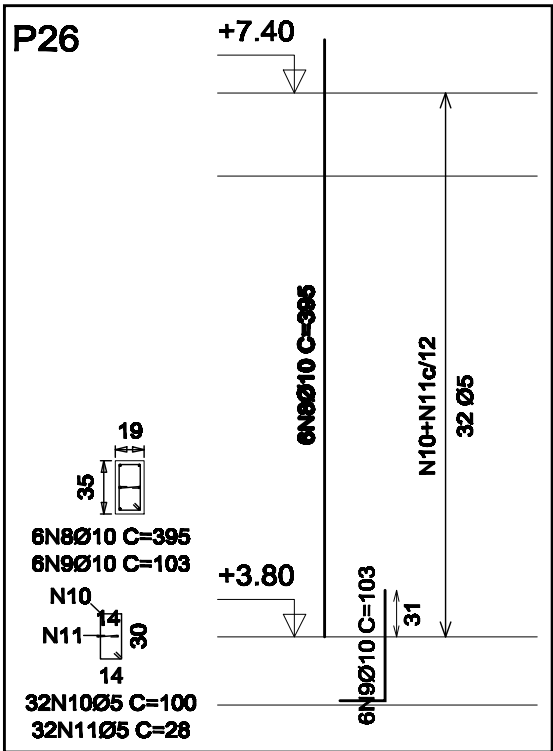
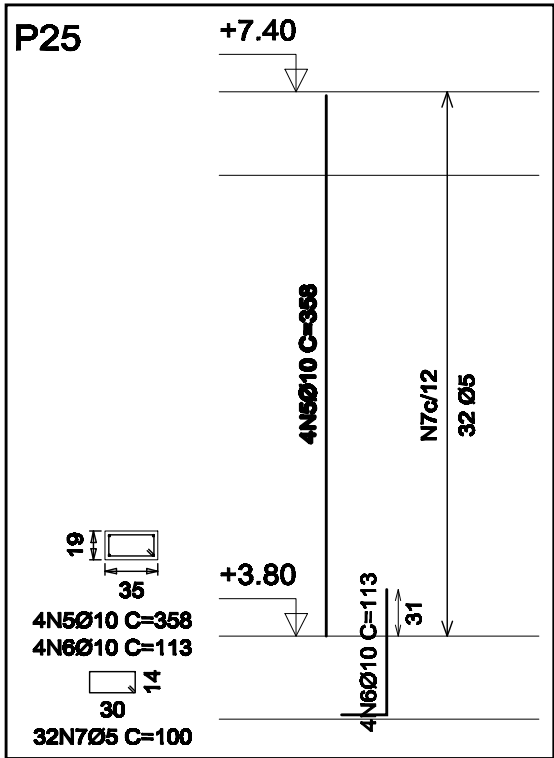
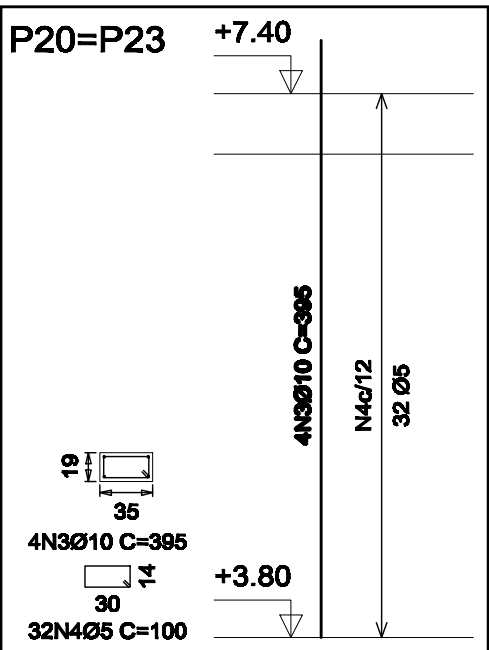
