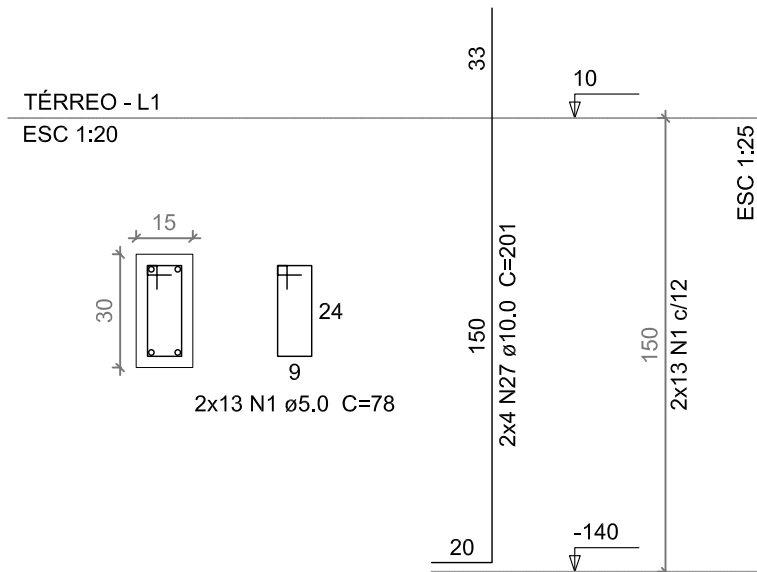
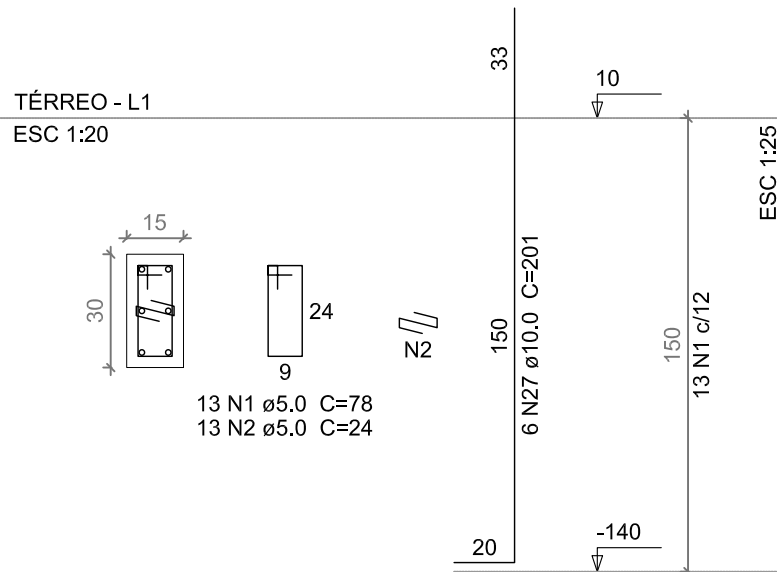


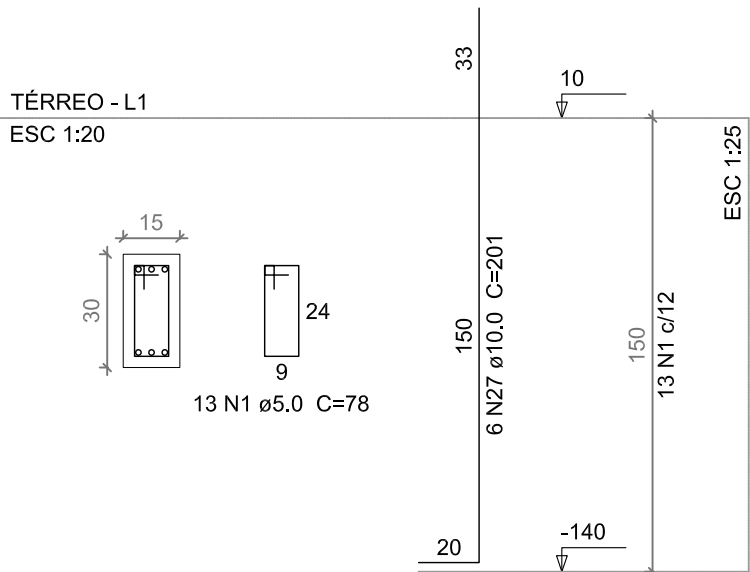
P25=P26



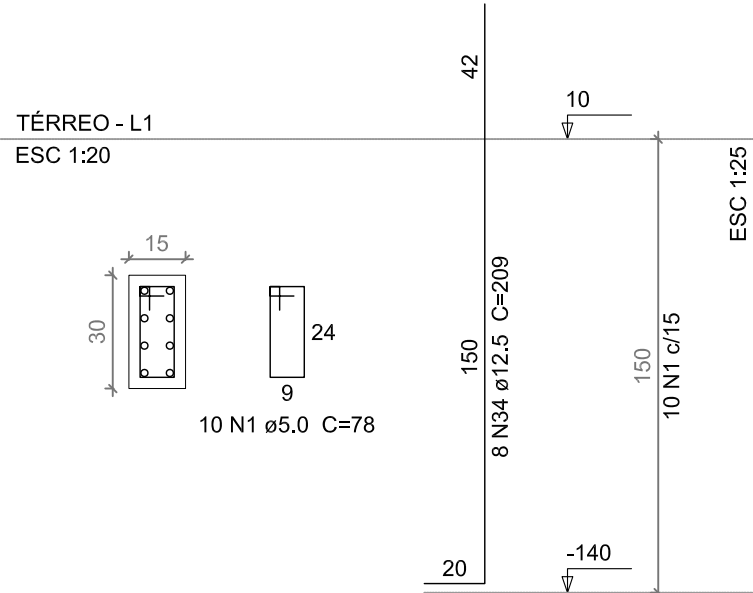
P27



P29



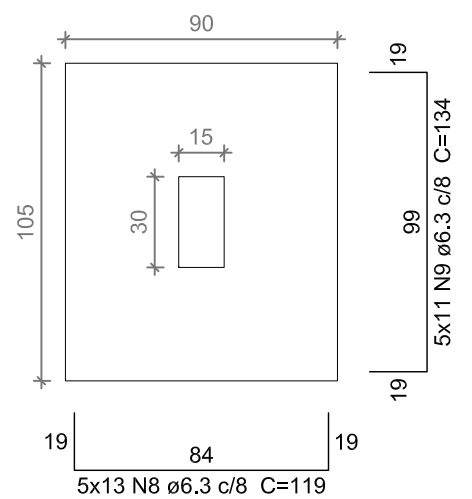
P31



S25=S26=S27=S29=S31

PLANTA
ESC 1:25

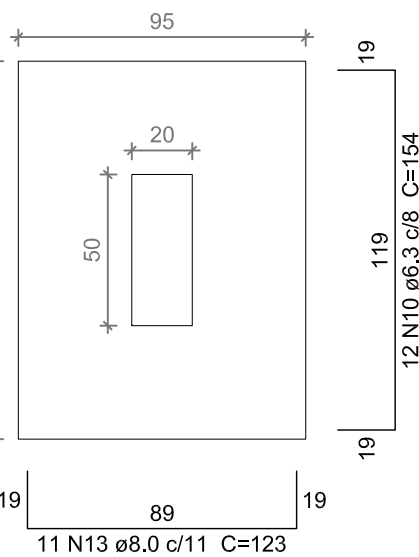
CORTE
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

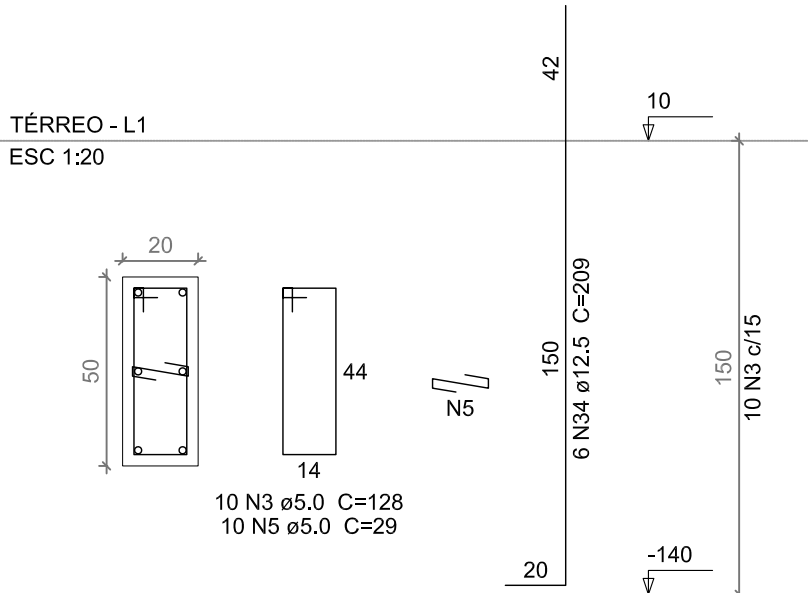
S37

PLANTA
ESC 1:25

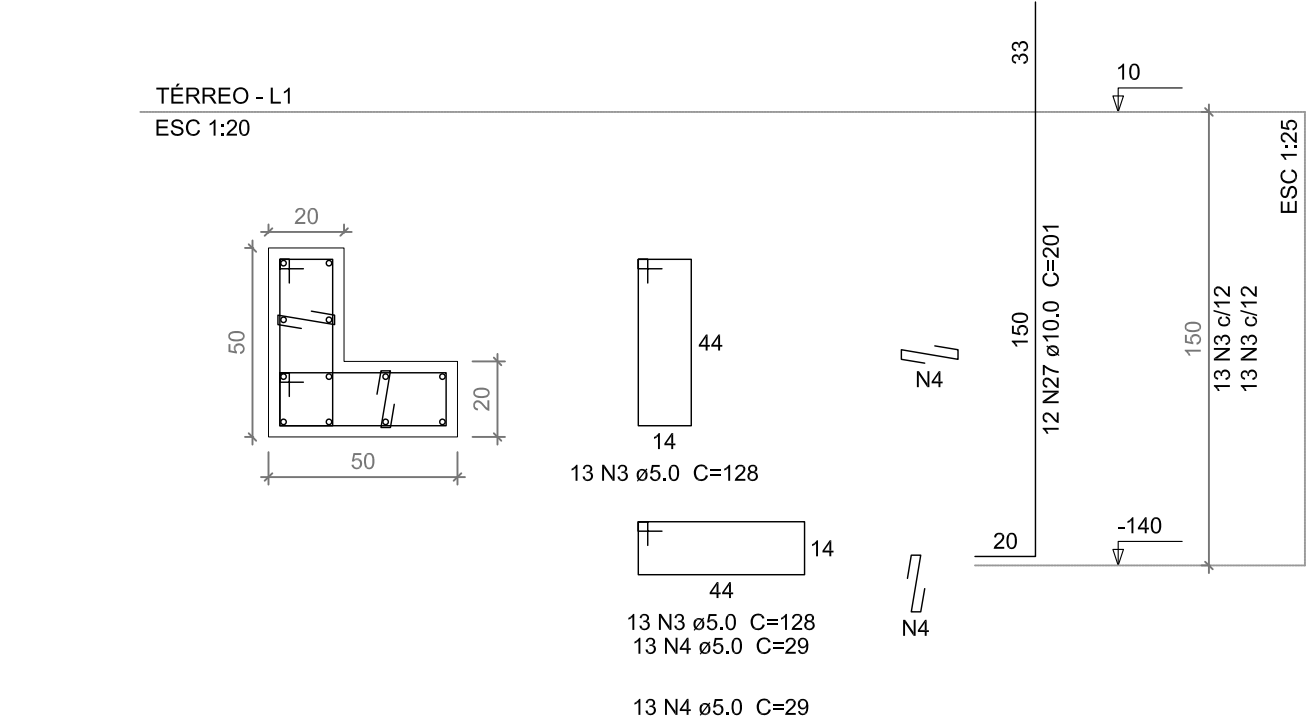


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P37

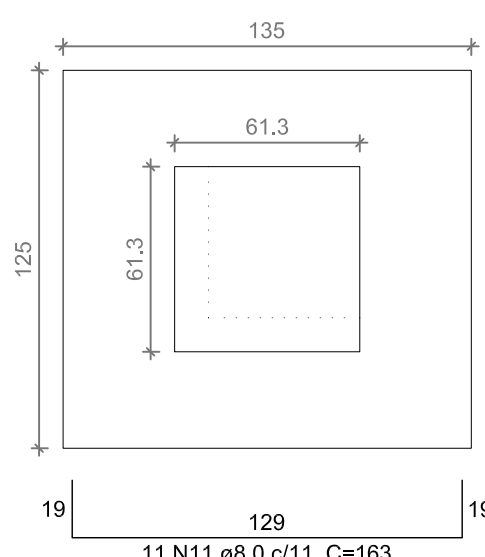


P33



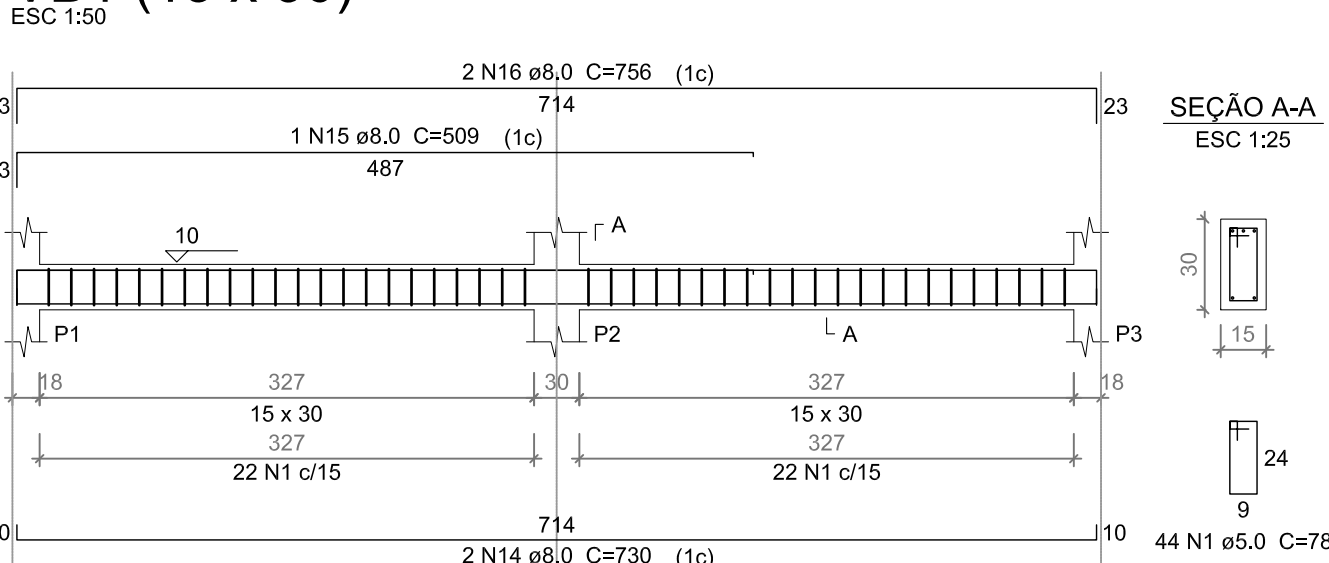
S33

PLANTA
ESC 1:25

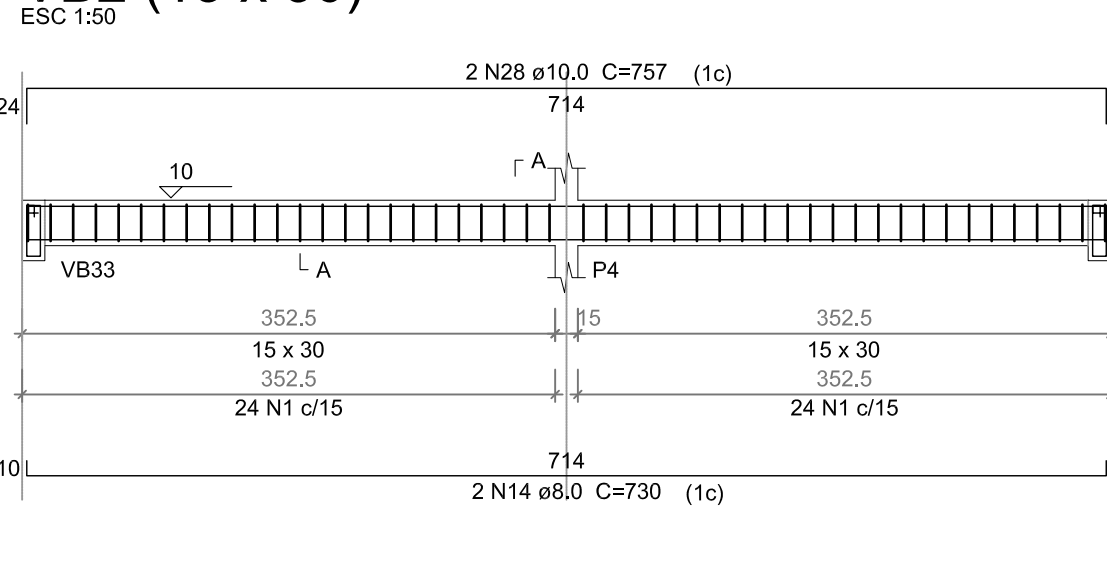


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

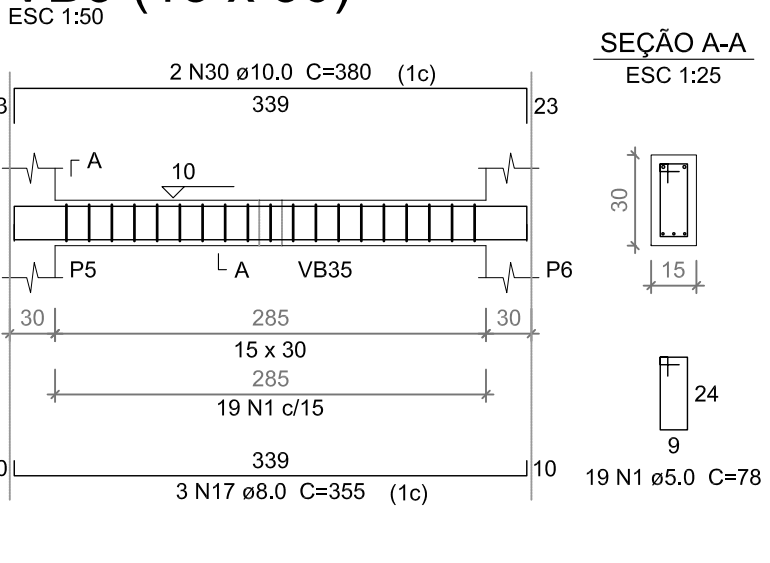
VB1 (15 x 30)



