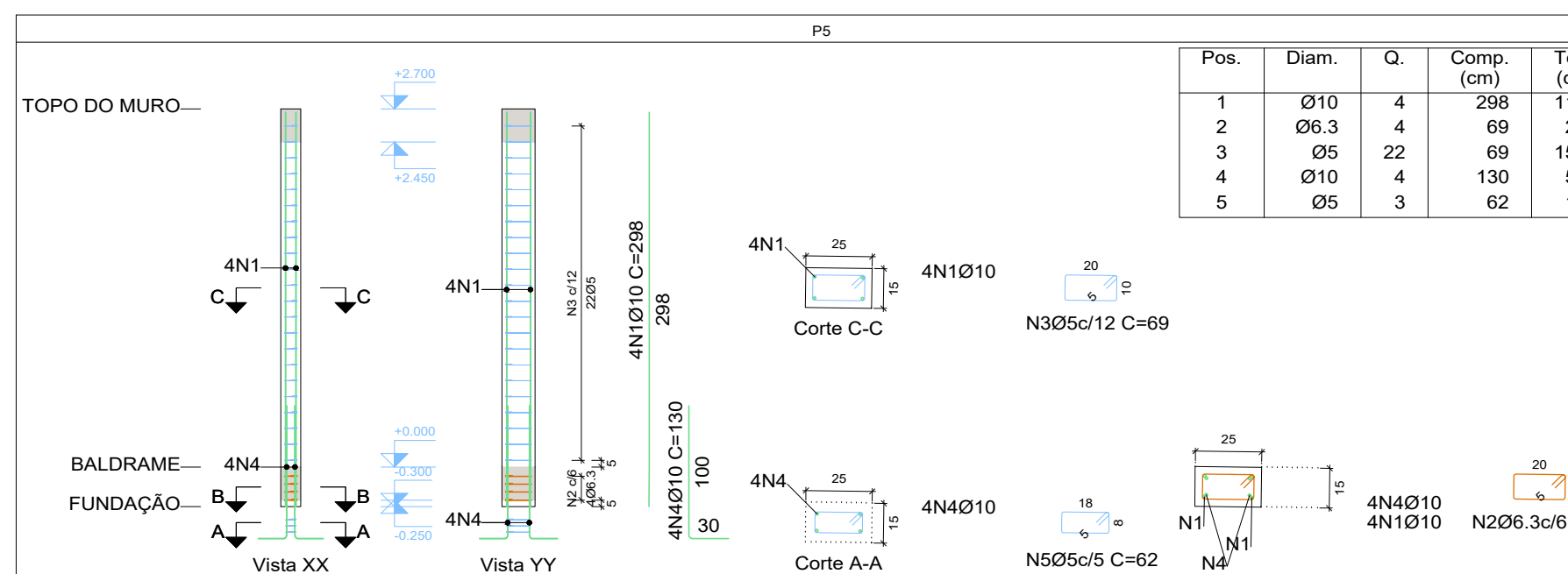
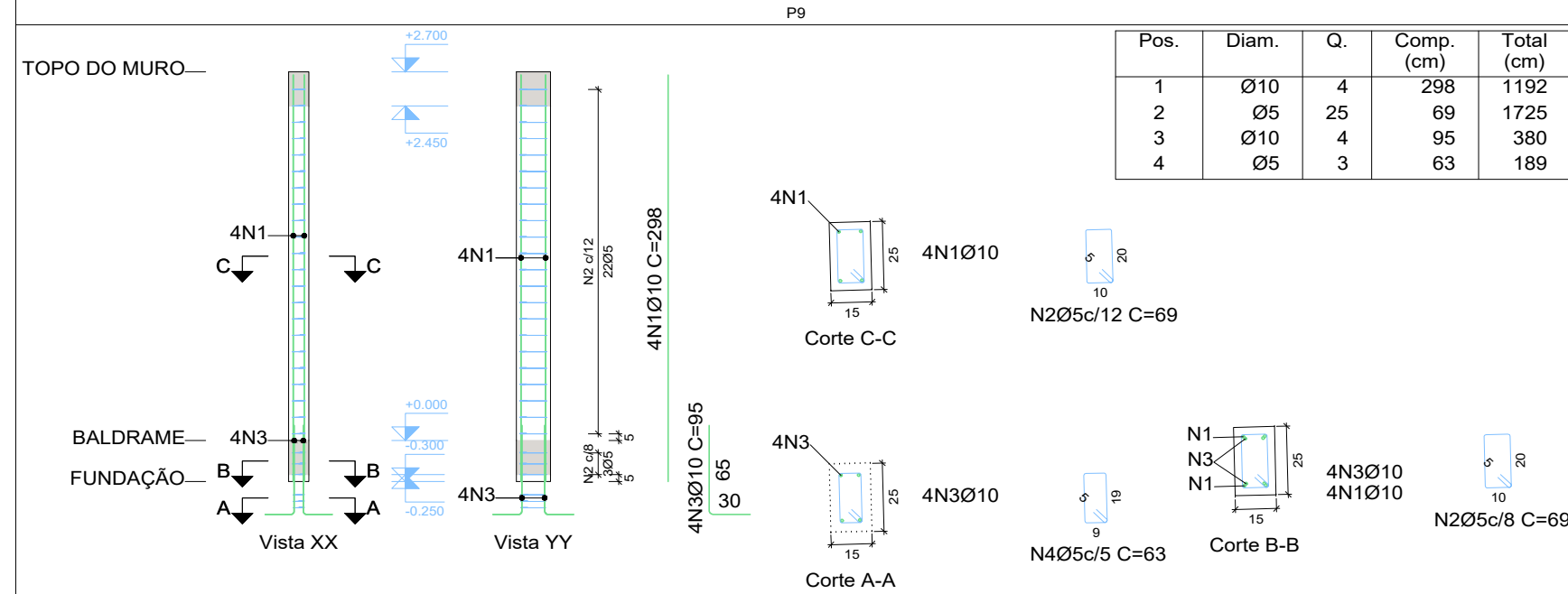
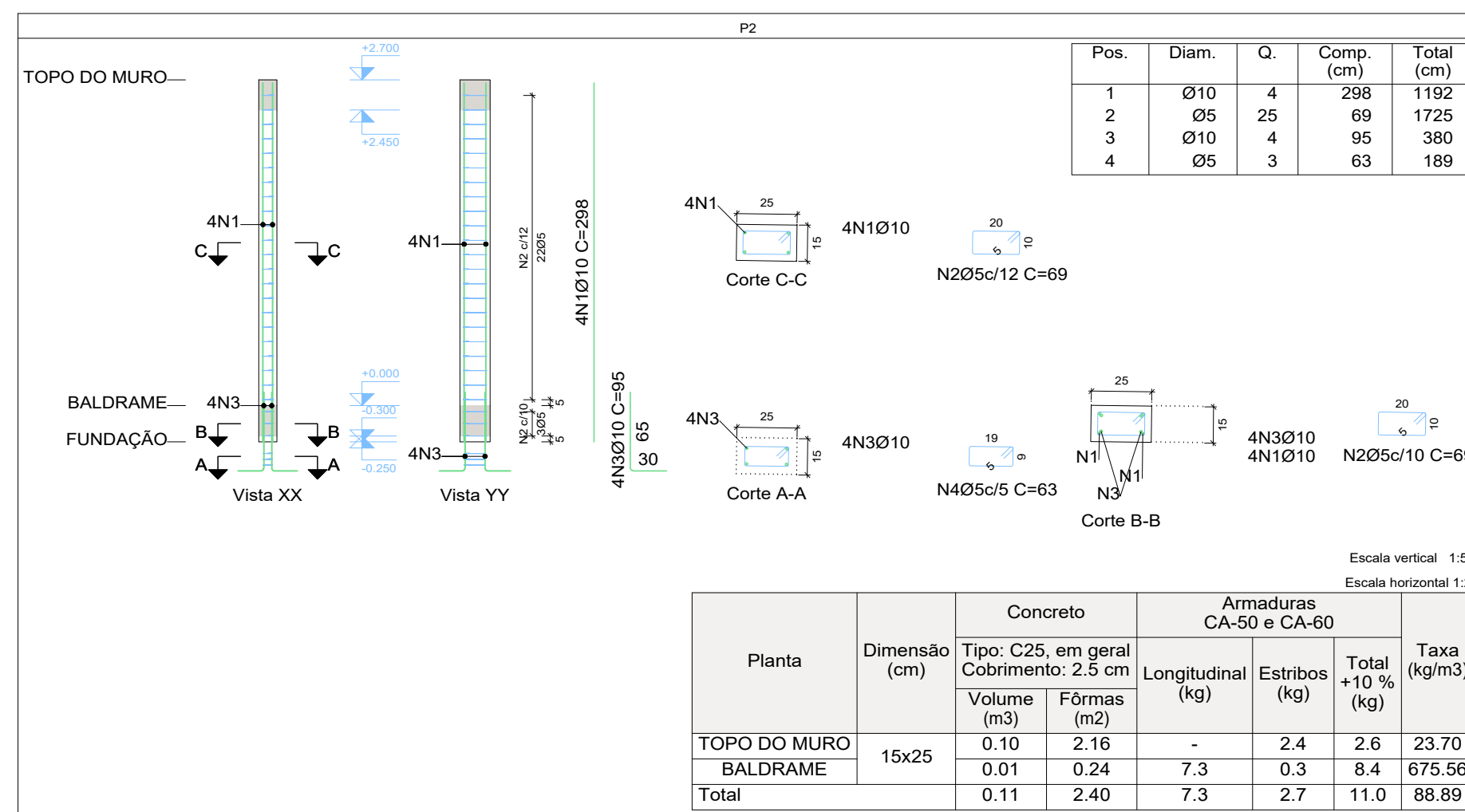
