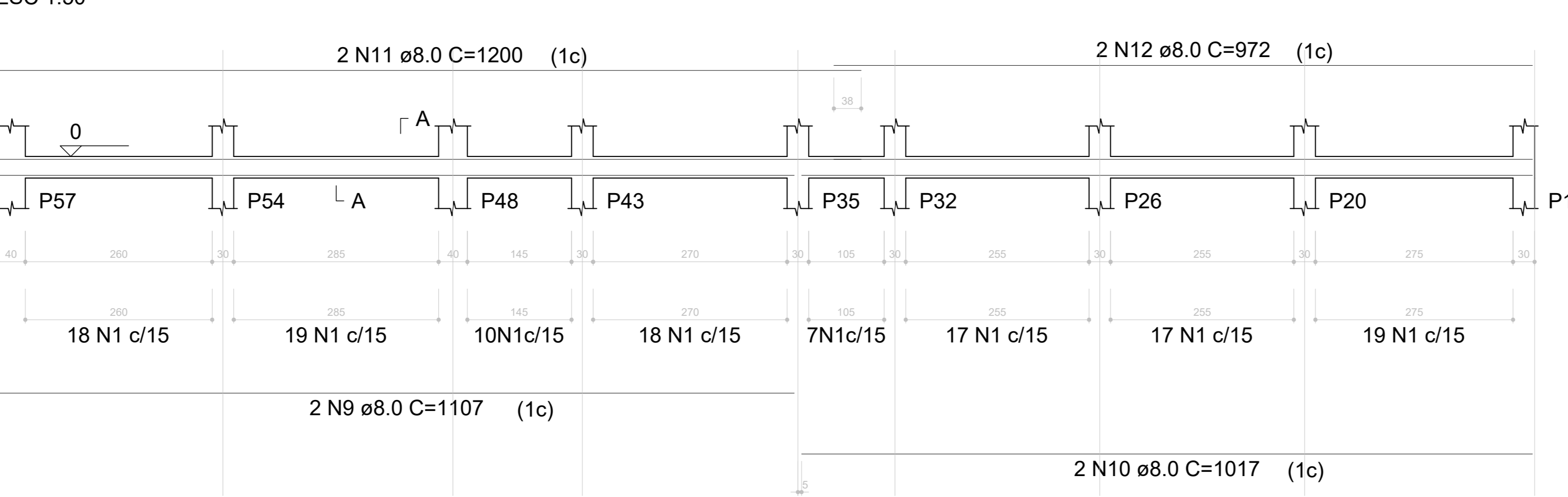
VB144 (12 x 30)



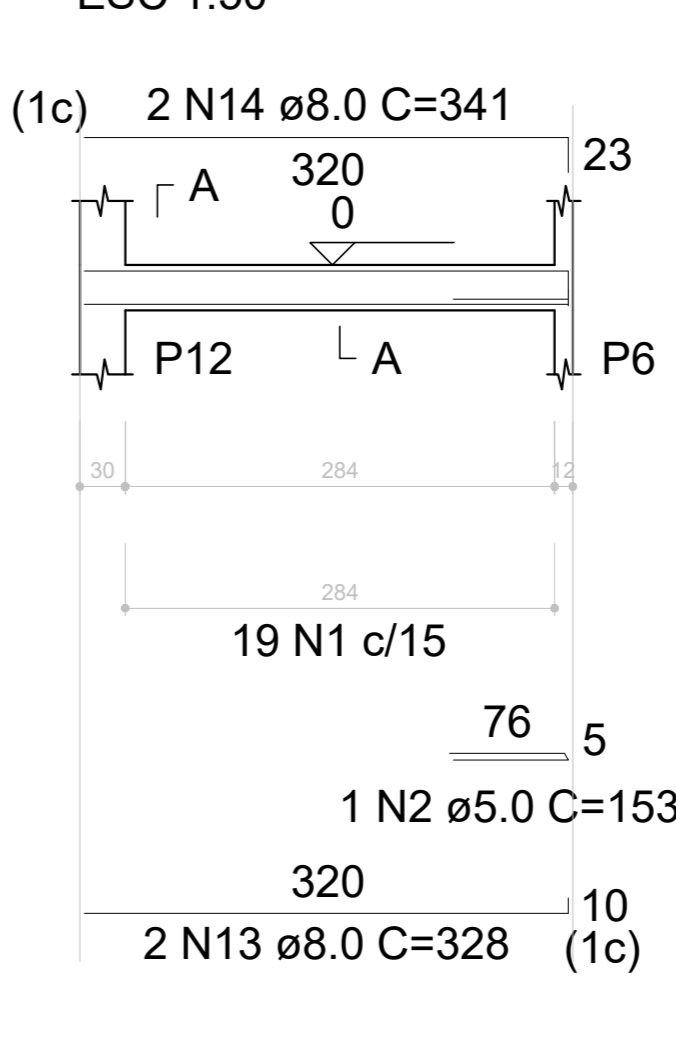
VB145 (12 x 30)



VB146 (12 x 30)



VB147 (12 x 30)



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	324	71	23004
	2	5.0	1	153	153
CA50	3	8.0	4	681	2724
	4	8.0	2	1027	2054
	5	8.0	2	1053	2106
	6	8.0	4	327	1308
	7	8.0	4	353	1412
	8	8.0	4	687	2748
	9	8.0	2	1107	2214
	10	8.0	2	1017	2034
	11	8.0	2	1200	2400
	12	8.0	2	972	1944
	13	8.0	2	328	656
	14	8.0	2	341	682

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	222.8	96.7
CA60	5.0	231.6	39.3
PESO TOTAL (kg)			
CA50		96.7	
CA60		39.3	

Volume de concreto (C-25) = 1.98 m³
Área de forma = 39.59 m²

ESTRUTURAL

CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO

ENDEREÇO: R. JOÃO GALVÃES, QD. DRIM, LT. 01, SETOR FUMAL, LUZIÂNIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA

AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

DIREITOS AUTORAIS DESTA OBRA PERTENCEM AOS PROFISSIONAIS ADM. CITADOS. É PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5.988 ART. 25.

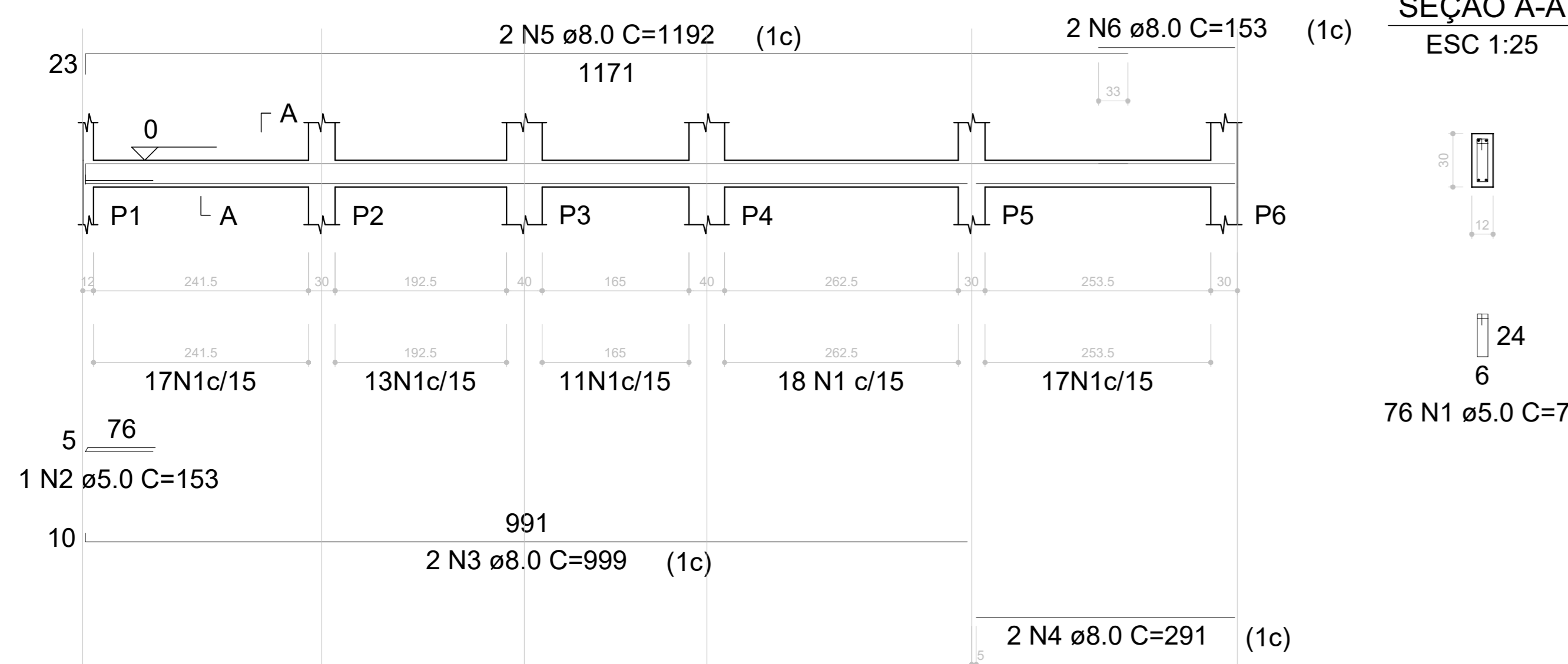
FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
OUTROS:	

FOLHA: 2/6 **CONTEÚDO:** ESTRUTURAL VIGAS **ÁREA:** INDICADA EM QUADRO

DATA: 02/2023 **DESENHO:** ISABELLE MORAES **ESCALA:** INDICADA **UNIDADE:** METROS

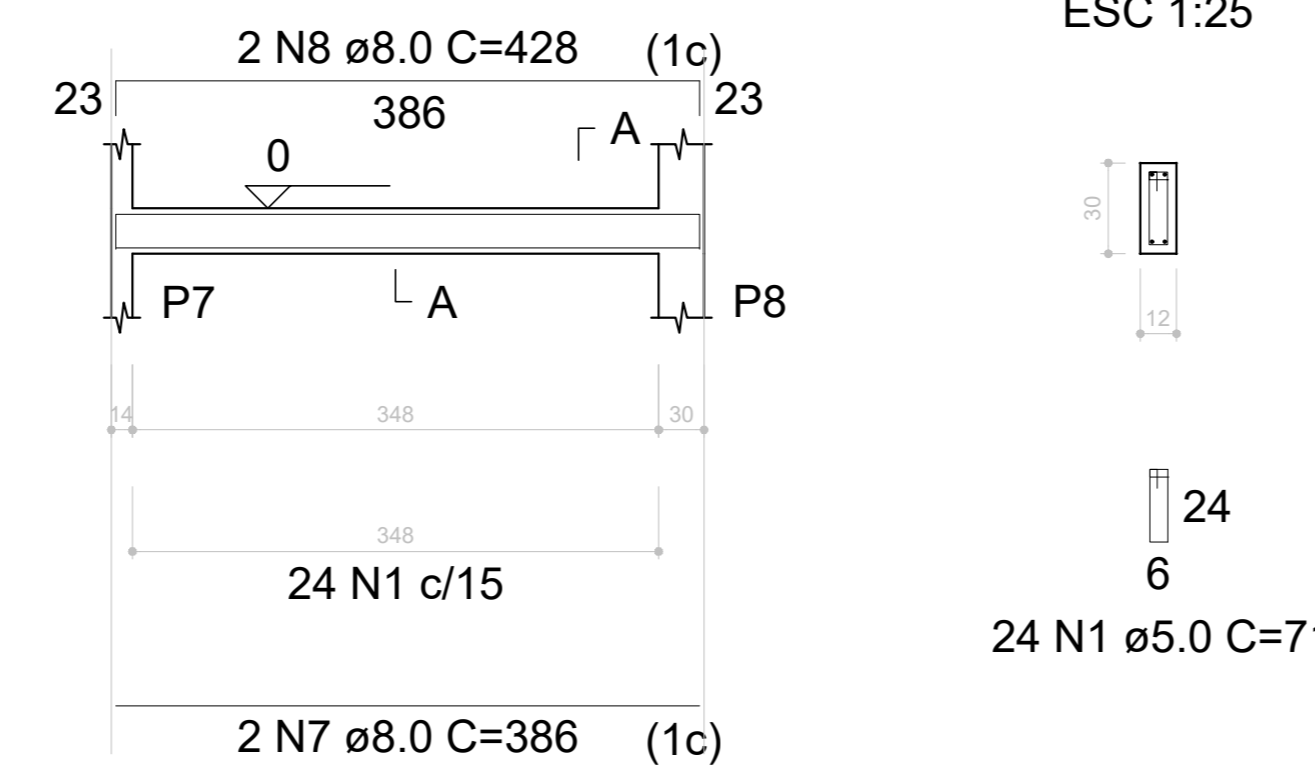
VB101 (12 x 30)

ESC 1:50



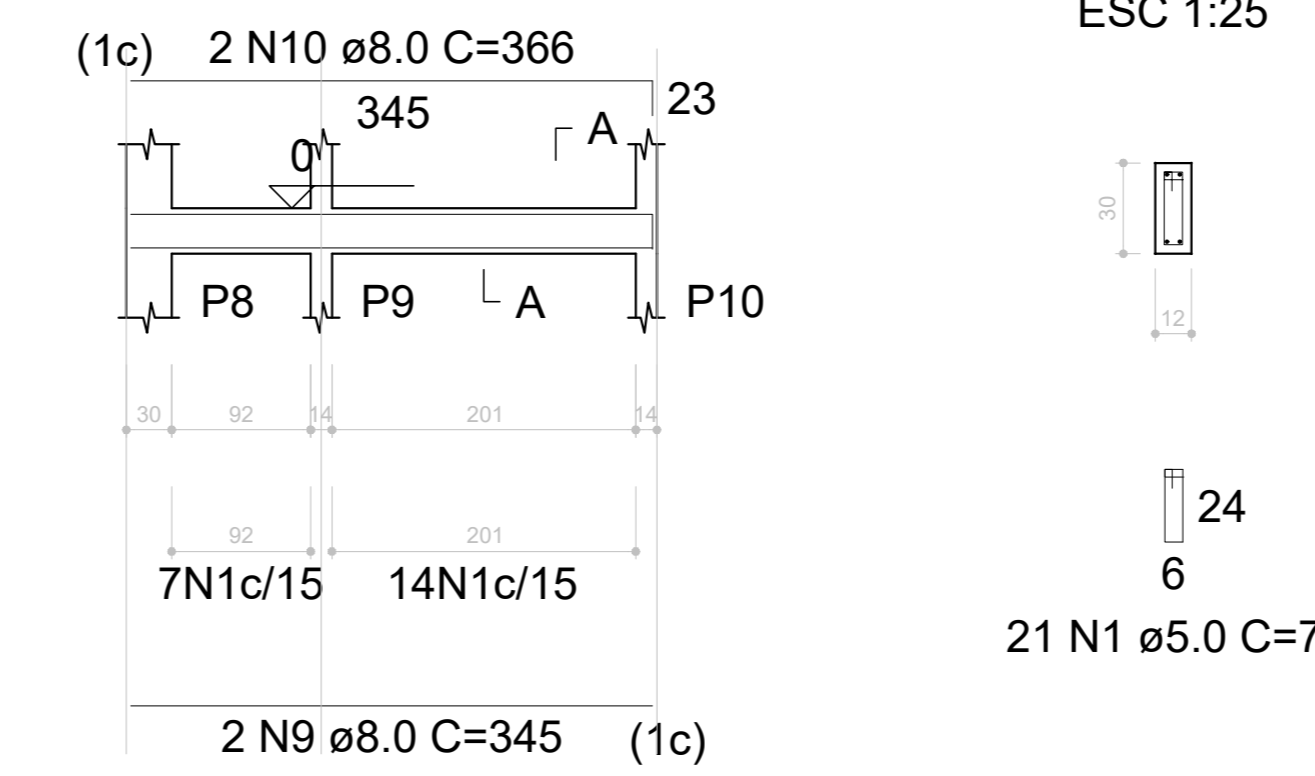
VB102 (12 x 30)

ESC 1:50



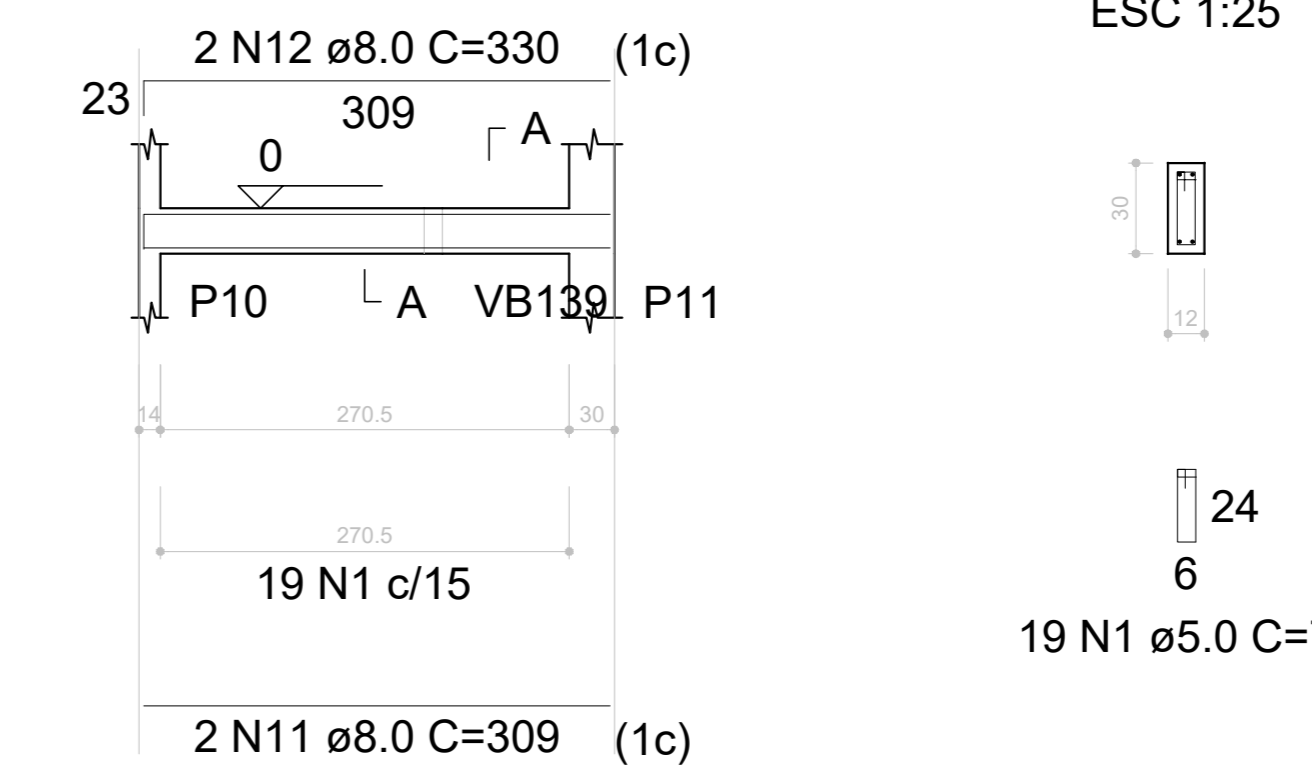
VB103 (12 x 30)

ESC 1:50



VB104 (12 x 30)

ESC 1:50



RELAÇÃO DO AÇO

VB101	VB102	VB103
VB104	VB105	VB106
VB107	VB108	VB109
VB110	VB111	VB112
VB113	VB114	VB115
VB116	VB117	VB118
VB119	VB120	VB121
VB122		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	690	71	48990
	2	5.0	1	153	153
CA50	3	8.0	4	999	3996
	4	8.0	2	291	582
	5	8.0	6	1192	7152
	6	8.0	2	153	306
	7	8.0	2	386	772
	8	8.0	2	428	856
	9	8.0	2	345	690
	10	8.0	2	366	732
	11	8.0	2	309	618
	12	8.0	2	330	660
	13	8.0	4	316	1264
	14	8.0	2	162	324
	15	8.0	6	329	1974
	16	8.0	2	119	238
	17	8.0	2	132	264
	18	8.0	2	202	404
	19	8.0	2	236	472
	20	8.0	2	716	1432
	21	8.0	2	750	1500
	22	8.0	2	308	616
	23	8.0	2	1008	2016
	24	8.0	2	308	616
	25	8.0	4	181	724
	26	8.0	2	299	598
	27	8.0	4	607	2428
	28	8.0	4	633	2532
	29	8.0	4	500	2000
	30	8.0	4	534	2136
	31	8.0	2	230	460
	32	8.0	2	264	528
	33	8.0	2	513	1026
	34	8.0	2	526	1052
	35	8.0	4	244	976
	36	8.0	2	612	1224
	37	8.0	2	633	1266
	38	8.0	2	344	688
	39	8.0	2	386	772
	40	8.0	2	343	686
	41	8.0	2	385	770

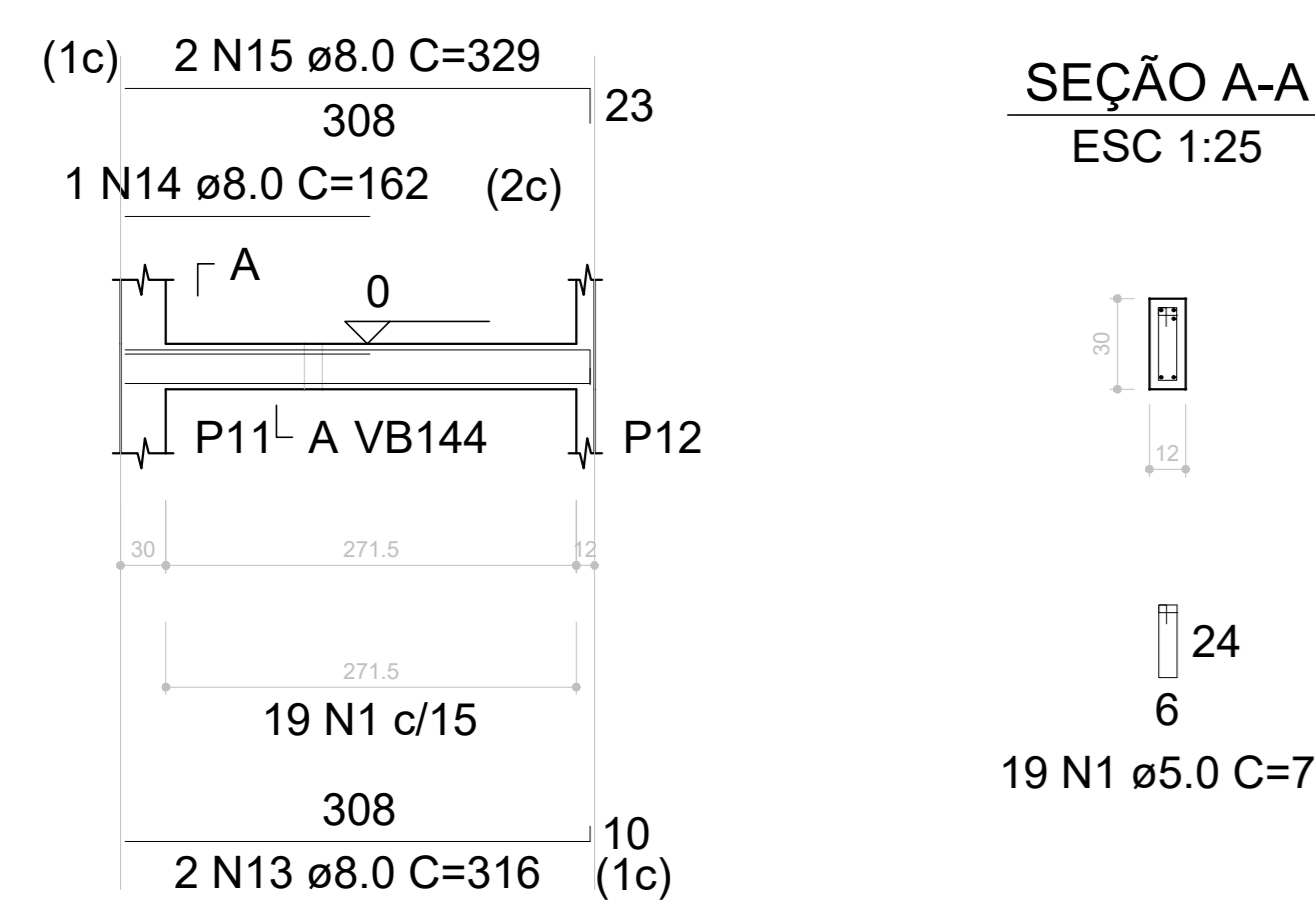
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	473.5	205.5
CA60	5.0	491.4	83.3
PESO TOTAL (kg)			
CA50			205.5
CA60			83.3

Volume de concreto (C-25) = 4.11 m³
Área de forma = 82.19 m²

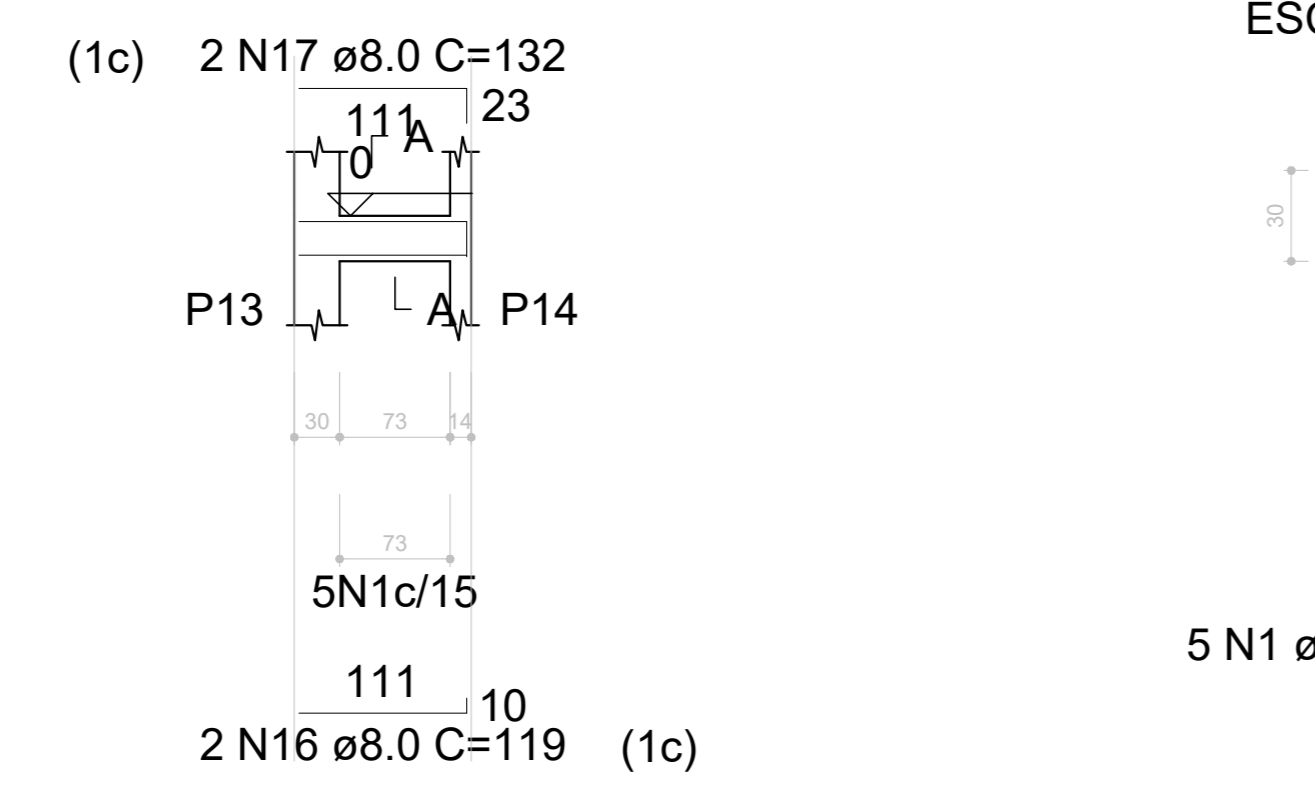
VB105 (12 x 30)

ESC 1:50



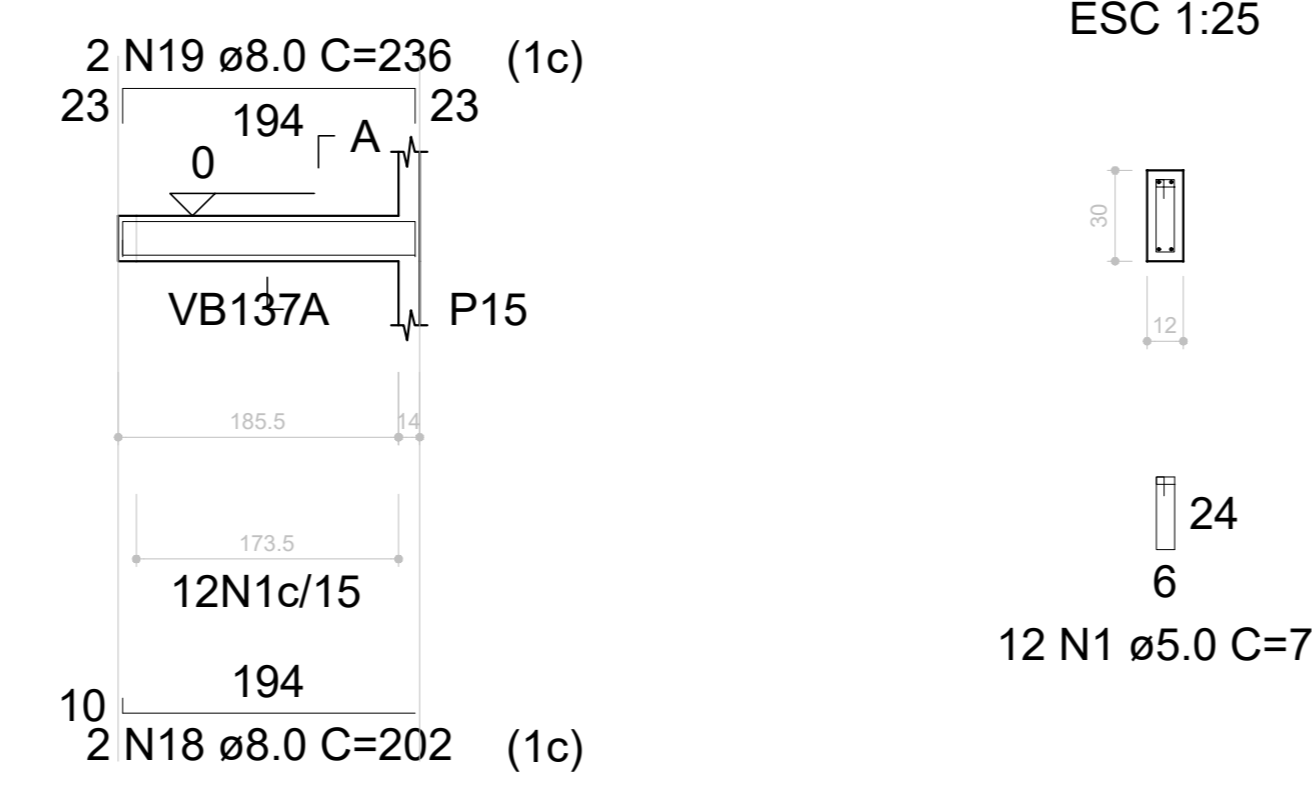
VB106 (12 x 30)

ESC 1:50



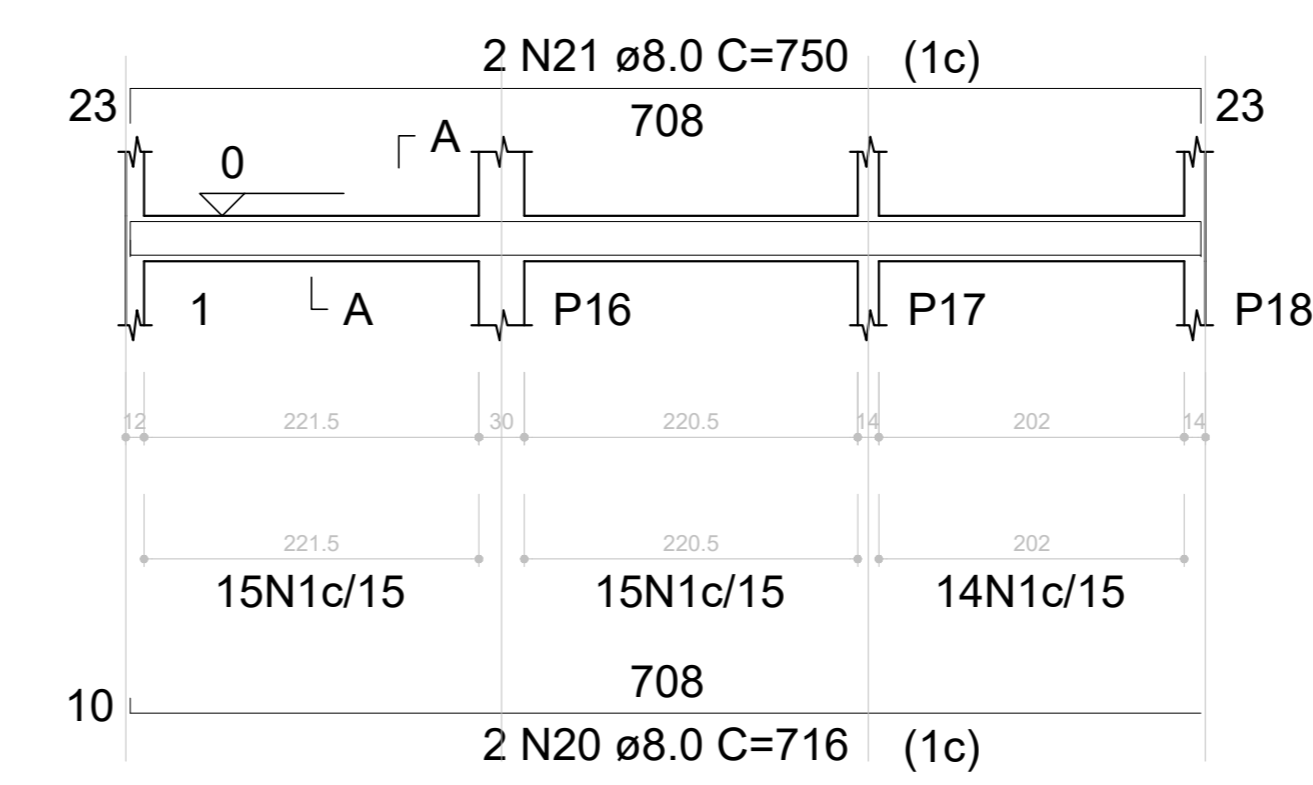
VB107 (12 x 30)

