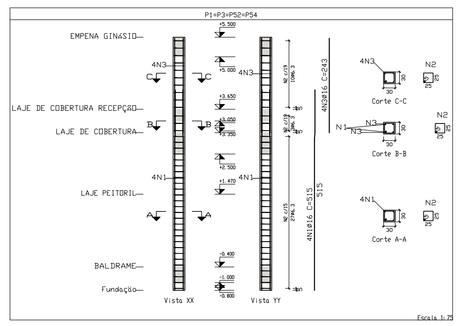
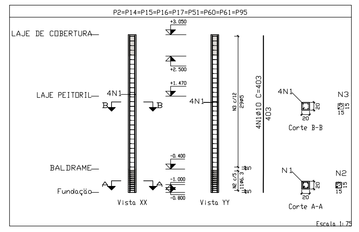
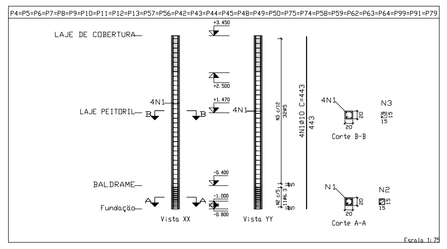
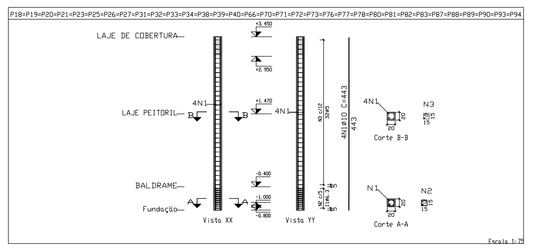
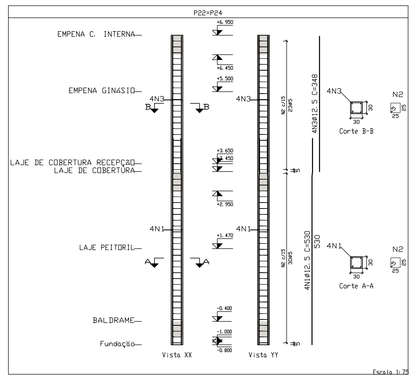


