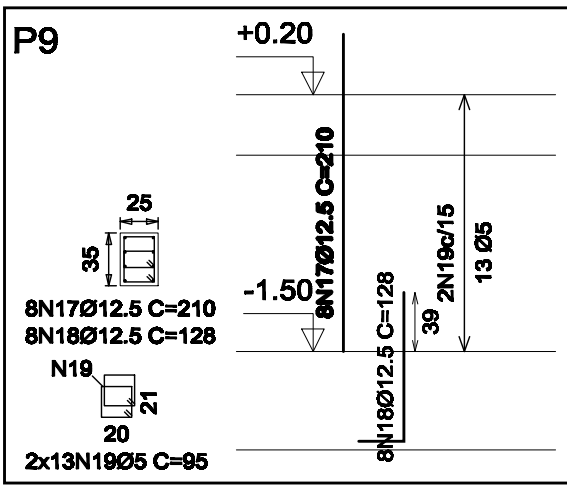
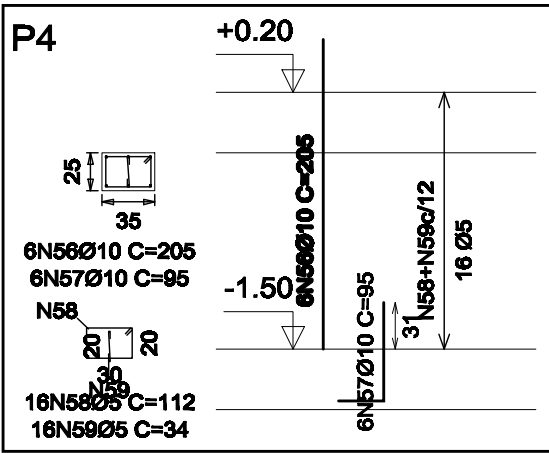
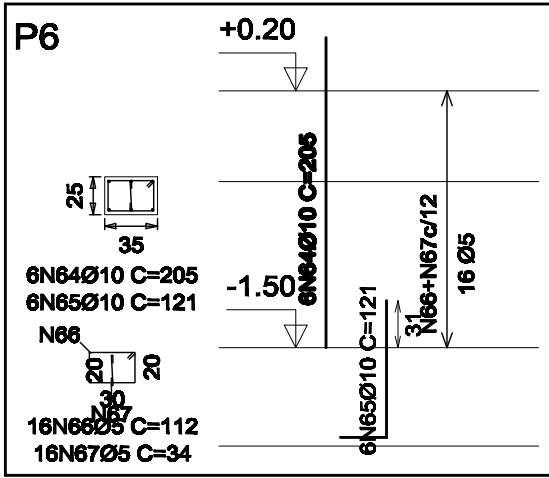
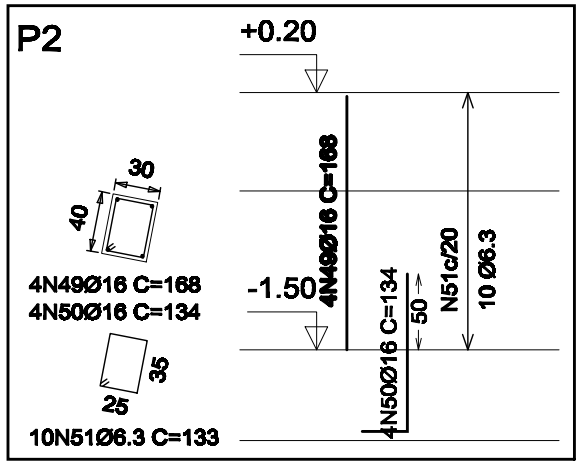