ESC 1:50



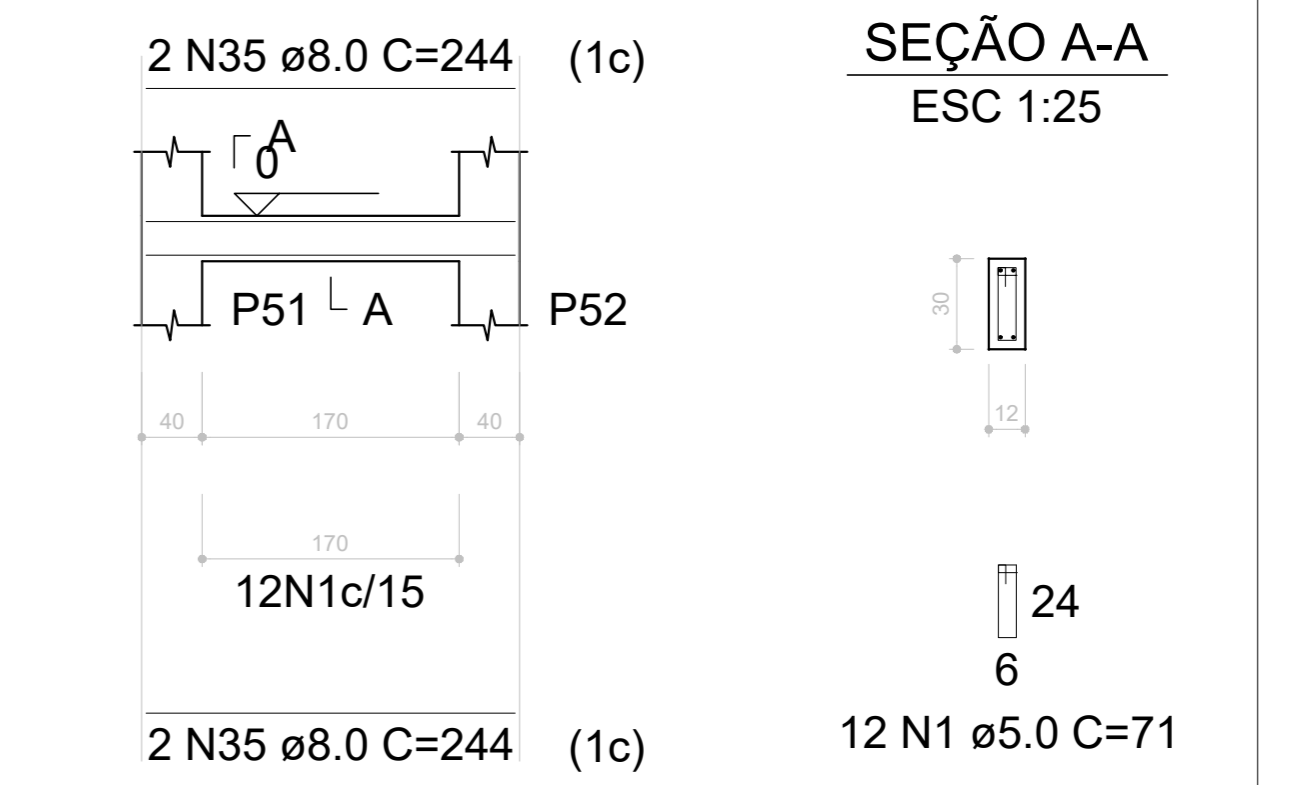
VB108 (12 x 30)

ESC 1:50



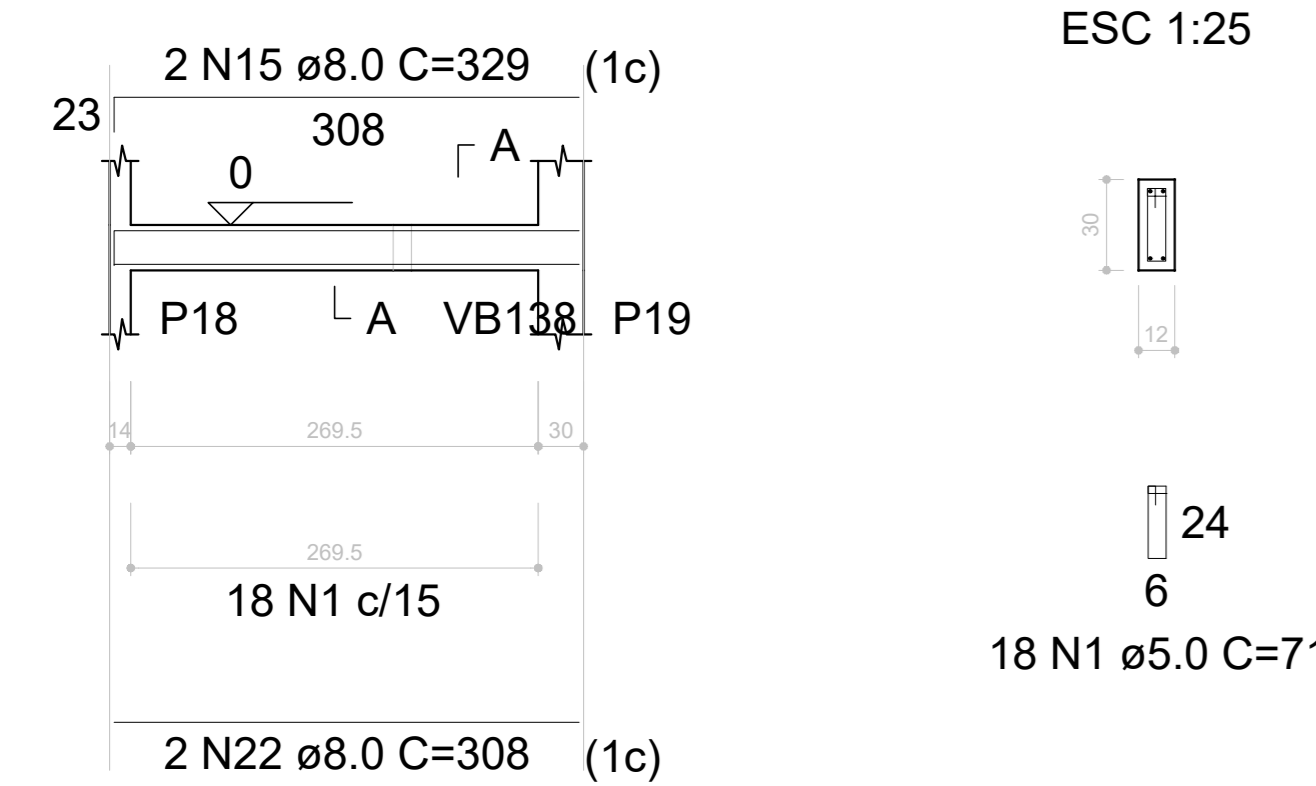
VB119 (12 x 30)

ESC 1:50



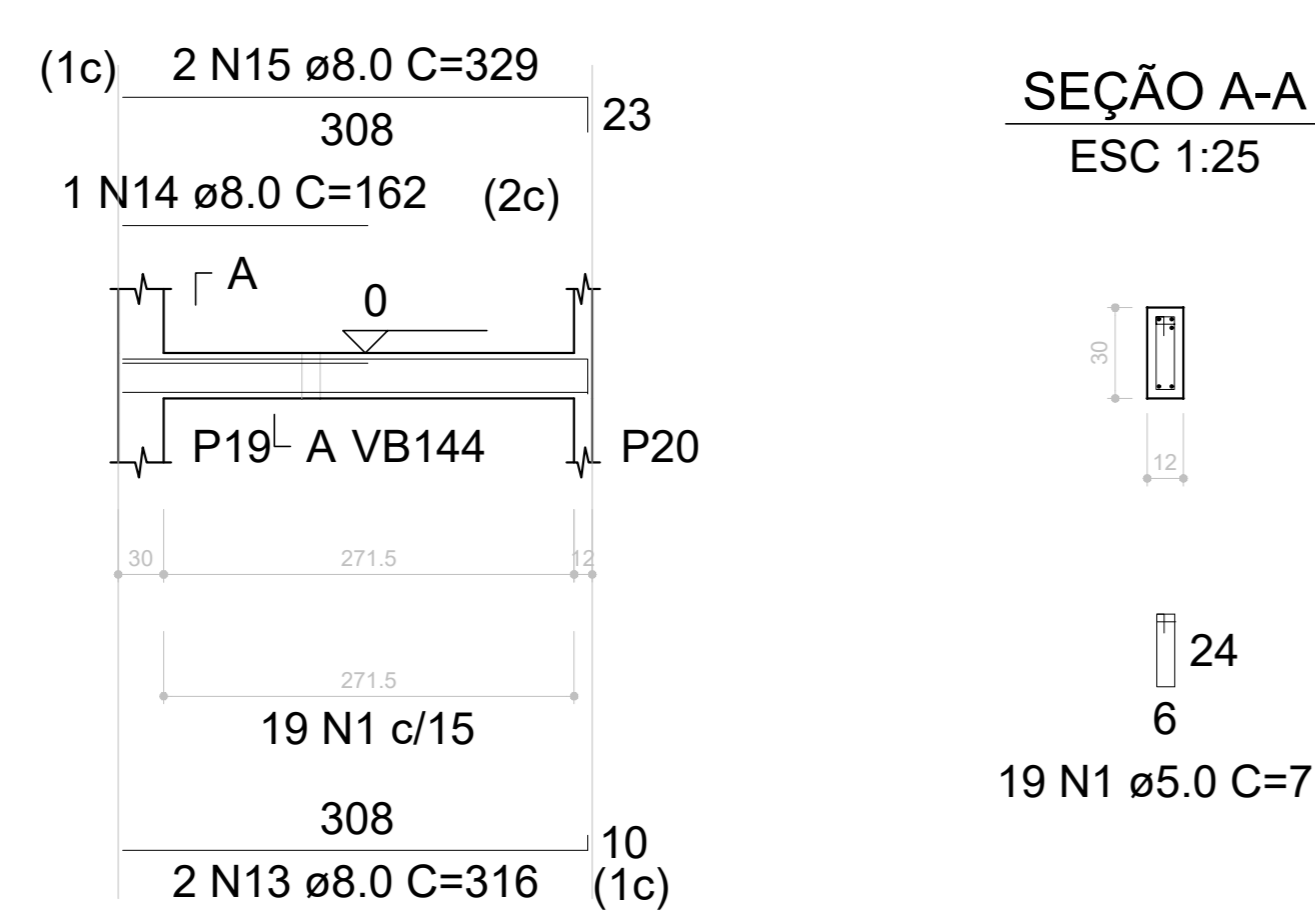
VB109 (12 x 30)

ESC 1:50



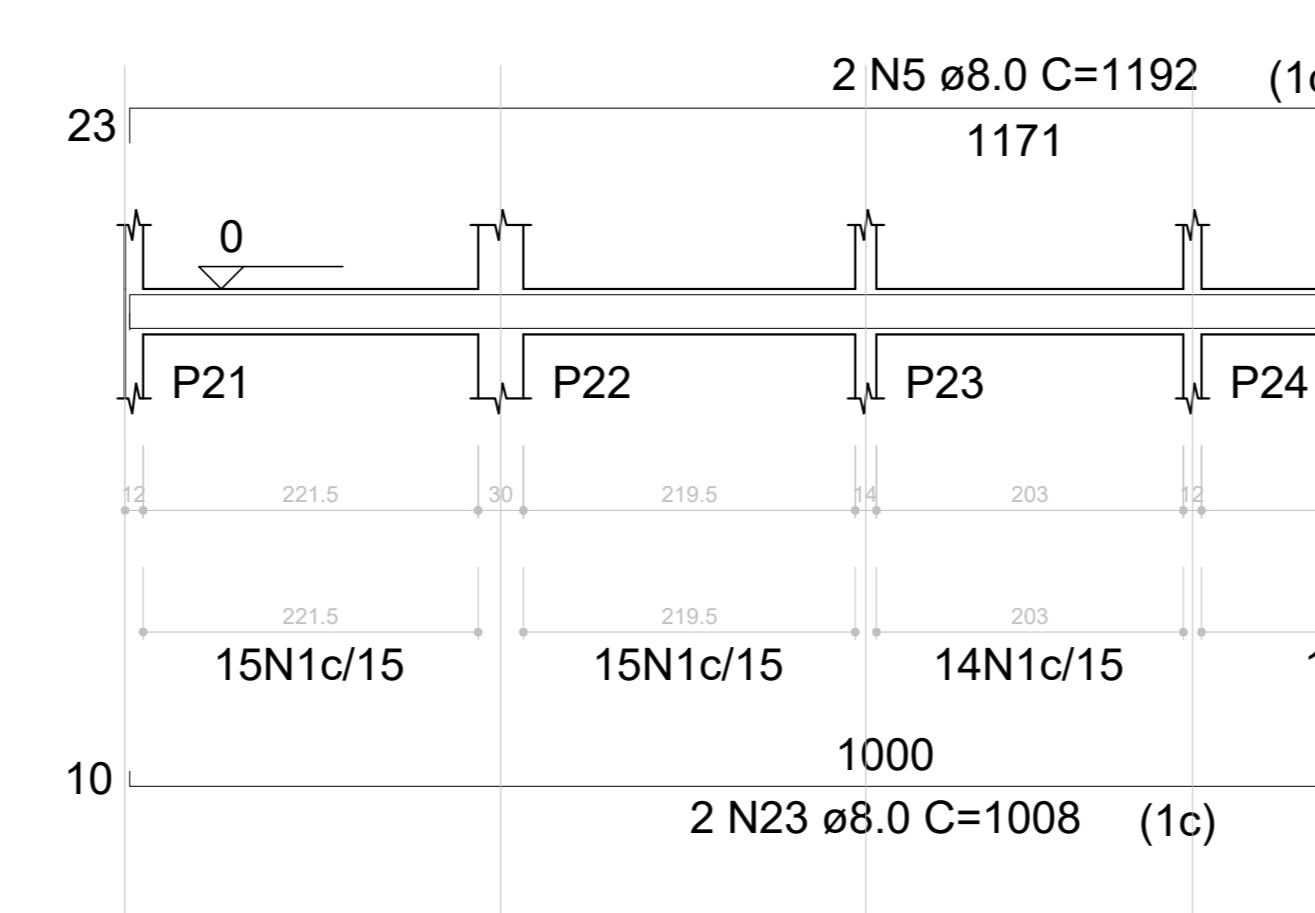
VB110 (12 x 30)

ESC 1:50



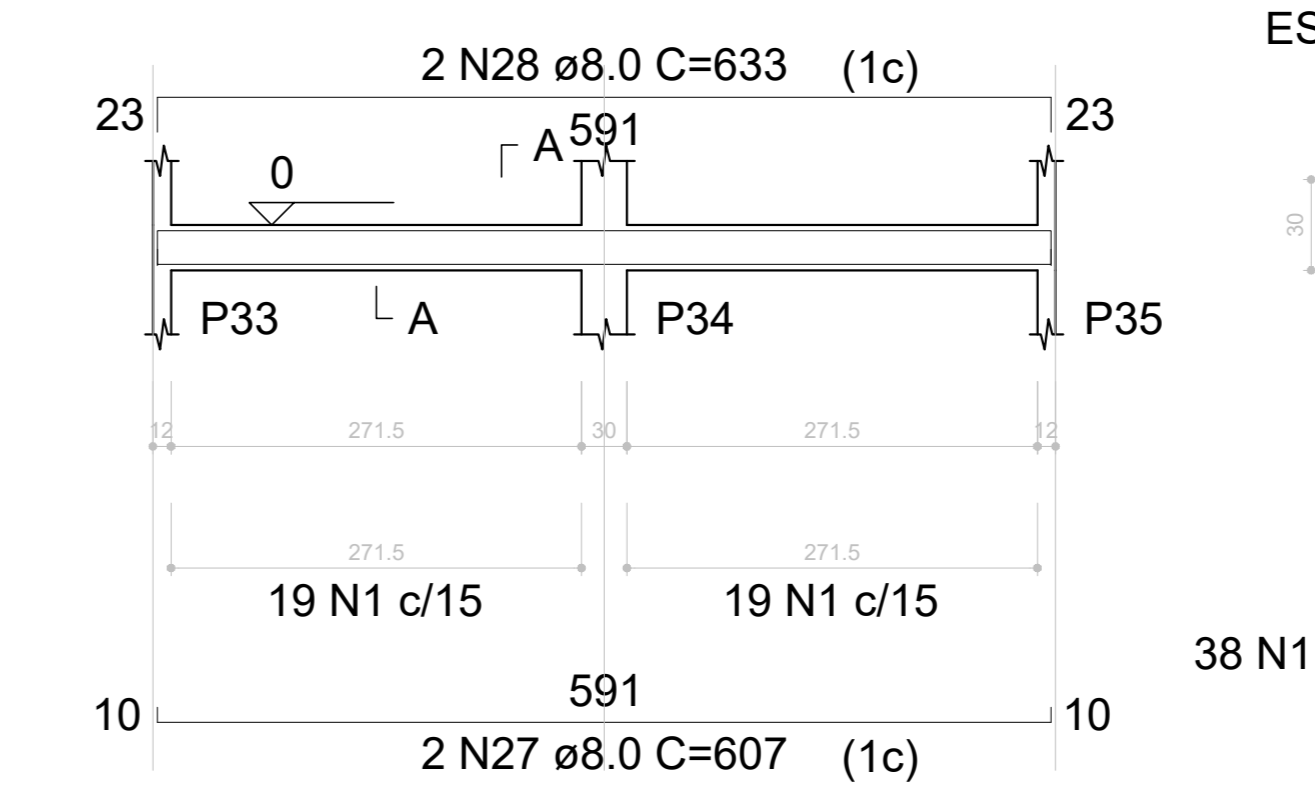
VB111 (12 x 30)

ESC 1:50



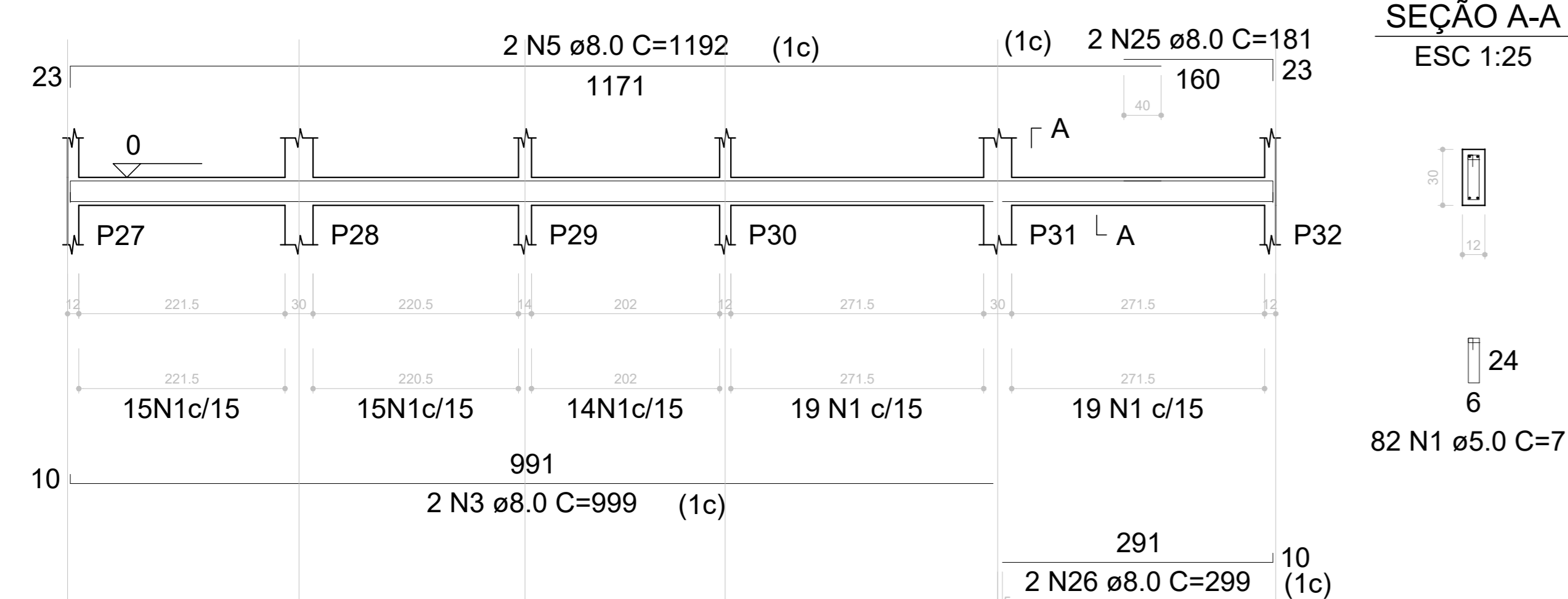
VB113 (12 x 30)

ESC 1:50



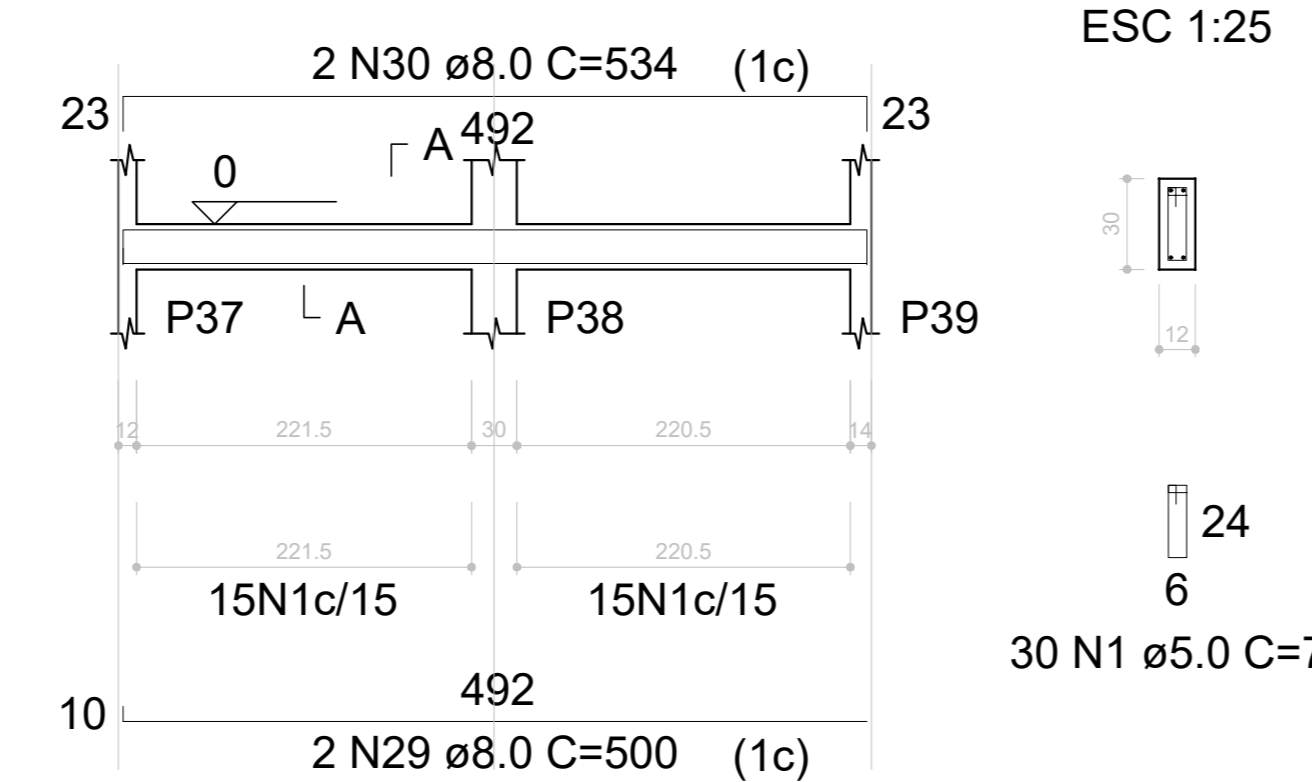
VB112 (12 x 30)

ESC 1:50



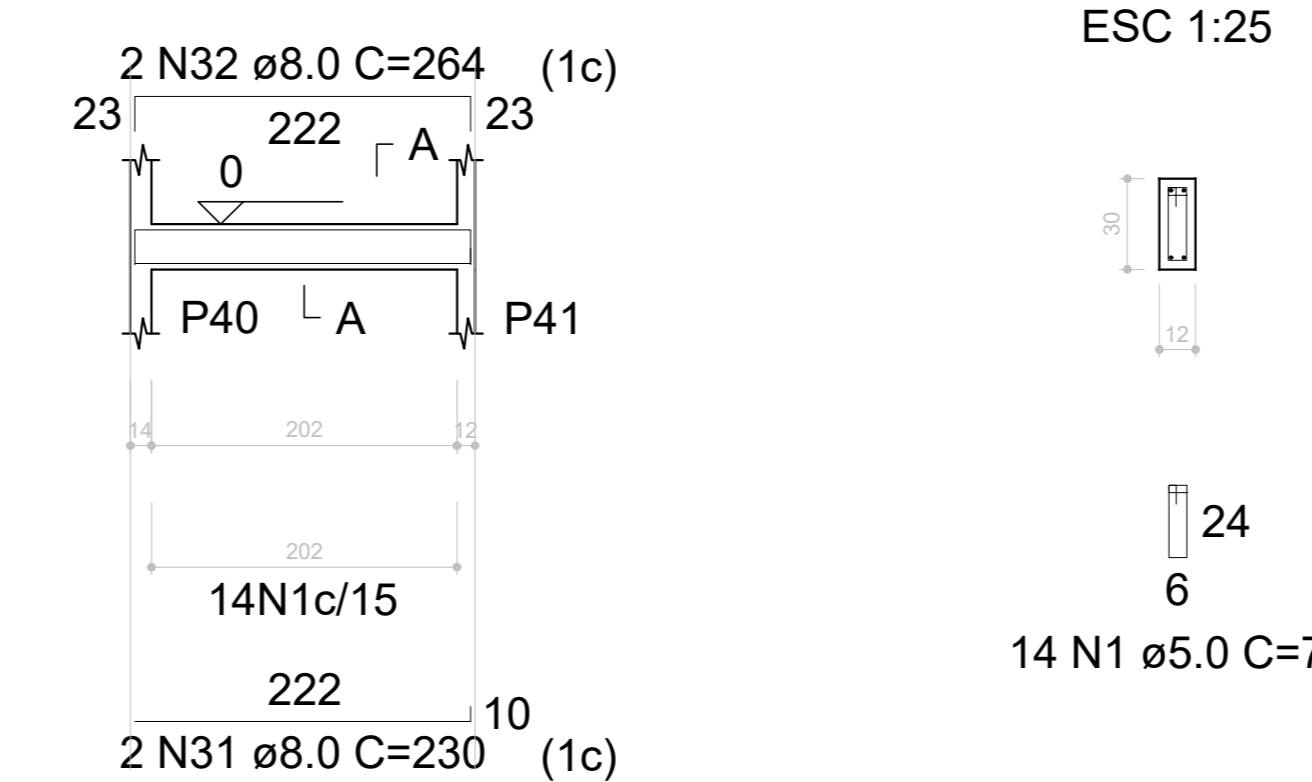
VB114 (12 x 30)

ESC 1:50



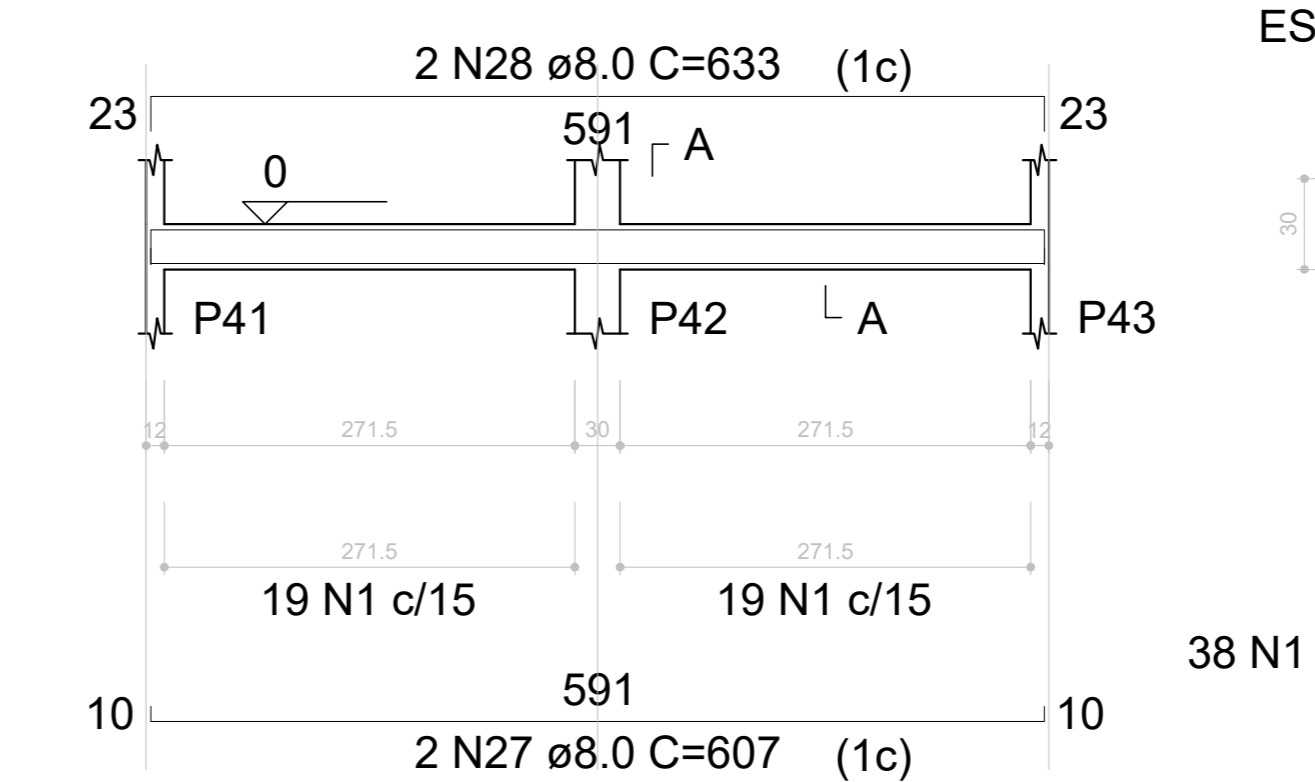
VB115 (12 x 30)

