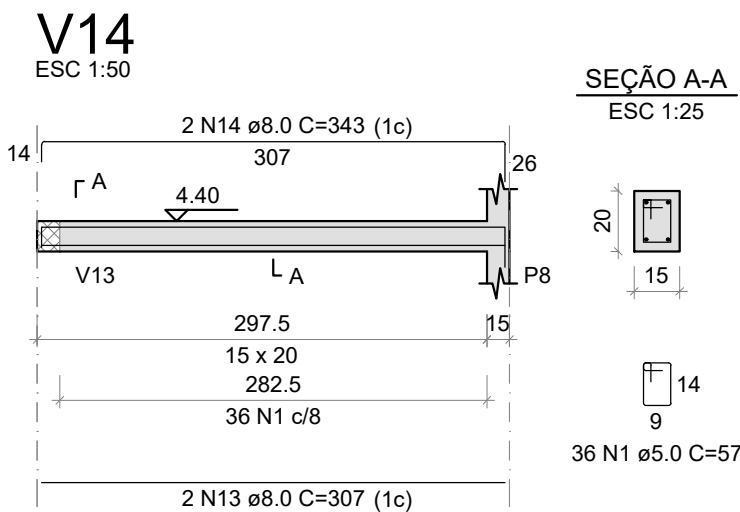
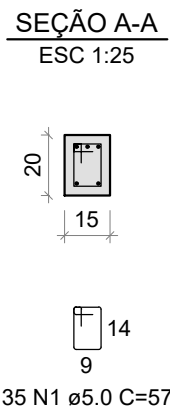
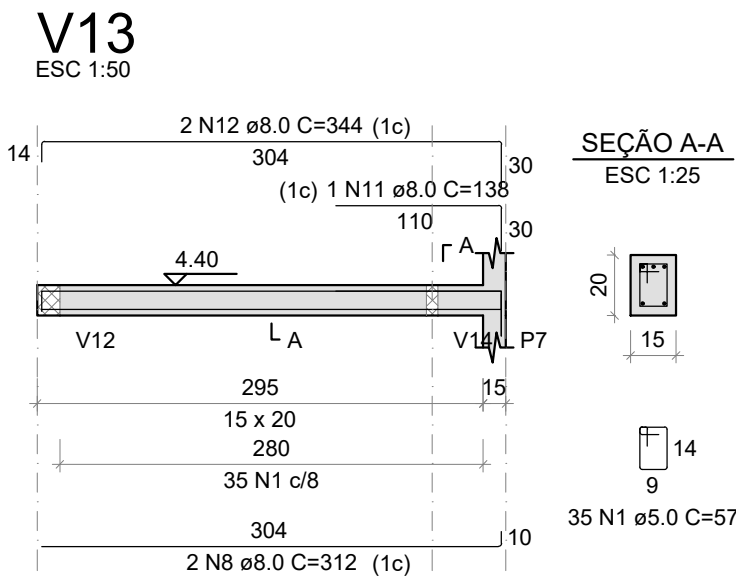
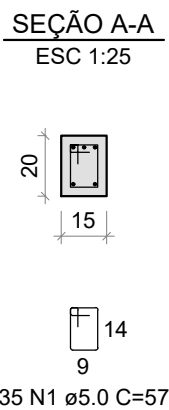
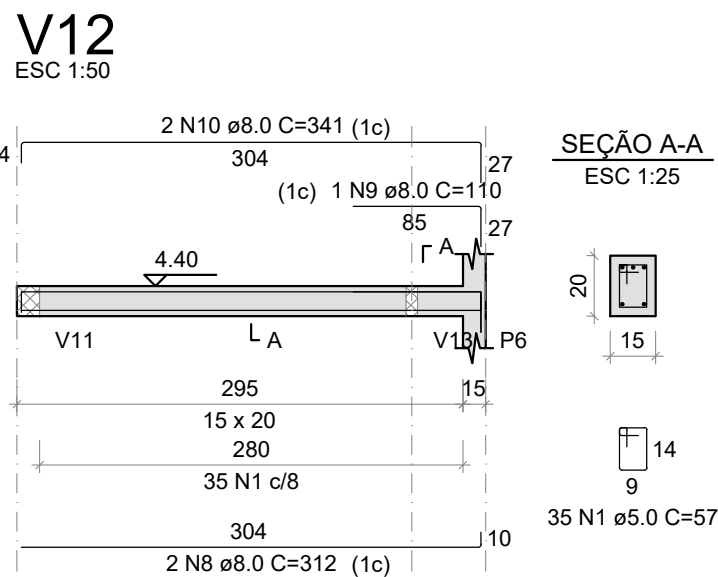
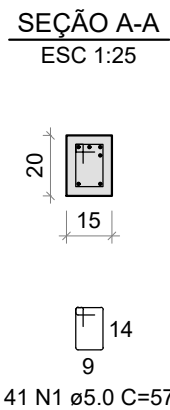
