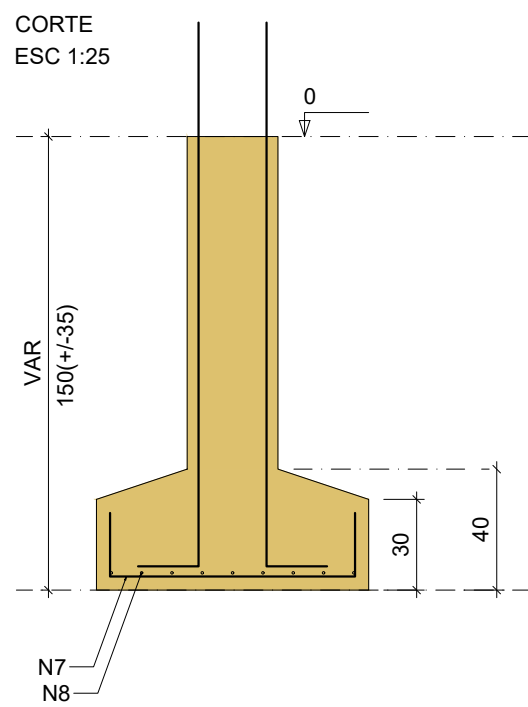
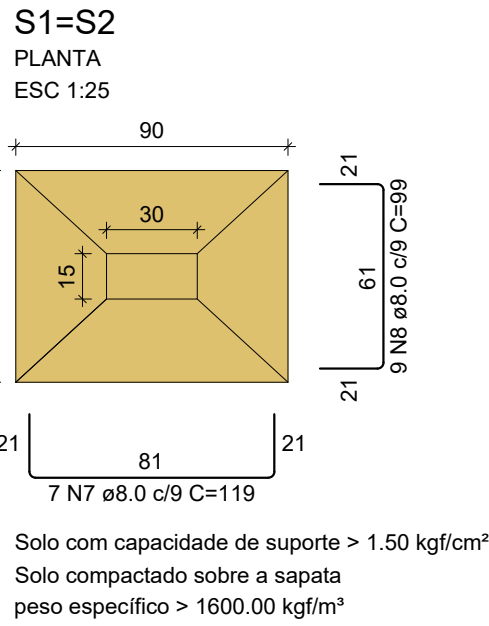
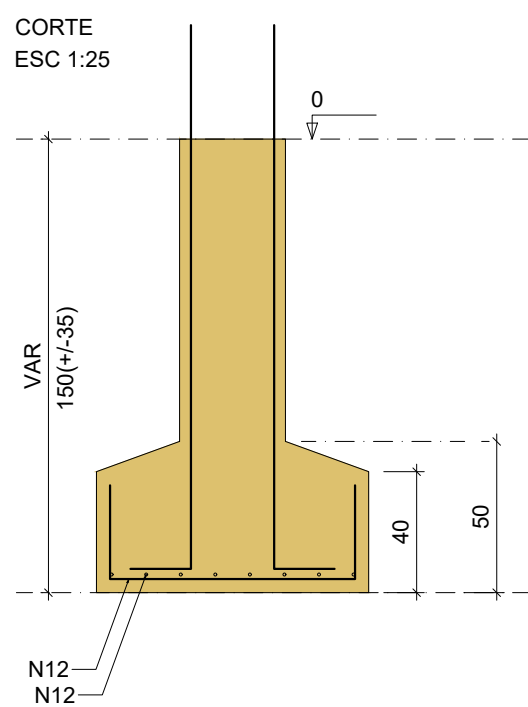
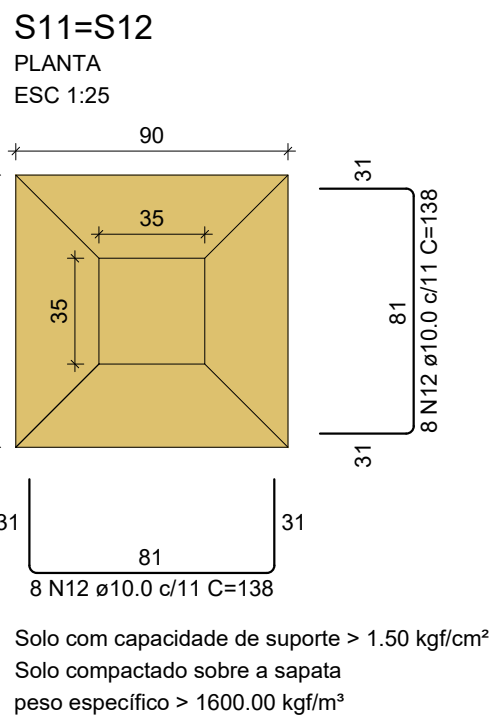
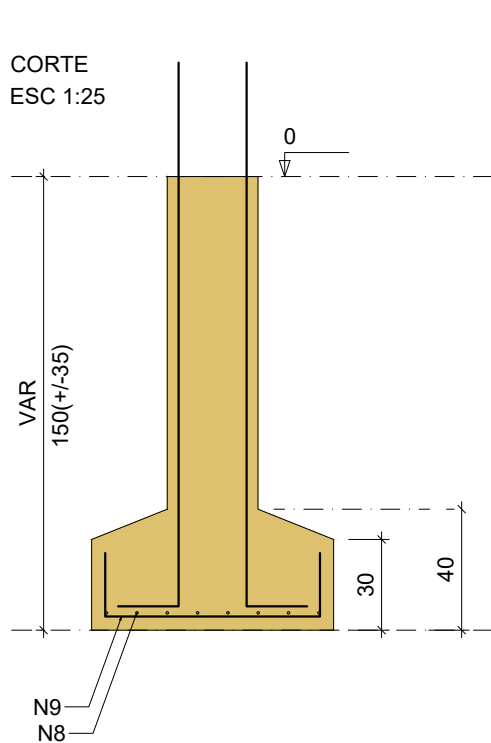
