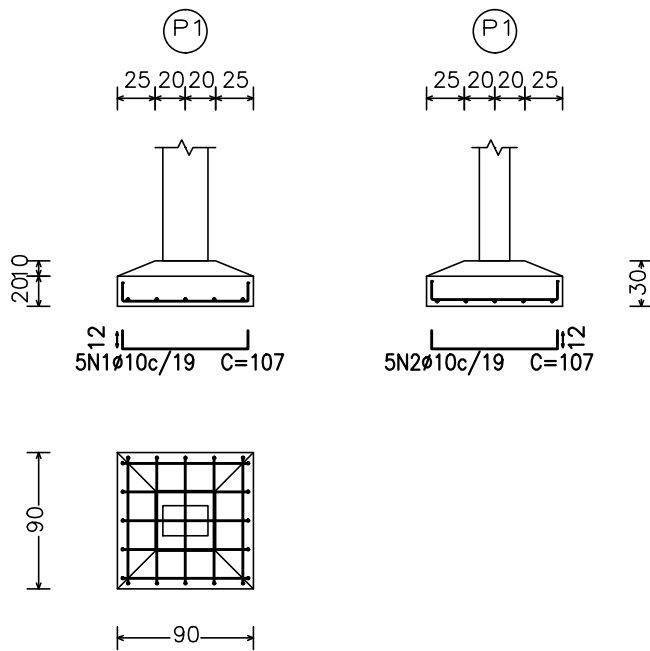
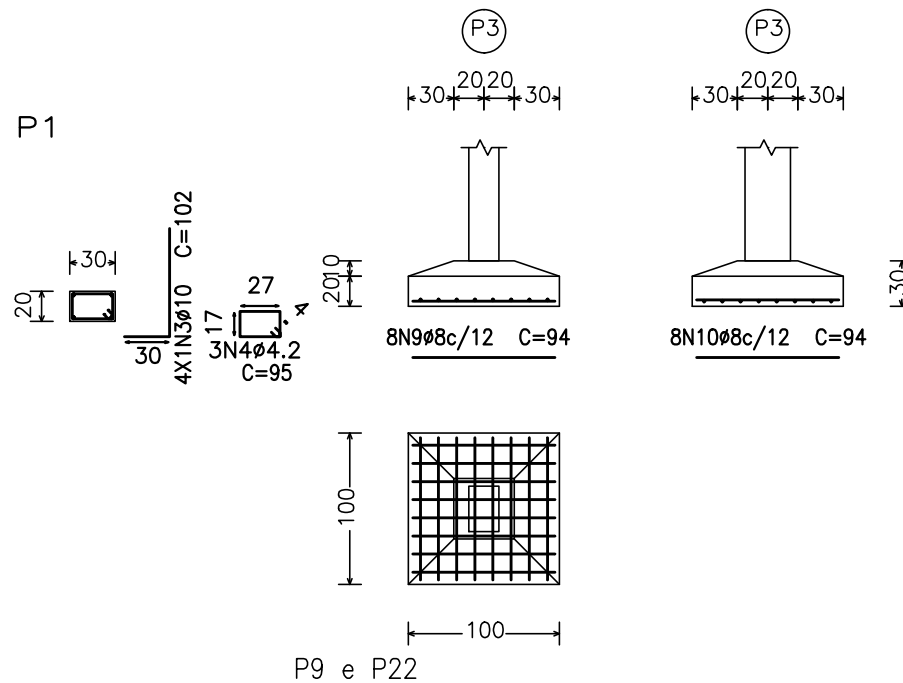