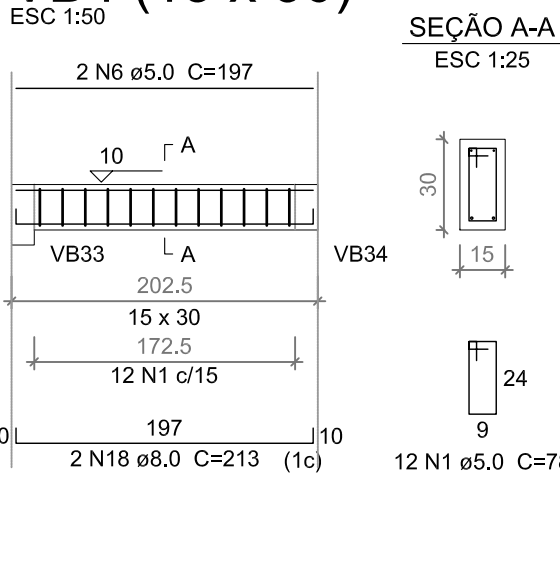
VB2 (15 x 30)



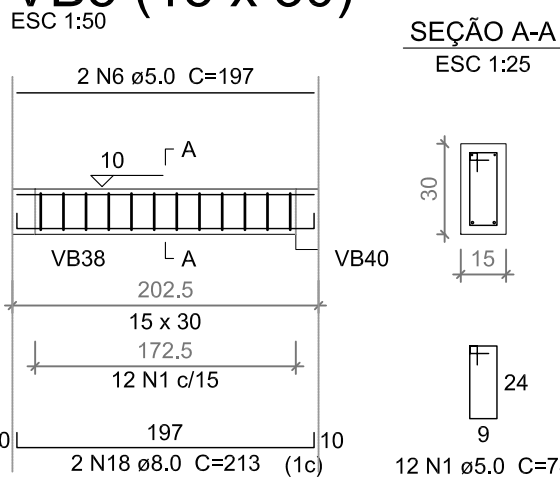
VB3 (15 x 30)



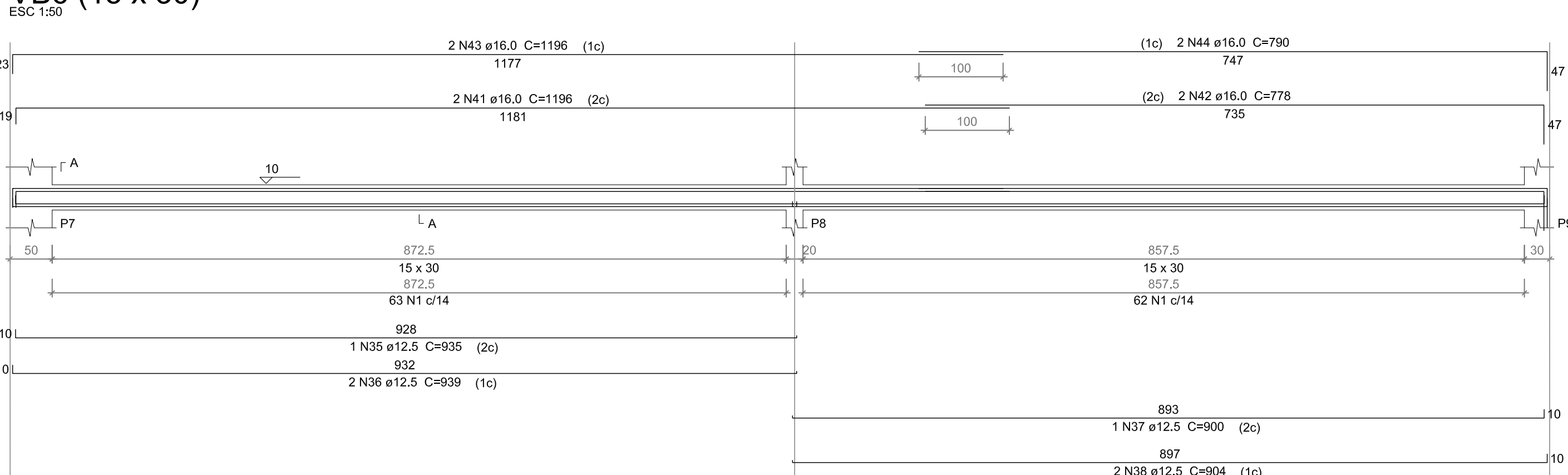
VB4 (15 x 30)



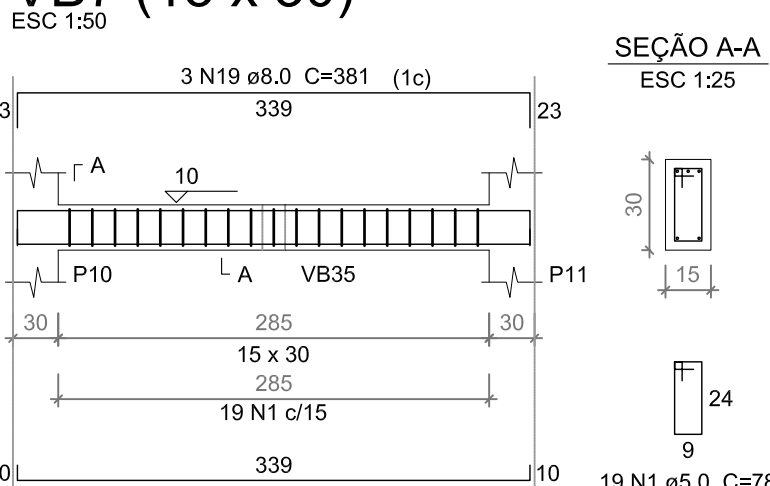
VB5 (15 x 30)



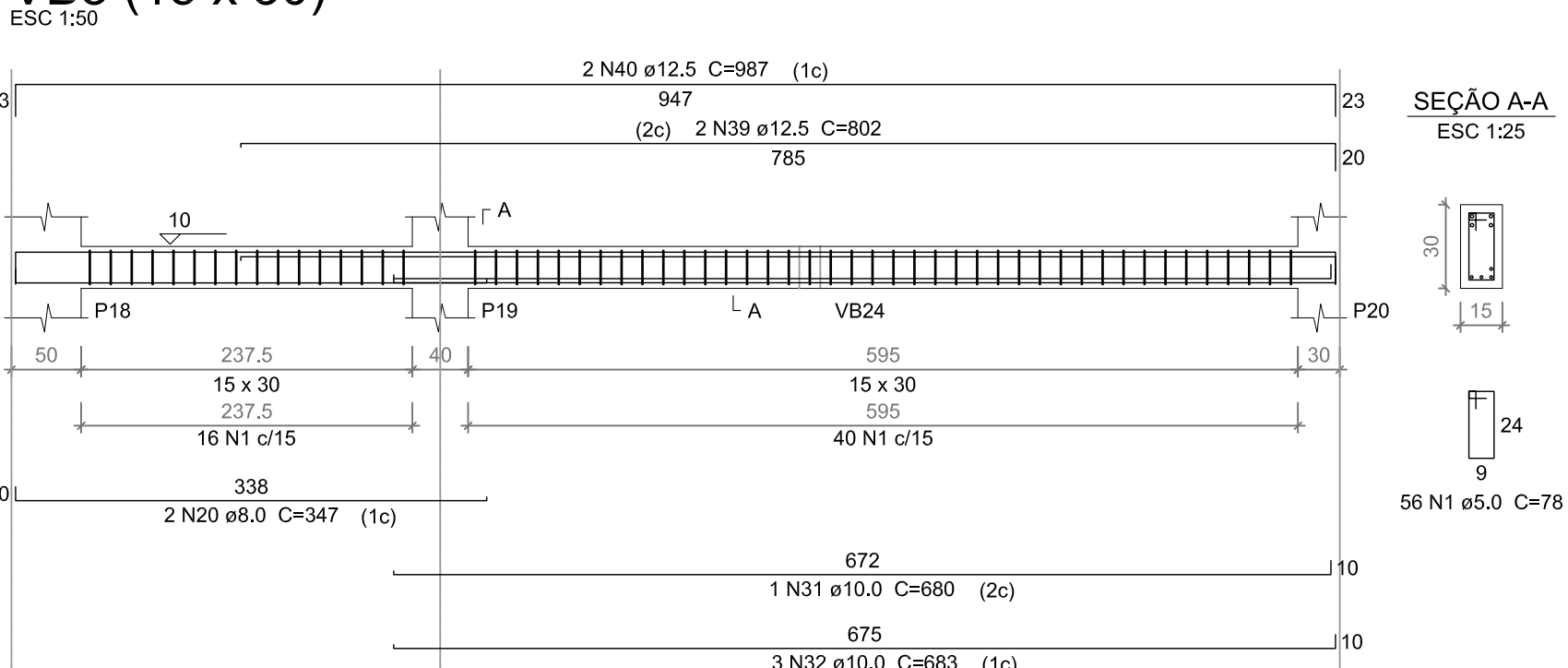
VB6 (15 x 30)



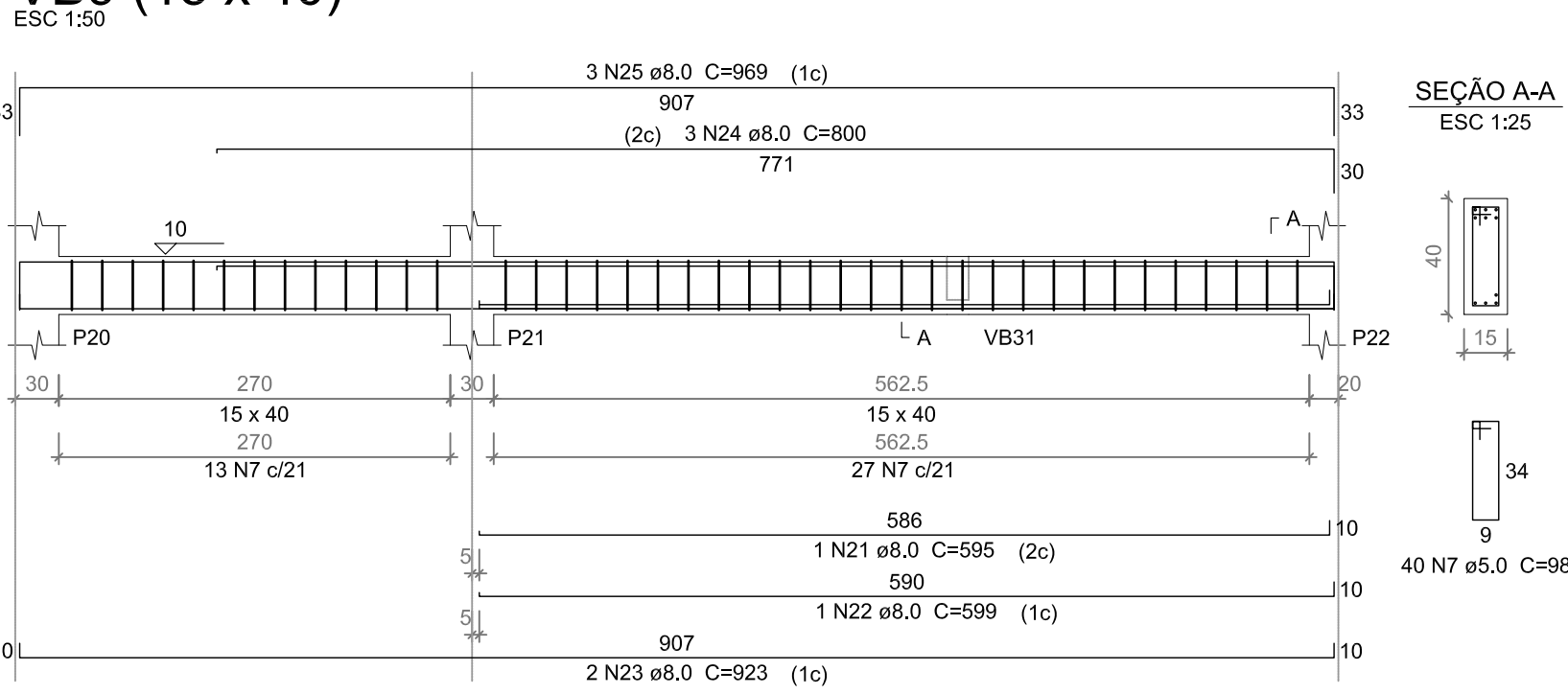
VB7 (15 x 30)



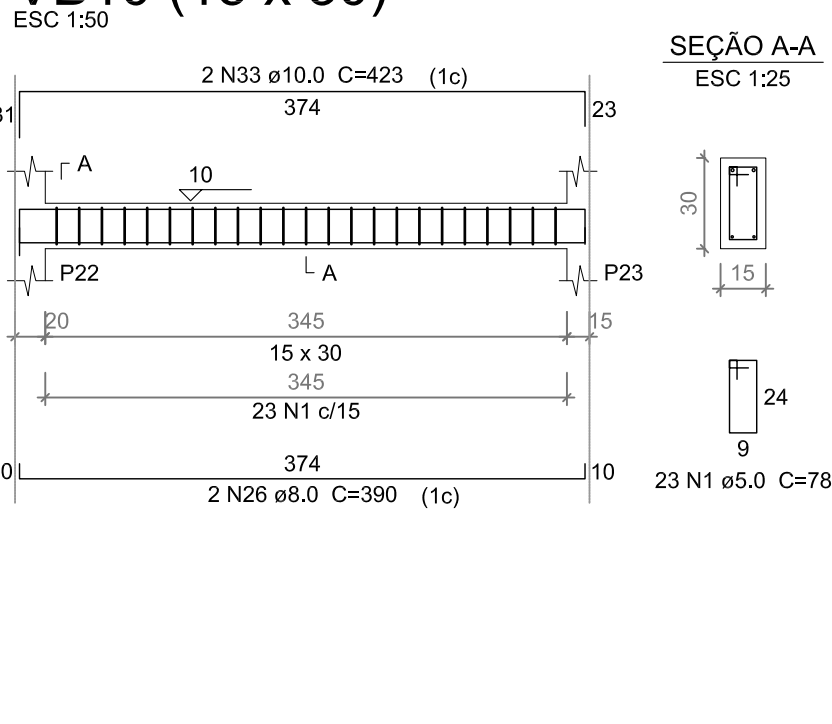
VB8 (15 x 30)



