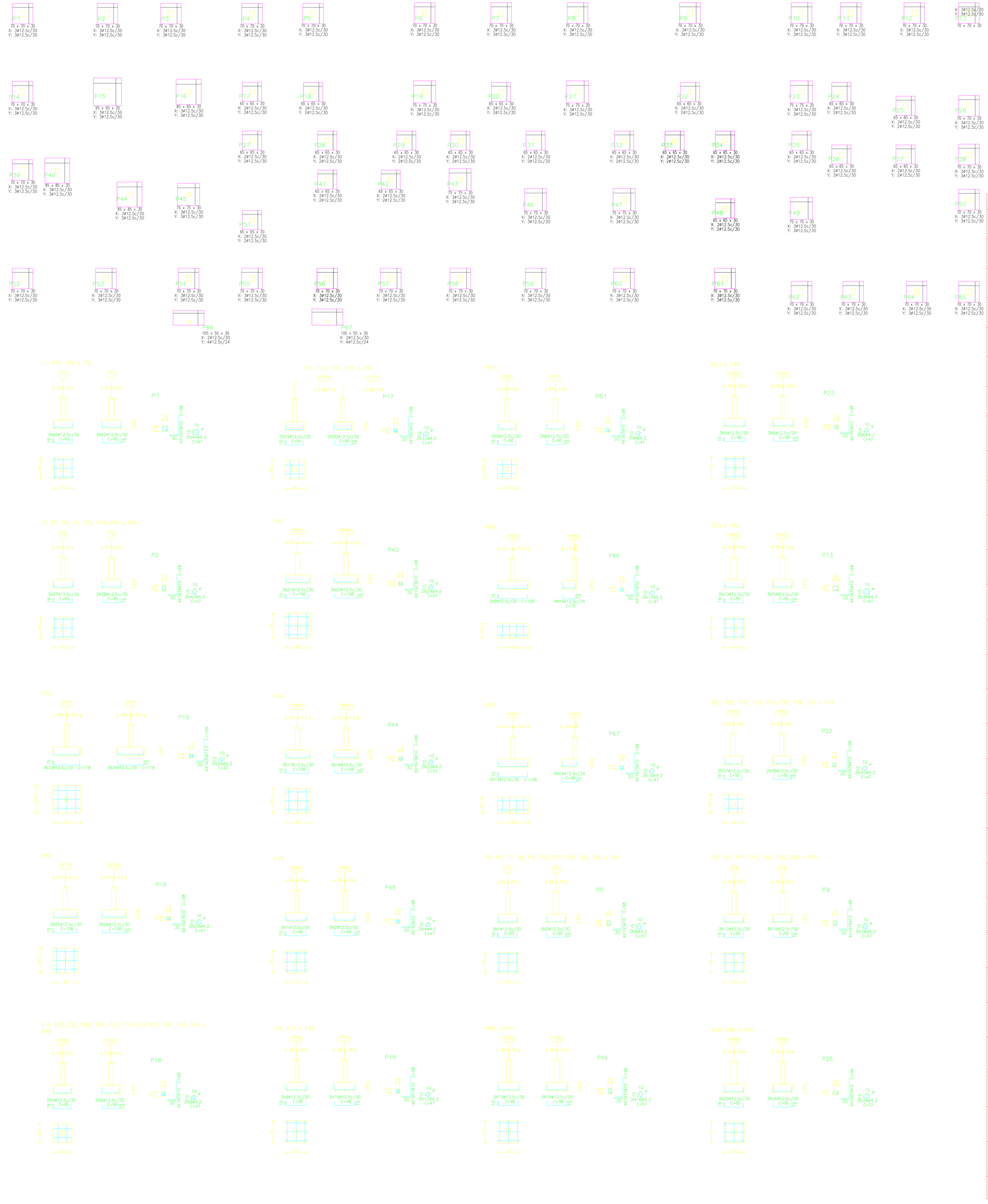

QUADRO DE ELEMENTOS DE FUNDAÇÃO				
Referência	Dimensões (cm)	Nível (cm)	Armadura inf. X	Armadura inf. Y
P1, P2, P3, P4, P5, P14, P39, P52, P53, P54, P55 e P56	70x70	30	34Ø12.5c/30	34Ø12.5c/30
P6, P7, P8, P9, P56, P57, P58, P59, P60 e P61	80x80	30	39Ø12.5c/30	39Ø12.5c/30
P15, P45 e P44	85x85	30	34Ø12.5c/30	34Ø12.5c/30
P17, P18, P27, P28 e P47	85x85	30	34Ø12.5c/30	34Ø12.5c/30
P40	75x75	30	34Ø12.5c/30	34Ø12.5c/30
P51	90x90	30	34Ø12.5c/30	34Ø12.5c/30
P66	105x105	30	34Ø12.5c/30	44Ø12.5c/29
P67	105x105	30	34Ø12.5c/30	44Ø12.5c/29
P16, P17, P19, P20, P21, P22, P23, P24, P25, P26, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P41, P42, P43, P44, P46, P48, P49, P50, P62, P63, P64 e P65	70x70	30	29Ø12.5c/30	29Ø12.5c/30
P18, P20, P22, P28, P29, P30, P31, P32, P33, P34, P41, P42 e P48	65x65	30	29Ø12.5c/30	29Ø12.5c/30
P23, P24, P25, P33, P34, P35, P36, P37 e P48	65x65	30	29Ø12.5c/30	29Ø12.5c/30
P13 e P65	75x75	30	34Ø12.5c/30	34Ø12.5c/30

