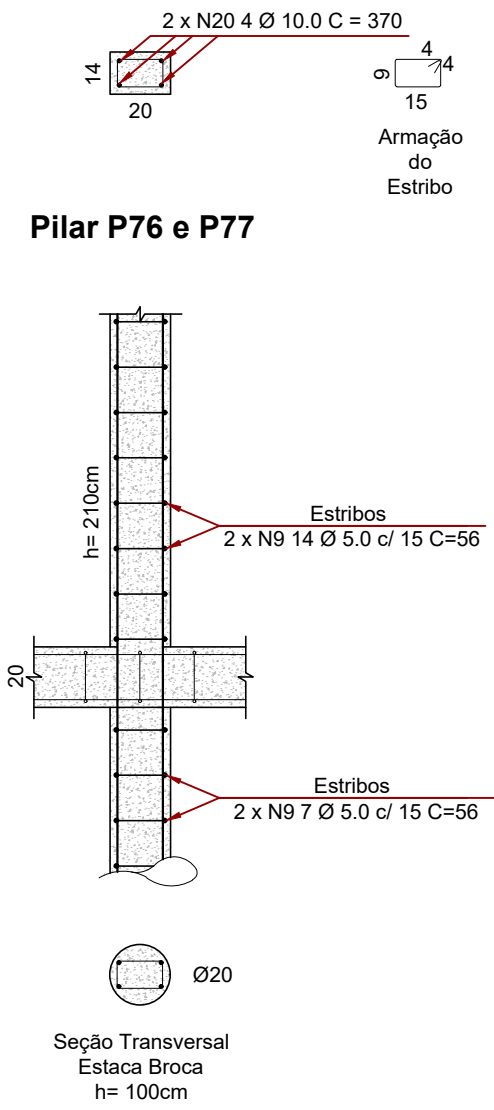
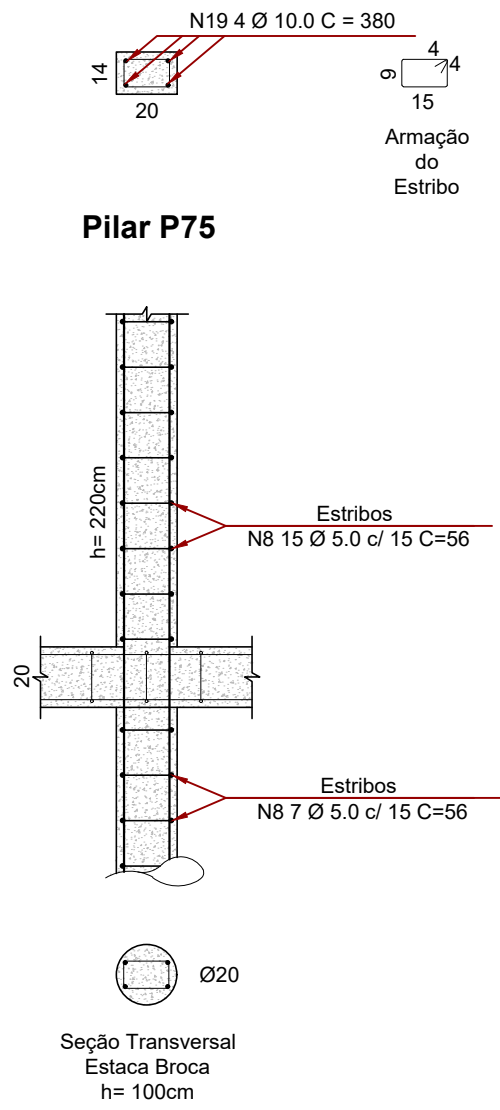
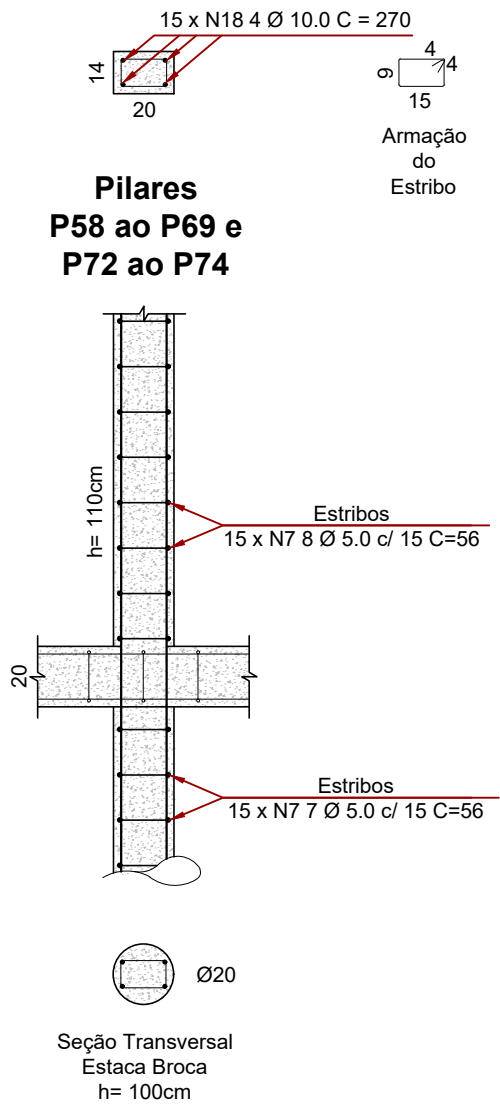
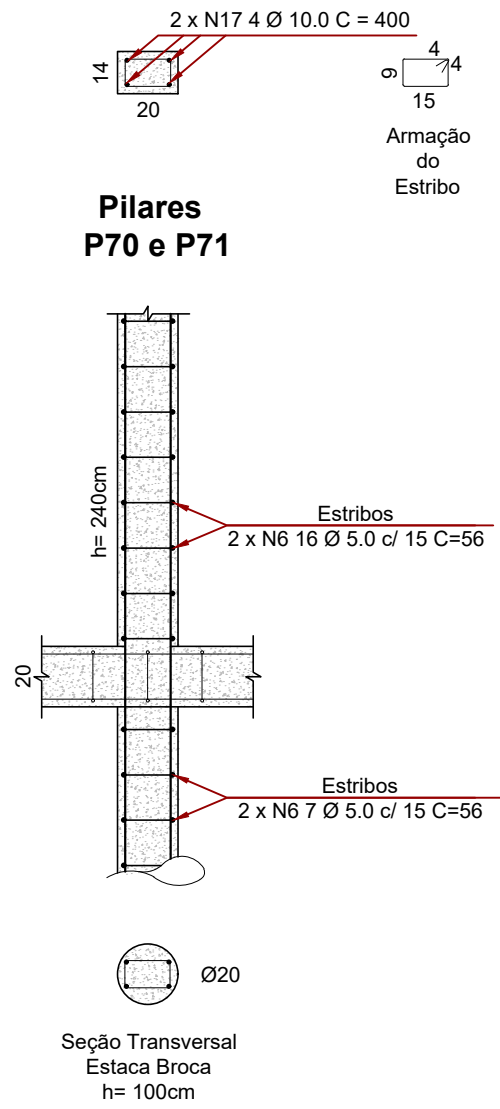
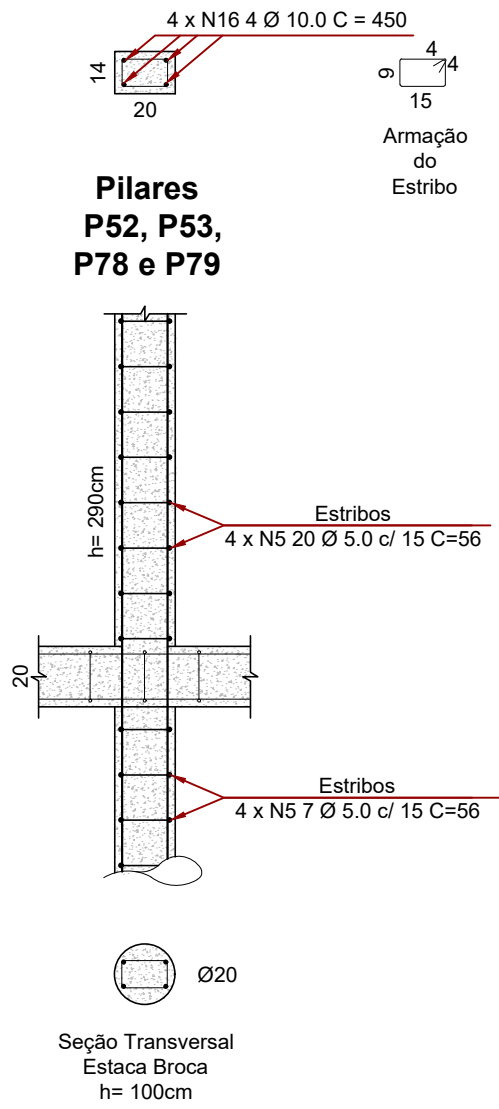
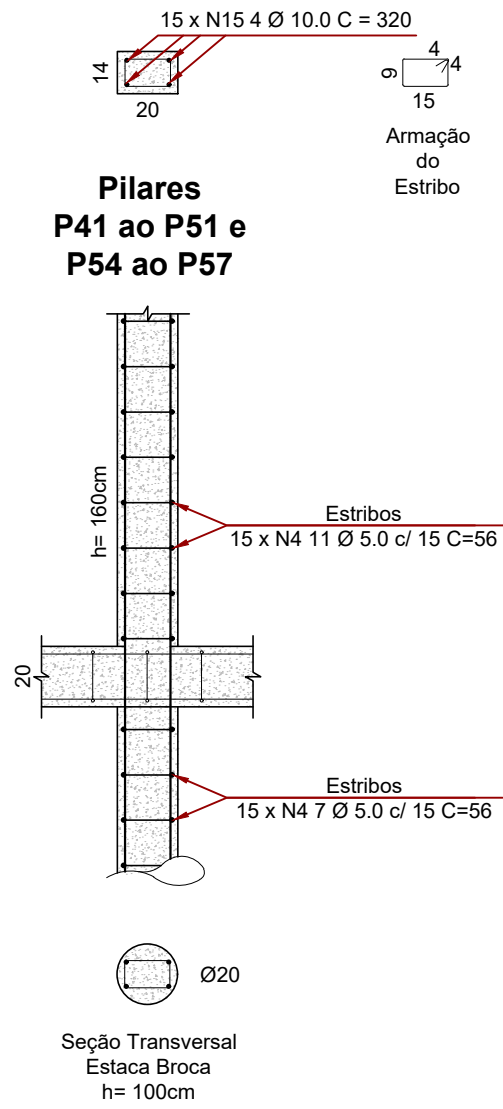
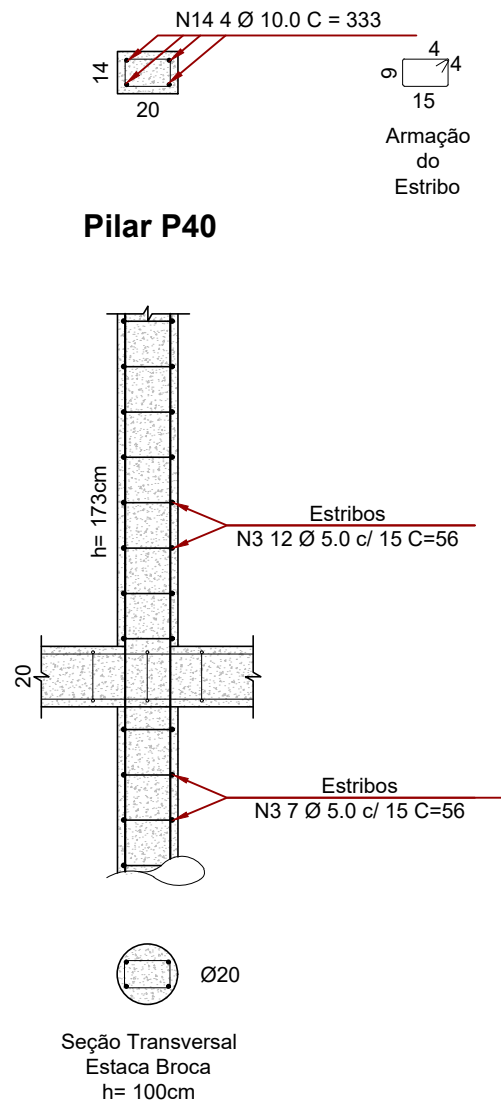
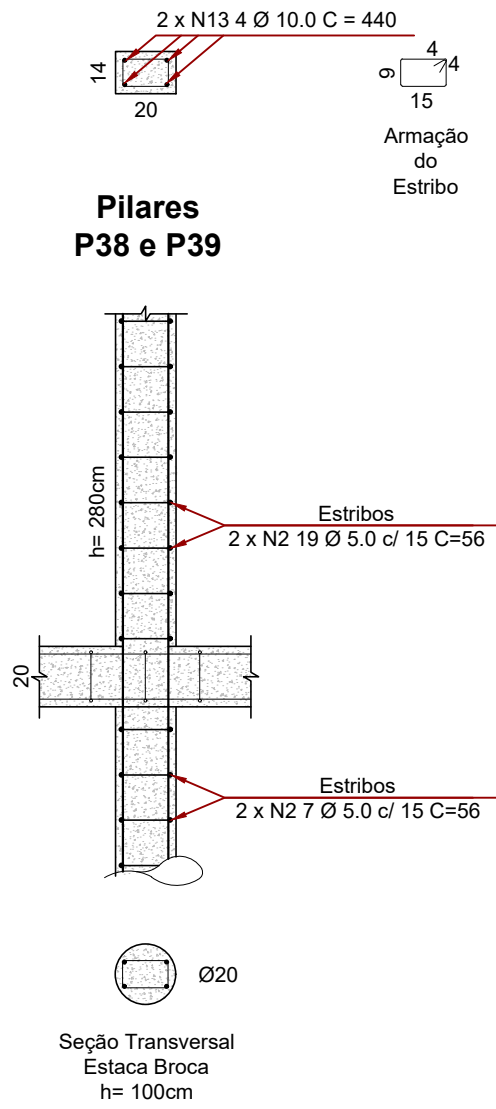