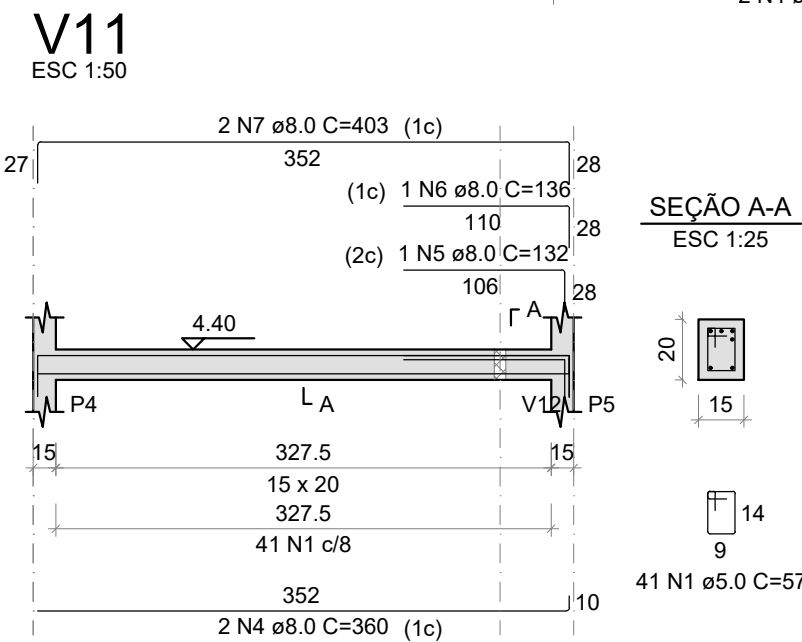
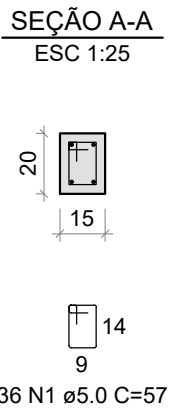
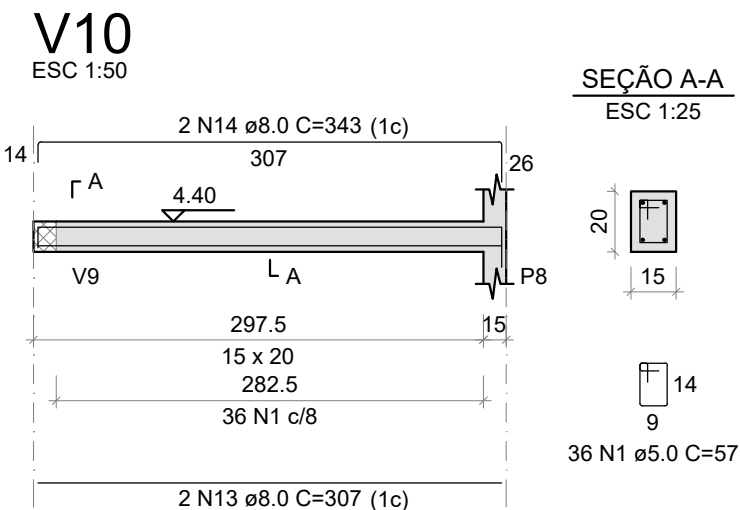
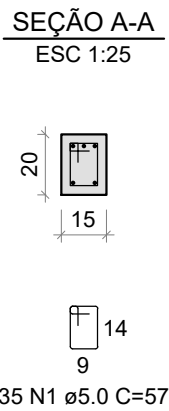
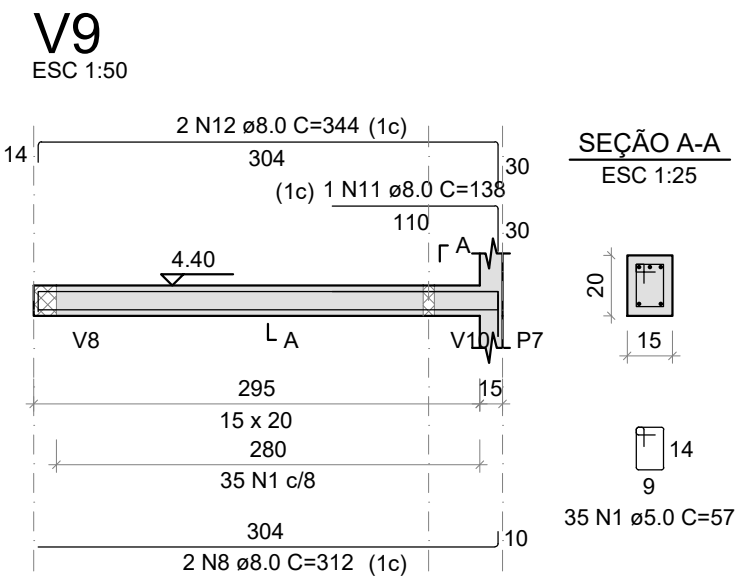
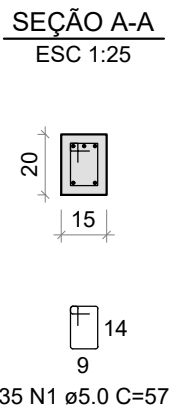