Elemento	Pos.	Diam.	n.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 – A/CA-60 – B (kg)	(kg)
P45	1	Ø12.5	3	15	68	15	98	294	2.9	
	2	Ø12.5	3	15	68	15	98	294	2.9	
	3	Ø10	4	30	68		95	382	2.5	
	4	Ø4.2	5		47		47	141		0.2
	Total=10E								8.3	0.2
P51	5	Ø12.5	2	16	58	16	90	180	1.8	
	6	Ø12.5	2	16	58	16	90	180	1.8	
	7	Ø10	4	30	68		95	382	2.5	
	8	Ø4.2	5		47		47	141		0.2
	Total=10E								6.7	0.2
P66	9	Ø12.5	2	15	98	15	128	256	2.5	
	10	Ø12.5	4	16	43	16	75	300	2.9	
	11	Ø10	4	30	68		98	392	2.5	
	12	Ø4.2	5		47		47	141		0.2
	Total=10E								8.7	0.2
P67	13	Ø12.5	2	15	98	15	128	256	2.5	
	14	Ø12.5	4	16	48	16	80	320	3.1	
	15	Ø10	4	30	68		98	392	2.5	
	16	Ø4.2	5		47		47	141		0.2
	Total=10E								8.9	0.2
P44	17	Ø12.5	3	15	78	15	108	324	3.2	
	18	Ø12.5	3	15	78	15	108	324	3.2	
	19	Ø10	6	30	68		99	784	4.9	
	20	Ø4.2	5		47		47	141		0.2
	Total=10E								12.4	0.2
P40	21	Ø12.5	3	15	78	15	108	324	3.2	
	22	Ø12.5	3	15	78	15	108	324	3.2	
	23	Ø10	6	30	68		98	588	3.7	
	24	Ø4.2	5		47		47	141		0.2
	Total=10E								11.1	0.2
P16	25	Ø12.5	3	15	78	15	108	324	3.2	
	26	Ø12.5	3	15	78	15	108	324	3.2	
	27	Ø10	6	30	68		99	588	3.7	
	28	Ø4.2	5		47		47	141		0.2
	Total=10E								11.1	0.2
P17=P18=P27=P28 P47	29	Ø12.5	2	16	58	16	90	180	1.8	
	30	Ø12.5	2	16	58	16	90	180	1.8	
	31	Ø10	4	30	68		95	382	2.5	
	32	Ø4.2	5		47		47	141		0.2
	Total=10E								6.7	0.2
P15	33	Ø12.5	3	15	88	15	118	354	3.5	
	34	Ø12.5	3	15	88	15	118	354	3.5	
	35	Ø12.5	6	30	79		109	654	4.4	
	36	Ø4.2	5		47		47	141		0.2
	Total=10E								14.7	0.2
P2=P3=P4=P5=P53 P54=P55=P56	37	Ø12.5	3	16	63	16	95	285	2.8	
	38	Ø12.5	3	16	63	16	95	285	2.8	
	39	Ø10	4	30	68		98	392	2.5	
	40	Ø4.2	5		57		57	171		0.2
	Total=10E								8.9	0.2
	(x5)								71.2	1.6
P1=P14=P39=P52	41	Ø12.5	3	16	63	16	95	285	2.8	
	42	Ø12.5	3	16	63	16	95	285	2.8	
	43	Ø10	4	30	68		98	392	2.5	
	44	Ø4.2	5		67		67	201		0.2
	Total=10E								8.9	0.2
	(x5)								35.6	0.8
P5=P6=P7=P8=P9 P56=P57=P58=P59 P60=P61	1	Ø12.5	3	16	63	16	95	285	2.8	
	2	Ø12.5	3	16	63	16	95	285	2.8	
	3	Ø10	4	30	68		98	392	2.5	
	4	Ø4.2	5		57		57	171		0.2
	Total=10E								8.9	0.2
	(x11)								97.9	2.2
P19=P21=P43	25	Ø12.5	3	15	68	15	98	294	2.9	
	26	Ø12.5	3	15	68	15	98	294	2.9	
	27	Ø10	4	30	68		98	392	2.5	
	28	Ø4.2	5		47		47	141		0.2
	Total=10E								9.1	0.2
	(x3)								27.3	0.6
P46=P47	29	Ø12.5	3	15	68	15	98	294	2.9	
	30	Ø12.5	3	15	68	15	98	294	2.9	