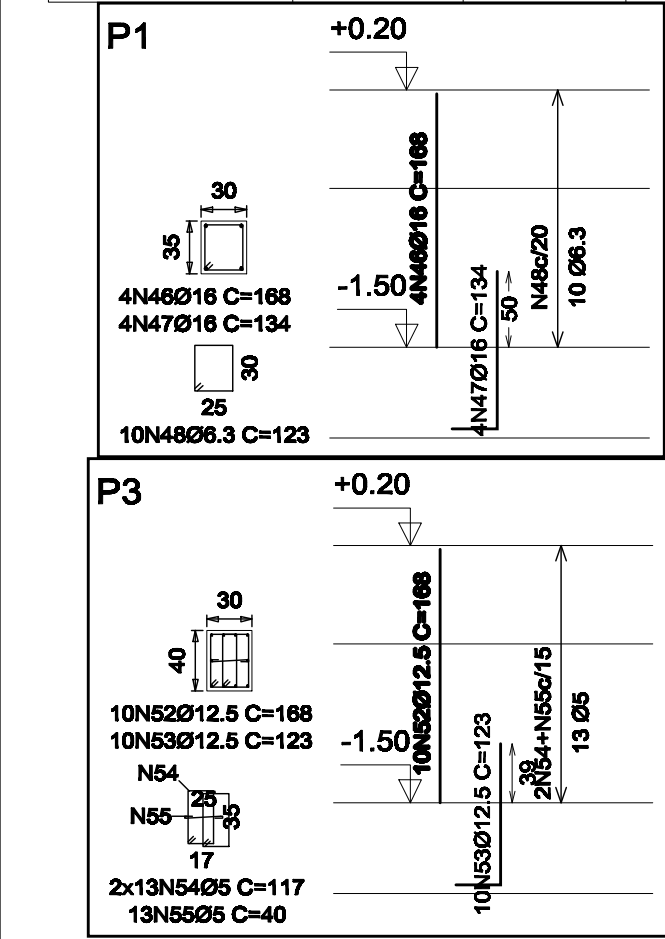
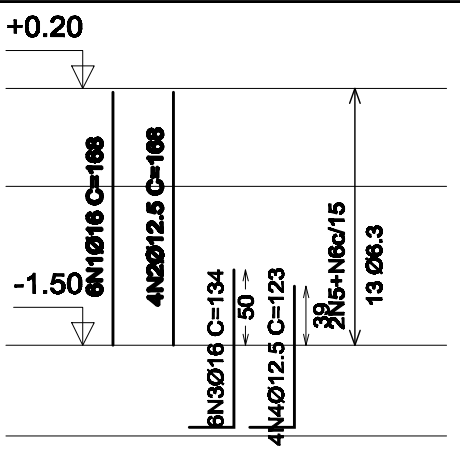
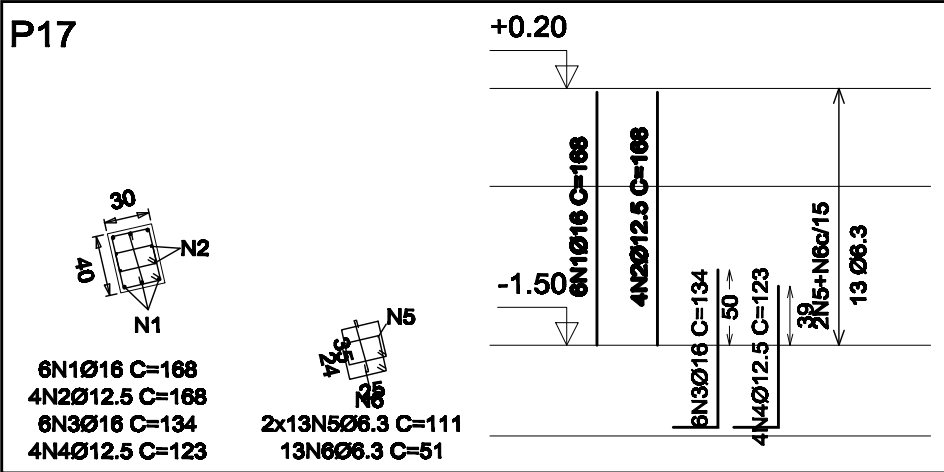
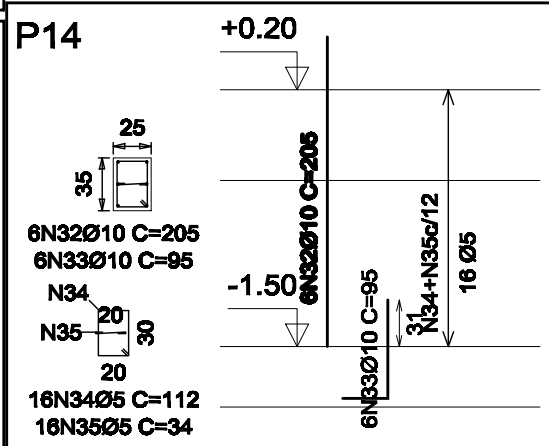
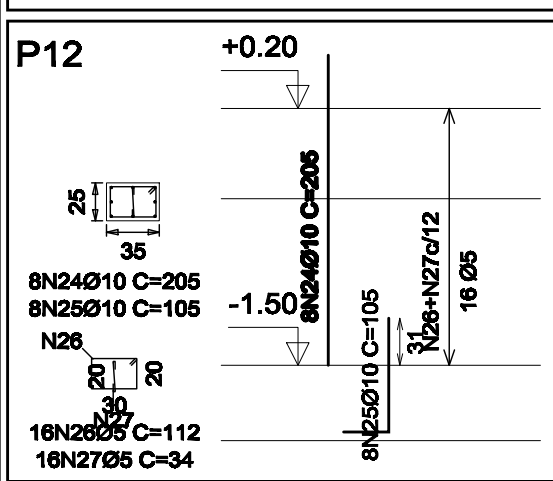