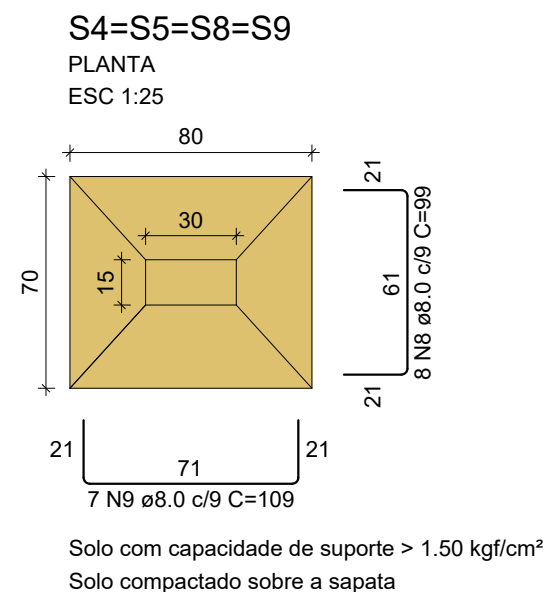
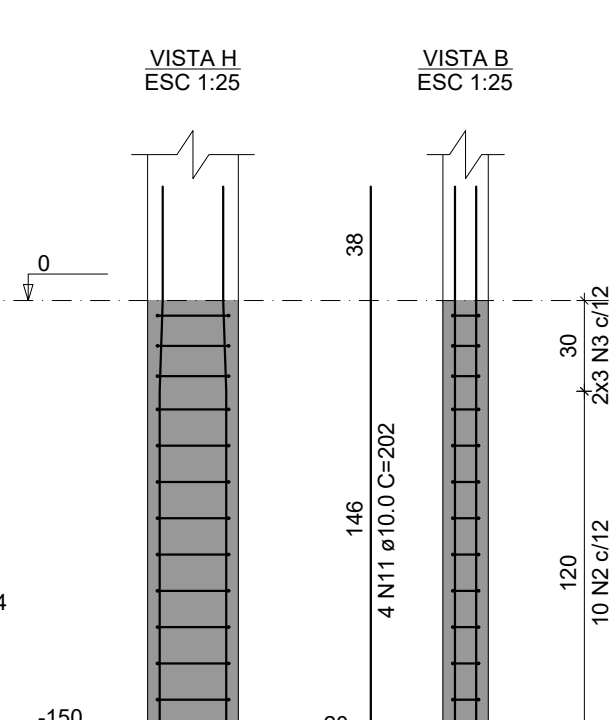
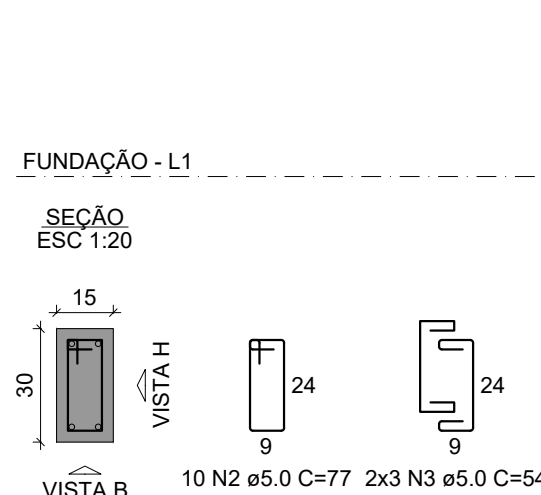
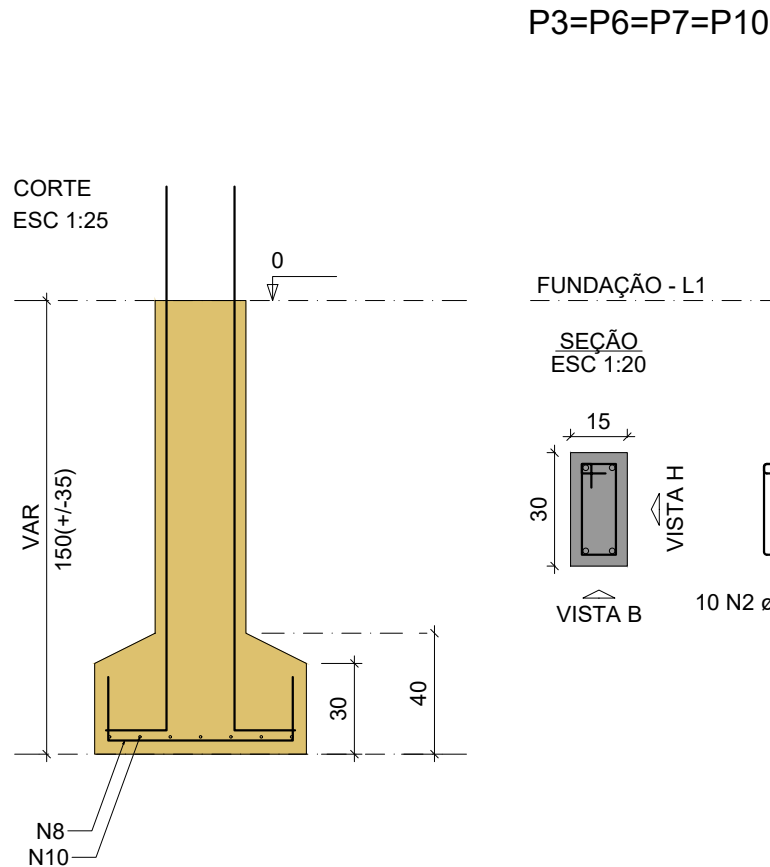
