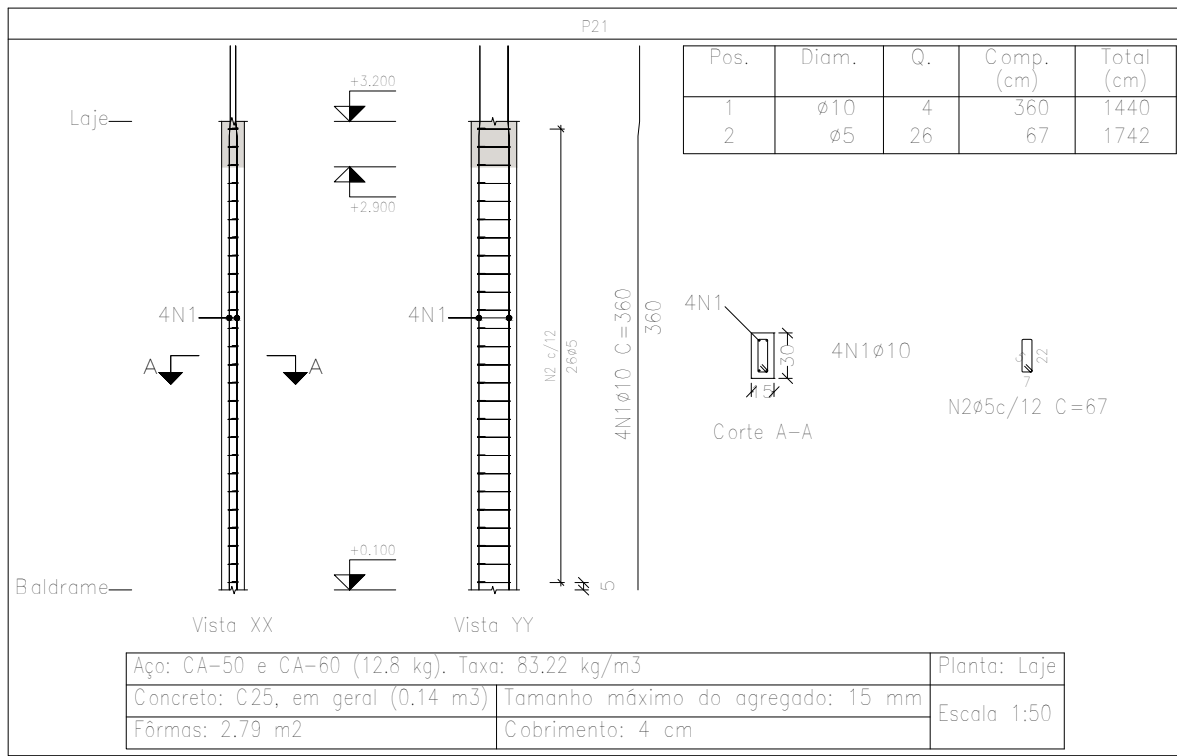
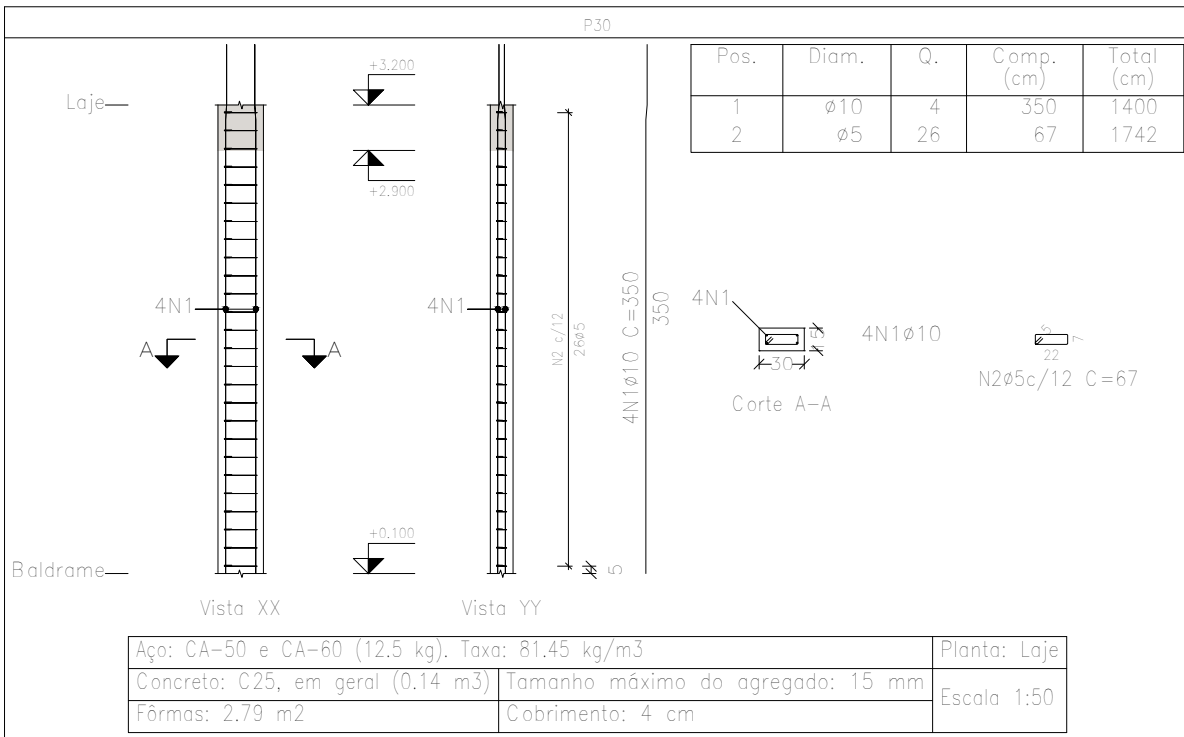
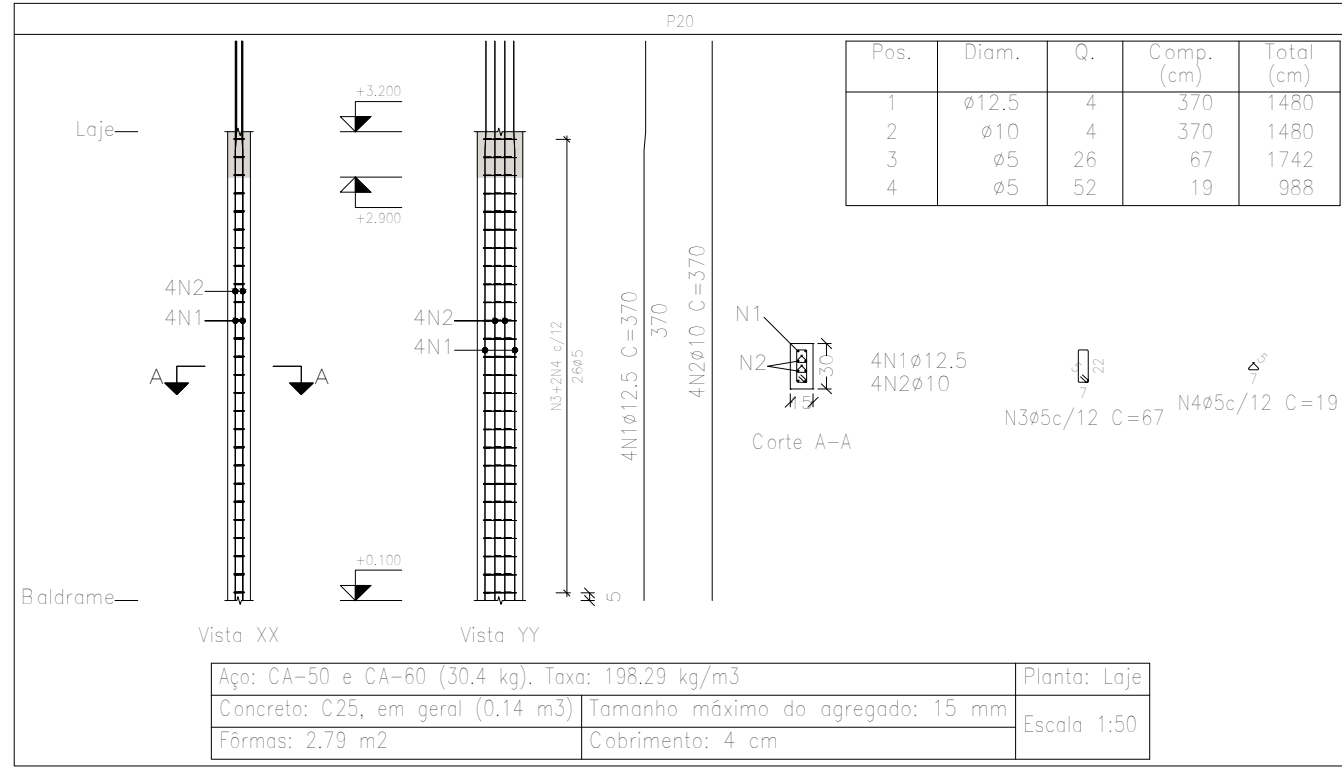
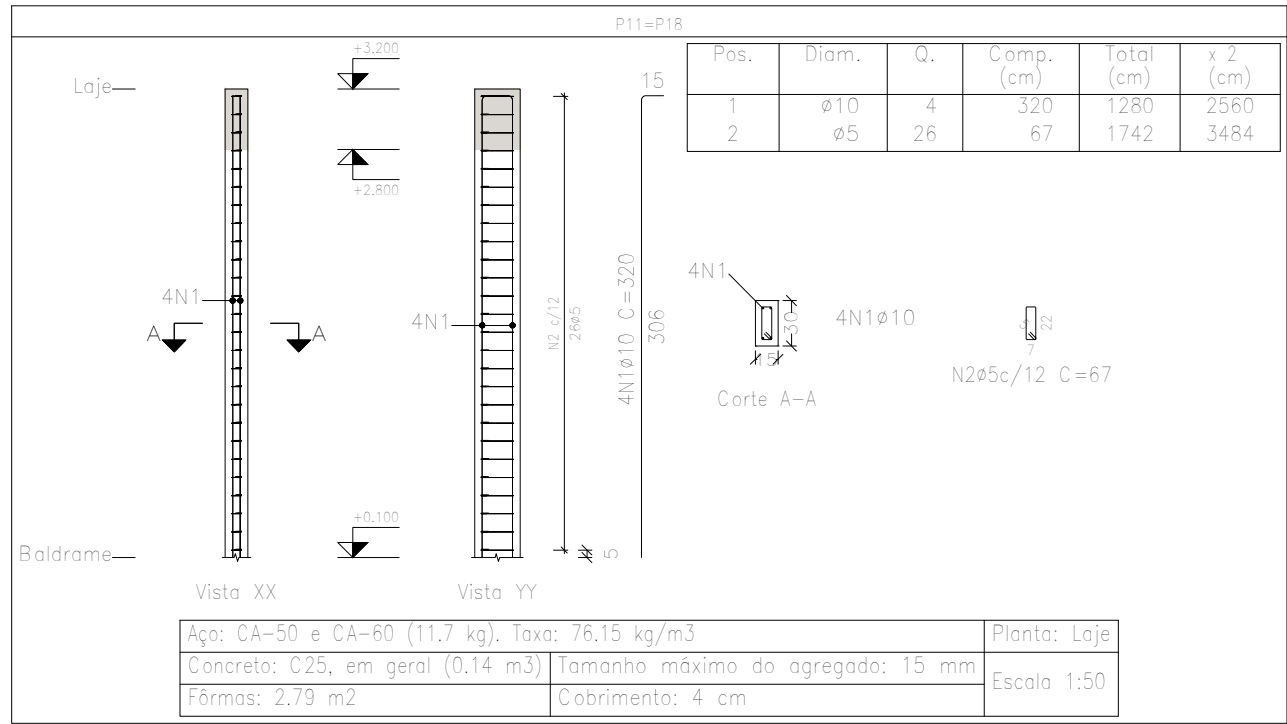
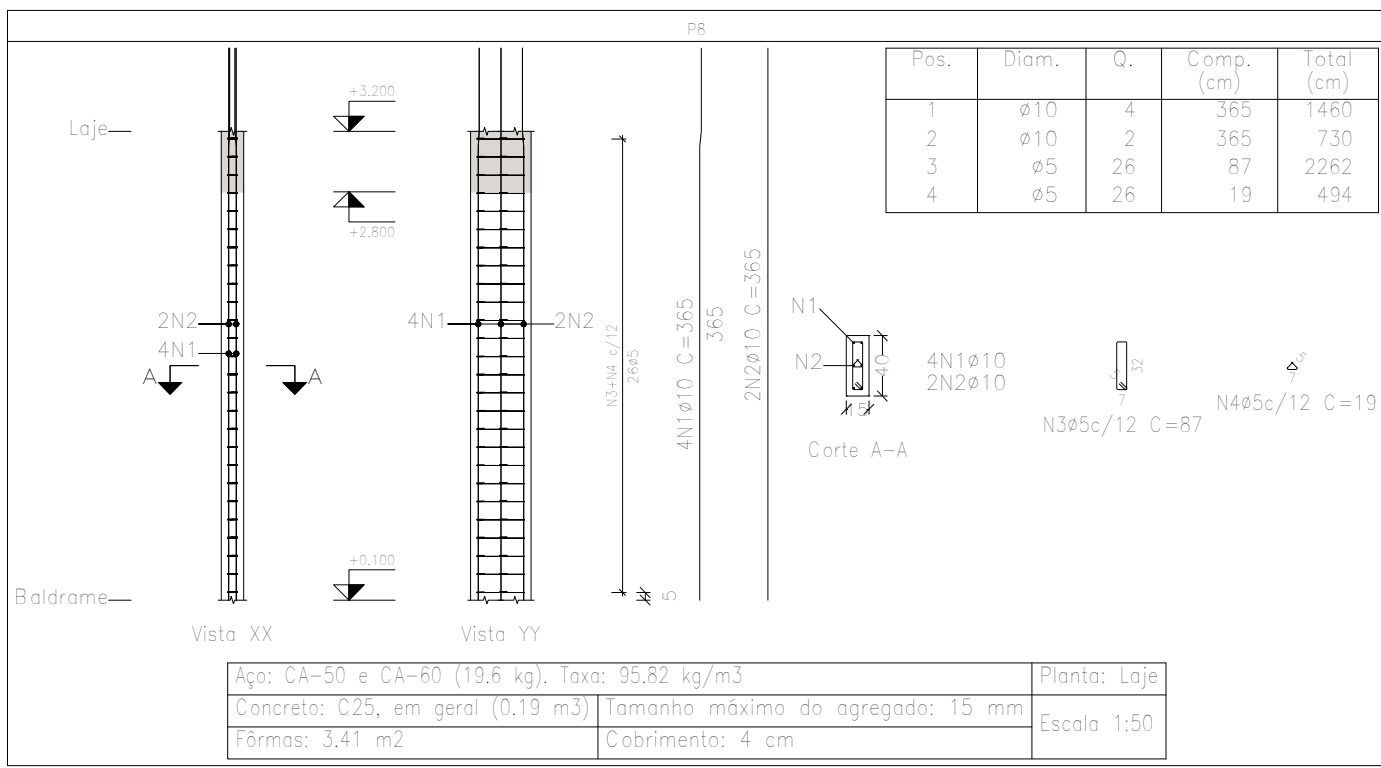
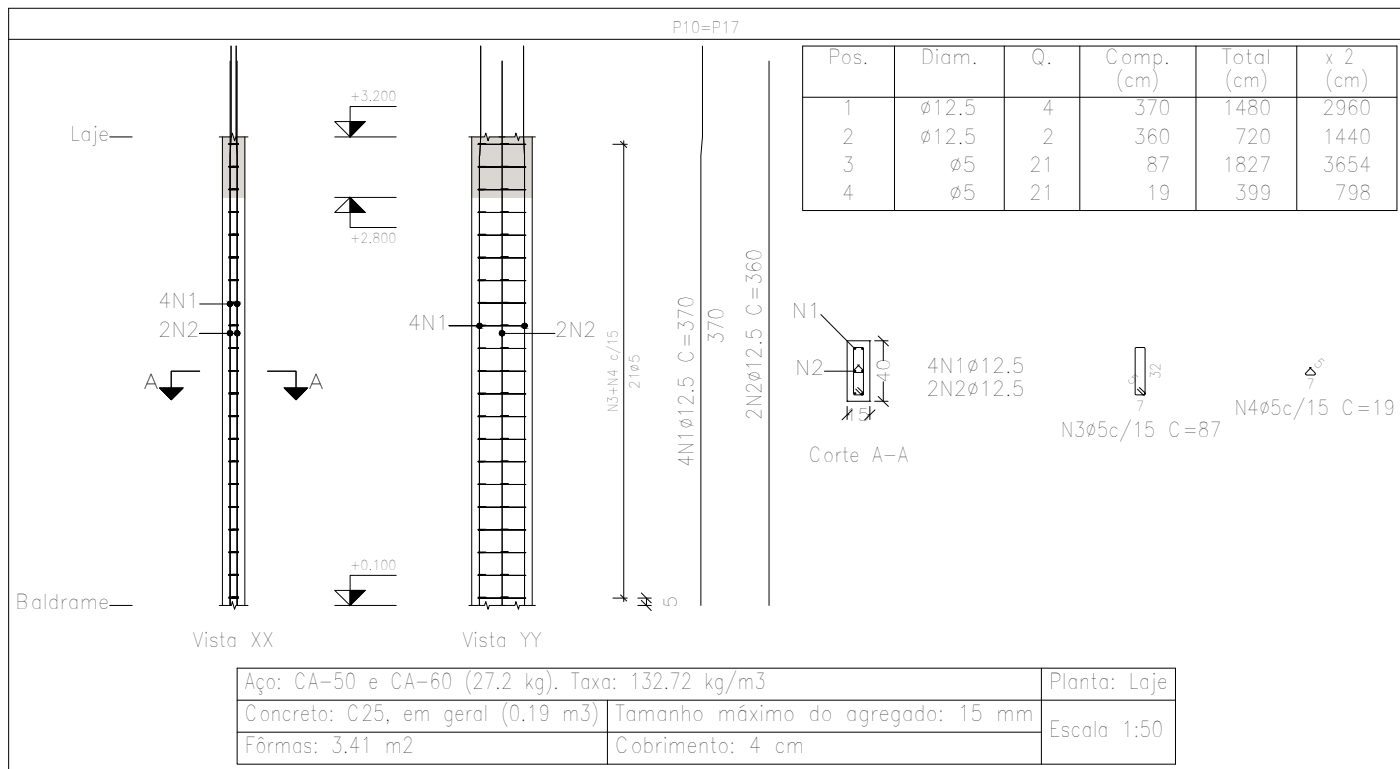
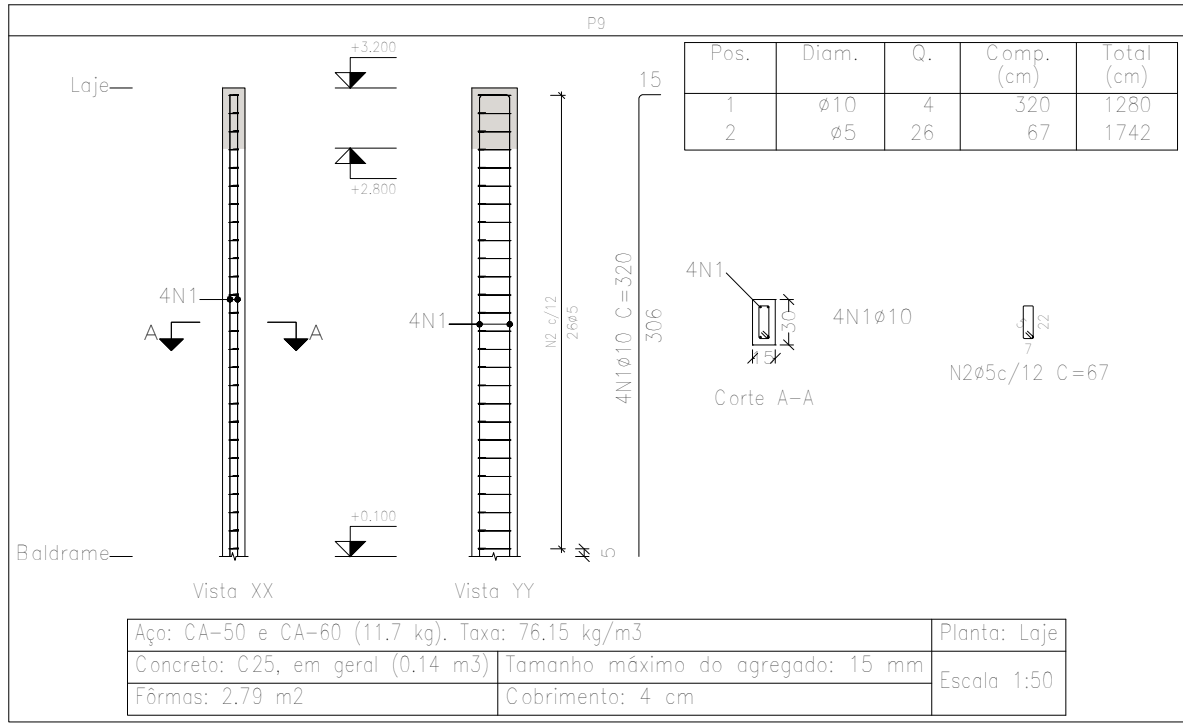