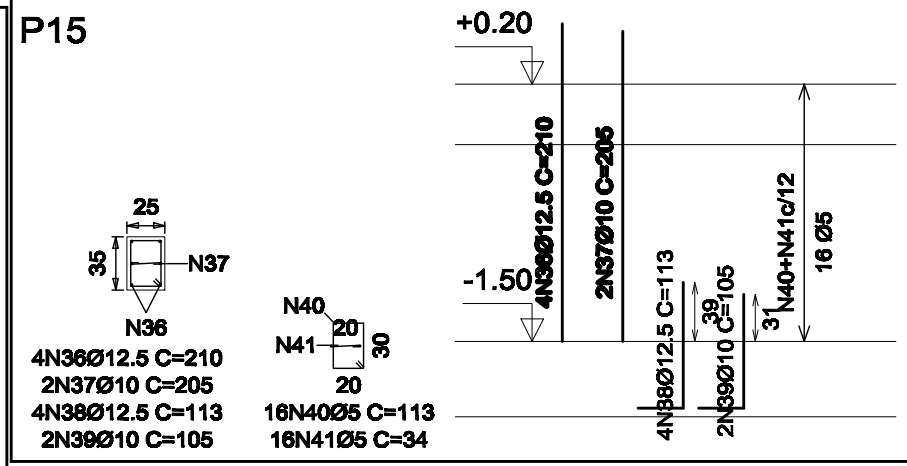
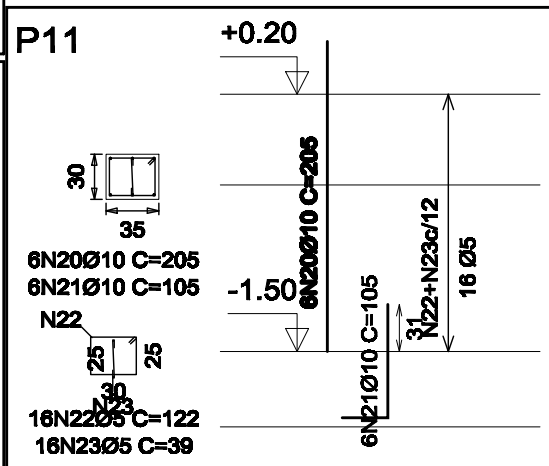
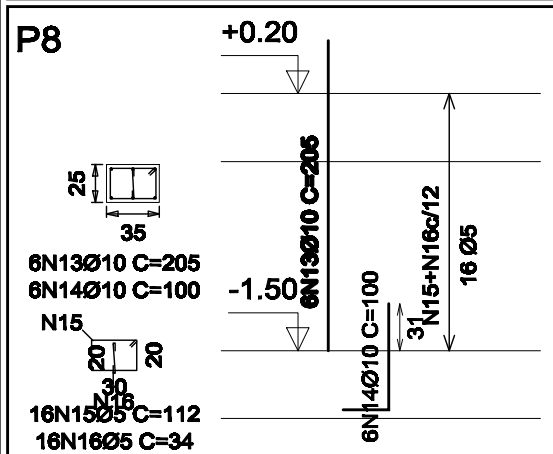
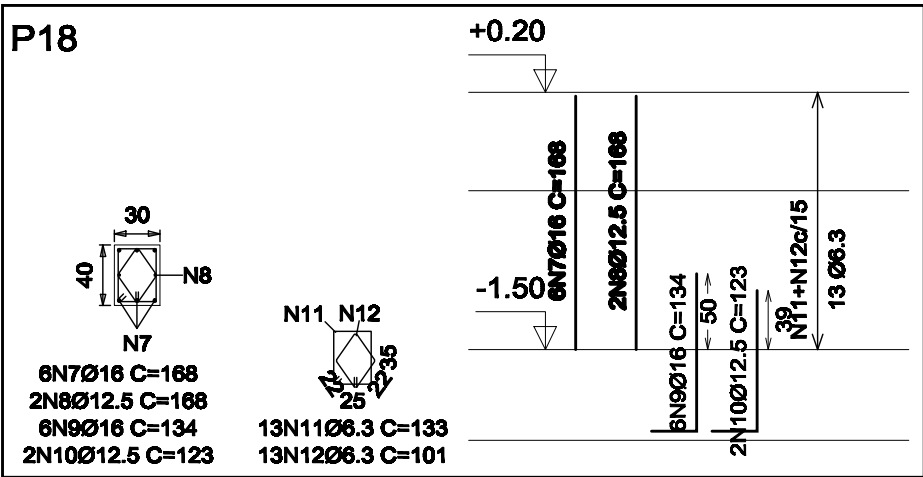