ESC 1:50



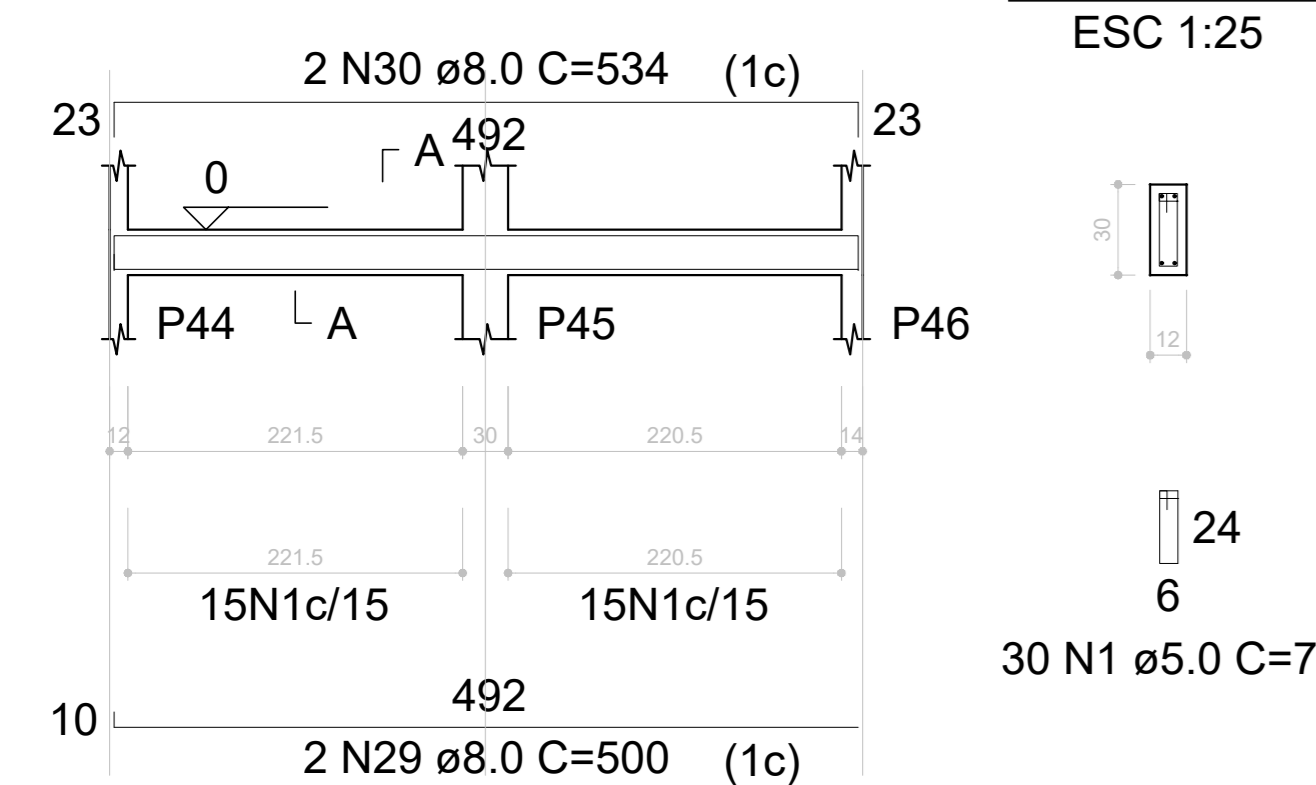
VB116 (12 x 30)

ESC 1:50



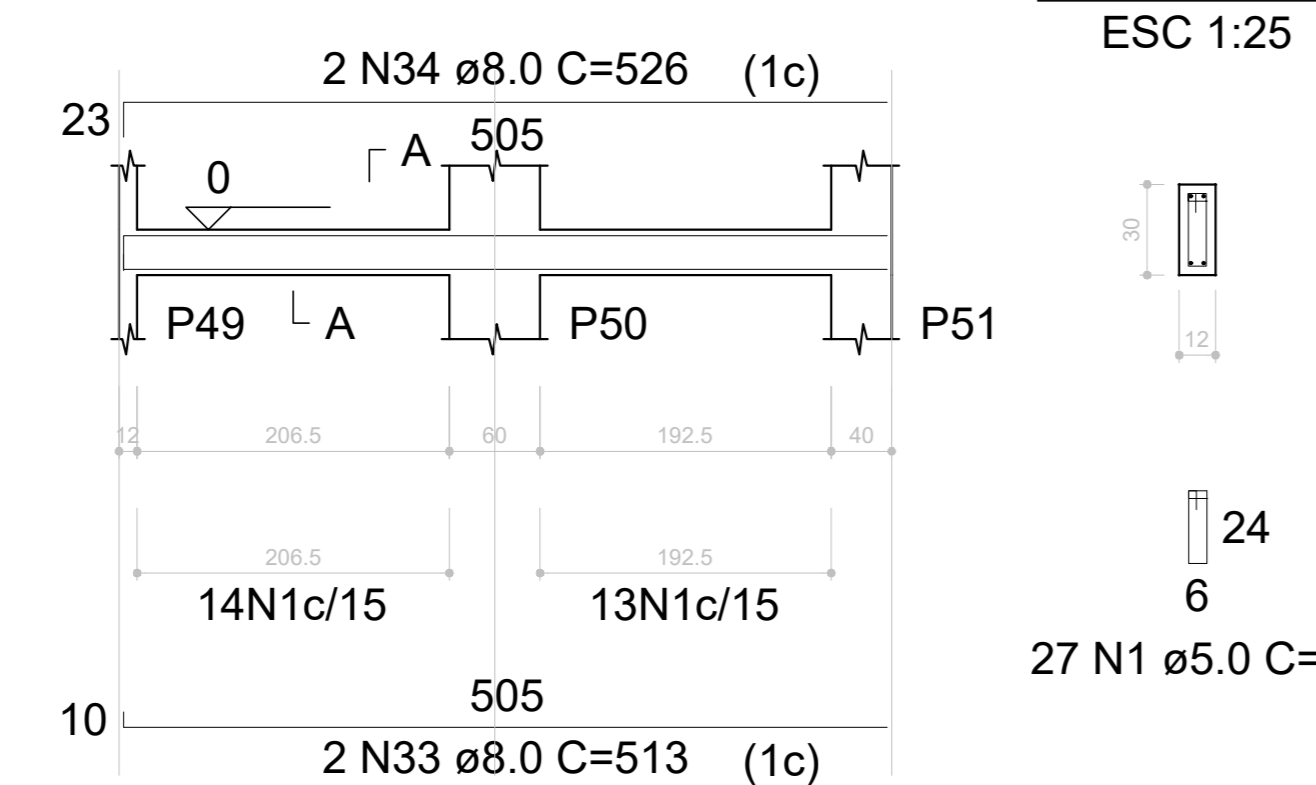
VB117 (12 x 30)

ESC 1:50



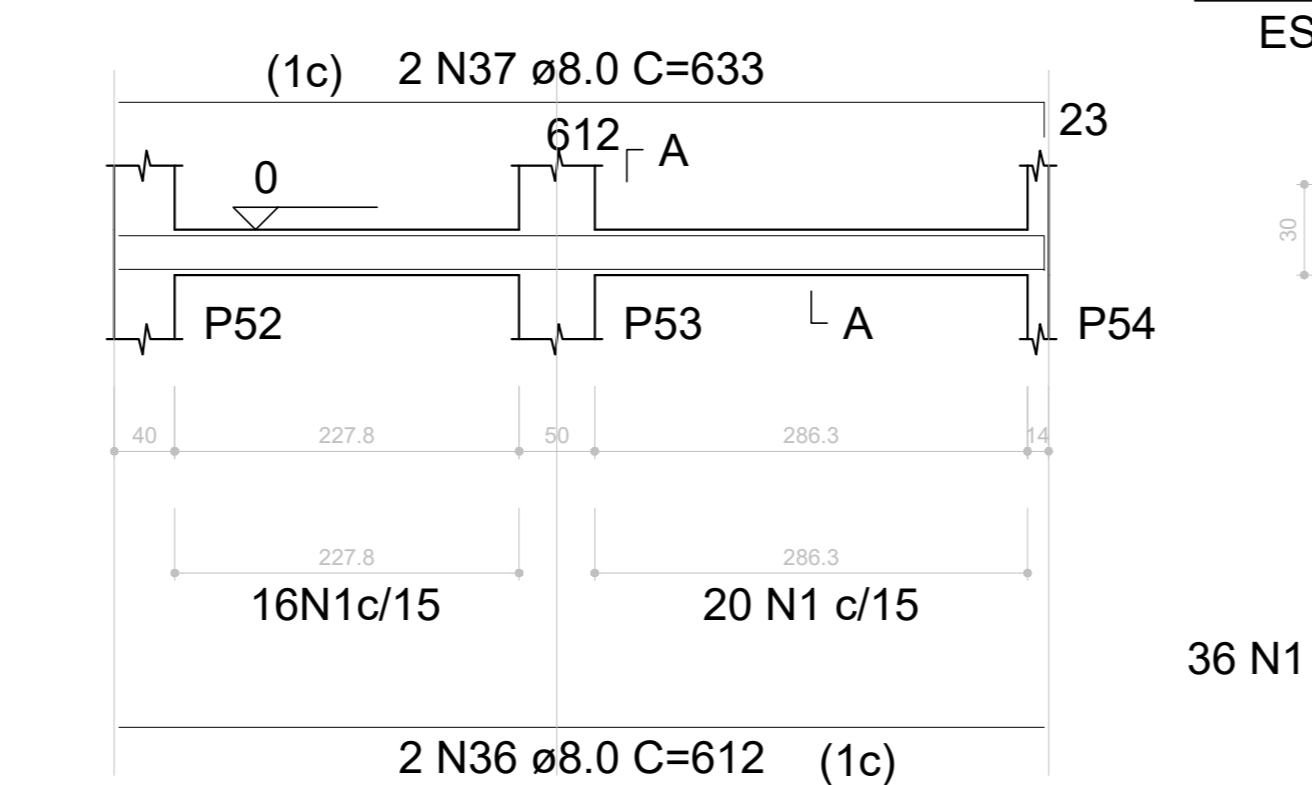
VB118 (12 x 30)

ESC 1:50



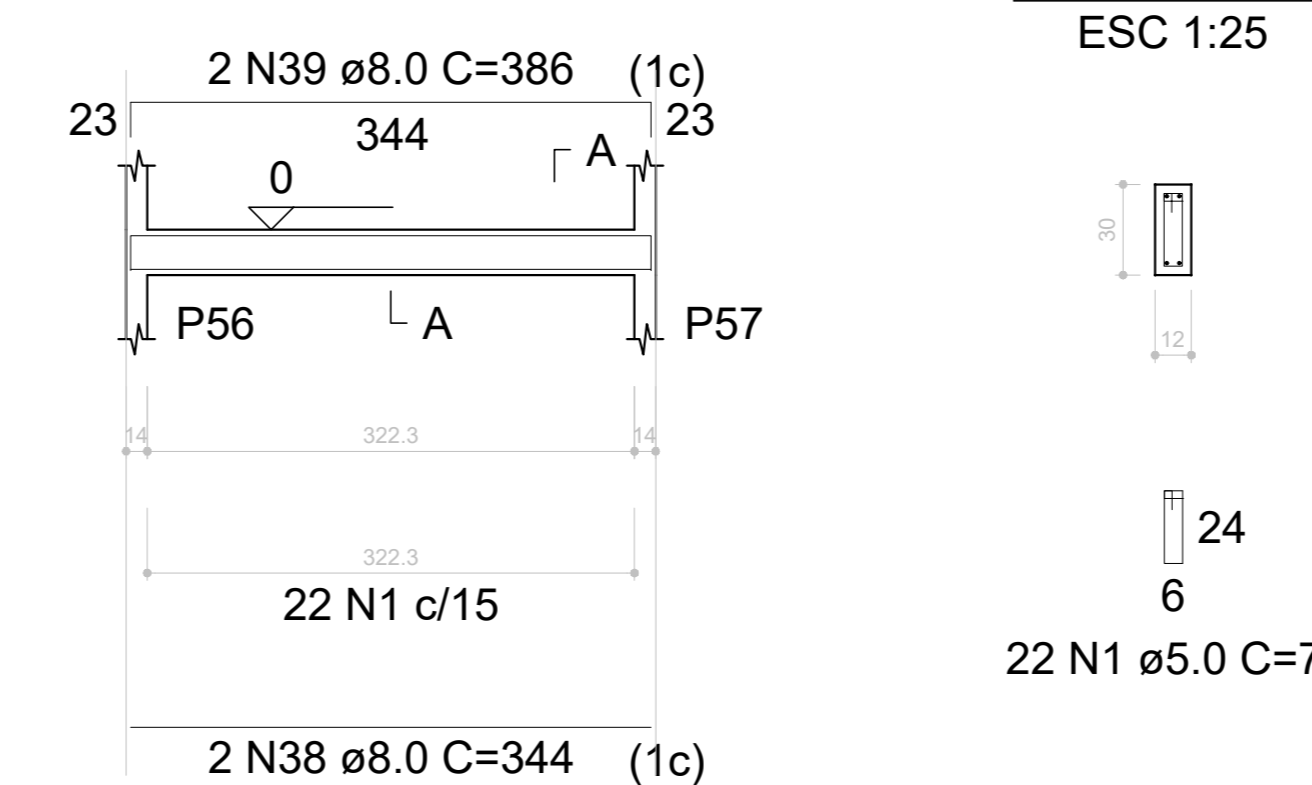
VB120 (12 x 30)

ESC 1:50



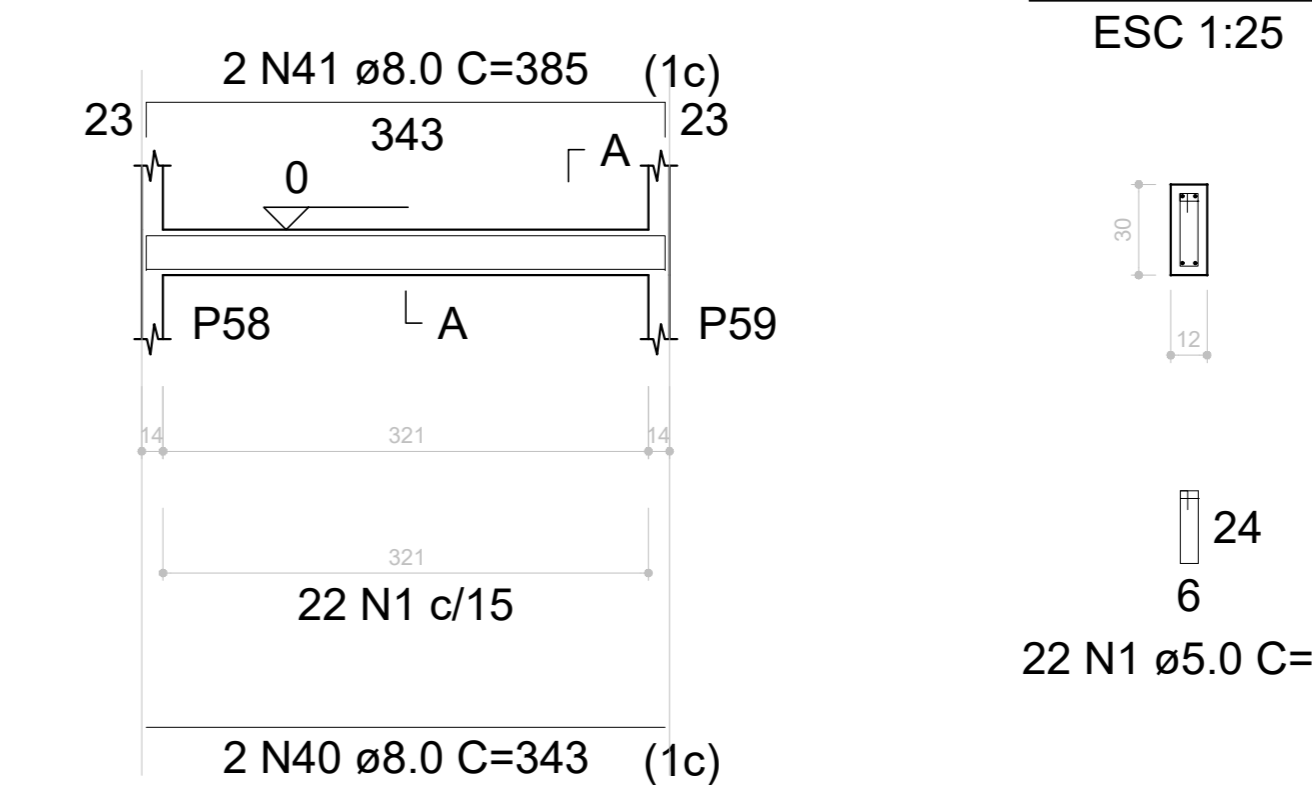
VB121 (12 x 30)

ESC 1:50



VB122 (12 x 30)

ESC 1:50



ESTRUTURAL

PREFEITURA
LUZIÂNIA
UM NOVO TEMPO COM BEM-ESTAR E TRABALHO

SMDU
SECRETARIA MUNICIPAL DE SAÚDE

OBRA: **CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO**
ENDEREÇO: R. JOÃO GONÇALVES, QD. DRIM. LT. 01, SETOR FUMAL, LUZIÂNIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA

AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

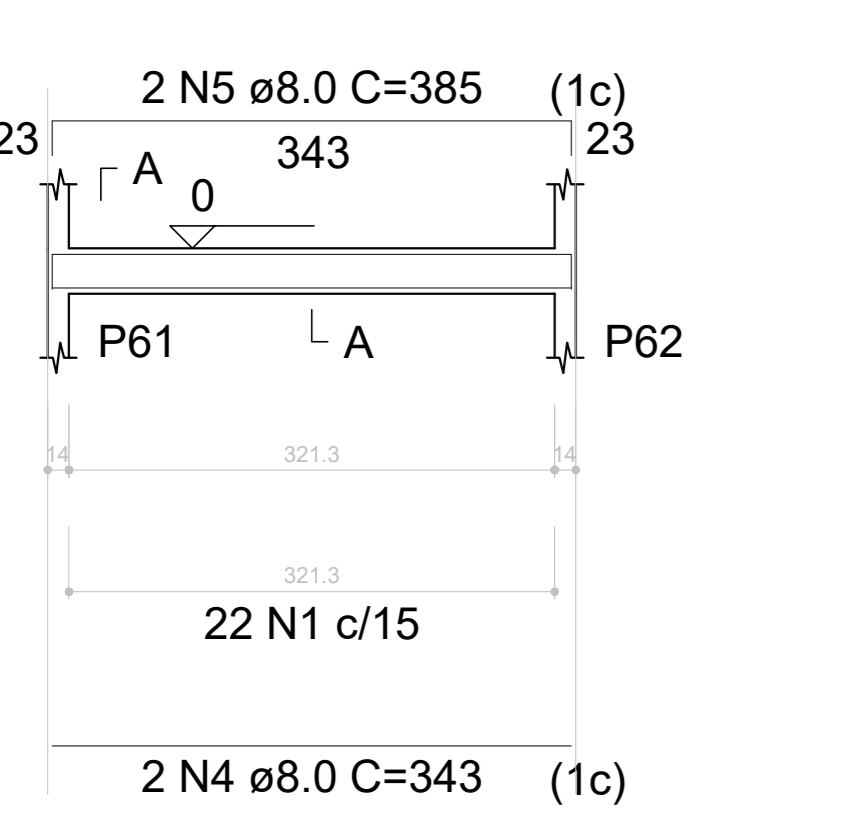
DIRITOS AUTORAIS DESTA OBRA PERTENCEM AOS PROFISSIONAIS ACIMA CITADOS. É PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5989 ART. 25.

FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
OUTROS:	

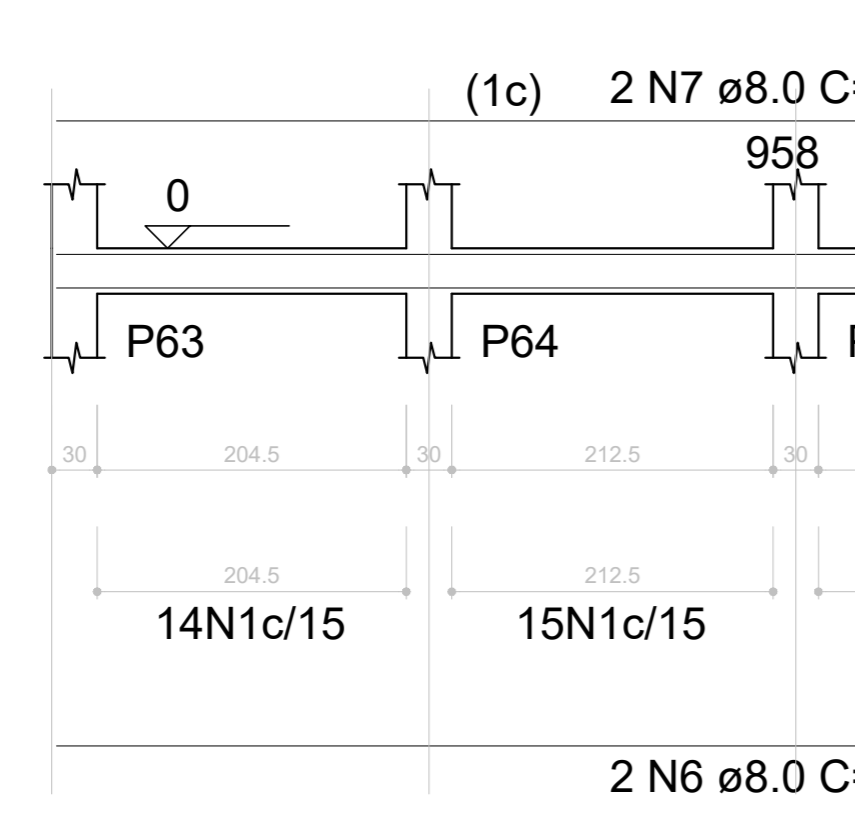
FOLHA: 3/6 CONTEÚDO: ESTRUTURAL VIGAS ÁREAS: INDICADA EM QUADRO

DATA: 02/2023 DESENHO: ISABELLE MORAES ESCALA: INDICADA UNIDADE: METROS

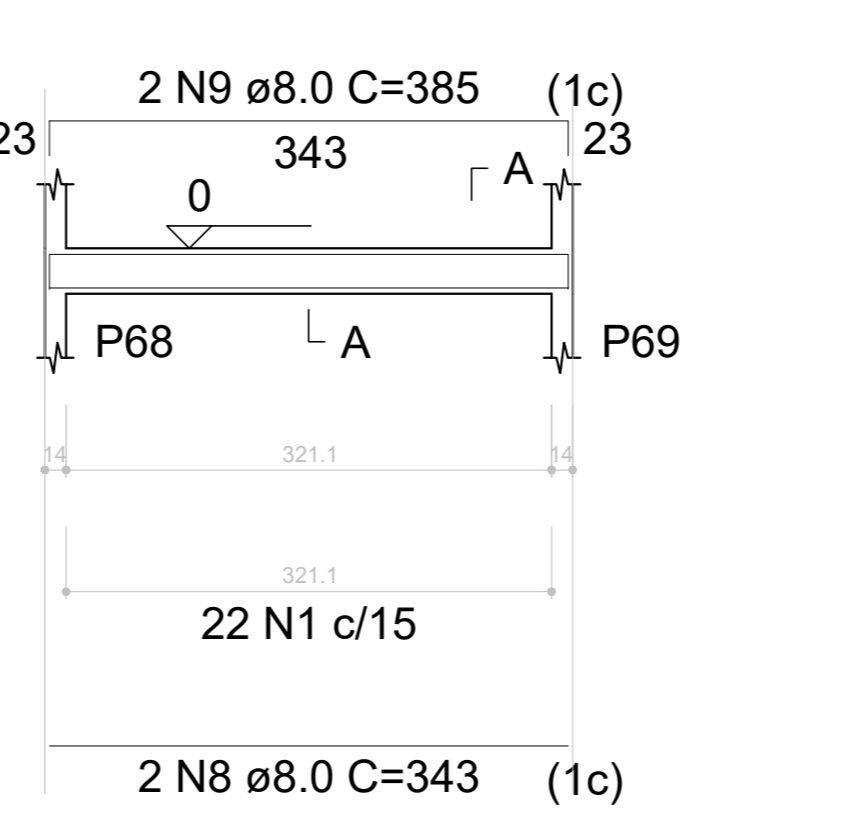
VB123 (12 x 30)



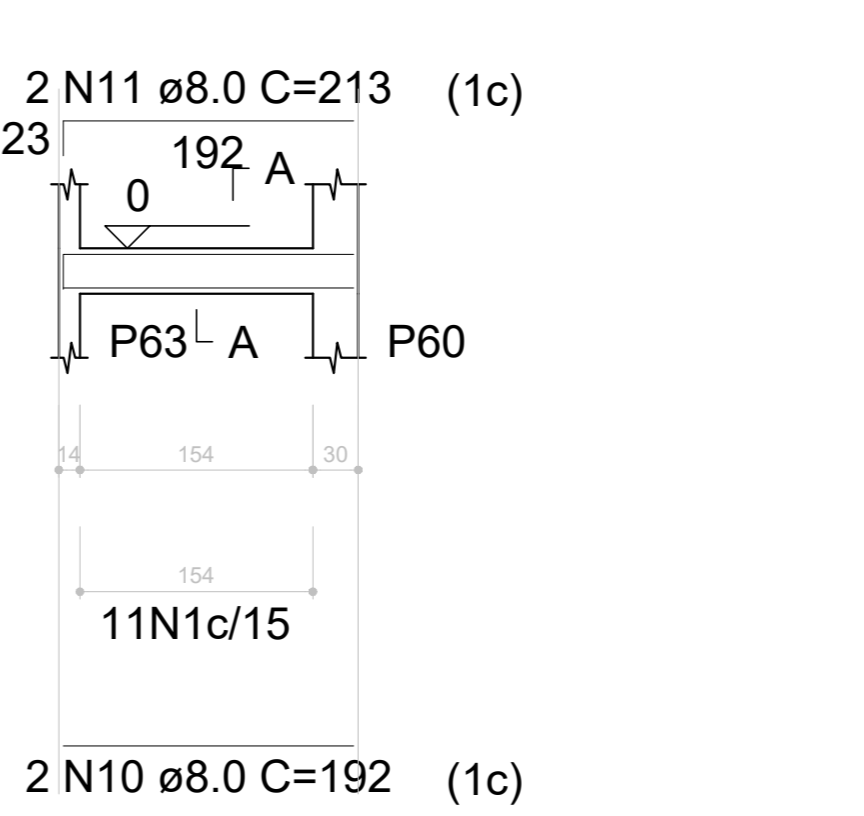
VB124 (12 x 30)



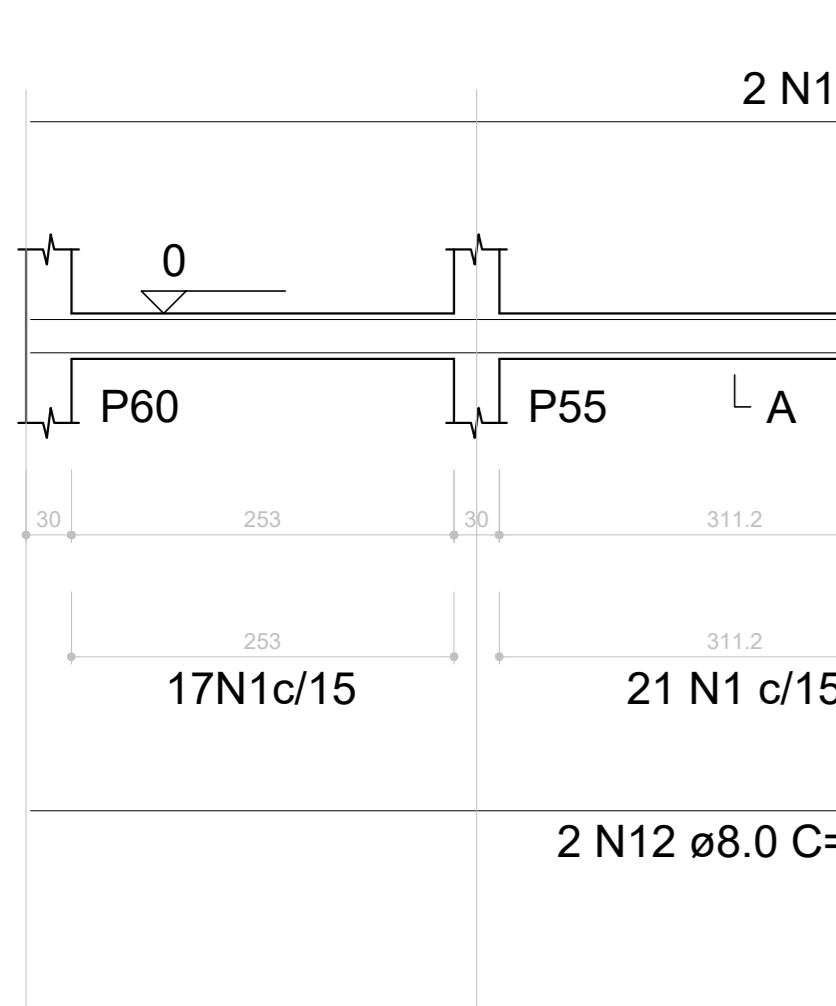
VB125 (12 x 30)



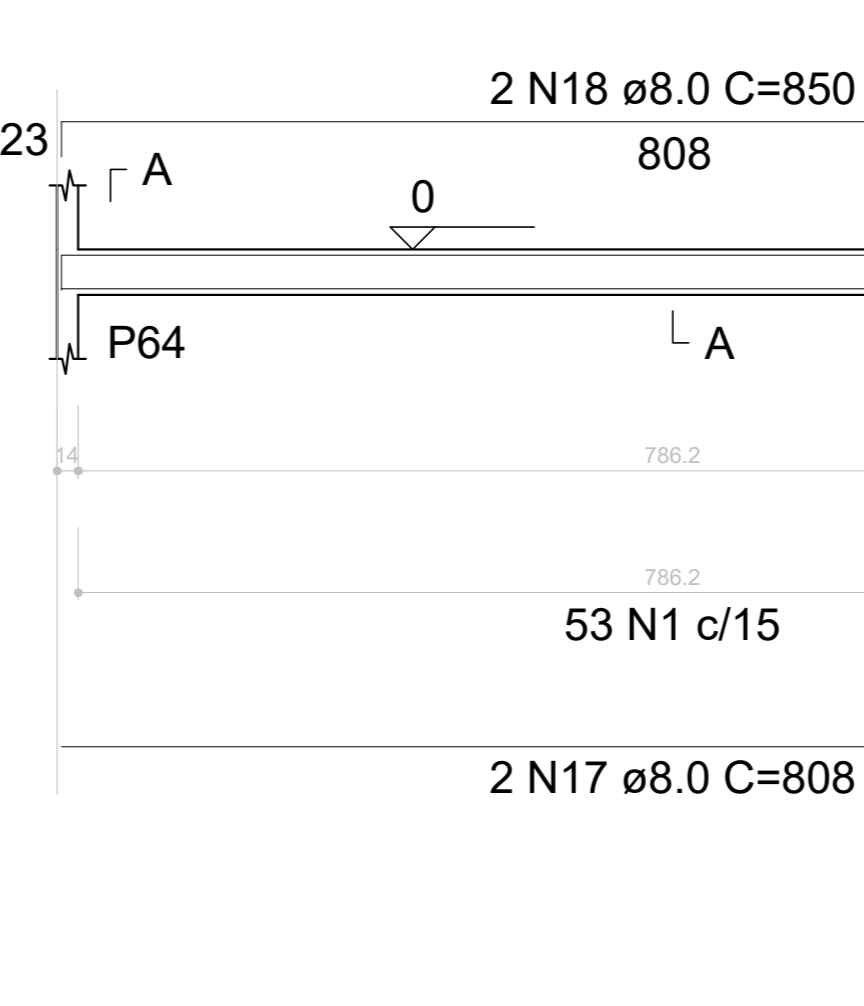
VB126 (12 x 30)



VB127 (12 x 30)



VB128 (12 x 30)



RELAÇÃO DO AÇO

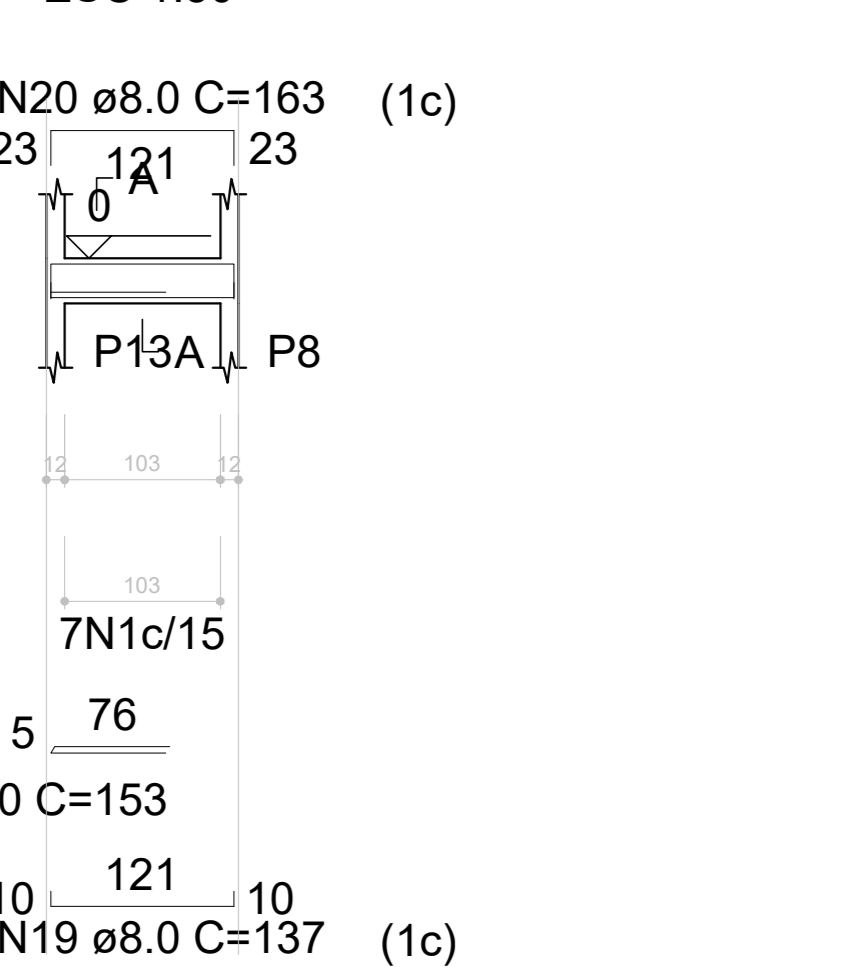
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	705	71	50055
CA50	2	5.0	1	153	153
CA50	3	5.0	26	95	2470
CA50	4	8.0	2	343	686
CA50	5	8.0	2	385	770
CA50	6	8.0	2	958	1916
CA50	7	8.0	2	979	1958
CA50	8	8.0	2	343	686
CA50	9	8.0	2	385	770
CA50	10	8.0	2	192	384
CA50	11	8.0	2	213	426
CA50	12	8.0	2	939	1878
CA50	13	8.0	2	1188	2376
CA50	14	8.0	2	608	1216
CA50	15	8.0	4	1200	4800
CA50	16	8.0	2	442	884
CA50	17	8.0	4	808	3232
CA50	18	8.0	4	850	3400
CA50	19	8.0	2	137	274
CA50	20	8.0	2	163	326
CA50	21	8.0	2	809	1618
CA50	22	8.0	2	851	1702
CA50	23	8.0	2	324	648
CA50	24	8.0	2	345	690
CA50	25	8.0	4	652	2608
CA50	26	8.0	4	594	2376
CA50	27	8.0	2	633	1266
CA50	28	8.0	2	646	1292
CA50	29	8.0	2	943	1886
CA50	30	8.0	2	559	1118
CA50	31	8.0	2	1198	2396
CA50	32	8.0	2	380	760
CA50	33	8.0	2	642	1284
CA50	34	8.0	2	655	1310
CA50	35	8.0	2	126	252
CA50	36	8.0	2	139	278
CA50	37	8.0	2	225	450
CA50	38	8.0	2	238	476
CA50	39	8.0	2	311	622
CA50	40	8.0	2	332	664