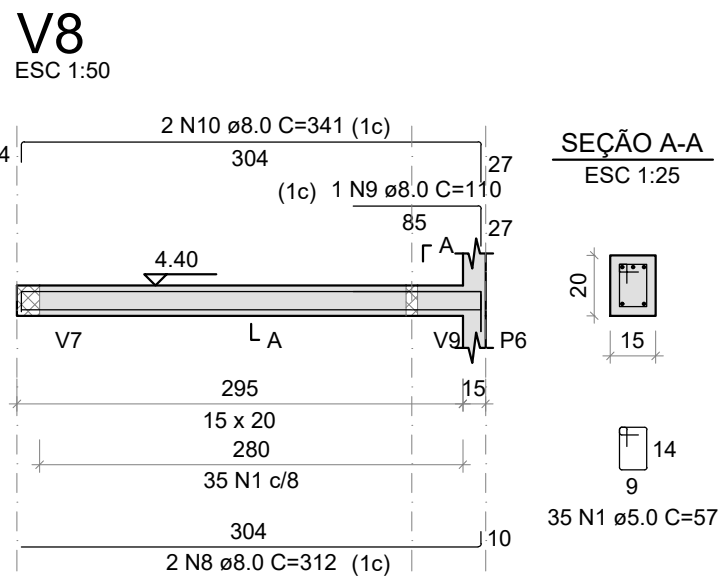
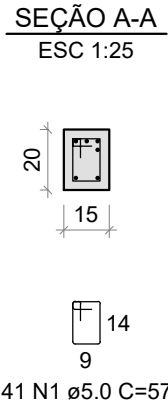
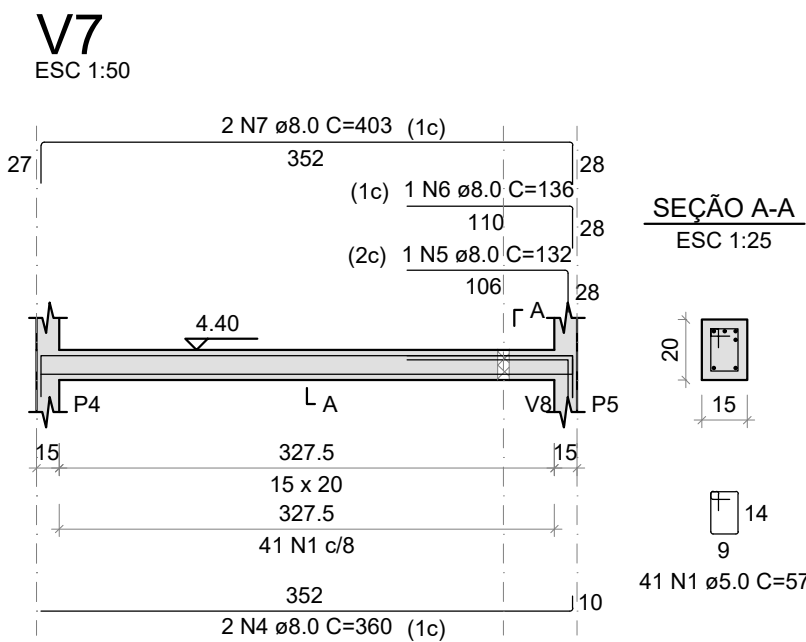
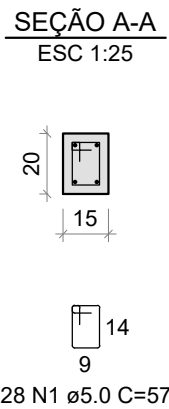
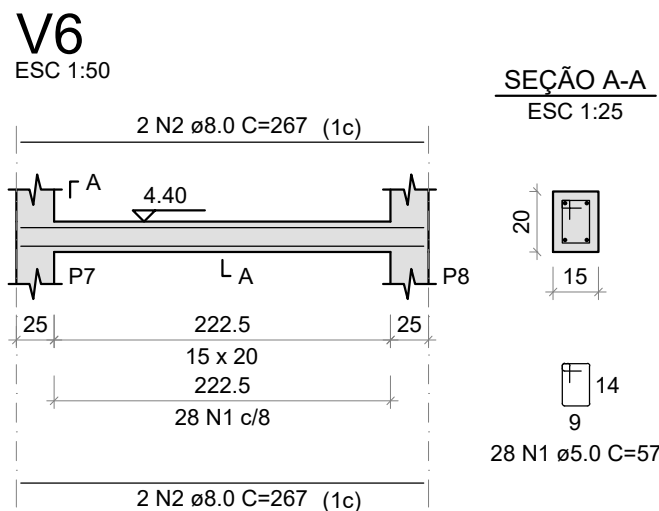
