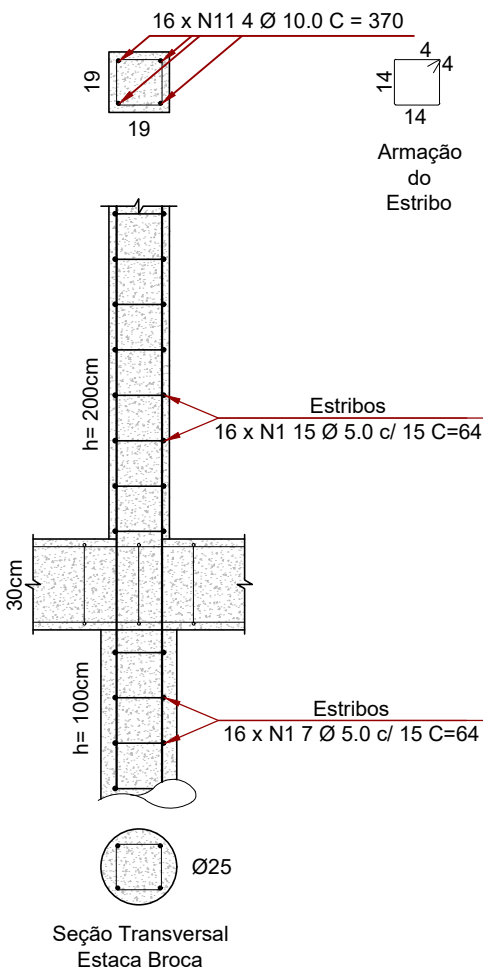
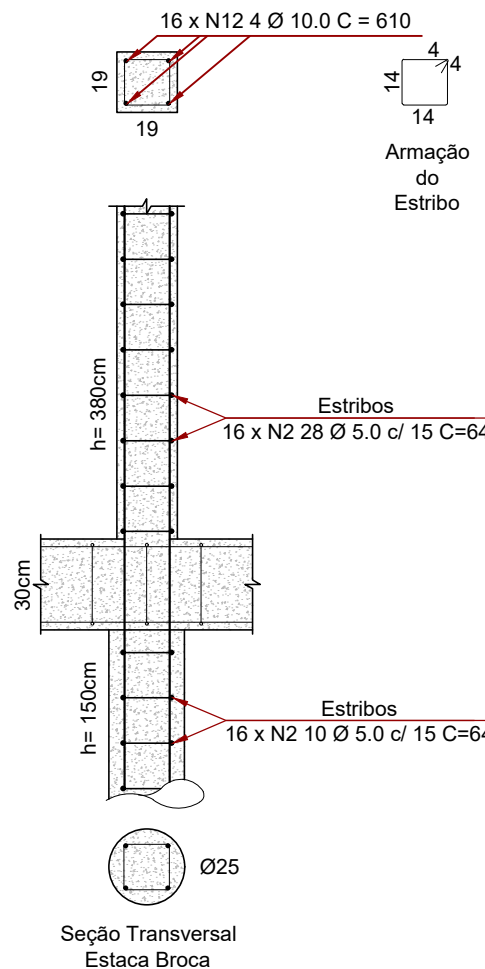


