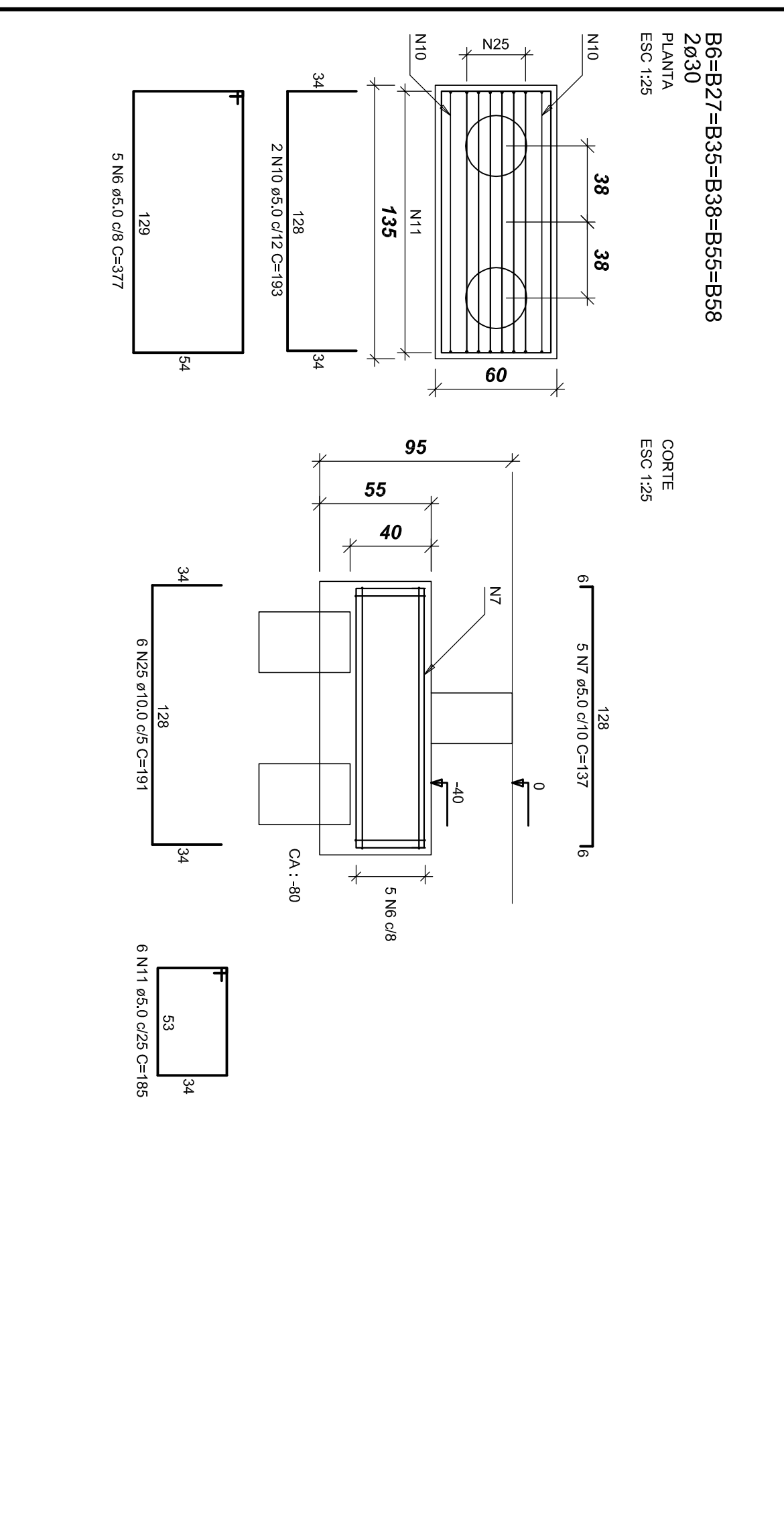
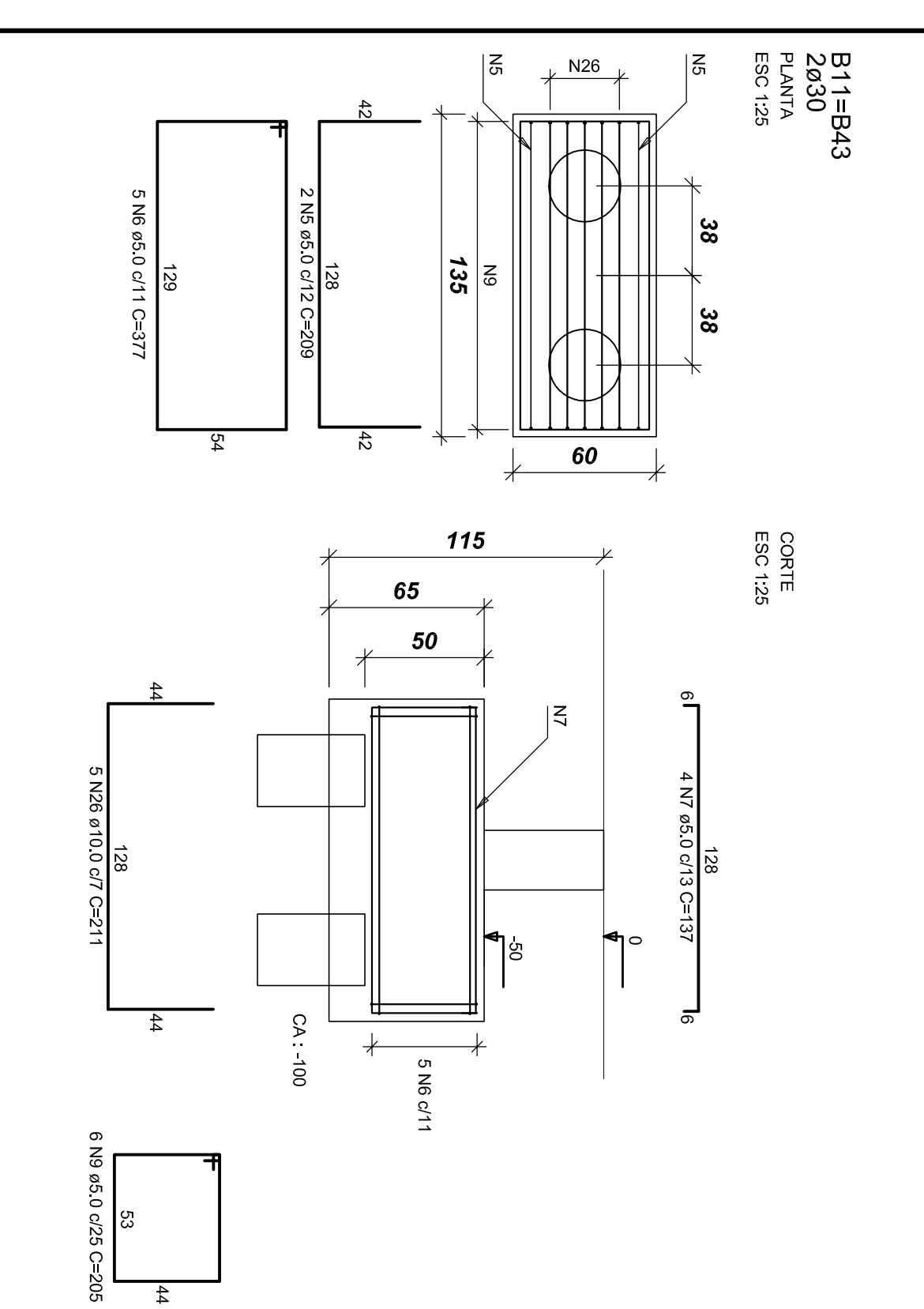
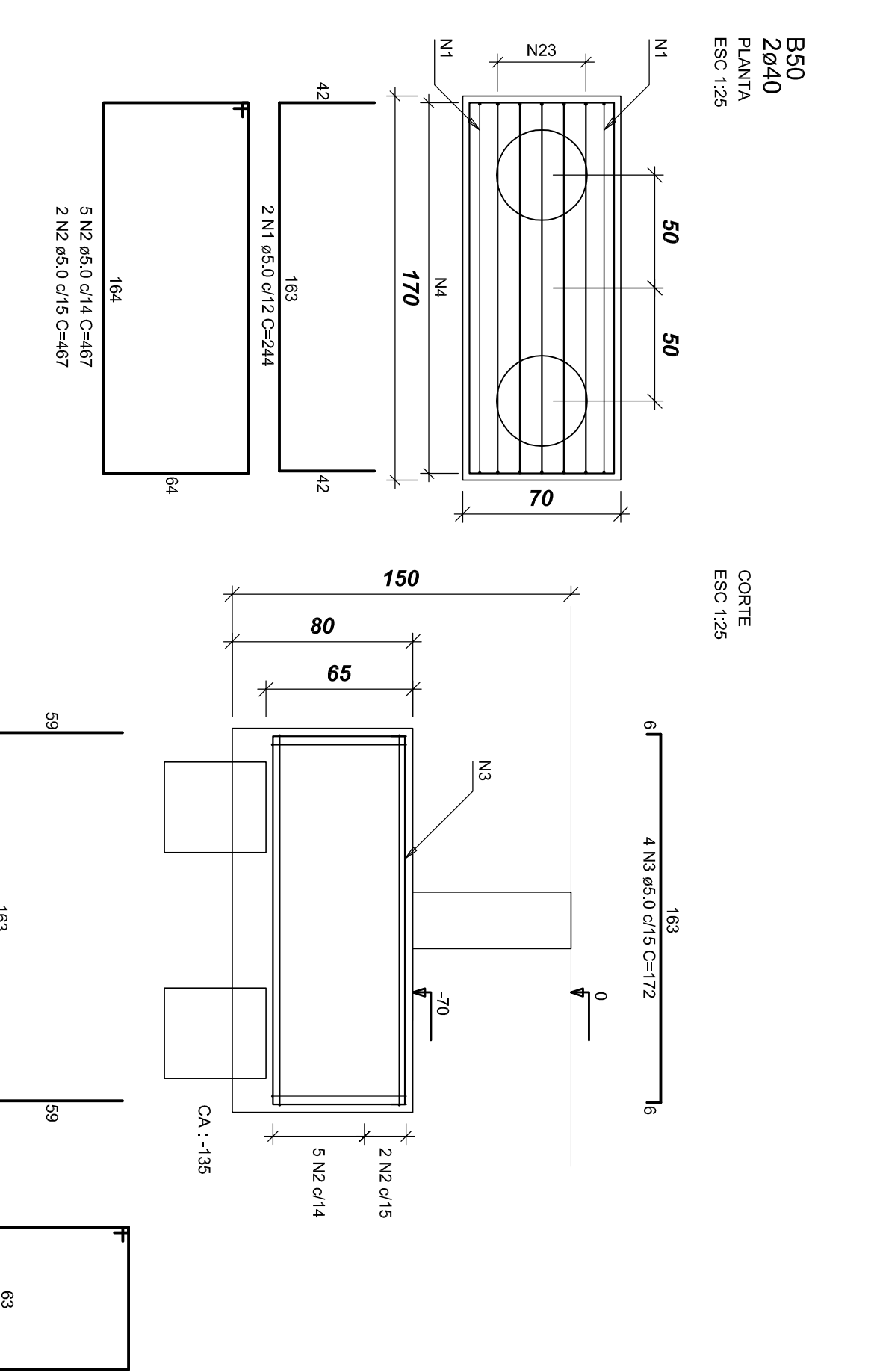
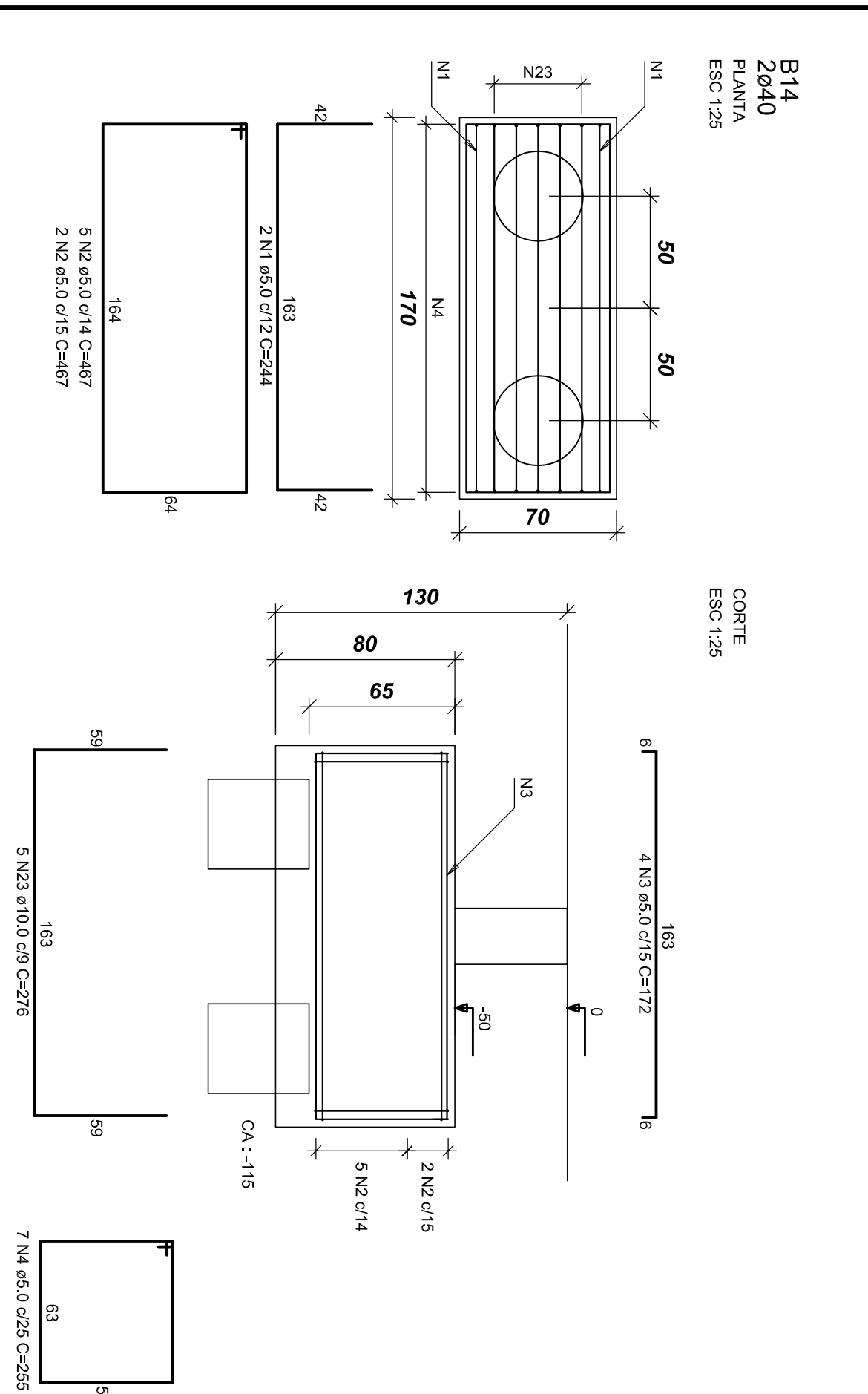
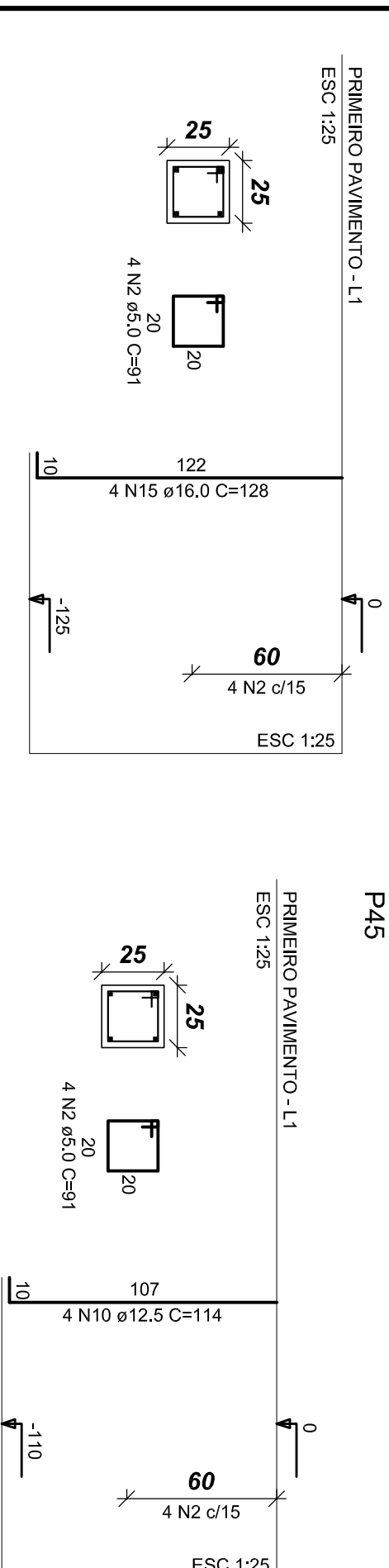
