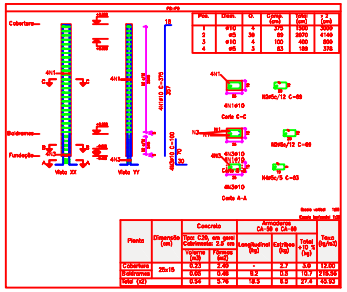
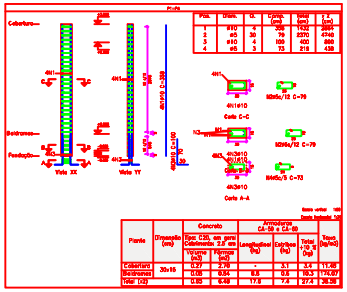
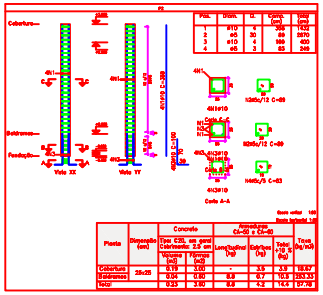
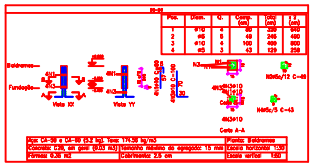
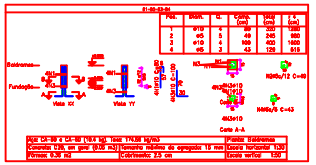


