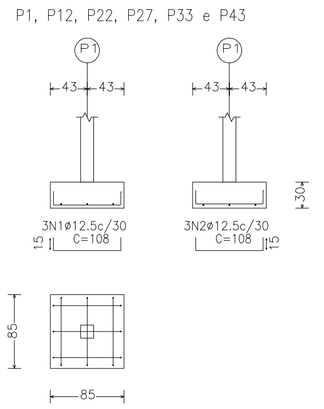

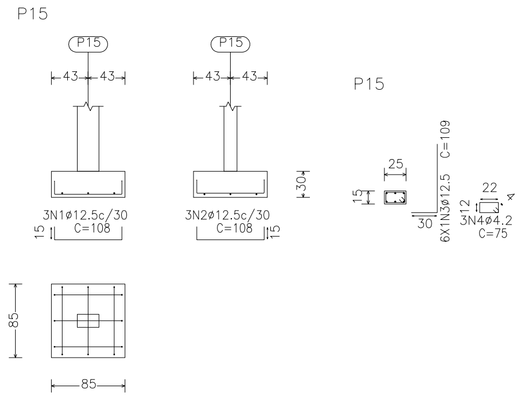

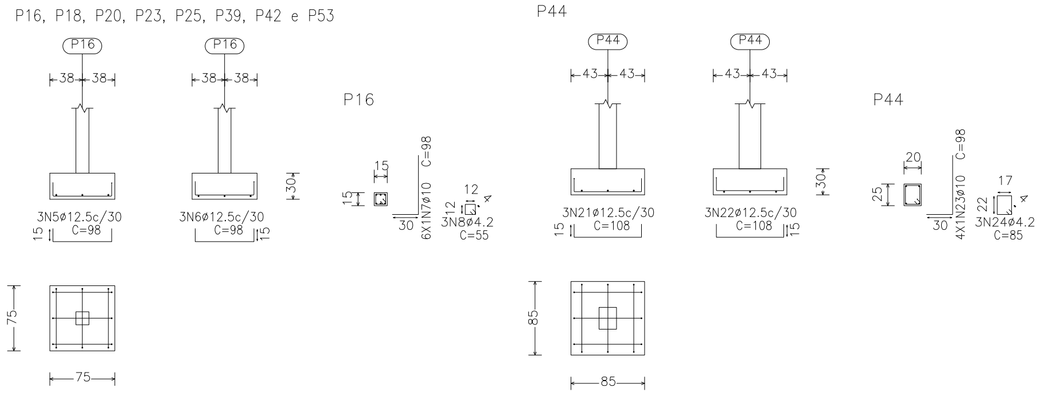

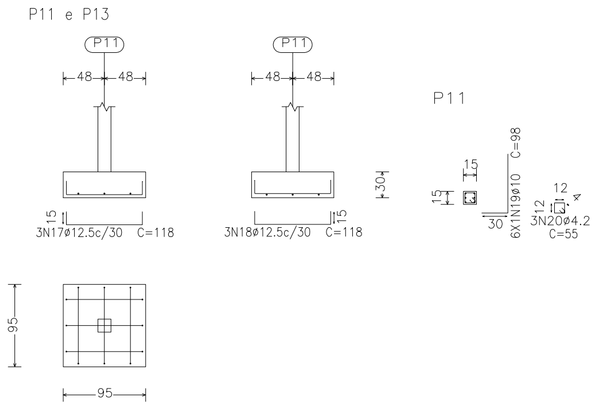

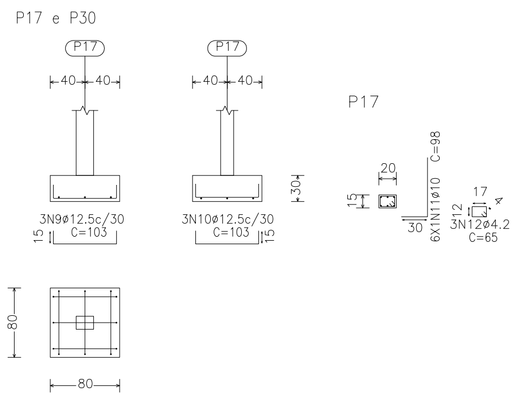

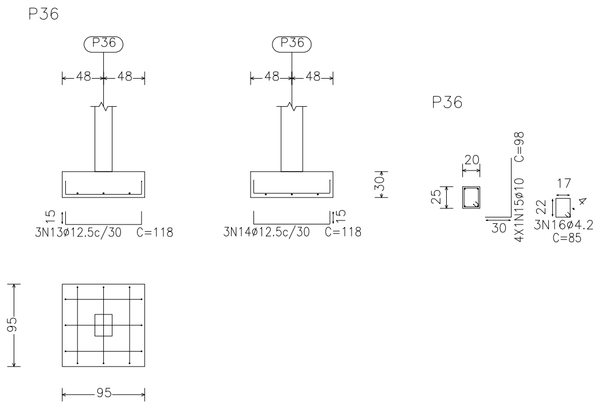

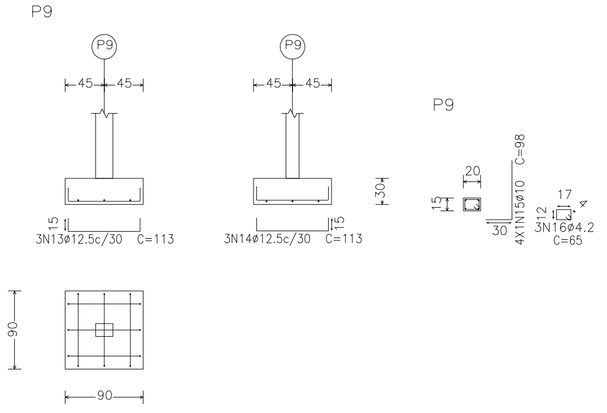

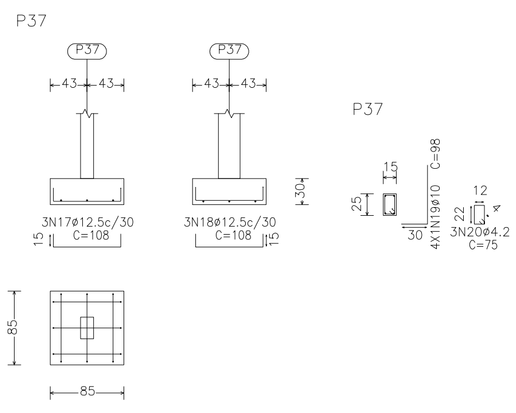

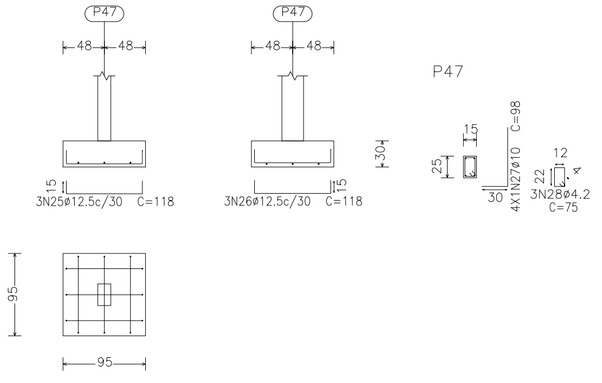

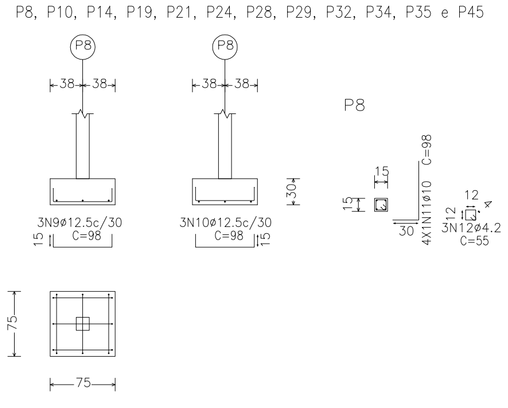

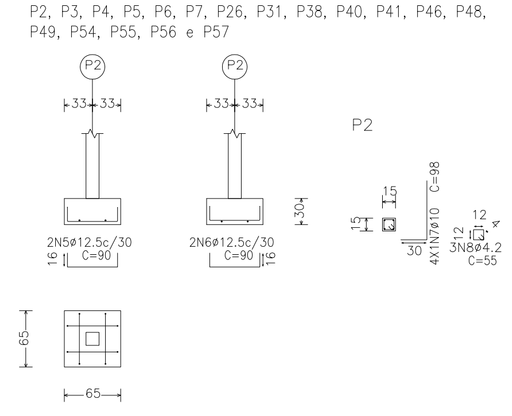

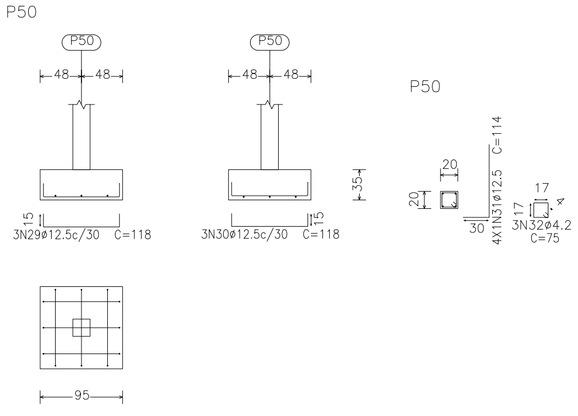

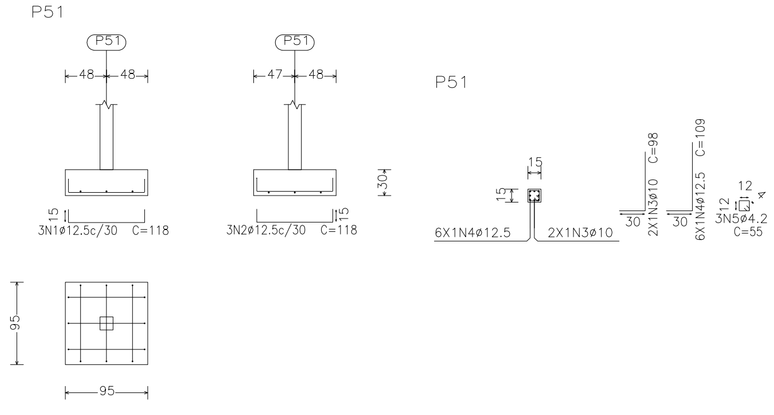

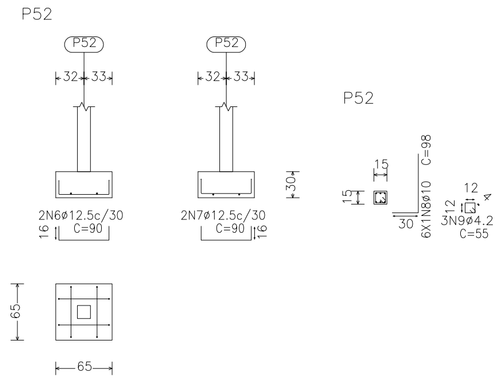

QUADRO DE ELEMENTOS DE FUNDAÇÃO				