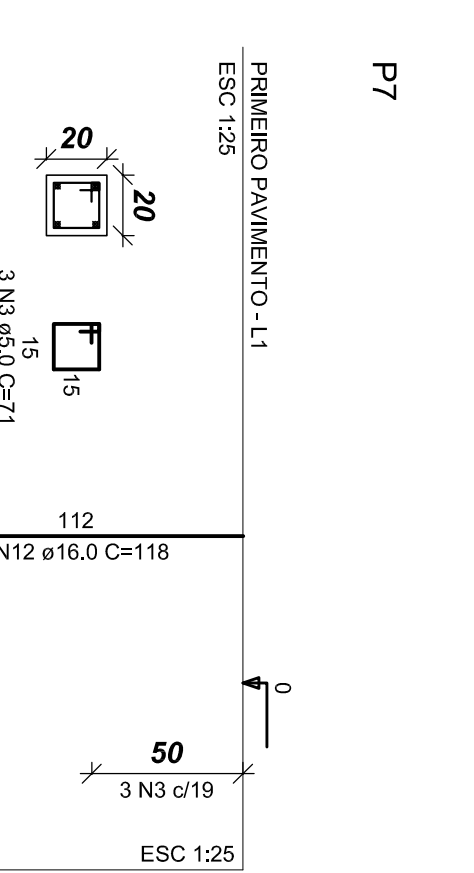
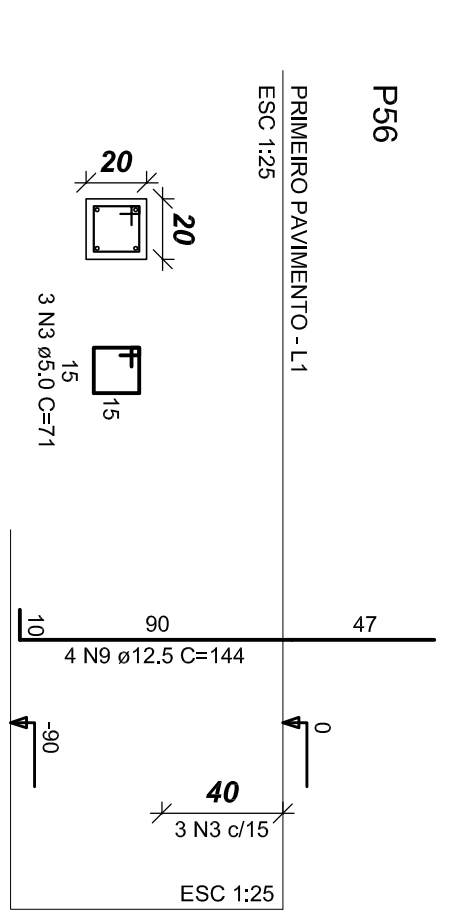
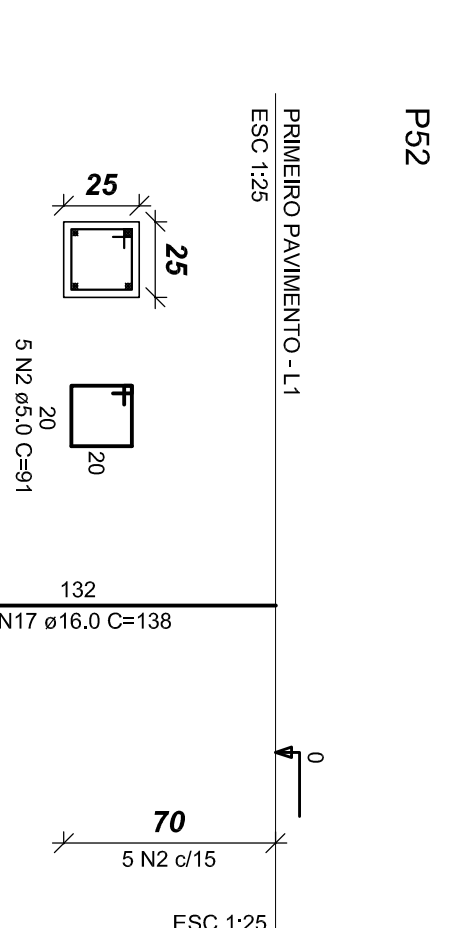
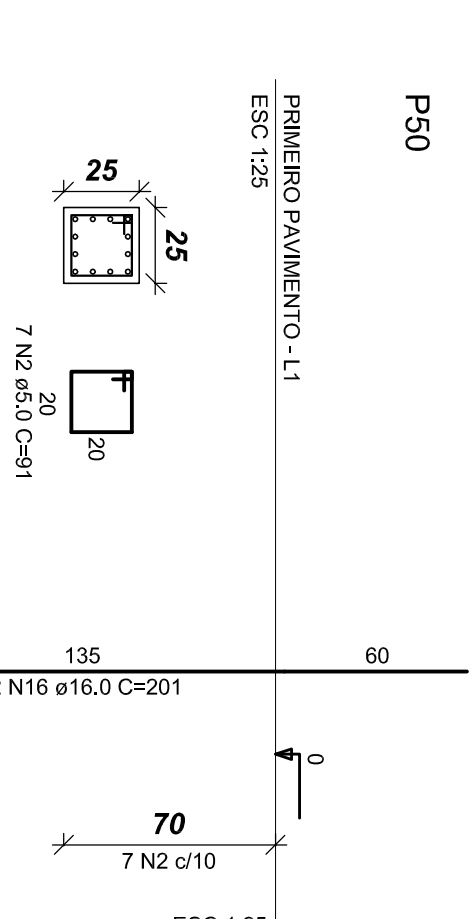
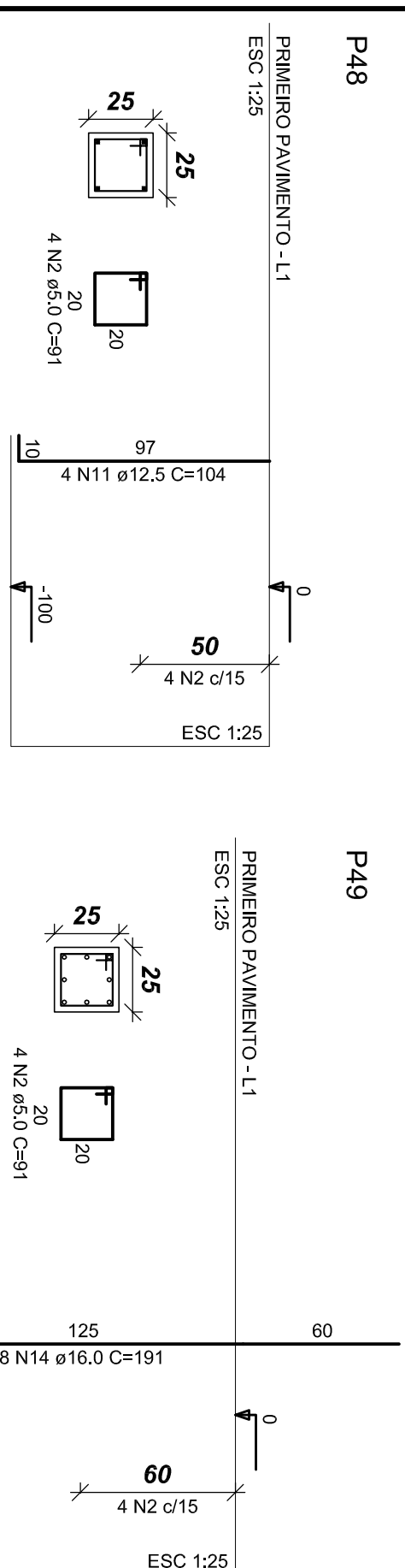
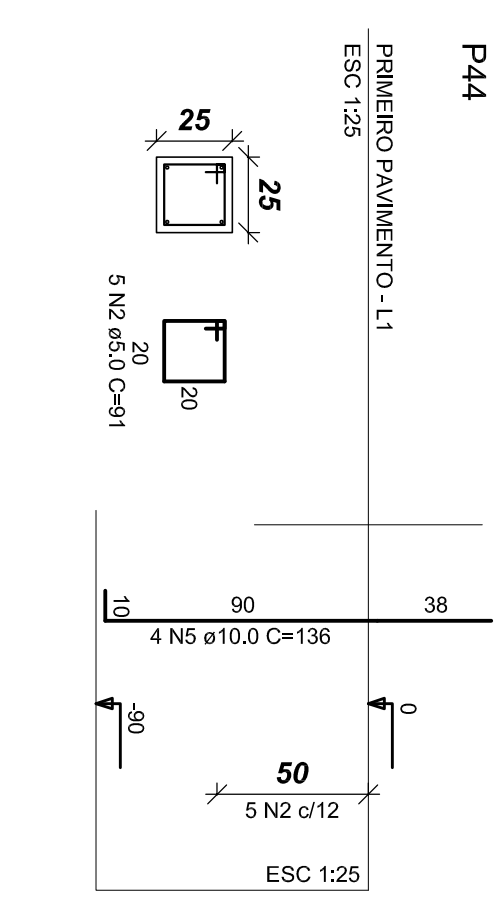
