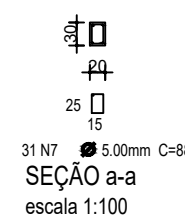
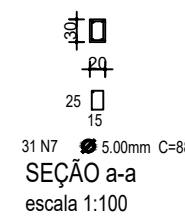
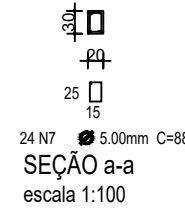
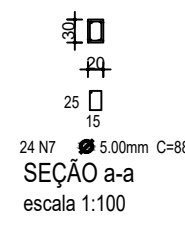
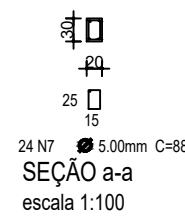
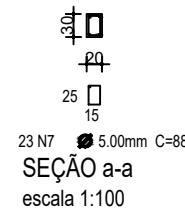
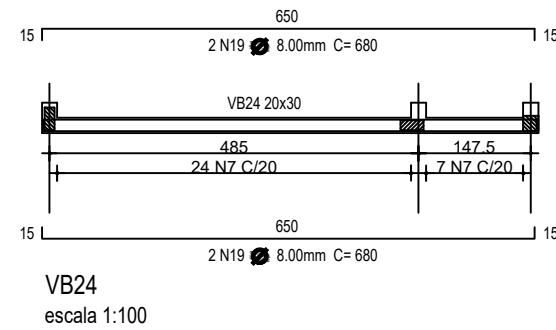
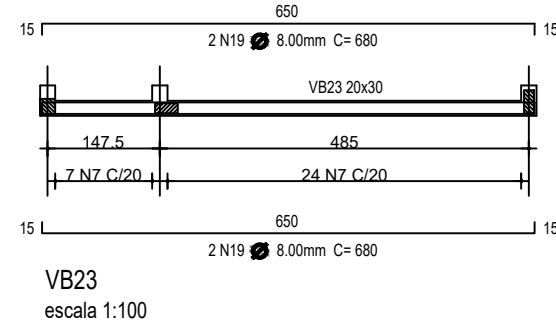
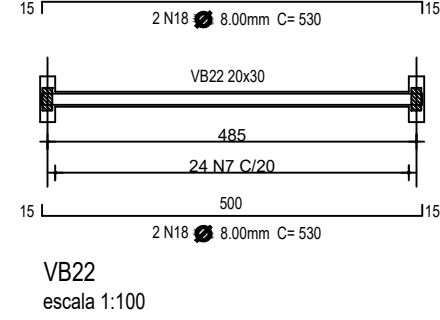