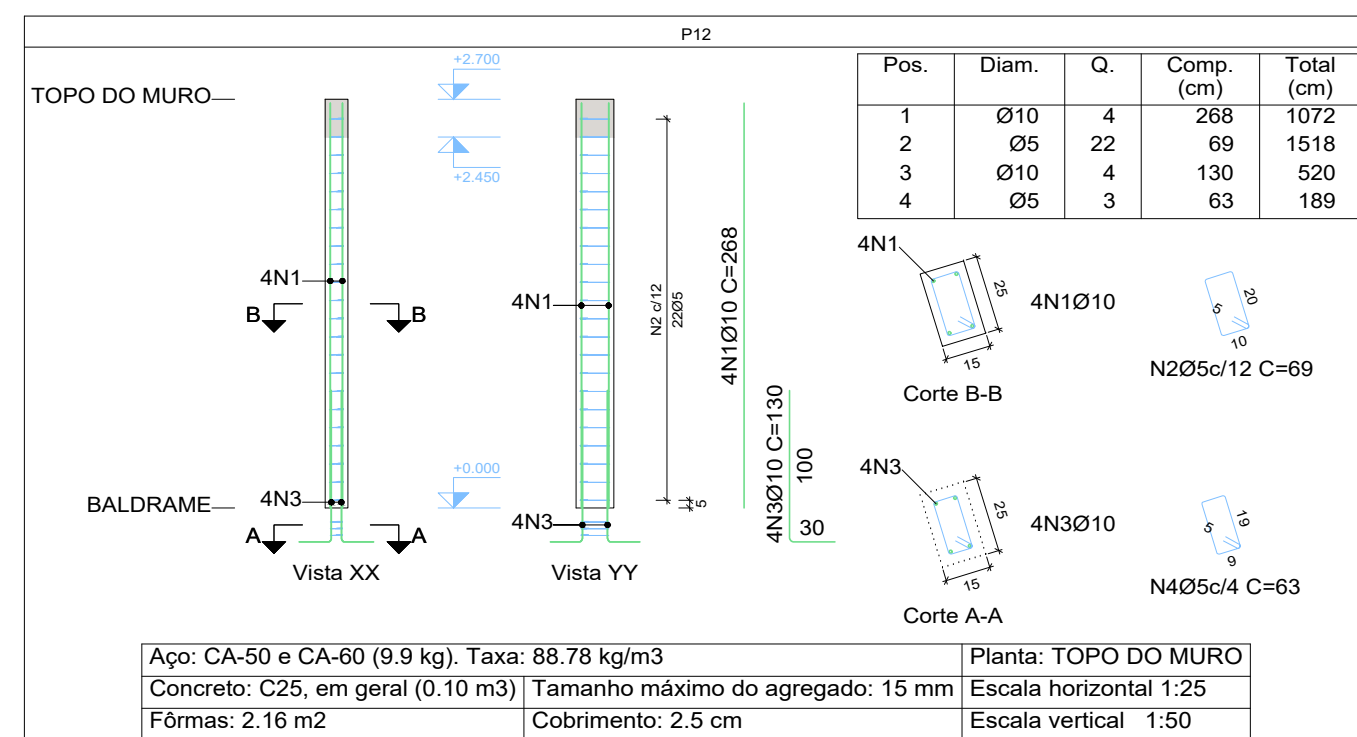
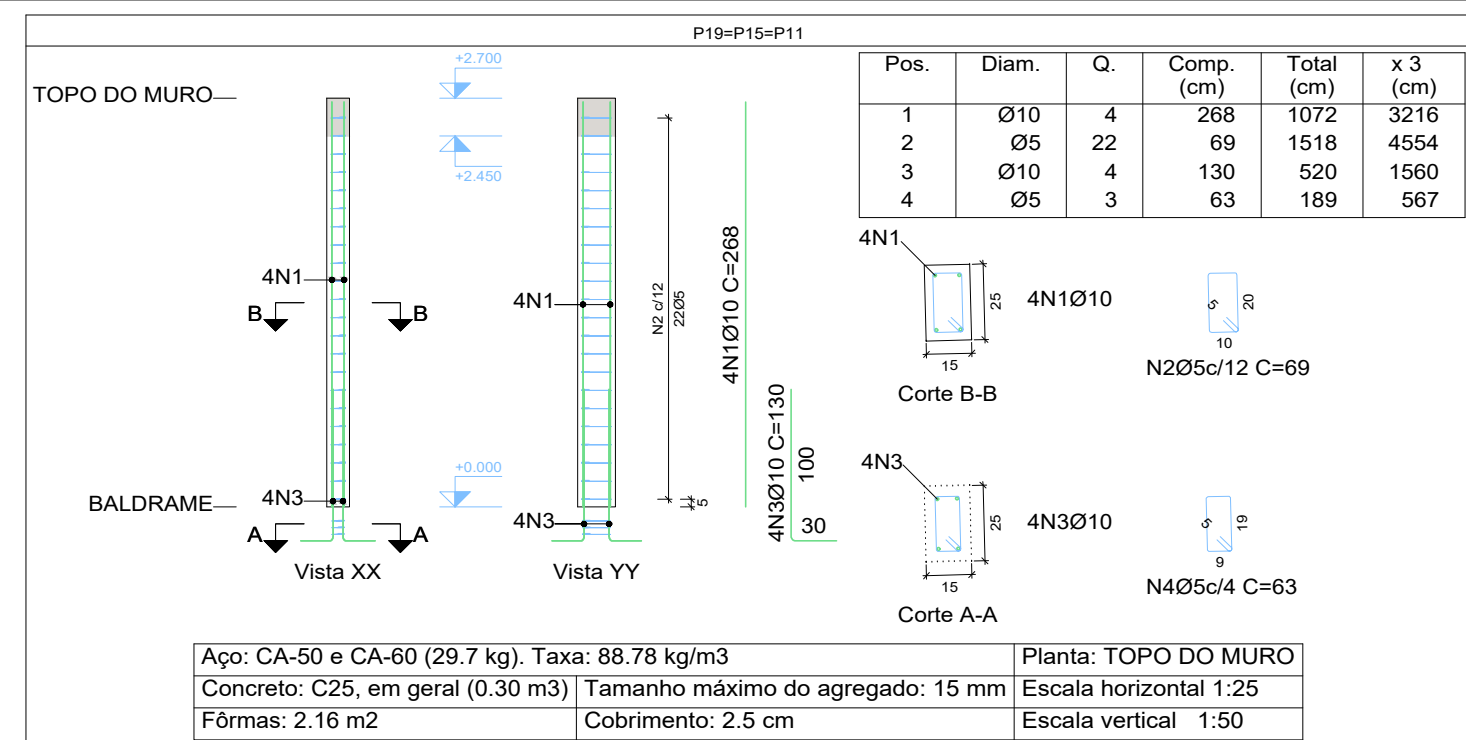


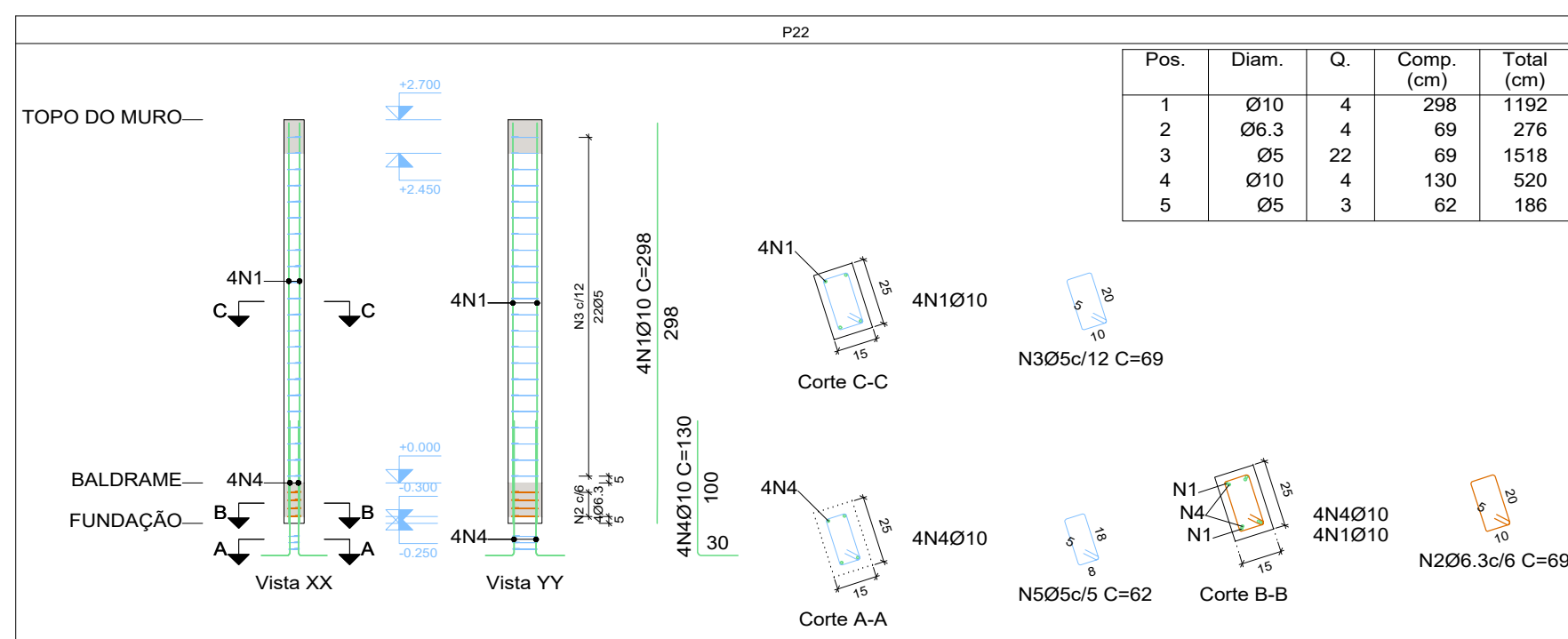