RESUMO DO AÇO

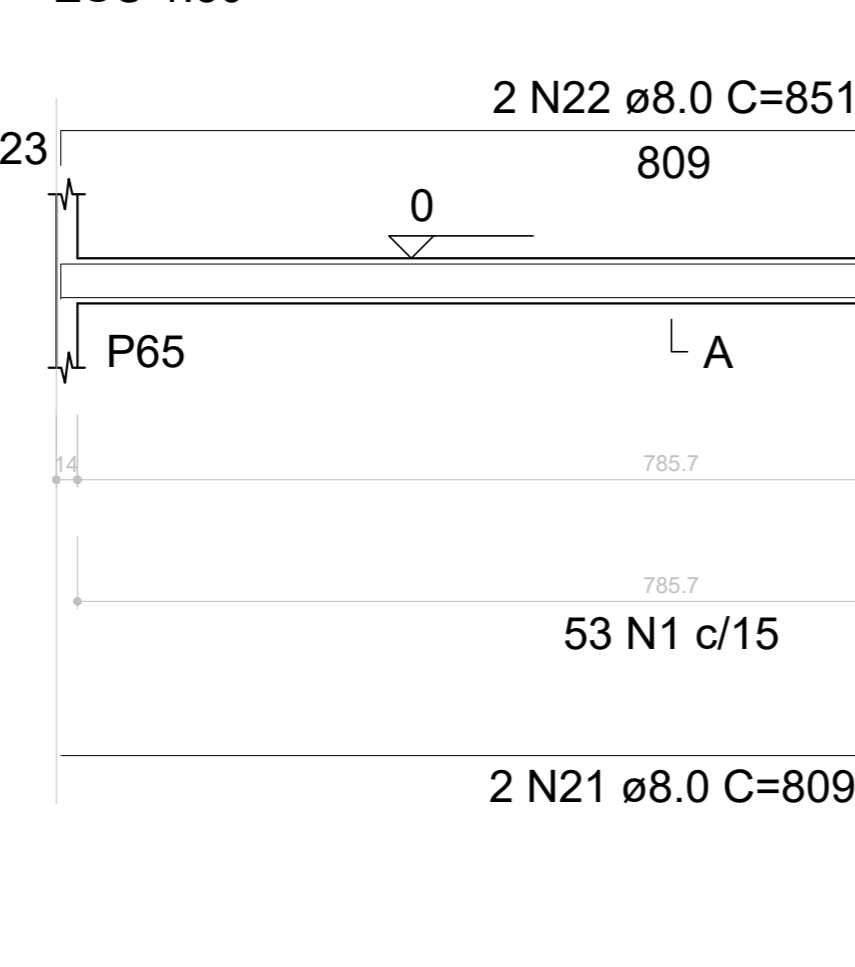
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	496.8	215.6
CA60	5.0	526.8	89.3
PESO TOTAL (kg)			
CA50			215.6
CA60			89.3

Volume de concreto (C-25) = 4.52 m³
Área de forma = 89.38 m²

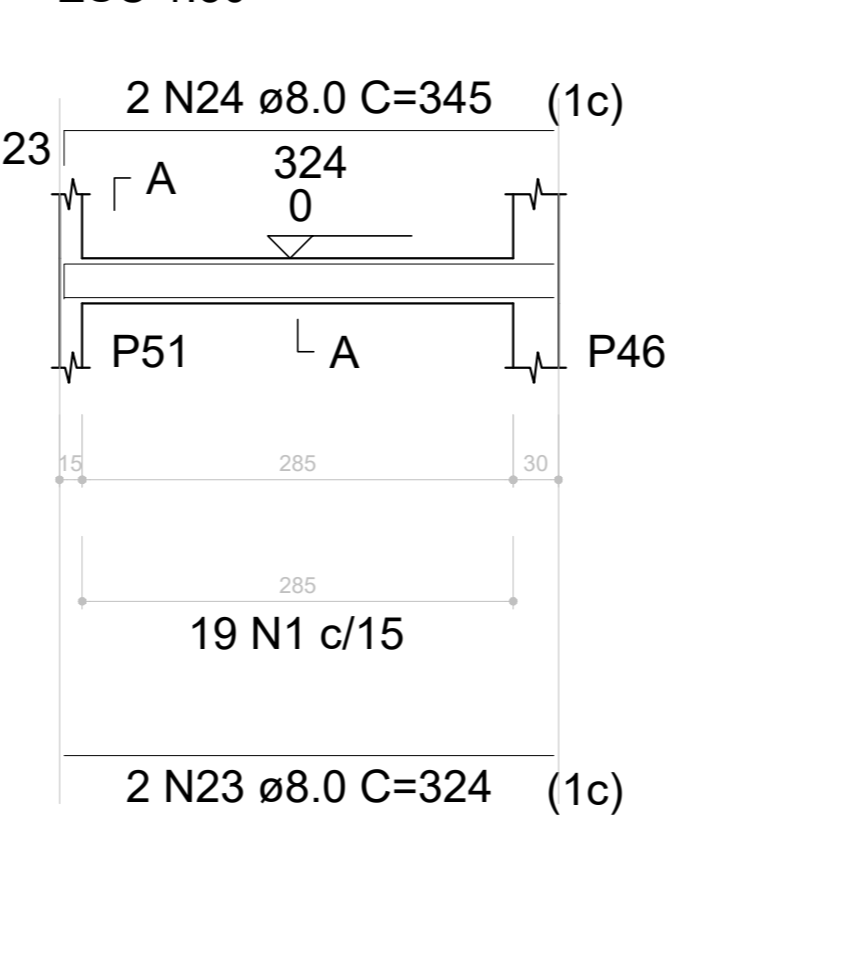
VB129 (12 x 30)



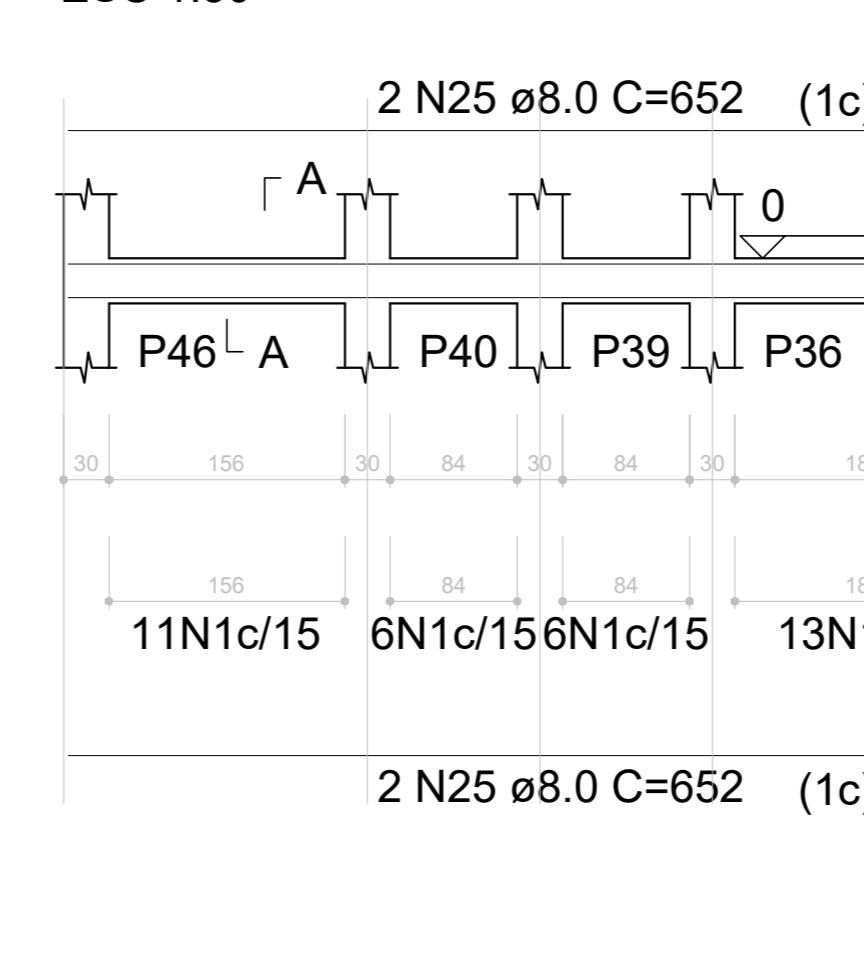
VB130 (12 x 30)



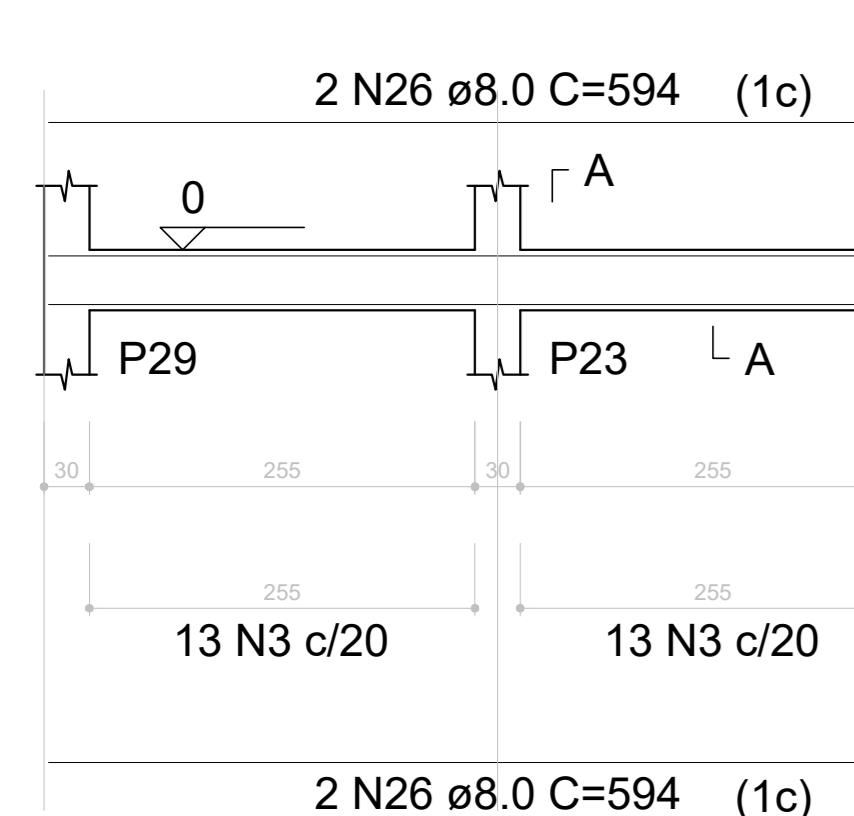
VB131 (12 x 30)



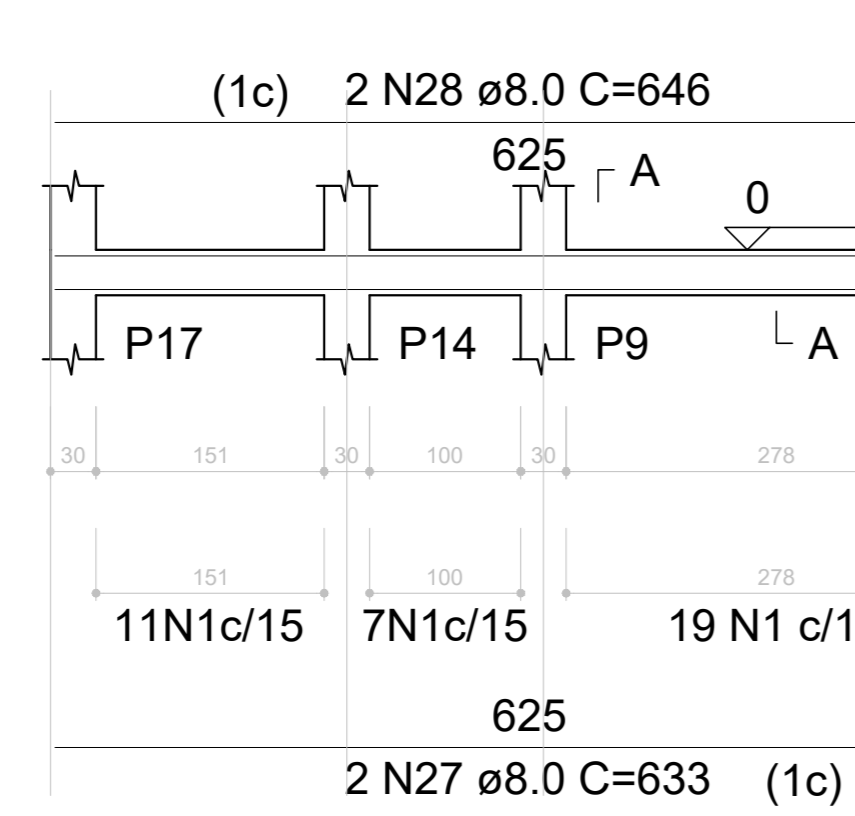
VB132 (12 x 30)



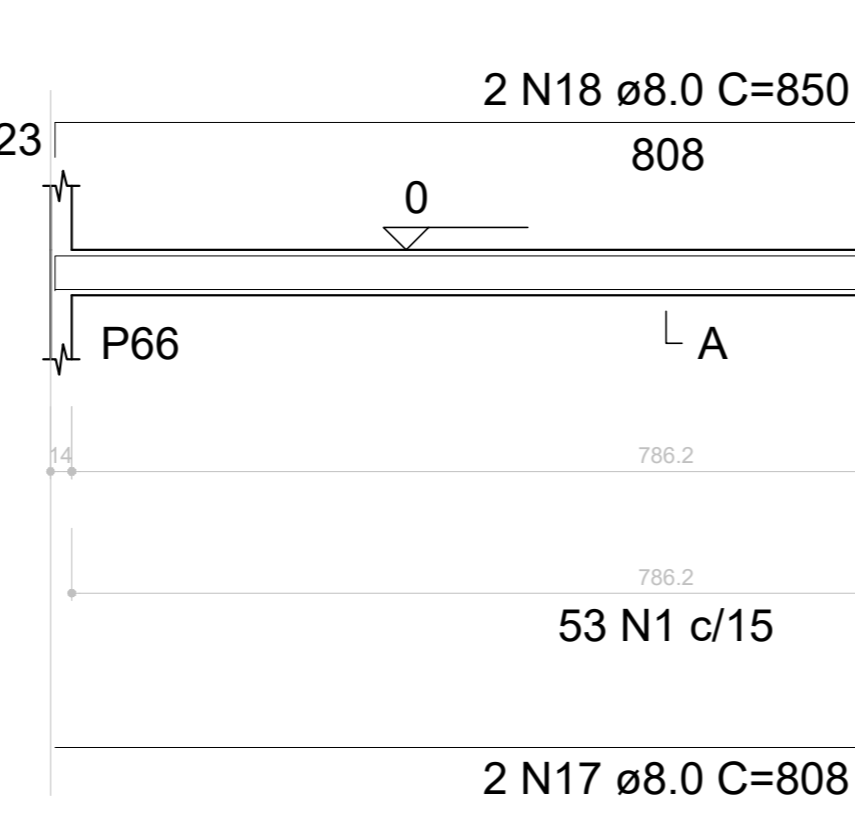
VB133 (14 x 40)



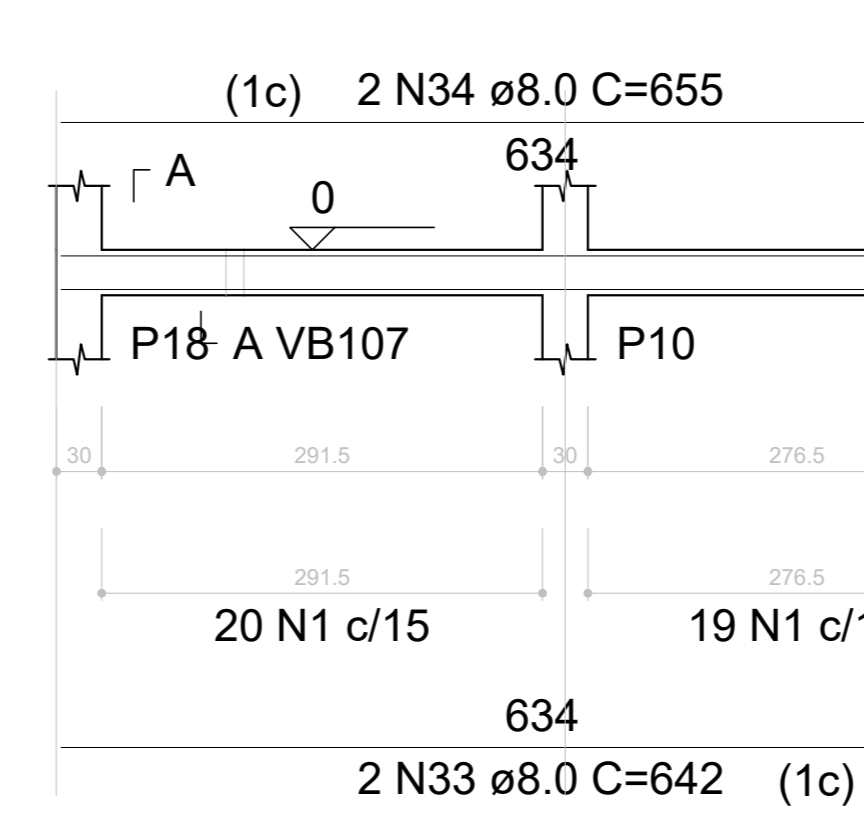
VB134 (12 x 30)



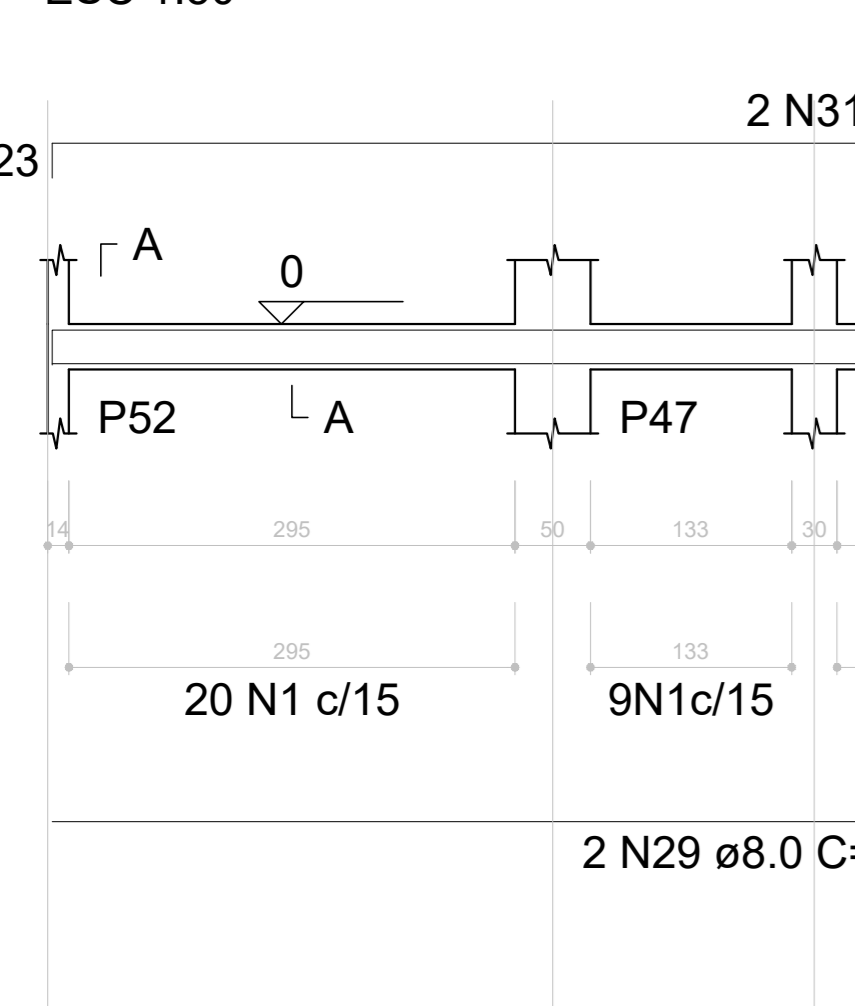
VB135 (12 x 30)



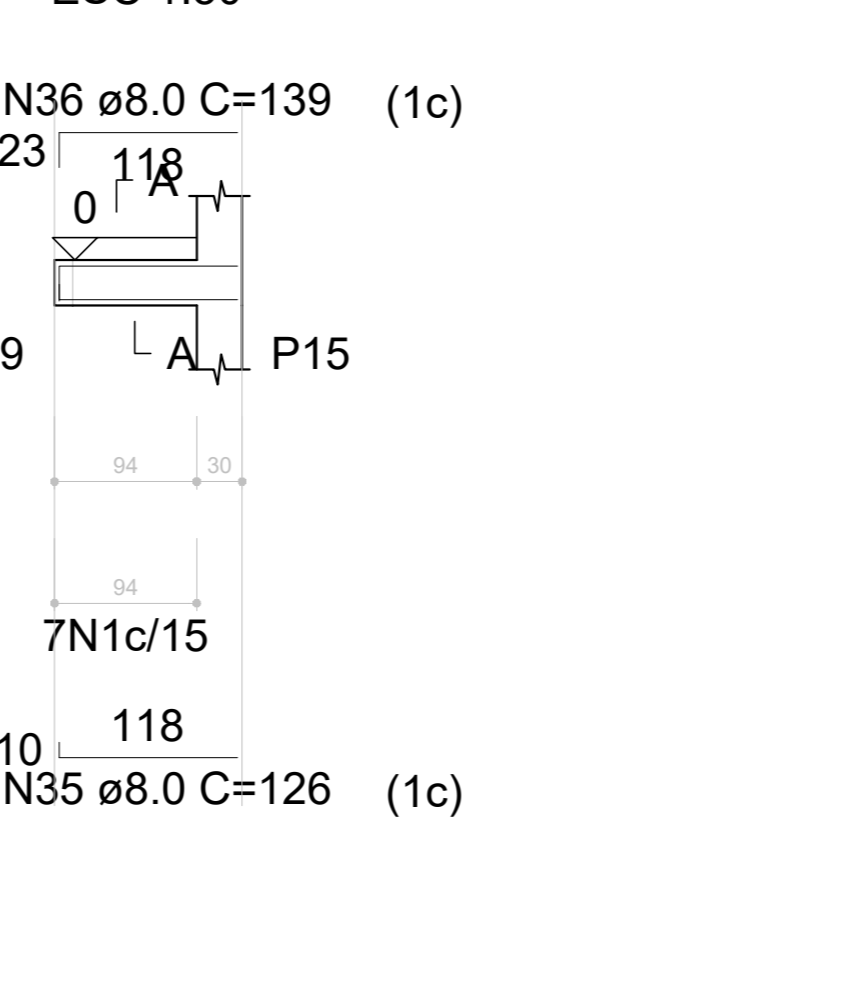
VB137 (12 x 30)



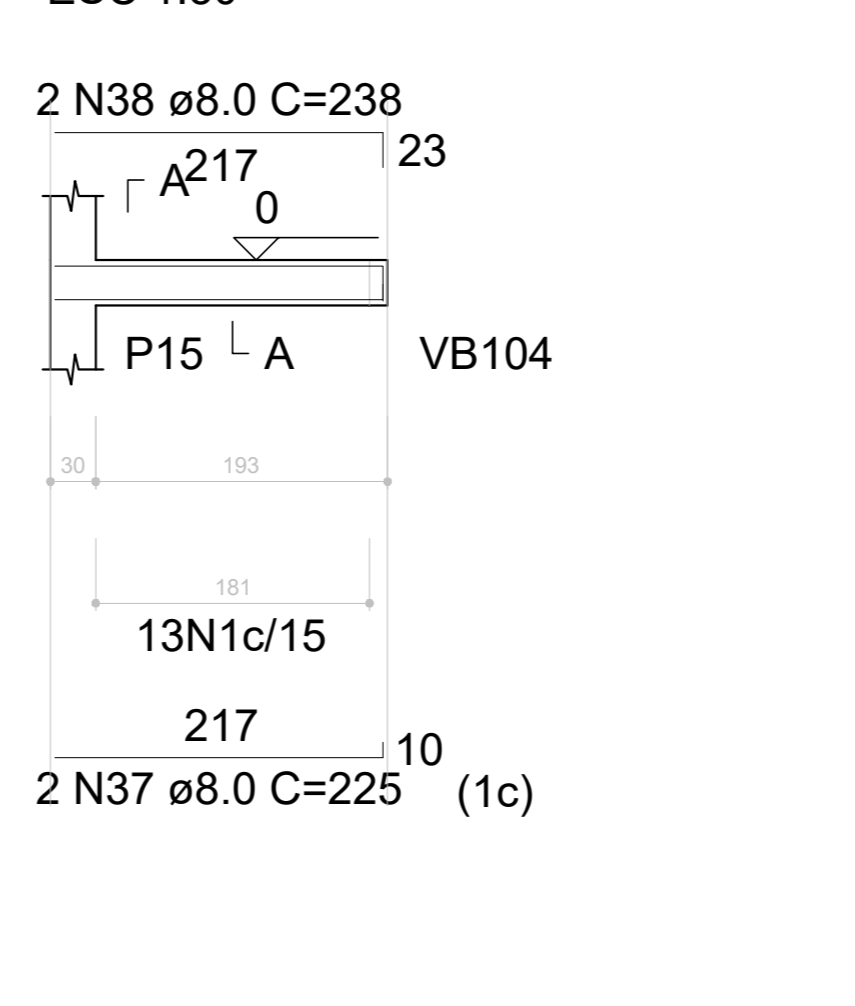
VB136 (12 x 30)



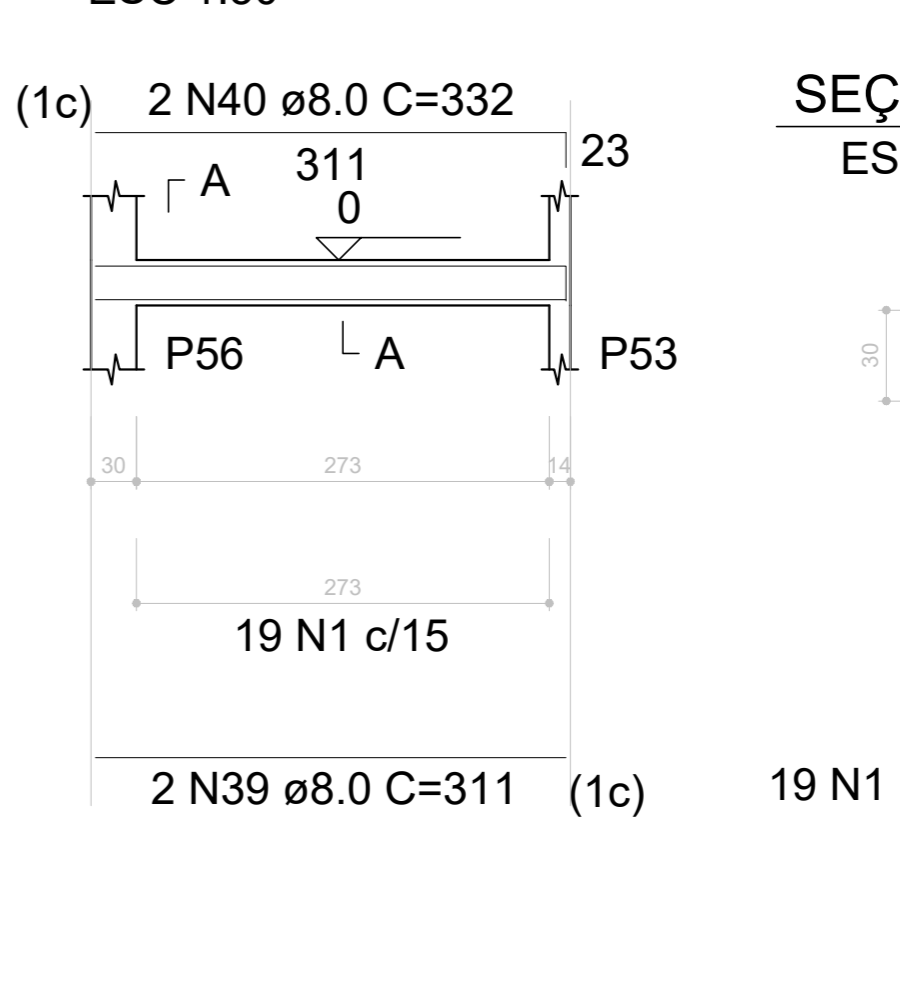
VB138 (12 x 30)



VB139 (12 x 30)



VB141 (12 x 30)



ESTRUTURAL

PREFEITURA LUZIÂNIA
SMDU

OBRA: **CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO**
ENDEREÇO: R. JOÃO GONÇALVES, QD. DRM. LT. 01, SETOR FUMAL, LUZIÂNIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA

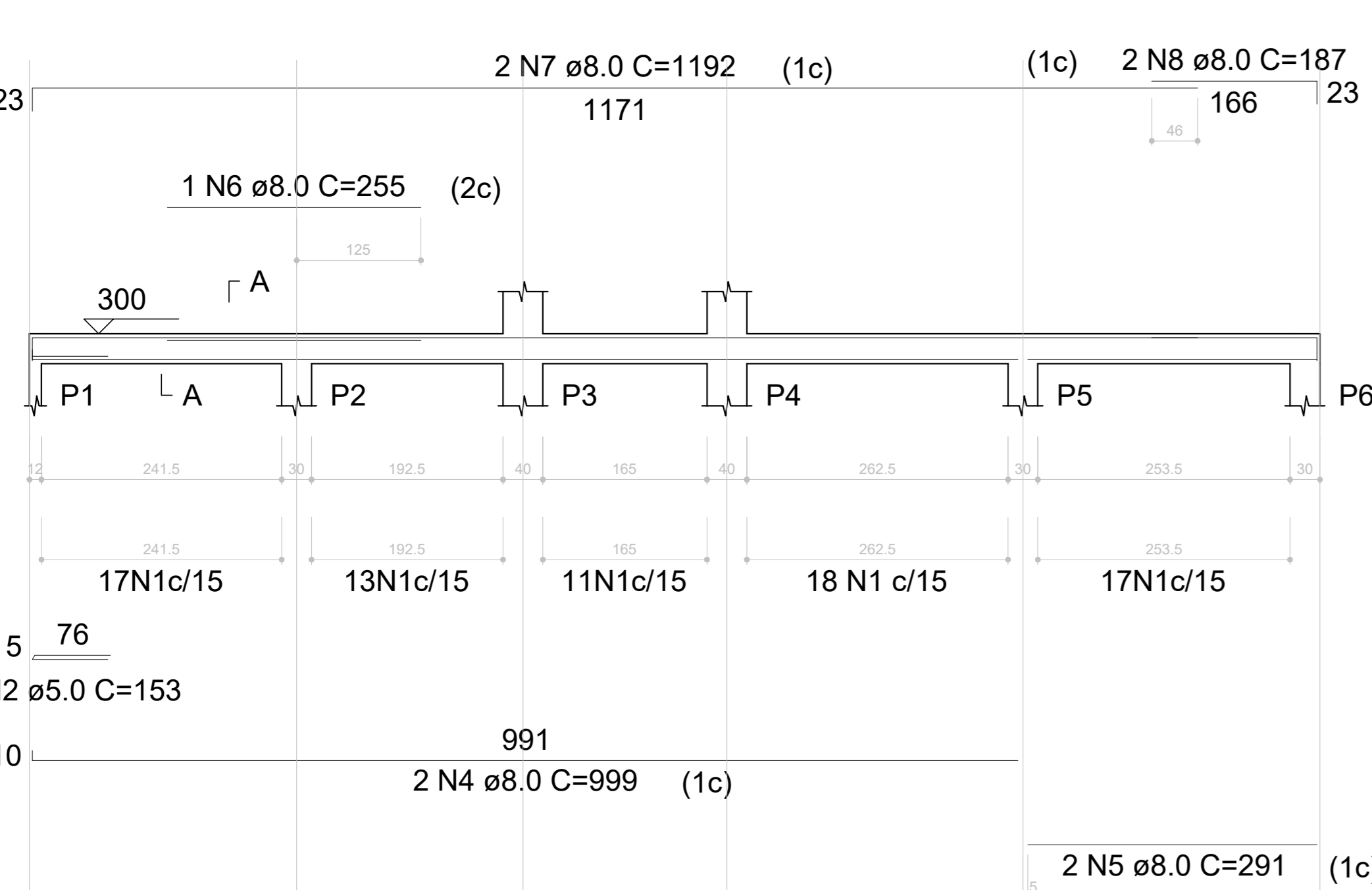
AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

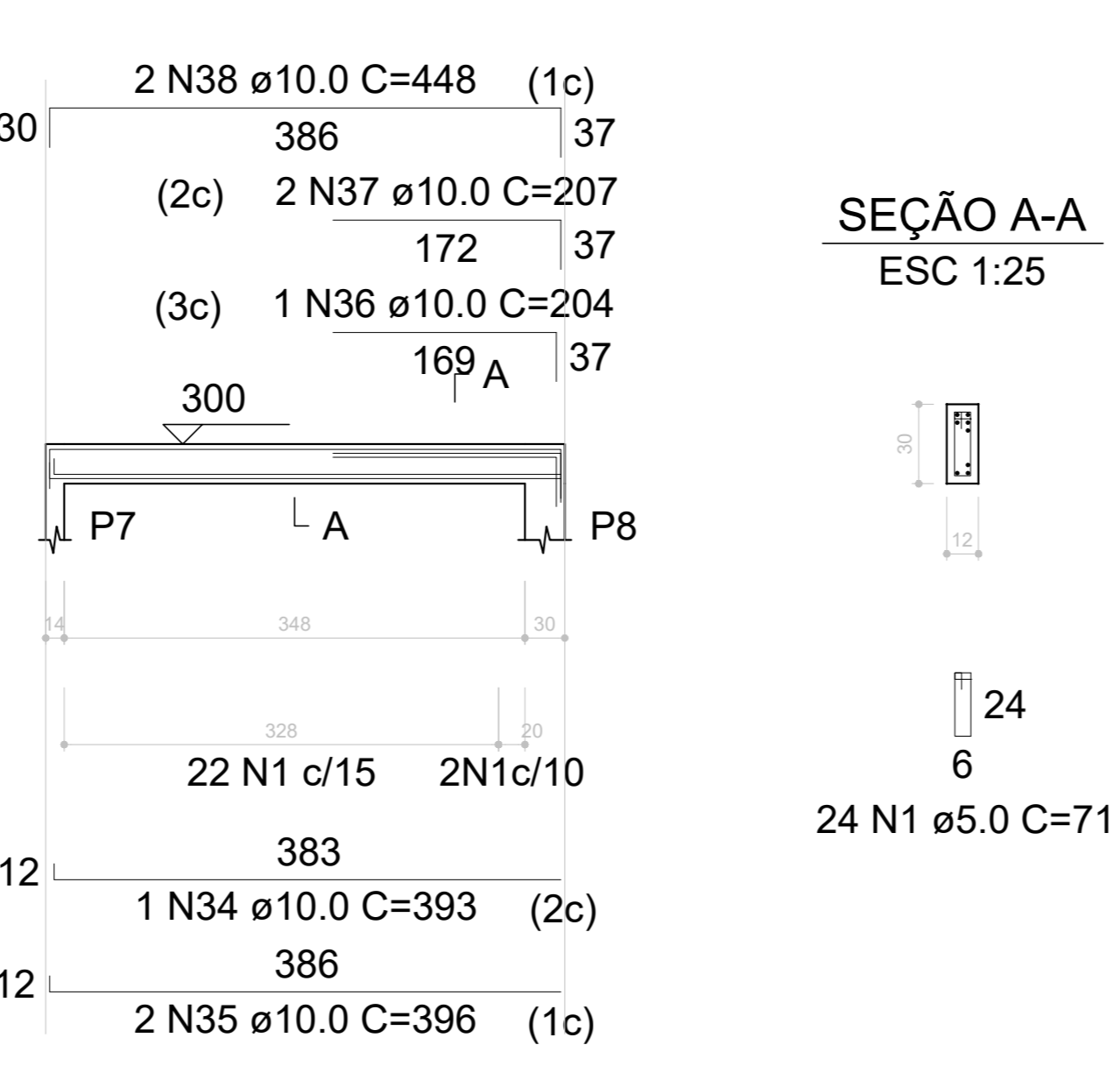
DISSERTAÇÃO AUTORA DESTA PROPOSTA PERTENCEM AOS PROFISSIONAIS ACIMA CITADOS, E PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5.988 ART. 25.