VB9 (15 x 40)



VB10 (15 x 30)



Relação do aço



AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
S25	1	5.0	420	78	32780
VB1	2	5.0	13	24	312
VB4	3	5.0	36	128	4608
VB7	4	5.0	26	29	754
VB10	5	5.0	10	29	290
CA50	6	5.0	4	197	788
	7	5.0	40	98	3920
	8	6.3	65	119	7735
	9	6.3	55	134	7370
	10	6.3	12	154	1848
	11	8.0	11	163	1793
	12	8.0	13	153	1989
	13	8.0	11	123	1353
	14	8.0	4	730	2920
	15	8.0	1	509	509
	16	8.0	2	756	1512
	17	8.0	5	355	1775
	18	8.0	4	213	852
	19	8.0	3	381	1143
	20	8.0	2	347	694
	21	8.0	1	595	595
	22	8.0	1	599	599
	23	8.0	2	923	1846
	24	8.0	3	800	2400
	25	8.0	3	969	2907
	26	8.0	2	390	780
	27	10.0	32	201	6432
	28	10.0	2	757	1514
	29	10.0	2	99	198
	30	10.0	2	380	760
	31	10.0	1	680	680
	32	10.0	3	683	2049
	33	10.0	2	423	846
	34	12.5	14	209	2926
	35	12.5	1	935	935
	36	12.5	2	939	1878
	37	12.5	1	900	900
	38	12.5	2	904	1808
	39	12.5	2	802	1604
	40	12.5	2	987	1974
	41	16.0	2	1196	2392
	42	16.0	2	778	1556
	43	16.0	2	1196	2392
	44	16.0	2	790	1580

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	169.6	45.6
	8.0	236.7	102.7
	10.0	124.8	84.6
	12.5	120.3	127.4
	16.0	79.2	137.5
CA60	5.0	434.4	73.6
PESO TOTAL (kg)			
CA50		497.9	
CA60		73.6	

Volume de concreto (C-30) = 5.74 m³
Área de forma = 70.53 m²

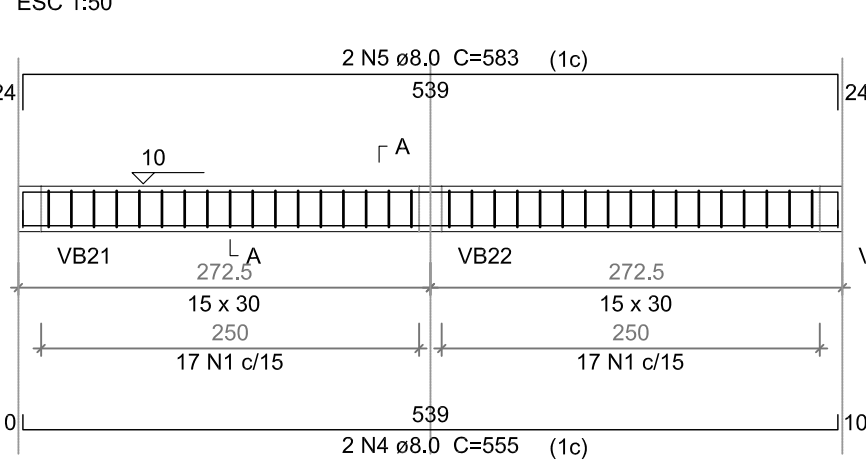
Nº	ALTERAÇÃO/REVISÕES	REVISADO POR	DATA

	AUTOR DO PROJETO: Engº. Fredrico Damasceno Pinheiro CREA 270082778-3	
	ENDEREÇO: Rua Dom José Thomaz, 194 - Bairro São José - Aracaju/SE dipop@ifs.edu.br TEL: (79)3711-3139	

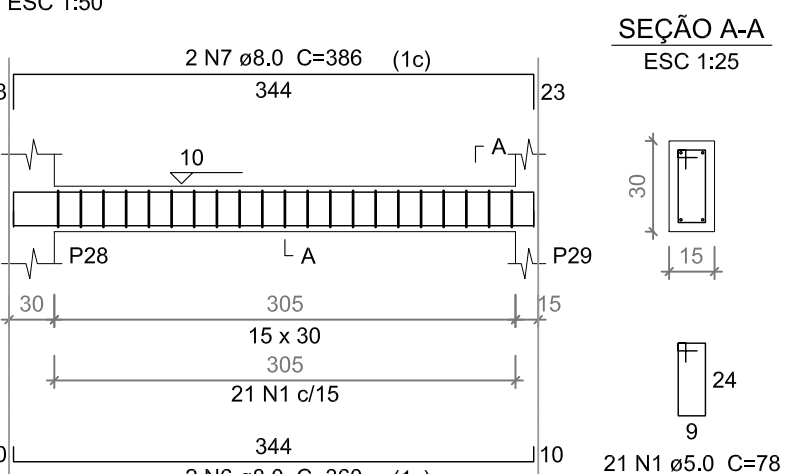
PROJETO ESTRUTURAL
CAMPUS JAPARATUBA/SE

CLIENTE: INSTITUTO FEDERAL DE SERGIPE - CAMPUS JAPARATUBA	ESCALA: 1:100
ENDEREÇO: ROD. DEP. REINALDO MOURA, S/N - JAPARATUBA/SE	DATA: MAIO/2025
PLANTA: RESTAURANTE ARMAÇÃO DAS SAPATAS E VIGAS BALDRAMES	PRANCHA: 05/16
CAMPO: JAP CAM EST PE Q05 Q16 R01	

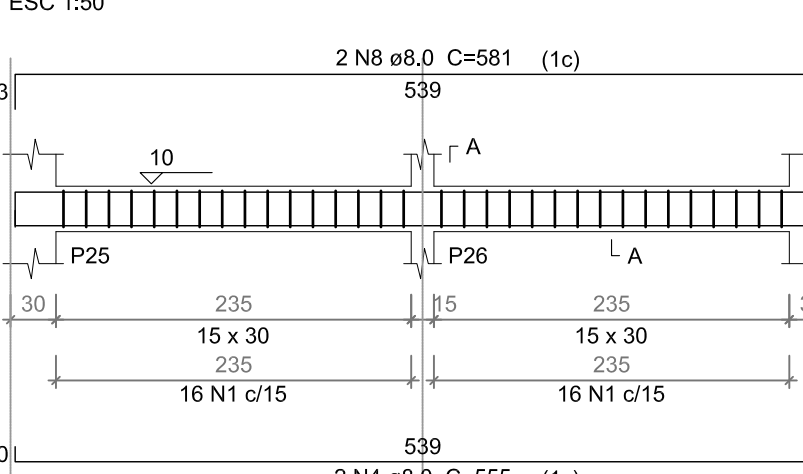
VB11 (15 x 30)



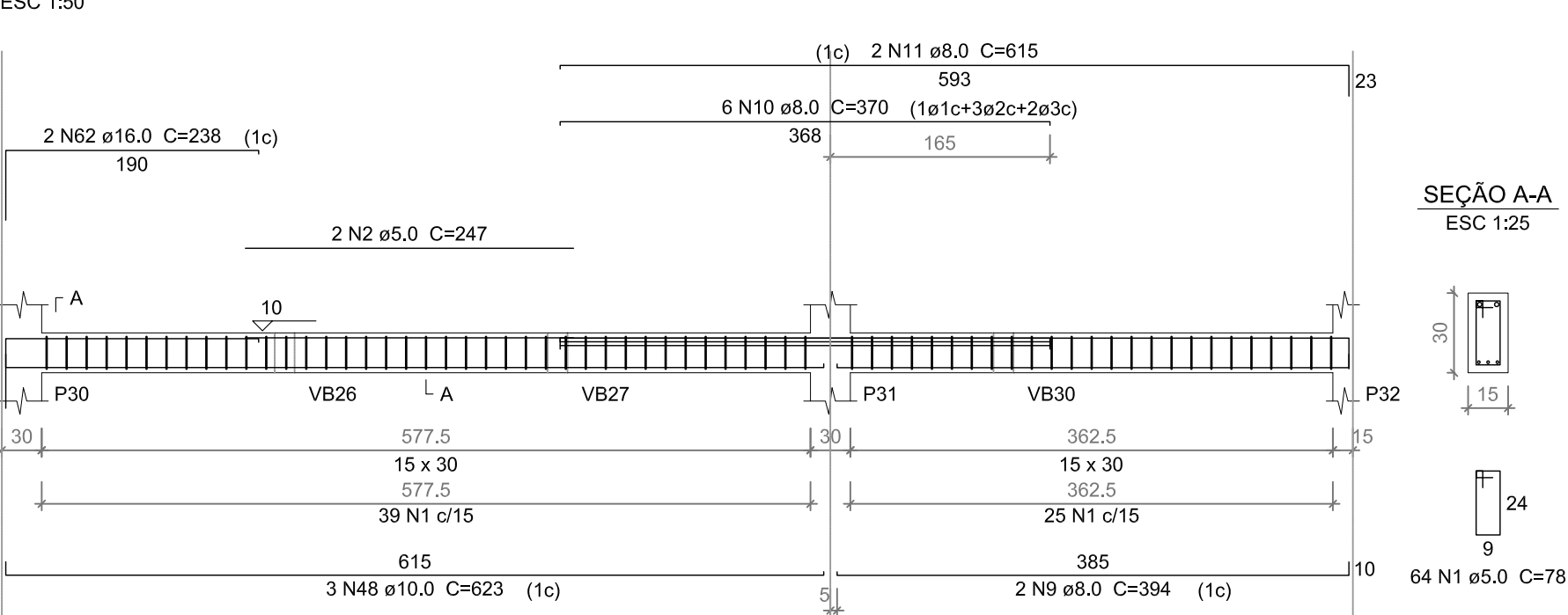
VB12 (15 x 30)



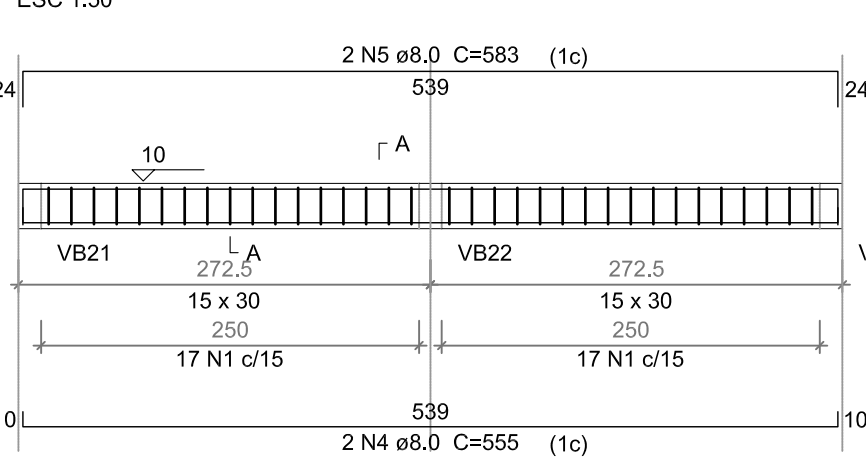
VB13 (15 x 30)



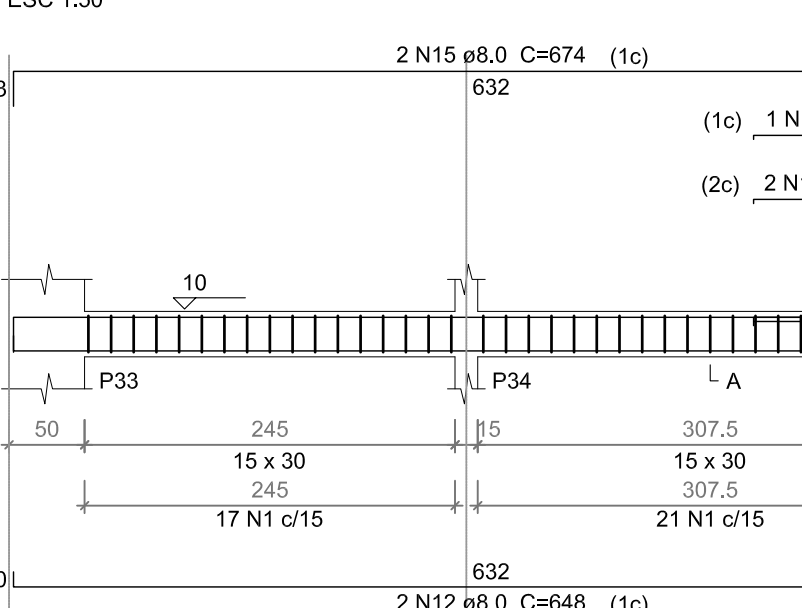
VB14 (15 x 30)



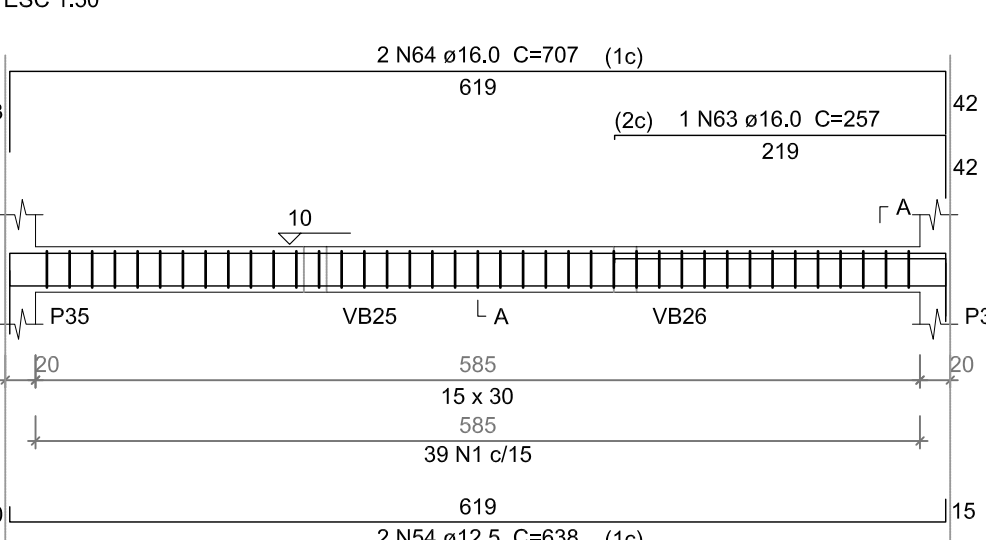
VB15 (15 x 30)



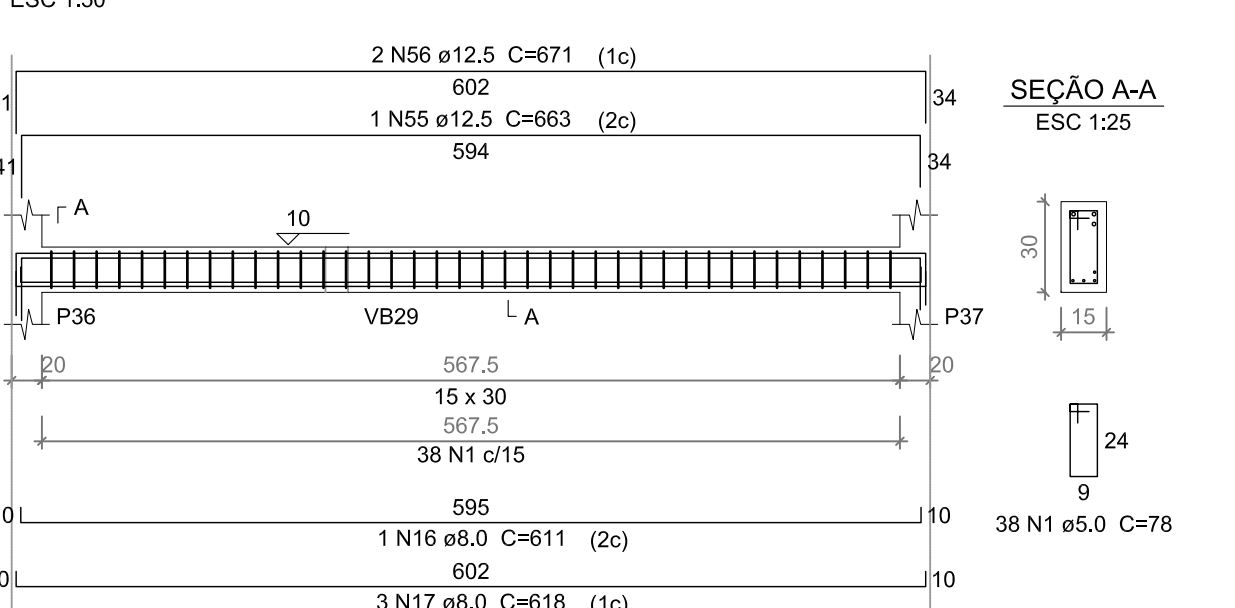
VB16 (15 x 30)