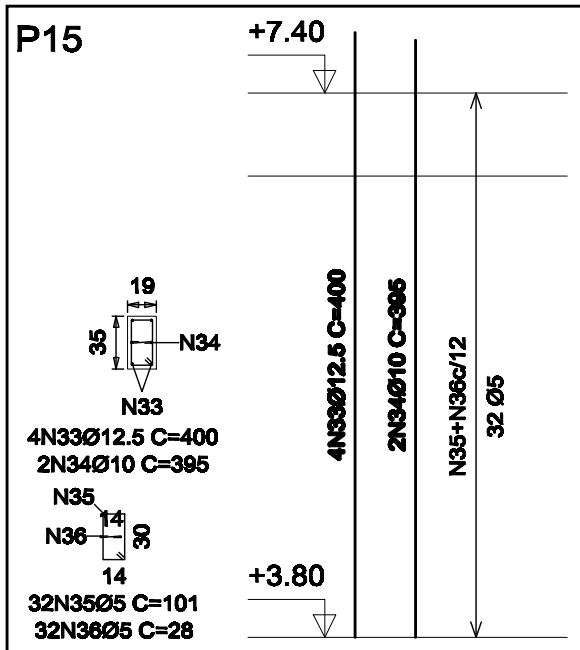
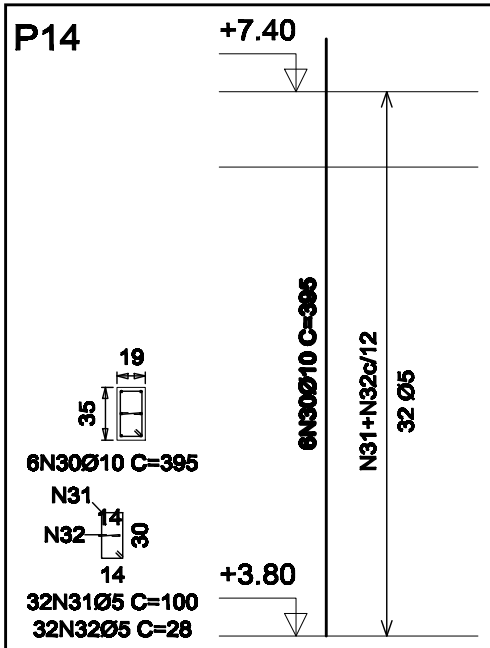
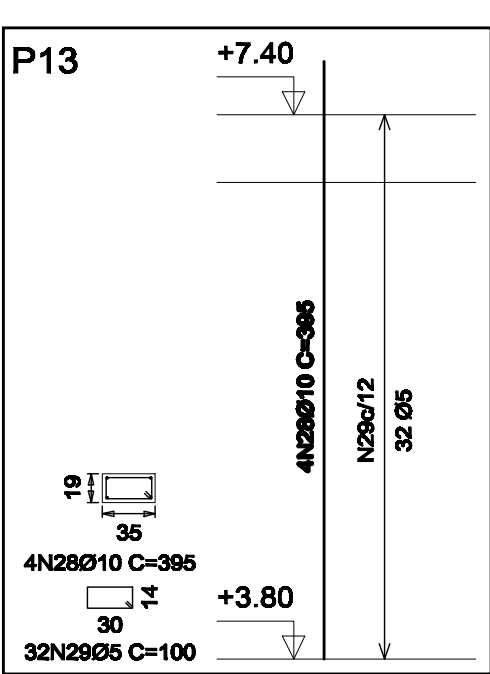
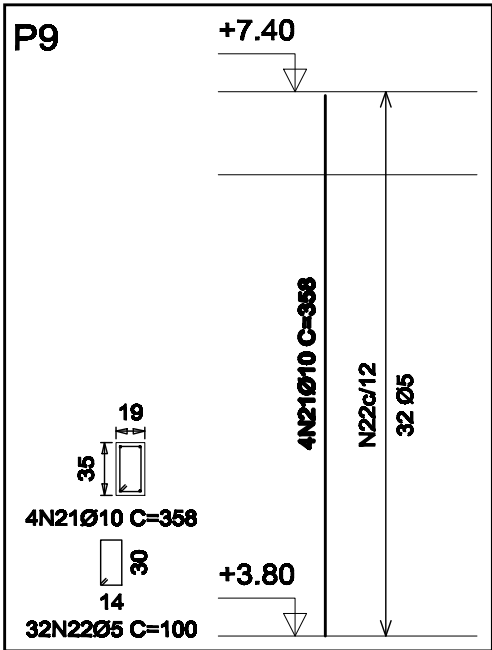