Referências	Dimensões (cm)	Altura (cm)	Armadura inf. X	Armadura inf. Y
P1, P12, P15, P22, P27, P33, P37, P43 e P44	85x85	30	3ø12.5c/30	3ø12.5c/30
P2, P3, P4, P5, P6, P7, P26, P31, P38, P40, P41, P46, P48, P49, P52, P54, P55, P56 e P57	65x65	30	2ø12.5c/30	2ø12.5c/30
P8, P10, P14, P16, P18, P19, P20, P21, P23, P24, P25, P28, P29, P32, P34, P35, P39, P42, P45 e P53	75x75	30	3ø12.5c/30	3ø12.5c/30
P9	90x90	30	3ø12.5c/30	3ø12.5c/30
P11, P13, P36, P47 e P51	95x95	30	3ø12.5c/30	3ø12.5c/30
P17 e P30	80x80	30	3ø12.5c/30	3ø12.5c/30
P50	95x95	35	3ø12.5c/30	3ø12.5c/30

Quadro de arranques			
Referências	Armaduras Cantos	Armaduras Face X	Armaduras Face Y
P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P12, P14, P19, P21, P22, P24, P26, P27, P28, P29, P31, P32, P33, P34, P35, P36, P37, P38, P40, P41, P43, P44, P45, P46, P47, P48, P49, P54, P55, P56 e P57	4ø10 (30+24+44)		
P11 e P13	4ø10 (30+24+44)		2ø10 (30+24+44)
P15	4ø12.5 (30+24+55)	2ø12.5 (30+24+55)	
P16, P17, P18, P20, P23, P25, P30, P39, P42, P52 e P53	4ø10 (30+24+44)	2ø10 (30+24+44)	
P50	4ø12.5 (30+29+55)		
P51	4ø12.5 (30+24+55)	2ø10 (30+24+44)	2ø12.5 (30+24+55)

Resumo Aço Fundação Detalhamento fundação		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø10	239.1	165	
	ø12.5	323.6	349	514
CA-60-B	ø4.2	99.2	12	12
Total				526

