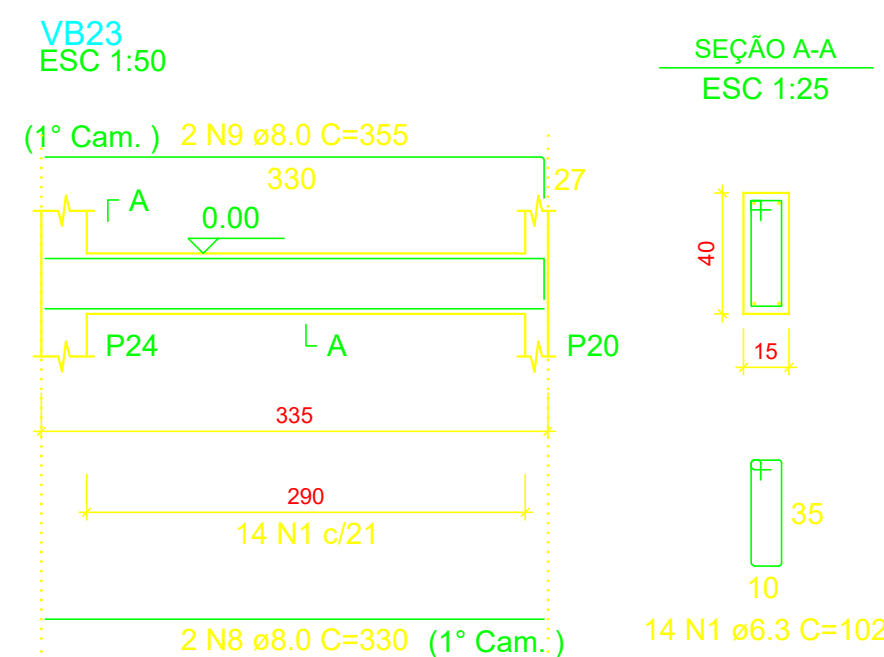
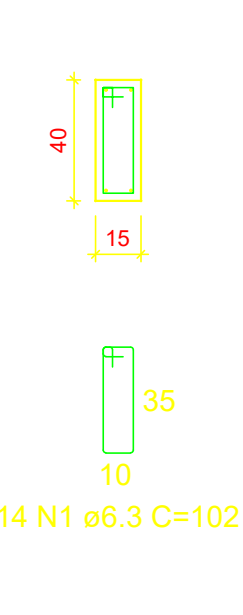
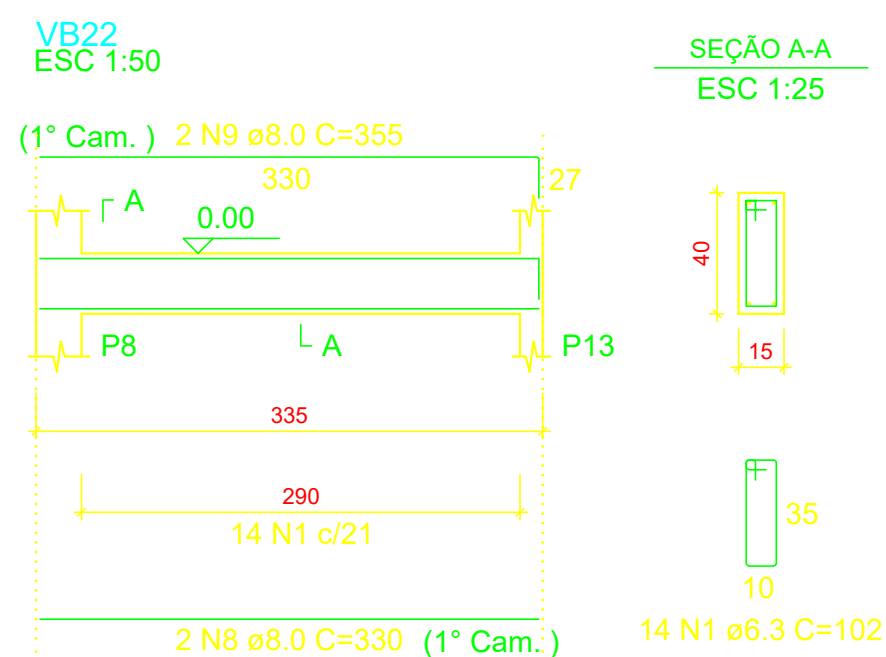
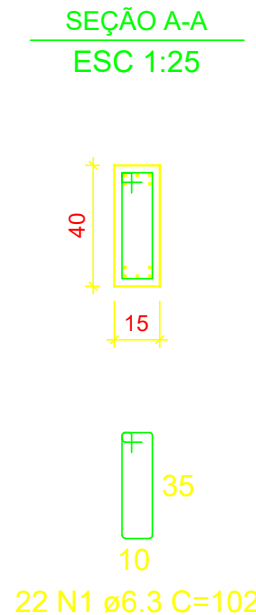
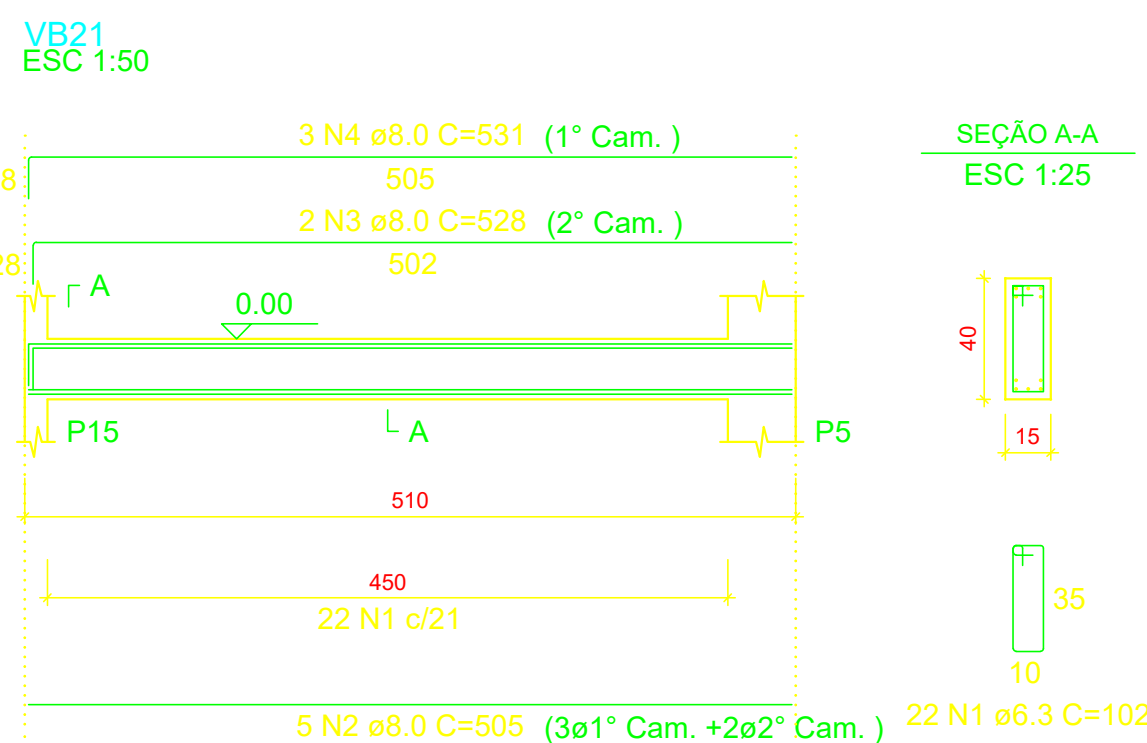
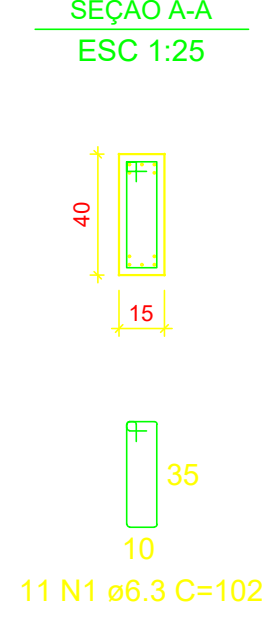
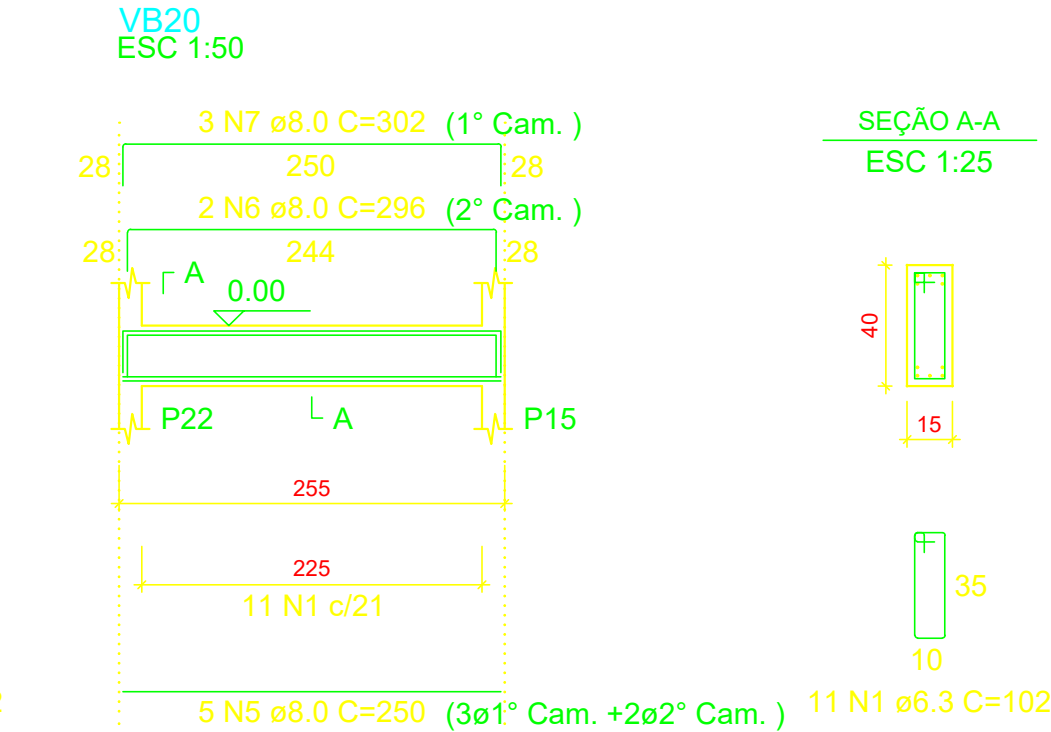
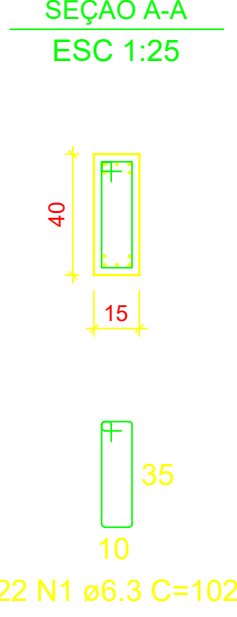