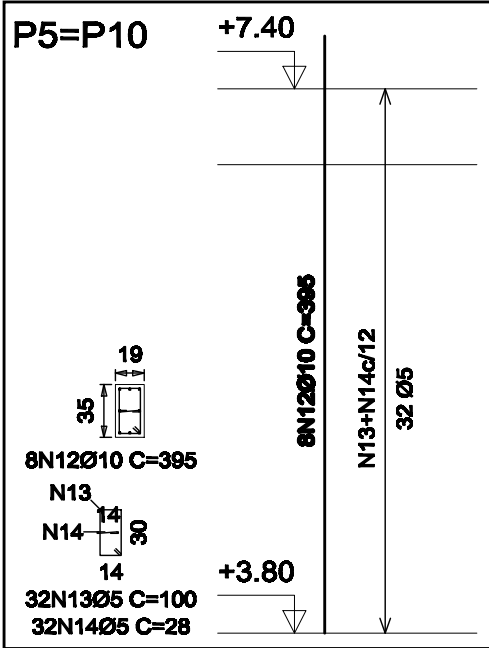
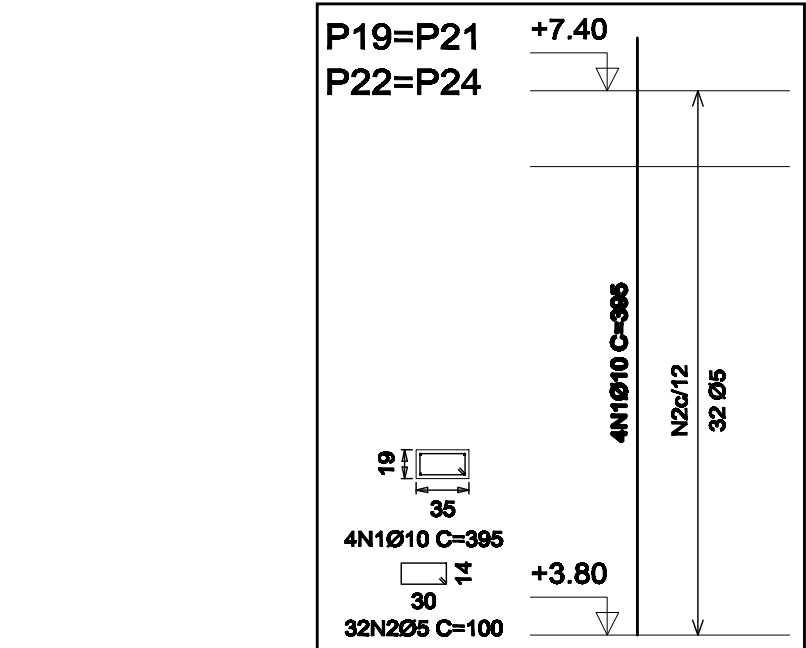
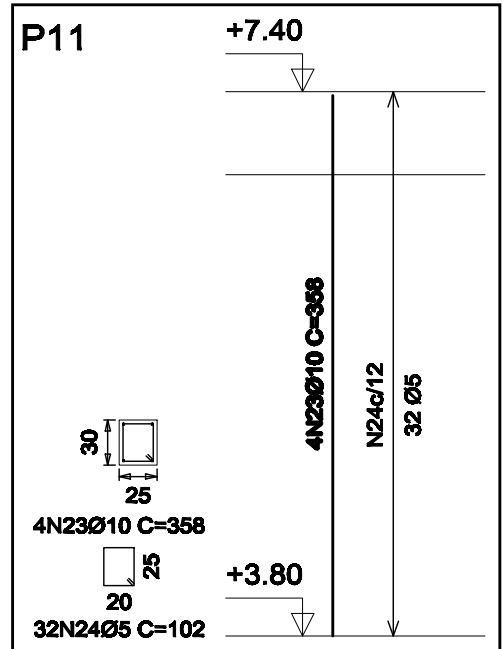
