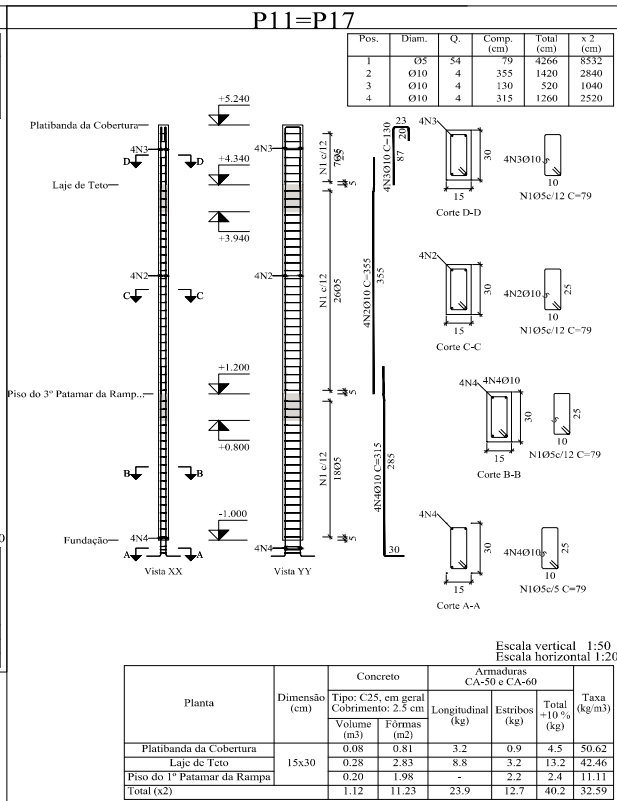
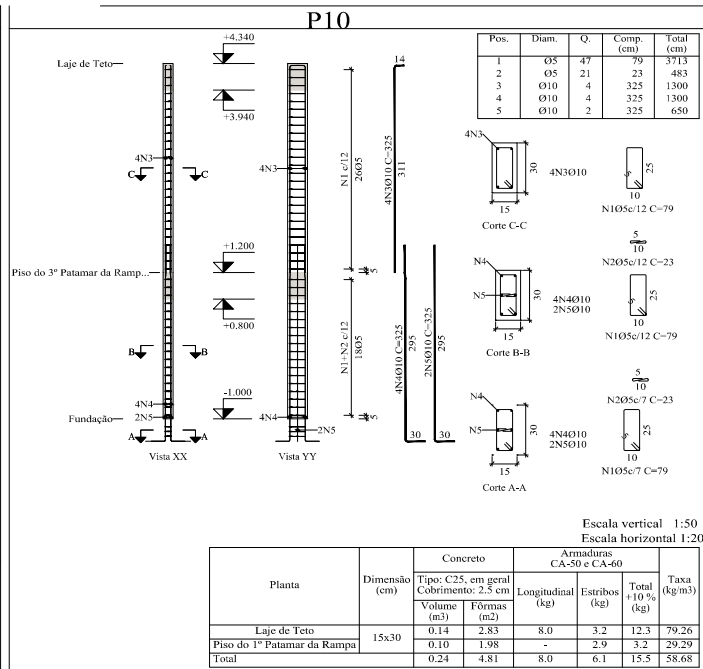
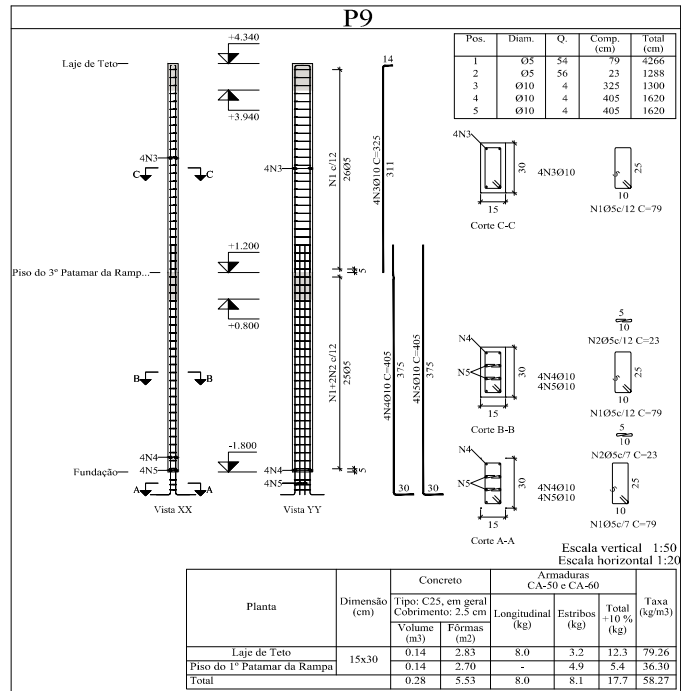
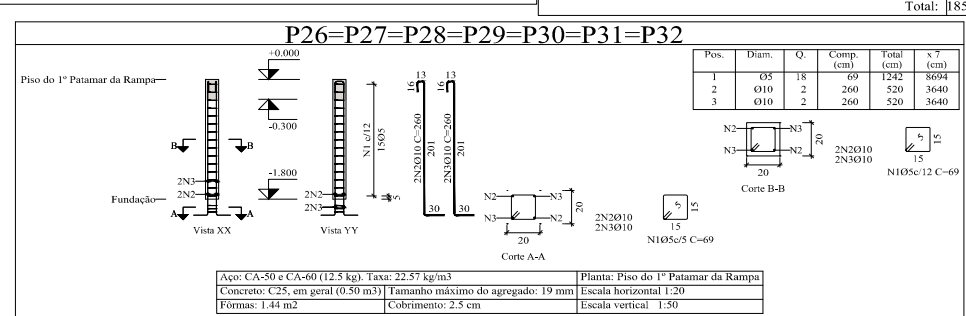
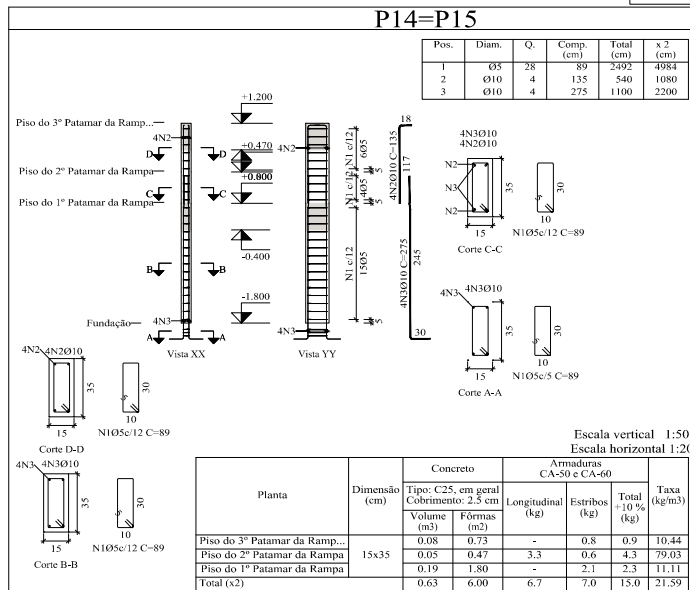
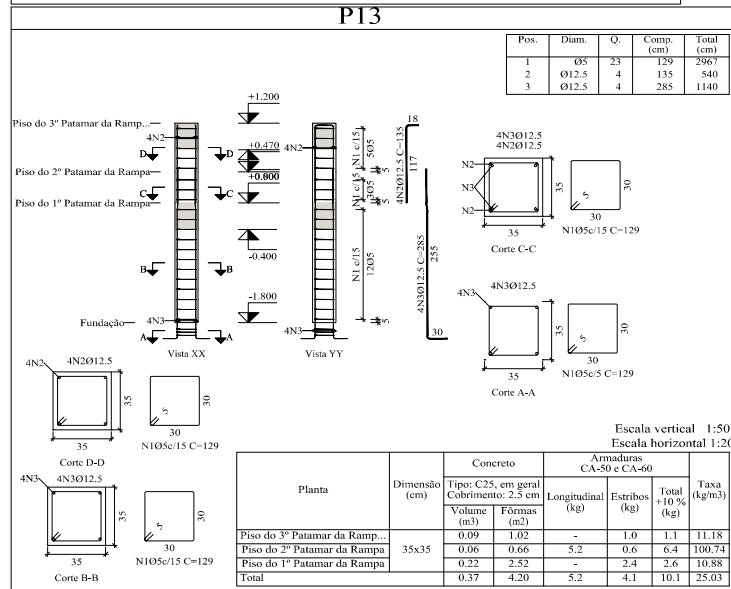




Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P9	1	Ø5	54		79	4266	6.7	
	2	Ø5	56		23	1288		2.0
	3	Ø10	4		325	1300	8.0	
	4	Ø10	4		405	1620	10.0	
	5	Ø10	4		405	1620	10.0	
					Total+10%:	30.8	9.6	
P10	1	Ø5	47		79	3713	5.8	
	2	Ø5	21		23	483		0.8
	3	Ø10	4		325	1300	8.0	
	4	Ø10	4		325	1300	8.0	
	5	Ø10	2		325	650	4.0	
					Total+10%:	22.0	7.3	
P11=P17	1	Ø5	54		79	4266	6.7	
	2	Ø10	4		355	1420	8.8	
	3	Ø10	4		130	520	3.2	
	4	Ø10	4		315	1260	7.8	
					Total+10%:	21.8	7.4	
					(x2):	43.6	14.8	
P13	1	Ø5	23		129	2967	4.7	
	2	Ø12.5	4		135	540	5.2	
	3	Ø12.5	4		285	1140	11.0	
					Total+10%:	17.8	5.2	
					(x2):	35.6	10.4	
P14=P15	1	Ø5	28		89	2492	3.9	
	2	Ø10	4		135	540	3.3	
	3	Ø10	4		275	1100	6.8	
					Total+10%:	11.1	4.3	
					(x2):	22.2	8.6	
P26=P27=P28=P29=P30=P31=P32	1	Ø5	18		69	1242	1.9	
	2	Ø10	2		260	520	3.2	
	3	Ø10	2		260	520	3.2	
					Total+10%:	7.0	2.1	
					(x7):	49.0	14.7	
					Ø5:	0.0	60.2	
					Ø10:	167.6	0.0	
					Ø12.5:	17.8	0.0	
					Total:	185.4	60.2	



Pilares que nascem em Piso do 1º Patamar da Rampa e chegam em Platibanda da Cobertura
 Concreto: C25, em geral
 Aço das barras: CA-50 e CA-60
 Aço dos estribos: CA-50 e CA-60

Cícero Costa Cabral
 Engenheiro Civil
 CREA-RJ 851042326/D
 Matrícula nº 207.261-0

REVISÕES			
N.º	Descrição de Revisão	Autor	Data

Projeto: **ACADEMIA E SAÚDE S.JOSÉ**

Conteúdo Prancha: **Pilares 3**

Escalas: **Indicadas**

Data: **01/2021**

Projeto: **Pilares 3**

Arquivo: **Pilares 3**

Folha: **3/4**