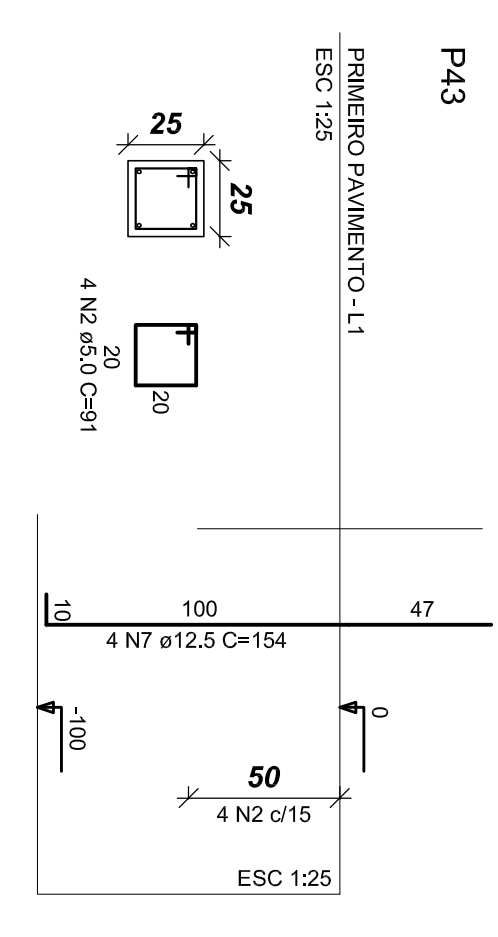
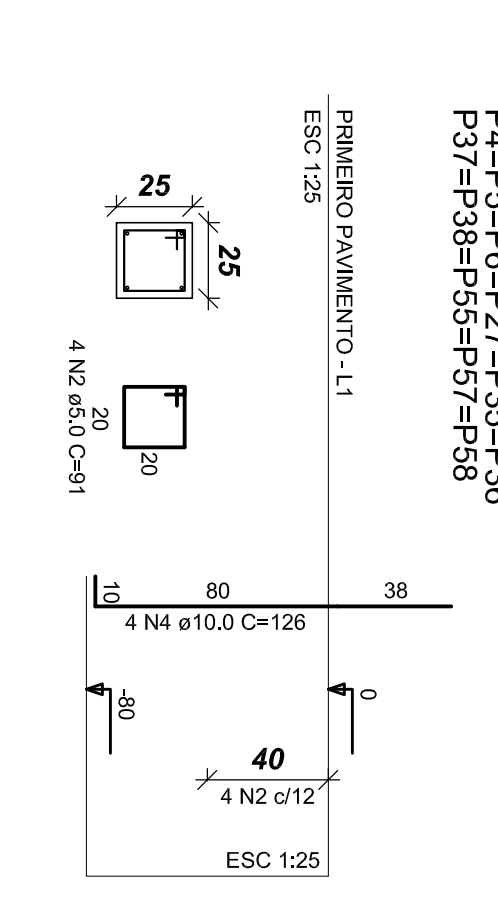
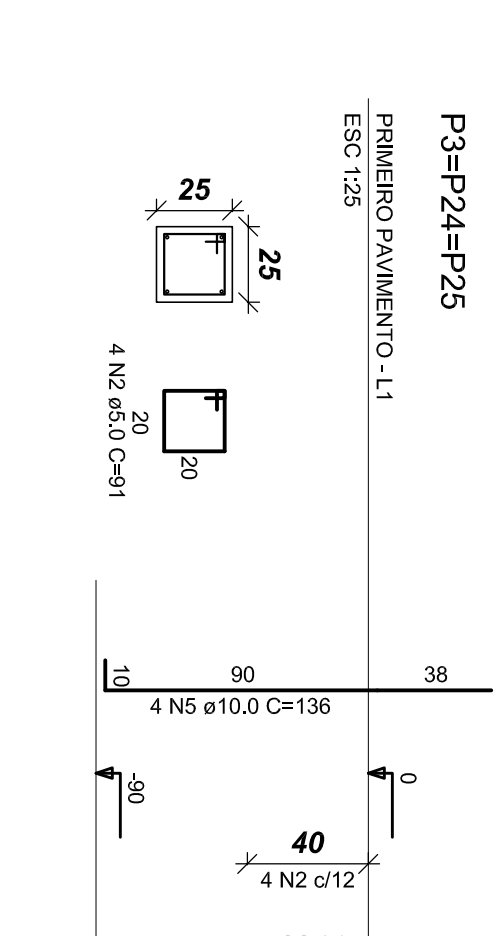
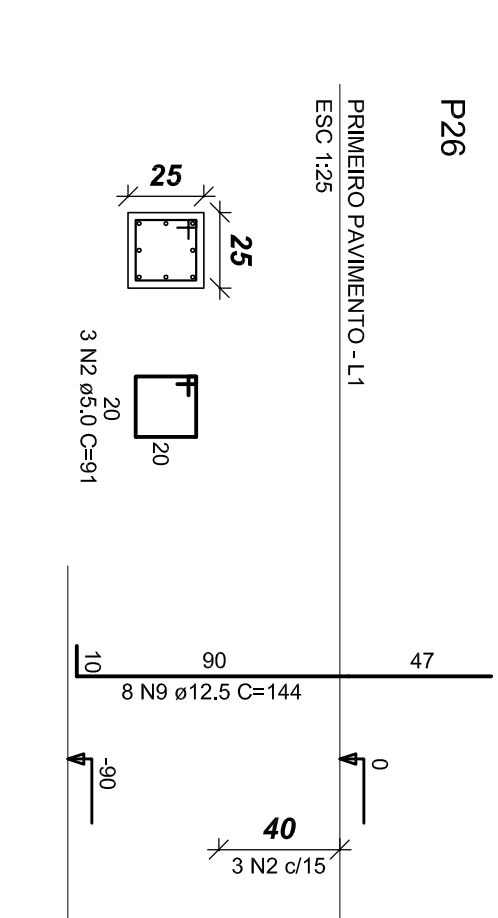
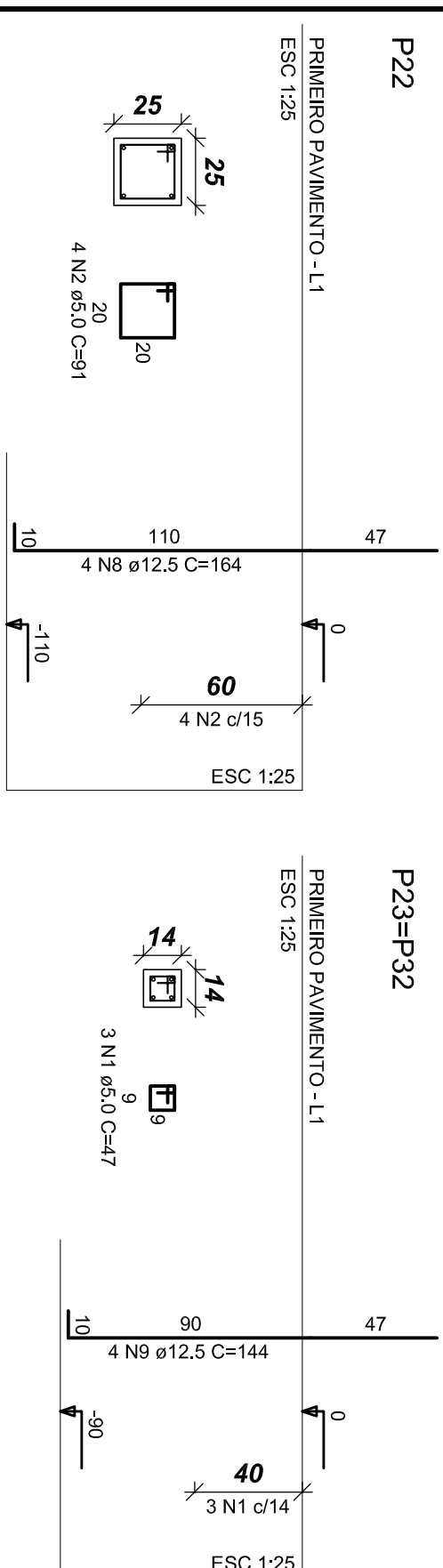