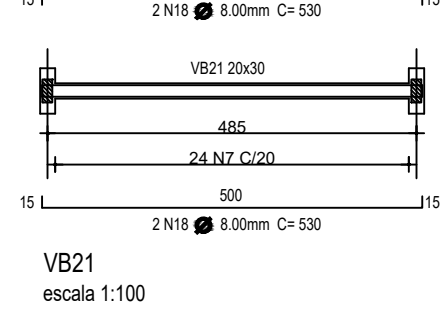
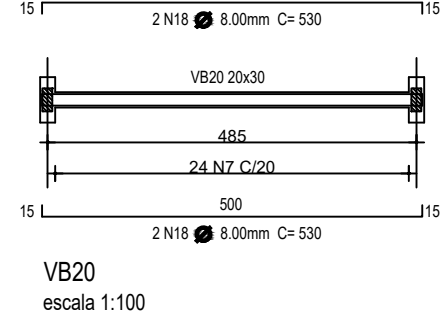
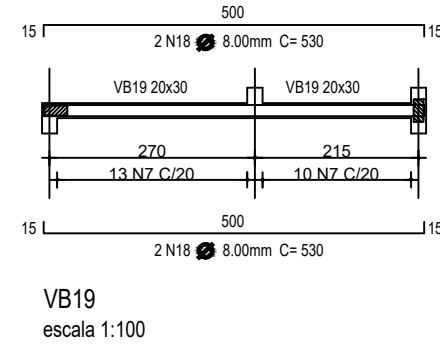
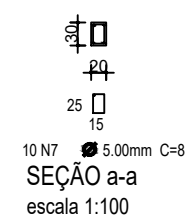
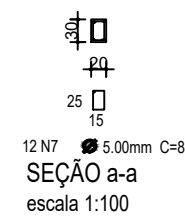
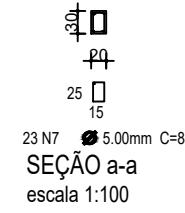
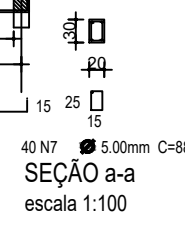
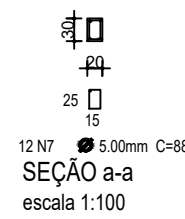
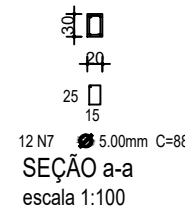