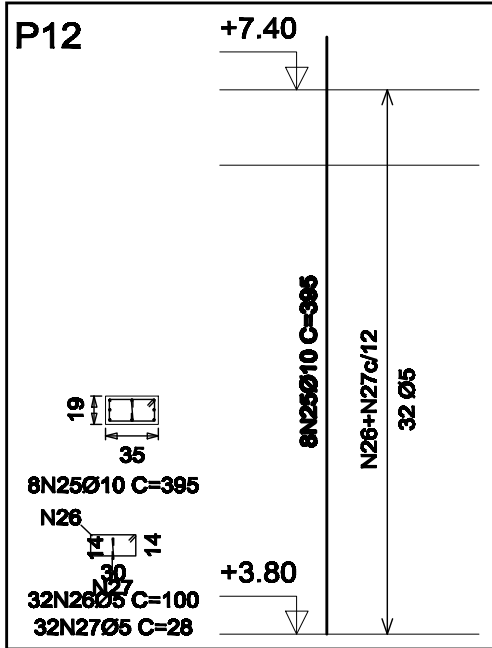
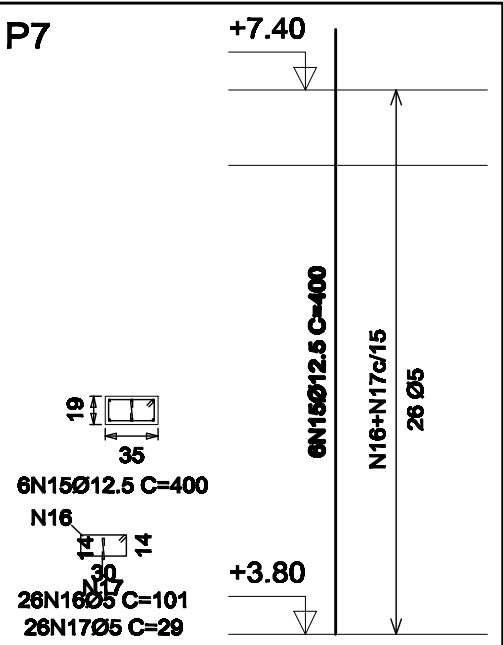
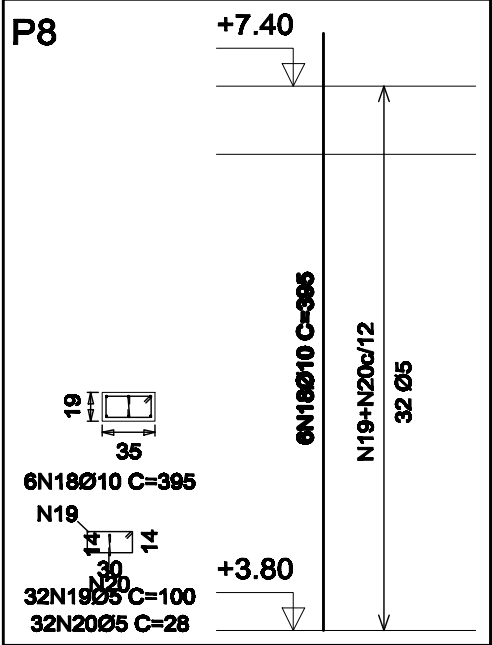