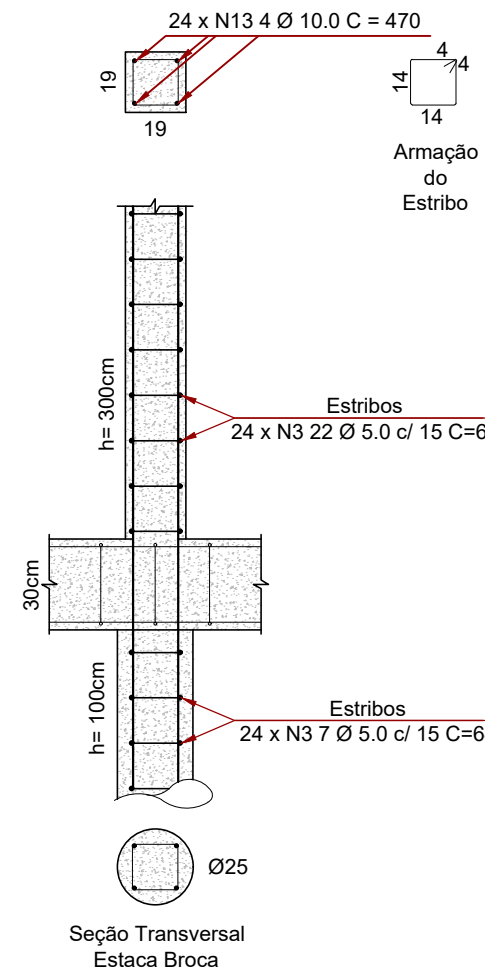
Pilares
P1 ao P7, P46, P48, P50, P52,
P54, P56, P57, P59 e P61



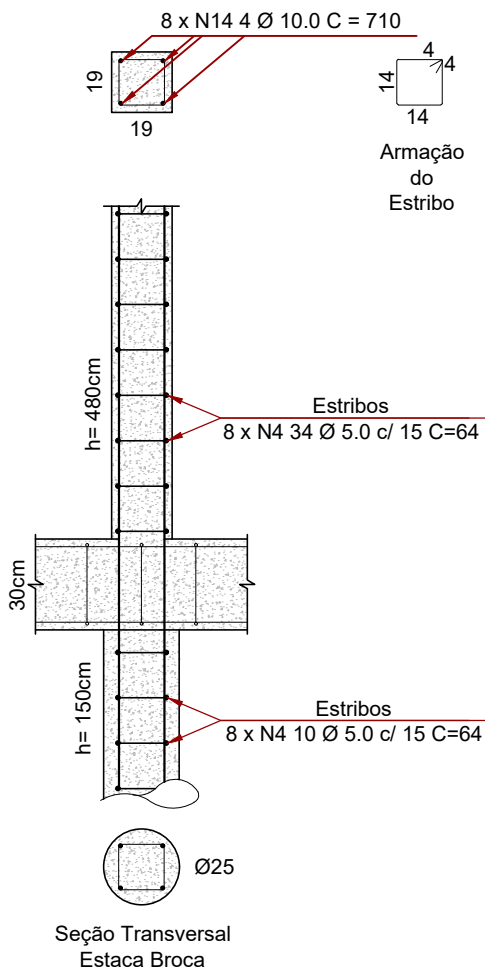
Pilares
P33, P36, P39, P44, P45, P47,
P49, P51, P53, P55, P58, P60,
P62, P64, P66 e P70



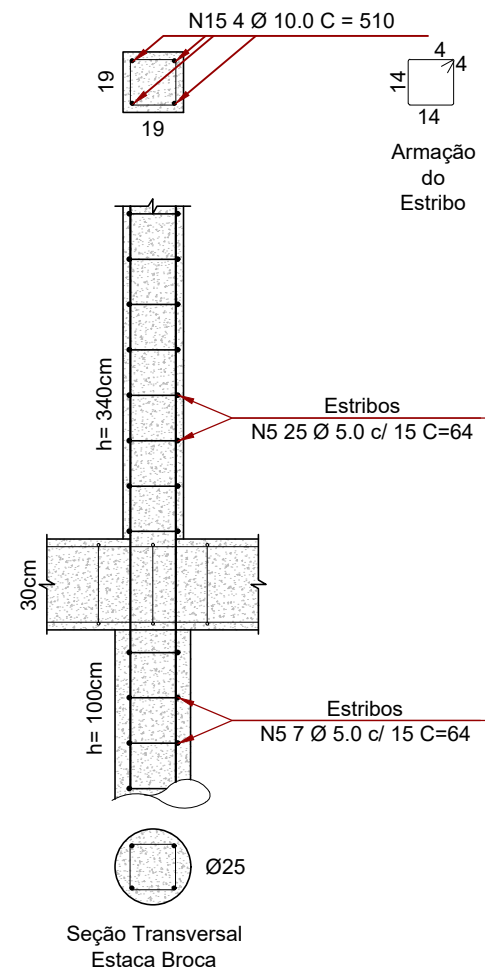
Pilares
P9, P10, P12, P13, P15, P16, P18, P19, P23,
P25, P26, P28, P30, P31, P32, P34, P35,
P37, P38, P40, P41, P42, P43 e P65