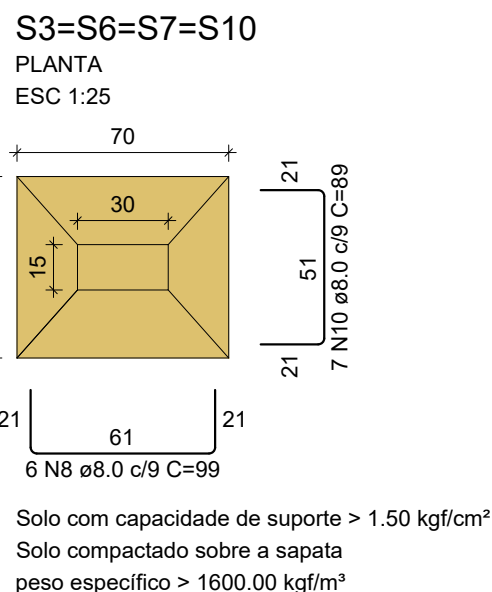
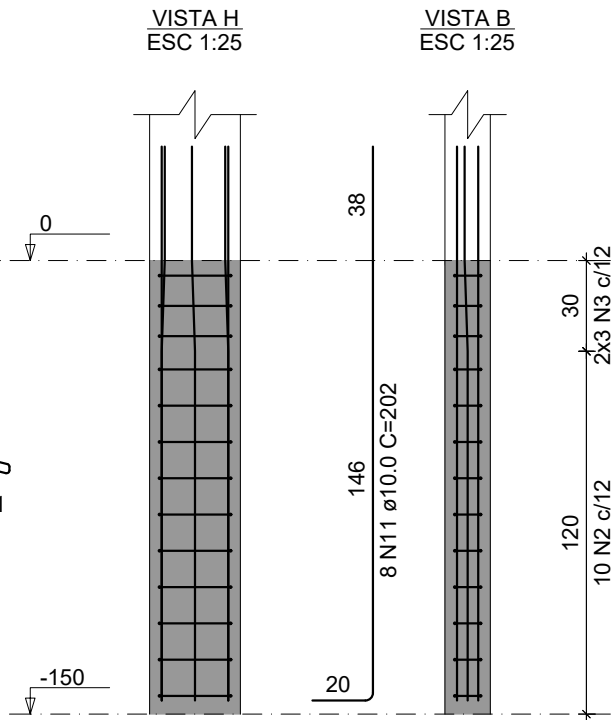
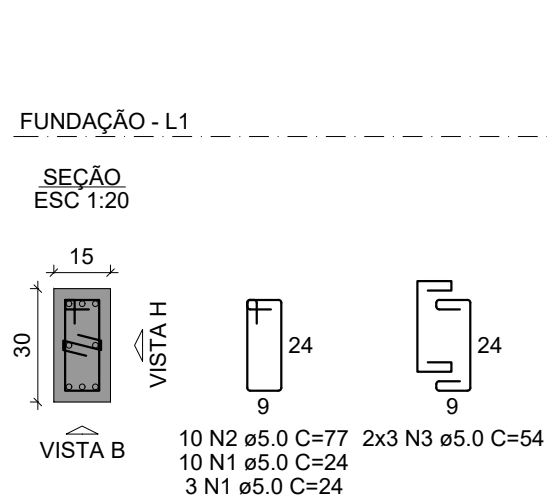
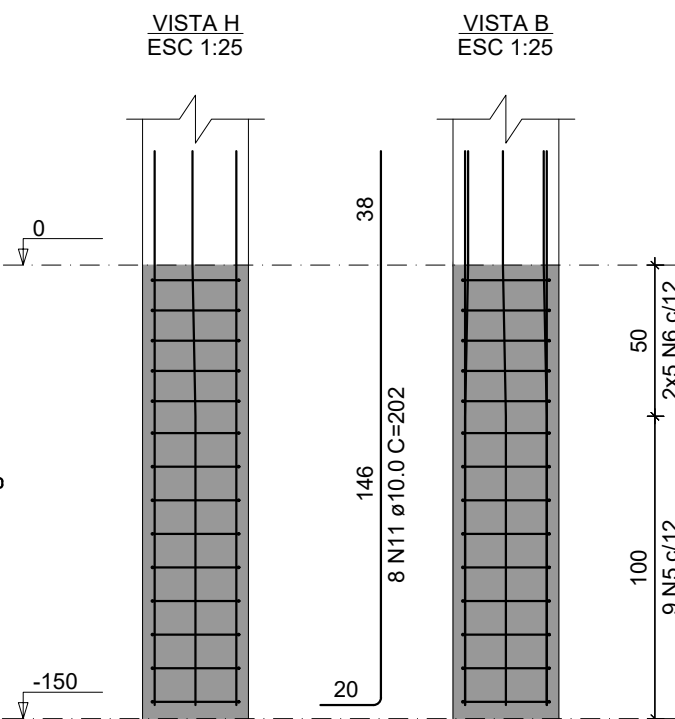
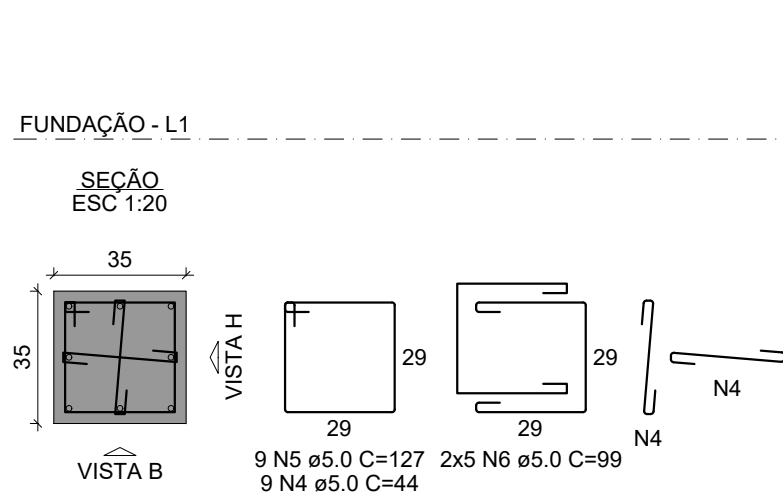




