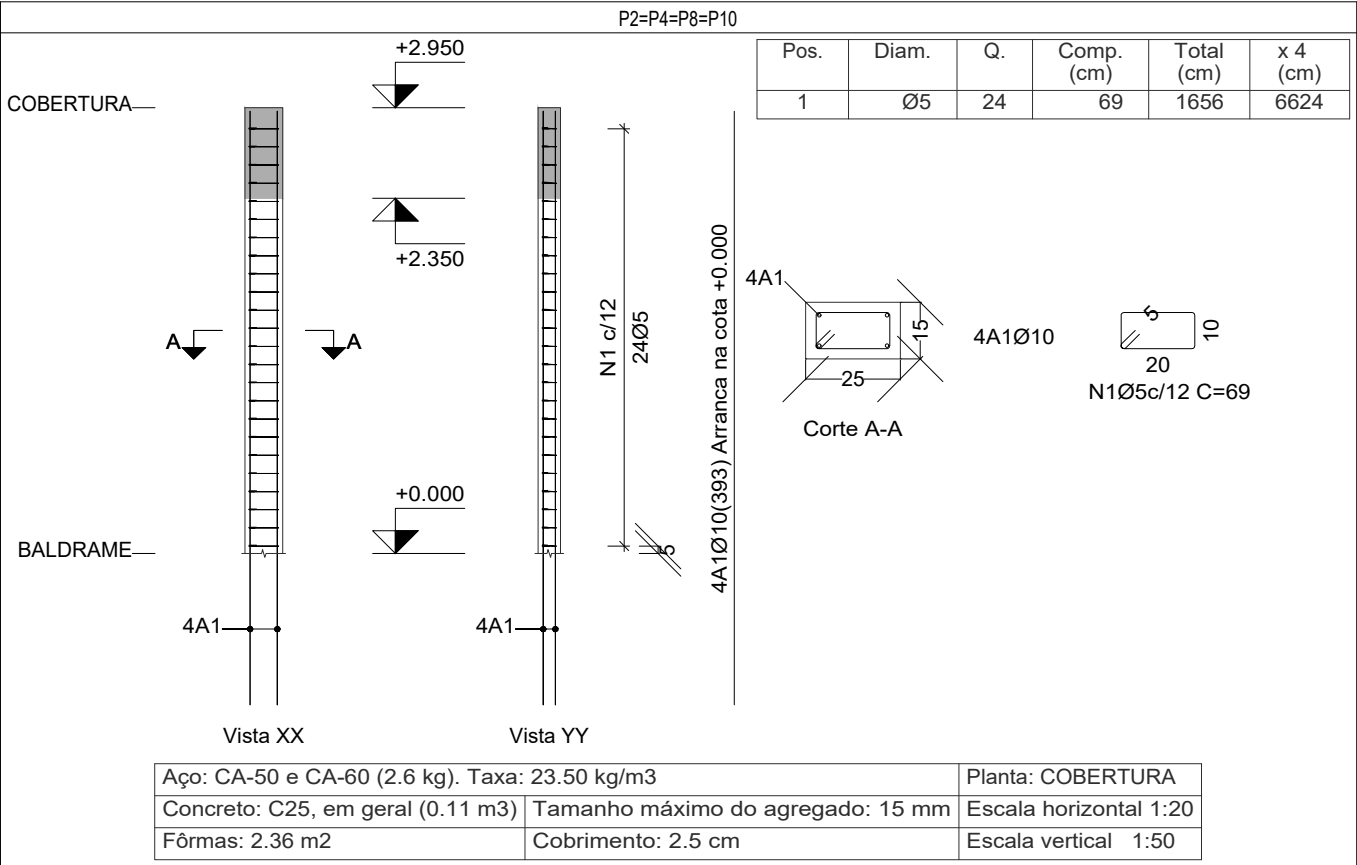
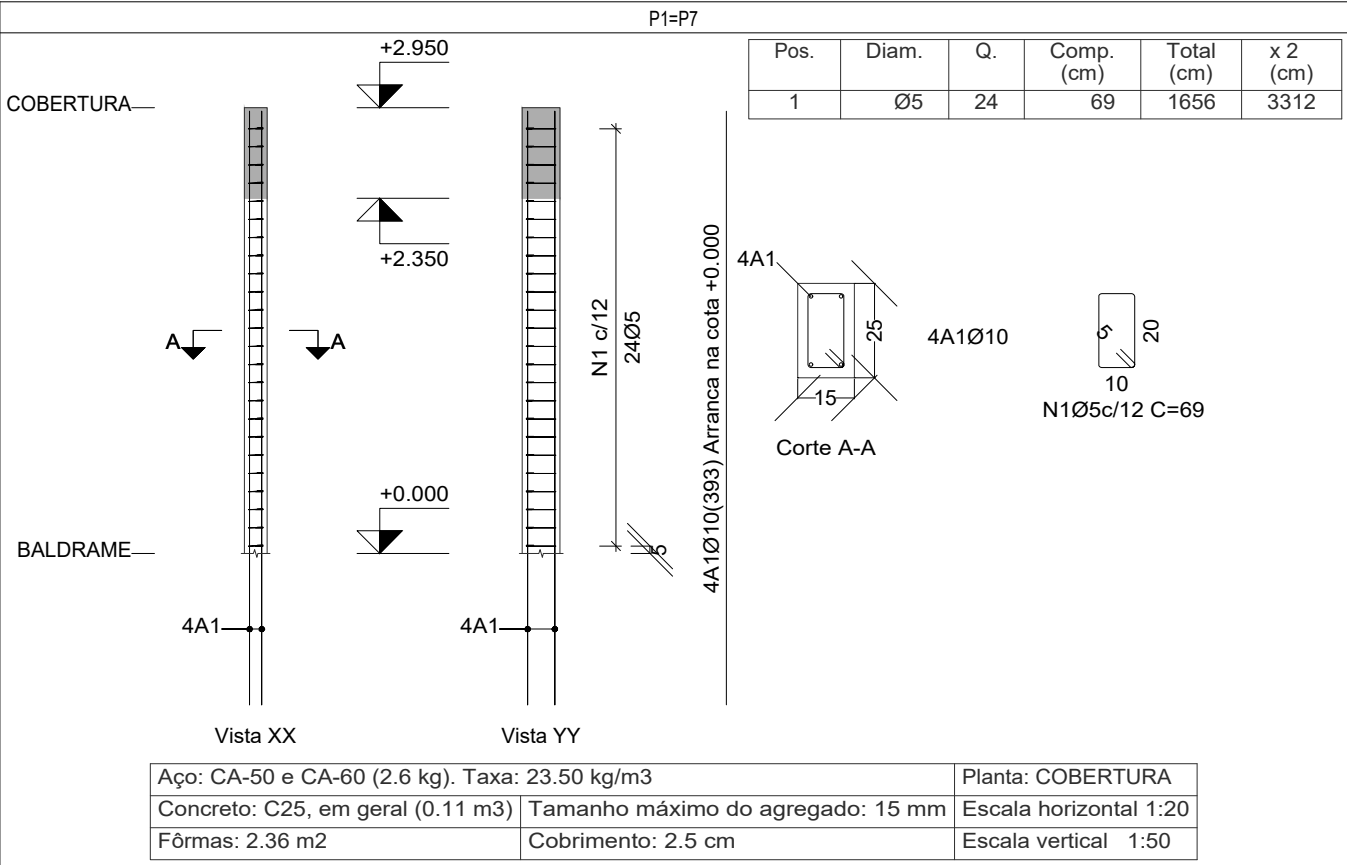
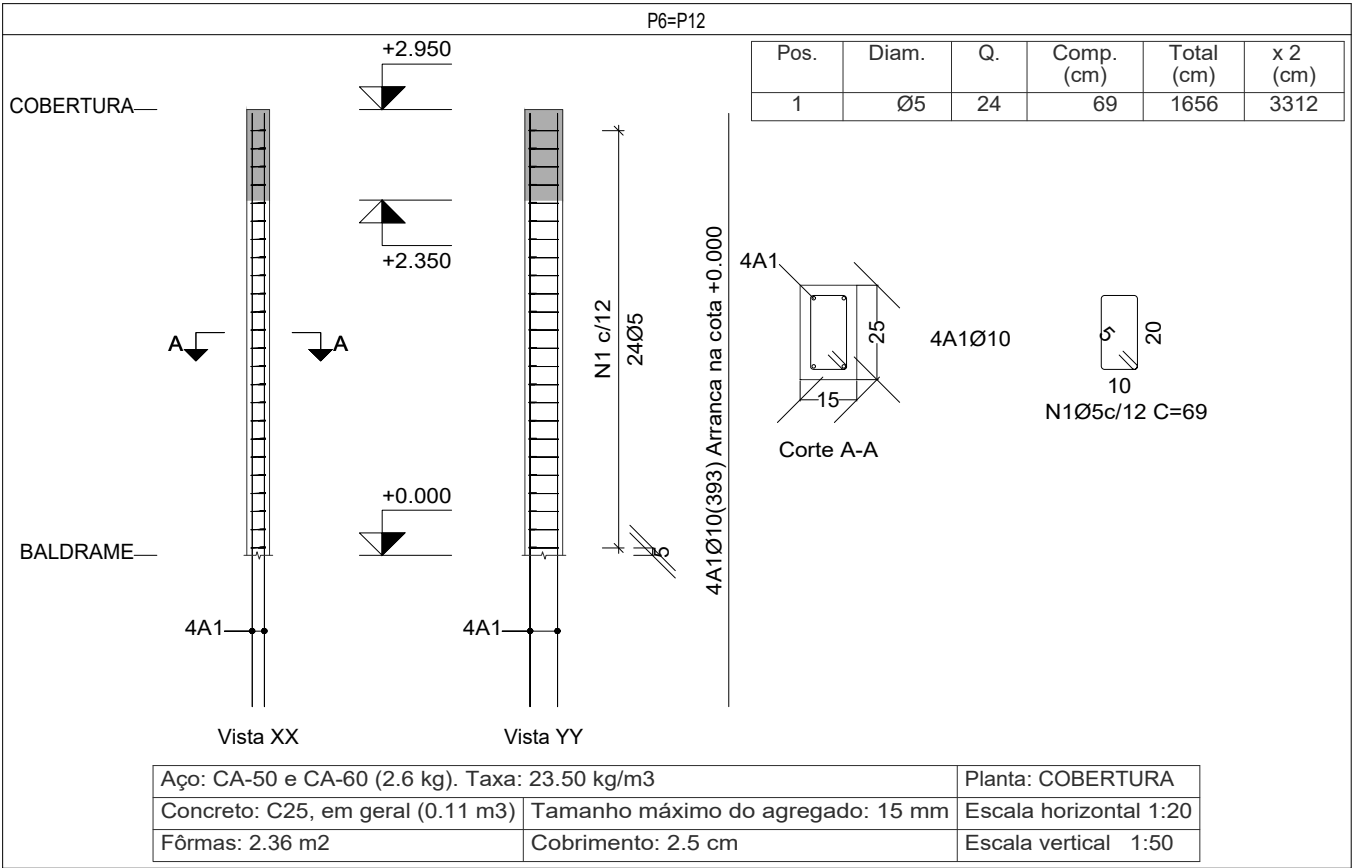


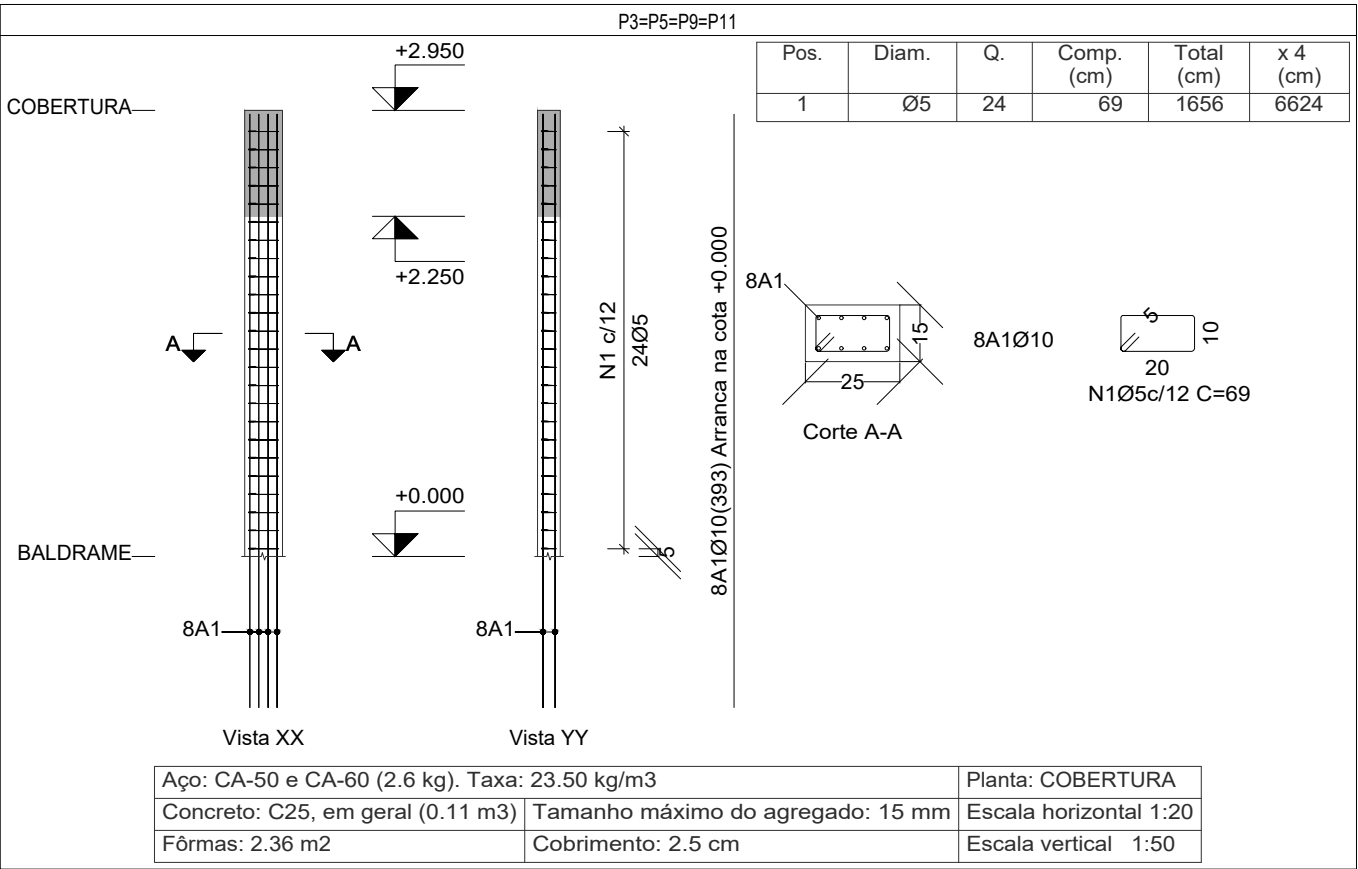


Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P1=P7	1	Ø5	24		69	1656		2.6
	Total: (x2):							2.6 5.2
P6=P12	1	Ø5	24		69	1656		2.6
	Total: (x2):							2.6 5.2
P2=P4=P8=P10	1	Ø5	24		69	1656		2.6
	Total: (x4):							2.6 10.4
P3=P5=P9=P11	1	Ø5	24		69	1656		2.6
	Total: (x4):							2.6 10.4
						Ø5:	0.0	31.2
						Total:	0.0	31.2



Resumo Aço Pilares	Comp. total (m)	Peso (kg)
CA-60 Ø5	198.7	31

Planta: COBERTURA
Concreto: C25, em geral
Aço dos estribos: CA-50 e CA-60



Projeto: 022/2025	EDUCACIONAL	Data: 09/2026
Local:	Novorizonte - MG	
Nome:	Prefeitura Municipal de Novorizonte - MG	
Des.no.:	Planta: Cálculo Estrutural Reforma/Adequação e Ampliação da Escola Municipal de Havana	
Autor: Paloma Almeida Duarte - CREA-MG 366944	05/08	