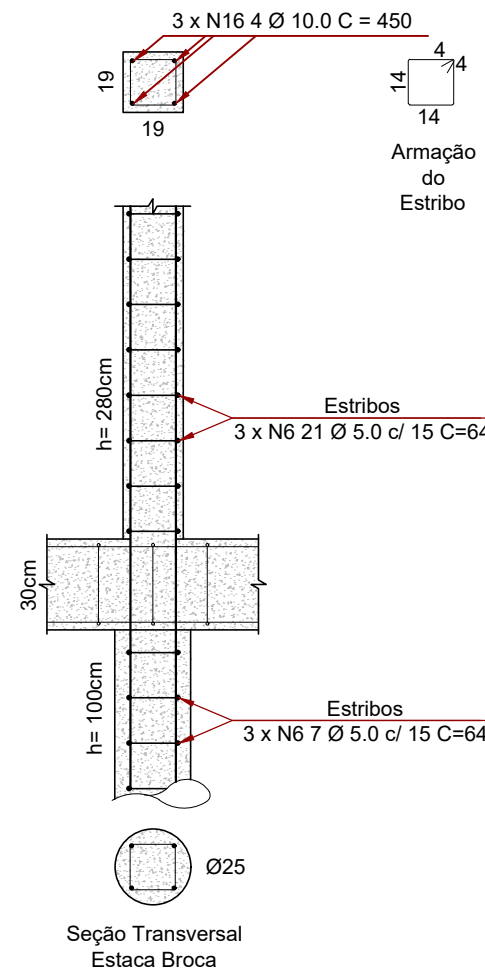
Pilares
P8, P11, P14, P17, P22,
P24, P27, P29