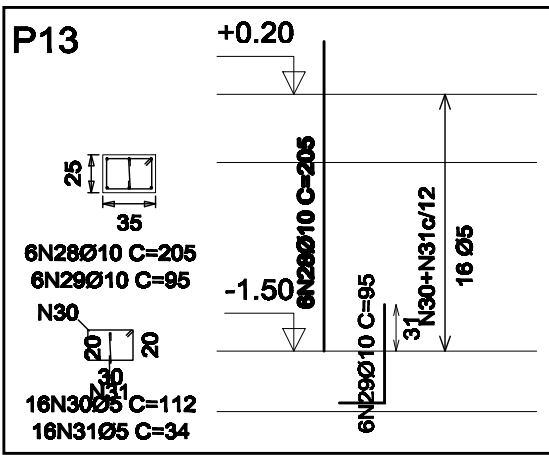
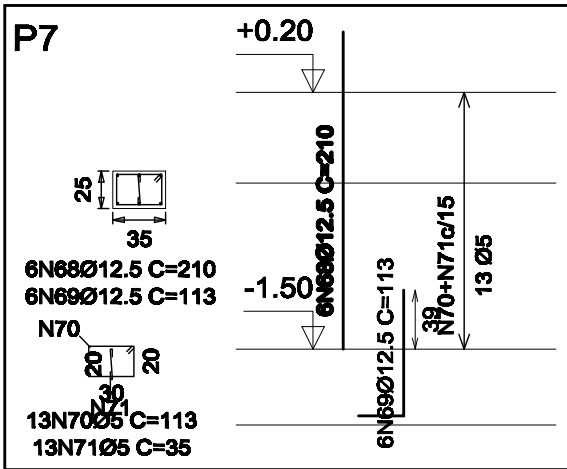
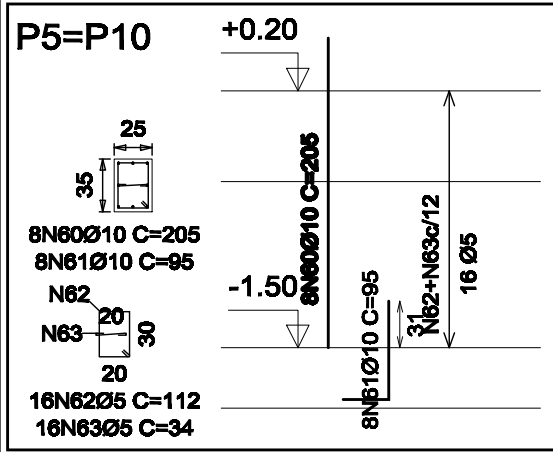
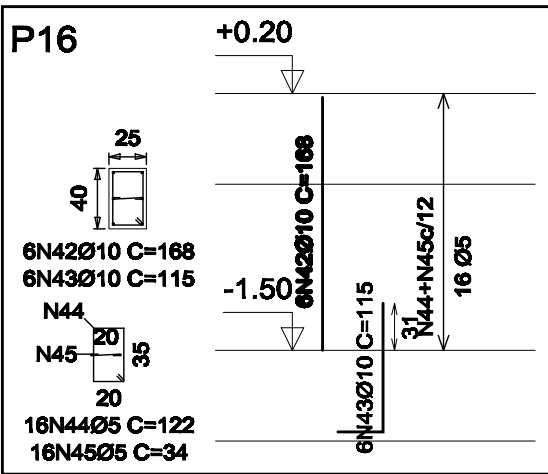