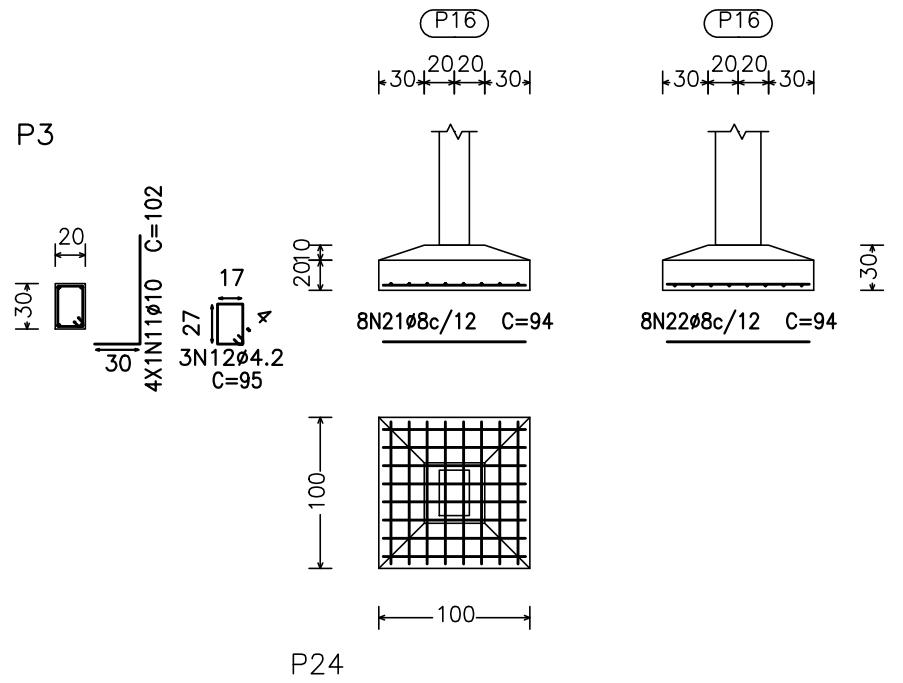
P1, P4, P7, P18 e P31



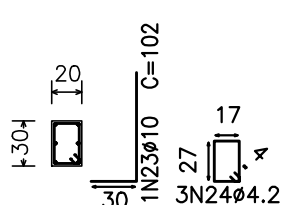
P3, P6, P10, P14, P15, P17 e P32



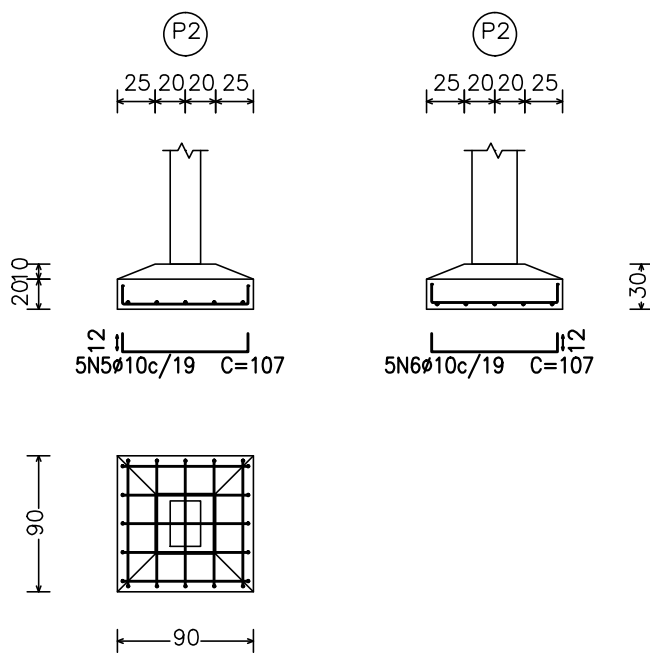
P16



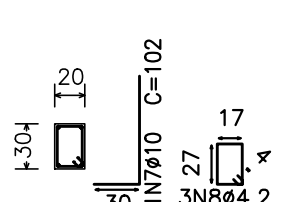
P16



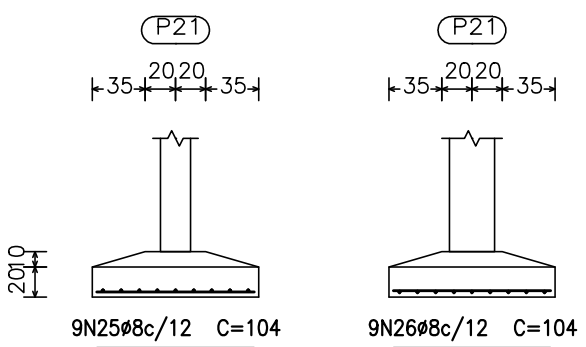
P2, P5, P8, P11, P13, P19, P20, P23, P26, P27, P28, P29, P30, P33, P34, P35, P36, P37, P38, P39 e P40



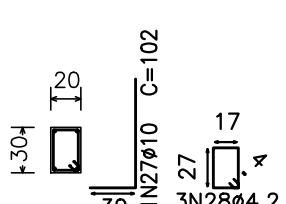
P2



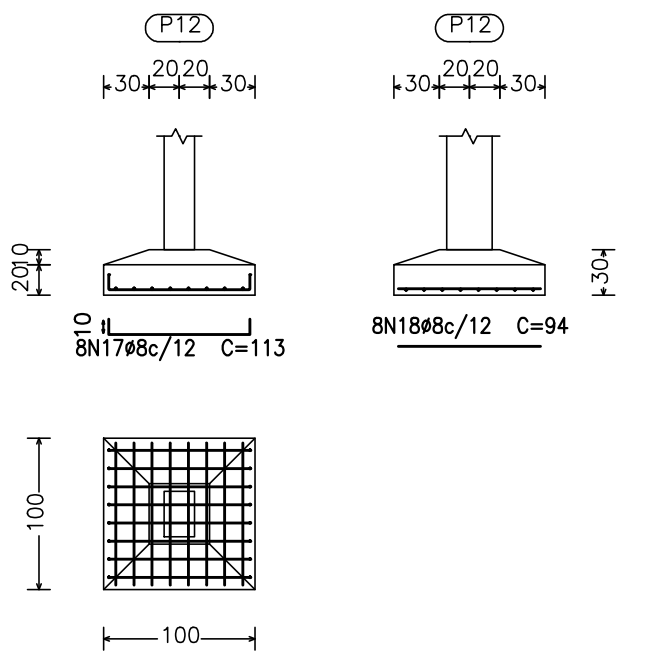
P21 e P25



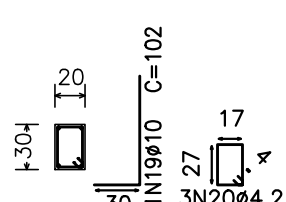
P21



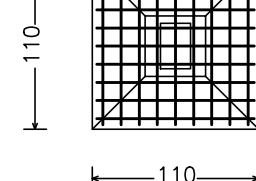
P12



P12



P12



Resumo Aço Fundação	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	230.5	100	
CA-60-B	114.0	14	14
Total			423