	31	Ø10	4	30	68		98	392	2.5	
	32	Ø4.2	5		57		57	171		0.2
	Total=10E								9.1	0.2
	(x2)								18.2	0.4
P13=P65	1	Ø12.5	3	16	63	16	95	285	2.8	
	2	Ø12.5	3	16	63	16	95	285	2.8	
	3	Ø10	4	30	68		98	392	2.5	
	4	Ø4.2	5		67		67	201		0.2
	Total=10E								8.9	0.2
	(x2)								17.8	0.4
P23=P49	5	Ø12.5	3	15	68	15	98	294	2.9	
	6	Ø12.5	3	15	68	15	98	294	2.9	
	7	Ø10	4	30	68		98	392	2.5	
	8	Ø4.2	5		47		47	141		0.2
	Total=10E								9.1	0.2
	(x2)								18.2	0.4
P26=P38=P50	9	Ø12.5	3	16	63	16	95	285	2.8	
	10	Ø12.5	3	16	63	16	95	285	2.8	
	11	Ø10	4	30	68		98	392	2.5	
	12	Ø4.2	5		57		57	171		0.2
	Total=10E								8.9	0.2
	(x3)								26.7	0.6
P9=P10=P11=P12 P61=P62=P63=P64	13	Ø12.5	3	16	63	16	95	285	2.8	
	14	Ø12.5	3	16	63	16	95	285	2.8	
	15	Ø10	4	30	68		98	392	2.5	
	16	Ø4.2	5		57		57	171		0.2
	Total=10E								8.9	0.2
	(x8)								71.2	1.6
P22=P24=P25=P33 P34=P35=P36=P37 P48	17	Ø12.5	2	16	58	16	90	180	1.8	
	18	Ø12.5	2	16	58	16	90	180	1.8	
	19	Ø10	4	30	68		95	382	2.5	
	20	Ø4.2	5		47		47	141		0.2
	Total=10E								6.7	0.2
	(x9)								60.3	1.8
P9=P10=P11=P12 P61=P62=P63=P64	21	Ø12.5	3	16	63	16	95	285	2.8	
	22	Ø12.5	3	16	63	16	95	285	2.8	
	23	Ø10	4	30	68		98	392	2.5	
	24	Ø4.2	5		57		57	171		0.2
	Total=10E								8.9	0.2
	(x8)								71.2	1.6
P26=P38=P50	25	Ø12.5	3	16	63	16	95	285	2.8	
	26	Ø12.5	3	16	63	16	95	285	2.8	
	27	Ø10	4	30	68		98	392	2.5	
	28	Ø4.2	5		57		57	171		0.2
	Total=10E								8.9	0.2
	(x3)								26.7	0.6
P23=P49	29	Ø12.5	3	15	68	15	98	294	2.9	
	30	Ø12.5	3	15	68	15	98	294	2.9	
	31	Ø10	4	30	68		98	392	2.5	
	32	Ø4.2	5		47		47	141		0.2
	Total=10E								9.1	0.2
	(x2)								18.2	0.4
P13=P65	33	Ø12.5	3	16	63	16	95	285	2.8	
	34	Ø12.5	3	16	63	16	95	285	2.8	
	35	Ø10	4	30	68		98	392	2.5	
	36	Ø4.2	5		67		67	201		0.2
	Total=10E								8.9	0.2
	(x2)								17.8	0.4
P22=P24=P25=P33 P34=P35=P36=P37 P48	37	Ø12.5	2	16	58	16	90	180	1.8	
	38	Ø12.5	2	16	58	16	90	180	1.8	
	39	Ø10	4	30	68		95	382	2.5	
	40	Ø4.2	5		47		47	141		0.2
	Total=10E								6.7	0.2
	(x9)								60.3	1.8
	#4.2:							0.0	24.2	
	#10:							356.6	0.0	
	#12.5:							715.8	0.0	
	Total:							1072.4	26.2	

C L P ENGENHARIA E PROJETOS LTDA

CNPJ 33.185.504/0001-28
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RESP. TÉCNICOS: ENGº CIVIL JOÃO BATISTA COLPO CREA 42.829

DATA: JUNHO 2012

ESCALA: 1:100

DESENHO: João

PROJETO ESTRUTURAL

SAPATAS

PRANCHA: 4/8