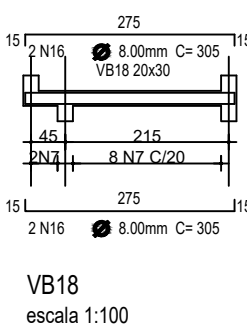
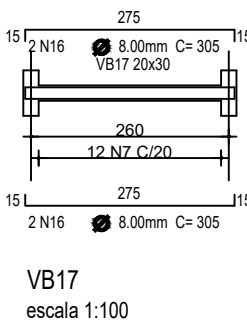
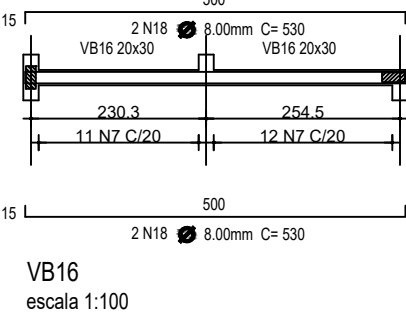
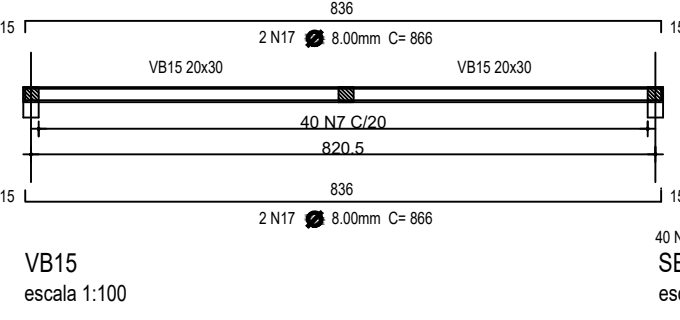
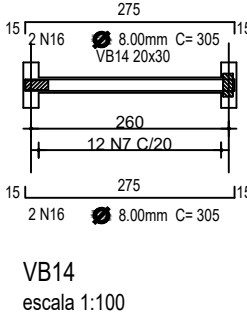
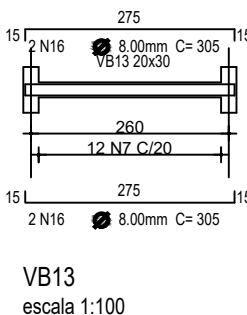
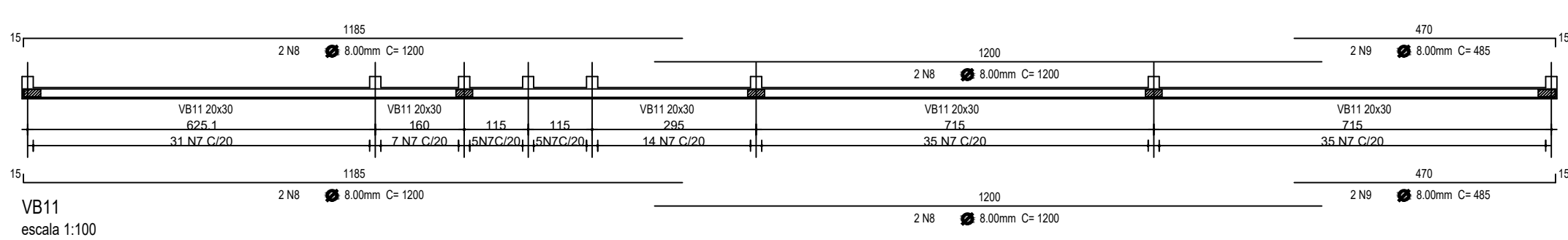
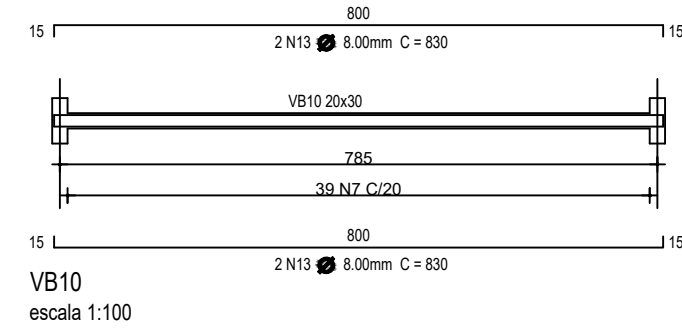
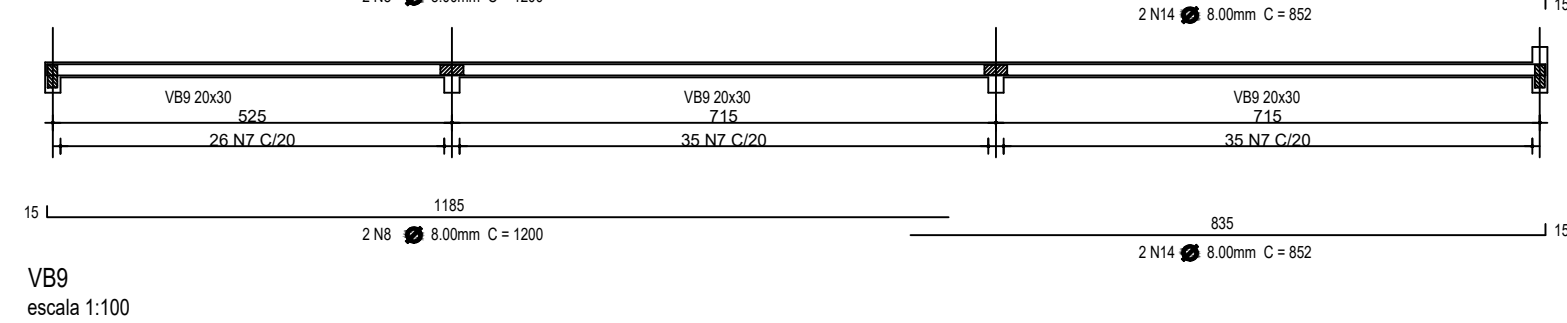