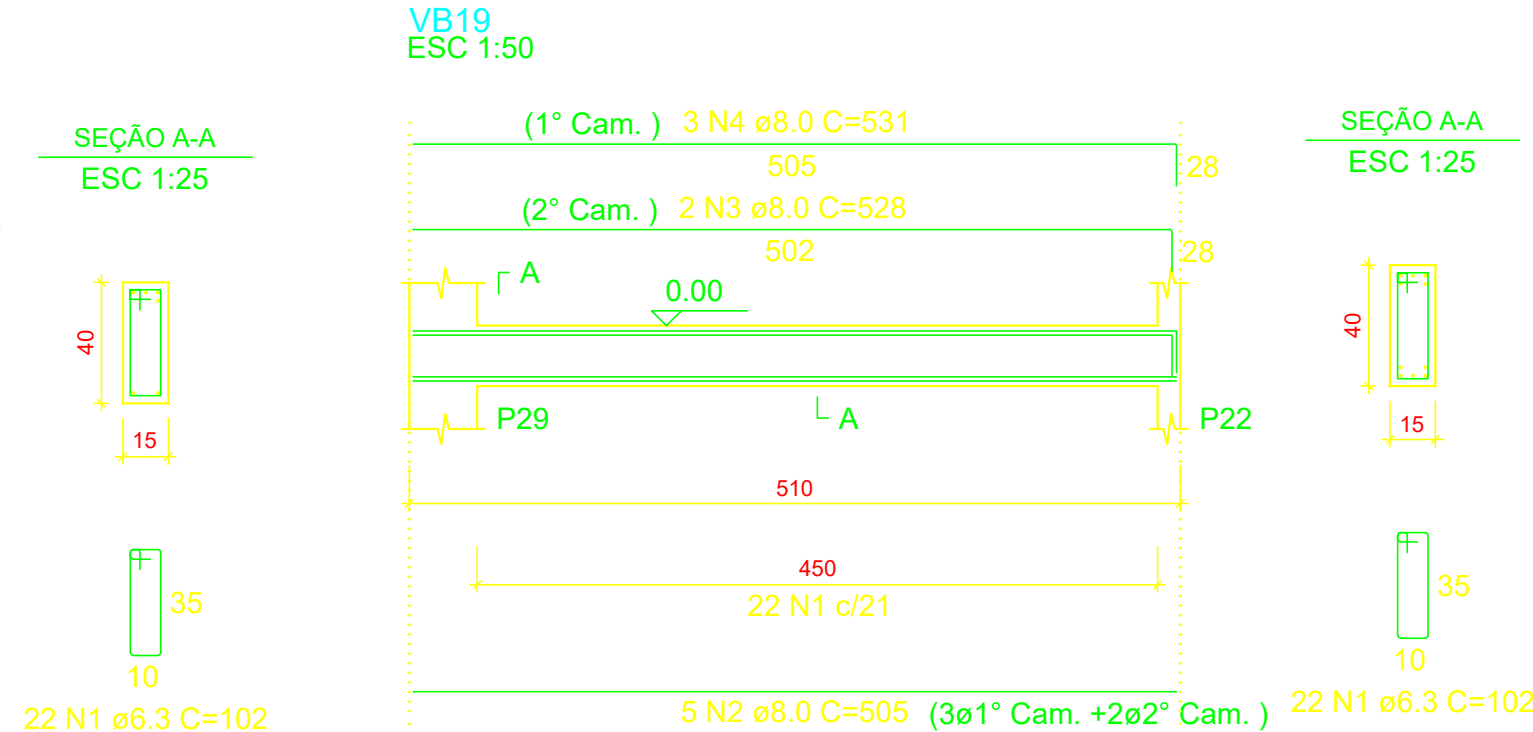
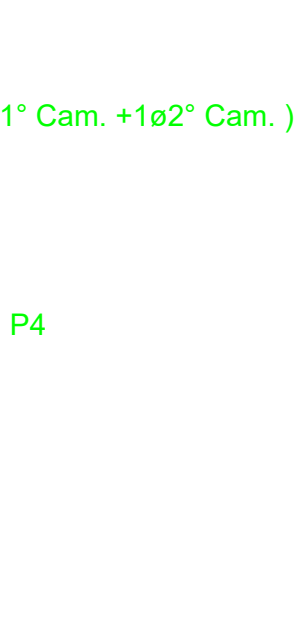
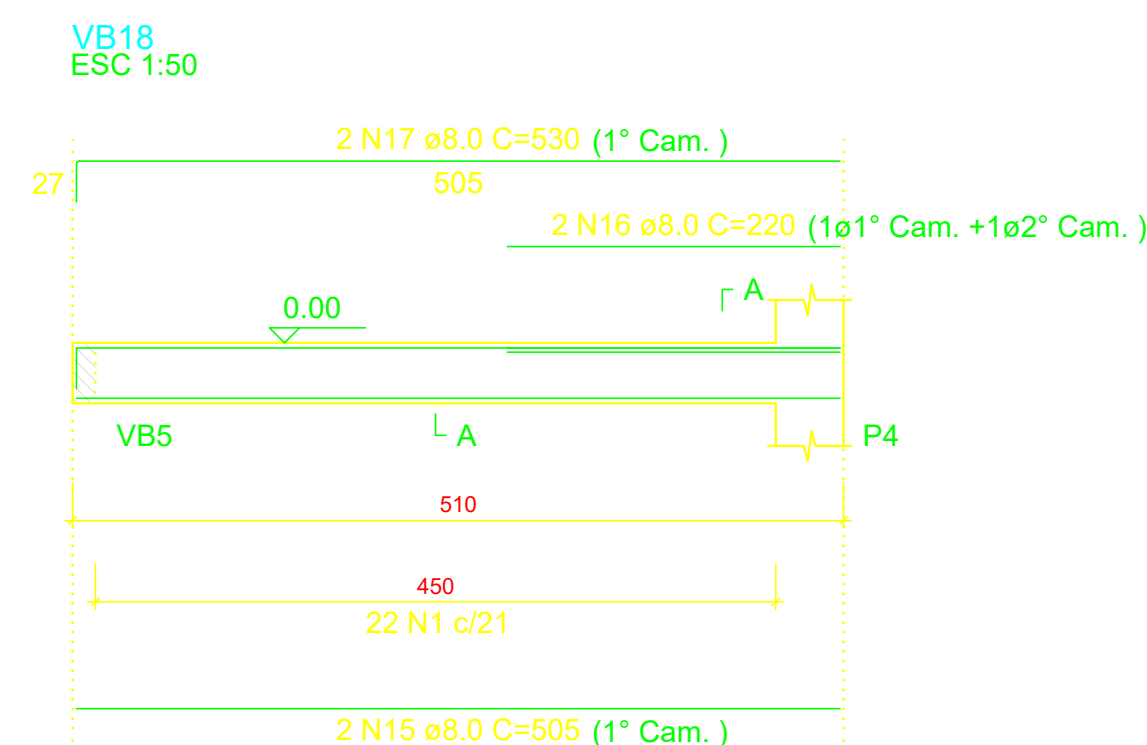
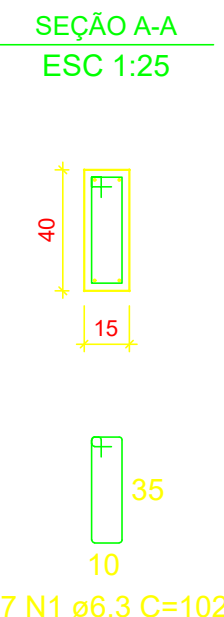
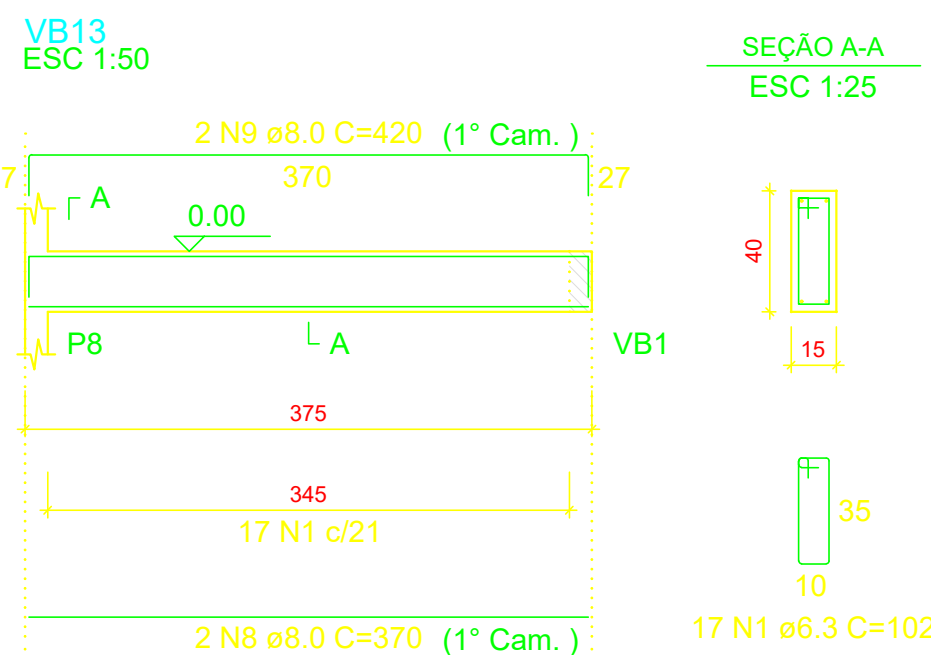
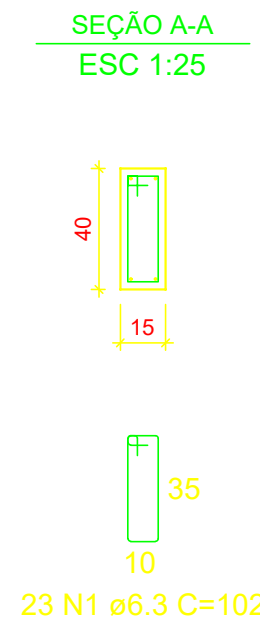
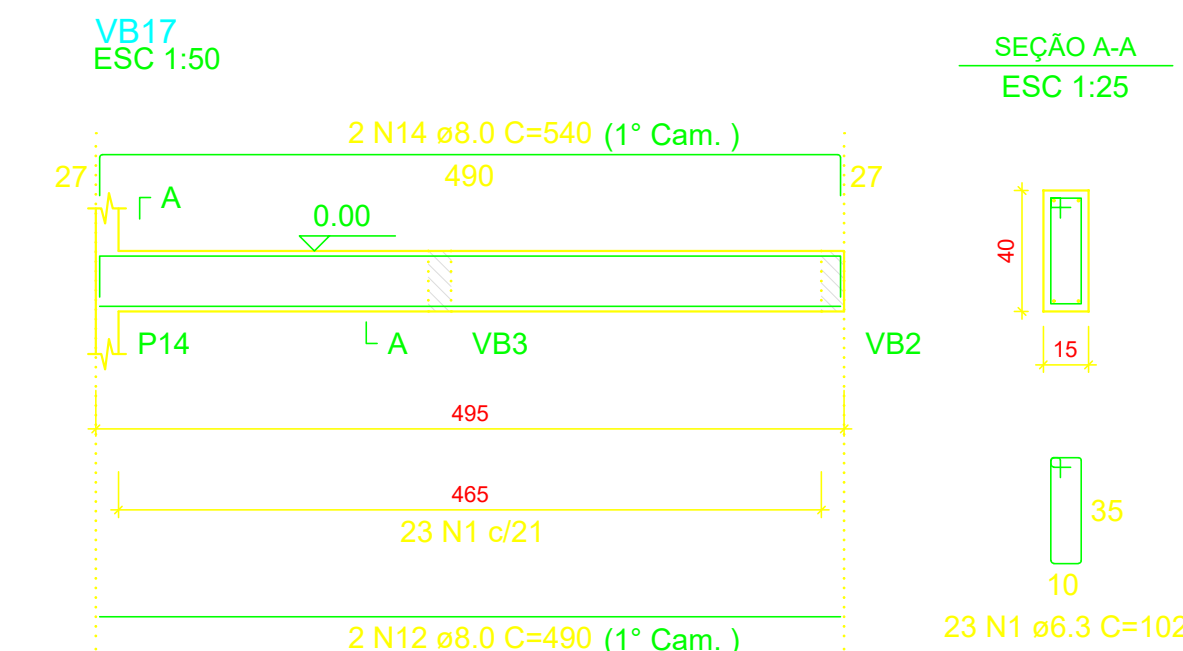
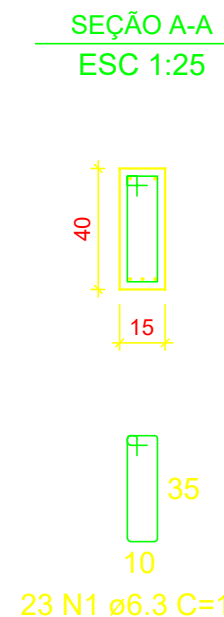