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Retd (cm)	Dob. (cm)	Comp. (cm)	Tota (cm)	CA-50-A (kg)	CA-60-B (kg)
P1=P4=P7=P18=P31	1	ø10	5	12	83	12	107	535	3.4	
	2	ø10	5	12	83	12	107	535	3.4	
	3	ø10	4	30	72		102	408	2.6	
	4	ø4.2	3		95		95	285		0.3
Total+10% (x5):									10.3	0.3
P2=P5=P8=P11=P13 P19=P20=P23=P26 P27=P28=P29=P30 P33=P34=P35=P36 P37=P38=P39=P40	5	ø10	5	12	83	12	107	535	3.4	
	6	ø10	5	12	83	12	107	535	3.4	
	7	ø10	4	30	72		102	408	2.6	
	8	ø4.2	3		95		95	285		0.3
Total+10% (x1):									10.3	0.3
P3=P6=P10=P14 P15=P17=P32	9	ø8	8		94		94	752	3.0	
	10	ø8	8		94		94	752	3.0	
	11	ø10	4	30	72		102	408	2.6	
	12	ø4.2	3		95		95	285		0.3
Total+10% (x7):									9.5	0.3
P9=P22	13	ø8	9		104		104	936	3.7	
	14	ø8	9		104		104	936	3.7	
	15	ø10	6	30	72		102	612	3.8	
	16	ø4.2	3		95		95	285		0.3
Total+10% (x2):									12.3	0.3
P12	17	ø8	8	10	93	10	113	904	3.5	
	18	ø8	8		94		94	752	3.0	
	19	ø10	4	30	72		102	408	2.6	
	20	ø4.2	3		95		95	285		0.3
Total+10% (x2):									10.0	0.3
P16	21	ø8	8		94		94	752	3.0	
	22	ø8	8		94		94	752	3.0	
	23	ø10	6	30	72		102	612	3.8	
	24	ø4.2	3		95		95	285		0.3
Total+10% (x2):									10.8	0.3
P21=P25	25	ø8	9		104		104	936	3.7	
	26	ø8	9		104		104	936	3.7	
	27	ø10	4	30	72		102	408	2.6	
	28	ø4.2	3		95		95	285		0.3
Total+10% (x2):									11.0	0.3
P24	29	ø8	9		104		104	936	3.7	
	30	ø8	9		104		104	936	3.7	
	31	ø10	4	30	72		102	408	2.6	
	32	ø4.2	3		95		95	285		0.3
Total+10% (x2):									11.0	0.3
									ø4.2: 0.0	12.0
									ø6: 100.5	0.0
									ø10: 312.2	0.0
									Total: 412.7	12.0

Quadro de pilares
Concreto: C18, em geral
Aço: CA-50-A e CA-60-B
Escala: 1:50

Resumo Aço Pisos 1 e 2 Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A ø10	915.1	632	632
CA-60-B ø5	1118.6	193	193
Total			825

P1=P4 P7=P18 P24=P31	P2=P3=P5=P6=P8 P10=P11=P12 P13=P14=P15 P17=P19=P20 P21=P23=P25 P26=P27=P28 P29=P30=P32 P33=P34=P35 P36=P37=P38 P39=P40	P9=P16 P22
30 ø10 2485c/12	12 ø10 2485c/12	12 ø10 2485c/12
30 ø10 2410 C=120 2410 C=125 ø10 C=102 785c/12	20 ø10 785c/12	20 ø10 2410 C=120 2410 C=125 ø10 C=102 785c/12
Fundação		

APROVADO PELA PREFEITURA em 11/10/2014

PREFEITURA MUNICIPAL DE CARANDAI

TÍTULO :		PROJETO ESTRUTURAL	
OBRA :		CONSTRUÇÃO DA UNIDADE BÁSICA DE SAÚDE - ACAMPAMENTO	
ENDEREÇO:		COMUNIDADE DE MATINADA S/N, CARANDAÍ - MG	
ÁREA CONSTRUÍDA	278,13 m²	OBS.:	
PROPRIETÁRIO:	PREFEITURA MUNICIPAL DE CARANDAI - CNPJ 18.094.797 / 0001 - 07		USO: PÚBLICO
RESP. TÉCNICO :	WANDER RODRIGUES DA SILVA - CREA 61.660/D		ESCALA: INDICADA
CONTEUDO DA FOLHA:	Detalhe (fundação-sapata e pilares)		FOLHA: 02/08