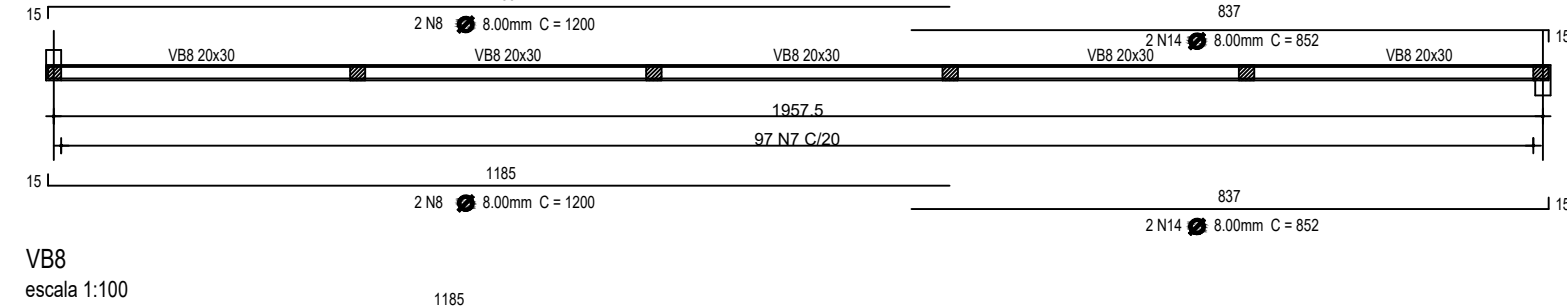
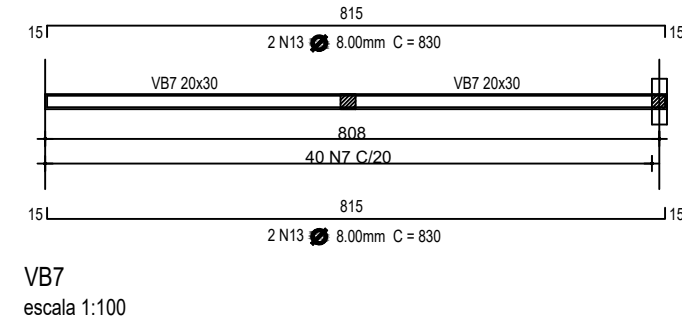
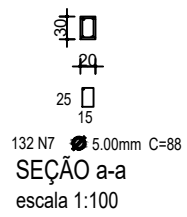
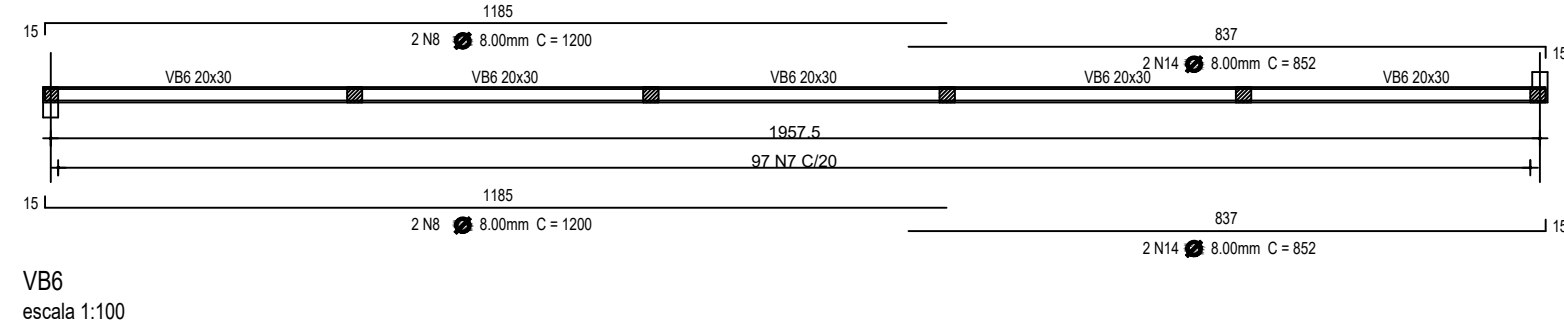
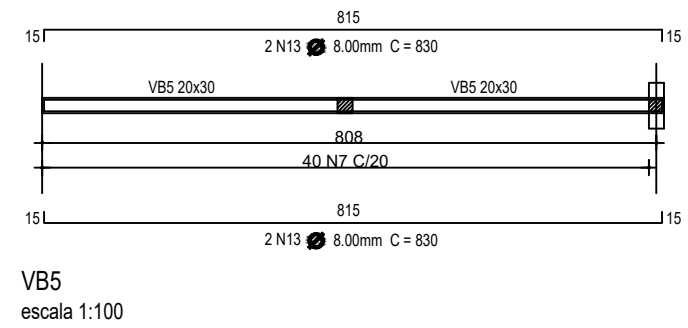
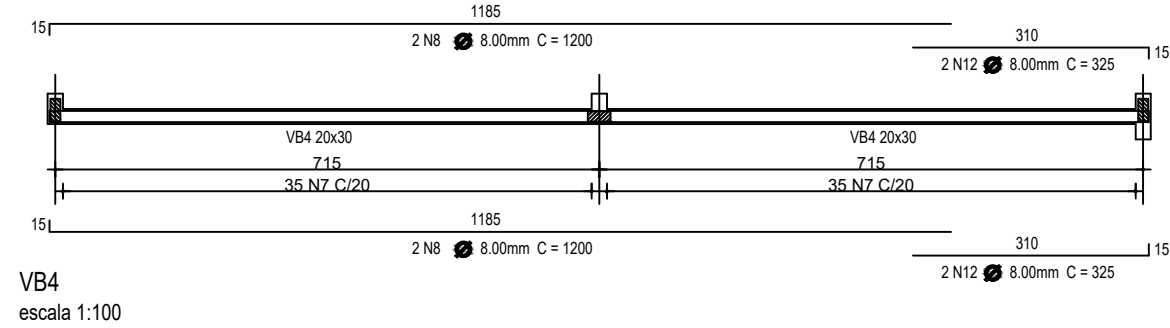
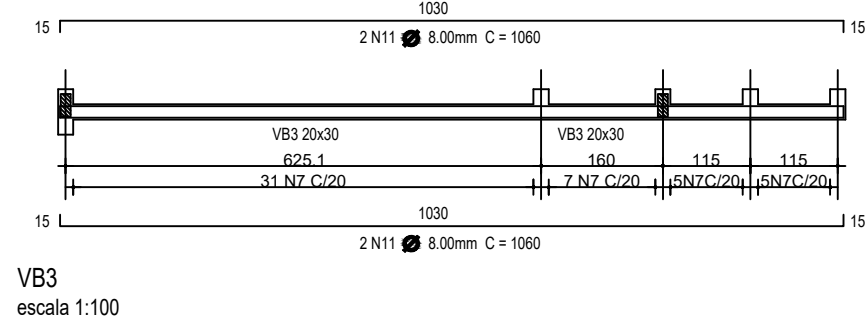
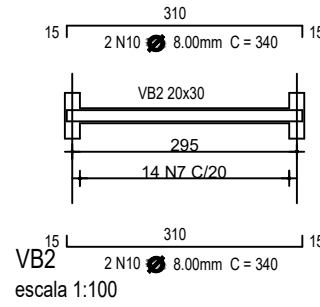
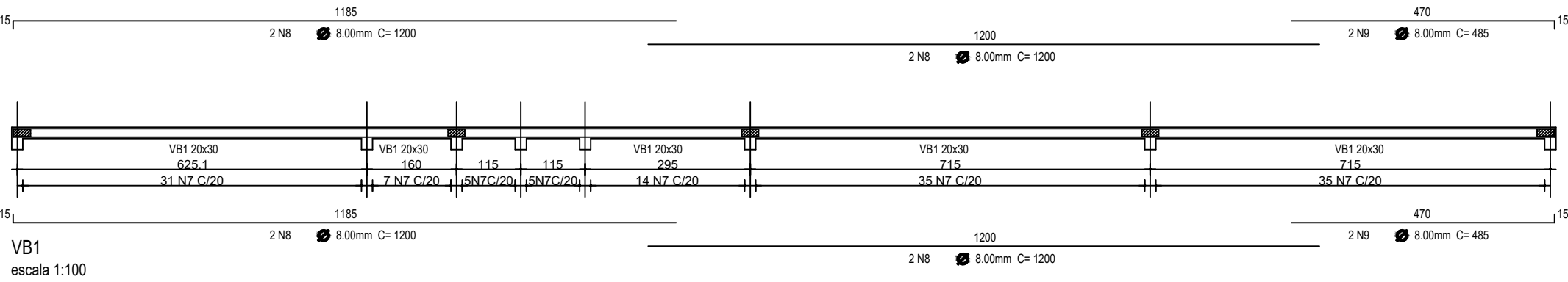