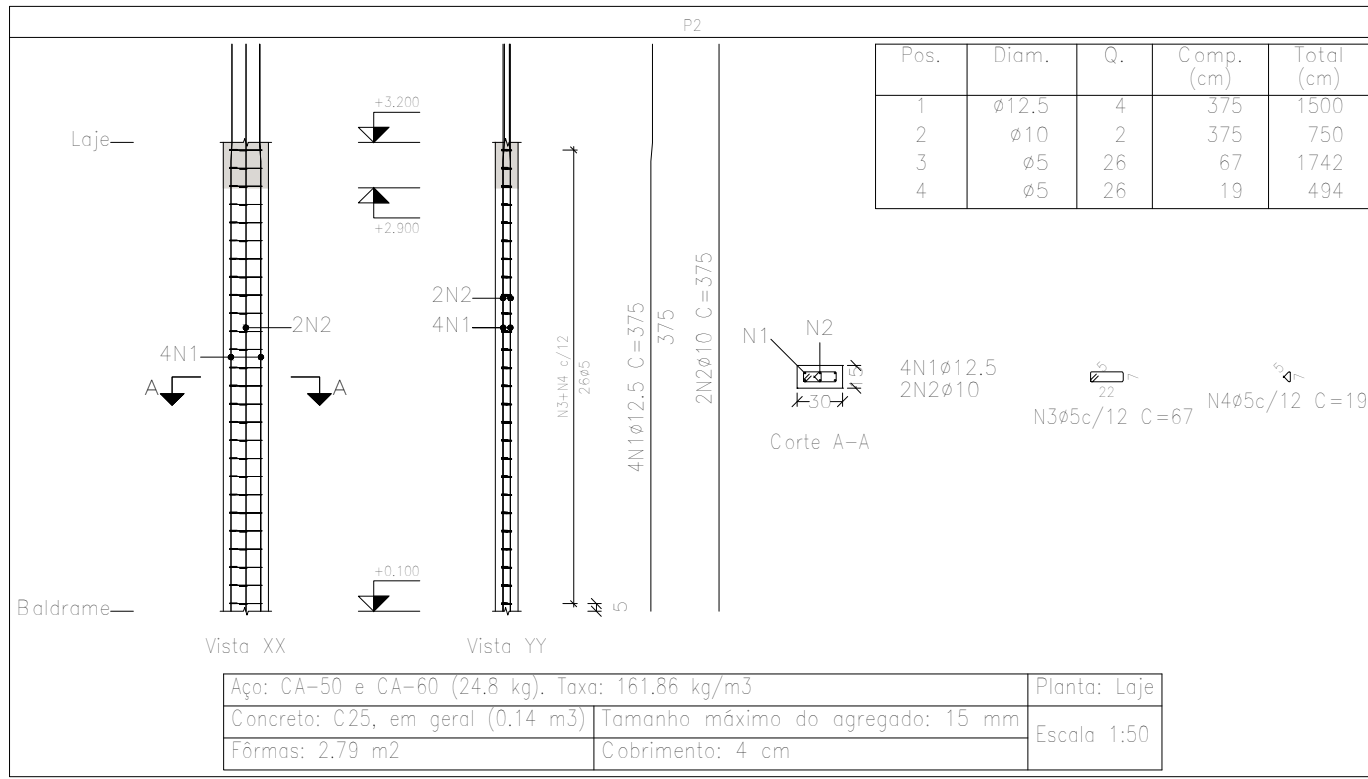
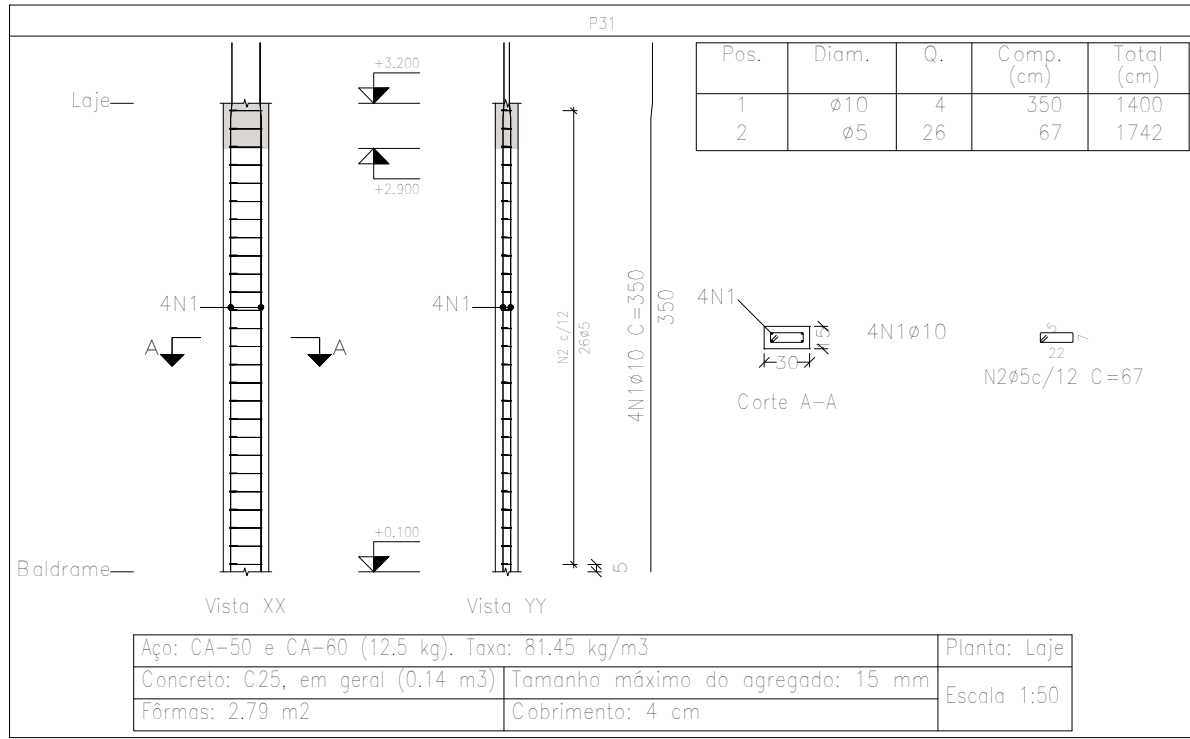
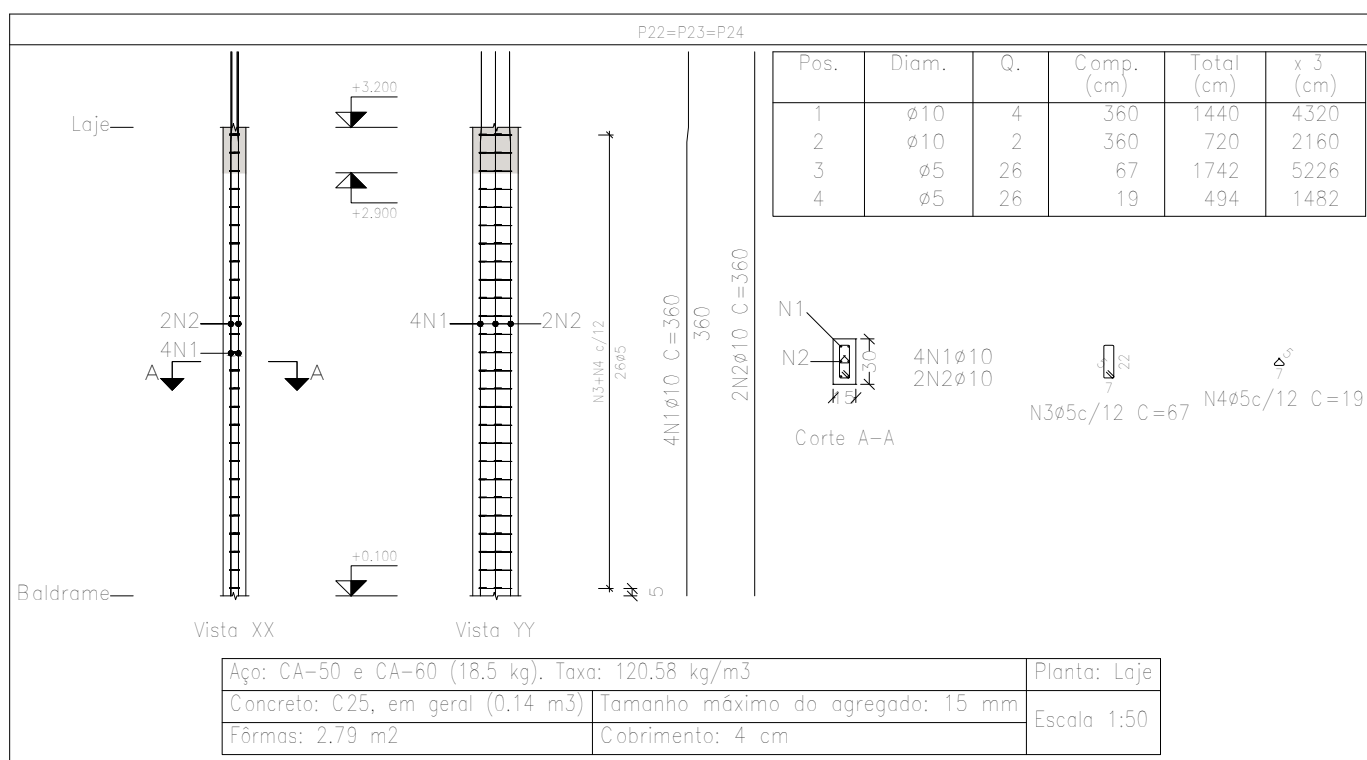
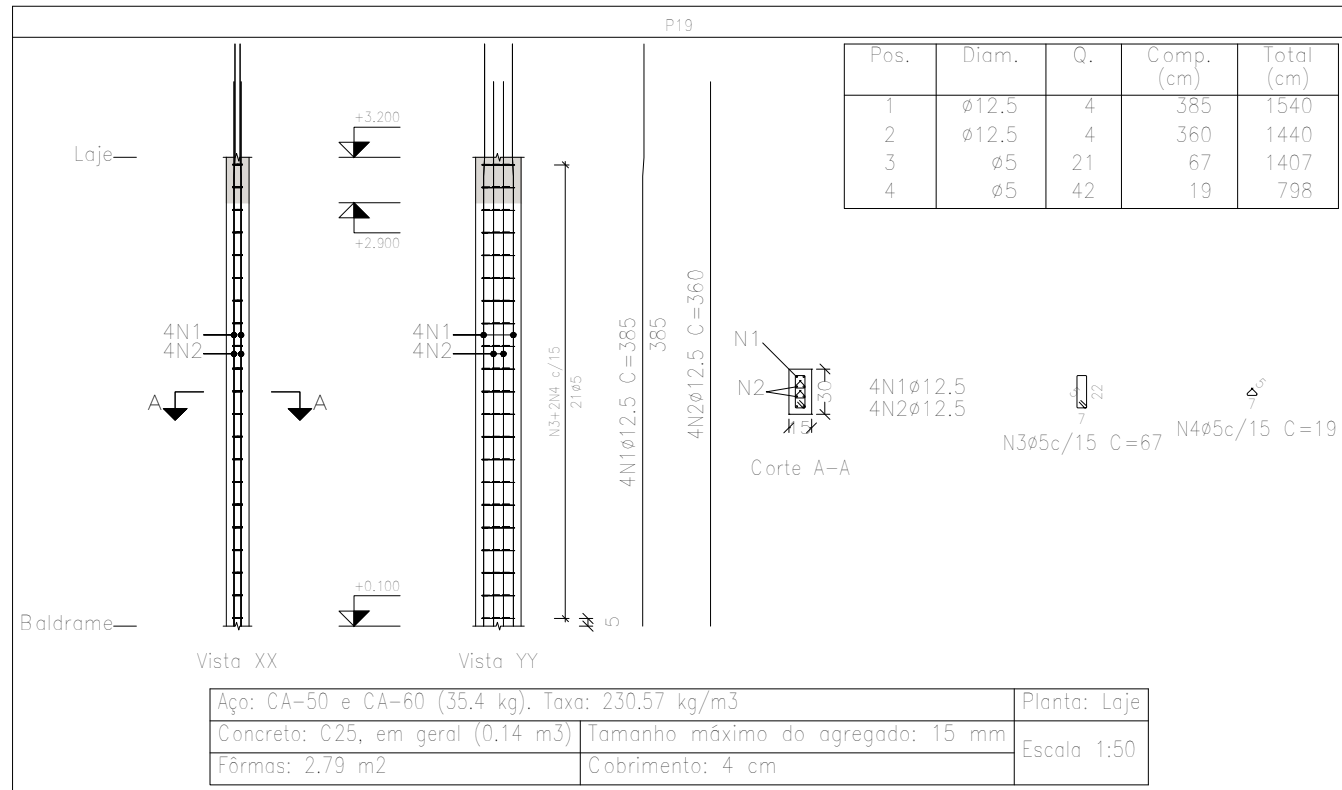


Planta: Laje
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60



Resumo Aço Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50 ø10	189,8	129	