FISCALIZAÇÃO E LICENÇA: CREA/CAU: OUTROS:

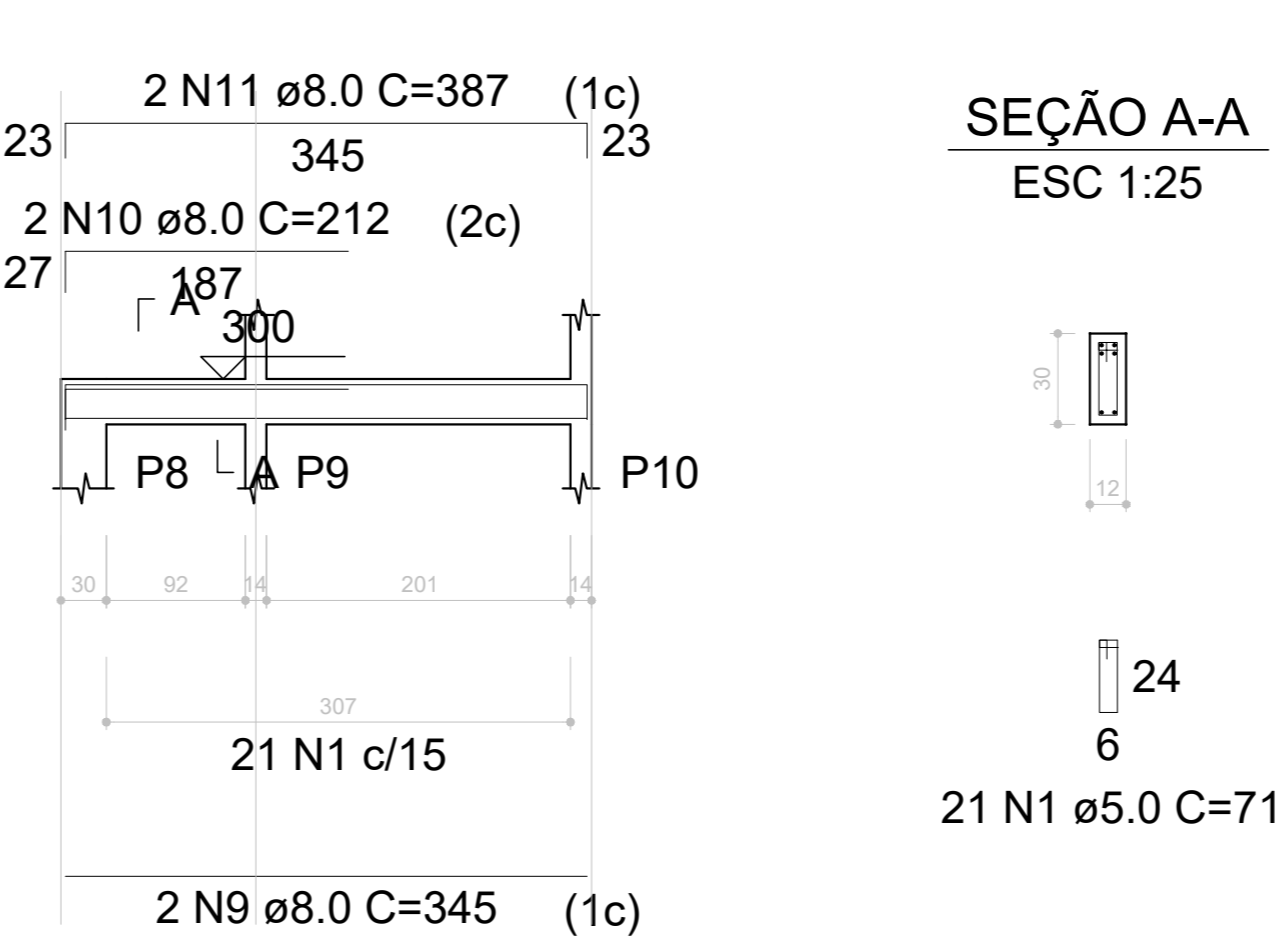
VT201 (12 x 30)



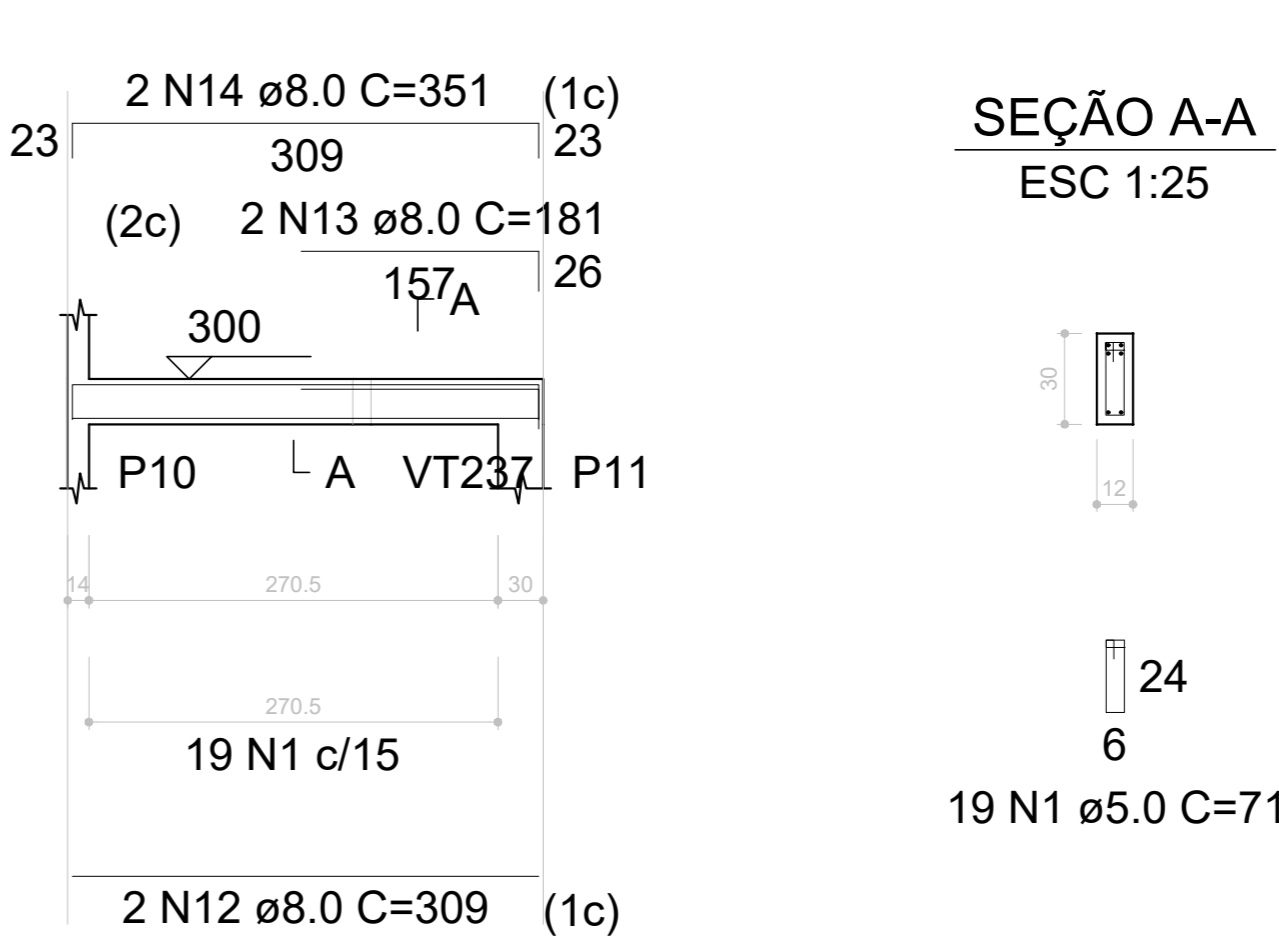
VT202 (12 x 30)



VT203 (12 x 30)



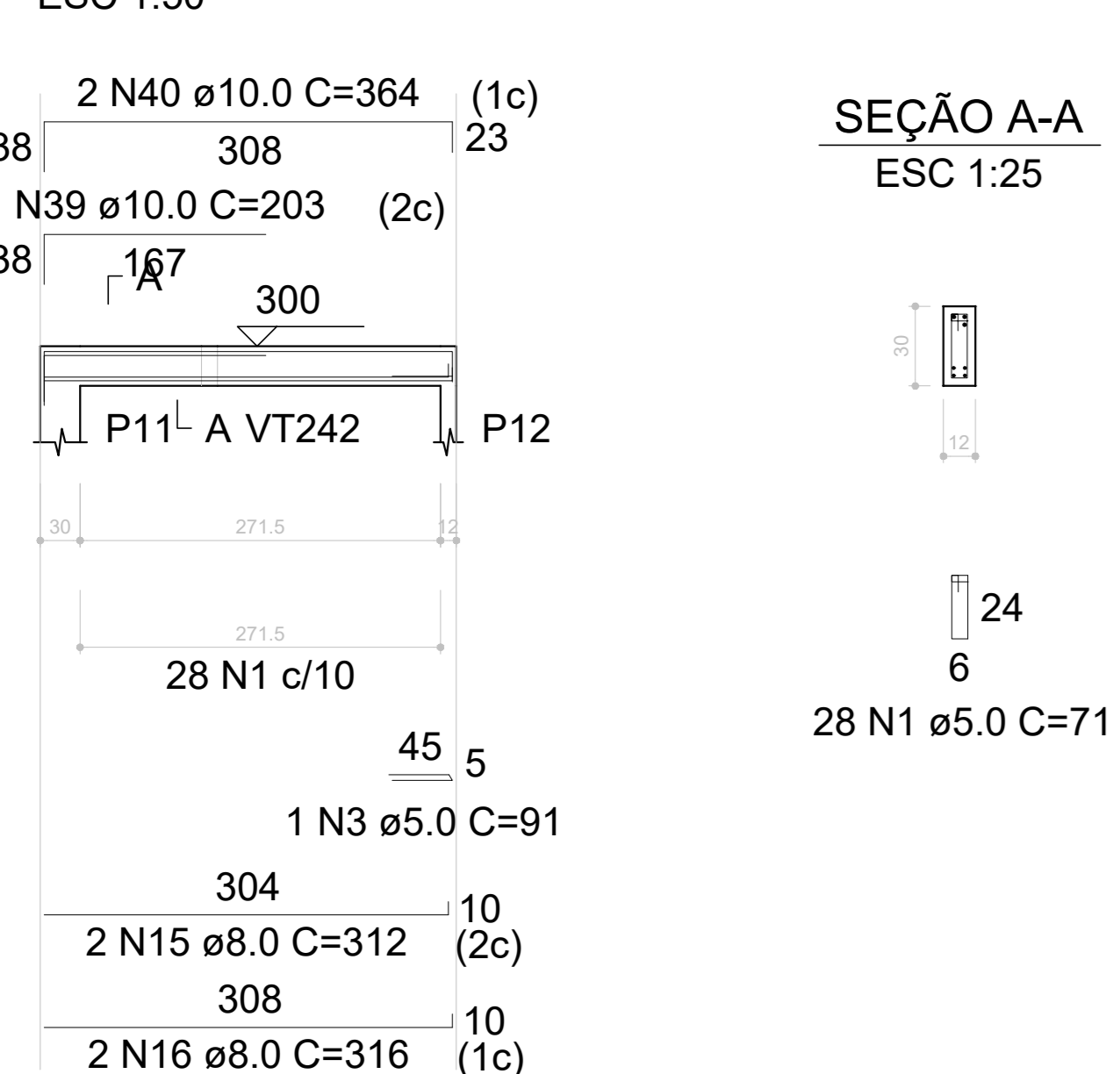
VT204 (12 x 30)



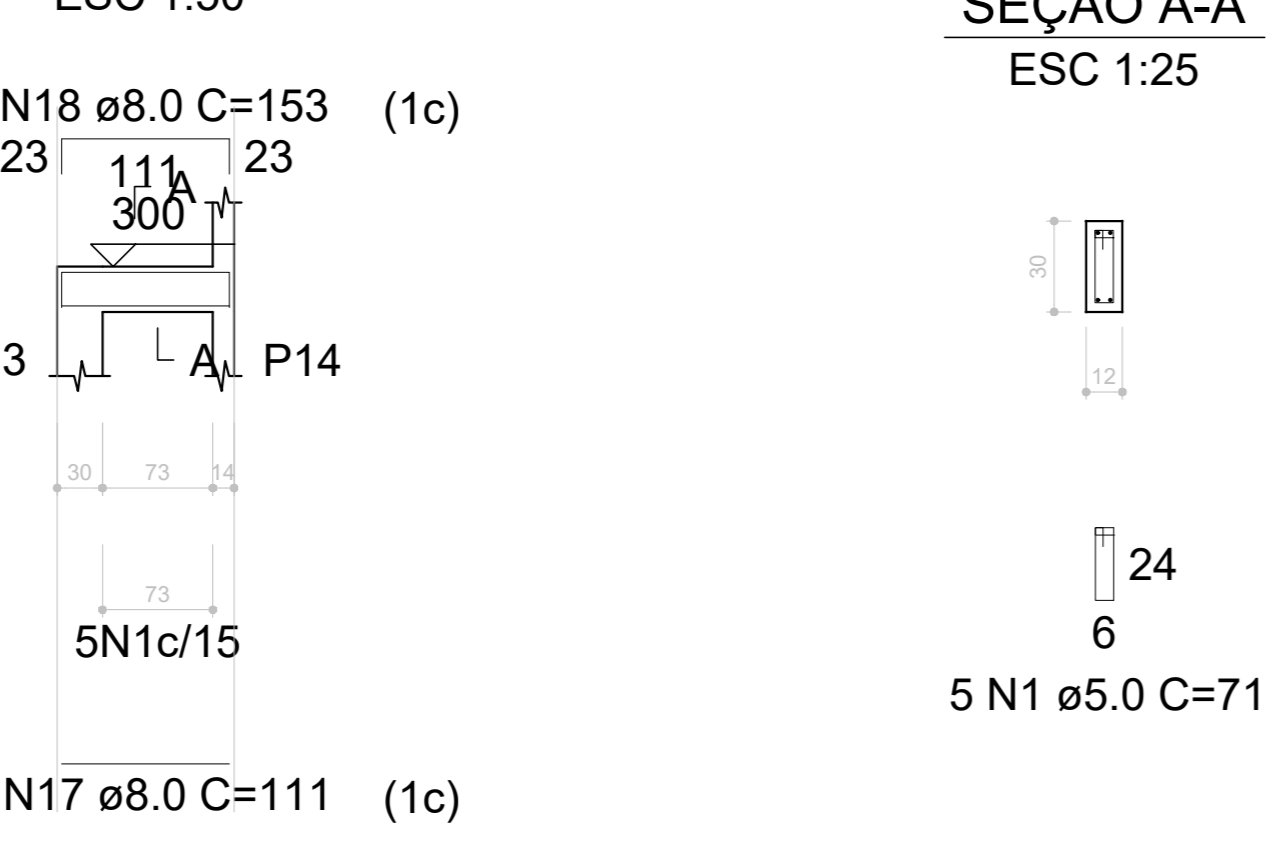
RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	589	71	41819
CA60	2	5.0	1	153	153
CA60	3	5.0	4	91	364
CA50	4	8.0	4	999	3996
CA50	5	8.0	2	291	582
CA50	6	8.0	1	255	255
CA50	7	8.0	2	1192	2384
CA50	8	8.0	2	187	374
CA50	9	8.0	2	345	690
CA50	10	8.0	2	212	424
CA50	11	8.0	2	387	774
CA50	12	8.0	2	309	618
CA50	13	8.0	2	181	362
CA50	14	8.0	2	351	702
CA50	15	8.0	4	312	1248
CA50	16	8.0	6	316	1896
CA50	17	8.0	2	111	222
CA50	18	8.0	2	153	306
CA50	19	8.0	2	202	404
CA50	20	8.0	2	236	472
CA50	21	8.0	2	716	1432
CA50	22	8.0	2	213	426
CA50	23	8.0	2	355	710
CA50	24	8.0	2	1008	2016
CA50	25	8.0	1	304	304
CA50	26	8.0	2	308	616
CA50	27	8.0	2	299	598
CA50	28	8.0	4	607	2428
CA50	29	8.0	4	633	2532
CA50	30	8.0	4	508	2032
CA50	31	8.0	2	230	460
CA50	32	8.0	2	284	568
CA50	33	8.0	1	290	290
CA50	34	10.0	1	393	393
CA50	35	10.0	2	396	792
CA50	36	10.0	1	204	204
CA50	37	10.0	2	207	414
CA50	38	10.0	2	448	896
CA50	39	10.0	1	203	203
CA50	40	10.0	4	364	1456
CA50	41	10.0	2	749	1498
CA50	42	10.0	2	193	386
CA50	43	10.0	1	335	335
CA50	44	10.0	4	1192	4768
CA50	45	10.0	4	216	864
CA50	46	10.0	1	325	325
CA50	47	10.0	4	533	2132

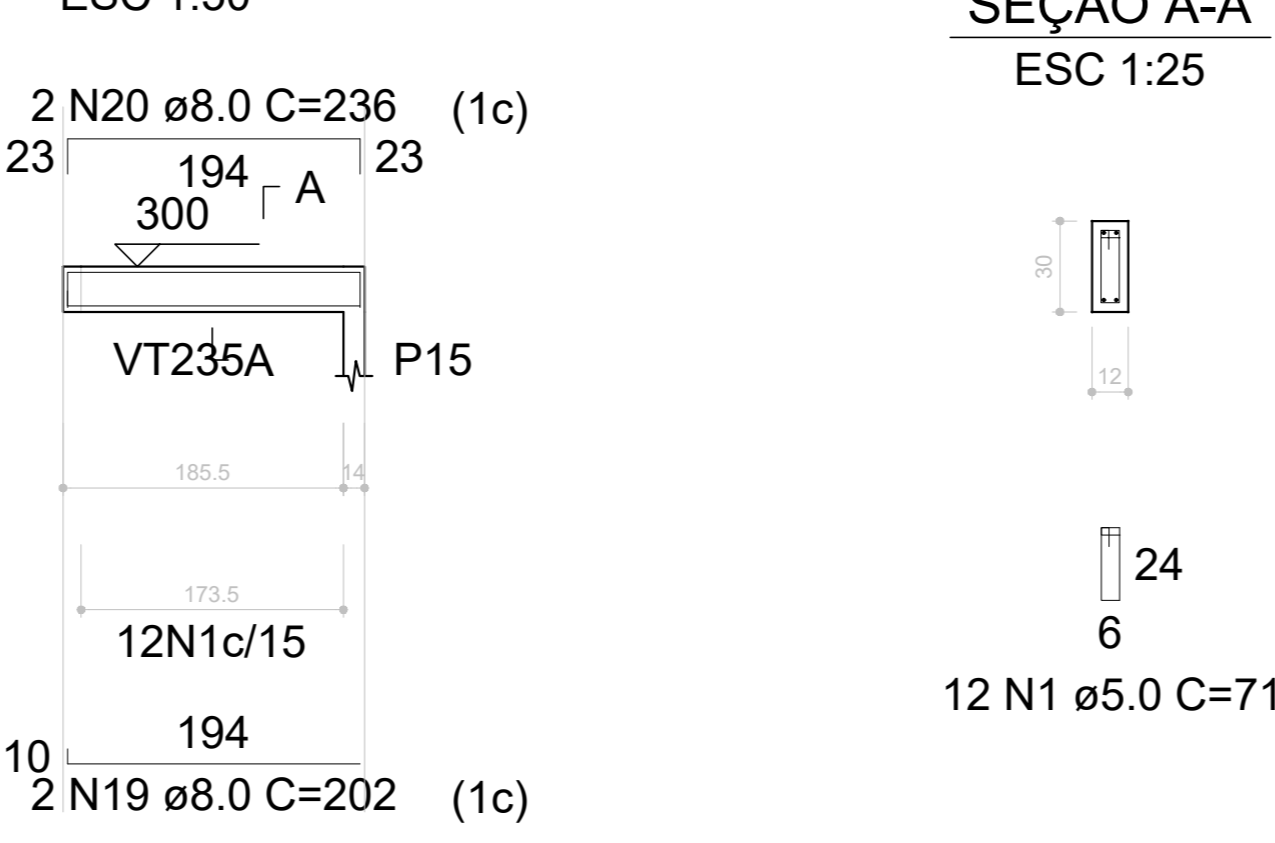
VT205 (12 x 30)



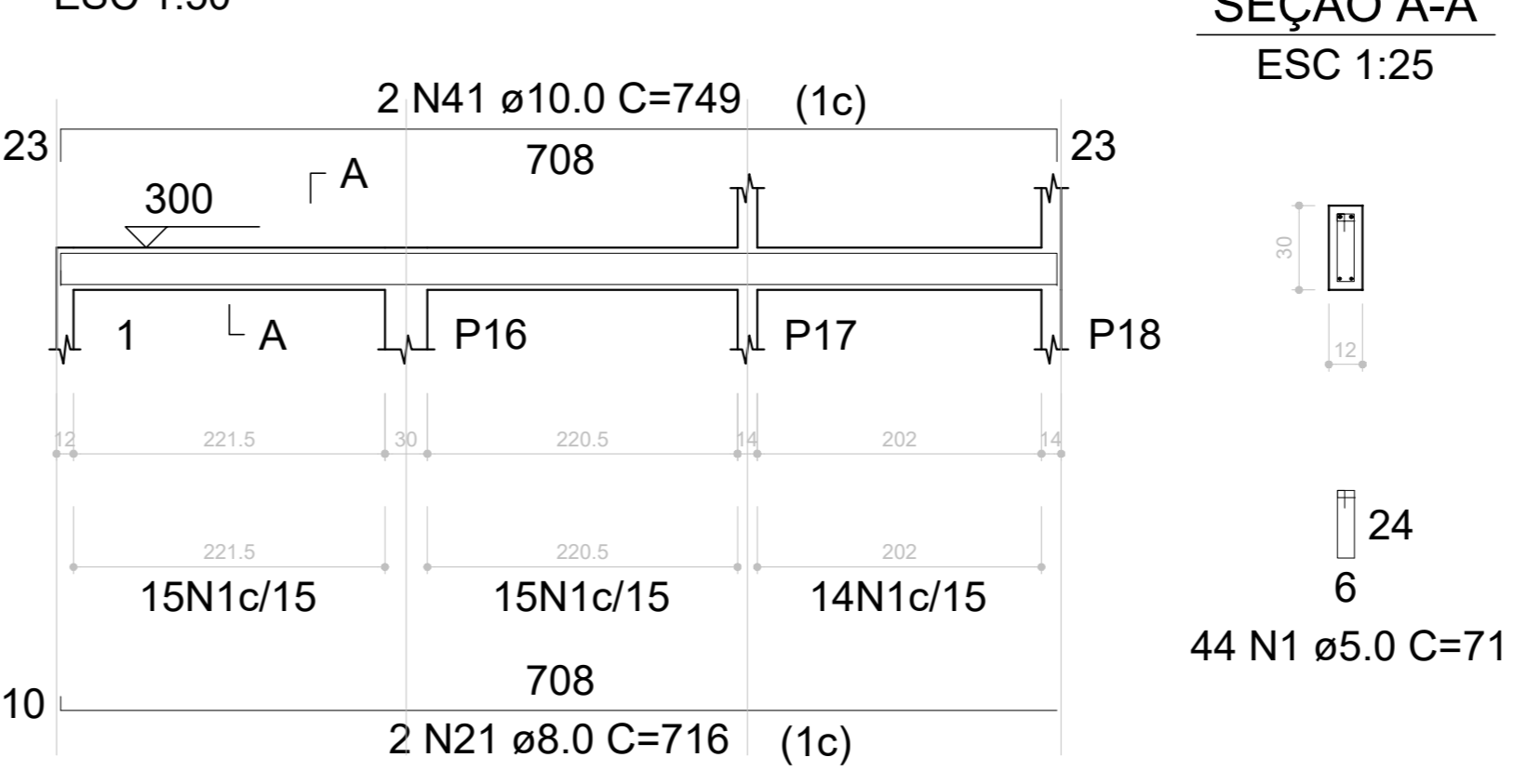
VT206 (12 x 30)



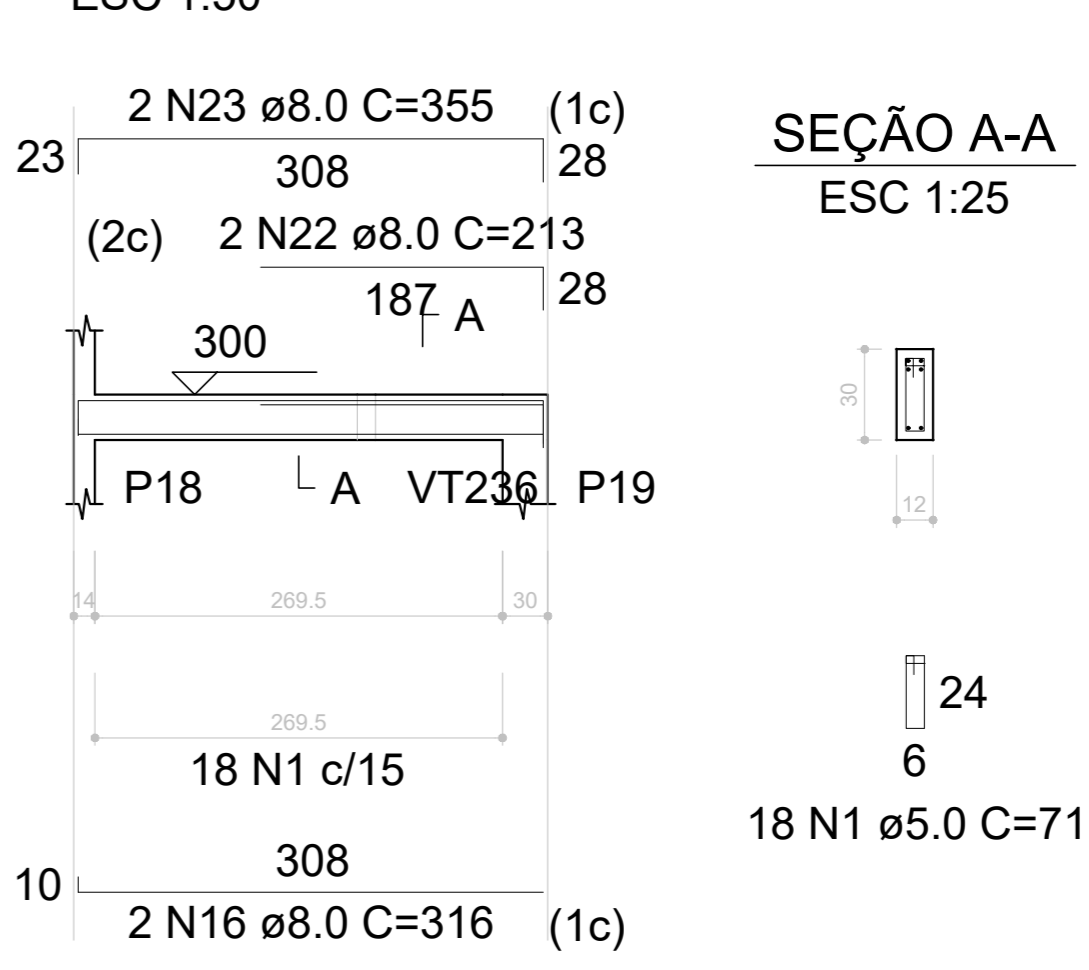
VT207 (12 x 30)