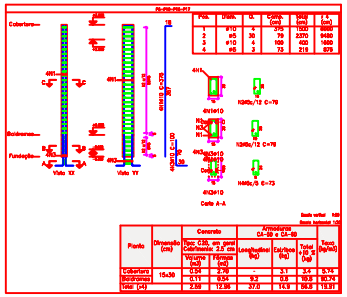


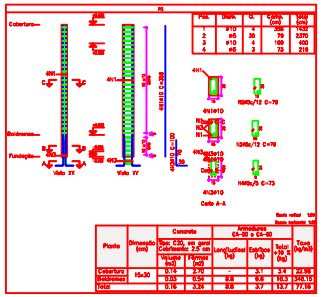


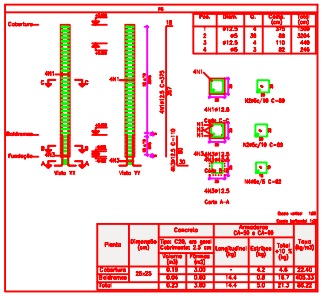


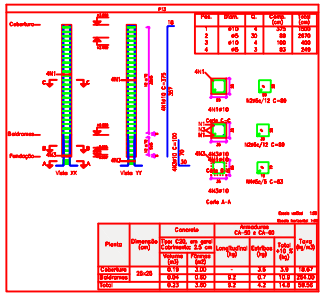


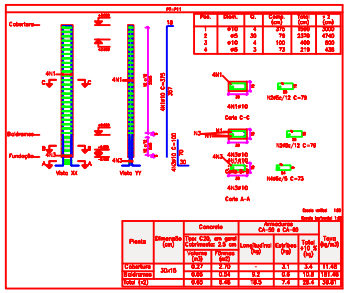
Elemento	Pos.	Diam.	Q.	Esquema	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P5=P6	1	ø10	4		80	320	2.0	
	2	ø5	8		49	392		0.4
	3	ø10	4		100	400	2.5	
	4	ø5	2		43	129		0.2
						Total (m)	4.5	0.7
						(+5%)	10.0	1.4
P1=P2=P3=P4=P7	1	ø10	4		80	320	2.0	
	2	ø5	8		49	392		0.4
	3	ø10	4		100	400	2.5	
	4	ø5	2		43	129		0.2
						Total (m)	4.5	0.7
						(+5%)	10.0	1.4
P1=P4	1	ø10	4		356	1432	8.8	
	2	ø5	36		79	2370		3.7
	3	ø10	4		100	400	2.5	
	4	ø5	3		73	219		0.3
						Total (m)	11.4	4.0
						(+5%)	24.8	6.2
P5=P7=P10=P11=P17	1	ø10	4		376	1504	9.2	
	2	ø5	36		79	2370		3.7
	3	ø10	4		100	400	2.5	
	4	ø5	3		73	219		0.3
						Total (m)	11.9	4.0
						(+5%)	25.9	6.2
P3	1	ø10	4		356	1432	8.8	
	2	ø5	36		79	2370		3.7
	3	ø10	4		100	400	2.5	
	4	ø5	3		73	219		0.3
						Total (m)	11.4	4.0
P4=P11	1	ø10	4		376	1504	9.2	
	2	ø5	36		79	2370		3.7
	3	ø10	4		100	400	2.5	
	4	ø5	3		73	219		0.3
						Total (m)	11.9	4.0
						(+5%)	25.9	6.2
P2	1	ø10	4		356	1432	8.8	
	2	ø5	36		89	2670		4.2
	3	ø10	4		100	400	2.5	
	4	ø5	3		53	249		0.4
						Total (m)	12.4	5.1
P6	1	ø12,5	4		376	1504	14.4	
	2	ø5	36		89	3204		5.0
	3	ø12,5	4		110	440	4.2	
	4	ø5	3		83	249		0.4
						Total (m)	20.5	5.9
P12=P16=P18	1	ø10	4		376	1504	9.2	
	2	ø5	36		89	3570		4.2
	3	ø10	4		100	400	2.5	
	4	ø5	3		53	249		0.4
						Total (m)	12.9	5.1
						(+5%)	26.7	15.3
P13	1	ø10	4		376	1504	9.2	
	2	ø5	36		89	3570		4.2
	3	ø10	4		100	400	2.5	
	4	ø5	3		53	249		0.4
						Total (m)	12.9	5.1
P8=P9	1	ø10	4		376	1504	9.2	
	2	ø5	36		89	3570		3.2
	3	ø10	4		100	400	2.5	
	4	ø5	3		53	189		0.3
						Total (m)	12.9	3.8
						(+5%)	26.8	7.6
P14=P15	1	ø10	4		356	1356	8.4	
	2	ø5	36		79	2586		4.0
	3	ø10	4		100	400	2.5	
	4	ø5	3		73	219		0.3
						Total (m)	11.1	4.7
						(+5%)	23.2	9.4
						ø10	260.6	9.0
						ø12,5	21.0	4.2
						Total	281.1	92.4

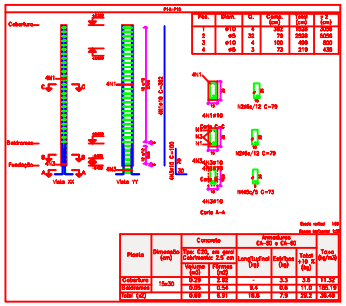


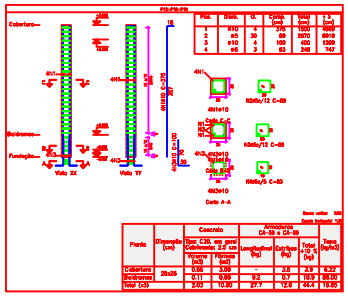












Resumo Aço Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50 ø10	383.0	260	
ø12,5	19.4	21	281
CA-60 ø5	536.0	93	93
Total			374

Pilares que nascem em Sapatas e chegam em Cobertura
Concreto: C20, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60

NOTAS:
1. MEDIDAS EM MILIMETROS, EXCETO ANOTADO

REV	DESCRIÇÃO	DATA

PREFEITURA DO MUNICIPIO DE VARGINHA
SEPLA - SECRETARIA MUNICIPAL DE PLANEJAMENTO URBANO

ENDEREÇO: RUA JÚLIO PAULO MARCELIN, Nº 50 BOA VISTA - VARGINHA/MG	DATA: ABRIL /2016
RESPONSÁVEL:	DESENHO: MARCELL
PREFEITURA MUNICIPAL DE VARGINHA	ARQUIVO: PGM.dwg
CULTURA DO PROJETO: JONATHAS LEÃO SOARES	ESCALA: 1291020
TITULO: DETALHAMENTO DOS PILARES	
PRANCHA: 06/06	DESCRIÇÃO DA PRANCHA: DETALHAMENTO DOS PILARES