Pilares que terminam em 1 Pavto Concreto: C30, usina.rigor Aço: CA-50-A e CA-60-B Escala: 1:50			
Resumo Aço 1 Pavto Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A Ø6.3	91.5	25	386
Ø10	206.4	143	
Ø12.5	105.9	114	
Ø16	60.4	104	
CA-60-B Ø5	340.4	59	
Total			445



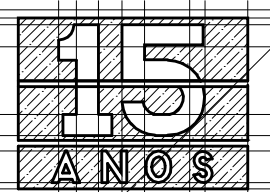
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
P8	13	Ø10	6		205		205	1230	7.7	
	2	Ø12.5	4	30	70		100	600	3.8	
	3	Ø16	6	30	104		134	804		2.8
	4	Ø12.5	4	30	93		123	492		0.9
	5	Ø6.3	26		111		111	2886		
	6	Ø6.3	13		51		51	663		
Total+10%:									12.7	4.1
P9	17	Ø12.5	8		210		210	1680	16.5	
	18	Ø12.5	8	30	98		128	1024	10.0	
	19	Ø5	26		94		94	2444		3.8
	Total+10%:								29.2	4.2
P11	20	Ø10	6		205		205	1230	7.7	
	21	Ø10	6	30	75		105	630	4.0	
	22	Ø5	16		122		122	1952		3.1
	23	Ø5	16		39		39	624		1.0
Total+10%:									12.9	4.5
P12	24	Ø10	8		205		205	1640	10.3	
	25	Ø10	8	30	75		105	840	5.3	
	26	Ø5	16		112		112	1792		2.8
	27	Ø5	16		34		34	544		0.9
Total+10%:									17.2	4.1
P13	28	Ø10	6		205		205	1230	7.7	
	29	Ø10	6	30	65		95	570	3.6	
	30	Ø5	16		112		112	1792		2.8
	31	Ø5	16		34		34	544		0.9
Total+10%:									12.4	4.1
P14	32	Ø10	6		205		205	1230	7.7	
	33	Ø10	6	30	65		95	570	3.6	
	34	Ø5	16		112		112	1792		2.8
	35	Ø5	16		34		34	544		0.9
Total+10%:									12.4	4.1
P15	36	Ø12.5	4		210		210	840	8.2	
	37	Ø10	2		205		205	410	2.6	
	38	Ø12.5	4	30	83		113	452	4.4	
	39	Ø10	2	30	75		105	210	1.3	
P16	40	Ø5	16		113		113	1808		2.8
	41	Ø5	16		34		34	544		0.9
	Total+10%:								18.2	4.1
	42	Ø10	6		168		168	1008	6.3	
P16	43	Ø10	6	30	85		115	690	4.3	
	44	Ø5	16		122		122	1952		3.1
	45	Ø5	16		34		34	544		0.9
Total+10%:									11.7	4.4