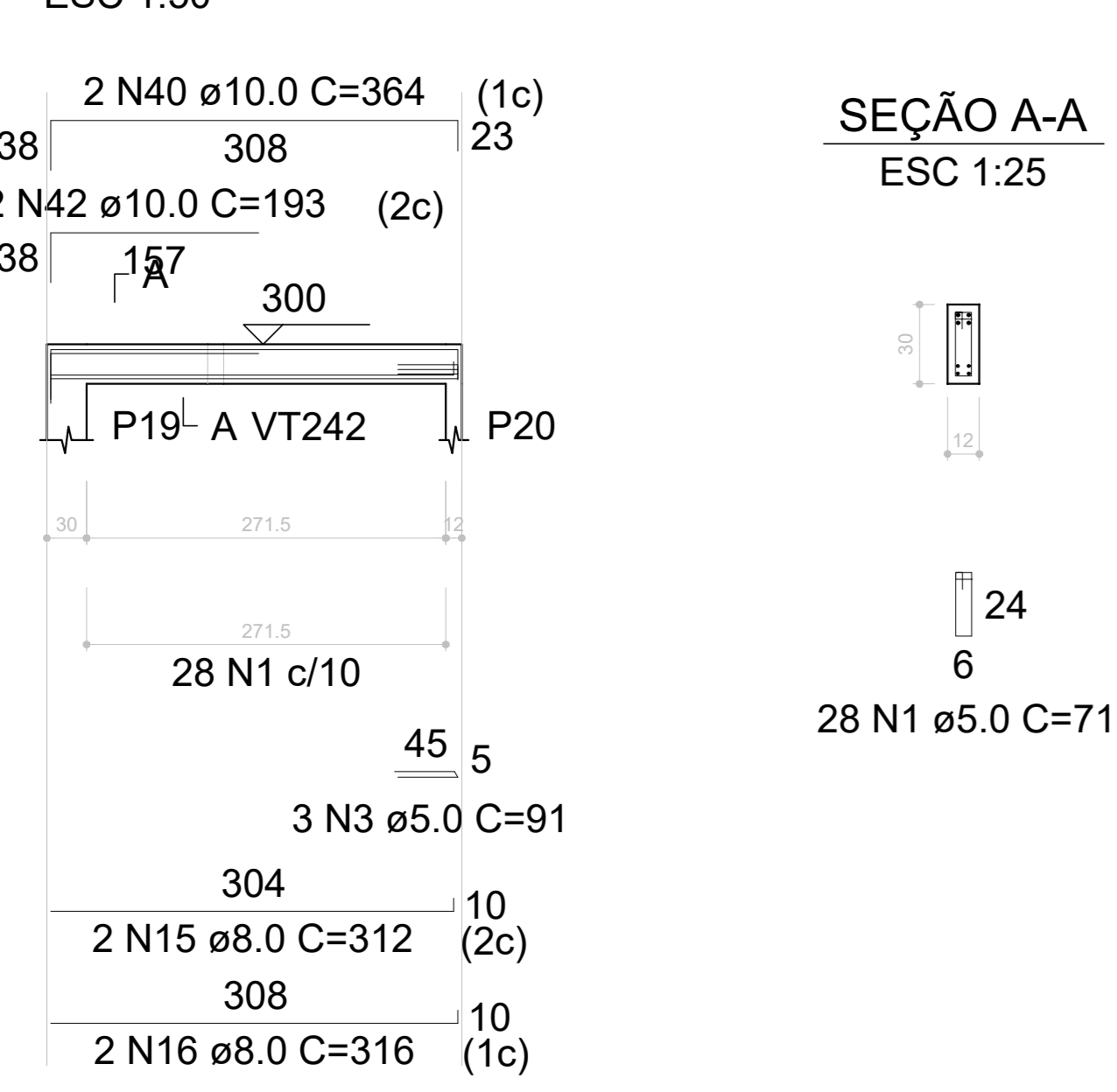
VT208 (12 x 30)



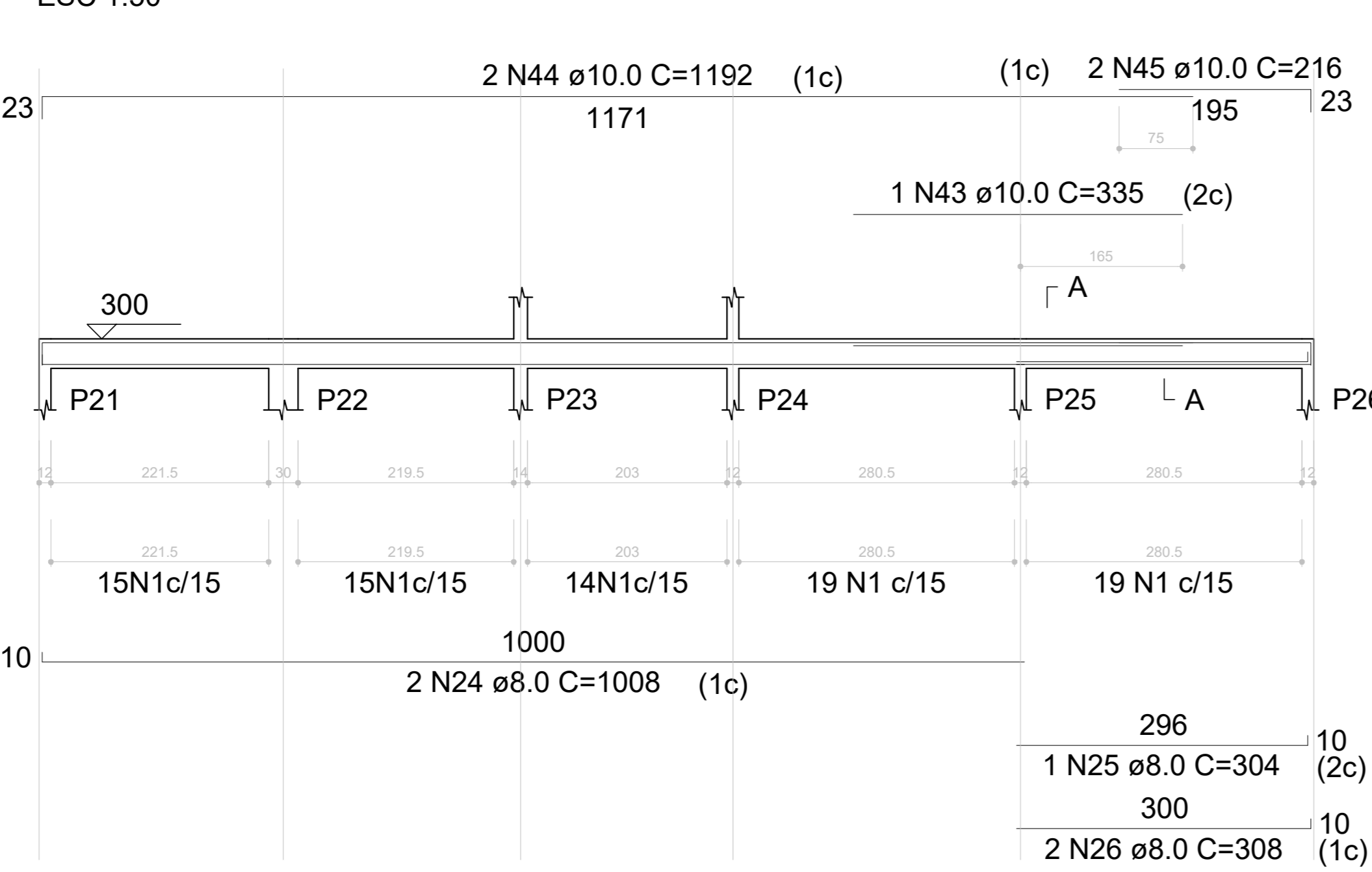
VT209 (12 x 30)



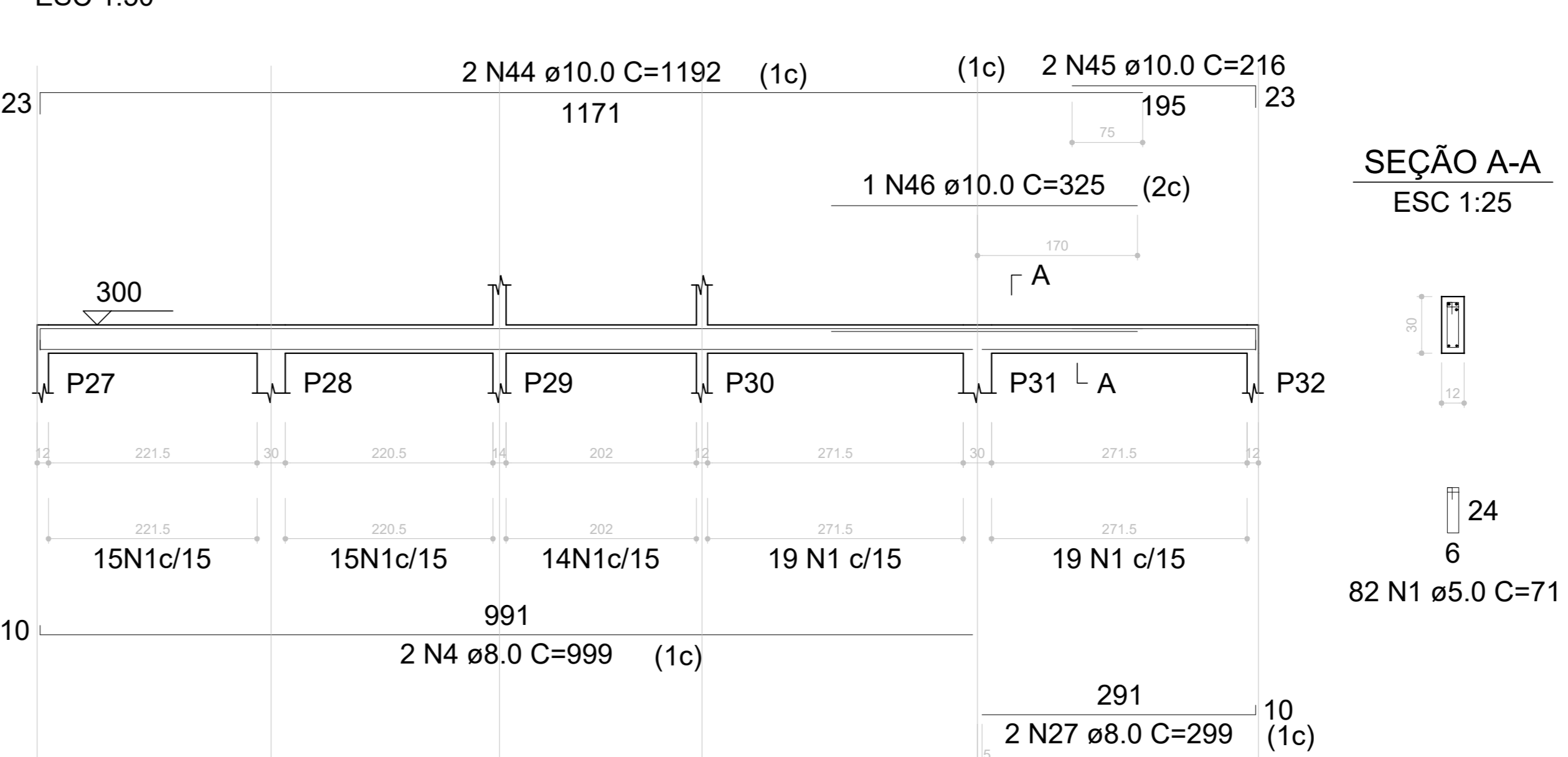
VT210 (12 x 30)



VT211 (12 x 30)



VT212 (12 x 30)

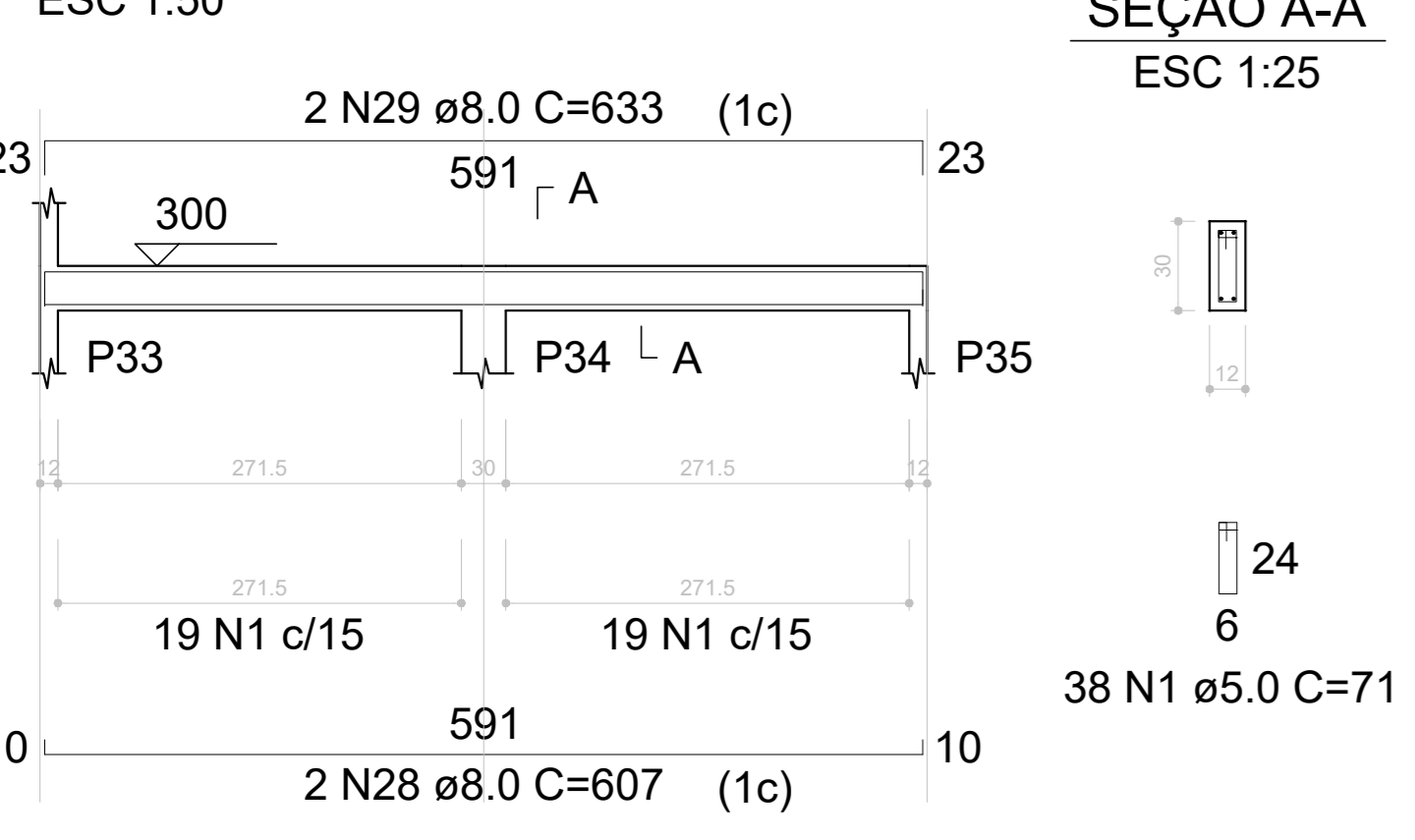


RESUMO DO AÇO

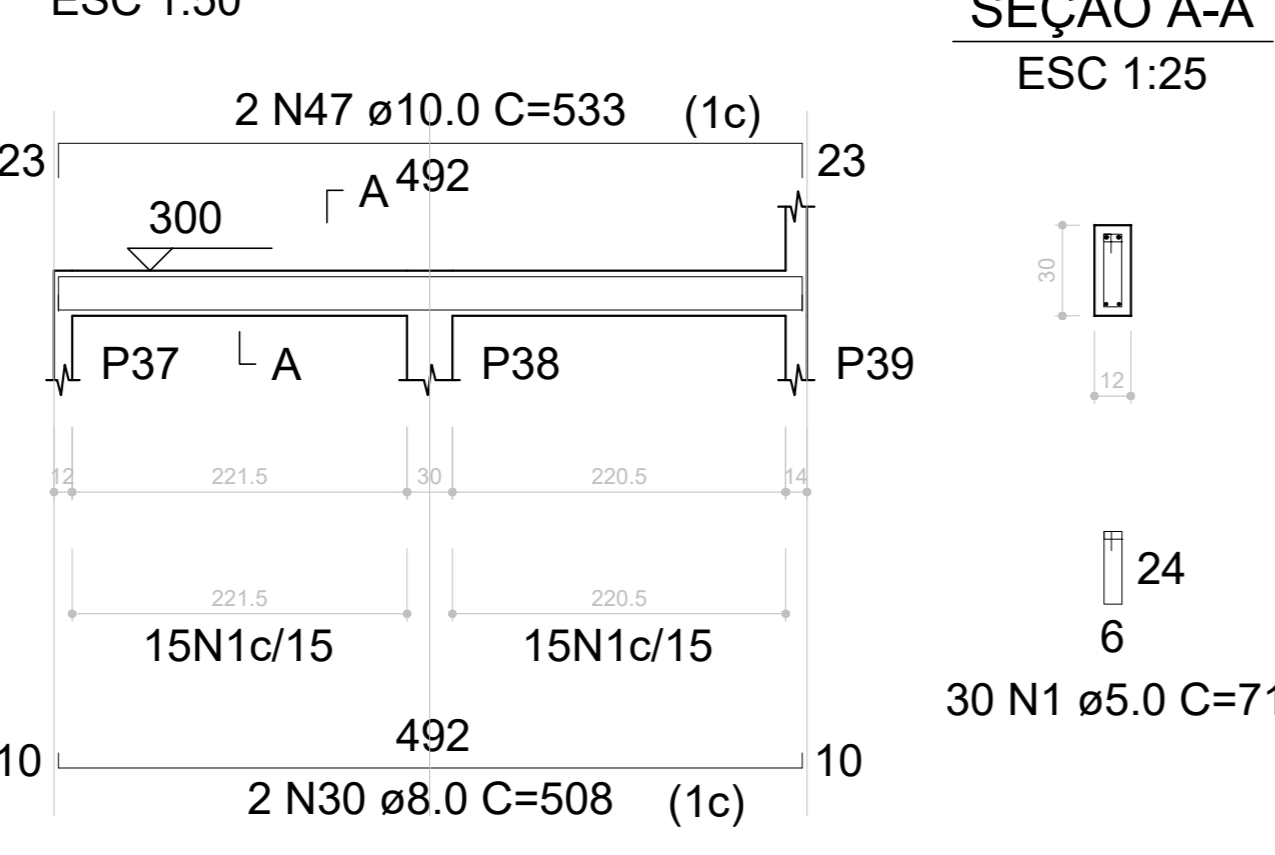
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	300.8	130.6
CA50	10.0	146.7	99.5
CA60	5.0	423.4	71.8
PESO TOTAL (kg)			
CA50		230	
CA60		71.8	

Volume de concreto (C-25) = 3.36 m³
Área de forma = 67.23 m²

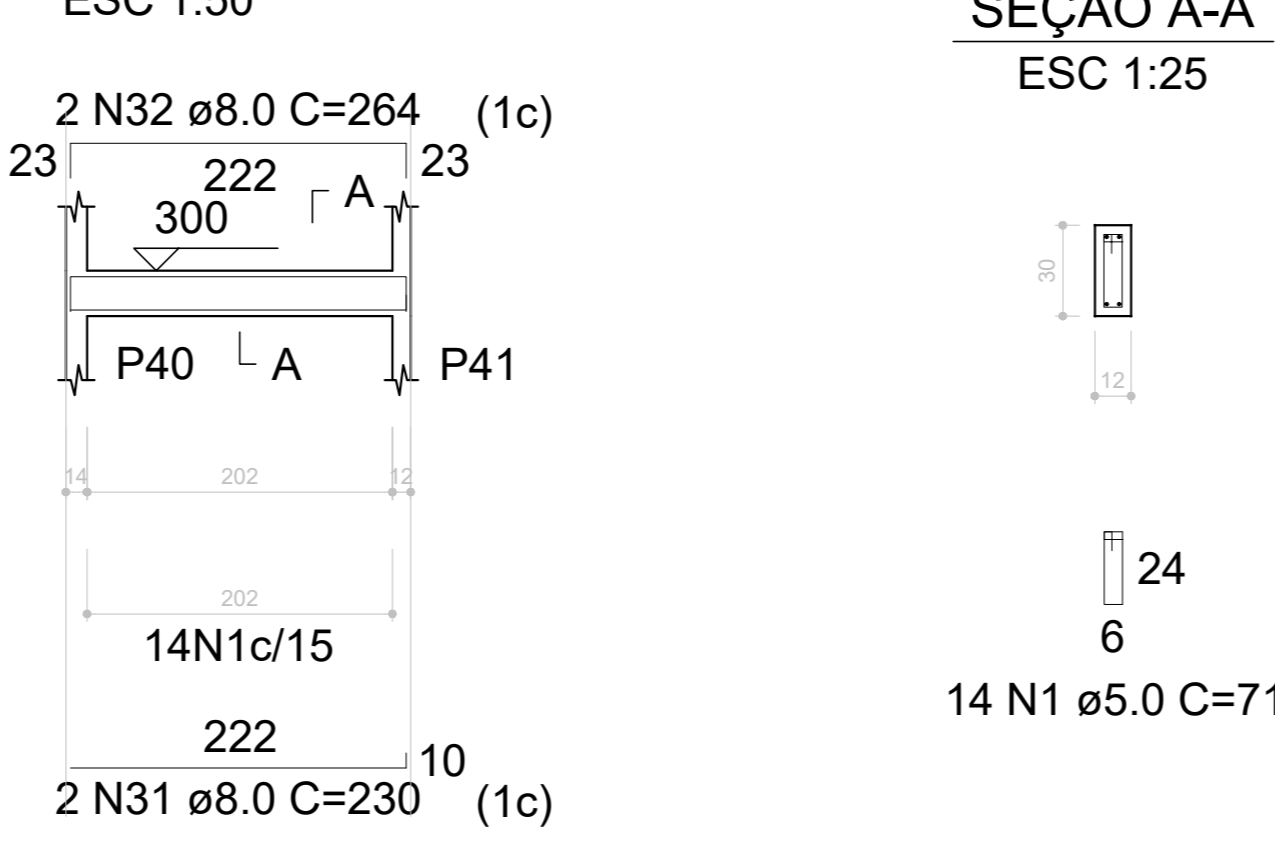
VT213 (12 x 30)



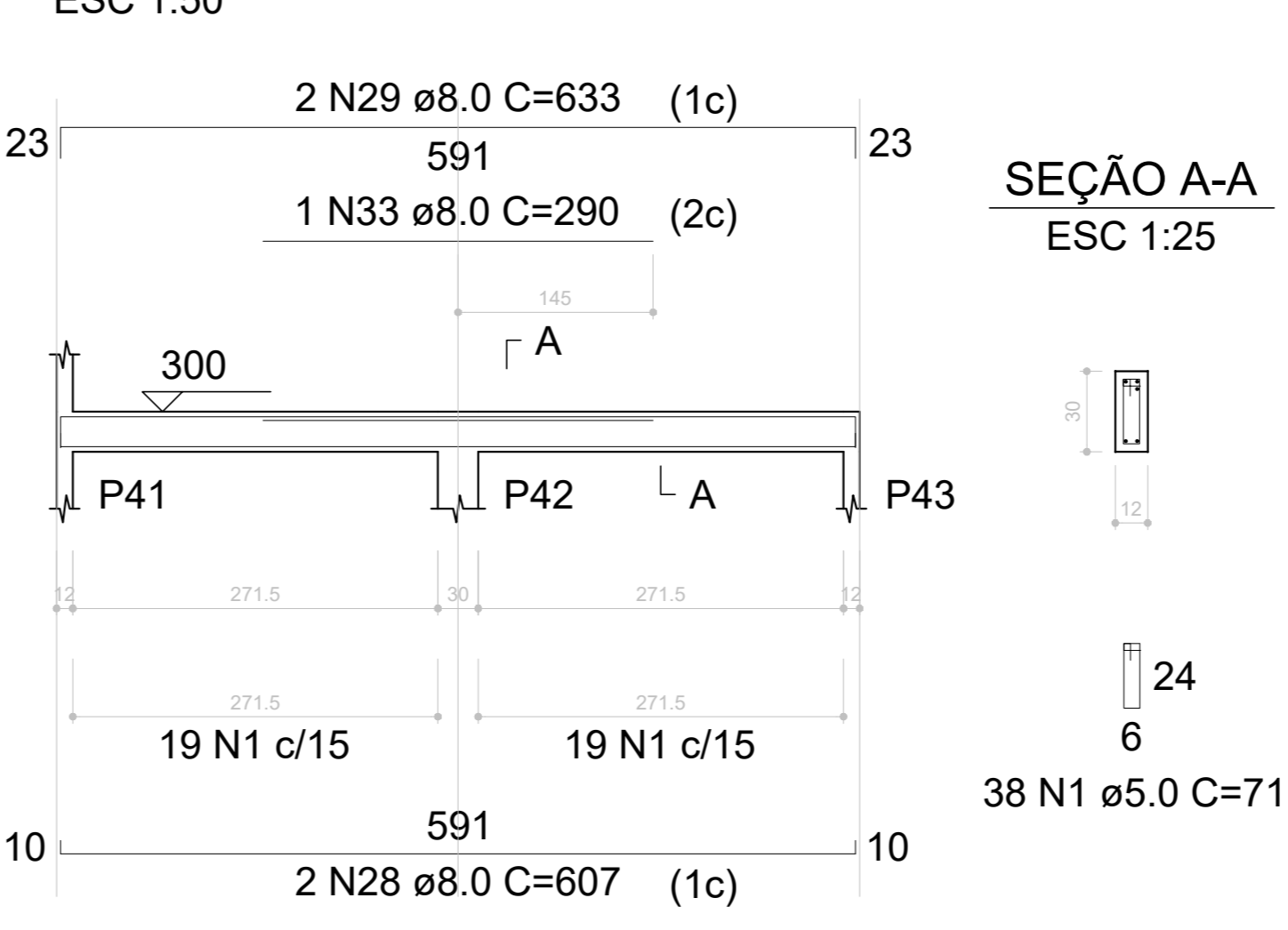
VT214 (12 x 30)



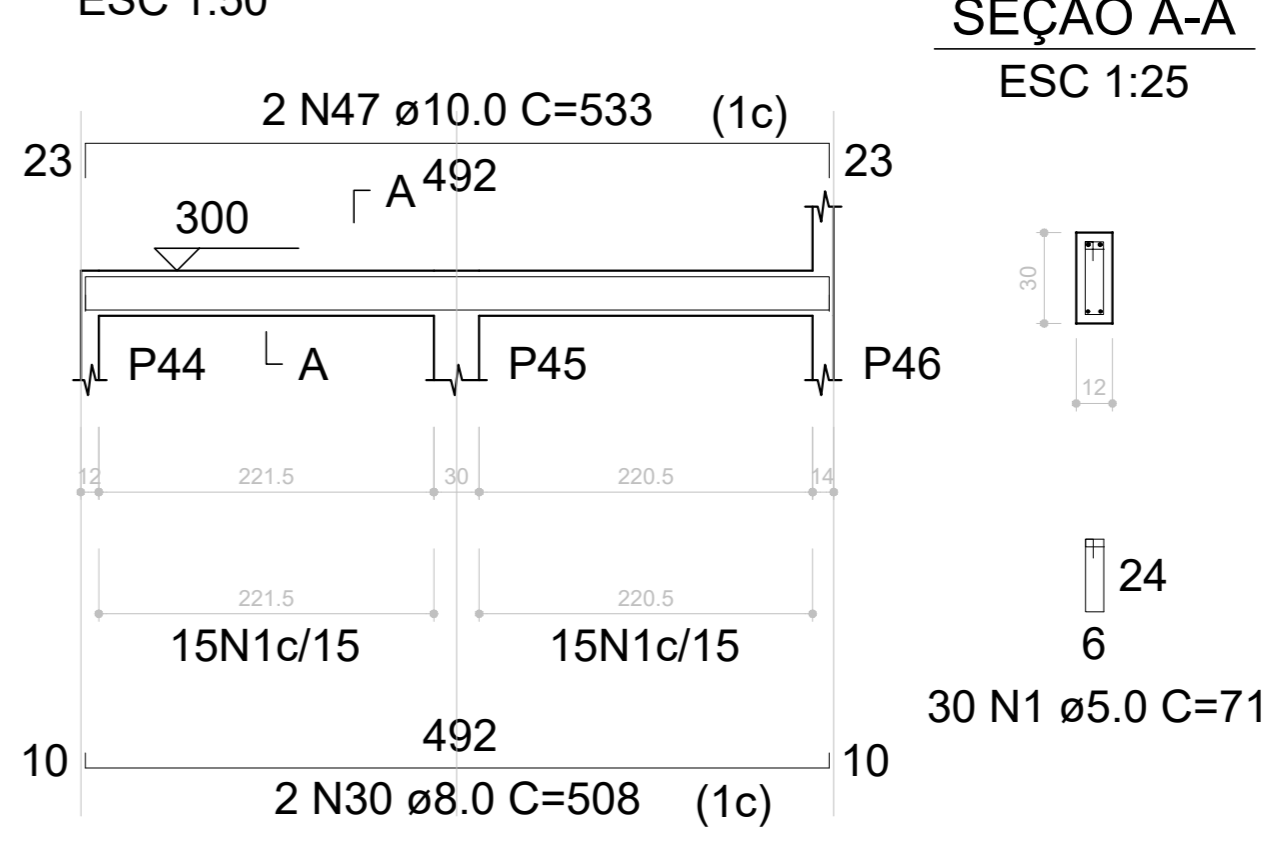
VT215 (12 x 30)



VT216 (12 x 30)



VT218 (12 x 30)



ESTRUTURAL

PREFEITURA LUZIÂNIA
UM NOVO TEMPO COM RESERVO E TRABALHO

SMDU
SECRETARIA MUNICIPAL DE SAÚDE

OBRA: CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIÂNIA-GO
ENDEREÇO: R. JOÃO GONÇALVES, QD. DRM. LT. 01, SETOR FUMAL, LUZIÂNIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIÂNIA

AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

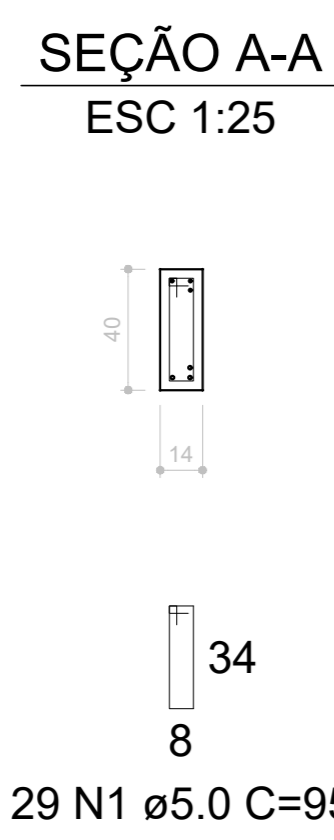
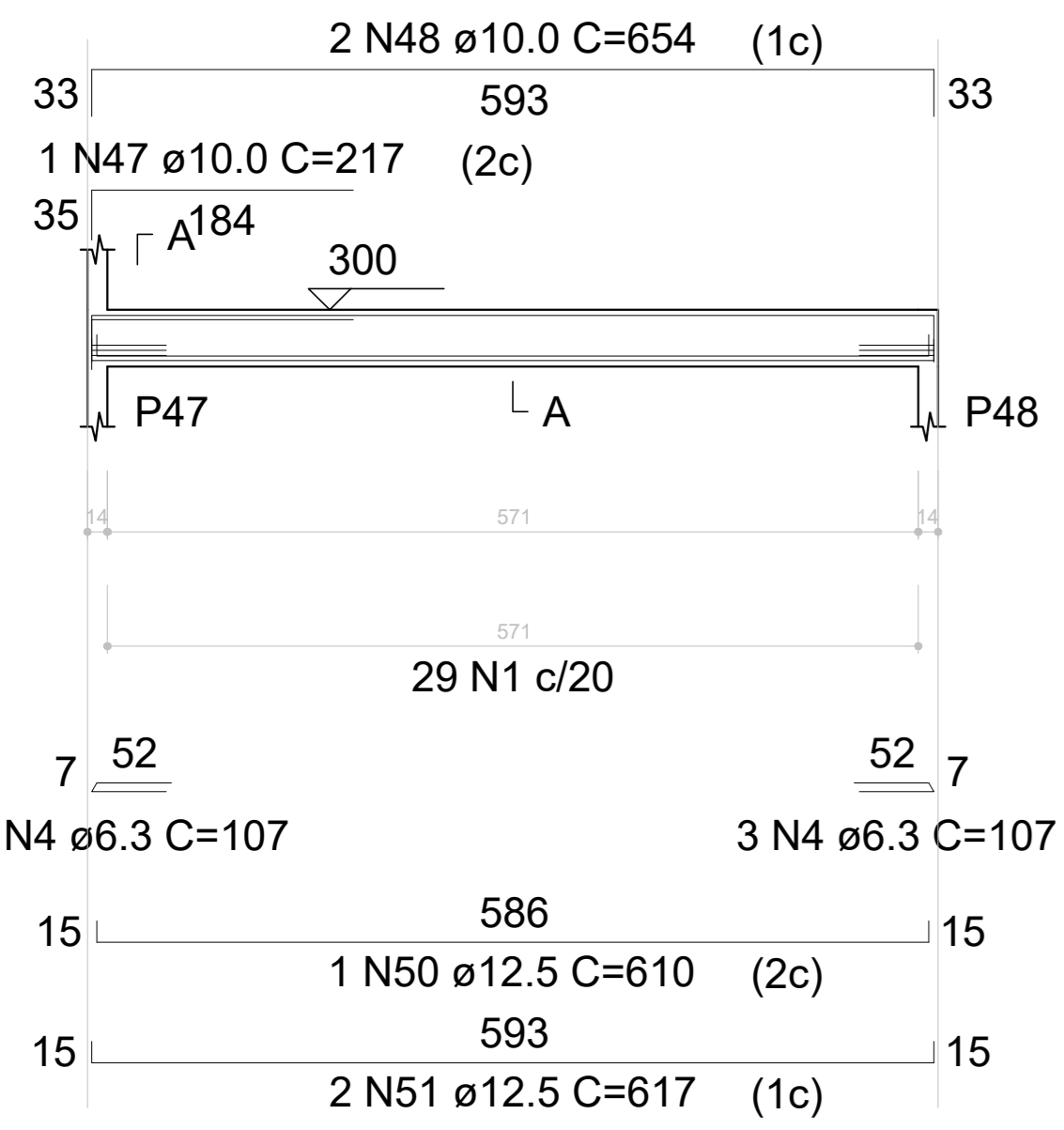
DIRITOS AUTORES DESTA PROPOSTA PERTENCEM AOS PROFISSIONAIS ACIMA CITADOS. É PROIBIDA A SUA REPRODUÇÃO, MODIFICAÇÃO E/OU ALTERAÇÃO CONFORME LEI 5.988 ART. 25.