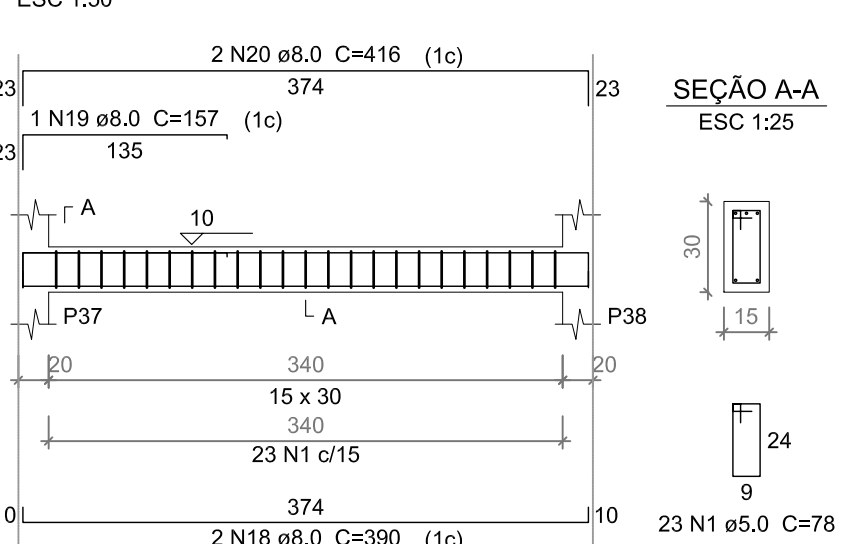
VB17 (15 x 30)



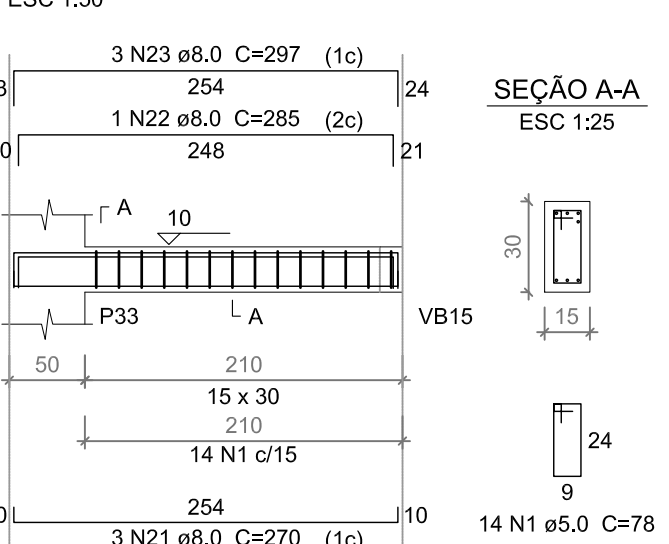
VB18 (15 x 30)



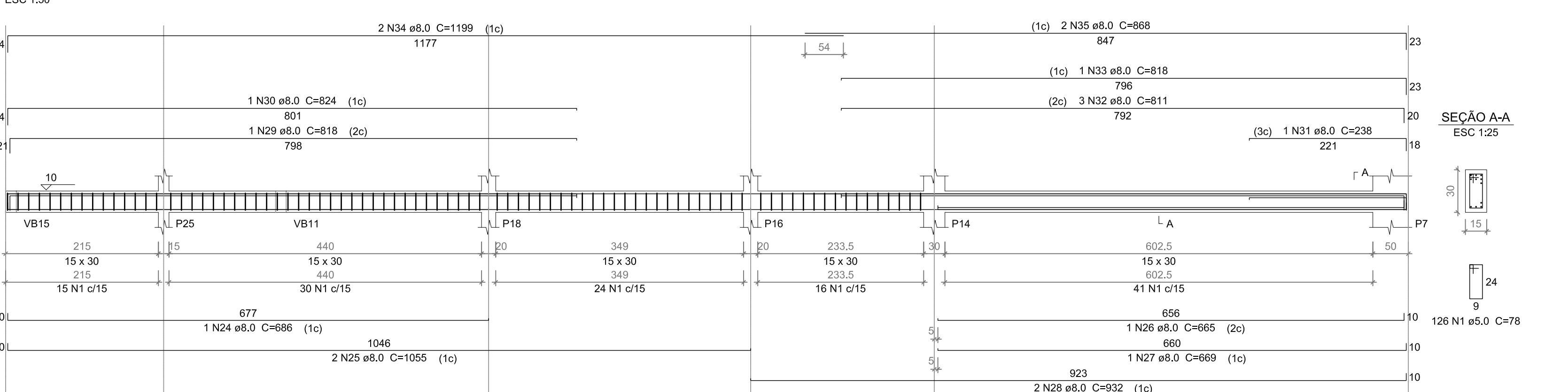
VB19 (15 x 30)



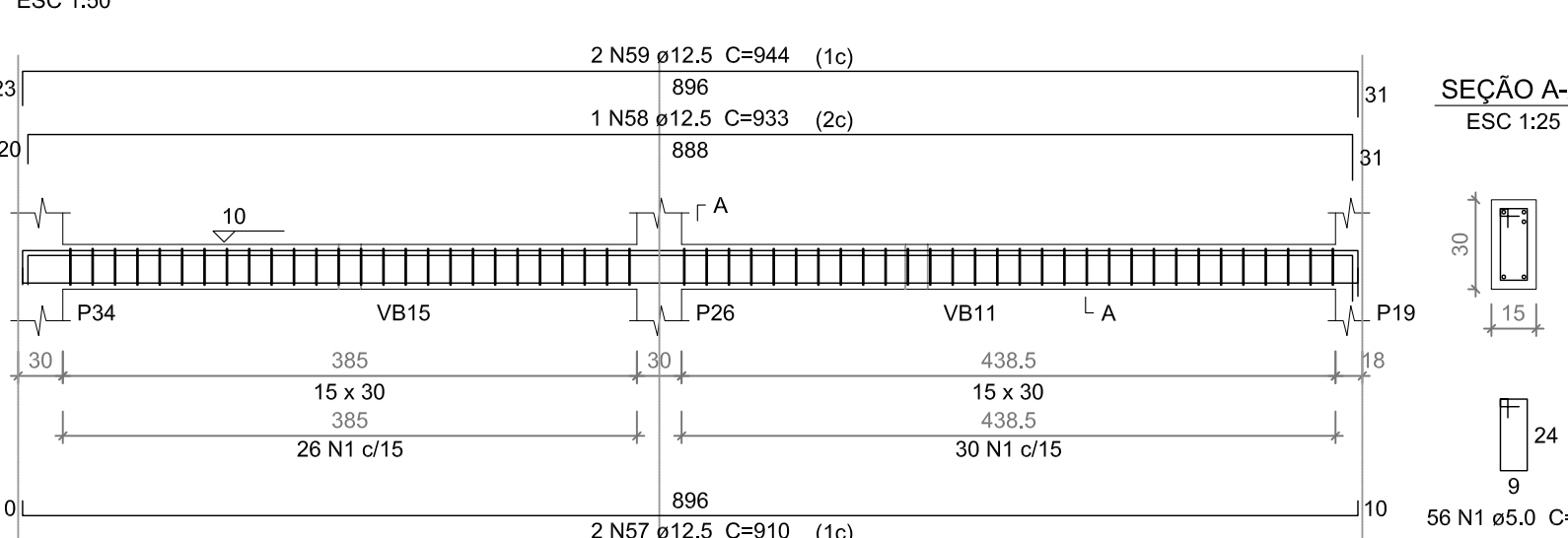
VB20 (15 x 30)



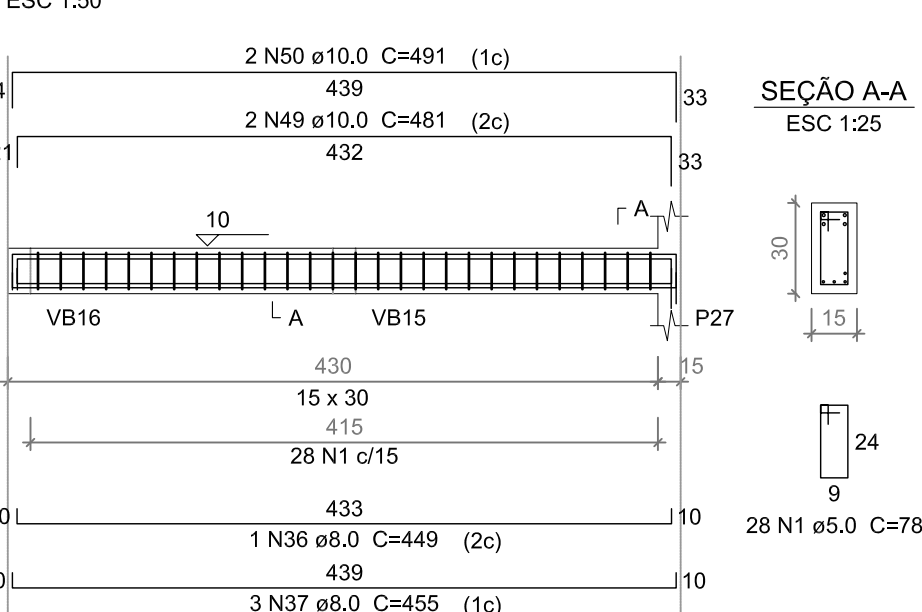
VB21 (15 x 30)



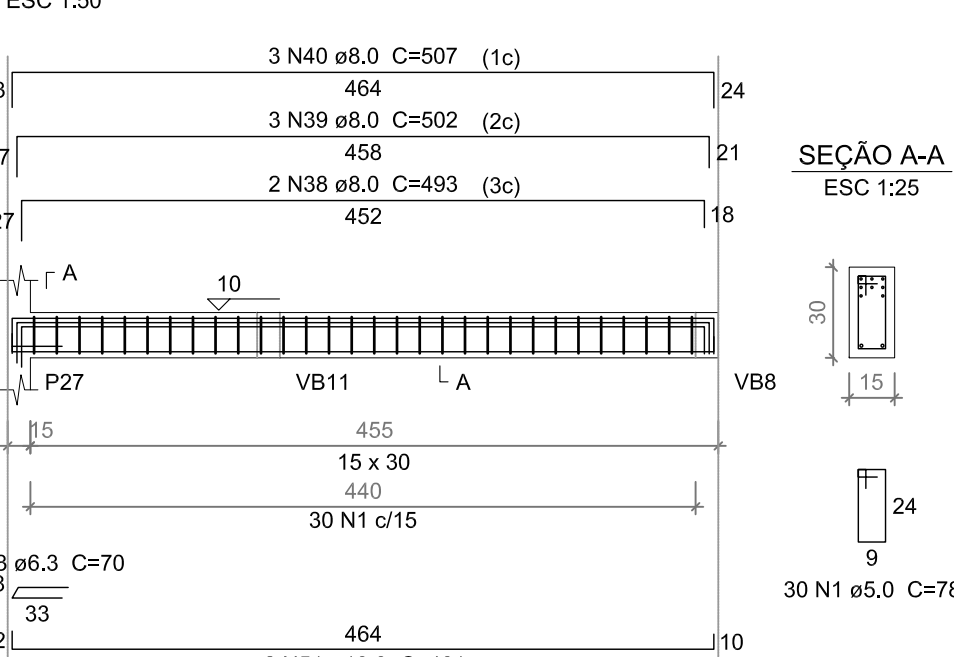
VB22 (15 x 30)



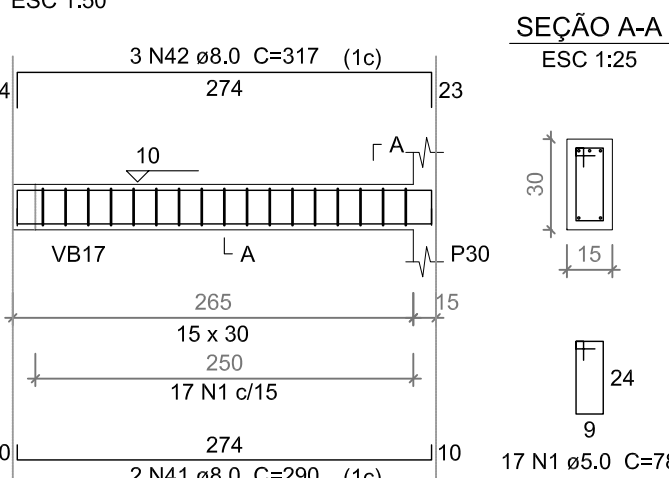
VB23 (15 x 30)



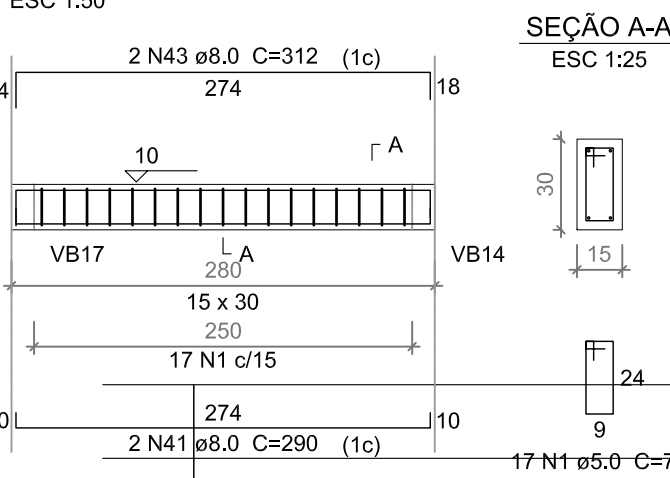
VB24 (15 x 30)



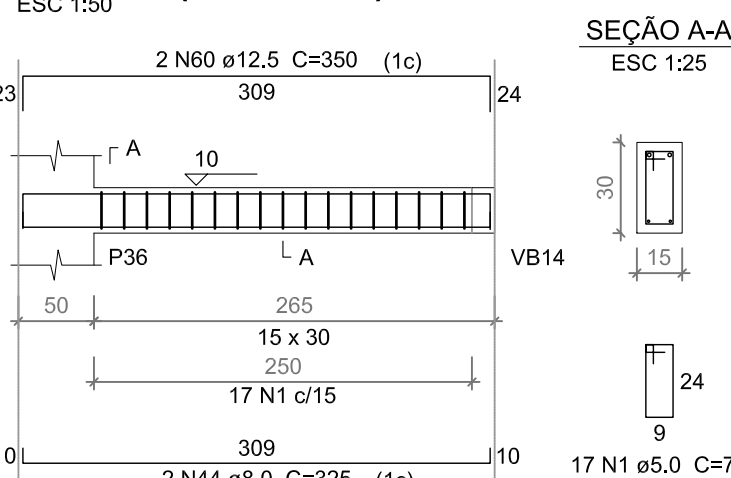
VB25 (15 x 30)



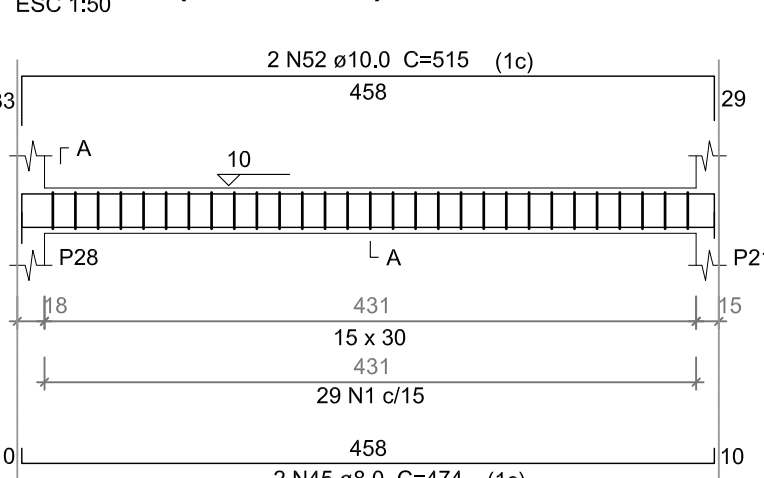
VB26 (15 x 30)