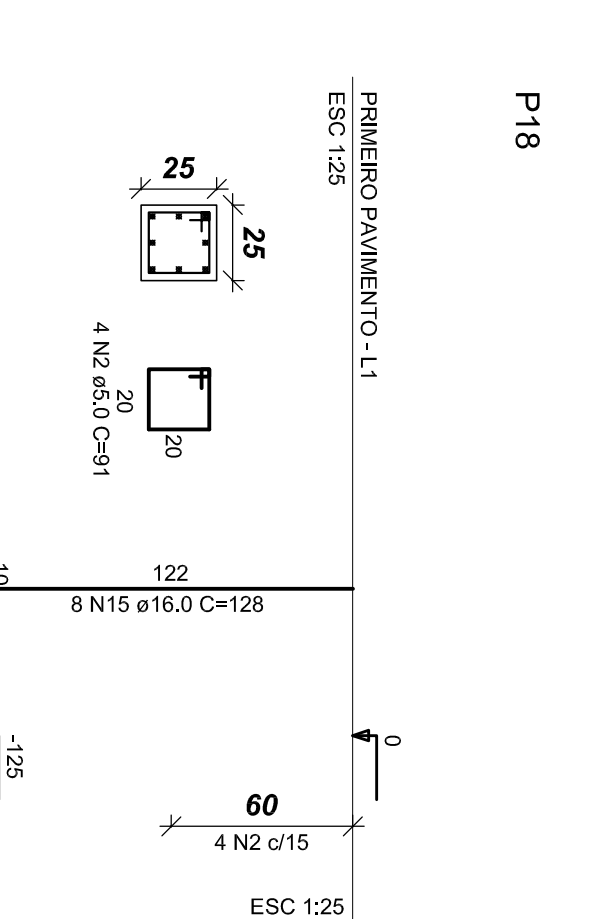
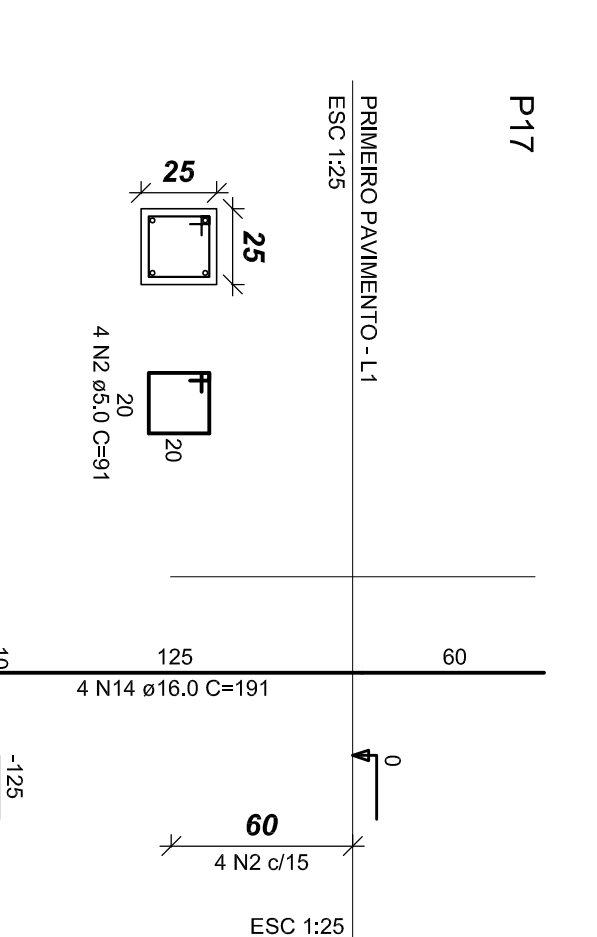
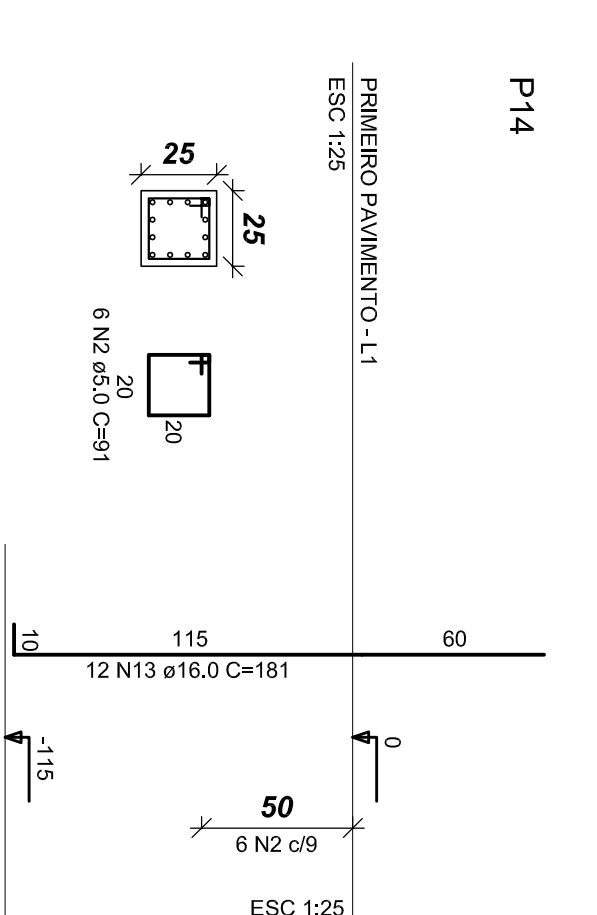
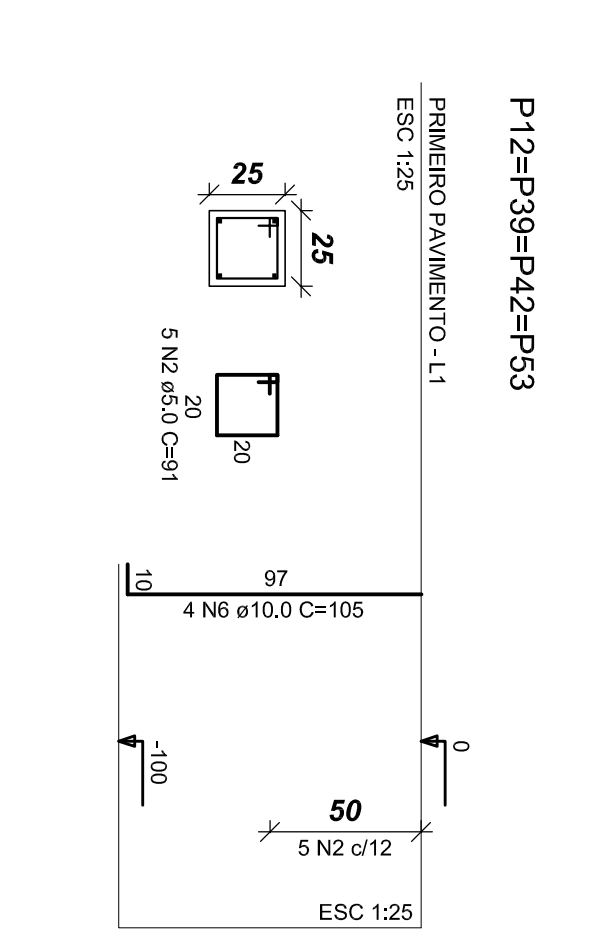
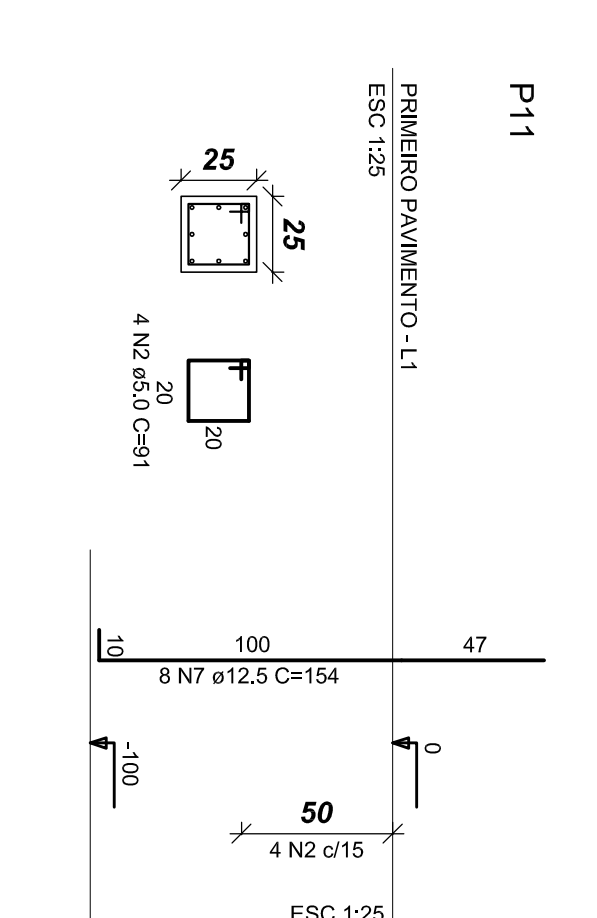