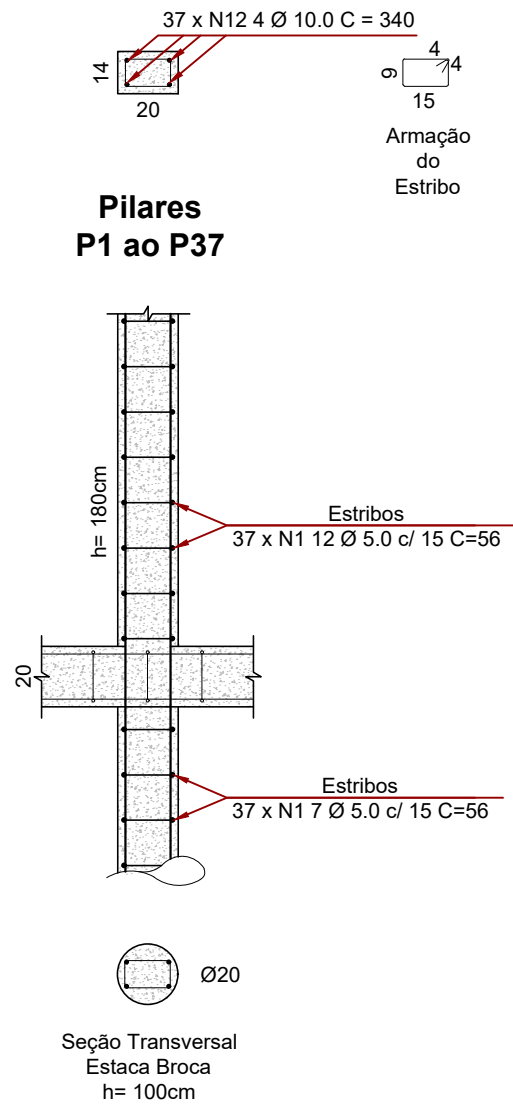
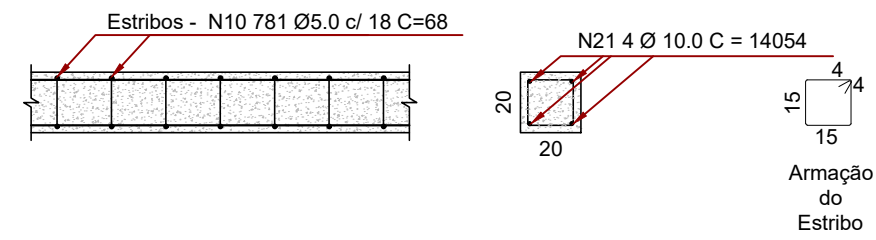
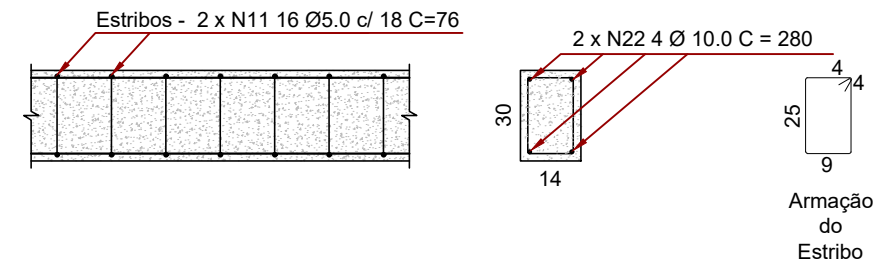




VIGA BALDRAME 20 X 20 cm
escala 1:25



VIGA PORTÃO 14 X 30 cm
escala 1:25



AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	703	56	39368
	2	5.0	52	56	2912
	3	5.0	19	56	1064
	4	5.0	270	56	15120
	5	5.0	108	56	6048
	6	5.0	46	56	2576