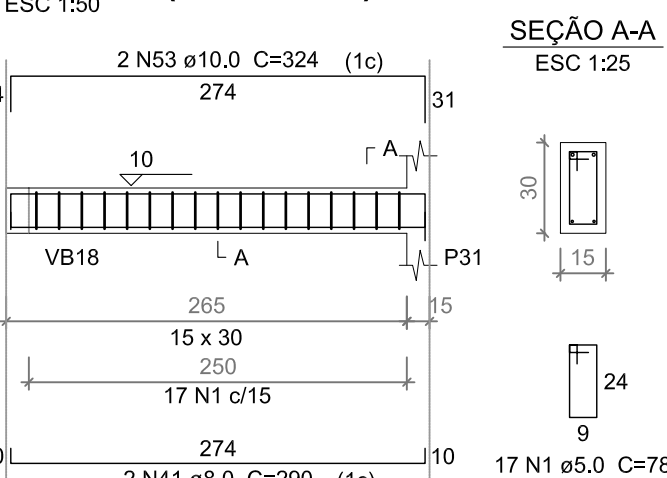
VB27 (15 x 30)



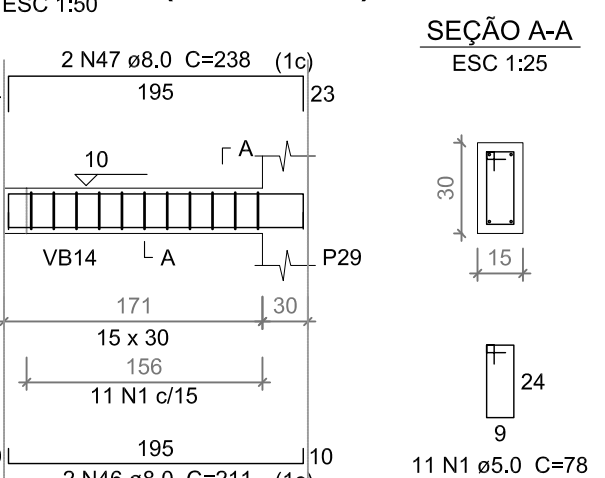
VB28 (15 x 30)



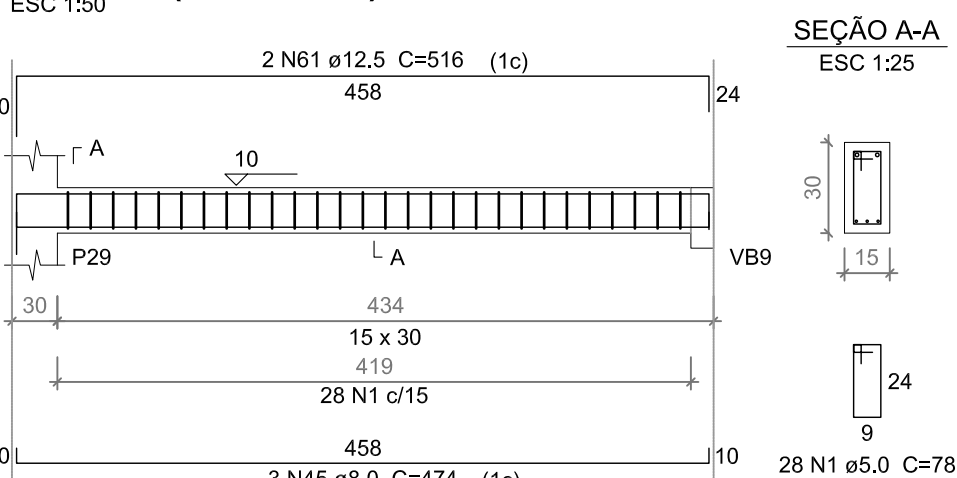
VB29 (15 x 30)



VB30 (15 x 30)



VB31 (15 x 30)



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT	C.TOTAL (cm)
CA60	1	5.0	713	78	55614
CA50	2	5.0	2	247	494
	3	6.3	1	70	70
	4	8.0	6	555	3330
	5	8.0	4	583	2332
	6	8.0	2	360	720
	7	8.0	2	386	772
	8	8.0	2	581	1162
	9	8.0	2	394	788
	10	8.0	6	370	2220
	11	8.0	2	615	1230
	12	8.0	2	648	1296
	13	8.0	2	158	316
	14	8.0	1	164	164
	15	8.0	2	674	1348
	16	8.0	1	611	611
	17	8.0	3	618	1854
	18	8.0	2	390	780
	19	8.0	1	157	157
	20	8.0	2	416	832
	21	8.0	3	270	810
	22	8.0	1	285	285
	23	8.0	3	297	891
	24	8.0	1	686	686
	25	8.0	2	1055	2110
	26	8.0	1	665	665
	27	8.0	1	669	669
	28	8.0	2	932	1864
	29	8.0	1	818	818
	30	8.0	1	824	824
	31	8.0	1	238	238
	32	8.0	3	811	2433
	33	8.0	1	818	818
	34	8.0	2	1199	2398
	35	8.0	2	868	1736
	36	8.0	1	449	449
	37	8.0	3	455	1365
	38	8.0	2	493	986
	39	8.0	3	502	1506
	40	8.0	3	507	1521
	41	8.0	6	290	1740
	42	8.0	3	317	951
	43	8.0	2	312	624
	44	8.0	2	325	650
	45	8.0	5	474	2370
	46	8.0	2	211	422
	47	8.0	2	238	476
	48	10.0	3	623	1869
	49	10.0	2	481	962
	50	10.0	2	491	982
	51	10.0	2	481	962
	52	10.0	2	515	1030
	53	10.0	2	324	648
	54	12.5	2	638	1276
	55	12.5	1	663	663
	56	12.5	2	671	1342
	57	12.5	2	910	1820
	58	12.5	1	933	933
	59	12.5	2	944	1888
	60	12.5	2	350	700
	61	12.5	2	516	1032
	62	16.0	2	238	476
	63	16.0	1	257	257
	64	16.0	2	707	1414

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	0.7	0.2
	8.0	502.2	218
	10.0	64.6	43.8
	12.5	96.6	102.3
	16.0	21.5	37.3
	5.0	561.1	95.1
PESO TOTAL (kg)			
CA50		401.5	
CA60		95.1	

Volume de concreto (C=30) = 5.21 m³
Área de forma = 86.89 m²



AUTOR DO PROJETO:
Engº. Fredrico Damasceno Pinheiro
CREA 270082778-3



ENDEREÇO:
Rua Dom José Thomaz, 194 - Bairro São José - Aracaju/SE
dipop@ifs.edu.br
TEL: (79)3711-3139

PROJETO ESTRUTURAL
CAMPUS JAPARATUBA/SE

CLIENTE:
INSTITUTO FEDERAL DE SERGIPE - CAMPUS JAPARATUBA

ENDEREÇO:
ROD. DEP. REINALDO MOURA, S/N - JAPARATUBA/SE

ESCALA:
1:100

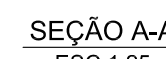
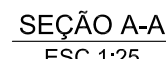
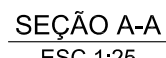
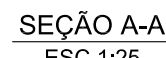
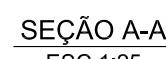
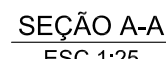
PLANTA:
RESTAURANTE
ARMAÇÃO DAS VIGAS BALDRAMES

DATA:
MAIO/2025

PRANCHA:

06/16

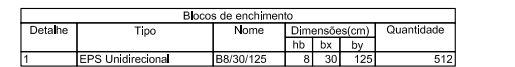
CAMPO: JAP CAM EST PE 006 016 001



Resumo do aço

Volume de concreto (C-30) = 3.34 m³
Área de forma = 54.82 m²

Volume de concreto (C-30) = 3.34 m³
Área de forma = 54.82 m²



Name	Type	Distance		Lateness		Performance		Information		Localisation
		Africa	Europe	Asia	North	Pre-processor	Post-processor	Information	Posterior	
L1	Manila	10	250	375	500	100	100	100	100	-
L2	Manila	10	250	375	500	100	100	100	100	-
L3	Manila	10	250	375	500	100	100	100	100	-
L4	Manila	10	250	375	500	100	100	100	100	-
L5	Manila	10	250	375	500	100	100	100	100	-
L6	Manila	10	250	375	500	100	100	100	100	-
L7	Manila	10	250	375	500	100	100	100	100	-
L8	Manila	10	250	375	500	100	100	100	100	-
L9	Manila	10	250	375	500	100	100	100	100	-
L10	Manila	10	250	375	500	100	100	100	100	-
L11	Manila	10	250	375	500	100	100	100	100	-
L12	Manila	10	250	375	500	100	100	100	100	-
L13	Manila	10	250	375	500	100	100	100	100	-
L14	Manila	10	250	375	500	100	100	100	100	-
L15	Manila	10	250	375	500	100	100	100	100	-
L16	Manila	10	250	375	500	100	100	100	100	-
L17	Manila	10	250	375	500	100	100	100	100	-
L18	Manila	10	250	375	500	100	100	100	100	-
L19	Manila	10	250	375	500	100	100	100	100	-
L20	Manila	10	250	375	500	100	100	100	100	-
L21	Manila	10	250	375	500	100	100	100	100	-
L22	Manila	10	250	375	500	100	100	100	100	-
L23	Manila	10	250	375	500	100	100	100	100	-
L24	Manila	10	250	375	500	100	100	100	100	-
L25	Manila	10	250	375	500	100	100	100	100	-
L26	Manila	10	250	375	500	100	100	100	100	-
L27	Manila	10	250	375	500	100	100	100	100	-
L28	Manila	10	250	375	500	100	100	100	100	-
L29	Manila	10	250	375	500	100	100	100	100	-
L30	Manila	10	250	375	500	100	100	100	100	-
L31	Manila	10	250	375	500	100	100	100	100	-
L32	Manila	10	250	375	500	100	100	100	100	-
L33	Manila	10	250	375	500	100	100	100	100	-
L34	Manila	10	250	375	500	100	100	100	100	-
L35	Manila	10	250	375	500	100	100	100	100	-
L36	Manila	10	250	375	500	100	100	100	100	-
L37	Manila	10	250	375	500	100	100	100	100	-
L38	Manila	10	250	375	500	100	100	100	100	-
L39	Manila	10	250	375	500	100	100	100	100	-
L40	Manila	10	250	375	500	100	100	100	100	-
L41	Manila	10	250	375	500	100	100	100	100	-
L42	Manila	10	250	375	500	100	100	100	100	-
L43	Manila	10	250	375	500	100	100	100	100	-
L44	Manila	10	250	375	500	100	100	100	100	-
L45	Manila	10	250	375	500	100	100	100	100	-

Isk (kg/cm ²)	Ecs (kg/cm ²)	Isf (kg/cm ²)	Abaçamento (cm)
500	2000%	29	√300

Dimensão máxima da amostra: 6,33 mm


Pólitos			
Nome	Sessão (s)	Duração (s)	Nível (s)
P1	18 x 30	0	0,31
P2	15 x 30	0	0,31
P3	18 x 30	0	0,27
P4	18 x 30	0	0,31
P5	15 x 30	0	0,31
P6	15 x 30	0	0,31
P7	1.5.55x20x25	0	0,31
P8	20 x 50	0	0,27
P9	30 x 40	0	0,31
P10	15 x 30	0	0,27
P11	15 x 30	0	0,31
P12	18 x 30	0	0,31
P13	22 x 50	0	0,31
P14	15 x 30	0	0,31
P15	20 x 50	0	0,31
P16	20 x 50	0	0,31
P17	20 x 50	0	0,31
P18	20 x 50	0	0,31
P19	18 x 30	0	0,31
P20	18 x 30	0	0,31
P21	20 x 50	0	0,31
P22	20 x 40	0	0,31
P23	15 x 30	0	0,31
P24	15 x 30	0	0,31
P25	15 x 30	0	0,31
P26	15 x 30	0	0,31
P27	15 x 30	0	0,31
P28	18 x 30	0	0,27
P29	15 x 30	0	0,31
P30	15 x 30	0	0,31
P31	15 x 30	0	0,31
P32	15 x 30	0	0,31
P33	1.5.55x20x25	0	0,31
P34	15 x 30	0	0,31
P35	20 x 50	0	0,31
P36	20 x 50	0	0,31
P37	20 x 50	0	0,31
P38	20 x 50	0	0,31

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

Detalhe 1 (esc. 1:30)

Forma do pavimento LAJE IMP.

11911



adengenharia.eng.br

TEL: (79)3711-3139

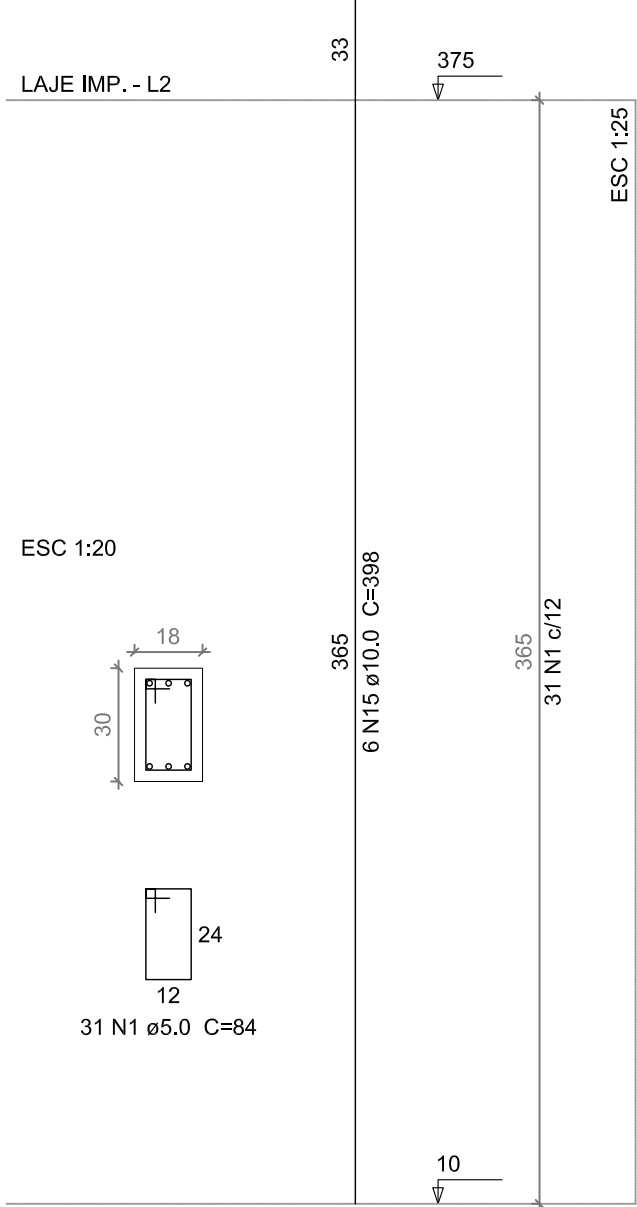
SCALA: 1:100

BRANCHA:

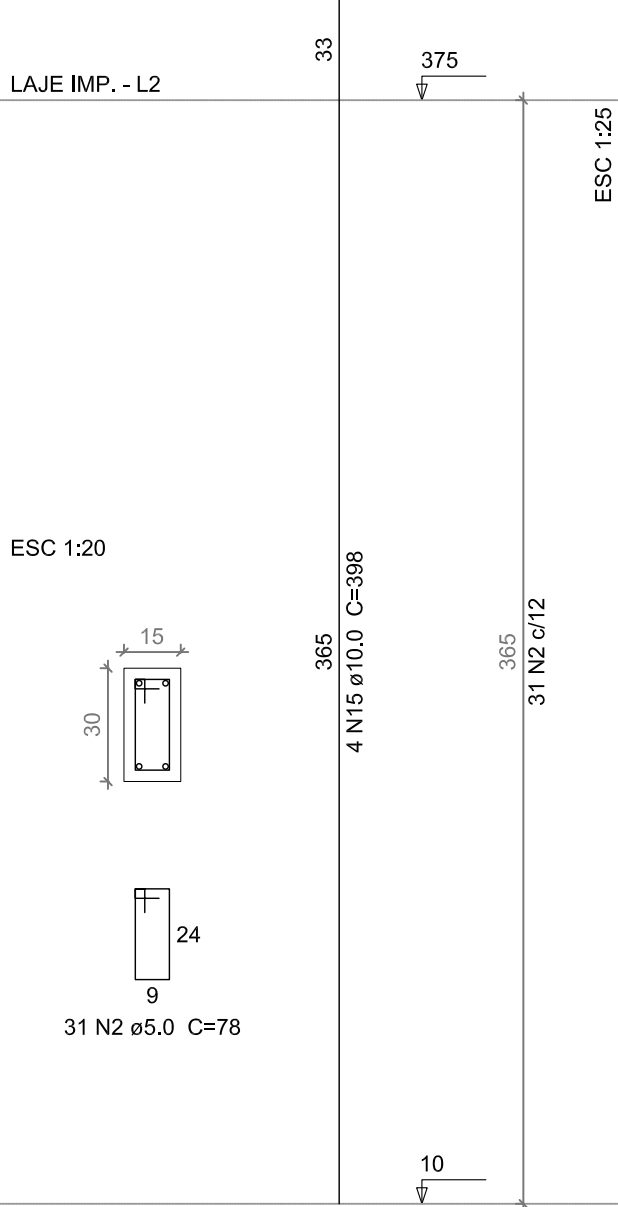
CAMPUS:	OBRA:	ESPECIALIDADE:	FASE:	SERIAL:	QUANTITATIVO:	REVISÃO:													
J	A	P	C	A	M	E	S	T	P	E	0	0	7	0	1	6	R	0	1

07/16

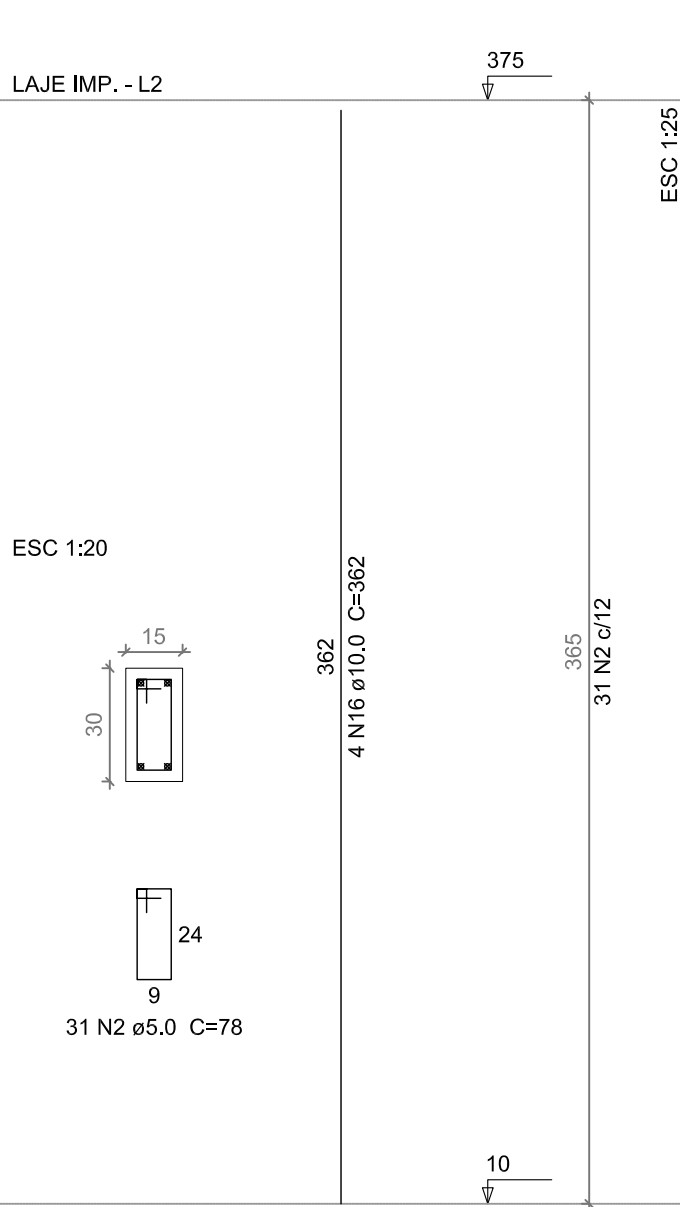
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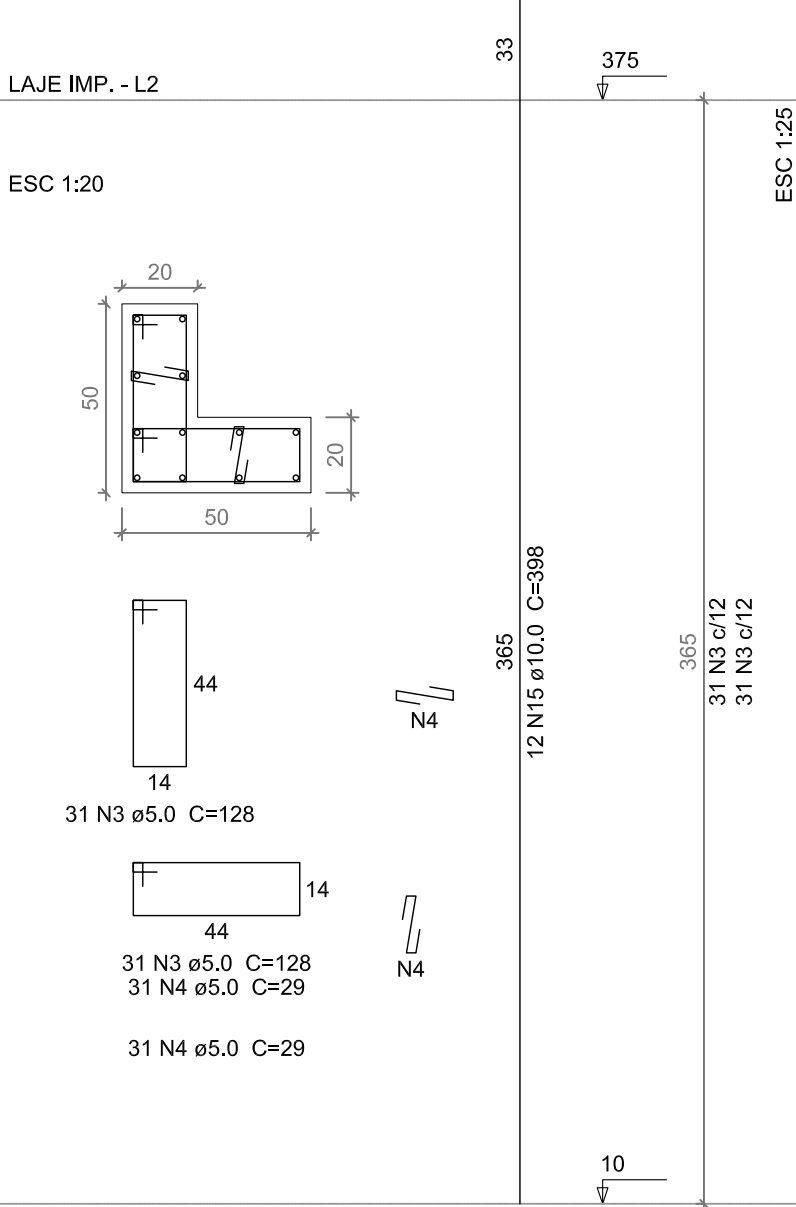
P2=P10=P14=P23