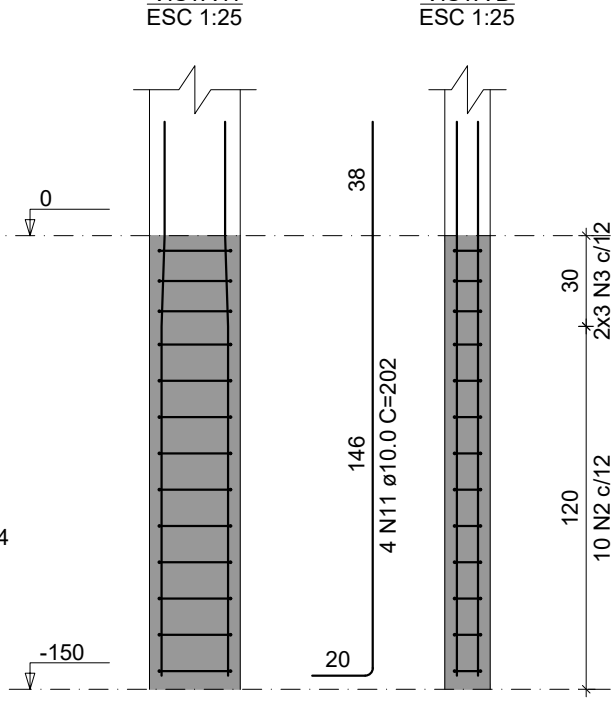
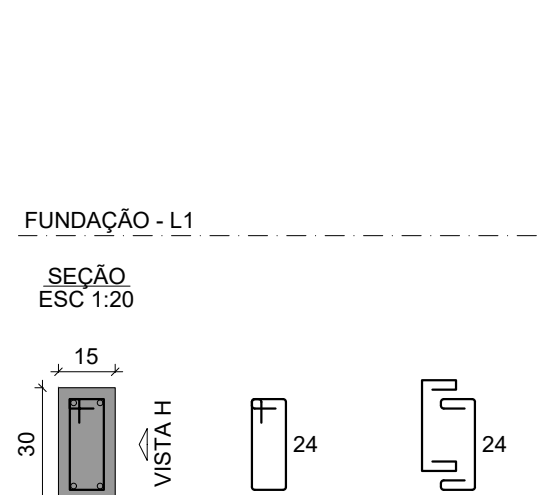
P1=P2