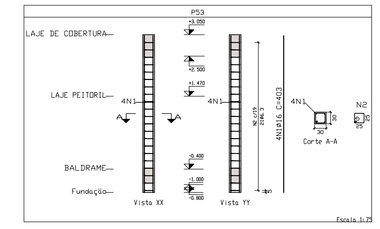


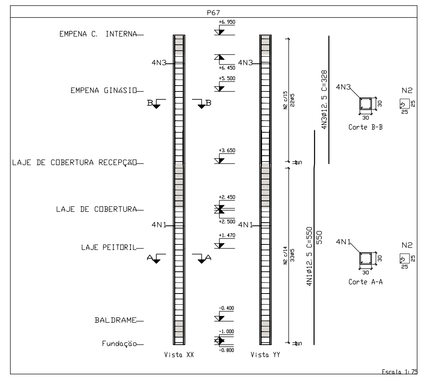


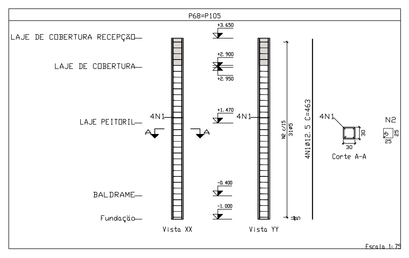


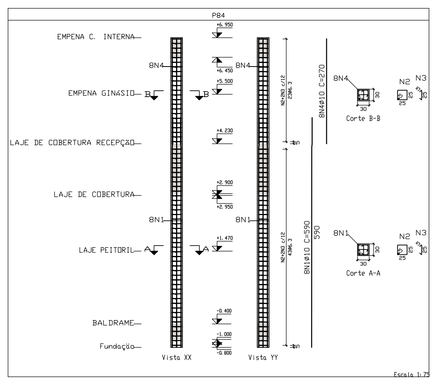


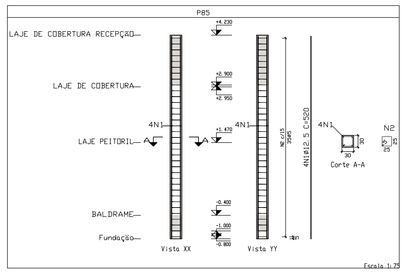
Elemento	Pos.	Bitola	Qt	Comprim (cm)	Total Cm	CA-50 (kg)	CA-60 (kg)
P1=P3=P52=P54	1	Ø16	4	515	2060	32.5	
	2	Ø6.3	40	109	4360	10.7	
	3	Ø16	4	243	972	15.3	
				Total=10[5]		64.4	
				t=6[2]		57.6	
P22=P24	1	Ø12.5	4	530	2120	20.4	
	2	Ø5	53	109	5777		9.1
	3	Ø12.5	4	348	1392	13.4	
				Total=10[5]		37.2	10.0
				t=2[7]		74.4	20.0
P4=P5=P6=P7=P8 P9=P10=P11=P12 P13=P57=P56=P42 P43=P44=P45=P48 P49=P50=P75=P74 P58=P59=P62=P63 P64=P99=P91=P79	1	Ø10	4	443	1772	10.9	
	2	Ø6.3	3	11	69	759	1.9
	3	Ø5	32	69	2208		3.5
				Total=10[5]		14.1	3.9
				t=29		408.9	113.1
P96=P97=P98=P101 P102=P103	1	Ø10	4	315	1260	7.8	
	2	Ø6.3	36	69	2484	6.1	
	3	Ø10	4	195	780	4.8	
				Total=10[5]		20.6	
				t=3[7]		23.6	
P85	1	Ø12.5	4	502	2080	20.0	
	2	Ø5	35	109	3815		6.0
				Total=10[5]		22.0	6.6
P100	1	Ø12.5	4	463	1852	17.8	
	2	Ø6.3	31	69	2139	5.2	
				Total=10[5]		23.3	
P106	1	Ø12.5	4	463	1852	17.8	
	2	Ø6.3	31	109	3379	8.3	
				Total=10[5]		26.1	
P107=P108	1	Ø12.5	4	611	2440	23.5	
	2	Ø10	4	620	2480	15.3	
	3	Ø6.3	100	140	14000	34.1	
				Total=10[5]		80.2	
				t=2[7]		160.4	
P86	1	Ø12.5	4	530	2120	20.4	
	2	Ø5	53	109	5777		9.1
	3	Ø12.5	4	348	1392	13.4	
				Total=10[5]		37.2	10.0
P92	1	Ø10	4	463	1852	11.4	
	2	Ø6.3	31	69	2139	5.2	
				Total=10[5]		18.3	
P18=P19=P20=P21 P23=P25=P26=P27 P31=P32=P33=P34 P38=P39=P40=P66 P70=P71=P72=P73 P76=P77=P78=P80 P81=P82=P83=P87 P88=P89=P90=P93 P94	1	Ø10	4	443	1772	10.9	
	2	Ø6.3	11	69	759	1.9	
	3	Ø5	32	69	2208		3.5
				Total=10[5]		14.1	3.9
				t=30		465.3	128.7
P46=P47=P55=P65	1	Ø12.5	4	490	1960	18.9	
	2	Ø5	55	109	5995		9.4
	3	Ø12.5	4	388	1552	14.9	
				Total=10[5]		37.2	10.3
				t=6[1]		148.8	41.2
P67	1	Ø12.5	4	550	2200	21.2	
	2	Ø5	55	109	5995		9.4
	3	Ø12.5	4	328	1312	12.6	
				Total=10[5]		37.2	10.3
P84	1	Ø10	66	598	4735	29.1	
	2	Ø6.3	66	109	7194	17.6	
	3	Ø6.3	132	37	4884	12.0	
	4	Ø10	8	270	2160	13.3	
				Total=10[5]		79.2	
P35=P37=P69	1	Ø12.5	4	510	2120	20.4	
	2	Ø5	53	109	5777		9.1
	3	Ø12.5	4	348	1392	13.4	
				Total=10[5]		37.2	10.0
				t=3[1]		111.6	30.0
P104	1	Ø10	4	315	1260	7.8	
	2	Ø6.3	33	69	2277	5.6	
	3	Ø10	4	155	620	3.8	
				Total=10[5]		18.9	
P110=P109	1	Ø12.5	6	348	2088	20.1	
	2	Ø5	29	97	2813		4.4
	3	Ø5	29	21	609		1.0
	4	Ø12.5	6	165	990	9.5	
	5	Ø5	4	87	348		0.5
	6	Ø5	4	18	72		0.1
				Total=10[5]		32.6	6.6
				t=2[7]		65.2	13.2
P68=P105	1	Ø12.5	4	463	1852	17.8	
	2	Ø5	31	109	3379		5.3
				Total=10[5]		19.6	5.8
				t=2[7]		39.2	11.6
P36	1	Ø10	4	443	1772	10.9	
	2	Ø5	37	69	2553		4.0
				Total=10[5]		12.0	4.4
P41=P28	1	Ø12.5	4	443	1772	17.1	
	2	Ø5	30	69	2070		3.2
				Total=10[5]		18.8	3.5
				t=2[7]		37.6	7.0
P29=P30	1	Ø12.5	4	490	1960	18.9	
	2	Ø5	43	109	4687		7.4
	3	Ø12.5	4	243	972	9.4	
				Total=10[5]		31.1	8.1
				t=2[7]		62.2	16.2
P53	1	Ø16	4	403	1612	25.4	
	2	Ø6.3	21	109	2289	5.6	
				Total=10[5]		34.1	
P2=P14=P15=P16 P17=P51=P60=P61 P95	1	Ø10	4	403	1612	9.9	
	2	Ø6.3	11	69	759	1.9	
	3	Ø5	29	69	2001		3.1
				Total=10[5]		13.0	3.4
				t=9[1]		117.0	30.6
				Ø5		0.0	442.9
				Ø6.3		378.2	0.0
				Ø10		1043.1	0.0
				Ø12.5		726.4	0.0
				Ø16		238.2	0.0
				Total		2386.0	442.9