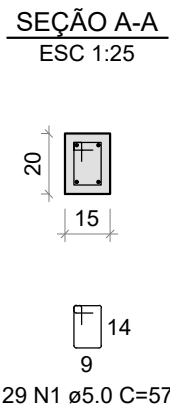
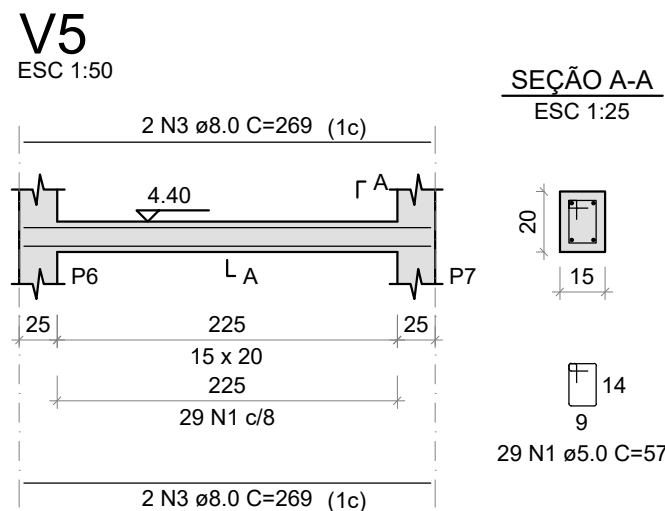
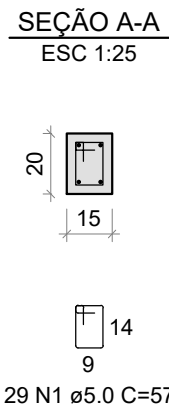
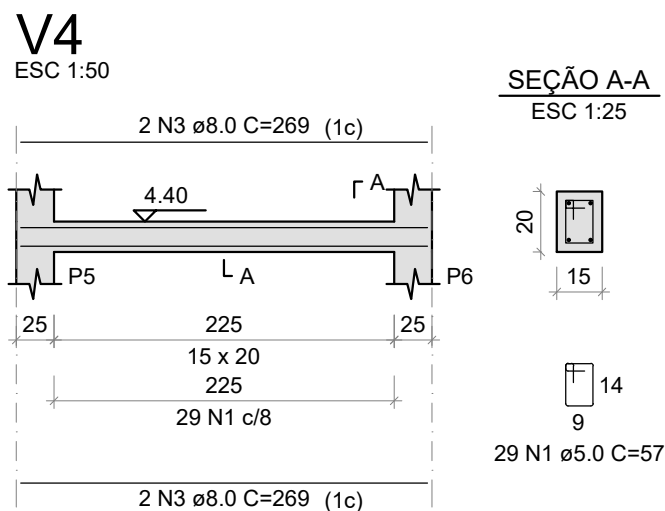
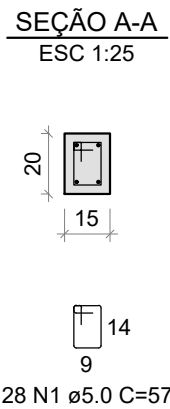
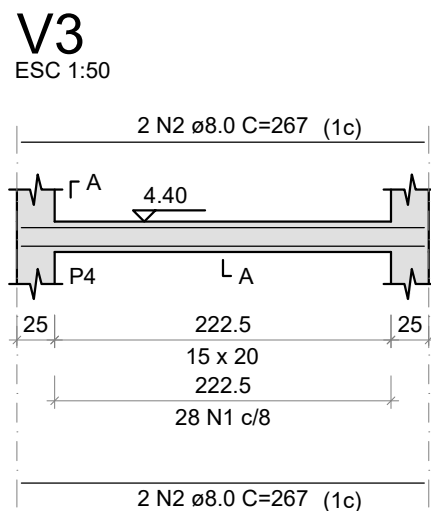