FISCALIZAÇÃO E LICENÇA:	CREA/CAU:
OUTROS:	

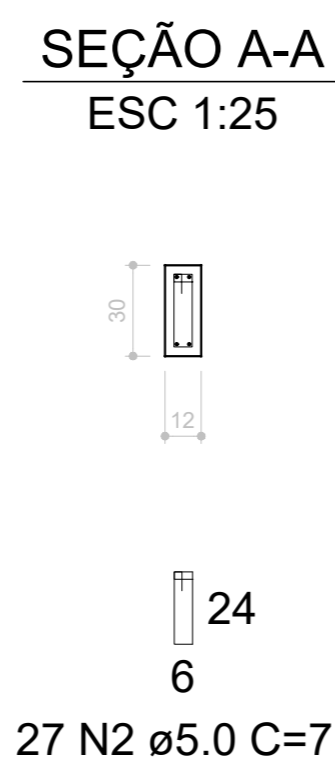
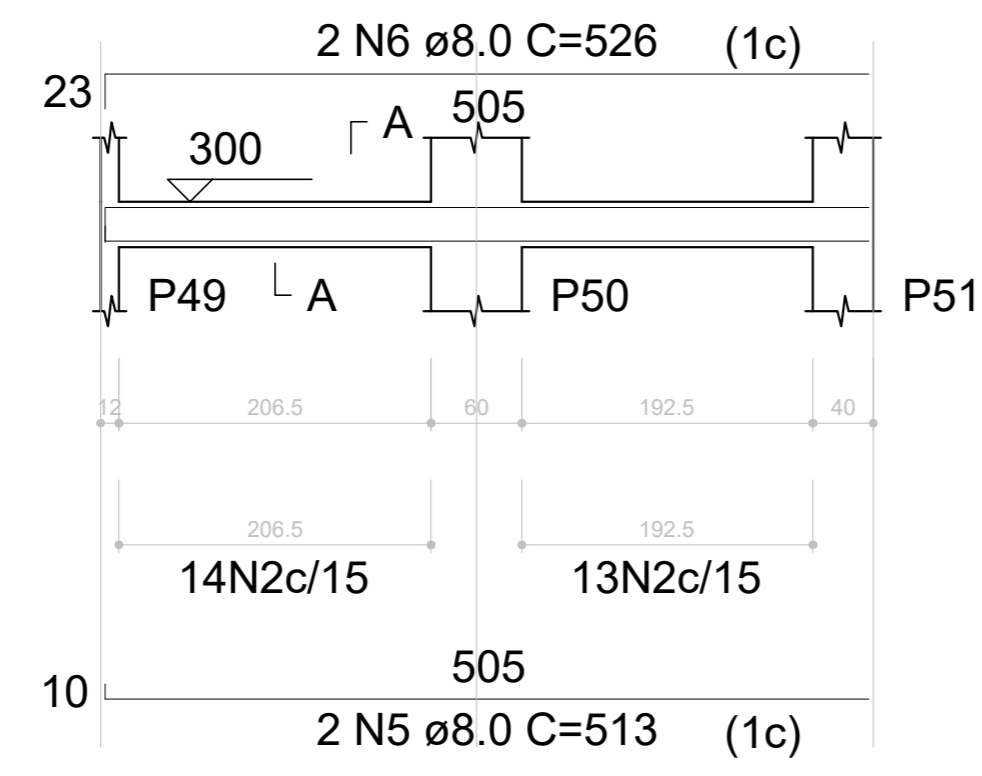
FOLHA: 5/6 **CONTEÚDO:** ESTRUTURAL VIGAS **ÁREA:** INDICADA EM QUADRO

DATA: 02/2023 **DESENHO:** ISABELLE MORAES **ESCALA:** INDICADA **UNIDADE:** METROS

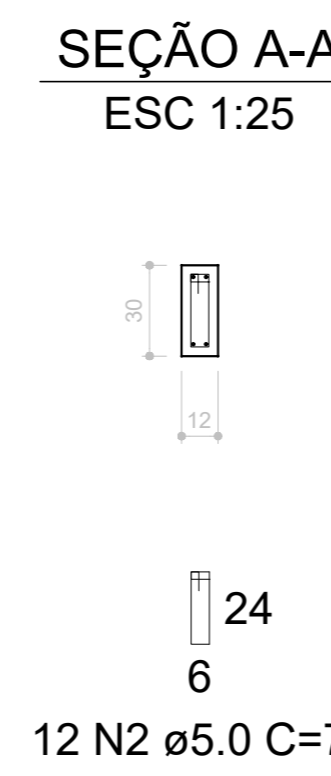
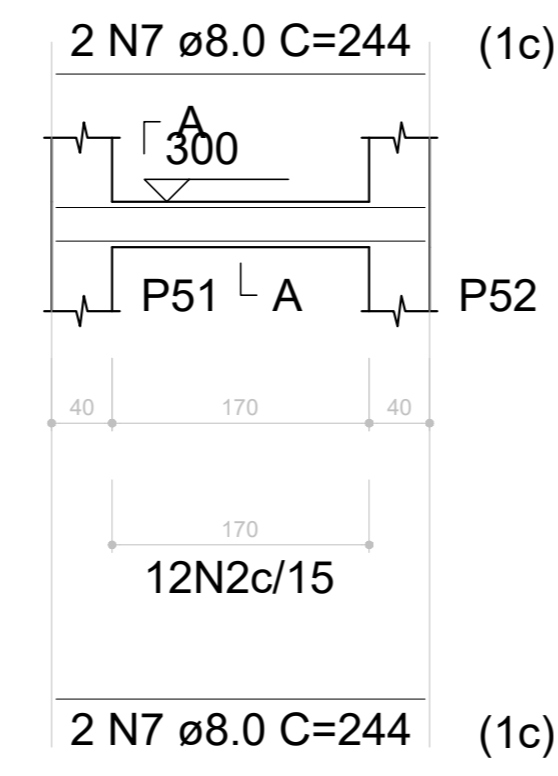
VT217 (14 x 40)
ESC 1:50



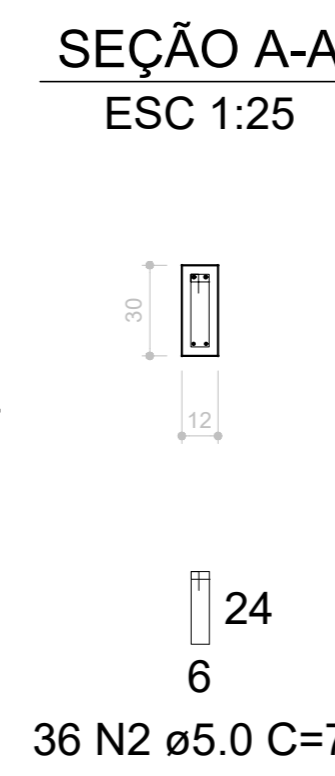
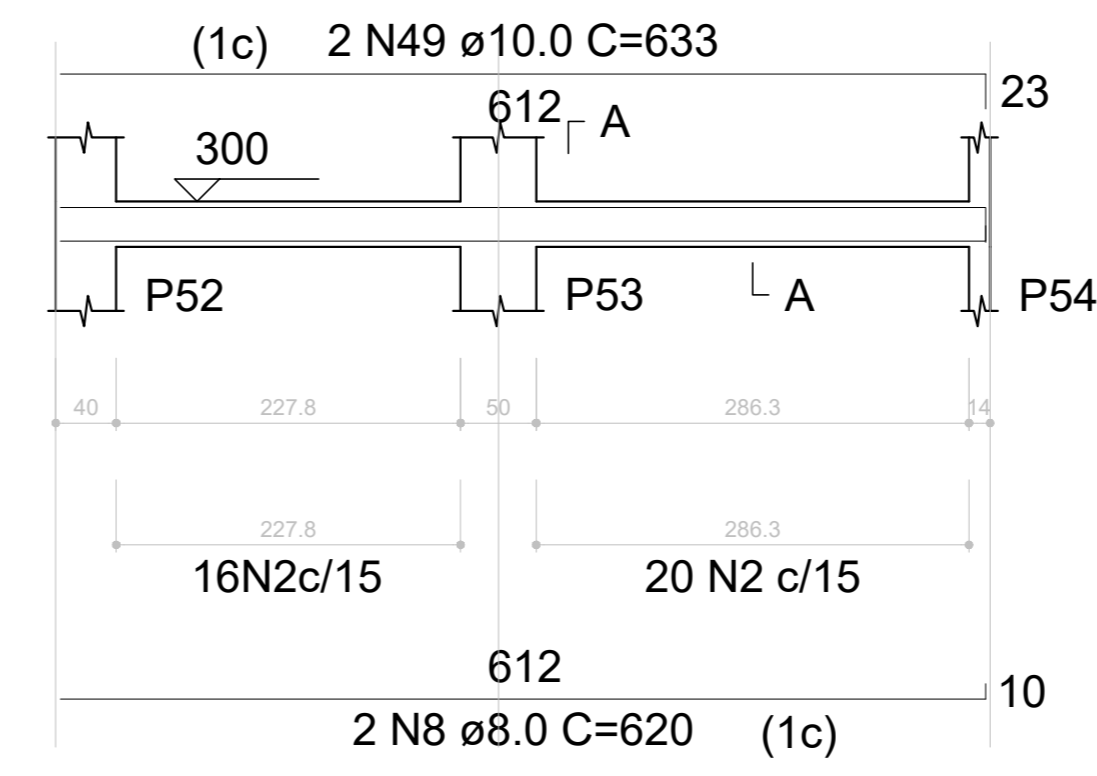
VT219 (12 x 30)
ESC 1:50



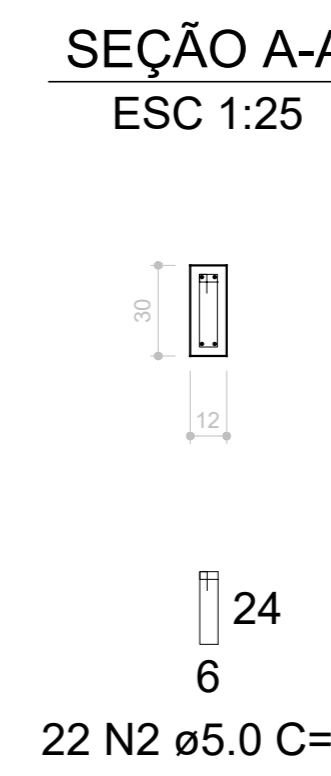
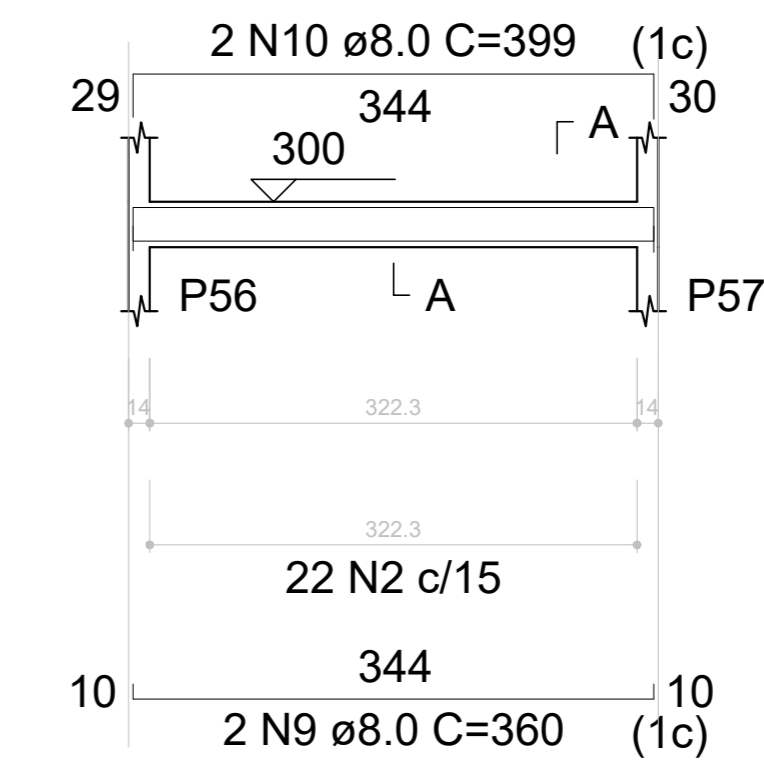
VT220 (12 x 30)
ESC 1:50



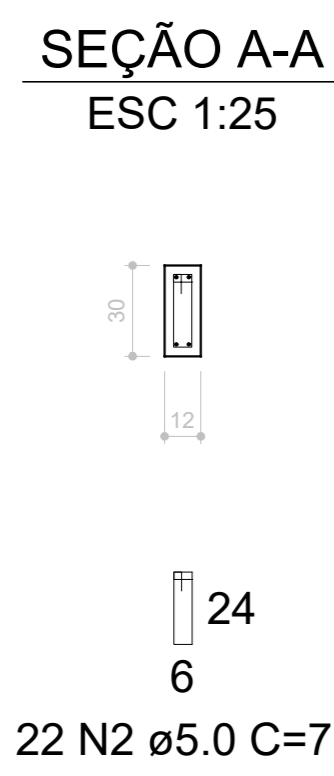
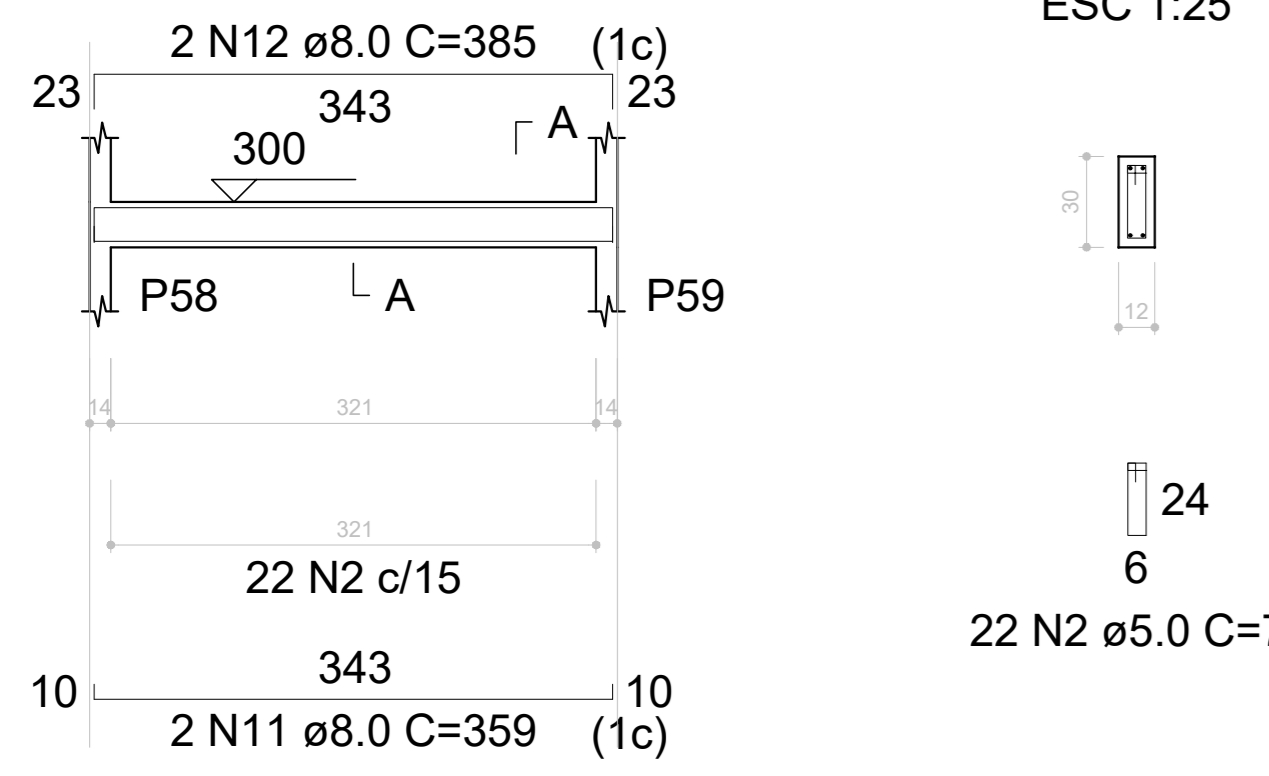
VT221 (12 x 30)
ESC 1:50



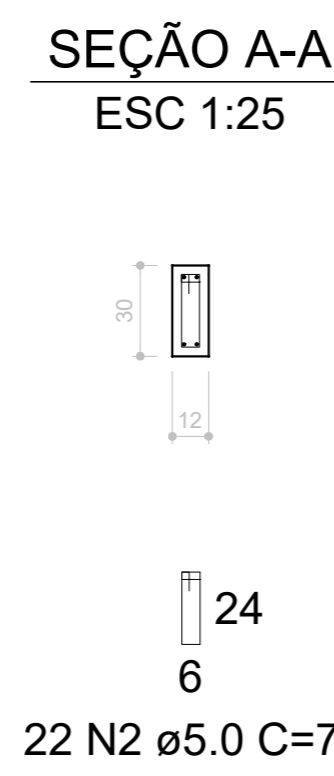
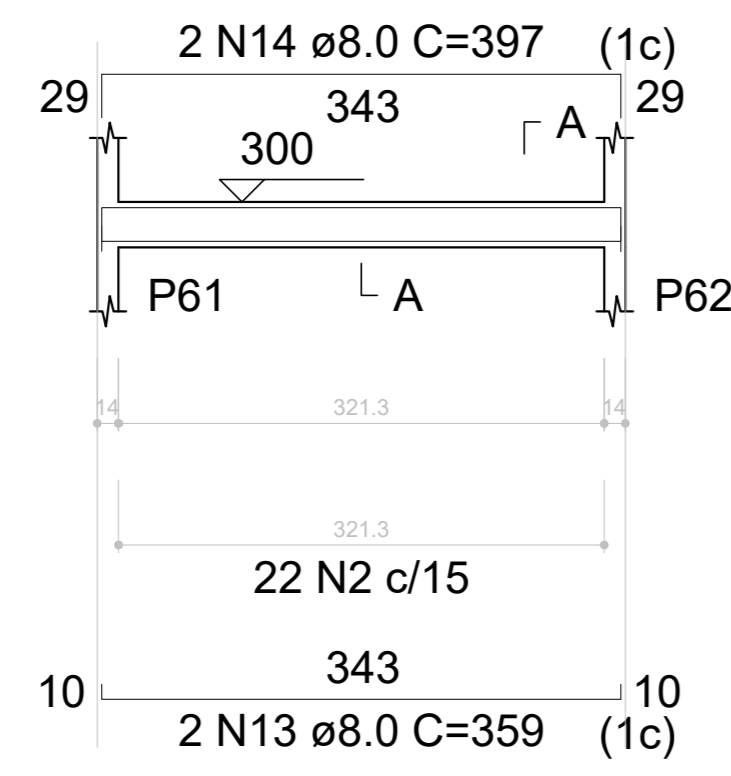
VT222 (12 x 30)
ESC 1:50



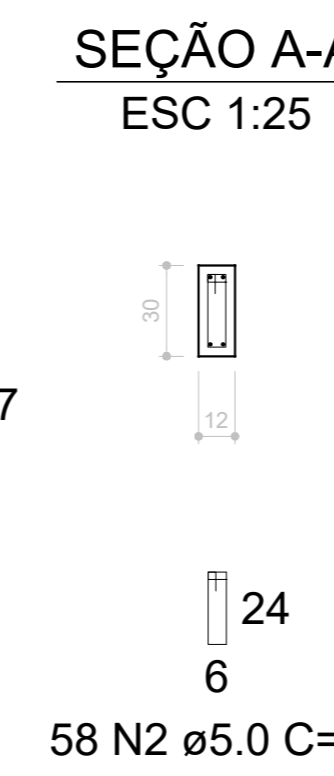
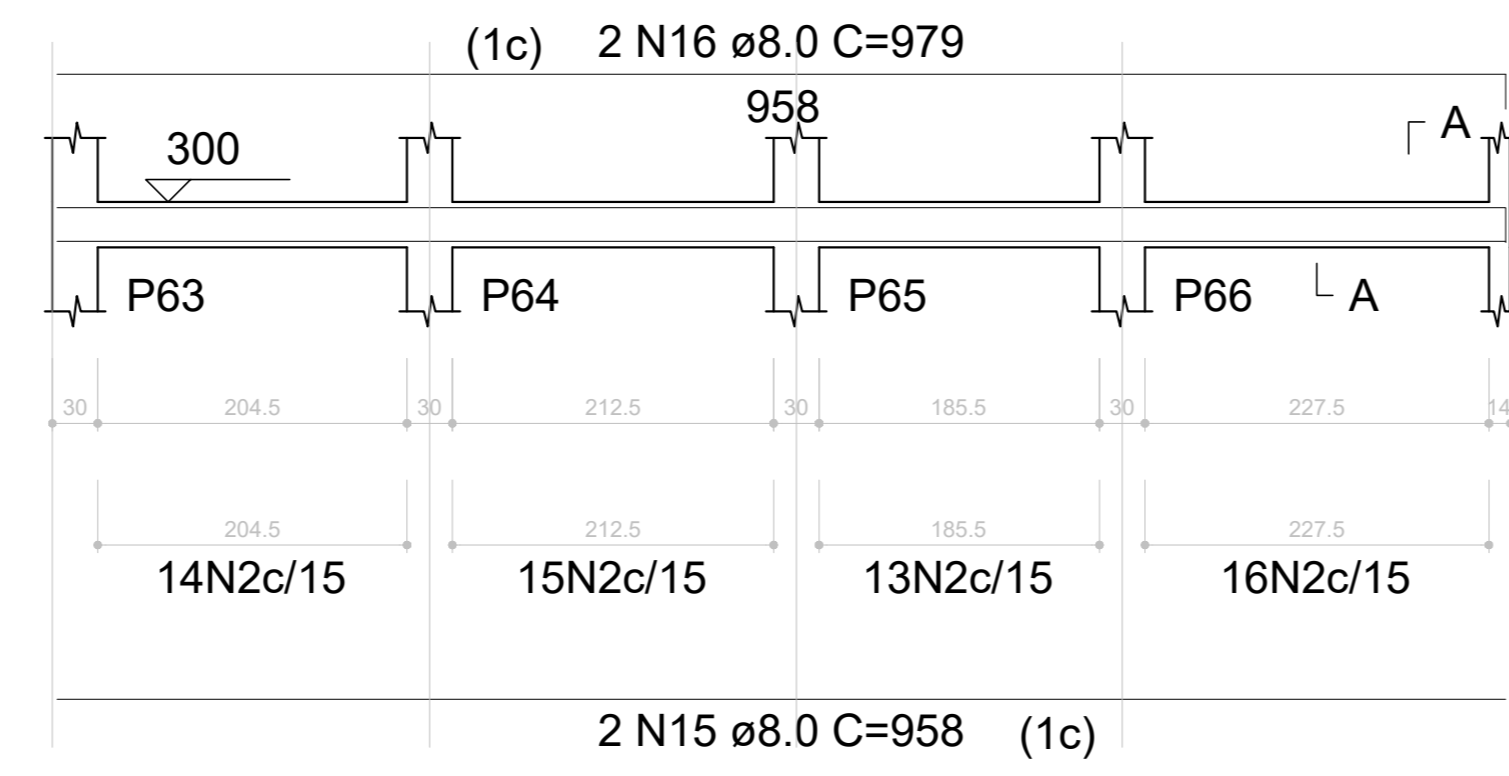
VT223 (12 x 30)
ESC 1:50



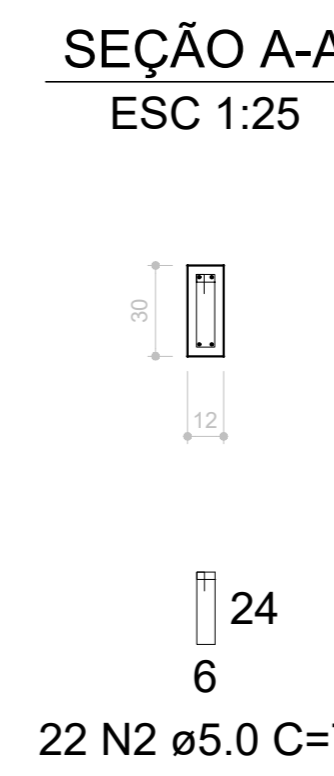
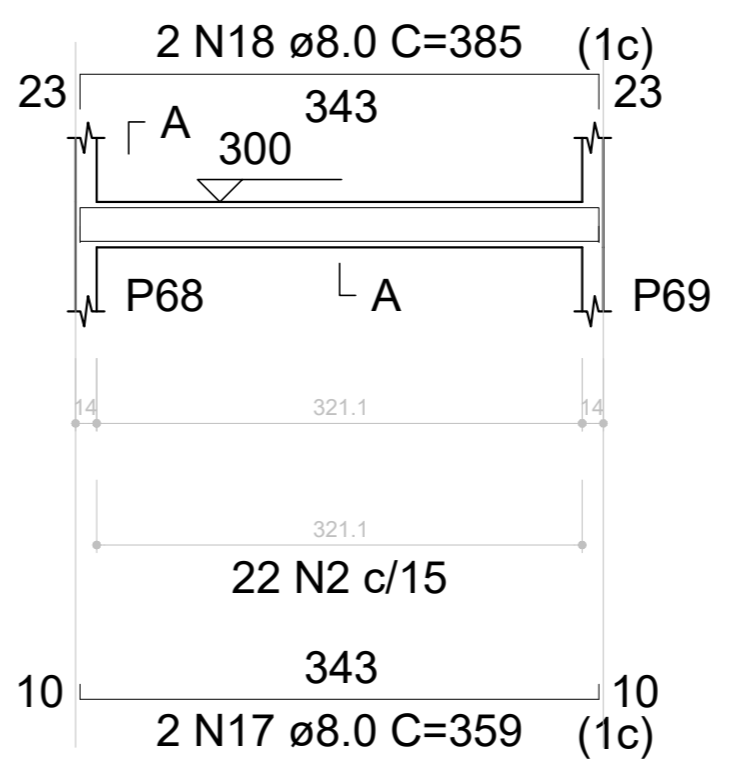
VT224 (12 x 30)
ESC 1:50



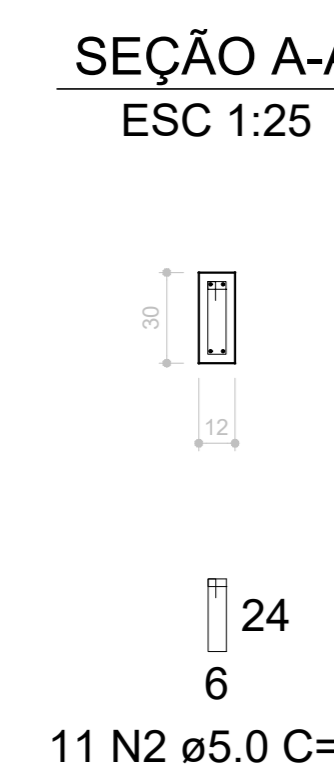
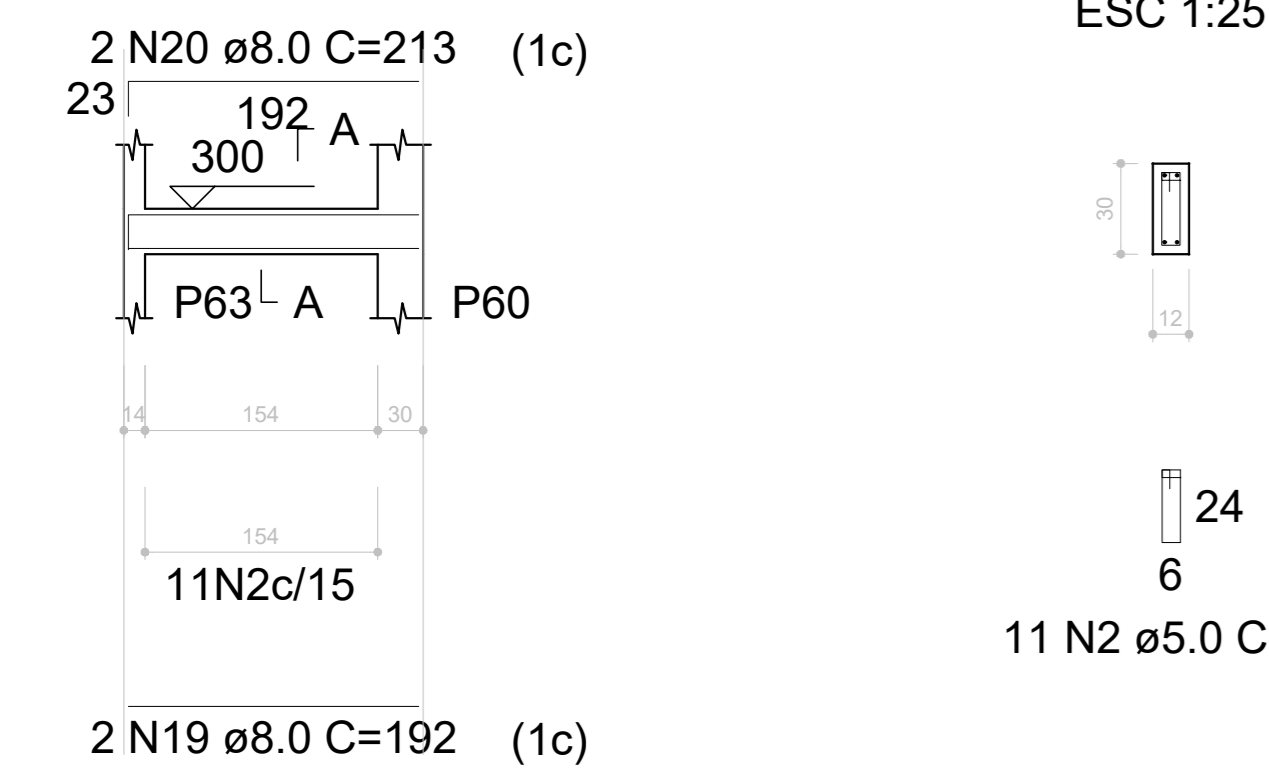
VT225 (12 x 30)
ESC 1:50



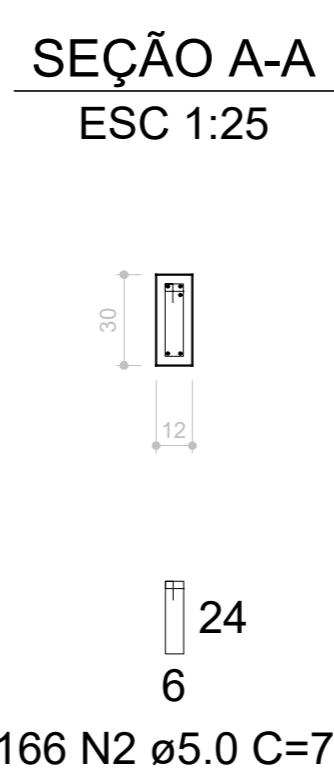
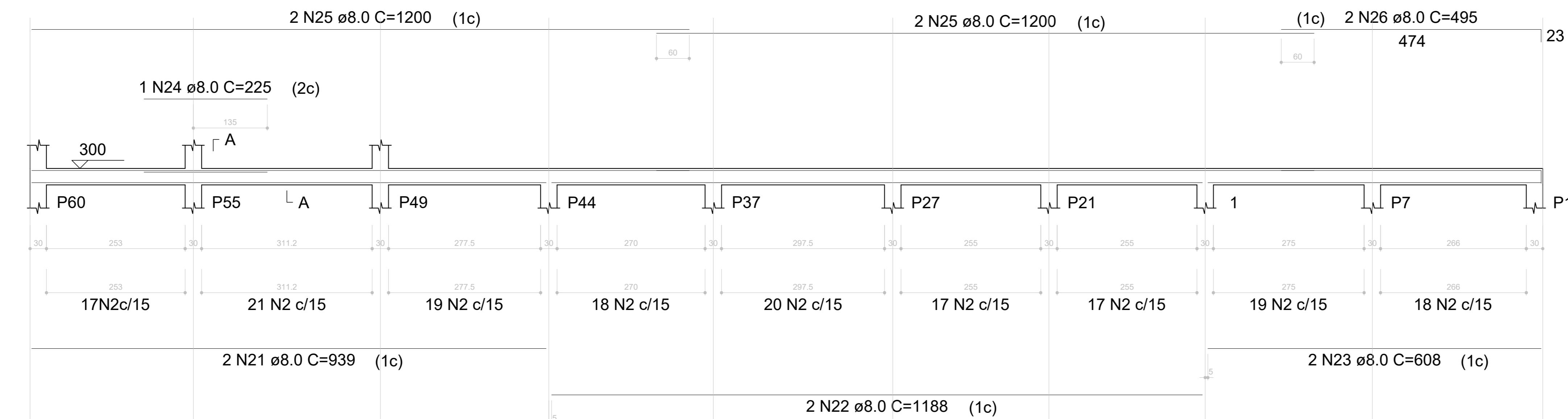
VT226 (12 x 30)
ESC 1:50



