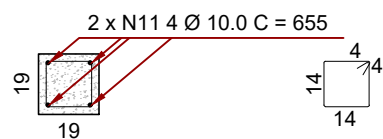
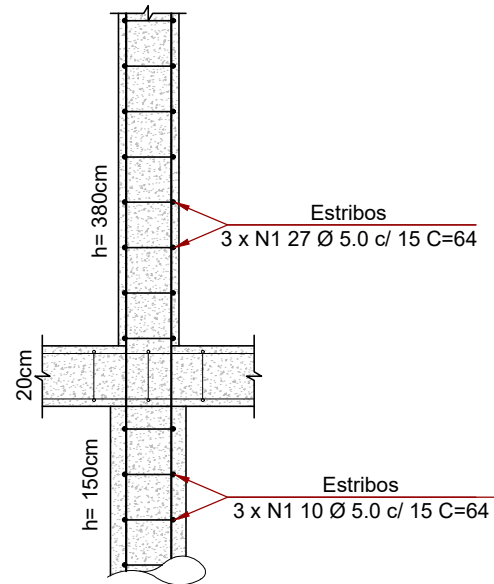
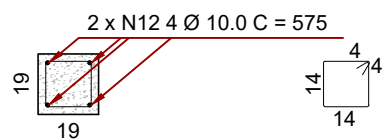
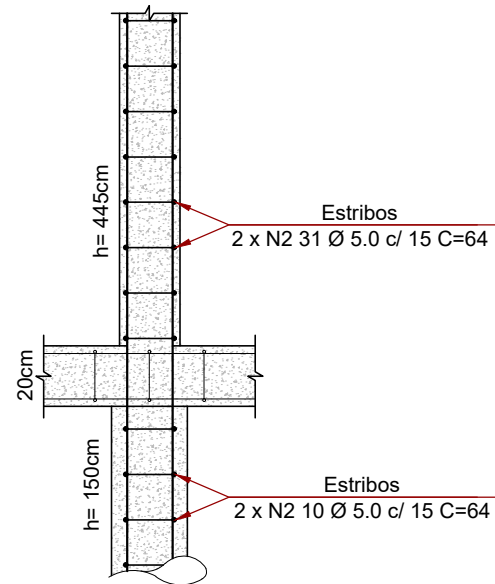


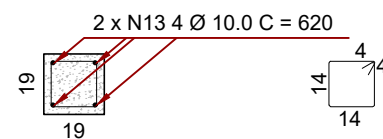
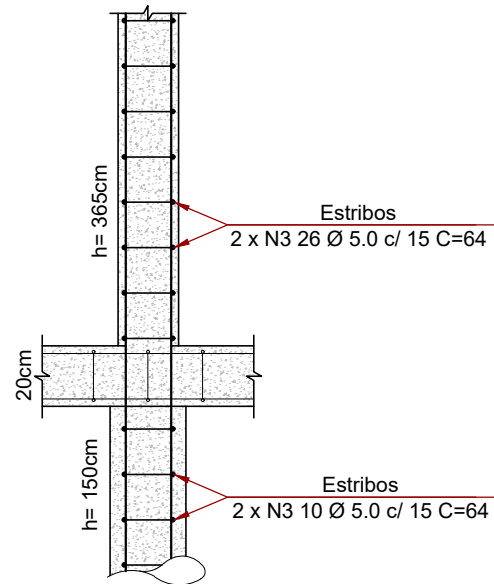
Pilares
P1, P2 e P3



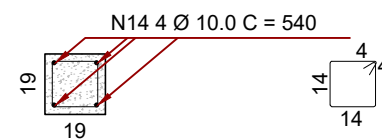
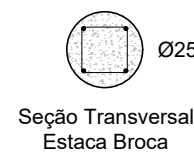
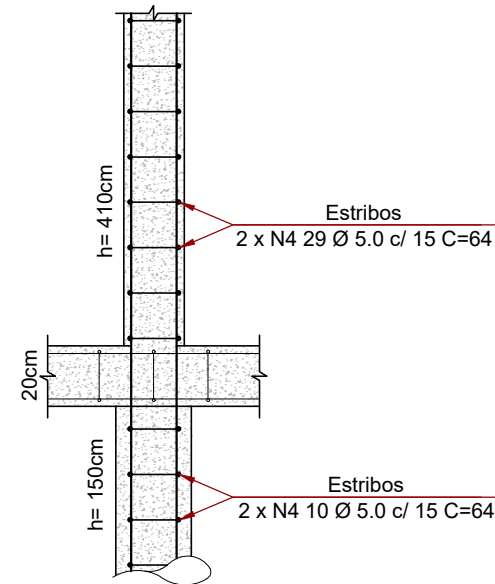
Pilares
P8 e P10