P11=P12



P4=P5=P8=P9



RELAÇÃO DO AÇO

2xP1 2xP11 4xS10	4xP3 2xS1 2xS11	4xP4 4xS4			
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	26	24	624
	2	5.0	100	77	7700
	3	5.0	60	54	3240
	4	5.0	56	44	2464
	5	5.0	16	127	2032
	6	5.0	20	99	1980
	7	8.0	14	119	1666
	8	8.0	74	99	7326
	9	8.0	28	109	3052
	10	8.0	28	89	2492
	11	10.0	64	202	12928
	12	10.0	32	138	4416

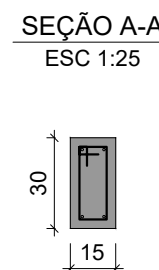
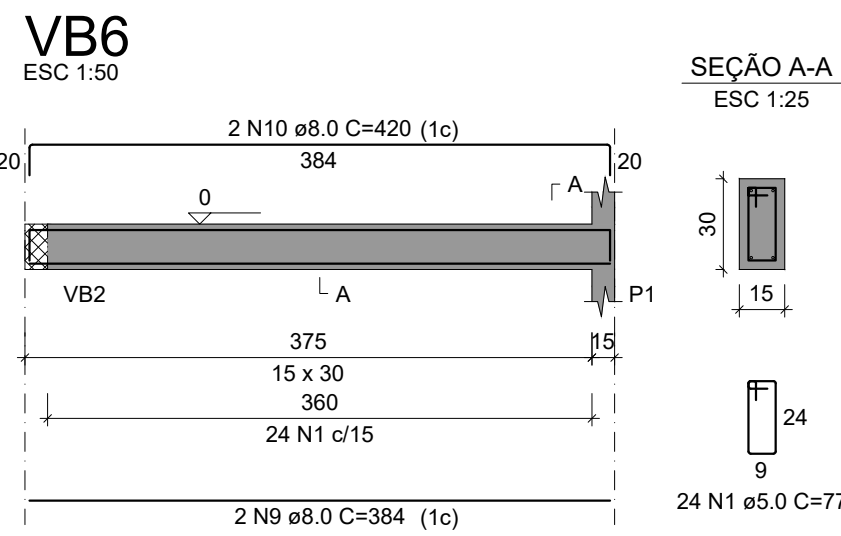
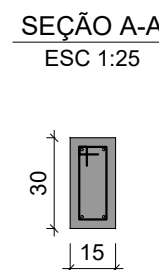