	7	5.0	225	56	12600
	8	5.0	22	56	1232
	9	5.0	42	56	2352
	10	5.0	781	68	53108
	11	5.0	32	76	2432
CA50	12	10.0	148	340	50320
	13	10.0	8	440	3520
	14	10.0	4	333	1332
	15	10.0	60	320	19200
	16	10.0	16	450	7200
	17	10.0	8	400	3200
	18	10.0	60	270	16200
	19	10.0	4	380	1520
	20	10.0	8	370	2960
	21	10.0	4	14054	56216
	22	10.0	8	280	2240

Resumo do aço				
AÇO	DIAM	C.TOTAL (m)	PESO LINEAR (kg/m)	PESO (kg)
CA60	5.0	1388.12	0.154	213.77
CA50	10.0	1639.08	0.617	1011.31
PESO TOTAL				
CA60	213.77			
CA50	1011.31			

Obra			
PROJETO DE SERVIÇOS DE MANUTENÇÃO CENTRO DE EDUCAÇÃO INFANTIL CAJUZINHO RUA JOÃO JACOB MIQUERI, nº358, NOVA SÃO PEDRO, SÃO PEDRO DA UNIÃO - MG			
Responsável Técnico		Proprietário	
Higor Augusto Sabag de Paulo Eng. Civil - CREA MG-238.615/D		Município de São Pedro da União CNPJ 18.666.172/0001-64	
Projeto			
ESTRUTURA DE CONCRETO ARMADO			
Descrição		Observações	Folha
FUNDAÇÃO BALDRAMES VIGAS PILARES			1
Data		ART: MG20210568515	Conj. 2
03/09/2021		Desenho Engº Civil Valquíria Ramos	Conferência Higor Sabag