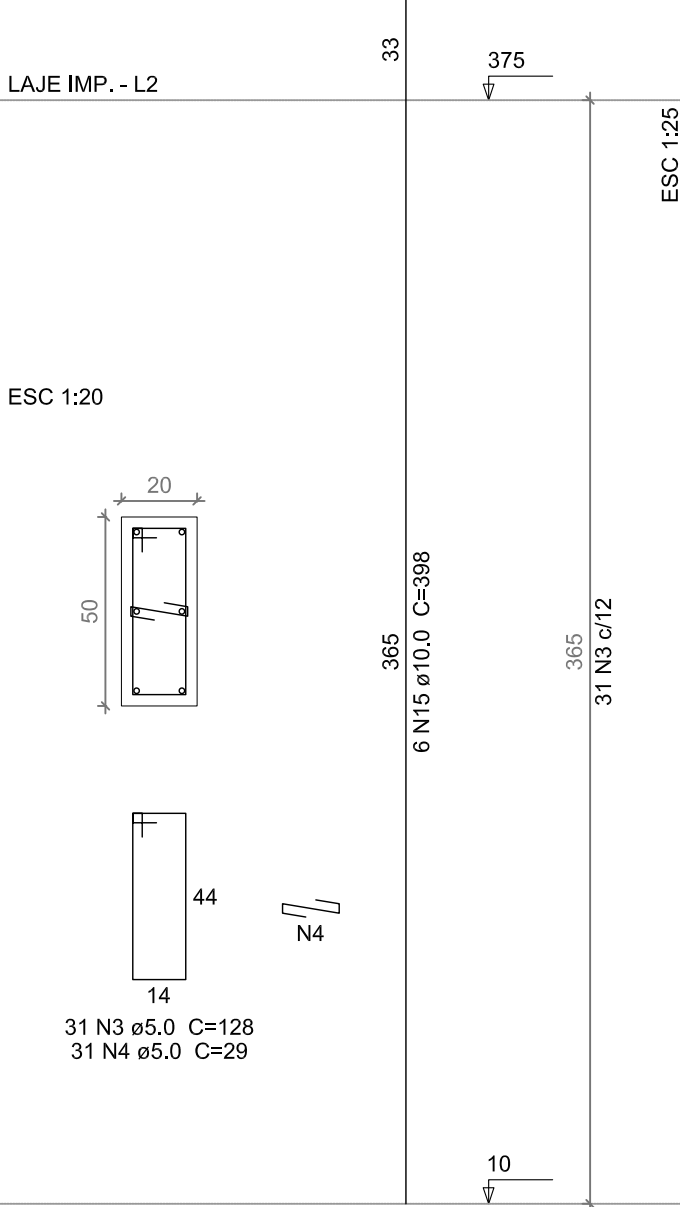
P4=P5=P6=P25=P26=P34



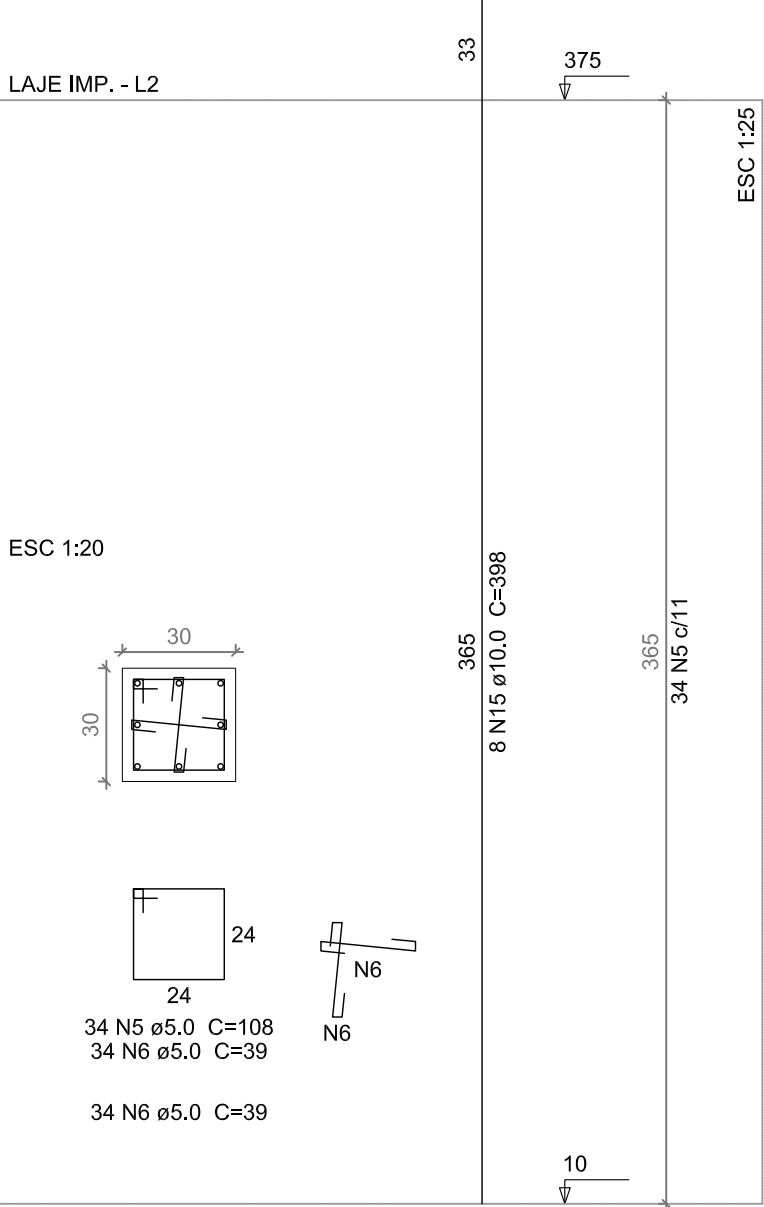
P7=P33



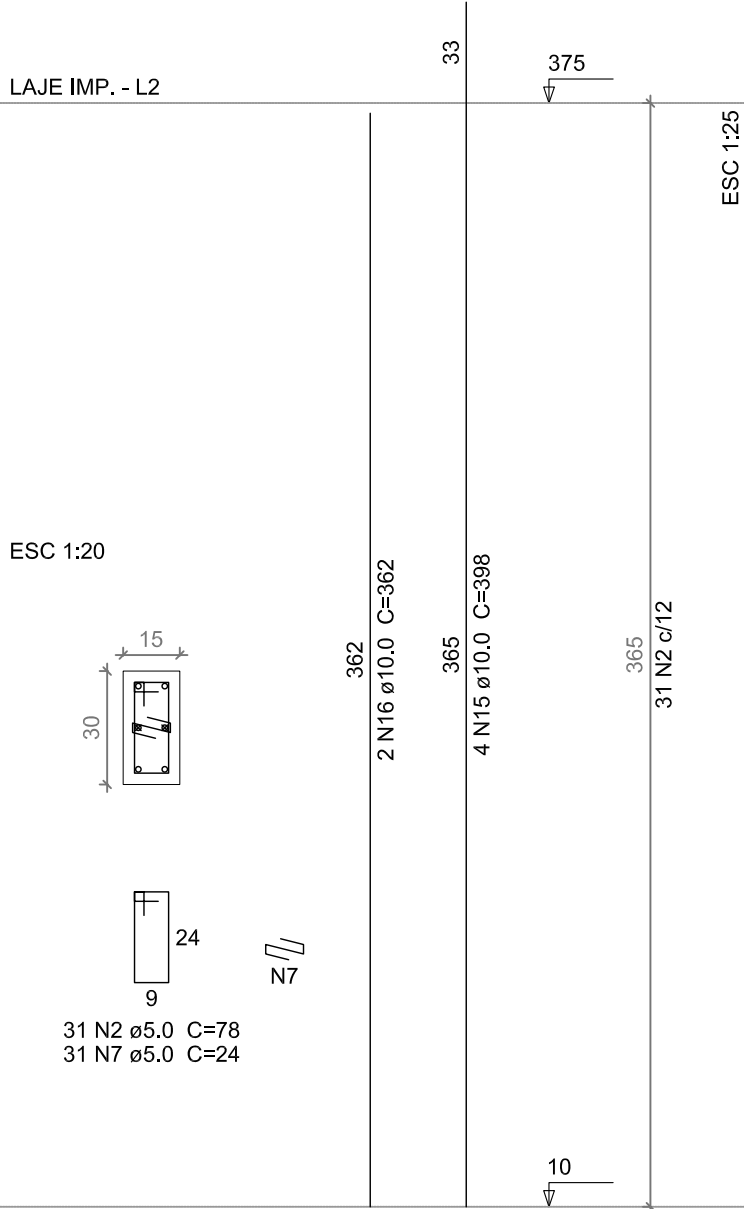
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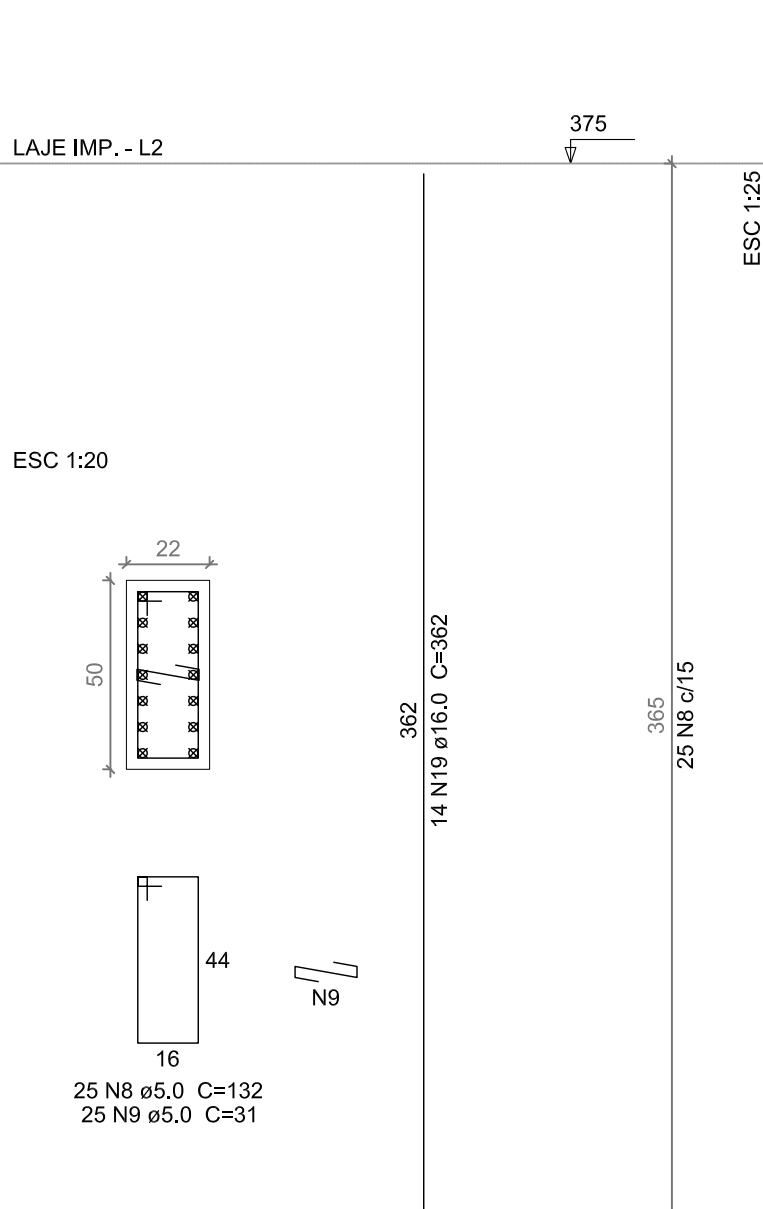
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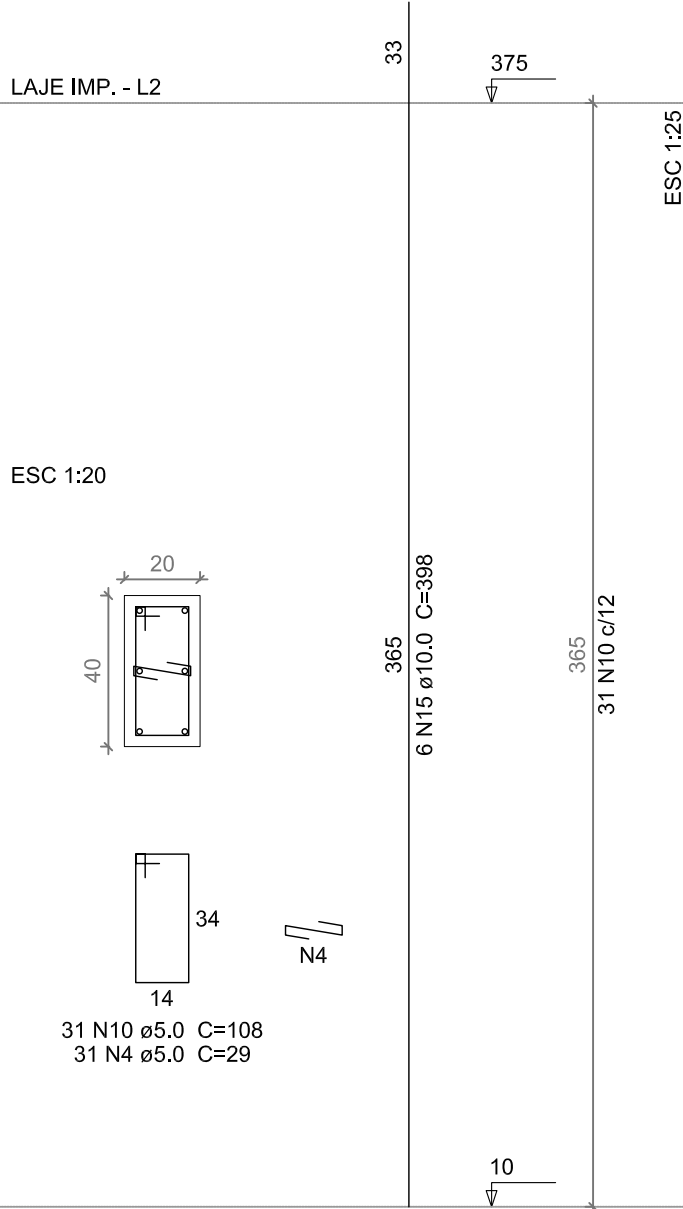
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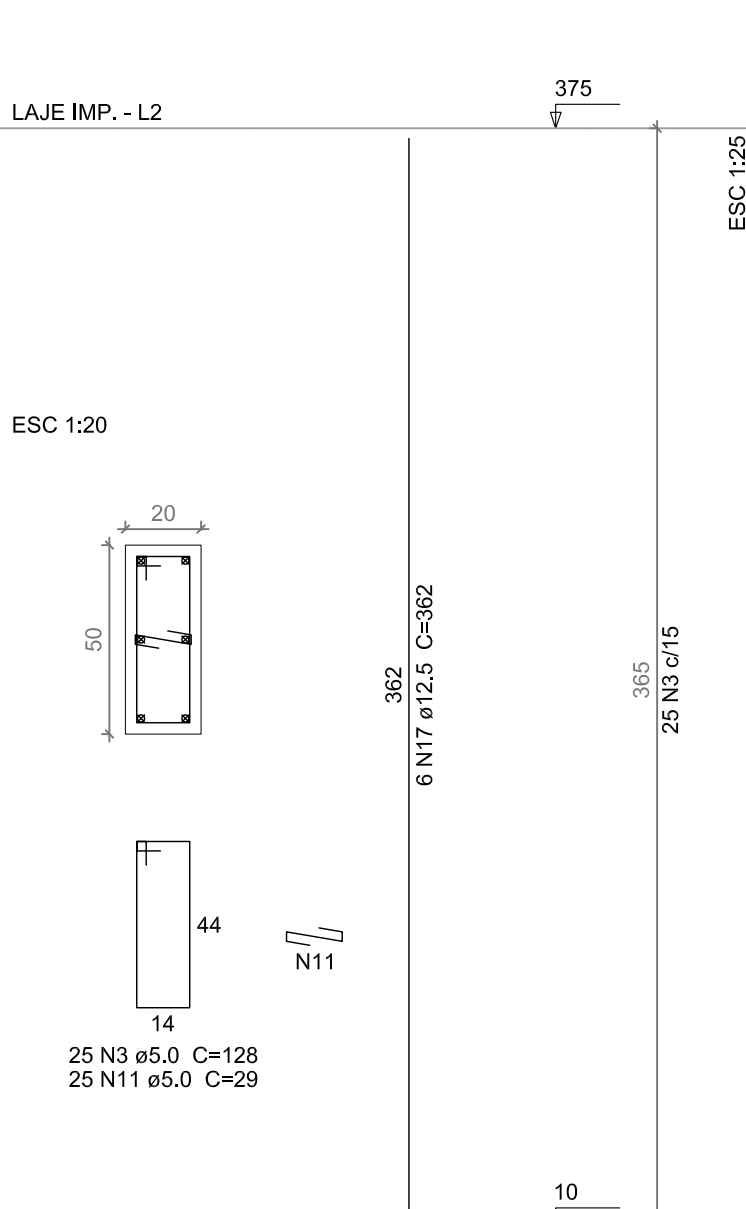
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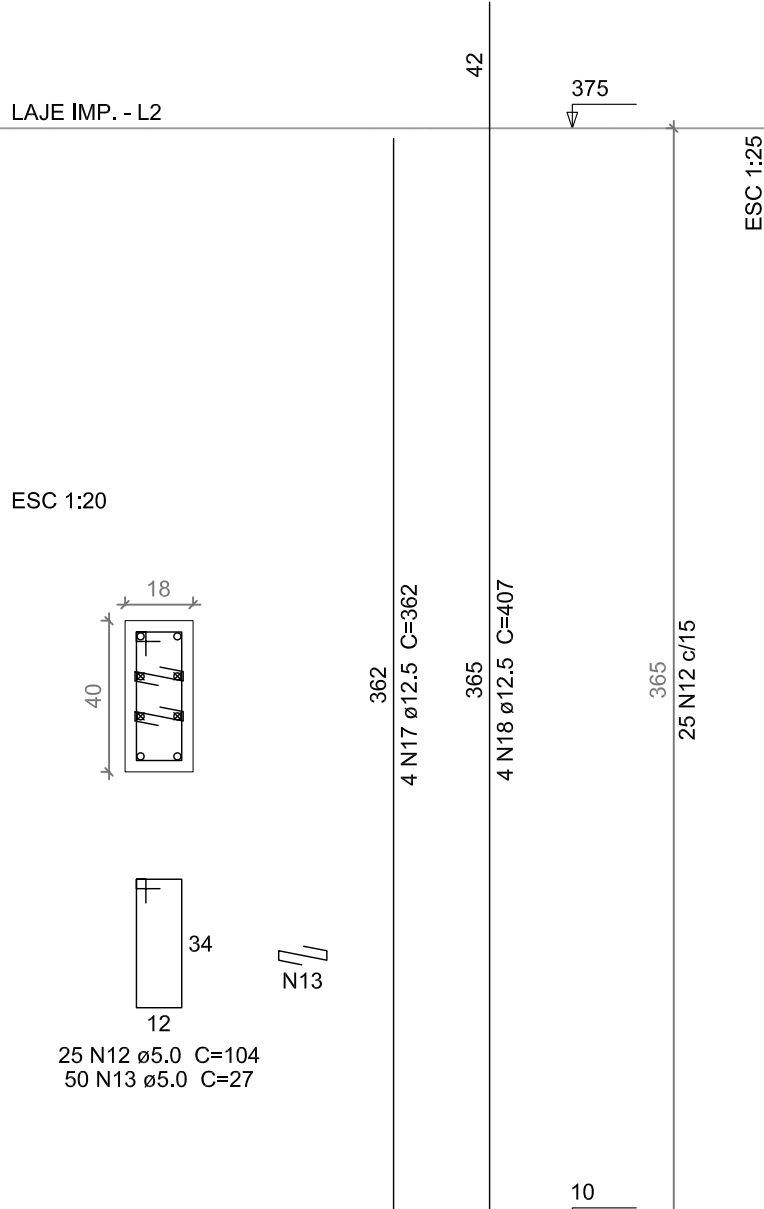
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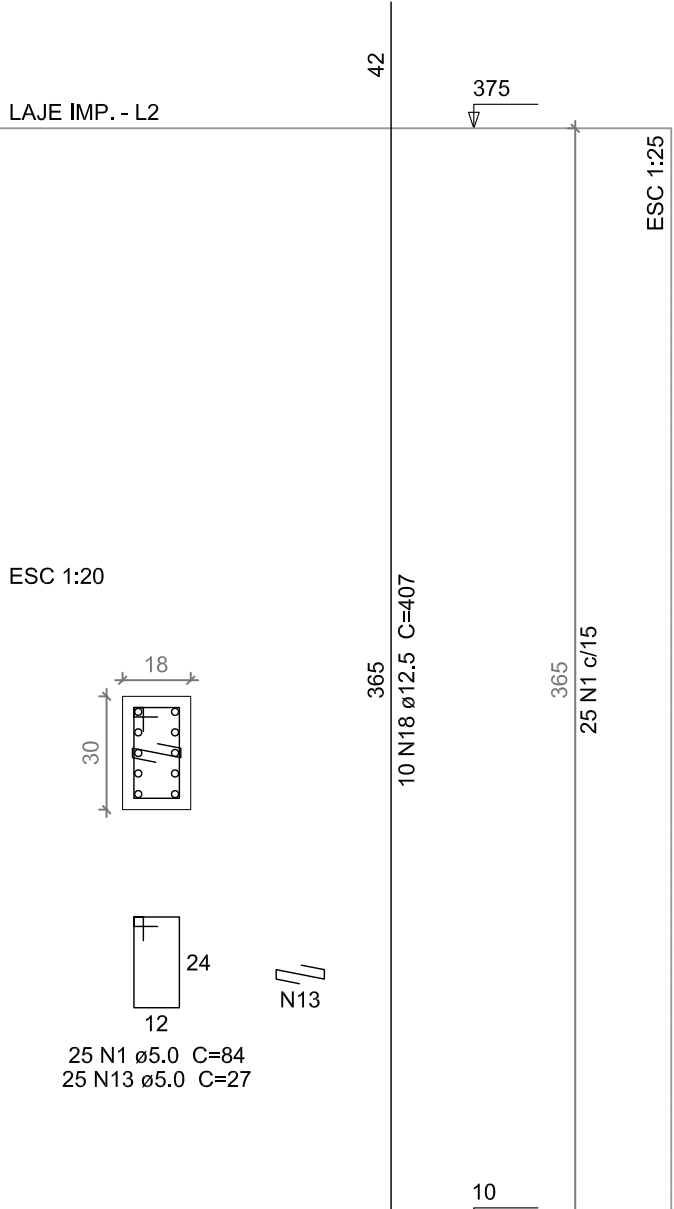
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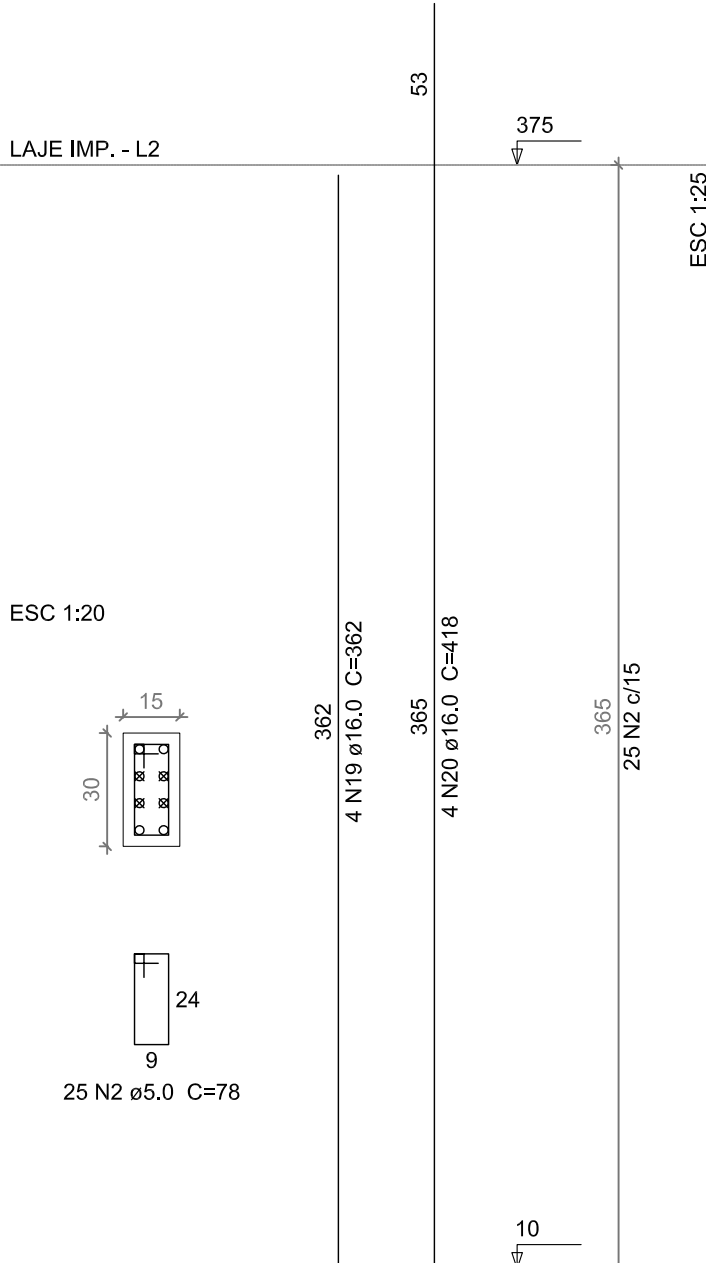
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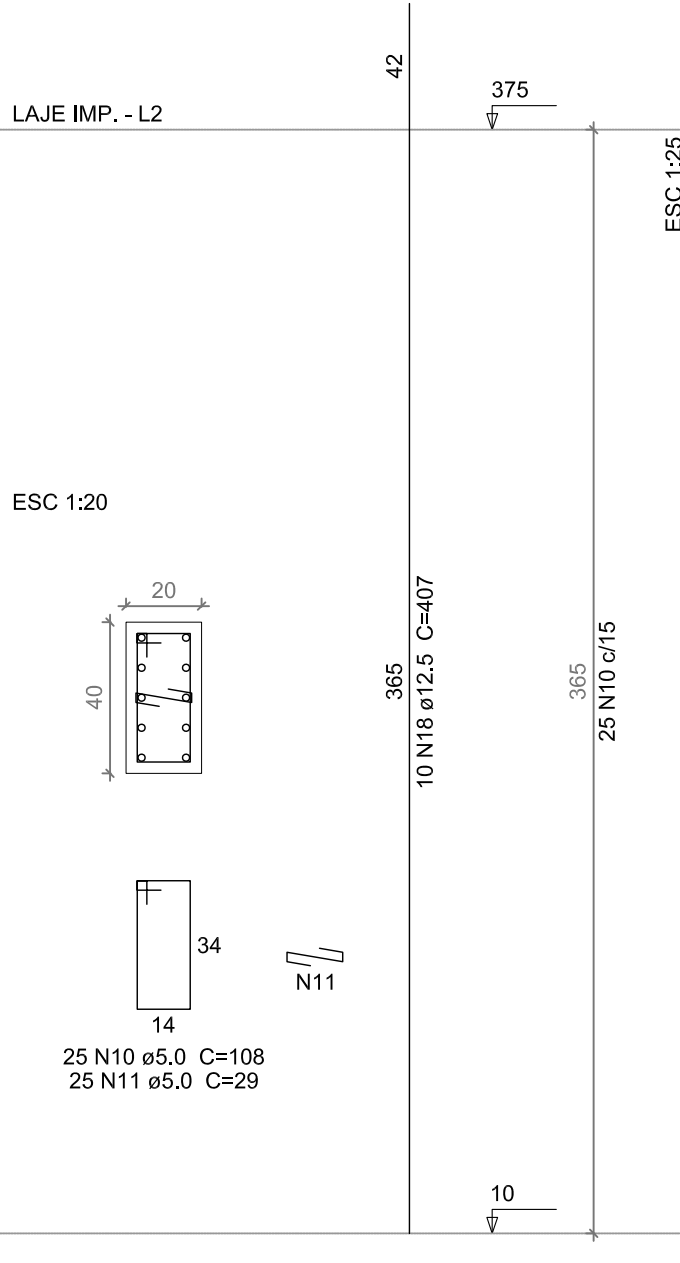
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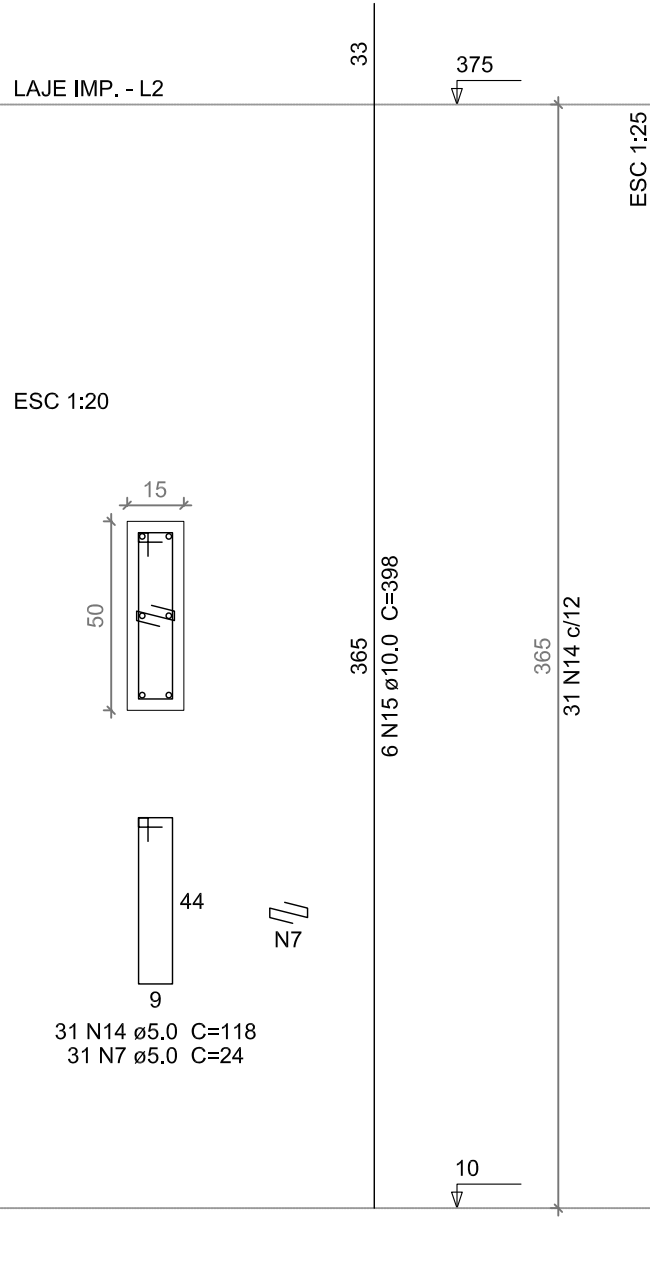
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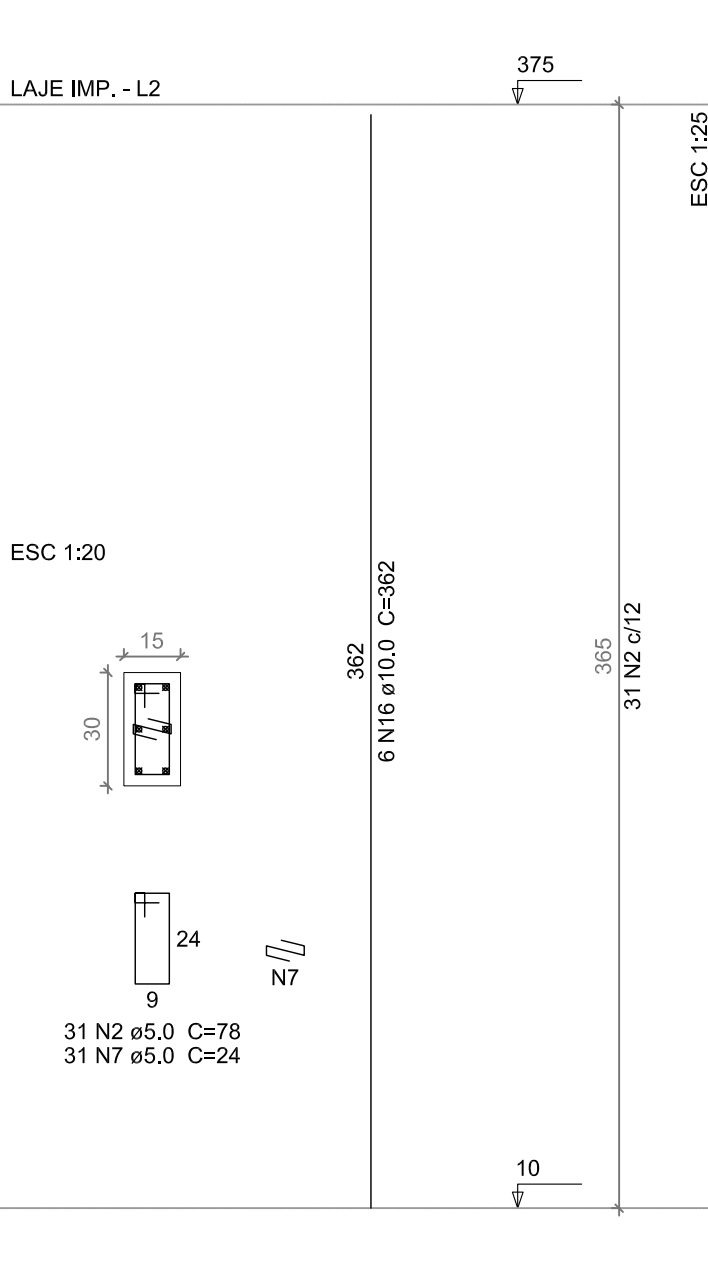
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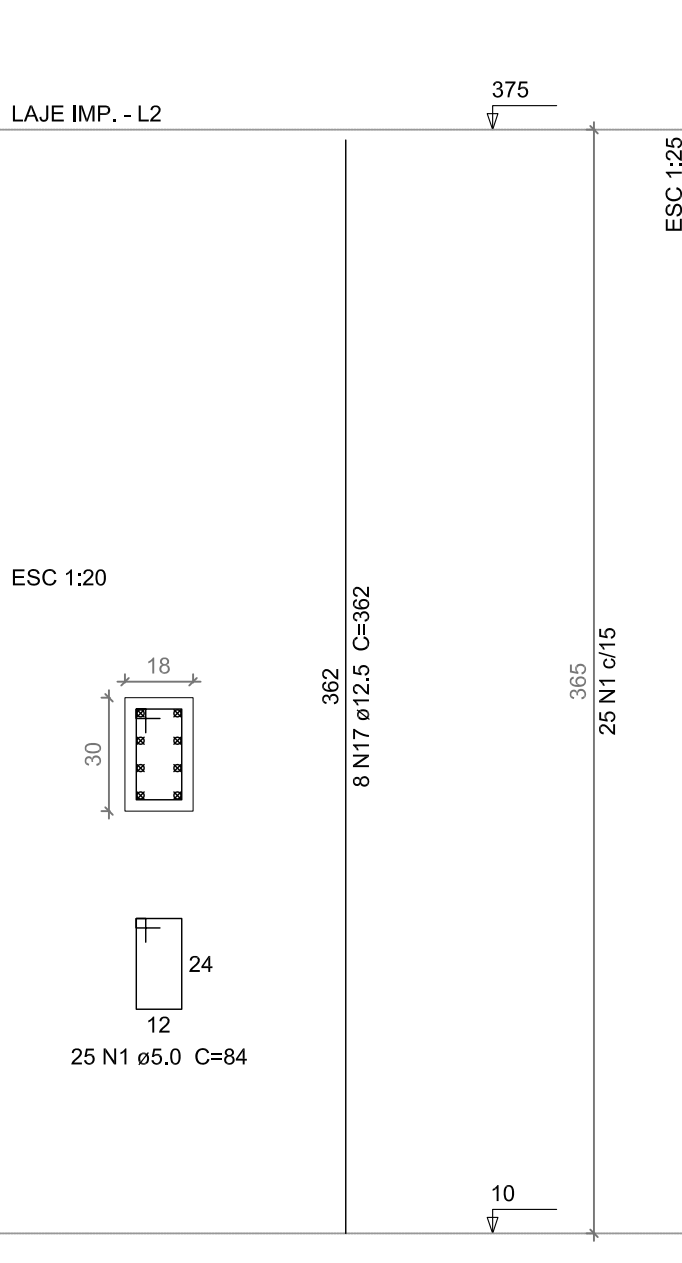
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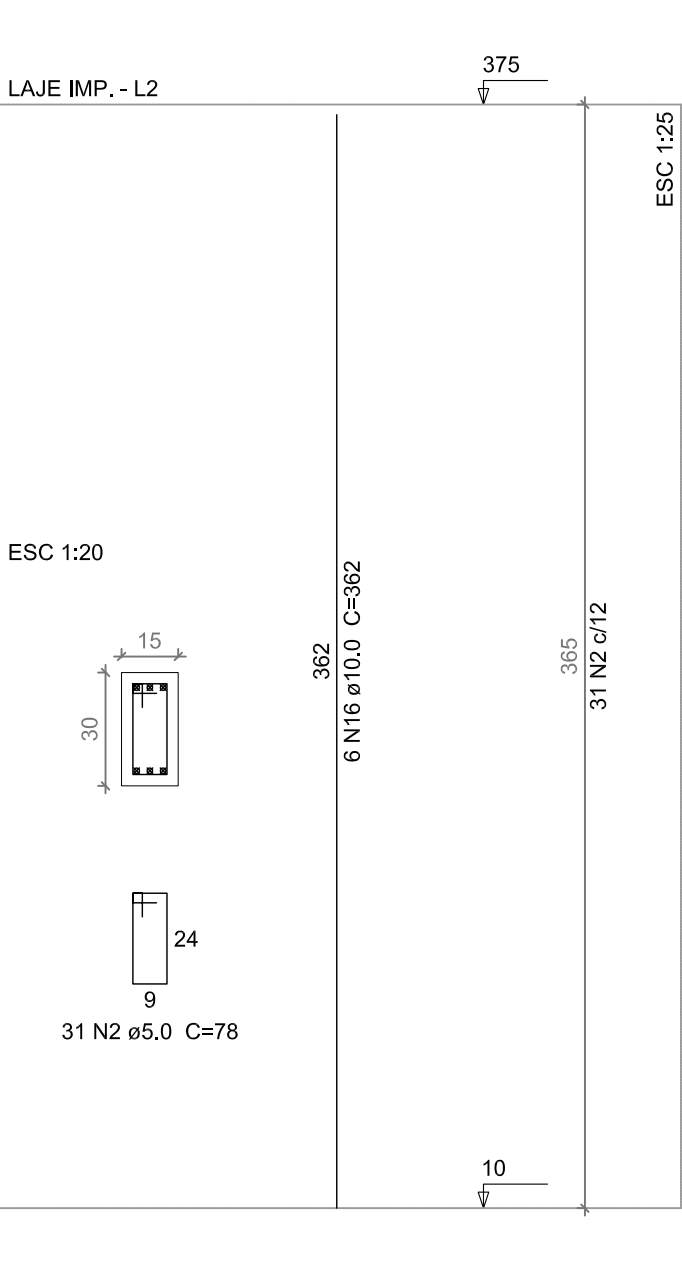
P27