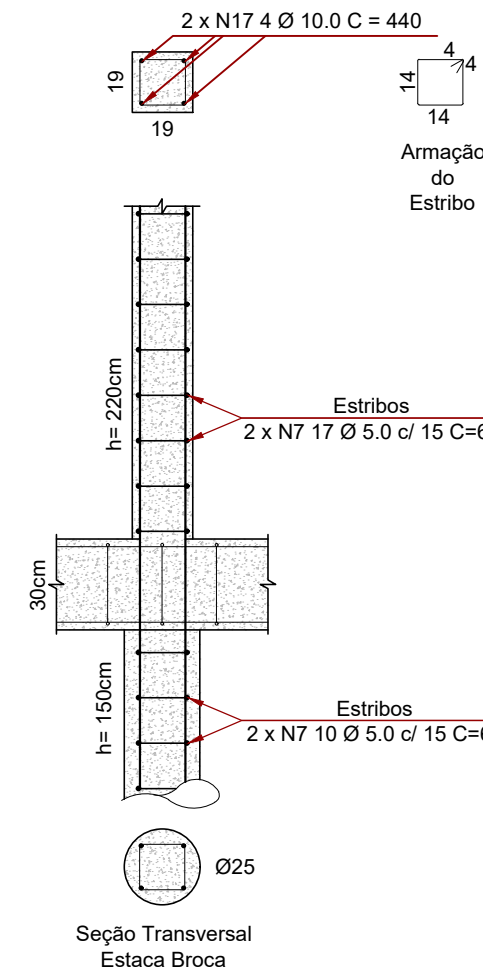
Pilar P63



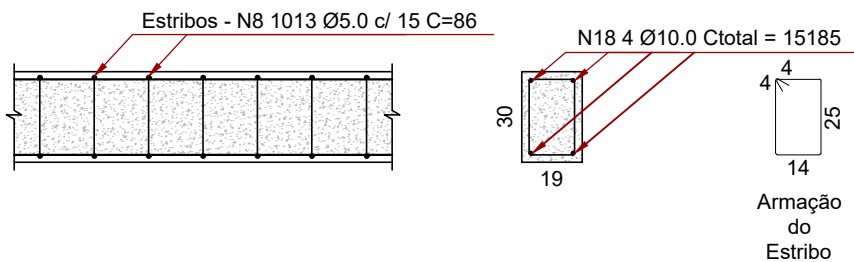
Pilares
P67, P68 e P69



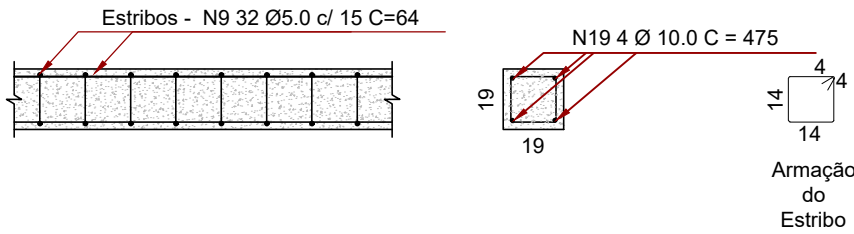
Pilares
P20 e P21



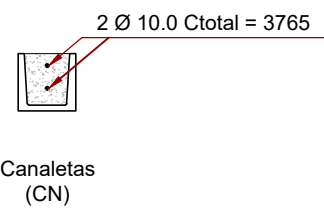
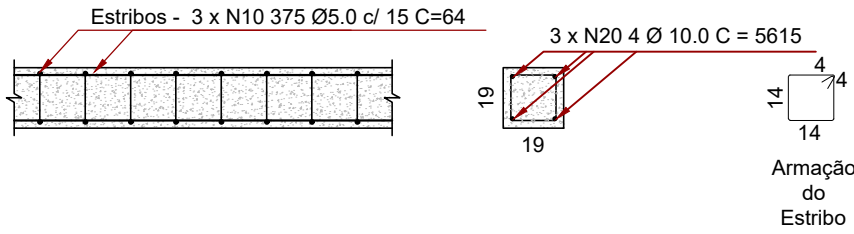
VIGA BALDRAME 19 X 30 cm
escala 1:25