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
P1	46	Ø16	4		168		168	672	10.6	
	47	Ø16	4	30	104		134	536	8.4	
	48	Ø6.3	10		123		123	1230	3.0	
	Total+10%:								24.2	
P2	49	Ø16	4		168		168	672	10.6	
	50	Ø16	4	30	104		134	536	8.4	
	51	Ø6.3	10		133		133	1330	3.3	
	Total+10%:								24.5	
P3	52	Ø12.5	10		168		168	1680	16.5	
	53	Ø12.5	10	30	93		123	1230	12.1	
	54	Ø5	26		117		117	3042		4.8
	55	Ø5	13		40		40	520		0.8
Total+10%:									31.5	6.2
P4	56	Ø10	6		205		205	1230	7.7	
	57	Ø10	6	30	65		95	570	3.6	
	58	Ø5	16		112		112	1792		2.8
	59	Ø5	16		34		34	544		0.9
Total+10%:									12.4	4.1
P5=P10	60	Ø10	8		205		205	1640	10.3	
	61	Ø10	8	30	65		95	760	4.8	
	62	Ø5	16		112		112	1792		2.8
	63	Ø5	16		34		34	544		0.9
Total+10%:									16.6	4.1
(x2):									33.2	8.2
P6	64	Ø10	6		205		205	1230	7.7	
	65	Ø10	6	30	91		121	726	4.6	
	66	Ø5	16		112		112	1792		2.8
	67	Ø5	16		34		34	544		0.9
Total+10%:									13.5	4.1
P7	68	Ø12.5	6		210		210	1260	12.4	
	69	Ø12.5	6	30	83		113	678	6.7	
	70	Ø5	13		113		113	1469		2.3
	71	Ø5	13		35		35	455		0.7
Total+10%:									21.0	3.3
Ø5:									0.0	59.5
Ø6.3:									24.8	0.0
Ø10:									142.7	0.0
Ø12.5:									114.5	0.0
Ø16:									104.2	0.0
Total:									386.2	59.5

Meta

ENGENHARIA E PLANEJAMENTO



PROJETO ESTRUTURAL

OBRA 8º BATALHÃO DE BOMBEIROS MILITAR - CONV. PMT
AV. PATRÍCIO LIMA, 804 - HUMAITÁ - TUBARÃO - S.C.

ASSUNTO
PILARES I PAVIMENTO

ÁREA: 610,43 M²
ESC.: INDICADA
DATA : MARÇO / 2018
PROJ.: I8-003

PRANCHA
C5
24

EQUIPE TÉCNICA

CHARLES MENDES DE SOUZA

CREA/SC 41.411-4

REVISÃO Nº

DATA

COMENTÁRIO

COLABORADOR

00

19/02/2018

EMISSION PARCIAL

ENG. CHARLES

01

19/03/2018

EMISSION FINAL

ENG. CHARLES

CHARLES MENDES DE SOUZA

PROPRIETÁRIO

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