Resumo Aço 3 Pavto Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A Ø10	338.1	234	277
Ø12.5	40.0	43	
CA-60-B Ø5	640.9	111	111
Total			388

Pilares que terminam em
3 Pavto
Concreto: C30, usina.rigor
Aço: CA-50-A e CA-60-B
Escala: 1:50



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
P19=P21=P22=P24	1	Ø10	4		395		395	1580	9.9	
	2	Ø5	32		100		100	3200		5.0
Total+10%: (x4):									10.9	5.5
									43.6	22.0
P20=P23	3	Ø10	4		395		395	1580	9.9	
	4	Ø5	32		100		100	3200		5.0
Total+10%: (x2):									10.9	5.5
									21.8	11.0
P25	5	Ø10	4	30	358		358	1432	9.0	
	6	Ø10	4		83		113	452	2.8	
	7	Ø5	32		100		100	3200		5.0
Total+10%:									13.0	5.5
P26	8	Ø10	6	30	395		395	2370	14.9	
	9	Ø10	6		73		103	618	3.9	
	10	Ø5	32		100		100	3200		5.0
	11	Ø5	32		28		28	896		1.4
Total+10%:									20.7	7.0

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
P5=P10	12	Ø10	8		395		395	3160	19.8	
	13	Ø5	32		100		100	3200		5.0
	14	Ø5	32		28		28	896		1.4
Total+10%: (x2):									21.8	7.0
									43.6	14.0
P7	15	Ø12.5	6		400		400	2400	23.6	
	16	Ø5	26		100		100	2600		4.1
	17	Ø5	26		29		29	754		1.2
Total+10%:									26.0	5.8
P8	18	Ø10	6		395		395	2370	14.9	
	19	Ø5	32		100		100	3200		5.0
	20	Ø5	32		28		28	896		1.4
Total+10%:									16.4	7.0
P9	21	Ø10	4		358		358	1432	9.0	
	22	Ø5	32		100		100	3200		5.0
Total+10%:									9.9	5.5
P11	23	Ø10	4		358		358	1432	9.0	
	24	Ø5	32		102		102	3264		5.1
Total+10%:									9.9	5.6
P12	25	Ø10	8		395		395	3160	19.8	
	26	Ø5	32		100		100	3200		5.0
	27	Ø5	32		28		28	896		1.4
Total+10%:									21.8	7.0
P13	28	Ø10	4		395		395	1580	9.9	
	29	Ø5	32		100		100	3200		5.0
Total+10%:									10.9	5.5
P14	30	Ø10	6		395		395	2370	14.9	
	31	Ø5	32		100		100	3200		5.0
	32	Ø5	32		28		28	896		1.4
Total+10%:									16.4	7.0
P15	33	Ø12.5	4		400		400	1600	15.7	
	34	Ø10	2		395		395	790	5.0	
	35	Ø5	32		100		100	3200		5.0
	36	Ø5	32		28		28	896		1.4
Total+10%:									22.8	7.0
									Ø5:	0.0
									Ø10:	233.5
									Ø12.5:	43.3
									Total:	276.8
										109.9

Meta

ENGENHARIA E PLANEJAMENTO

15

ANOS

PROJETO	ESTRUTURAL		
OBRA	8º BATALHÃO DE BOMBEIROS MILITAR - CONV. PMT AV. PATRÍCIO LIMA, 804 - HUMAITÁ - TUBARÃO - S.C.		
ASSUNTO PILARES 3 PAVIMENTO	ÁREA: 610,43 M² ESC.: INDICADA DATA : MARÇO / 2018 PROJ.: I8-003	PRANCHA C15 24	

EQUIPE TÉCNICA	CHARLES MENDES DE SOUZA	CREA/SC 41.411-4
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REVISÃO Nº	DATA	COMENTÁRIO	COLABORADOR
00	19/02/2018	EMIÇÃO PARCIAL	ENG. CHARLES
01	19/03/2018	EMIÇÃO FINAL	ENG. CHARLES

CHARLES MENDES DE SOUZA	PROPRIETÁRIO
R. Cel. José Martins Cabral, 42 - Sl 1 - Centro - Tubarão - S.C. (48) 3622-2534 - projetos@metaengenharia.eng.br	