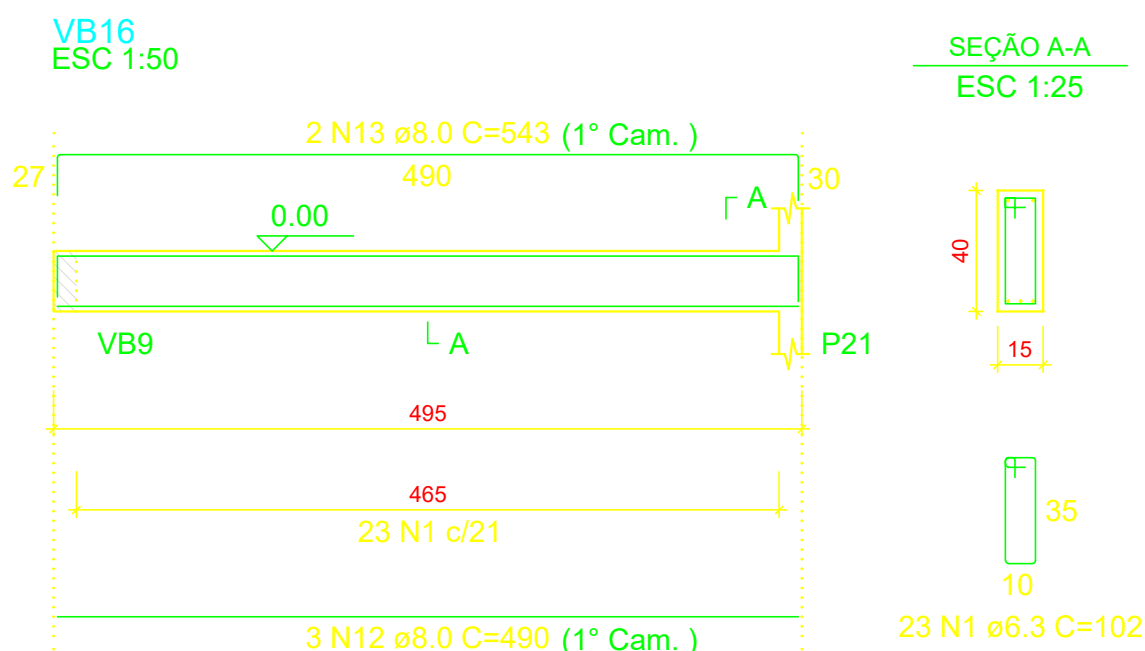
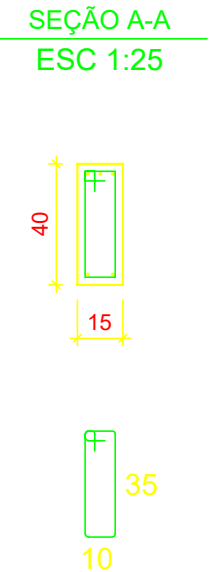
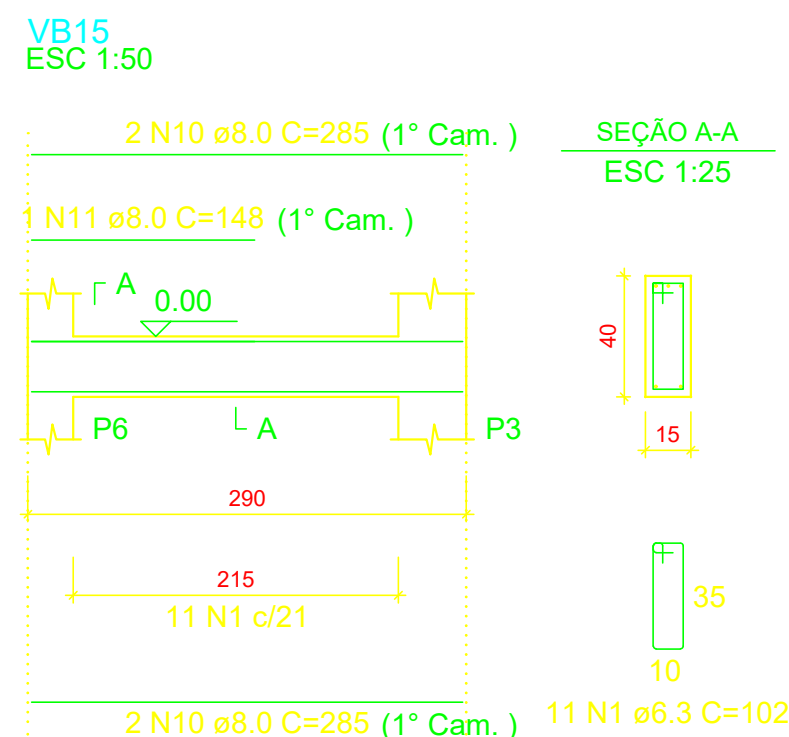
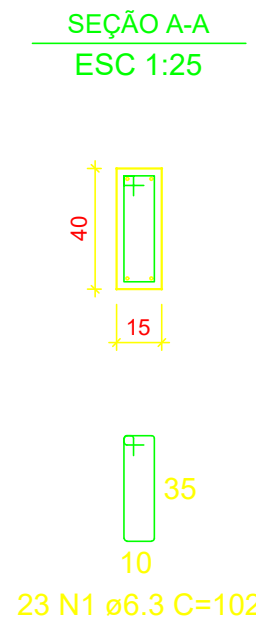
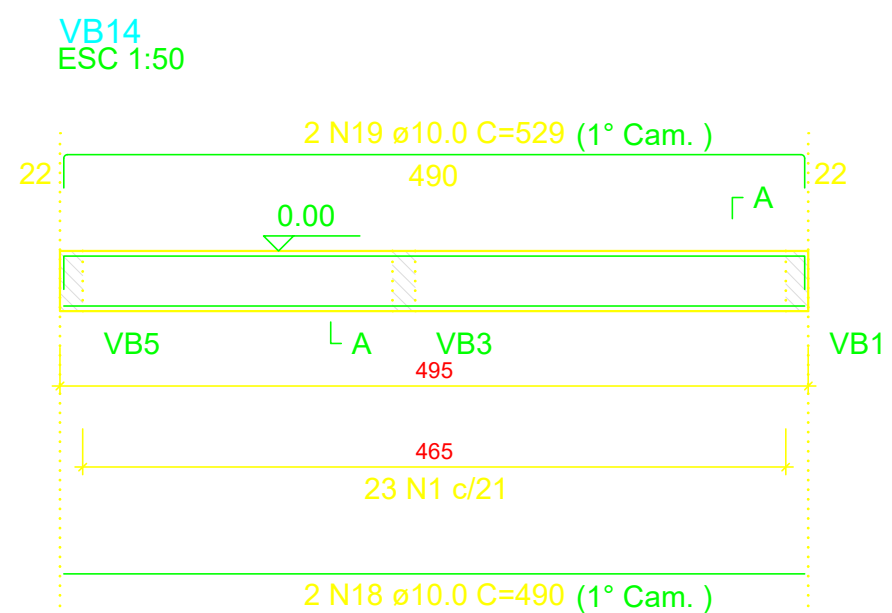
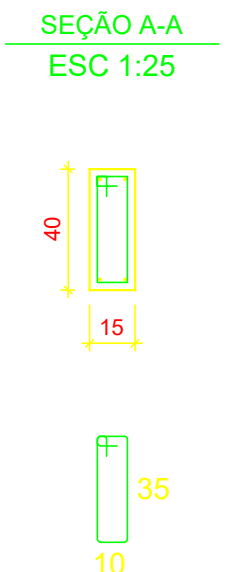
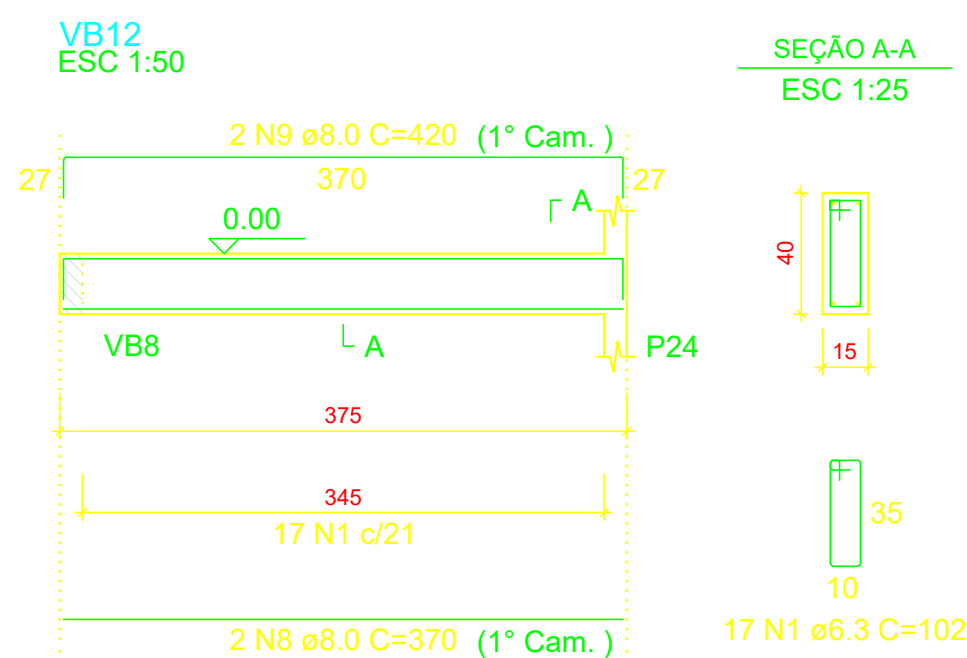
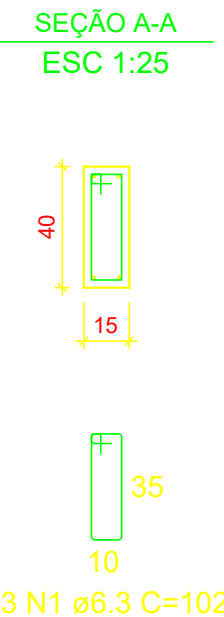
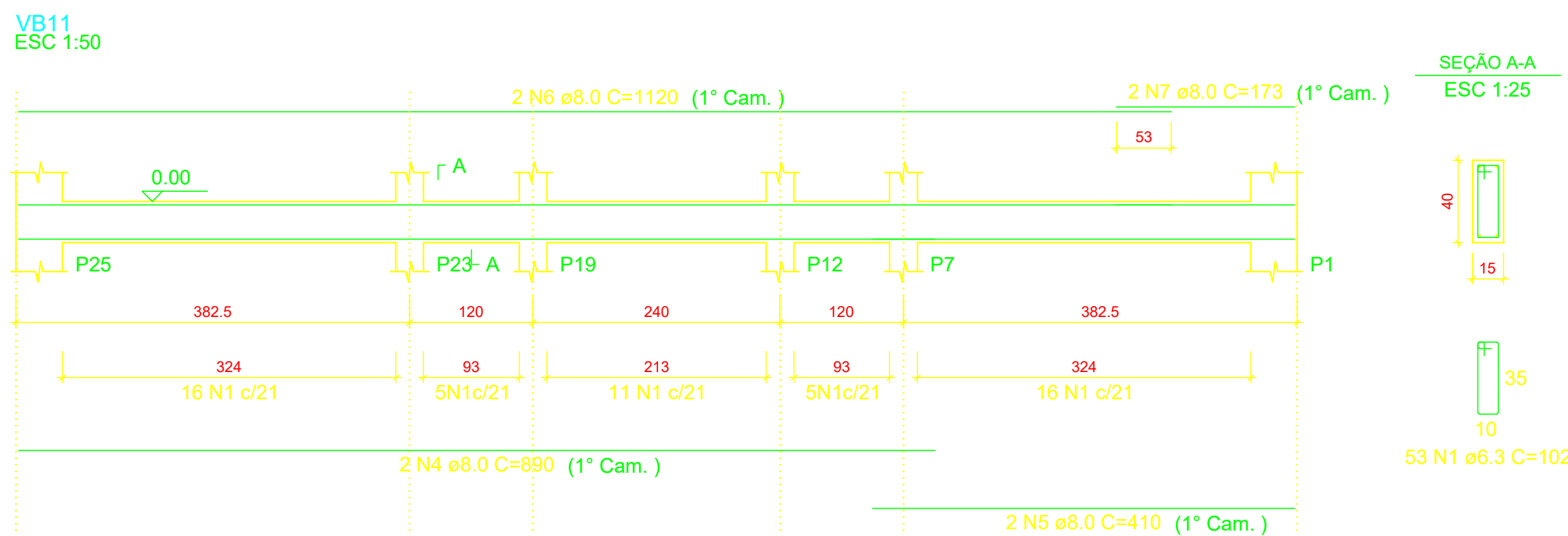