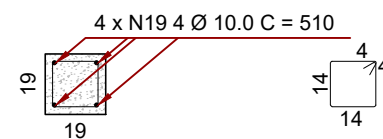
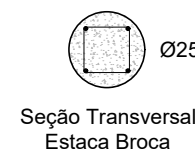
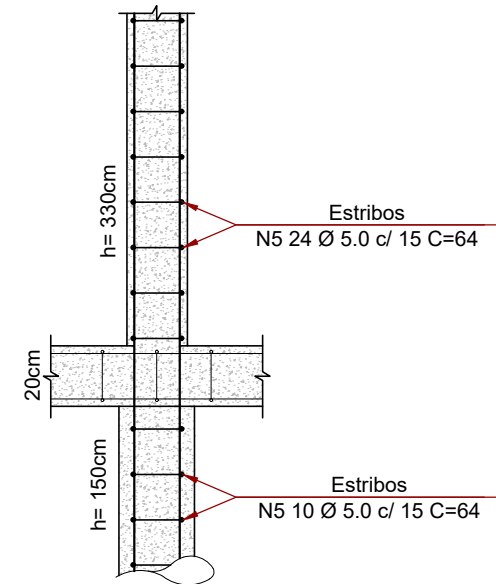
Pilares
P9 e P11



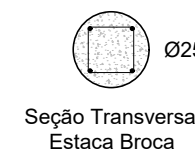
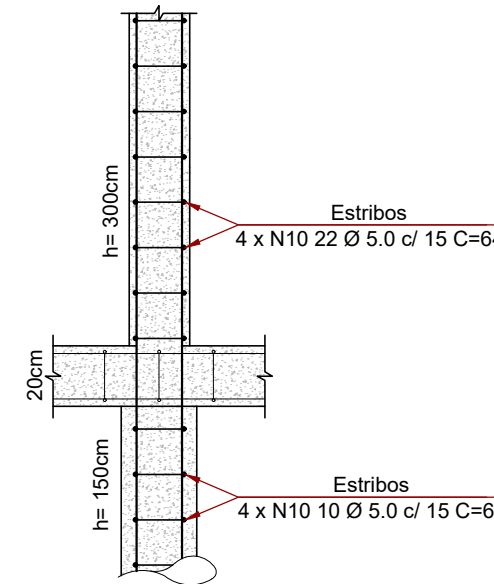
Pilares
P12 e P14



Pilar P13



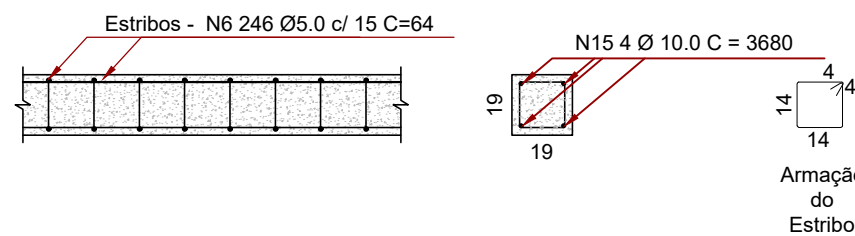
Pilares P4,
P5, P6 e P7



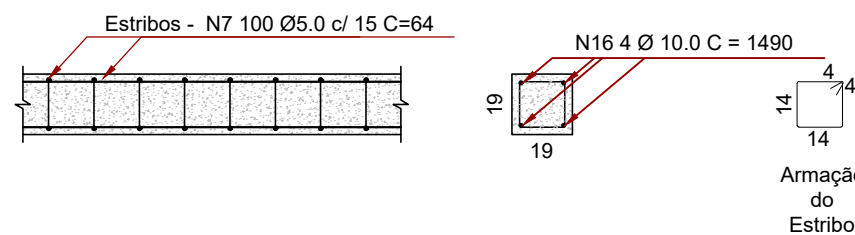
OBS: Cobrimento mínimo da armadura - 2,5 cm;
Aço das estacas broca igual à dos pilares;
Comprimento do aço dos pilares incluso 40 cm de espera.