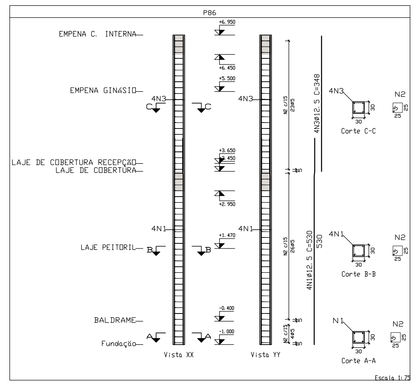


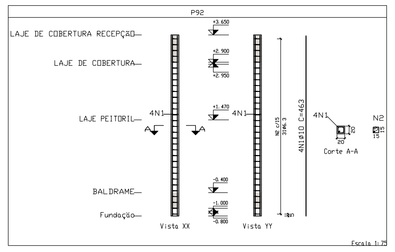


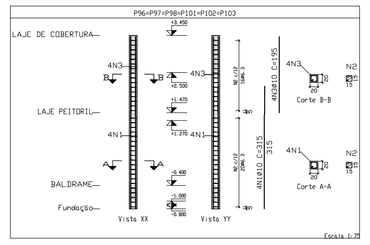


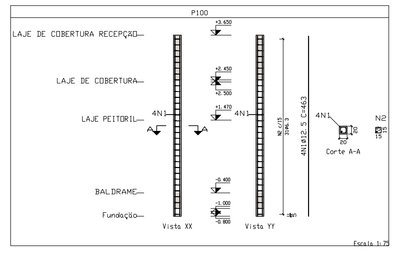


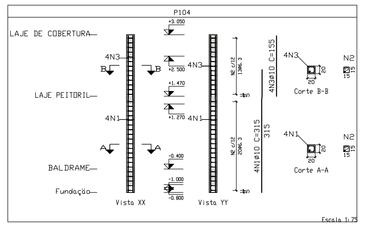


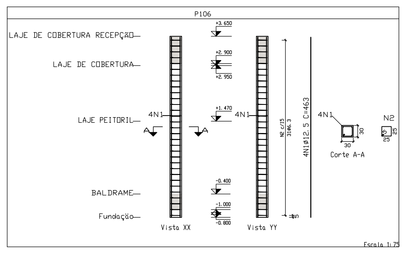


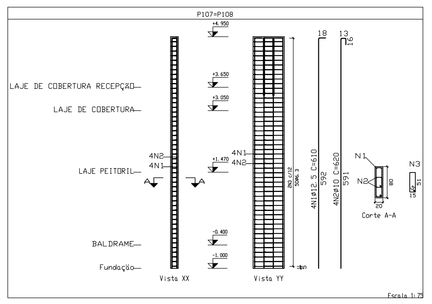


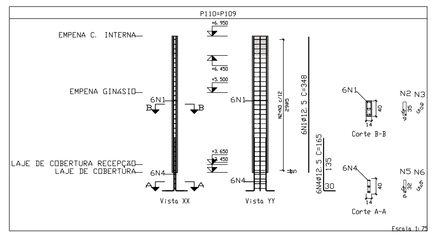












ARMAÇÃO DE PILARES
ESCALA - 1/75

OBS.: 1- CONFERIR MEDIDAS NA OBRA.
2- CONCRETO Fck = 25 MPa.

NR.	MODIFICAÇÕES	DATA	VISTO
02	PILARES P107 E P108	14/10/2014	
01	Fck CONCRETO	24/09/2014	

Ministério da Saúde

PROPRIETÁRIO :

RESPONSÁVEL TÉCNICO :

AUTORES :
MARCUS G. MESQUITA

AUTORES DO PROJETO DE ESTRUTURA:
MARCUS GONÇALVES DE MESQUITA - ENGº CIVIL CREA 96618/D-MM
ART CREA Nº: 28825/2013
email: marcus@tecproconstrucoes.com.br

DIREITOS AUTORAIS RESERVADOS - LEI 9610/98

PROPRIETÁRIO

OBRA: CER IV (FÍSICO+INTELECTUAL+AUDITIVO+VISUAL)

PROJETO: ESTRUTURAL

TÍTULO: ARMAÇÃO DE PILARES

FORMATO: A0

Nº PRANCHA: 20

ENDEREÇO

ETAPA: EXECUTIVO

FOLHA Nº: C 07

DATA	ESCALA	DESENHO	COORDENADOR/AUTORIZAÇÃO	REVISÃO
Outubro/2013	Indicada	Engº Marcus Mesquita	Engº João Vitório Engº Marcus Mesquita	02

TECPRO
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