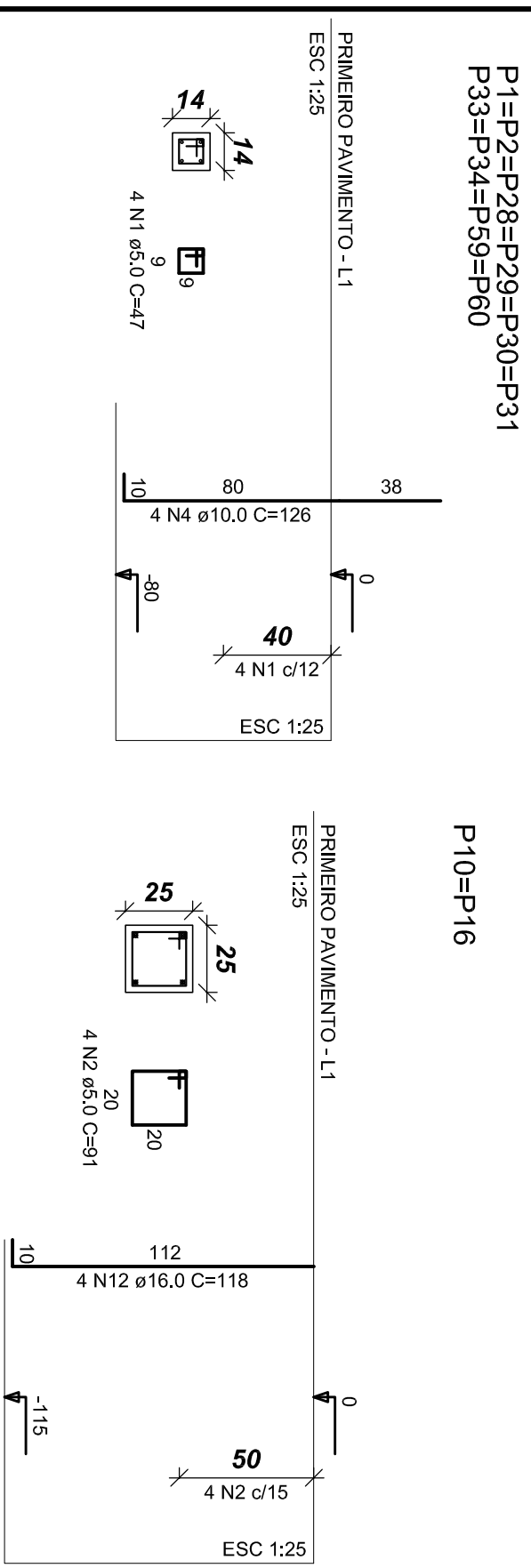
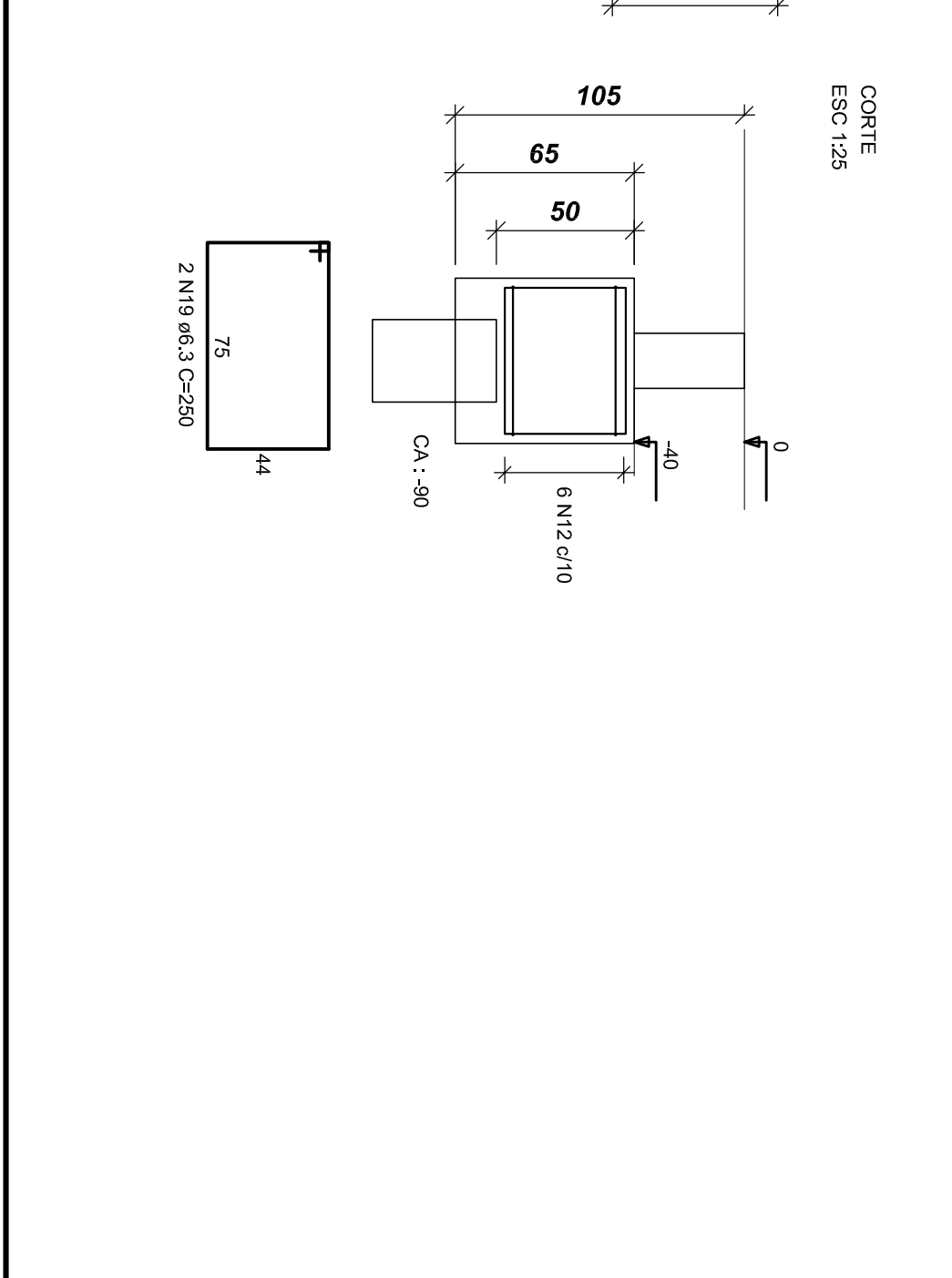
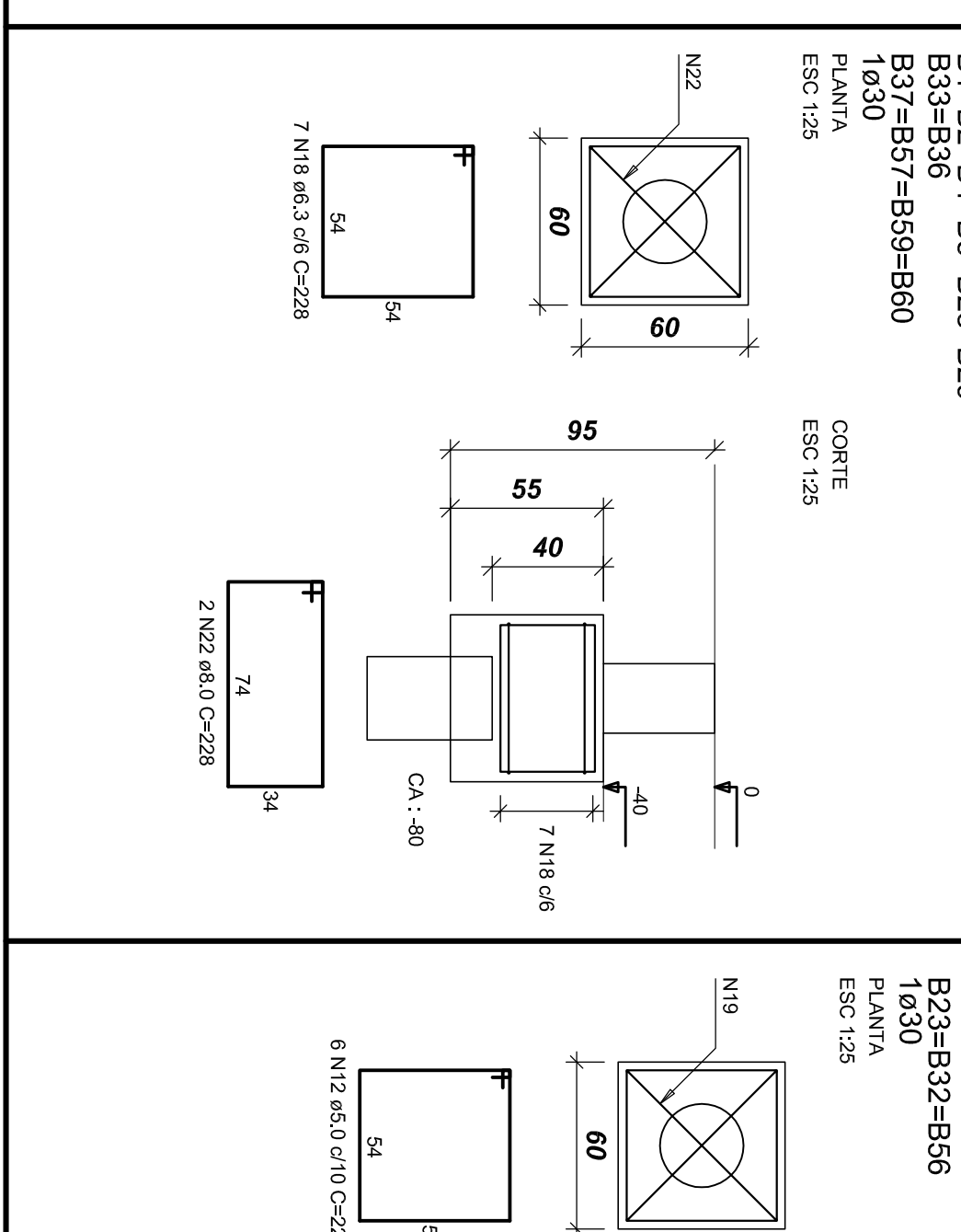
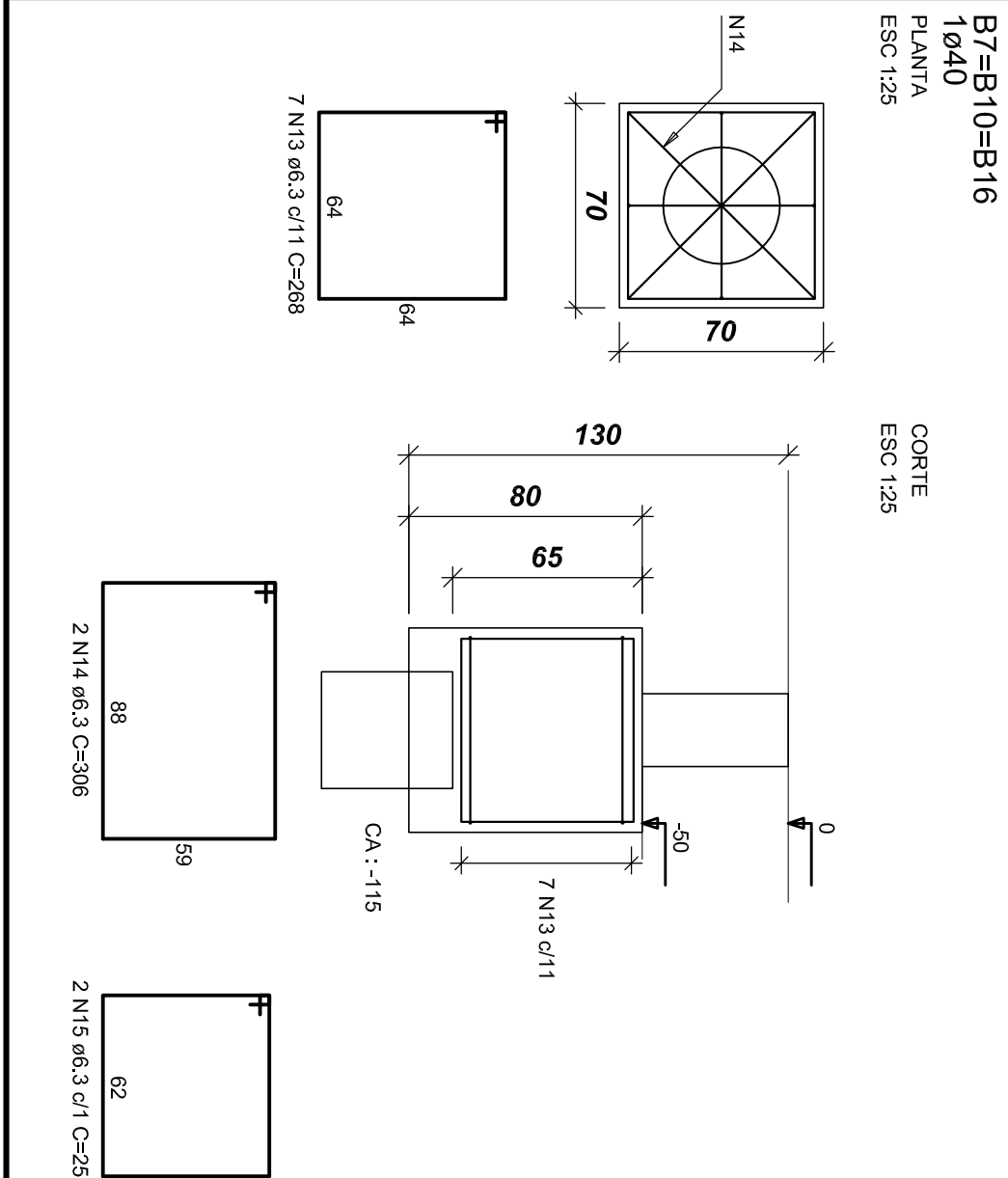
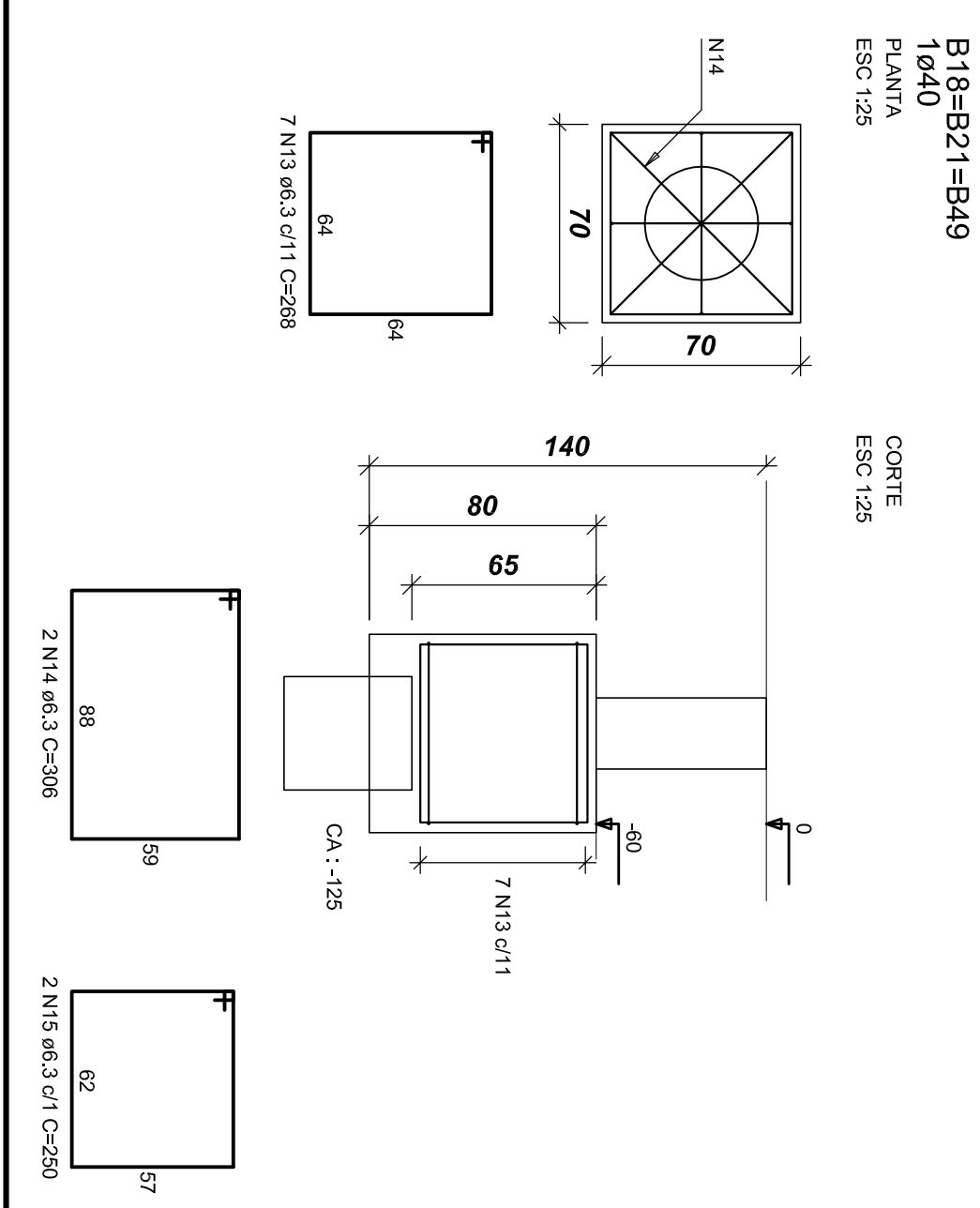
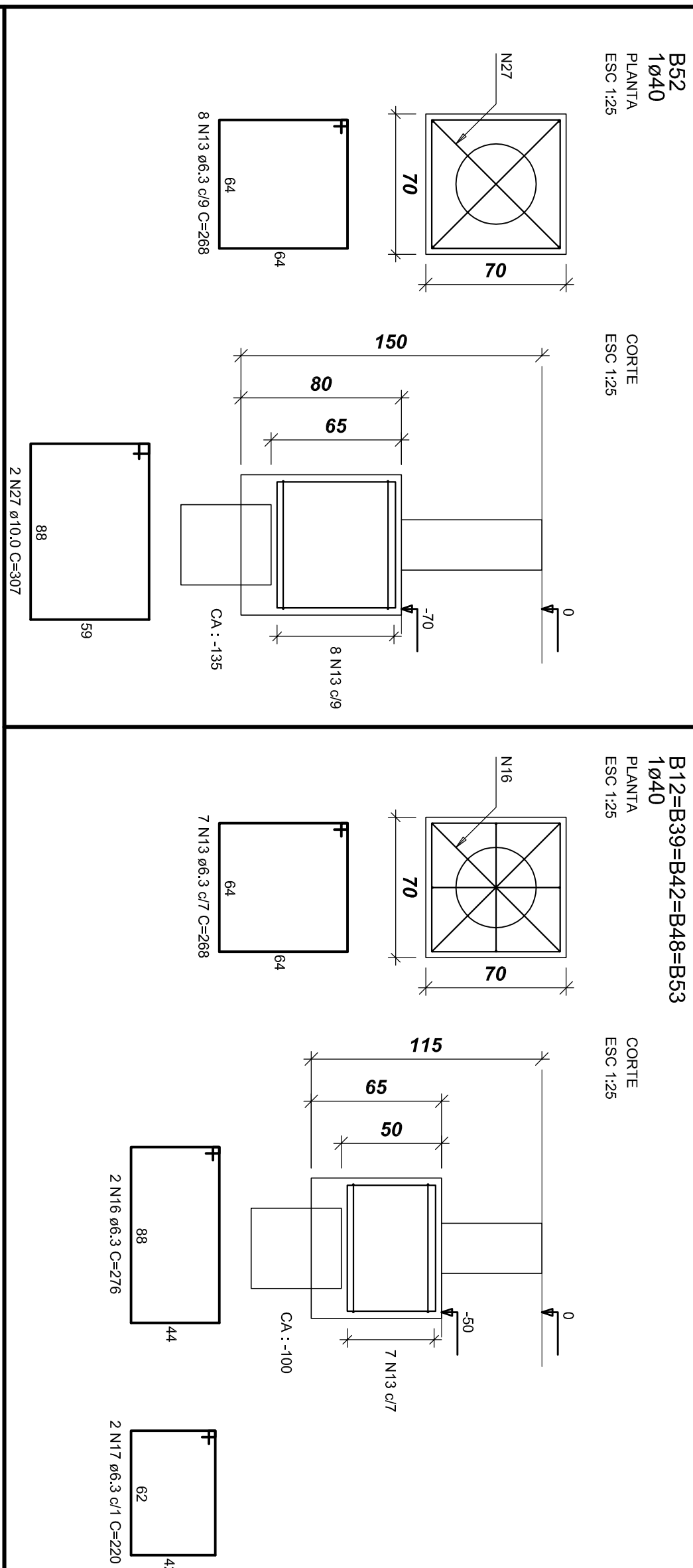