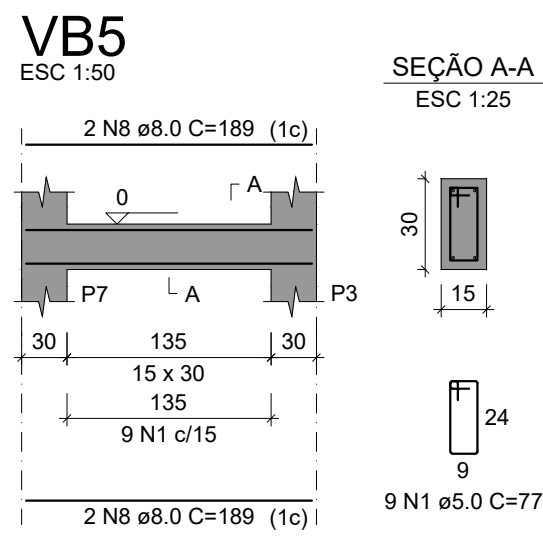
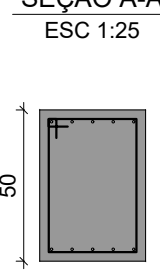
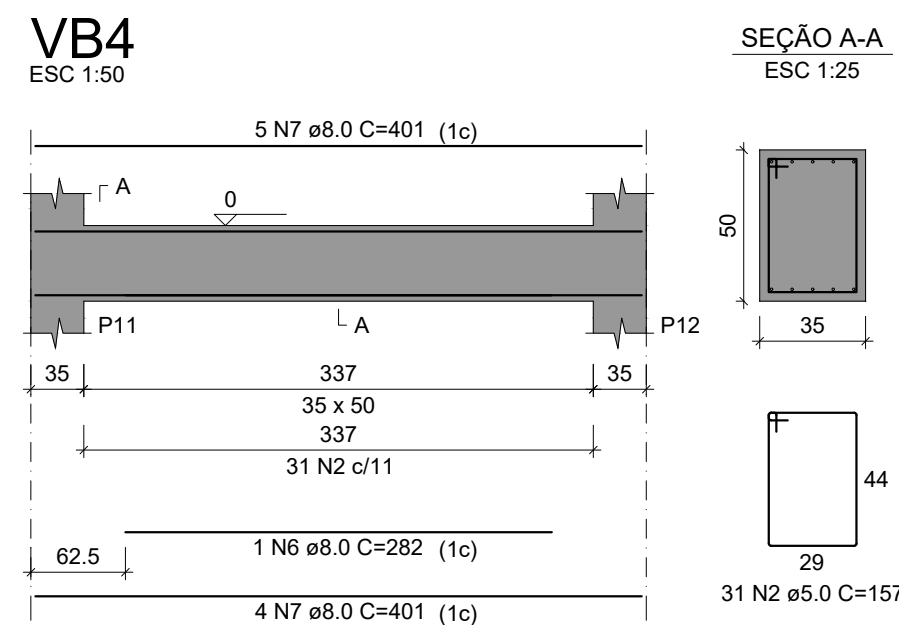
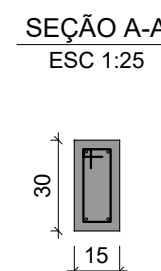
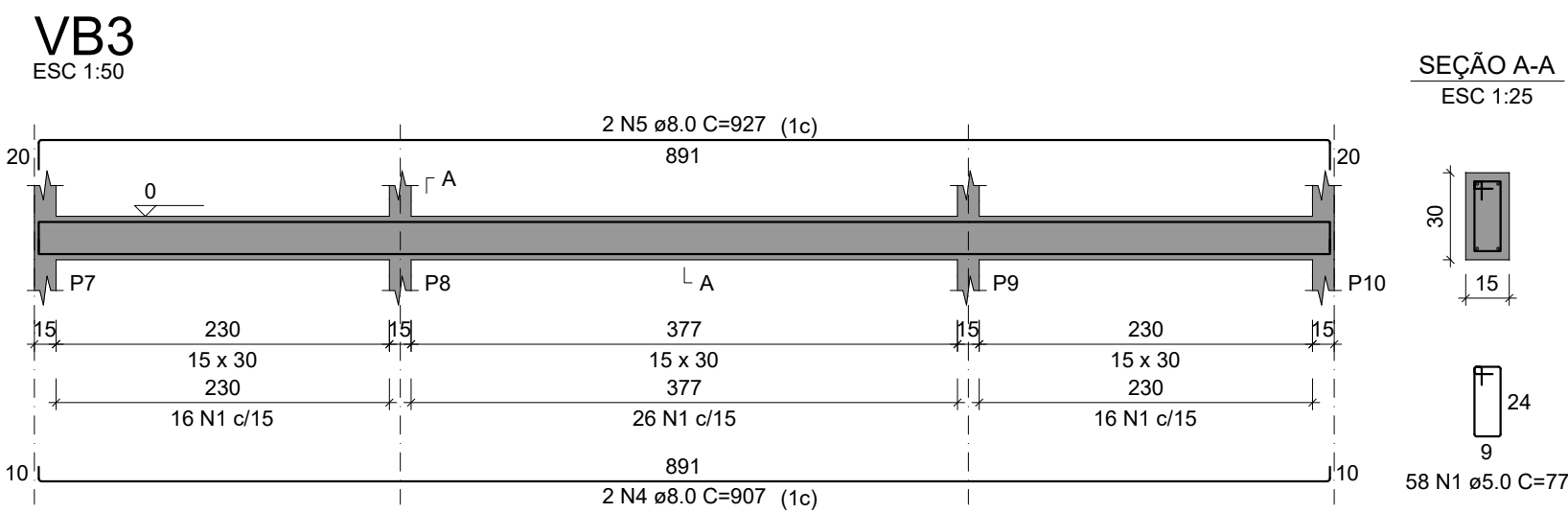
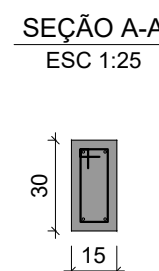
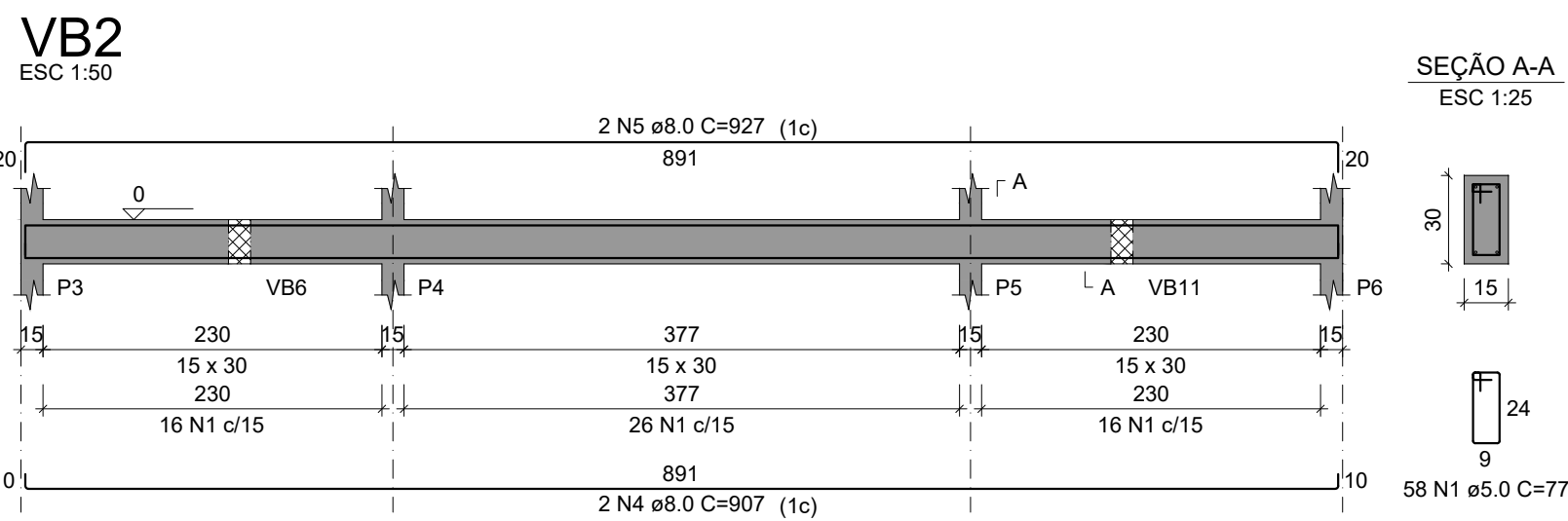
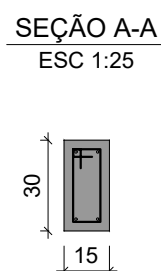
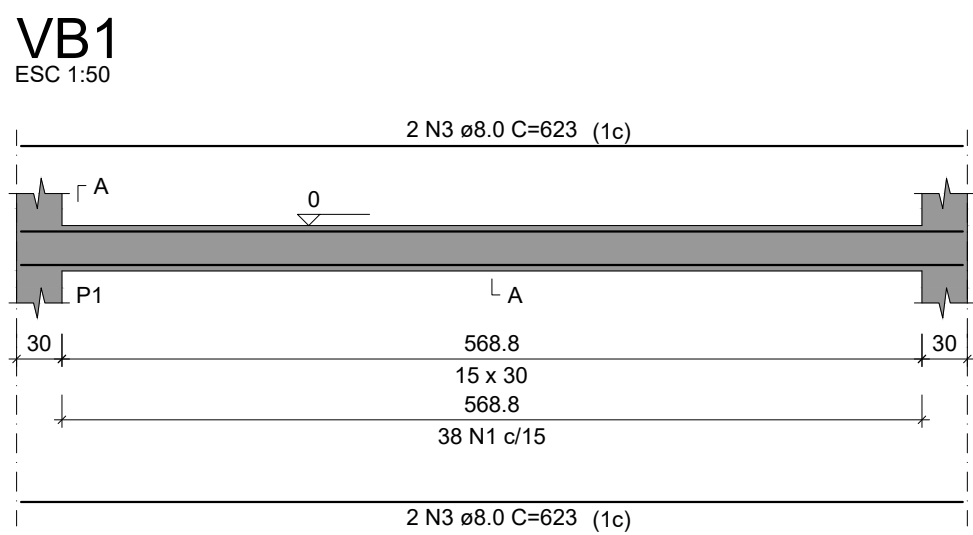
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	145.4	63.1
CA60	10.0	173.4	117.6
CA60	5.0	182.9	31