FÓRMA DAS V. BALDRAME  
escala 1:100

VIGAS BALDRAME  
PILAR QUE NASCE



VOLUME DE CONCRETO DAS VIGAS BALDRAME  
SEÇÃO 20x30

CONCRETO FCK 25MPa = 14,50m³

RELAÇÃO DO AÇO (VIGAS BALDRAME)

AÇO	N	DIAM.	Q	UNIT.	TOTAL
CA 60	N7	5,00mm	1184,00	0,88m	1041,92m
CA 50	N8	6,00mm	36,00	12,00m	432,00m
CA 50	N9	6,00mm	8,00	4,85m	38,80m
CA 50	N10	6,00mm	4,00	3,40m	13,60m
CA 50	N11	6,00mm	4,00	10,80m	42,40m
CA 50	N12	6,00mm	4,00	3,25m	13,00m
CA 50	N13	6,00mm	12,00	8,30m	99,60m
CA 50	N15	6,00mm	4,00	9,80m	39,20m
CA 50	N16	6,00mm	16,00	3,05m	48,80m
CA 50	N17	6,00mm	4,00	8,66m	34,64m
CA 50	N18	6,00mm	20,00	5,30m	106,00m
CA 50	N19	6,00mm	8,00	6,80m	54,40m
TOTAL CA60					1041,92m
TOTAL CA50					922,44m

RESUMO DO AÇO DAS VIGAS BALDRAME  
87 BARRAS Ø 5,00mm C = 12,00m  
77 BARRAS Ø 6,00mm C = 12,00m

**PREFEITURA MUNICIPAL DE  
PRESIDENTE OLEGÁRIO - MG**  
CNPJ: 18.602.060/0001-40  
Praça Dr. Castilho, 10 - Centro - Presidente Olegário - MG

**PROJETO ESTRUTURAL**  
PROJETO DE REFORMA E AMPLIAÇÃO DA  
ESCOLA MUNICIPAL PIMPIM MOREIRA  
ASSENTAMENTO DE VITRINE

CONTEÚDO:  
PLANTA DE FÓRMA DAS VIGAS BALDRAMES  
VIGAS BALDRAMES

ENDEREÇO:  
ASSENTAMENTO DE VITRINE  
PRESIDENTE OLEGÁRIO - MG

ÁREA DO TERRENO:  
1.361,80m²  
INSCRIÇÃO CADASTRAL:  
-

DESENHO: AMAPAR  
DEP. PROJETOS  
(34)3822-5450

DATA:  
SET / 2021

FOLHA:  
02/03

Rhenys da Silva Cambraia  
ENGENHEIRO CIVIL - CREA-MG: 253.560/D  
SECRETARIA DE OBRAS E SERVIÇOS PÚBLICOS

Flávio Diogenes Cassimiro  
ENGENHEIRO CIVIL - CREA-MG: 253.560/D  
SECRETARIA DE OBRAS E SERVIÇOS PÚBLICOS