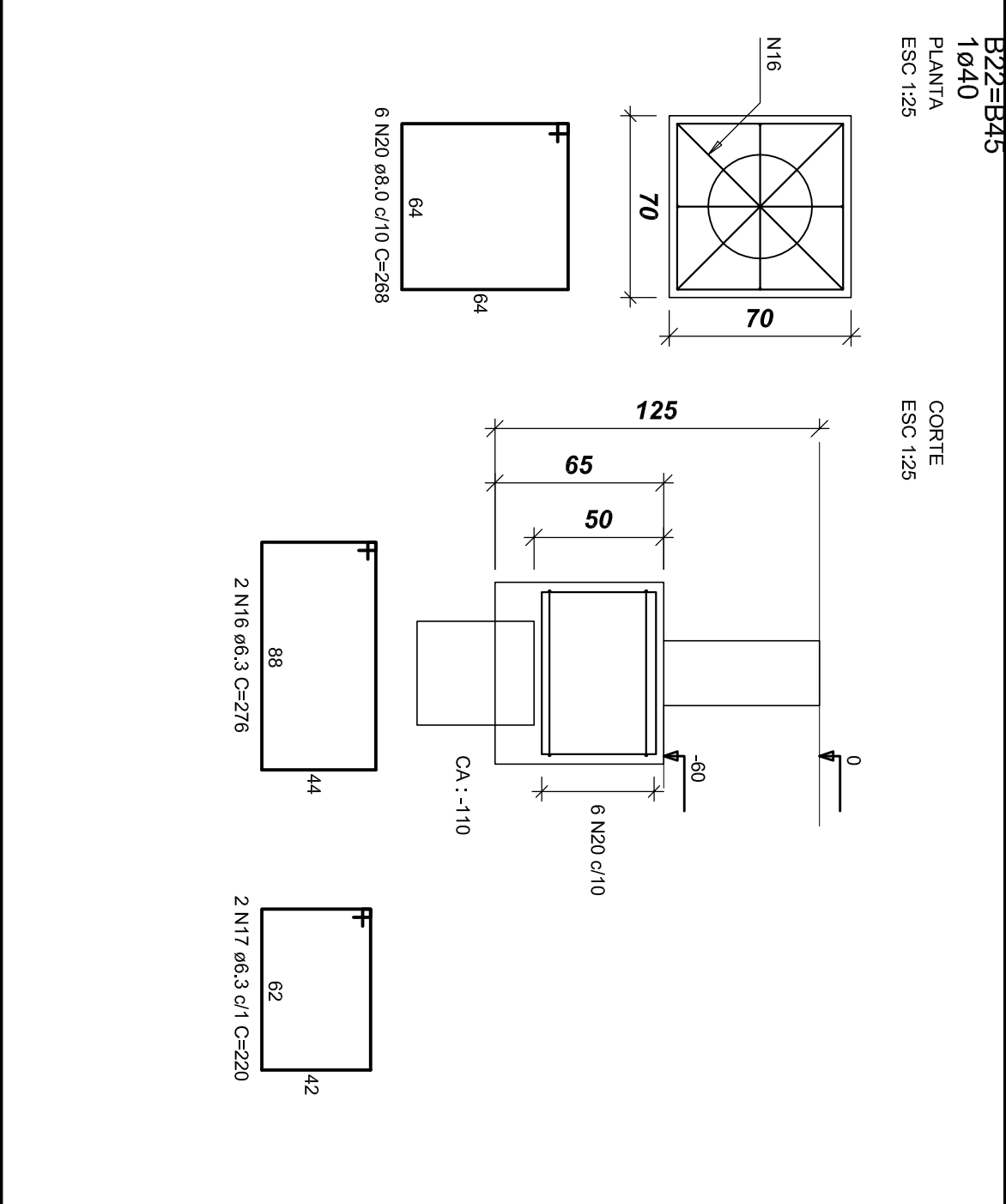
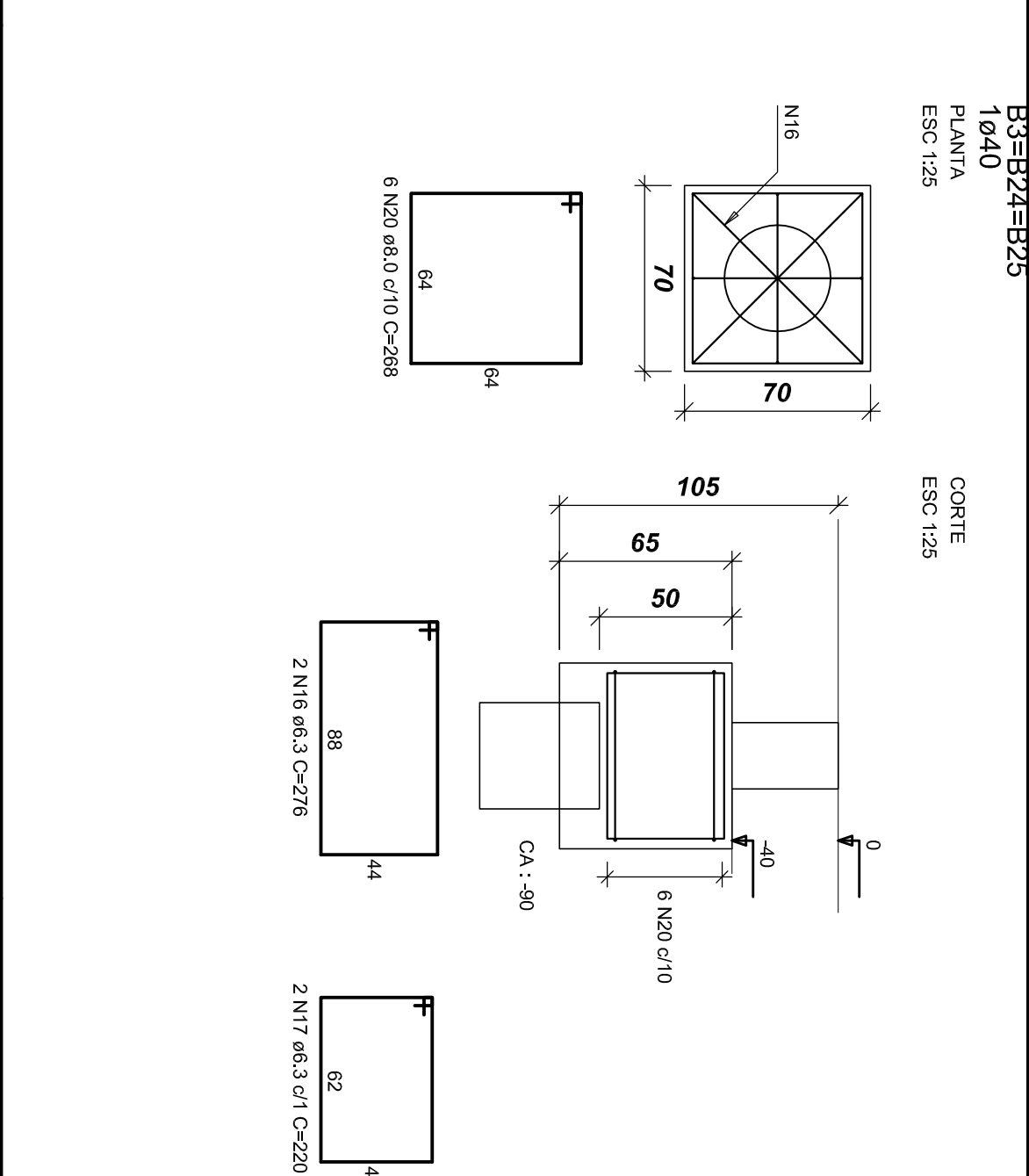
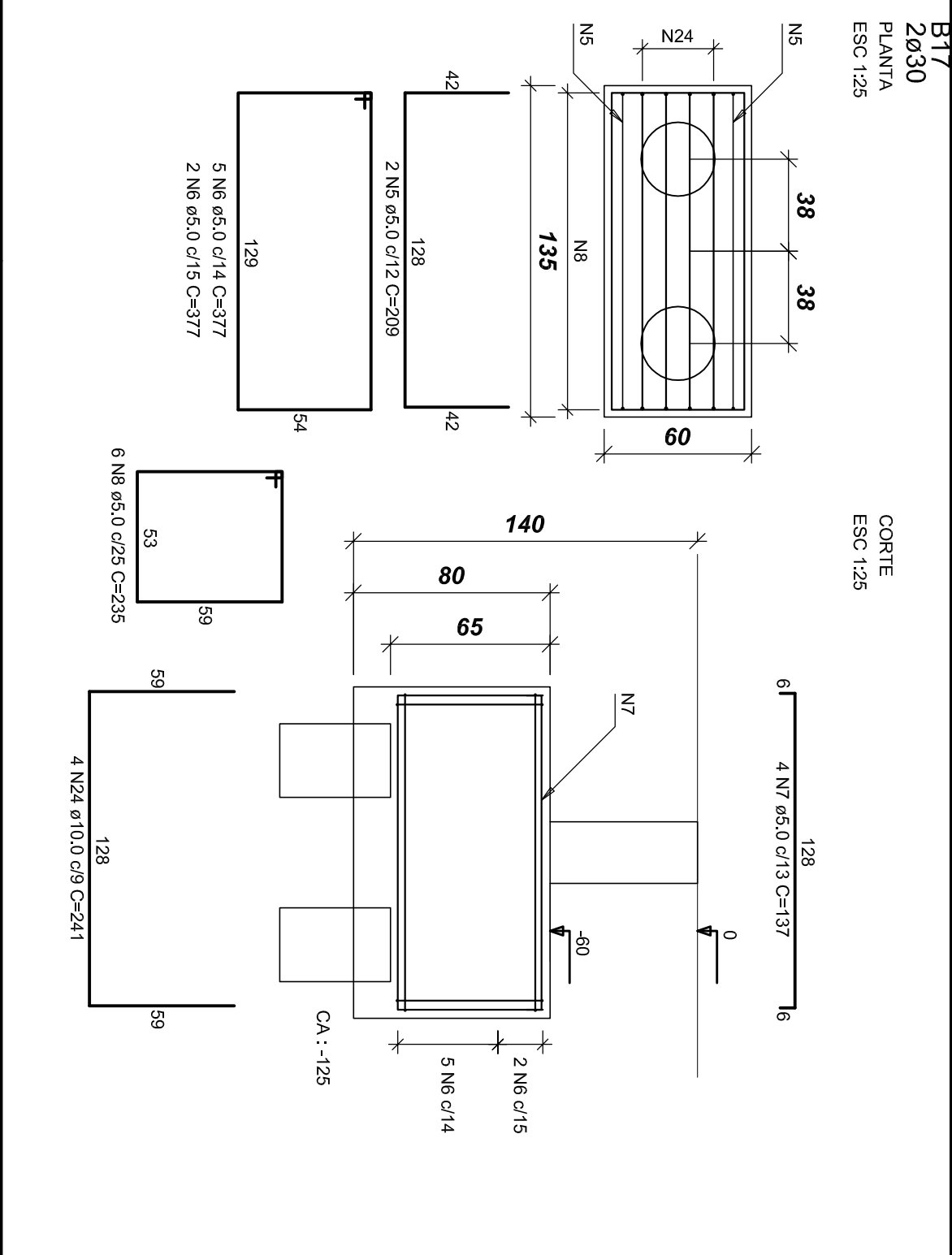
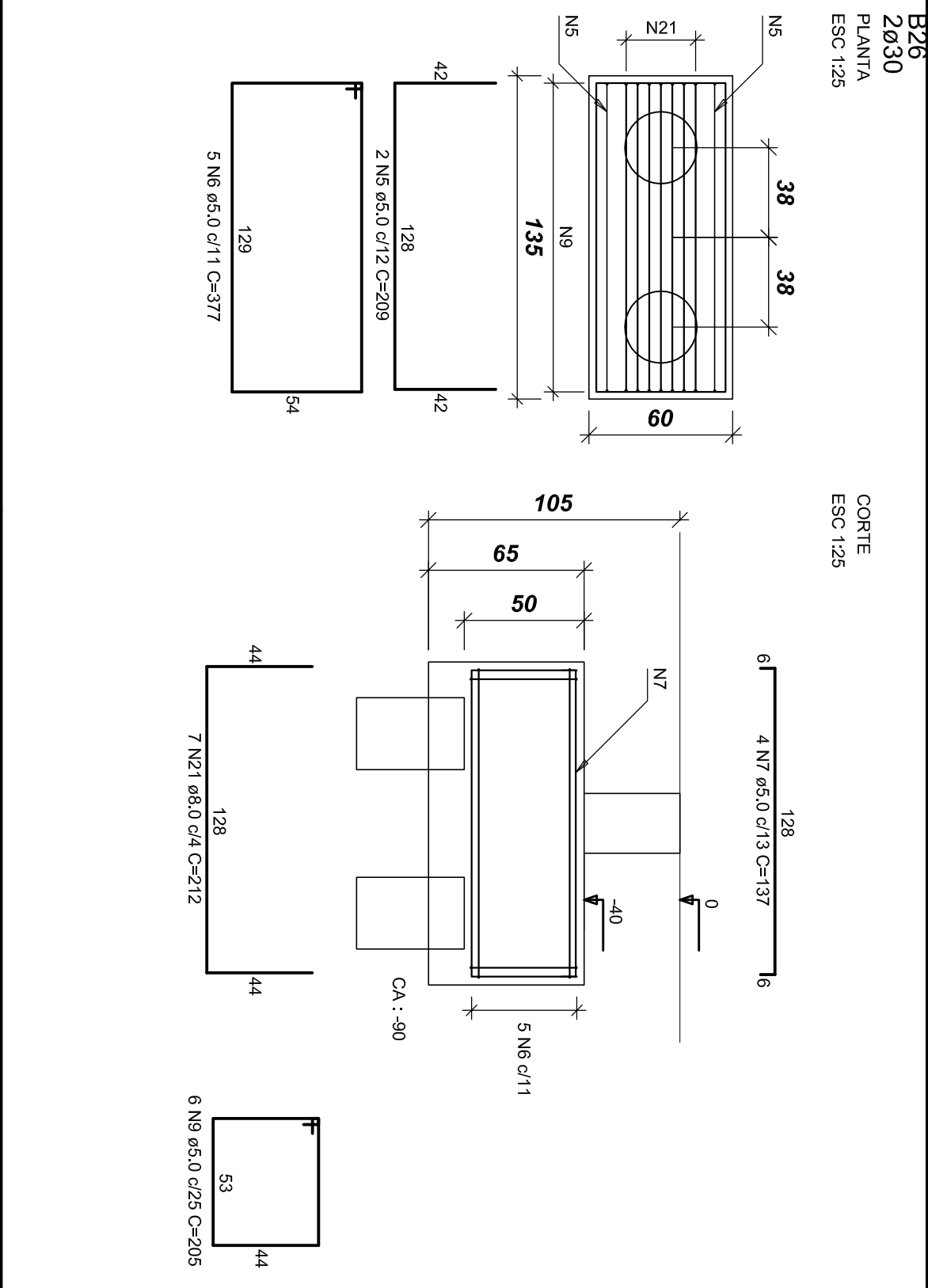
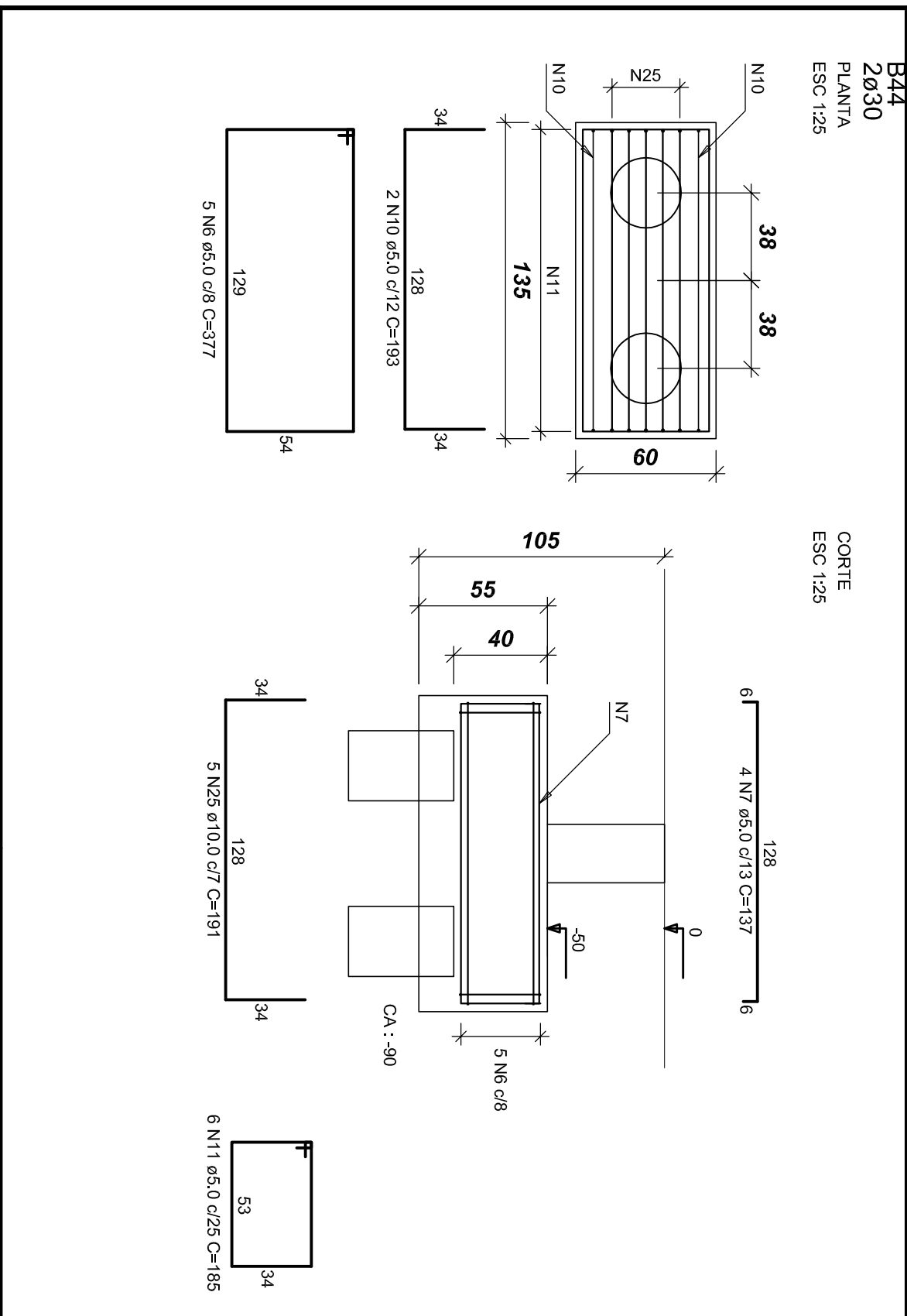