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
P15	1	ø12.5	3	15	78	15	108	324	3.2	
	2	ø12.5	3	15	78	15	108	324	3.2	
	3	ø12.5	6	30	79		109	654	6.4	
	4	ø4.2	3		75		75	225		0.2
								Total+10%:	14.1	0.2
P16=P18=P20=P23 P25=P39=P42=P53	5	ø12.5	3	15	68	15	98	294	2.9	
	6	ø12.5	3	15	68	15	98	294	2.9	
	7	ø10	6	30	68		98	588	3.7	
	8	ø4.2	3		55		55	165		0.2
								Total+10%:	10.5	0.2
								(x8):	84.0	1.6
P17=P30	9	ø12.5	3	15	73	15	103	309	3.0	
	10	ø12.5	3	15	73	15	103	309	3.0	
	11	ø10	6	30	68		98	588	3.7	
	12	ø4.2	3		65		65	195		0.2
								Total+10%:	10.7	0.2
								(x2):	21.4	0.4
P36	13	ø12.5	3	15	88	15	118	354	3.5	
	14	ø12.5	3	15	88	15	118	354	3.5	
	15	ø10	4	30	68		98	392	2.5	
	16	ø4.2	3		85		85	255		0.3
								Total+10%:	10.5	0.3
P37	17	ø12.5	3	15	78	15	108	324	3.2	
	18	ø12.5	3	15	78	15	108	324	3.2	
	19	ø10	4	30	68		98	392	2.5	
	20	ø4.2	3		75		75	225		0.2
								Total+10%:	9.8	0.2
P44	21	ø12.5	3	15	78	15	108	324	3.2	
	22	ø12.5	3	15	78	15	108	324	3.2	
	23	ø10	4	30	68		98	392	2.5	
	24	ø4.2	3		85		85	255		0.3
								Total+10%:	9.8	0.3
P47	25	ø12.5	3	15	88	15	118	354	3.5	
	26	ø12.5	3	15	88	15	118	354	3.5	
	27	ø10	4	30	68		98	392	2.5	
	28	ø4.2	3		75		75	225		0.2
								Total+10%:	10.5	0.2
P50	29	ø12.5	3	15	88	15	118	354	3.5	
	30	ø12.5	3	15	88	15	118	354	3.5	
	31	ø12.5	4	30	84		114	456	4.5	
	32	ø4.2	3		75		75	225		0.2
								Total+10%:	12.7	0.2
								ø4.2:	0.0	3.4
								ø10:	52.2	0.0
								ø12.5:	120.6	0.0
								Total:	172.8	3.4

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
P1=P12=P22=P27 P33=P43	1	ø12.5	3	15	78	15	108	324	3.2	
	2	ø12.5	3	15	78	15	108	324	3.2	
	3	ø10	4	30	68		98	392	2.5	
	4	ø4.2	3		55		55	165		0.2
								Total+10%:	9.8	0.2
								(x6):	58.8	1.2
P2=P3=P4=P5=P6 P7=P26=P31=P38 P40=P41=P46=P48 P49=P54=P55=P56 P57	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		98	392	2.5	
	8	ø4.2	3		55		55	165		0.2
								Total+10%:	6.7	0.2
								(x18):	120.6	3.6
P8=P10=P14=P19 P21=P24=P28=P29 P32=P34=P35=P45	9	ø12.5	3	15	68	15	98	294	2.9	
	10	ø12.5	3	15	68	15	98	294	2.9	
	11	ø10	4	30	68		98	392	2.5	
	12	ø4.2	3		55		55	165		0.2
								Total+10%:	9.1	0.2
								(x12):	109.2	2.4
P9	13	ø12.5	3	15	83	15	113	339	3.3	
	14	ø12.5	3	15	83	15	113	339	3.3	
	15	ø10	4	30	68		98	392	2.5	
	16	ø4.2	3		65		65	195		0.2
								Total+10%:	10.0	0.2
P11=P13	17	ø12.5	3	15	88	15	118	354	3.5	
	18	ø12.5	3	15	88	15	118	354	3.5	
	19	ø10	6	30	68		98	588	3.7	
	20	ø4.2	3		55		55	165		0.2
								Total+10%:	11.8	0.2
								(x2):	23.6	0.4
								ø4.2:	0.0	7.8
								ø10:	108.7	0.0
								ø12.5:	213.5	0.0
								Total:	322.2	7.8

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
P51	1	ø12.5	3	15	88	15	118	354	3.5	
	2	ø12.5	3	15	88	15	118	354	3.5	
	3	ø10	2	30	68		98	196	1.2	
	4	ø12.5	6	30	79		109	654	6.4	
	5	ø4.2	3		55		55	165		0.2
								Total+10%:	16.1	0.2
P52	6	ø12.5	2	16	58	16	90	180	1.8	
	7	ø12.5	2	16	58	16	90	180	1.8	
	8	ø10	6	30	68		98	588	3.7	
	9	ø4.2	3		55		55	165		0.2
								Total+10%:	8.0	0.2
								ø4.2:	0.0	0.4
								ø10:	5.4	0.0
								ø12.5:	18.7	0.0
								Total:	24.1	0.4

PREFEITURA MUNICIPAL DE CANDIOTA

SECRETÁRIO DE OBRAS: ARTÊMIO PARCIANELLO	RESPONSÁVEL TÉCNICO: MARCELO VAZ LEAL, ENGº CIVIL - CREA 85578-D
LOCAL: P.A. 8 DE AGOSTO	PROJETO: UNIDADE BÁSICA DE SAÚDE
ESPECIFICAÇÃO: PROJETO ESTRUTURAL - FUNDAÇÃO	ESCALA: 1:100 / PRANCHA: EST-02