PESO TOTAL (kg)

CA50	180.7
CA60	31

Volume de concreto (C-25) = 3.26 m³
Área de forma = 24.22 m²



RELAÇÃO DO AÇO

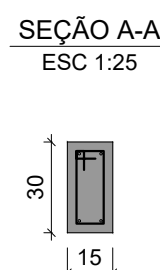
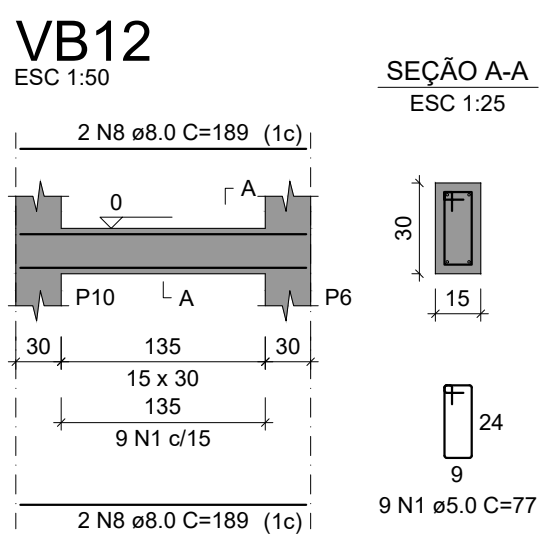
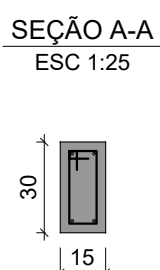
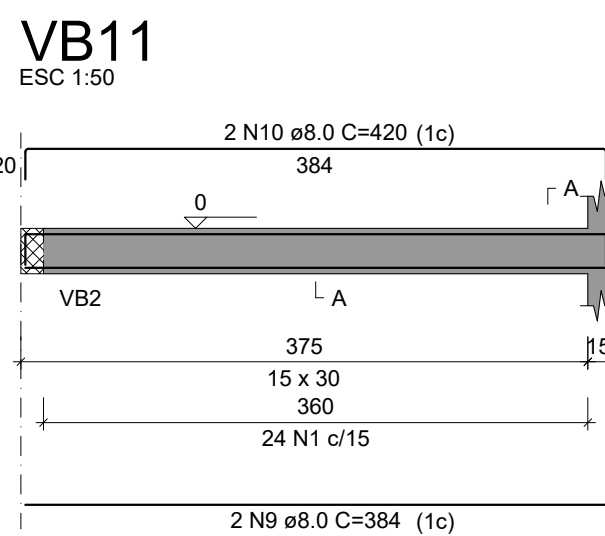
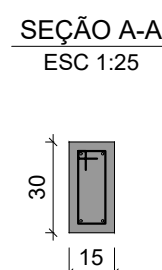
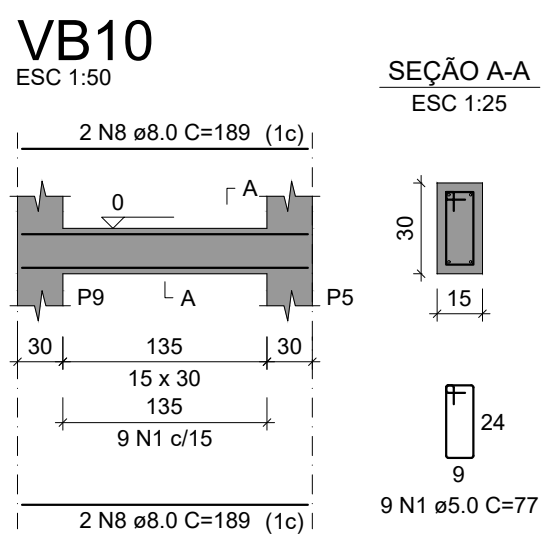
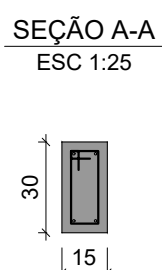
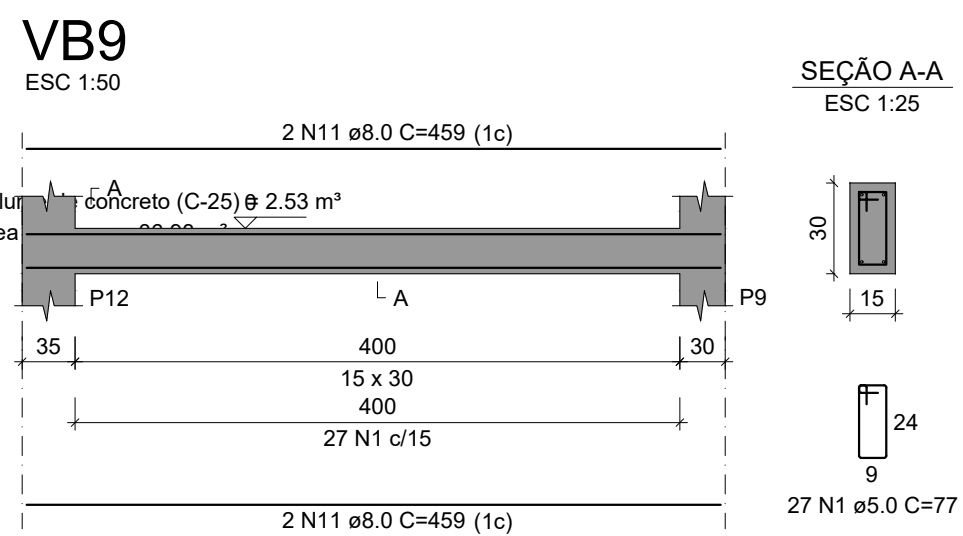
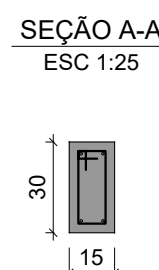
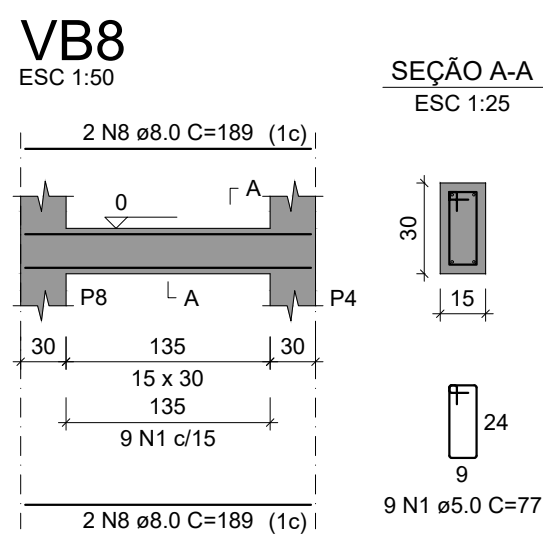
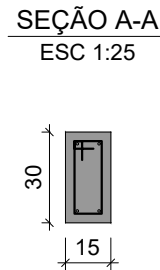
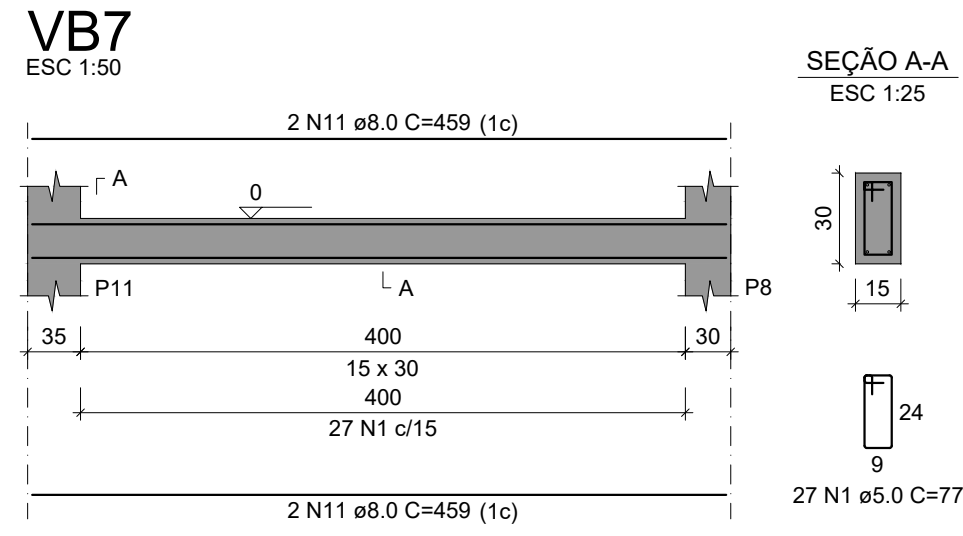
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	292	77	22484
	2	5.0	31	157	4867
	3	8.0	4	623	2492
	4	8.0	4	907	3628
	5	8.0	4	927	3708
	6	8.0	1	282	282
	7	8.0	9	401	3609
	8	8.0	16	189	3024
	9	8.0	4	384	1536
	10	8.0	4	420	1680
	11	8.0	8	459	3672