RELATIONSHIP OF DROPS					
A/O	N	DMM	Q	UNIT	C-TOTAL (cm)
60	1	5.0	1.4	467	6138
	2	5.0	1.4	467	6138
	3	5.0	1.4	467	6138
	4	5.0	1.4	467	6138
	5	5.0	1.4	467	6138
	6	5.0	1.4	467	6138
	7	5.0	1.4	467	6138
	8	5.0	1.4	467	6138
	9	5.0	1.4	467	6138
	10	5.0	1.4	467	6138
	11	5.0	1.4	467	6138
	12	5.0	1.4	467	6138
	13	5.0	1.4	467	6138
	14	5.0	1.4	467	6138
	15	5.0	1.4	467	6138
	16	5.0	1.4	467	6138
	17	5.0	1.4	467	6138
	18	5.0	1.4	467	6138
	19	5.0	1.4	467	6138
	20	5.0	1.4	467	6138
	21	5.0	1.4	467	6138
	22	5.0	1.4	467	6138
	23	5.0	1.4	467	6138
	24	5.0	1.4	467	6138
	25	5.0	1.4	467	6138
	26	5.0	1.4	467	6138
	27	5.0	1.4	467	6138
	28	5.0	1.4	467	6138
	29	5.0	1.4	467	6138
	30	5.0	1.4	467	6138
	31	5.0	1.4	467	6138
	32	5.0	1.4	467	6138
	33	5.0	1.4	467	6138
	34	5.0	1.4	467	6138
	35	5.0	1.4	467	6138
	36	5.0	1.4	467	6138
	37	5.0	1.4	467	6138
	38	5.0	1.4	467	6138
	39	5.0	1.4	467	6138
	40	5.0	1.4	467	6138
	41	5.0	1.4	467	6138
	42	5.0	1.4	467	6138
	43	5.0	1.4	467	6138
	44	5.0	1.4	467	6138
	45	5.0	1.4	467	6138
	46	5.0	1.4	467	6138
	47	5.0	1.4	467	6138
	48	5.0	1.4	467	6138
	49	5.0	1.4	467	6138
	50	5.0	1.4	467	6138