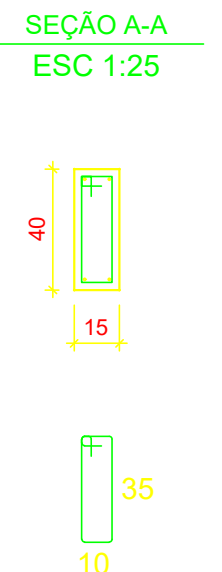
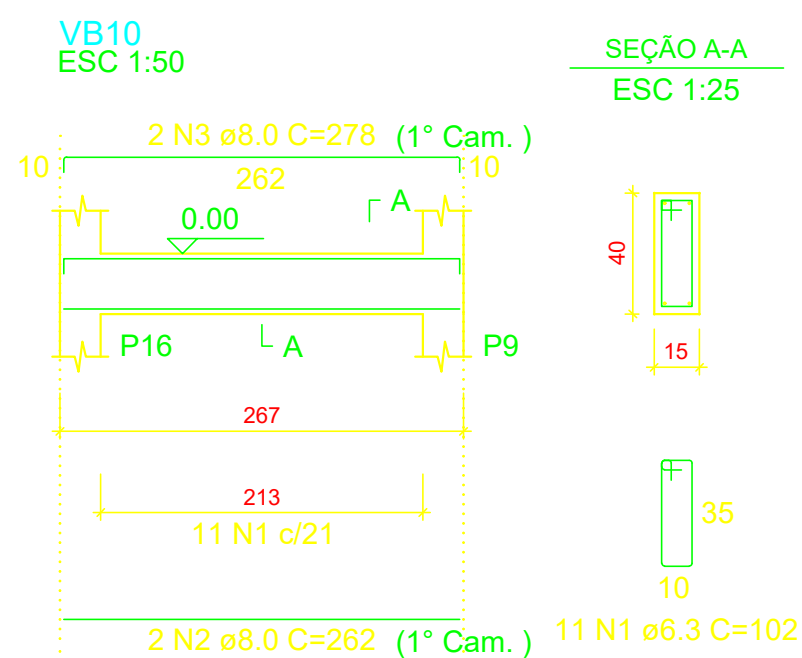


RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	200	102	20400
VB10	2	8.0	2	262	524
VB13	3	8.0	2	278	556
VB16	4	8.0	2	890	1780
	5	8.0	2	410	820
	6	8.0	2	1120	2240
	7	8.0	2	173	346
	8	8.0	4	370	1480
	9	8.0	4	420	1680
	10	8.0	4	285	1140