VT227 (12 x 30)
ESC 1:50

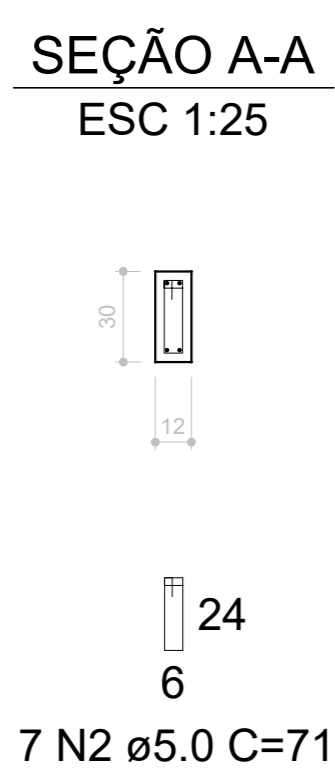
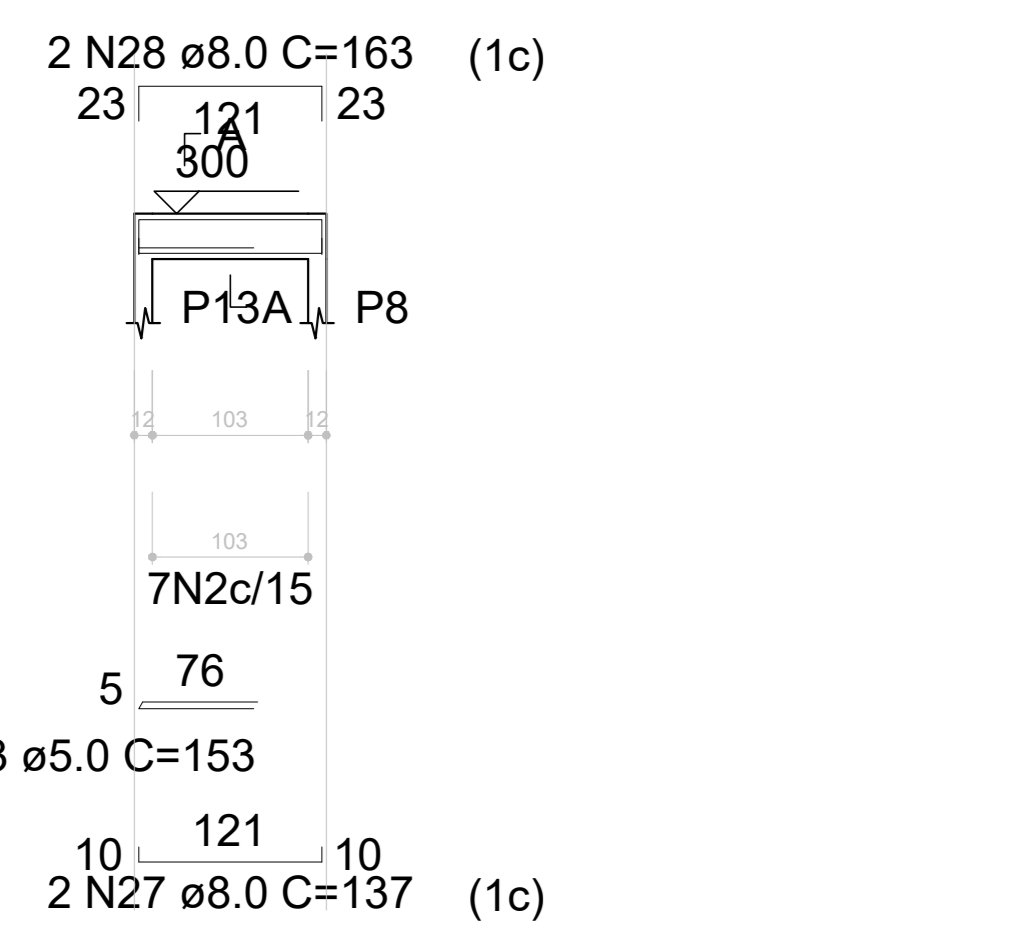


VT228 (12 x 30)
ESC 1:50

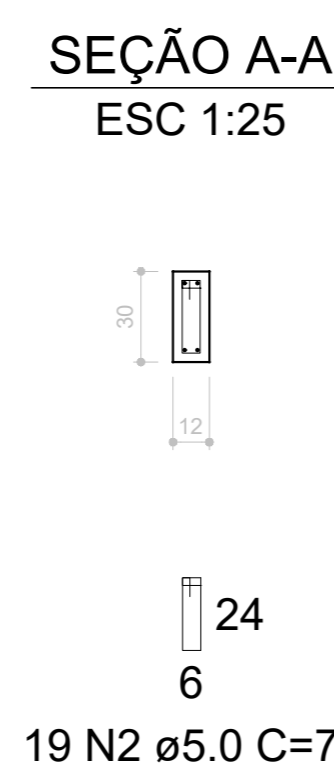
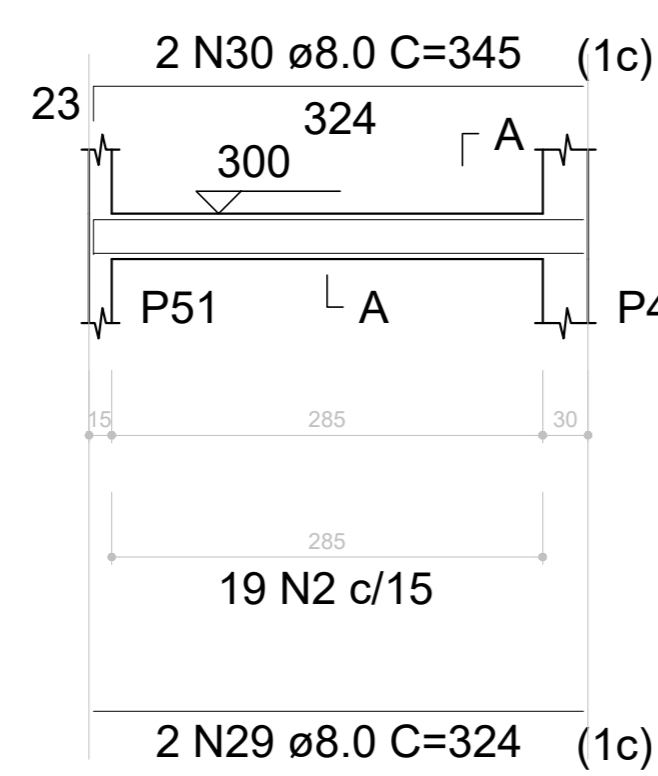


Volume de concreto (C-25) = 4.18 m³
Área de forma = 81.46 m²

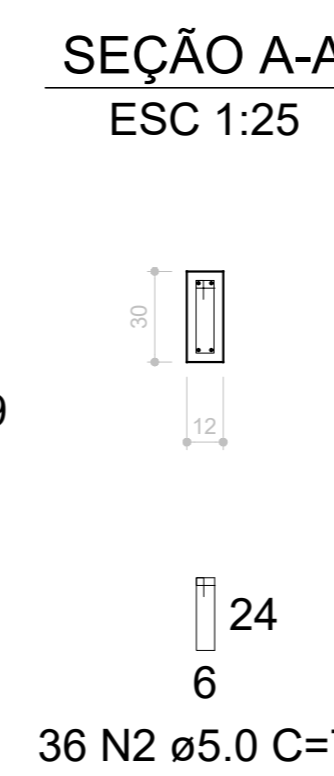
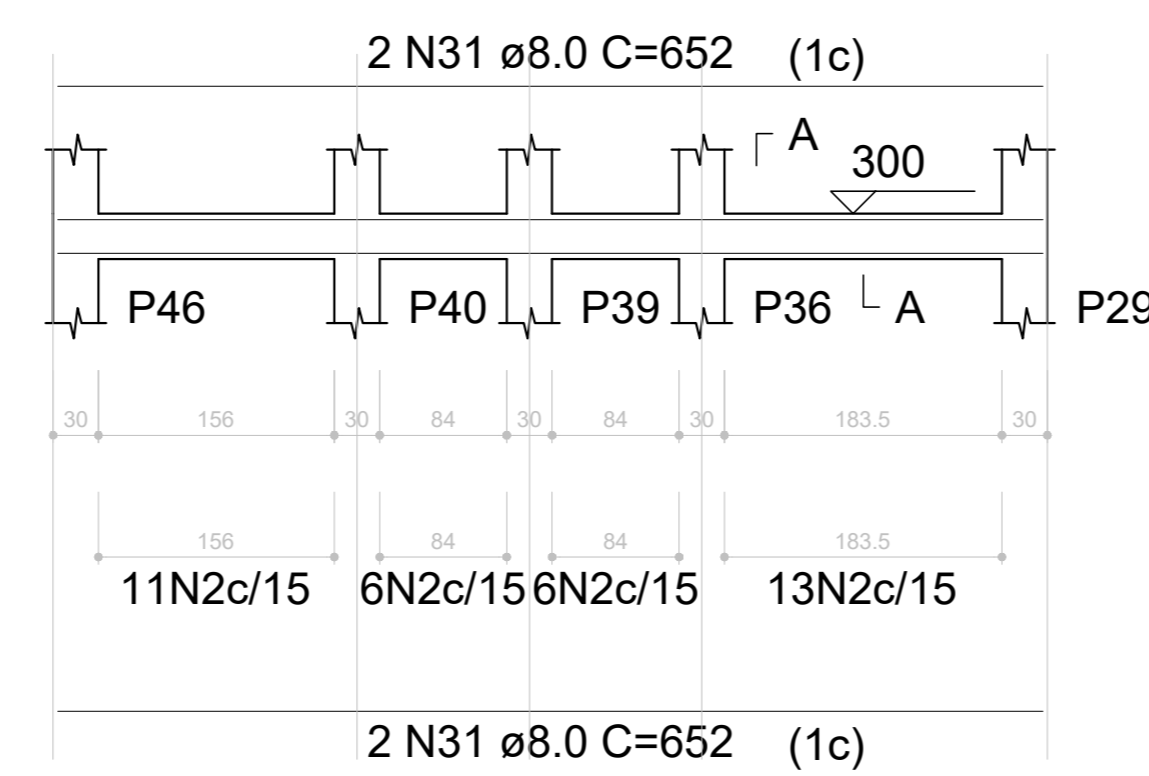
VT229 (12 x 30)
ESC 1:50



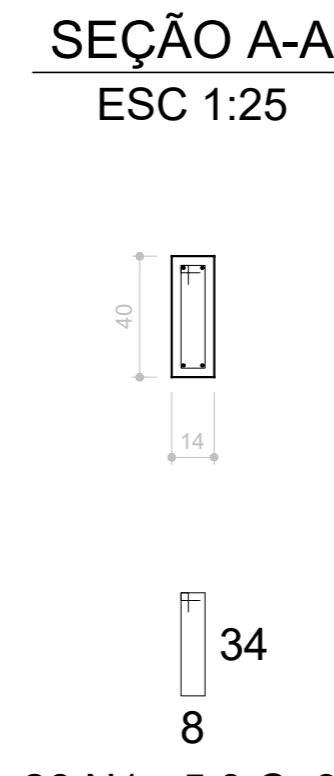
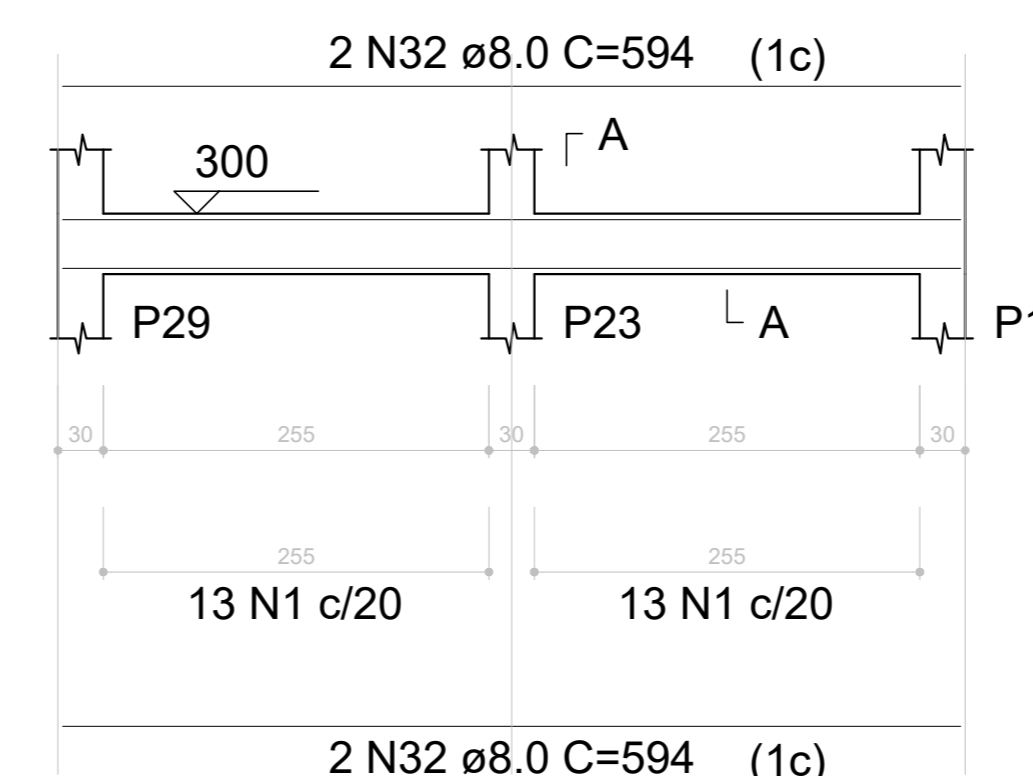
VT230 (12 x 30)
ESC 1:50



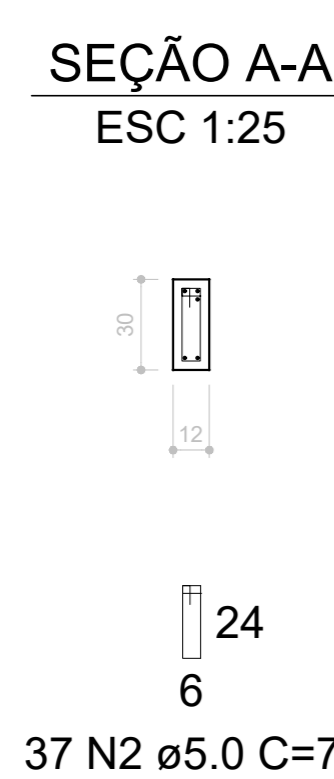
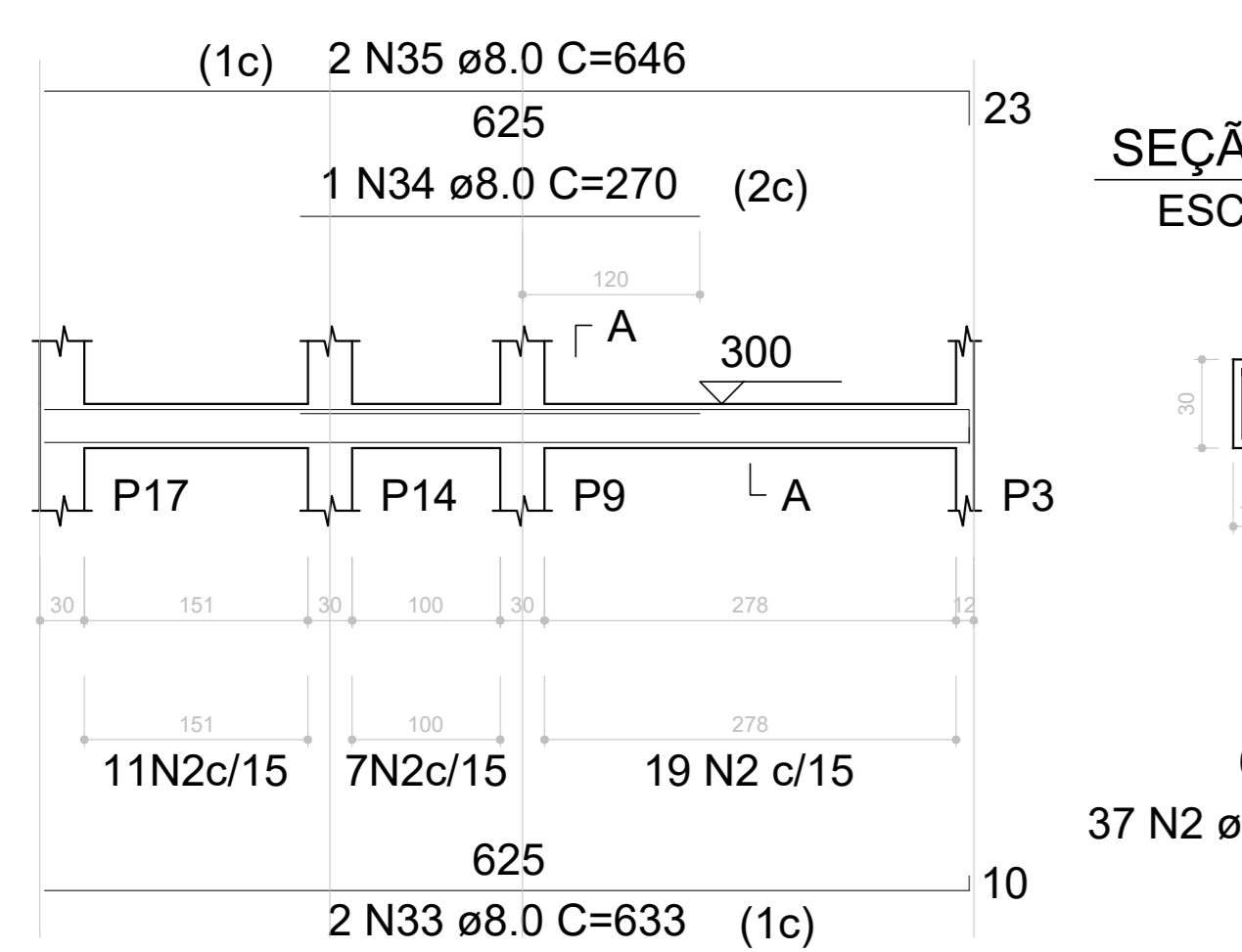
VT231 (12 x 30)
ESC 1:50



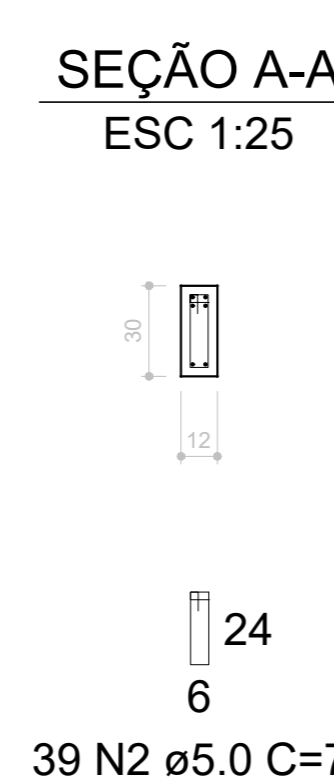
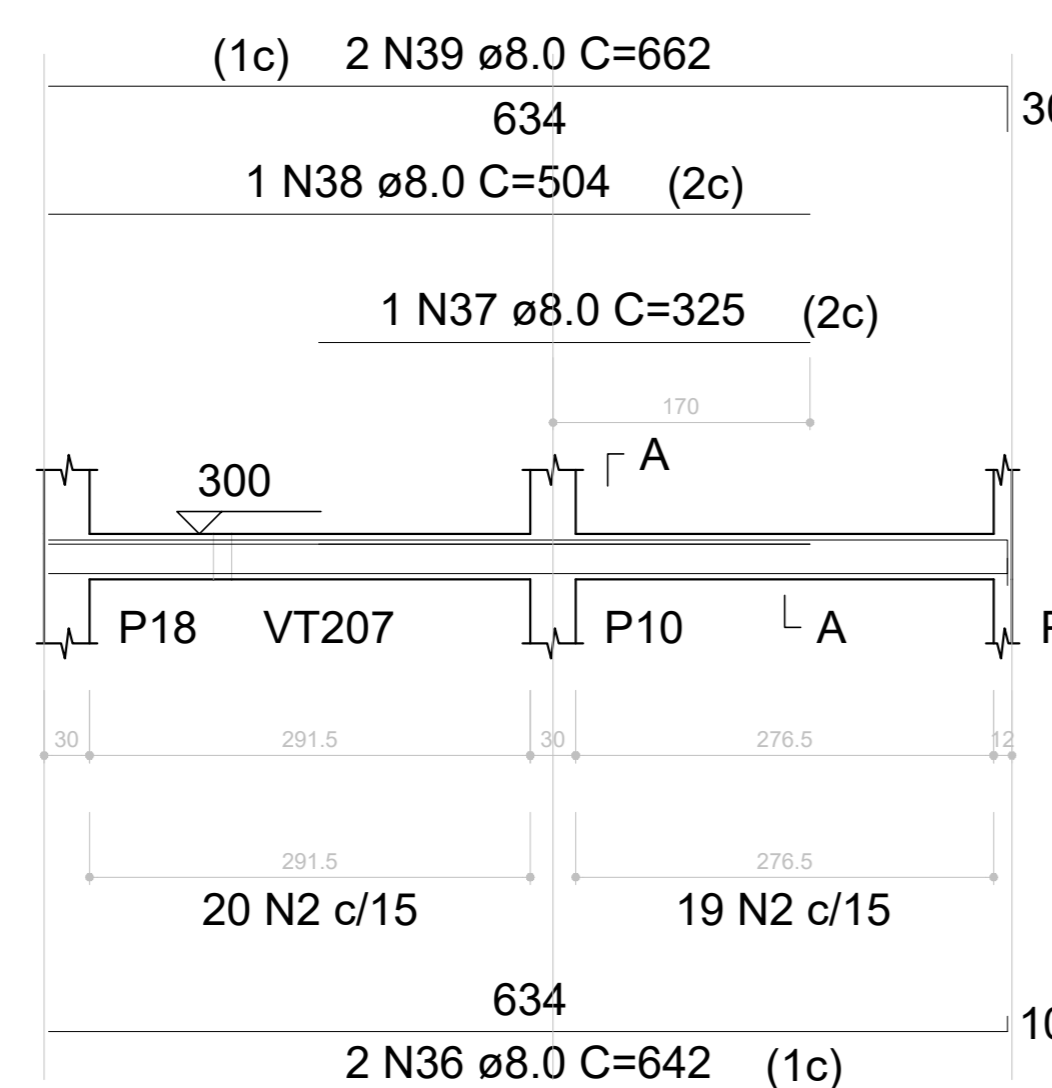
VT232 (14 x 40)
ESC 1:50



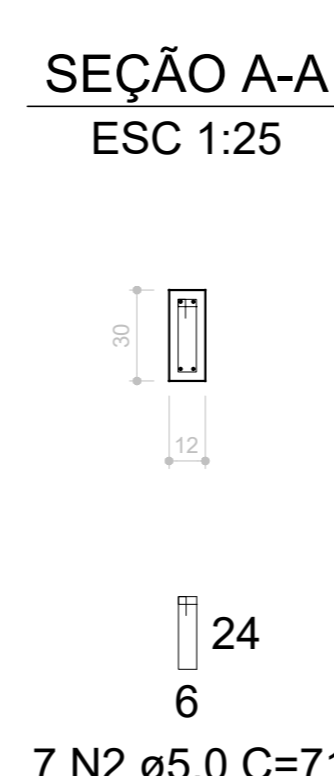
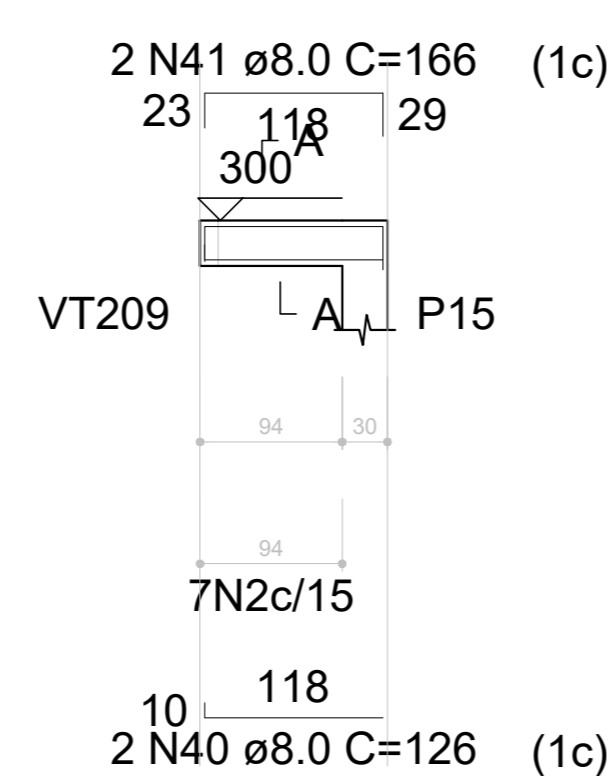
VT233 (12 x 30)
ESC 1:50



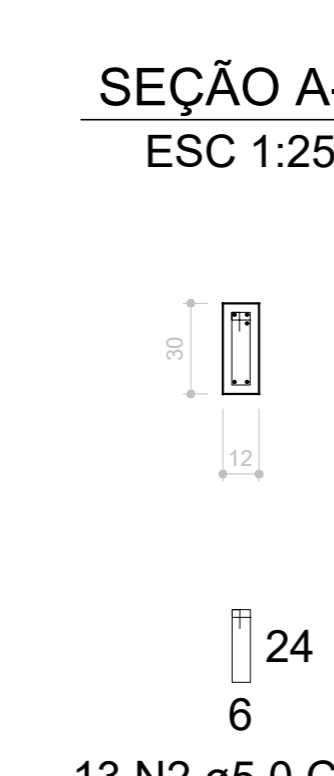
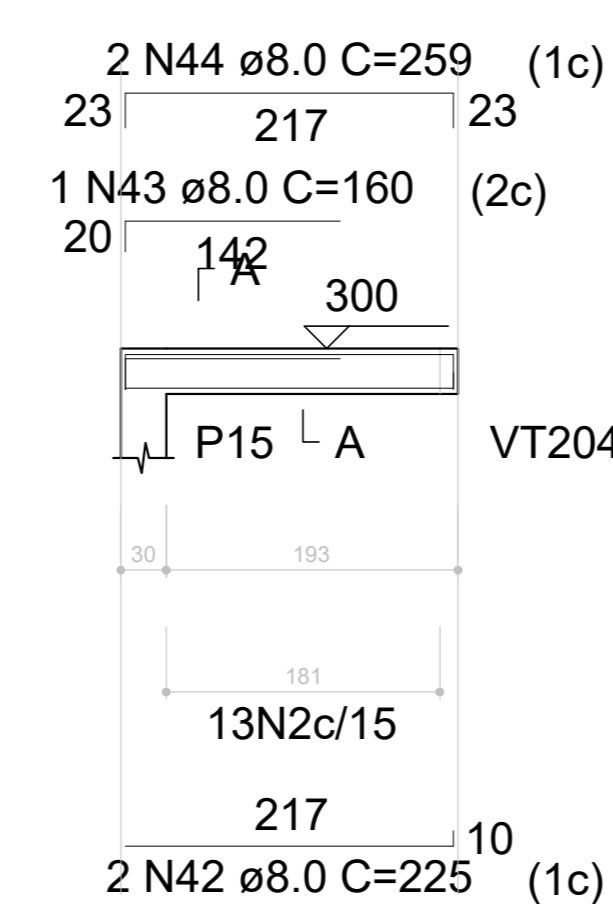
VT235 (12 x 30)
ESC 1:50



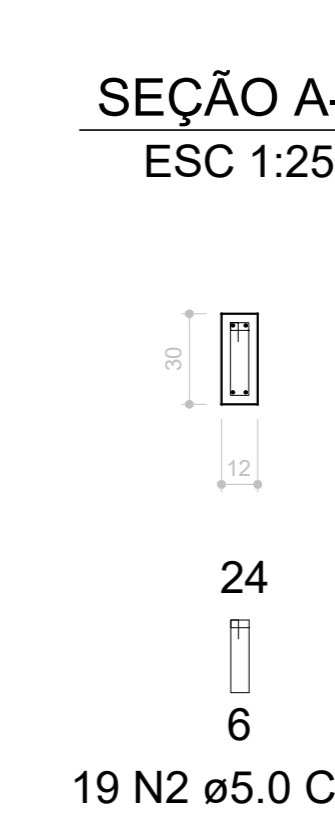
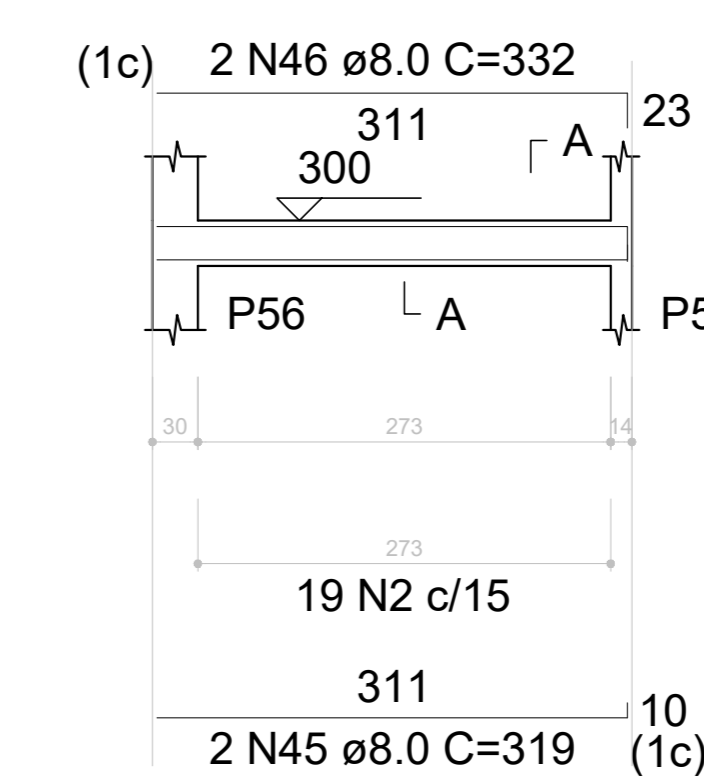
VT236 (12 x 30)
ESC 1:50



VT237 (12 x 30)
ESC 1:50



VT239 (12 x 30)
ESC 1:50



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VT217					
VT221					
VT224					
VT227					
VT230					
VT233					
VT237					
VT219					
VT222					
VT225					
VT228					
VT231					
VT235					
VT239					
VT220					
VT223					
VT226					
VT229					
VT232					
VT236					
CA60	1	5.0	55	95	5225
	2	5.0	575	71	40825
	3	5.0	1	153	153
CA50	4	6.3	6	107	642
	5	8.0	2	513	1026
	6	8.0	2	526	1052
	7	8.0	4	244	976
	8	8.0	2	620	1240
	9	8.0	2	360	720
	10	8.0	2	399	798
	11	8.0	2	359	718
	12	8.0	2	385	770
	13	8.0	2	359	718
	14	8.0	2	397	794
	15	8.0	2	958	1916
	16	8.0	2	979	1958
	17	8.0	2	359	718
	18	8.0	2	385	770
	19	8.0	2	192	384
	20	8.0	2	213	426
	21	8.0	2	939	1878
	22	8.0	2	1188	2376
	23	8.0	2	608	1216
	24	8.0	1	225	225
	25	8.0	4	1200	4800
	26	8.0	2	495	990
	27	8.0	2	137	274
	28	8.0	2	163	326
	29	8.0	2	324	648
	30	8.0	2	345	690
	31	8.0	4	652	2608
	32	8.0	4	594	2376
	33	8.0	2	633	1266
	34	8.0	1	270	270
	35	8.0	2	646	1292
	36	8.0	2	642	1284
	37	8.0	1	325	325
	38	8.0	1	504	504
	39	8.0	2	662	1324
	40	8.0	2	126	252
	41	8.0	2	166	332
	42	8.0	2	225	450
	43	8.0	1	160	160
	44	8.0	2	259	518
	45	8.0	2	319	638
	46	8.0	2	332	664
	47	10.0	1	217	217
	48	10.0	2	654	1308
	49	10.0	2	633	1266
	50	12.5	1	610	610
	51	12.5	2	617	1234

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	6.4	1.7
	8.0	426.7	185.2
	10.0	27.9	18.9
	12.5	18.4	19.5
CA60	5.0	462	78.3
PESO TOTAL (kg)			
CA50		225.4	
CA60		78.3	

LUZIANIA
UM NOVO TEMPO COM BEM-ESTAR E TRABALHO

SMDU
SECRETARIA MUNICIPAL DE DESENVOLVIMENTO URBANO

OBRA: **CONSTRUÇÃO DA CLÍNICA VETERINÁRIA PÚBLICA DE LUZIANIA-GO**
ENDEREÇO: R. JOÃO GONÇALVES, QD. DR. M. LT. 01, SETOR FUMAL, LUZIANIA-GO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUZIANIA
AUTOR DO PROJETO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

RESPONSÁVEL TÉCNICO: CRISTIANO F. RODRIGUES DA SILVA CREA 22146/D-DF

FISCALIZAÇÃO E LICENÇA: CREA/CAU

FOLHA: 6/6

CONTEÚDO: ESTRUTURAL VIGAS
ÁREAS: INDICADA EM QUADRO
DATA: 02/2023
DESENHO: ISABELLE MORAES
ESCALA: INDICADA
UNIDADE: METROS