VIGA DE AMARRAÇÃO 19 X 19 cm
escala 1:25



VIGA DE AMARRAÇÃO 19 X 19 cm
escala 1:25

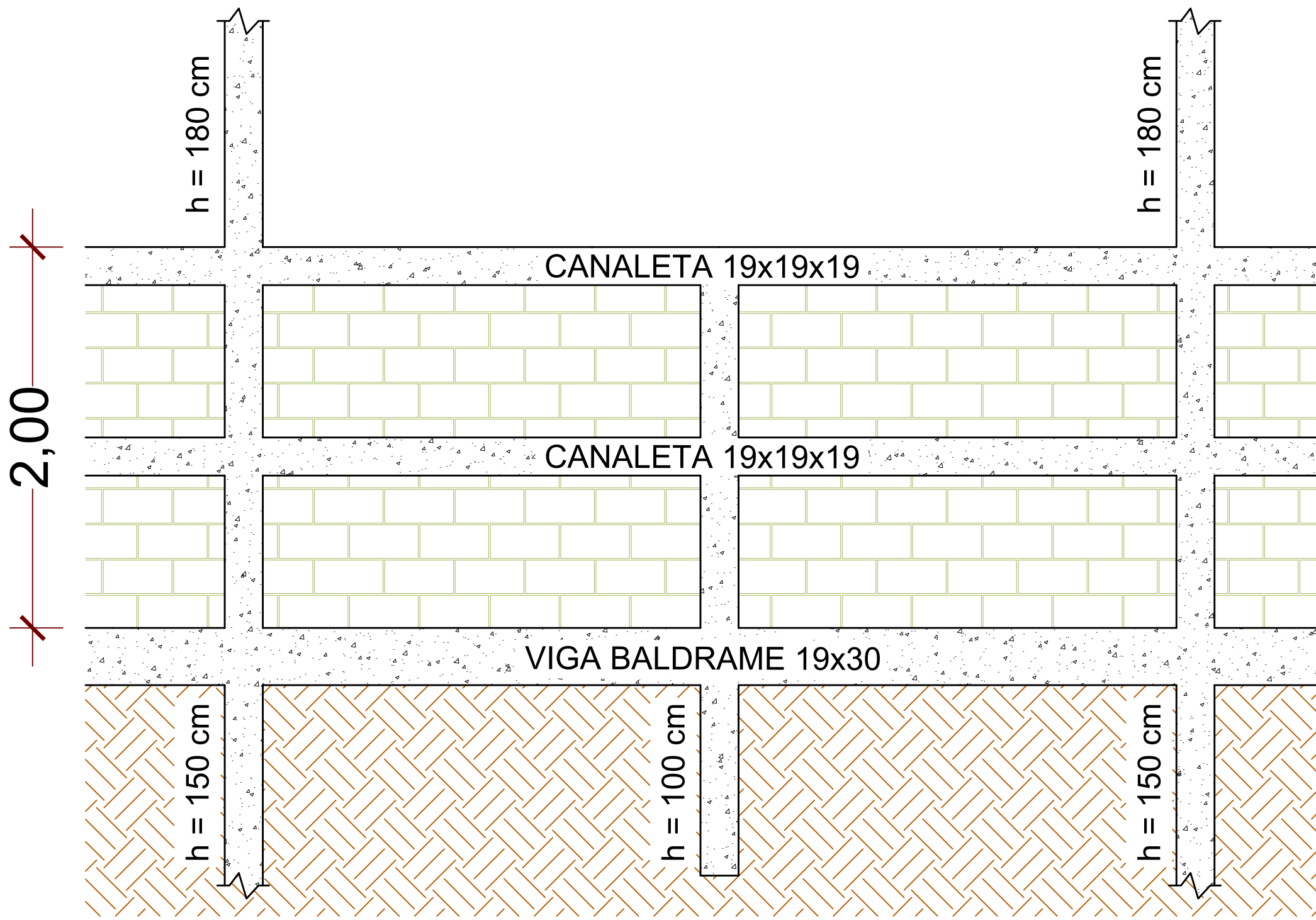
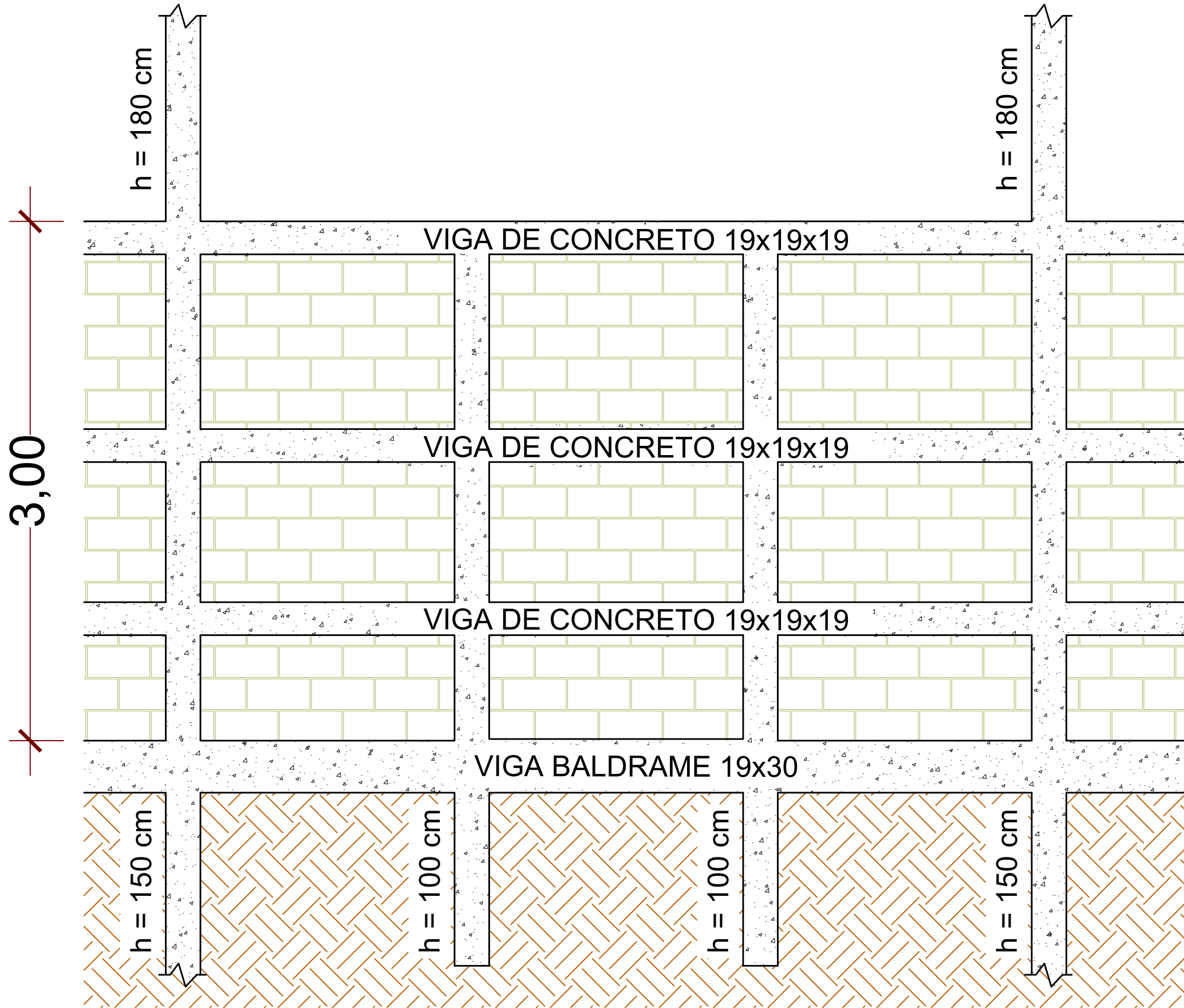