ø12,5	126,4	134	263
CA-60 ø5	333,5	58	58
Total			321



Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P1	1	ø12,5	4		399	1560	15,0	
	2	ø12,5	2		360	720	6,3	
	3	ø5	21		67	1407	2,2	
	4	ø5	21		19	399	0,8	
Total+10%:							24,1	3,1
P2	1	ø12,5	4		375	1500	14,4	
	2	ø10	2		375	750	4,6	
	3	ø5	26		67	1742	2,7	
	4	ø5	26		19	494	0,8	
Total+10%:							20,9	3,9
P8	1	ø10	4		365	1460	9,0	
	2	ø10	2		365	730	4,5	
	3	ø5	26		87	2262	3,6	
	4	ø5	26		19	494	0,8	
Total+10%:							14,9	4,8
P9	1	ø10	4		320	1280	7,9	
	2	ø5	26		67	1742	2,7	
Total+10%:							8,7	3,0
P11=P18	1	ø10	4		320	1280	7,9	
	2	ø5	26		67	1742	2,7	
Total+10%:							8,7	3,0
P10=P17	1	ø12,5	4		370	1480	14,3	
	2	ø12,5	2		360	720	6,3	
	3	ø5	21		87	1827	2,9	
	4	ø5	21		19	399	0,6	
Total+10%:							23,3	3,9
P19	1	ø12,5	4		385	1540	14,8	
	2	ø12,5	4		360	1440	13,9	
	3	ø5	21		67	1407	2,2	
	4	ø5	42		19	798	1,3	
Total+10%:							31,6	3,9
P20	1	ø12,5	4		370	1480	14,3	
	2	ø10	4		370	1480	9,1	
	3	ø5	26		67	1742	2,7	
	4	ø5	52		19	988	1,6	
Total+10%:							25,7	4,7
P21	1	ø10	4		360	1440	8,9	
	2	ø5	26		67	1742	2,7	
Total+10%:							9,8	3,0
P22=P23=P24	1	ø10	4		360	1440	8,9	
	2	ø10	2		360	720	4,4	
	3	ø5	26		67	1742	2,7	
	4	ø5	26		19	494	0,8	
Total+10%:							14,8	3,9
P30	1	ø10	4		350	1400	8,6	
	2	ø5	26		67	1742	2,7	
Total+10%:							9,5	3,0
P31	1	ø10	4		350	1400	8,6	
	2	ø5	26		67	1742	2,7	
Total+10%:							9,5	3,0
							ø5:	0,0
							ø10:	128,7
							ø12,5:	133,8
							Total:	262,5
							ø5:	0,0
							ø10:	128,7
							ø12,5:	133,8
							Total:	262,5

Garagem p Ônibus Escolares		Data:
		16/08/2023
Local:		Número de desenho:
Promotor:		
Garagem para Ônibus Escolares		Escola:
		Indicado
Eduardo Rampanelli Tosetto		Data:
Número da CREA: 1220503037		16/08/2023