	11	8.0	1	148	148
	12	8.0	5	490	2450
	13	8.0	2	543	1086
	14	8.0	2	540	1080
	15	8.0	2	505	1010
	16	8.0	2	220	440
	17	8.0	2	530	1060
	18	10.0	2	490	980
	19	10.0	2	529	1058

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	6.3	204	19	54.9
	8.0	178.4	17	77.4
	10.0	20.4	2	13.8

PESO TOTAL (kg)	146.2
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Volume de concreto (C-25) = 2.73 m³
Área de forma = 43.20 m²

RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	83	102	8466
	2	8.0	10	505	5050
	3	8.0	4	528	2112
	4	8.0	6	531	3186
	5	8.0	5	250	1250
	6	8.0	2	296	592
	7	8.0	3	302	906
	8	8.0	4	330	1320
	9	8.0	4	355	1420

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	6.3	84.7	8	22.8
	8.0	158.4	15	68.7

PESO TOTAL (kg)	91.5
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Volume de concreto (C-25) = 1.17 m³
Área de forma = 18.48 m²

PROJETO		RESPONSÁVEL TÉCNICO	
		Eng. Mano Marques Ribeiro CREA: MG 48900/D	
CLIENTE			
			
EMPREENDIMENTO			
IMPLANTAÇÃO DA ESCOLA NOVA			
ENDEREÇO		DISCIPLINA	
RUA 06, S/N - B. Luiz Rennó Mendes. SANTA RITA DO SAPUCAÍ - MINAS GERAIS		ESTRUTURAL	
ASSUNTO		FASE DO PROJETO	
ED. ADMINISTRATIVO DETALHAMENTO DA ARMAÇÃO DAS VIGAS BALDRAME PLANTA BAIXA, CORTES E DETALHES		EXECUTIVO	
DATA INICIAL		FOLHA Nº	
17/10/2019		22	
ESCALA	REVISÃO	ARQUIVO	
INDICADA	R00	FAPEPE-FMSRS-ESC-PE-EST-R00 - NVV.DWG	