CANALETAS (CN)
19 X 19 X 19 cm

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	352	64	22528
	2	5.0	608	64	38912
	3	5.0	696	64	44544
	4	5.0	352	64	22528
	5	5.0	32	64	2048
	6	5.0	84	64	5376
	7	5.0	54	64	3456
	8	5.0	1013	86	87118
	9	5.0	32	64	2048
	10	5.0	1125	64	72000
CA50	11	10.0	64	370	23680
	12	10.0	64	610	39040
	13	10.0	96	470	45120
	14	10.0	32	710	22720
	15	10.0	4	510	2040
	16	10.0	12	450	5400
	17	10.0	8	440	3520
	18	10.0	4	15185	60740
	19	10.0	4	475	1900
	20	10.0	12	5615	67380

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO LINEAR (kg/m)	PESO (kg)
CA60	5.0	3005.58	0.154	462.86
CA50	10.0	2715.40	0.617	1675.40
PESO TOTAL				
CA60				462.86
CA50				1675.40



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.
Pilares de apoio das tesouras incluso 10 cm para soldar na

Obra	PROJETO DE ESTACIONAMENTO DA E. M. DOM HUGO BRESSANE RUA GEDEÃO PEREIRA DA COSTA, 110, CENTRO, SÃO PEDRO DA UNIÃO - MG		
Responsável Técnico	Higor Augusto Sabag de Paulo Eng. Civil - CREA MG-238.615/D		Proprietário
Projeto	Município de São Pedro da União CNPJ 18.666.172/0001-64		
Descrição	PROJETO ESTRUTURAL		Folha 1
DETALHES ESTRUTURAIS		Observações	Conj. 2 Fla./Conj. 1
Data	24/10/2022	Escala	INDICADAS
Desenho Engr.º civil	Vaiquiria Ramos	Conferência	Higor Sabag