P28



P29



Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barra)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	143	84	12012
	2	5.0	428	78	33384
	3	5.0	335	128	42880
	4	5.0	341	29	9889
	5	5.0	34	108	3672
	6	5.0	68	39	2652
	7	5.0	93	24	2232
	8	5.0	25	132	3300
	9	5.0	25	31	775
	10	5.0	56	108	6048
	11	5.0	50	29	1450
	12	5.0	25	104	2600
	13	5.0	75	27	2025
	14	5.0	31	118	3668
CA50	15	10.0	118	398	46964
	16	10.0	38	362	13756
	17	12.5	18	362	6516
	18	12.5	24	407	9768
	19	16.0	18	362	6516
	20	16.0	4	418	1672

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	607.2	411.8
	12.5	162.9	172.6
	16.0	81.9	142.2
CA60	5.0	1265.8	214.6
PESO TOTAL (kg)			
CA50		726.5	
CA60		214.6	

Volume de concreto (C-30) = 8,86 m³
Área de forma = 141,25 m²

Nº	ALTERAÇÃO/REVISÕES	REVISADO POR DATA
AUTOR DO PROJETO: Engº. Fredrico Damasceno Pinheiro CREA 270082778-3		
ENDEREÇO: Rua Dom José Thomaz, 194 - Bairro São José - Aracaju/SE dipop@ifs.edu.br		
INSTITUTO FEDERAL DE SERGIPE		
PROJETO ESTRUTURAL CAMPUS JAPARATUBA/SE		
CLIENTE: INSTITUTO FEDERAL DE SERGIPE - CAMPUS JAPARATUBA		
ENDEREÇO: ROD. DEP. REINALDO MOURA, S/N - JAPARATUBA/SE		ESCALA: 1:100
PLANTA: RESTAURANTE ARMAÇÃO DOS PILARES 1-2		DATA: MAIO/2025
PRANCHA: 08/16		
CAMPUS:	OPERAÇÃO:	ESPECIALIDADE:
JAP	CAM	EST
PE	008	016
RO1		