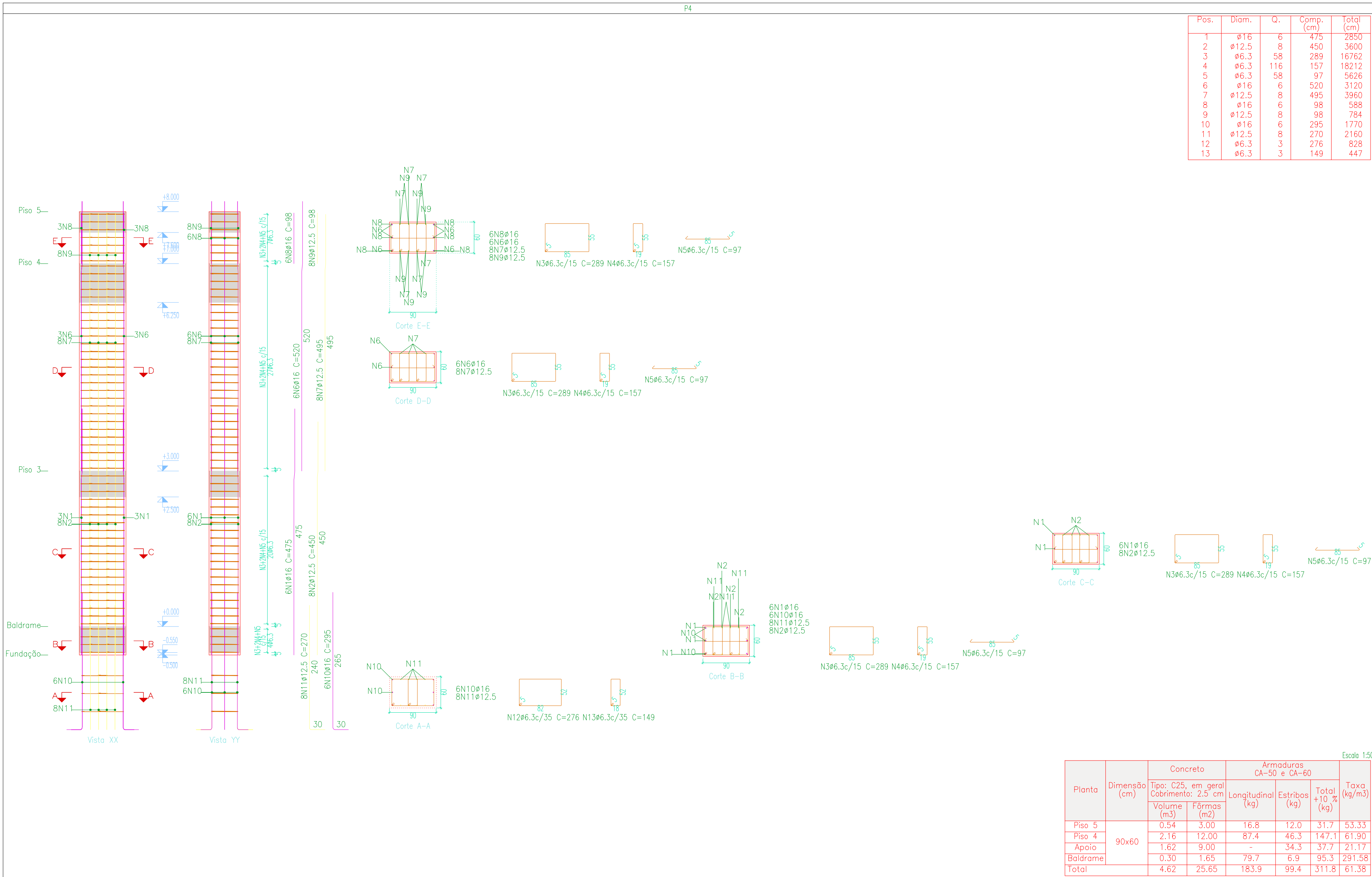
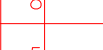
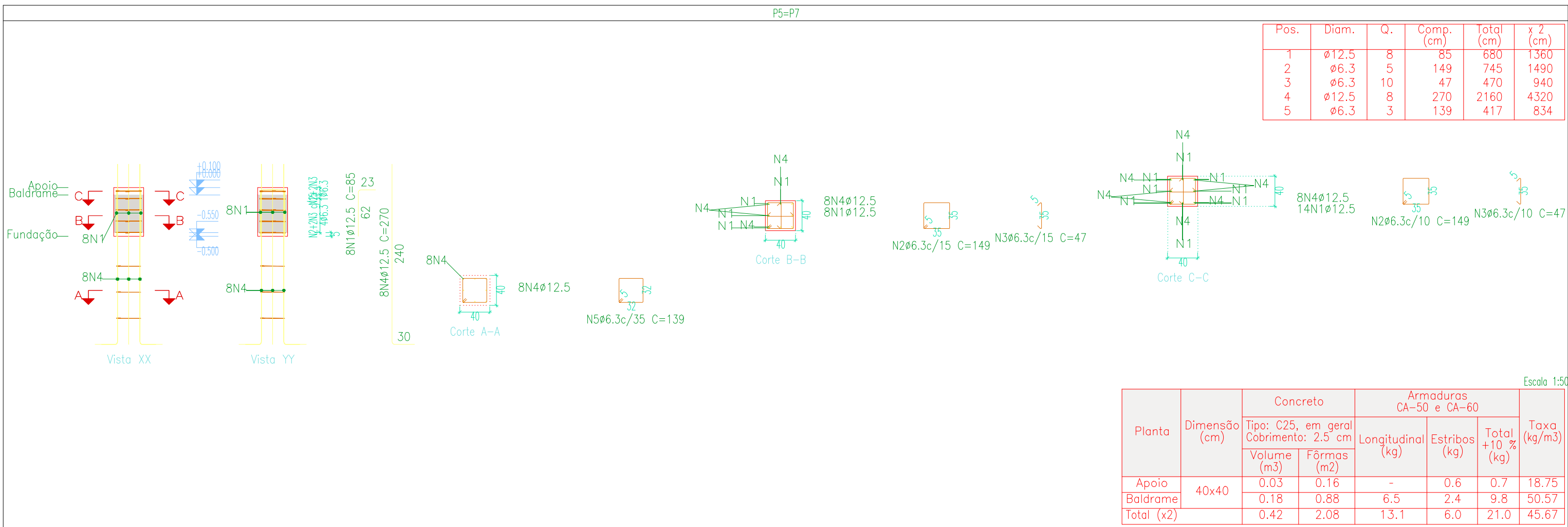




Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)	
P4	1	ø16	6		339	16120	475	2850	45.0
	2	ø12.5	8		341	1395	450	3600	34.7
	3	ø6.3	58		85	289	289	16762	41.1
	4	ø6.3	116		119	157	18212	44.6	
	5	ø6.3	58		85	97	5626	13.8	
	6	ø16	6		384	16120	520	3120	49.3
	7	ø12.5	8		388	1395	495	3960	38.1
	8	ø16	6		98	98	588	9.3	
	9	ø12.5	8		98	98	784	7.6	
	10	ø16	6		265	295	1770	27.9	
	11	ø12.5	8		240	270	2160	20.8	
	12	ø6.3	3		82	276	828	2.0	
	13	ø6.3	3		18	149	447	1.1	
							Total+10%:	368.8	
P5=P7	1	ø12.5	8		82	85	680	6.5	
	2	ø6.3	5		35	149	745	1.8	
	3	ø6.3	10		35	47	470	1.2	
	4	ø12.5	8		240	270	2160	20.8	
	5	ø6.3	3		37	139	417	1.0	
							Total+10%:	34.4	
							(x2):	68.8	
							ø6.3:	121.6	0.0
							ø12.5:	171.5	0.0
							ø16:	144.7	0.0
							Total:	437.6	0.0

Pilares que nascem em Baldrame e chegam em Piso 6
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60



Projeto:	ESTRUTURAL	Data:	16/11/2023
Local:	MG-050 MG-439		
Nome:	PORTAL		
Des.no.:	Planta: ESTRUTURAL		
Autor:	VINICIUS H. ALVES		