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	236.3	102.6
CA60	5.0	273.5	46.4

PESO TOTAL (kg)

CA50	102.6
CA60	46.4



CONTRATADA: CARVALHO AMARAL ENGENHARIA & PROJETOS
CNPJ Nº: 16.783.066/0001-35
AVENIDA MESTRA FININHA, Nº 726 - 1º ANDAR,
CIDADE SANTA MARIA, MONTES CLAROS/MG - CEP: 39401-074

CONTRATANTE: PEBIAI
CNPJ Nº: 16.899.700/0001-08
PRAÇA 31 DE MARÇO, Nº 555
IBIAI/MG - CEP: 39.350-000

RESPONSÁVEL TÉCNICO: IWAN MATHEUS COSTA SOUZA
CREA/CAU: 255.542/D - MG

RESPONSÁVEL LEGAL: PREFEITO(A) MUNICIPAL DE IBIAI-MG

REFORMA DO POSTO DE SAÚDE DO MUNICÍPIO DE IBIAI/MG

DESCRIÇÃO: DETALHES ARMADURAS SAPATAS E VIGAS BALDRAMES

ENDEREÇO DA OBRA: AVENIDA CORAÇÃO DE JESUS - S/N - CENTRO - IBIAI/MG

MUNICÍPIO: IBIAI/MG DATA INICIAL: 13 DE OUTUBRO DE 2025

FASE DO PROJETO: INICIAL ART/RTT: DATA DA REV.: 03/05

REF. DO PROJETO: IBI-0111 ESCALA: INDICADAS Nº REVISÃO: