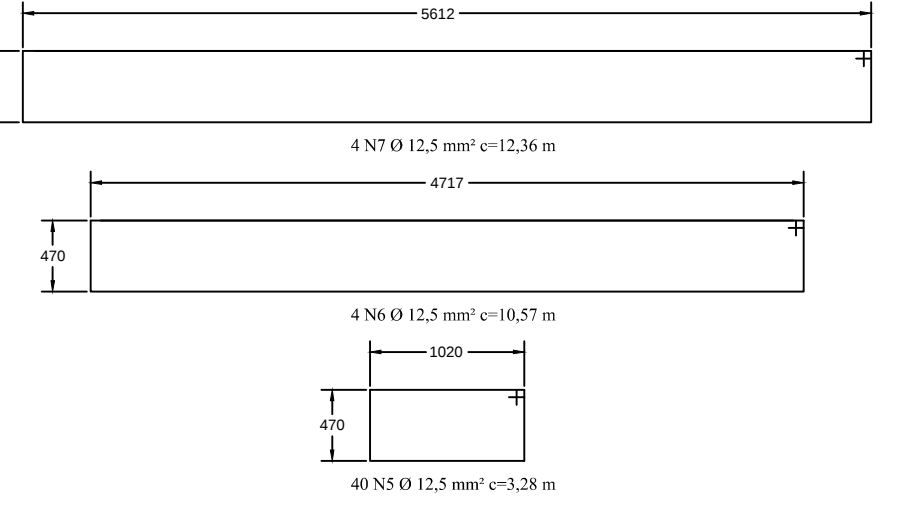
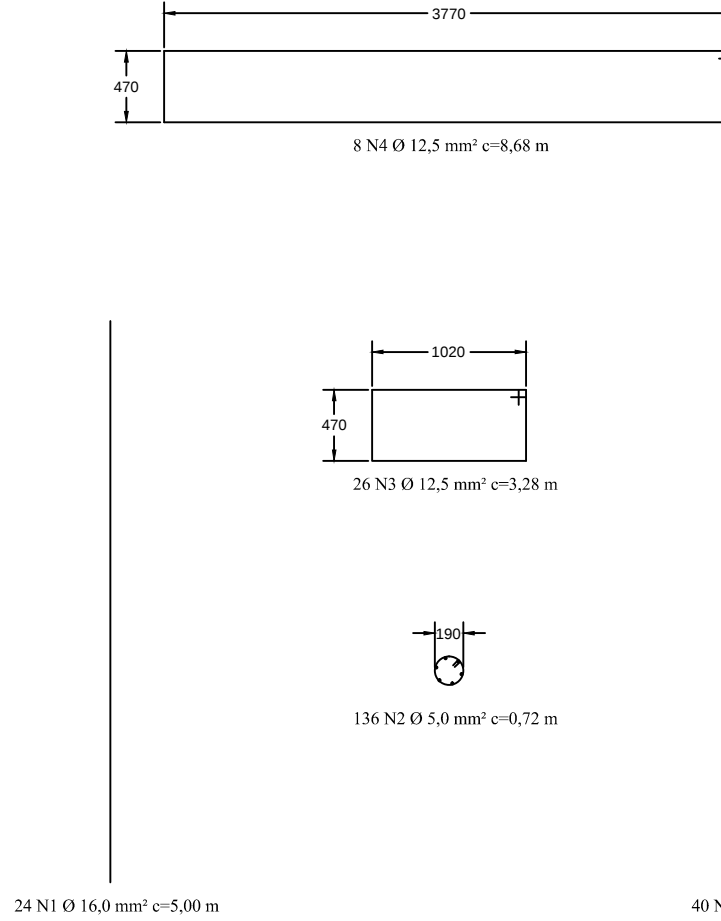
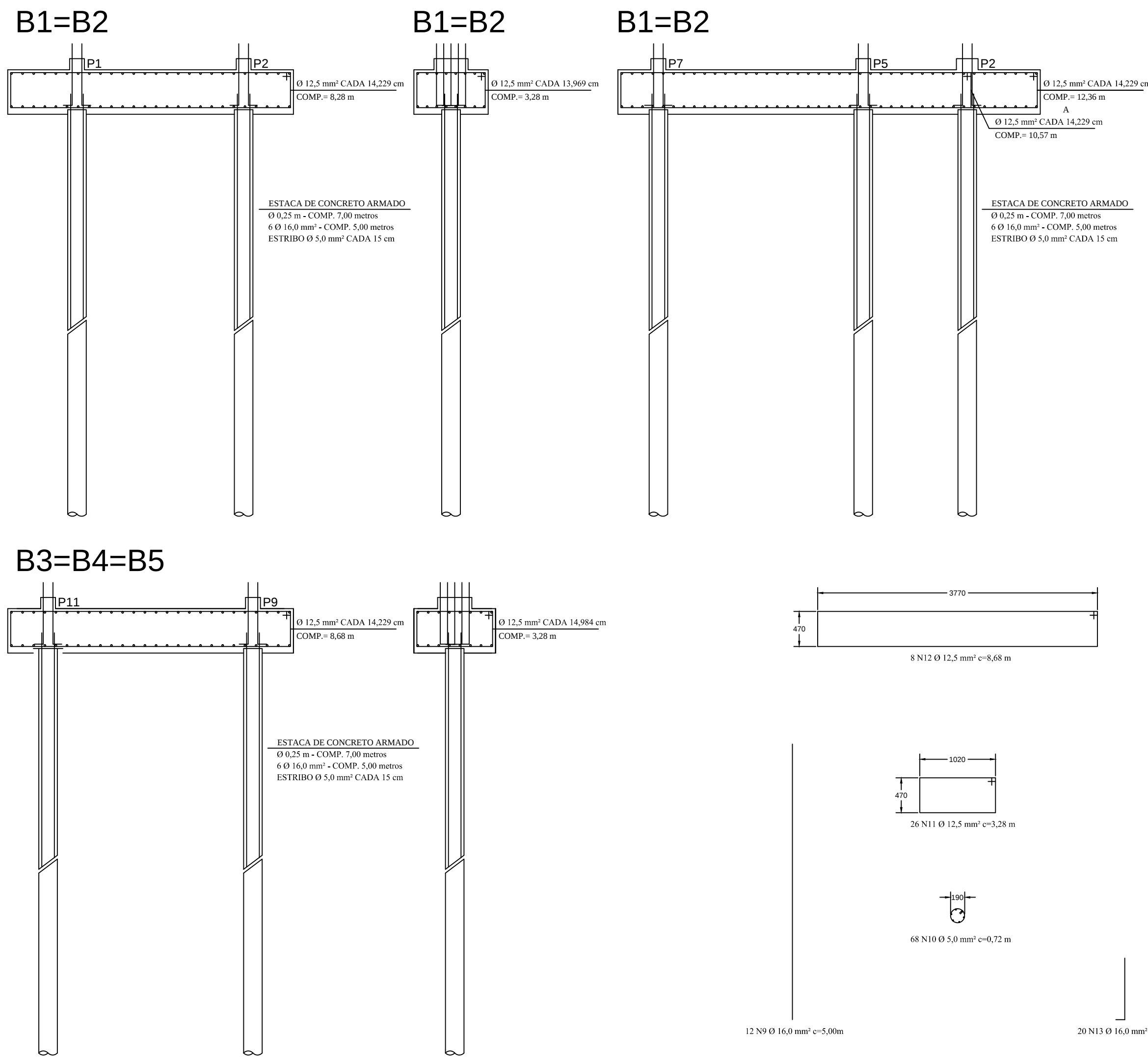
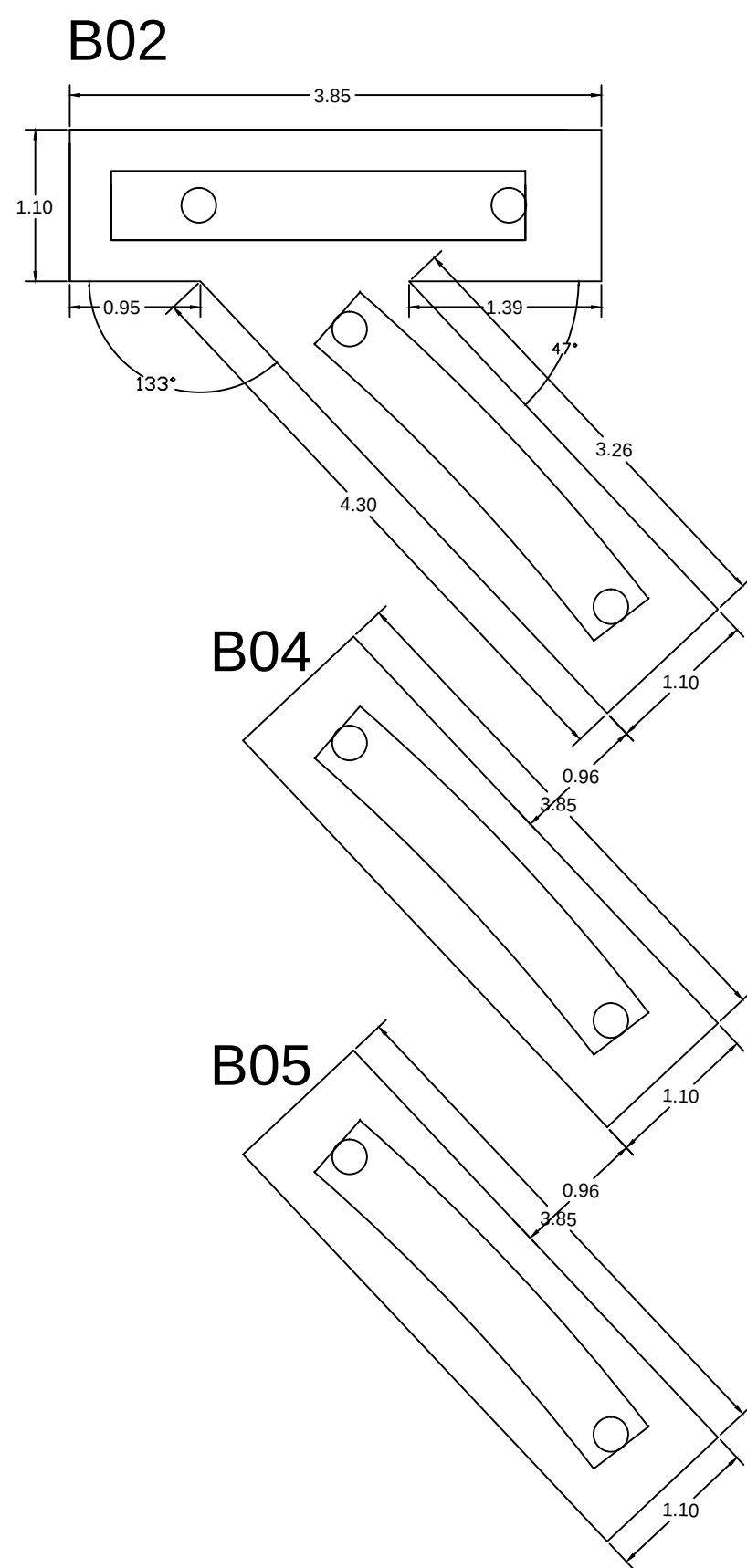
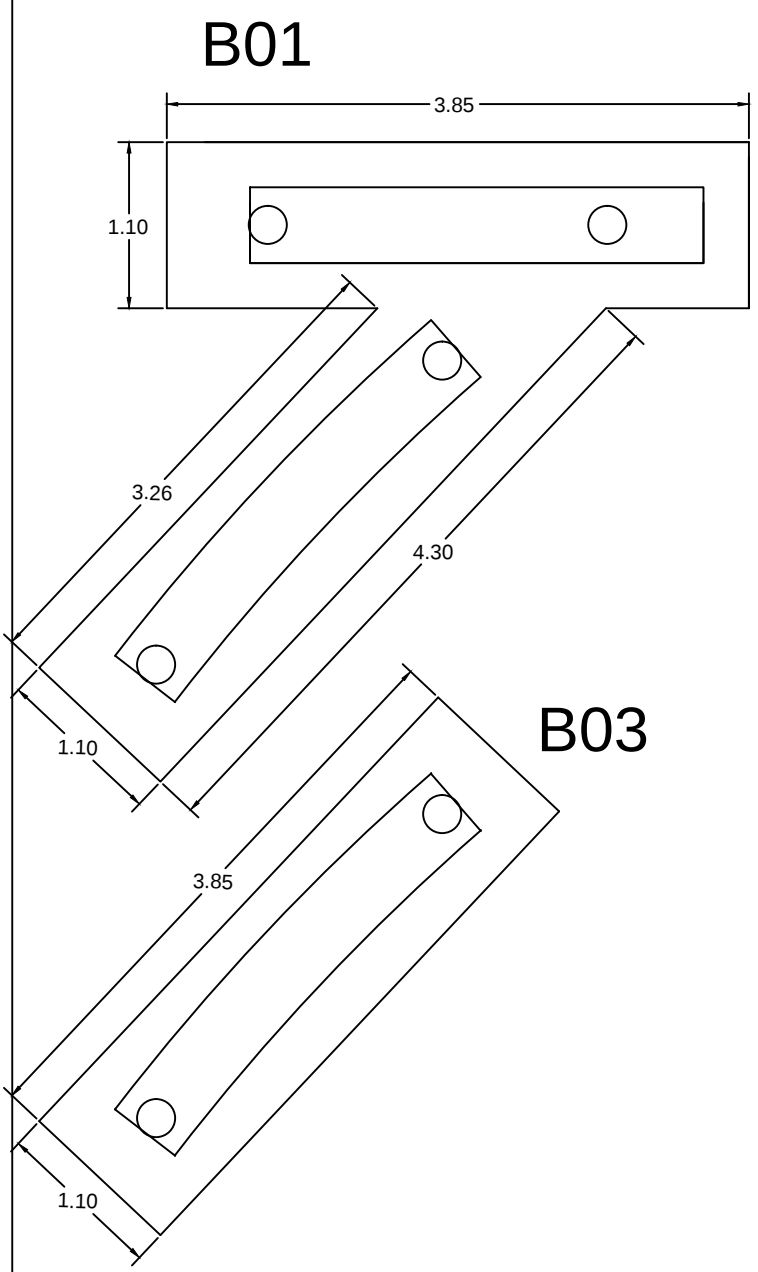
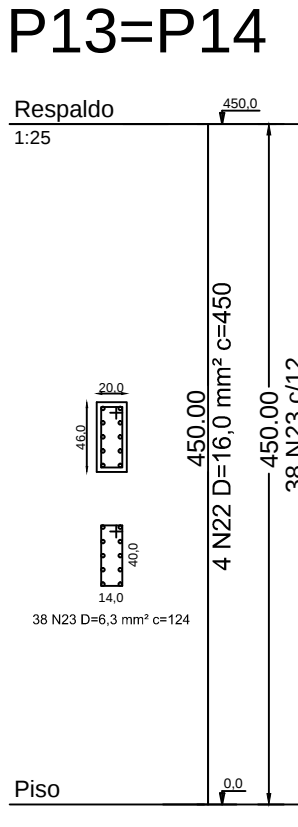
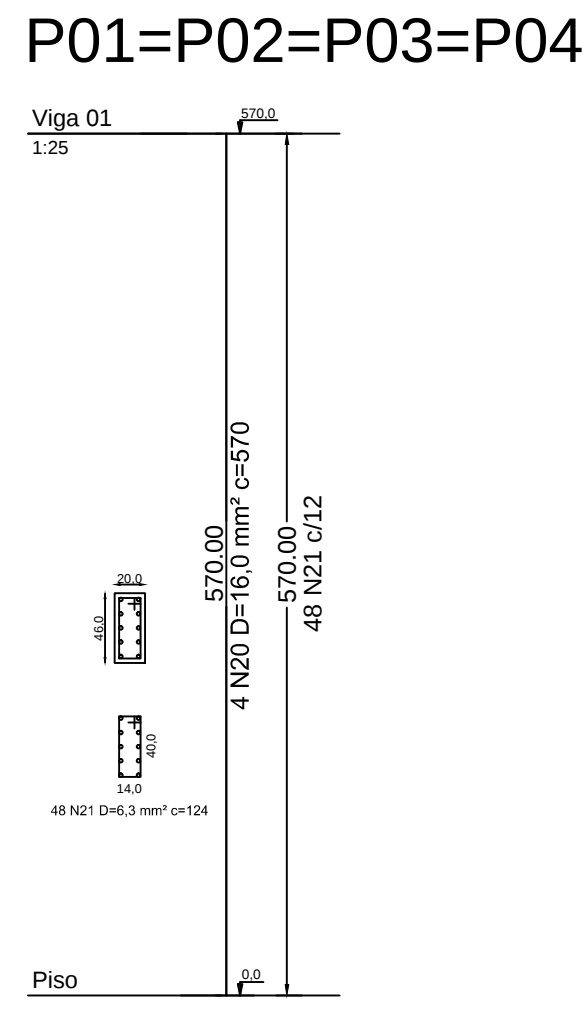
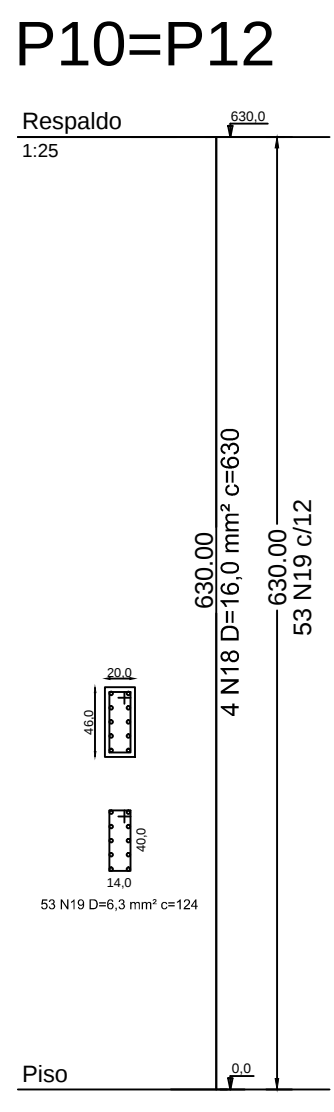
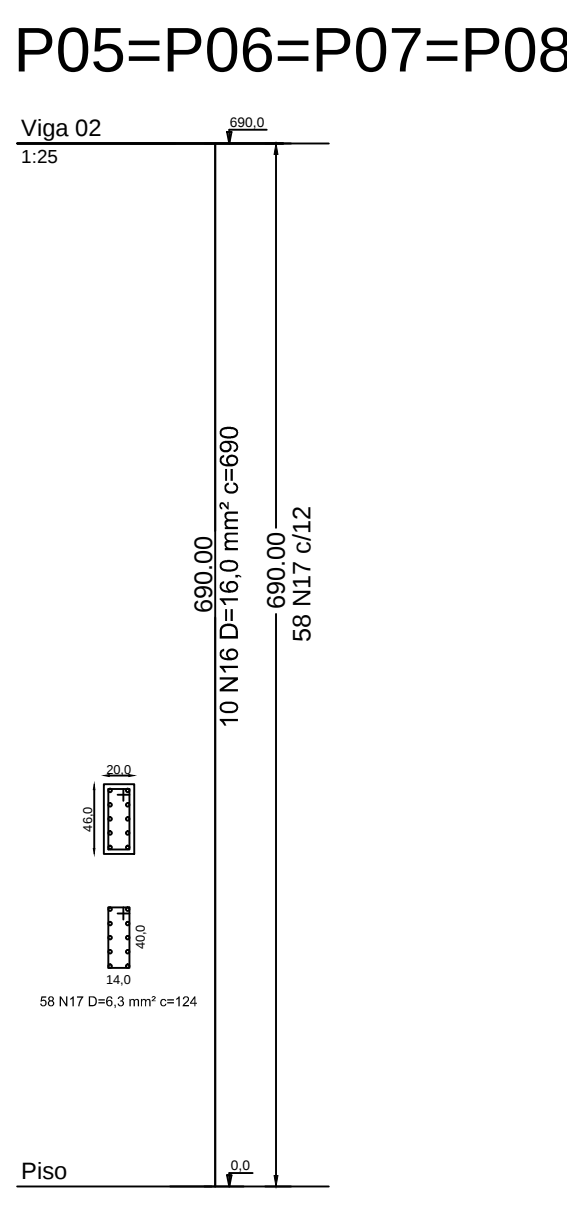
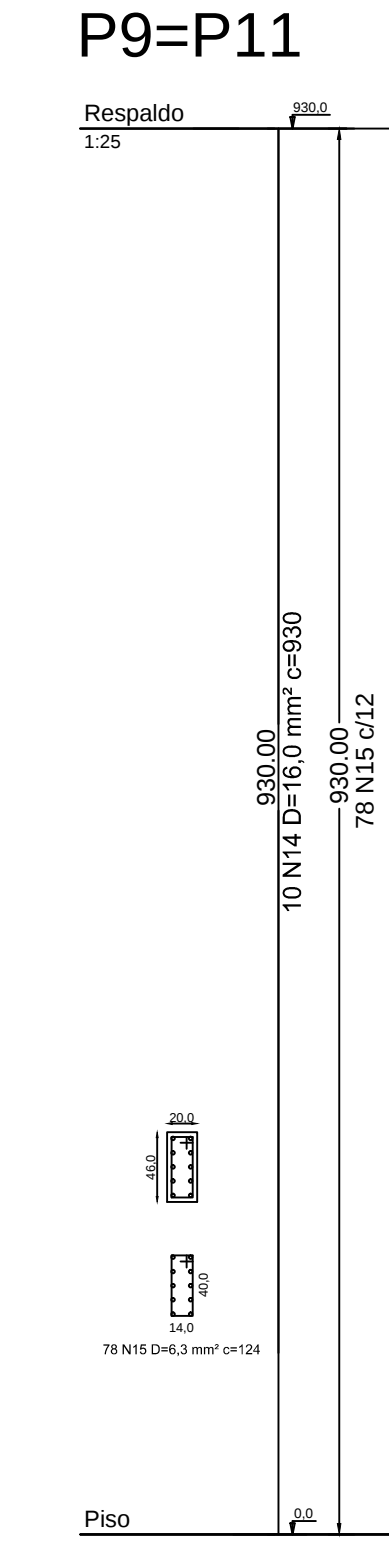
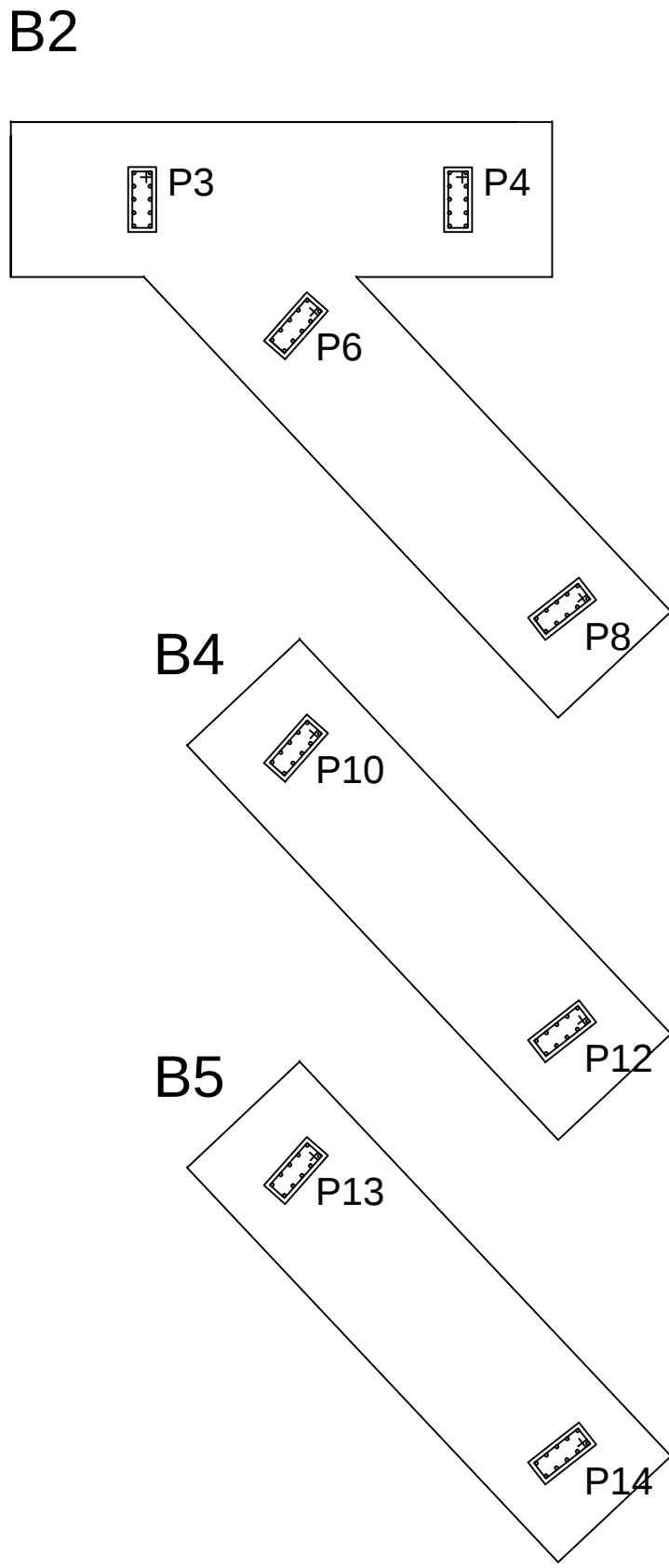
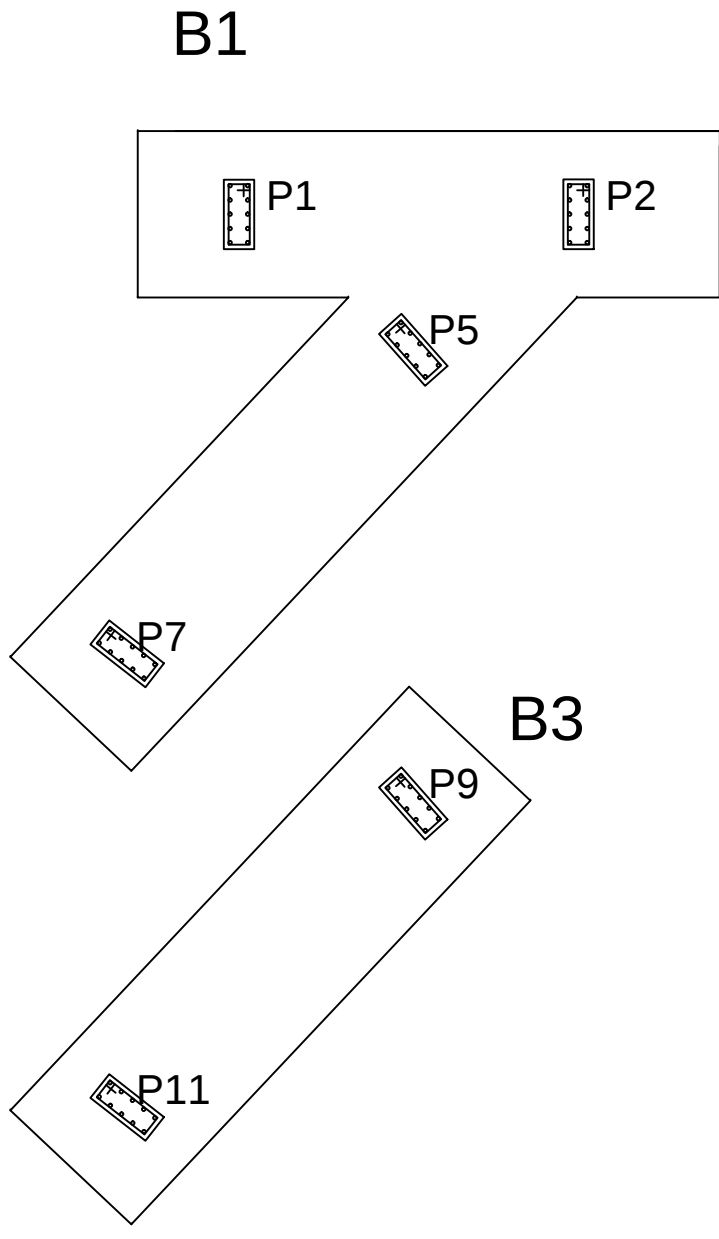




ELEMENTO	AÇO	N	DIAM.	Q	UNIT. (cm)	C. TOTAL (cm)
2 x B1	50	1	16.0	48	500.0	24000.0
	60	2	5.0	272	72.0	19584.0
	50	2	12.5	52	328.0	17056.0
	50	4	12.5	10	868.0	13888.0
	50	5	12.5	80	328.0	26240.0
	50	6	12.5	08	1057.0	8456.0
	50	7	12.5	08	1236.0	9888.0
	50	8	16.0	80	95.0	7600.0
3 x B3	50	9	16.0	36	500.0	18000.0
	60	10	5.0	204	72.0	14688.0
	50	11	12.5	78	328.0	25884.0
	50	12	12.5	24	868.0	20832.0
	50	13	16.0	60	95.0	5700.0

RESUMO DO AÇO				
AÇO	DIAM.	C. TOTAL (m)	PESO (Kg/m)	PESO+10% (Kg)
CA-50	16.0	563.00	1.577	958.28
CA-50	12.5	1218.44	1.000	1341.38
CA-60	5.0	342.72	0.157	59.19

PESO TOTAL	
CA-50	2300.67
CA-60	59.19



ELEMENTO	AÇO	N	DIAM.	Q	UNIT. (cm)	C. TOTAL (cm)
2 x P9	50	14	16.0	20	930.0	18600.0
	50	15	6.3	186	124.0	13944.0
4 x P5	50	16	16.0	40	690.0	27600.0
	50	17	6.3	232	124.0	28768.0
2 x P10	50	18	16.0	20	630.0	12600.0
	50	19	6.3	106	124.0	13144.0
4 x P1	50	20	16.0	40	570.0	22800.0
	50	21	6.3	192	124.0	23808.0
2 x P13	50	22	16.0	20	450.0	9000.0
	50	23	6.3	76	124.0	9424.0

RESUMO DO AÇO			
AÇO	DIAM.	C. TOTAL (m)	PESO (Kg/m)
CA-50	16.0	906.00	1.577
CA-50	6.3	944.88	0.245

PESO TOTAL	
CA-50	1826.29

PROJETO ESTRUTURAL - FUNDAÇÃO E PILARES		FOLHA 02/07
Obra:-	CONSTRUÇÃO DE PORTAL DO MUNICÍPIO DE IARAS	
Local:-	RUA PINHEIRO MACHADO, S/Nº - IARAS/SP	
Convênio:-	O.G.U. nº 103917-27/MTURISMO	
ENGENHEIRO	PREFEITO MUNICIPAL	A.R.T.
MARCELO DE OLIVEIRA PINTERICH	FRANCISCO PINTO DE SOUZA	28027230180612793
		DATA
		MARÇO/2018
		ESC.
		1:50