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	111	64	7104
	2	5.0	82	64	5248
	3	5.0	72	64	4608
	4	5.0	78	64	4992
	5	5.0	34	64	2176
	6	5.0	246	64	15744
	7	5.0	100	64	6400
	8	5.0	244	86	20984
	9	5.0	16	64	1024
	10	5.0	128	64	8192
CA50	11	10.0	12	590	7080
	12	10.0	8	655	5240
	13	10.0	8	575	4600
	14	10.0	8	620	4960
	15	10.0	4	540	2160
	16	10.0	4	3680	14720
	17	10.0	4	1490	5960
		12.5	1	600	600
	18	10.0	4	3660	14640
	19	10.0	4	235	940
	20	10.0	16	510	8160

VIGA BALDRAME 19 X 19 cm
escala 1:25



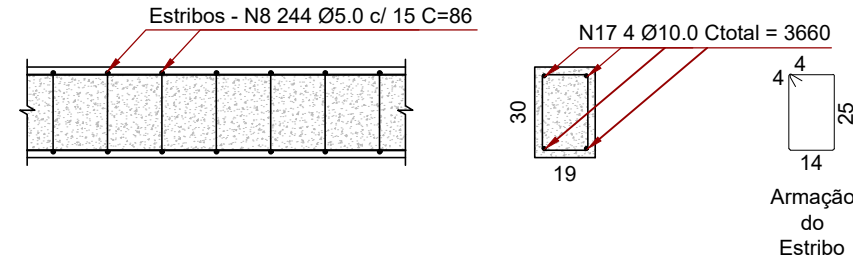
VIGA DE AMARRAÇÃO 19 X 19 cm
escala 1:25



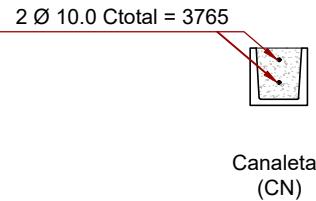
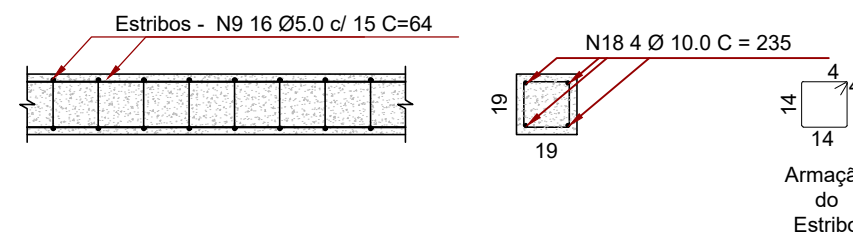
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO LINEAR (kg/m)	PESO (kg)
CA60	5.0	764.72	0.154	117.77
CA50	10.0	684.60	0.617	422.40
	12.5	6.00	0.963	5.78
PESO TOTAL				
CA60	117.77			
CA50	428.18			

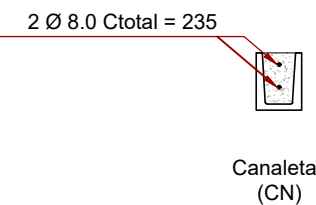
VIGA DE AMARRAÇÃO 19 X 30 cm
escala 1:25



VIGA DE AMARRAÇÃO 19 X 19 cm
escala 1:25



CANALETAS (CN)
19 X 19 X 19 cm



CANALETAS (CN)
14 X 19 X 19 cm

Obra	PROJETO DE AMPLIAÇÃO E SERVIÇOS DE MANUTENÇÃO DO VELÓRIO MUNICIPAL		
AVENIDA TADEU BEATRIZ DE SIQUEIRA, nº 275, CENTRO, 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	PROJETO ESTRUTURAL		
Descrição	DETALHES ESTRUTURAIS		Folha 1
ART: MG20221581911		Conj. 2	Fia./Conj. 1
Data	Escala	Desenho Engº civil	Conferência
24/10/2022	INDICADAS	Valquíria Ramos	Higor Sabag