RELAÇÃO DO AÇO 4,40m CH1

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	408	57	23256
CA50	2	8.0	8	267	2136
	3	8.0	8	269	2152
	4	8.0	4	360	1440
	5	8.0	2	132	264
	6	8.0	2	136	272
	7	8.0	4	403	1612
	8	8.0	8	312	2496
	9	8.0	2	110	220
	10	8.0	4	341	1364
	11	8.0	2	138	276
	12	8.0	4	344	1376
	13	8.0	4	307	1228
	14	8.0	4	343	1372

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)	PESO + 10% (kg)
CA50	8.0	162.1	63.9	70.3
CA60	5.0	232.6	35.8	39.4
PESO TOTAL (kg)				
CA50	63.9			
CA60	35.8			

Volume de concreto (C-25) = 1.10 m³
Área de forma = 20.21 m²

RELAÇÃO DO AÇO 4,40m CH2

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	408	57	23256
CA50	2	8.0	8	267	2136
	3	8.0	8	269	2152
	4	8.0	4	360	1440
	5	8.0	2	132	264
	6	8.0	2	136	272
	7	8.0	4	403	1612
	8	8.0	8	312	2496
	9	8.0	2	110	220
	10	8.0	4	341	1364
	11	8.0	2	138	276
	12	8.0	4	344	1376
	13	8.0	4	307	1228
	14	8.0	4	343	1372

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)	PESO + 10% (kg)
CA50	8.0	162.1	63.9	70.3
CA60	5.0	232.6	35.8	39.4
PESO TOTAL (kg)				
CA50	63.9			
CA60	35.8			

Volume de concreto (C-25) = 1.10 m³
Área de forma = 20.21 m²



MUNICÍPIO DE GUAPORÉ
AVENIDA SILVIO SANSON, 11135,
BAIRRO CENTRO,
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www.guapore.rs.gov.br

MUNICÍPIO DE GUAPORÉ

PROJETO: AMPLIAÇÃO E REFORMA DA QUADRA ESPORTIVA NO BAIRRO PINHEIRINHO

SEGUNDA ETAPA

LDOAL: RUA EUCLIDES DA CUNHA, S/Nº, BAIRRO PINHEIRINHO - GUAPORÉ/RS

PROPRIETÁRIO: MUNICÍPIO DE GUAPORÉ - RS

RESP. TÉCNICO: Engº Civil: GABRIEL FRANCISCO VIAN - Crea/RS 242589

ASSUNTO: ARMADURAS VIGAS CHURRASQUEIRAS 1 E 2 - NÍVEL 4,40m

DATA: OUTUBRO 2021

ESCALA: INDICADA

ÁREA TOTAL: 952,27 m²

EST 11