AQO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6,3	647,6	174,6
	8,0	163,4	71,0
CA60	10,0	143,1	97,1
	5,0	622,5	105,4
PESO TOTAL			
CA50	342,7		
CA60	105,4		

Vol. de concreto total (C-20) = 16.03 m³
Área de forma total = 91.78 m²



AOQ	N	DMM	Q	UNIT (cm)	C-TOTAL
50	1	5.0	46	47	2162
	2	5.0	148	91	13266
	3	5.0	64	71	426
	4	5.0	96	136	1224
	5	10.0	64	136	1224
	6	10.0	16	1005	1680
	7	12.5	12	154	1848
	8	12.5	4	164	856
	9	12.5	23	114	256
	10	12.5	4	114	256
	11	12.5	4	104	416
	12	16.0	12	118	1418
	13	16.0	12	181	2172
	14	16.0	12	128	1536
	15	16.0	12	128	1536
	16	16.0	4	201	2412
	17	16.0	4	138	552

RESUMO DO APO

AQO	DMM	C.TOTAL (m)	PESO+10% (kg)
CASO	10.0	144.1	97.7
	12.5	62.6	66.4
	16.0	104.0	180.6
CASO	5.0	159.7	27.1

PESO TOTAL	
CA50	344,9
CA60	27,1

Vol. de concreto total (C-25) = 2.38 m³
Área de forma total = 40.78 m²

UF	BR/2017/013	PROJETO ESTRUTURAL
DISCIPLINA	PROJETO DE ARQUITETURA	
PROFESSOR	PROFESSOR DA DISCIPLINA	
ALUNO	ALUNO DO TRABALHO DE GRADUAÇÃO	
ASSINATURA DO ALUNO	ASSINATURA DO PROFESSOR	
DATA	DATA	



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AMPLIAÇÃO ENGENHARIAS

CAMPUS TEFILIO OTONI

PROFESSOR

UNIVERSIDADE FEDERAL DOS VALES

DO AÇODONTOINHA E MACHIN

SERVIÇO

6.500,00 X 5.000,00 X 1,57

PROJETO

FERRAGENS DOS BLOCOS

ESPERA DOS PILARES

ALUNO

CARLOS HENRIQUE DE SOUZA GONÇALVES

CPF: 799297-79

ESCALA

1:100

DATA

02/07/2013

ASSINATURA DO ALUNO

02/411

ASSINATURA DO PROFESSOR

02/411