		Concreto		Armaduras CA-50 e CA-60			
Planta	Dimensão (cm)	Tipo: C25, em geral Cobrimento: 2.5 cm			Longitudinal (kg)	Estribos (kg)	Taxa (kg/m3)
			Volume (m3)	Fôrmas (m2)			
TOPO DO MURO	15x25	0.10	2.16	-	2.4	2.6	23.70
BALDRAME		0.01	0.24	7.3	0.7	8.8	711.11
Total		0.11	2.40	7.3	3.1	11.4	92.44



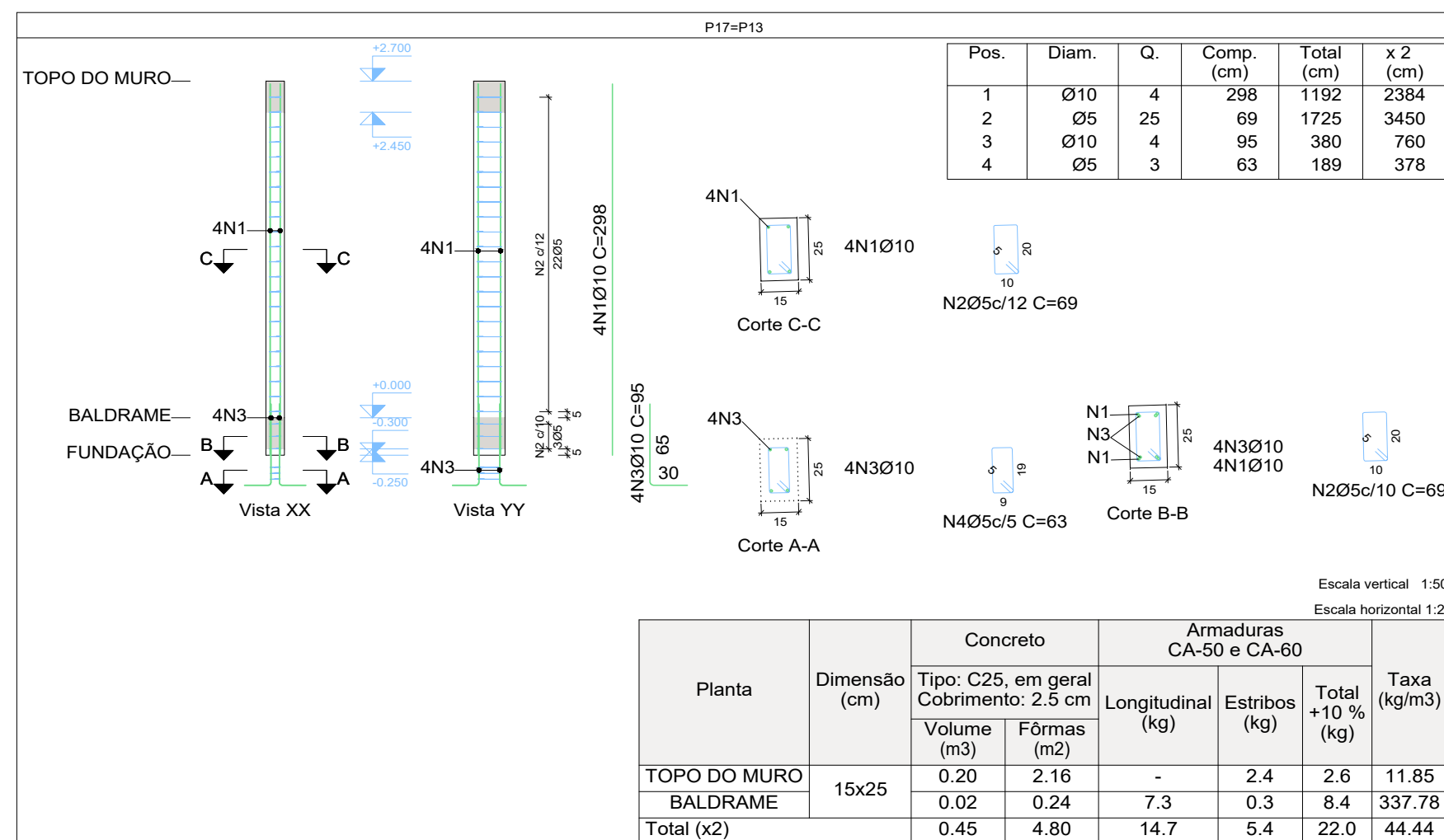
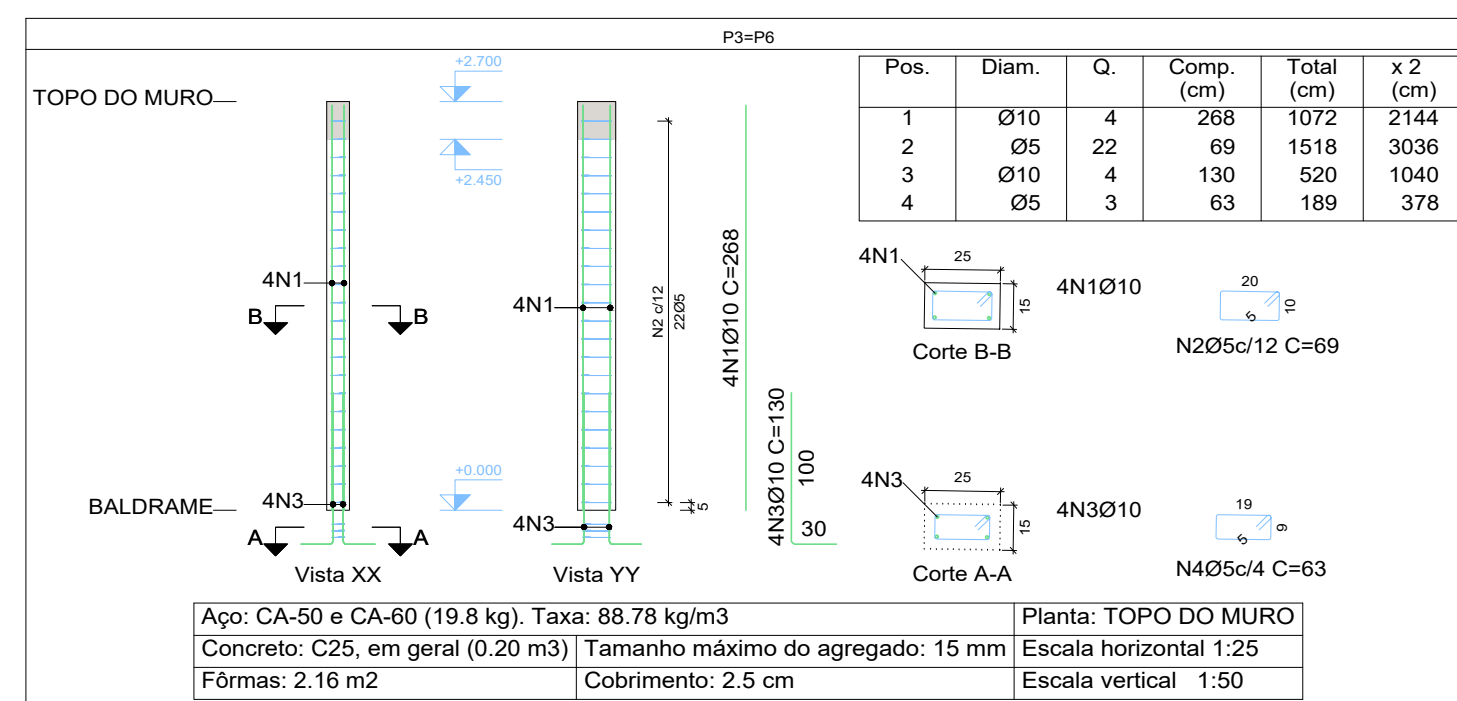
Planta	Dimensão (cm)	Concreto		Escalão horizontal		
		Armaduras CA-50 e CA-60		Longitudinal (kg)	Estribos (kg)	Total +10 % (kg)
		Tipo: C25, em geral Cobrimento: 2,5 cm				
		VOLUME (m3)	FORMAS (m2)			
TOPO DO MURO	15x25	0.10	2.16	-	2.4	2.6
BALDRAME		0.01	0.24	7.3	0.7	8.8
Total		0.11	2.40	7.3	3.1	11.4



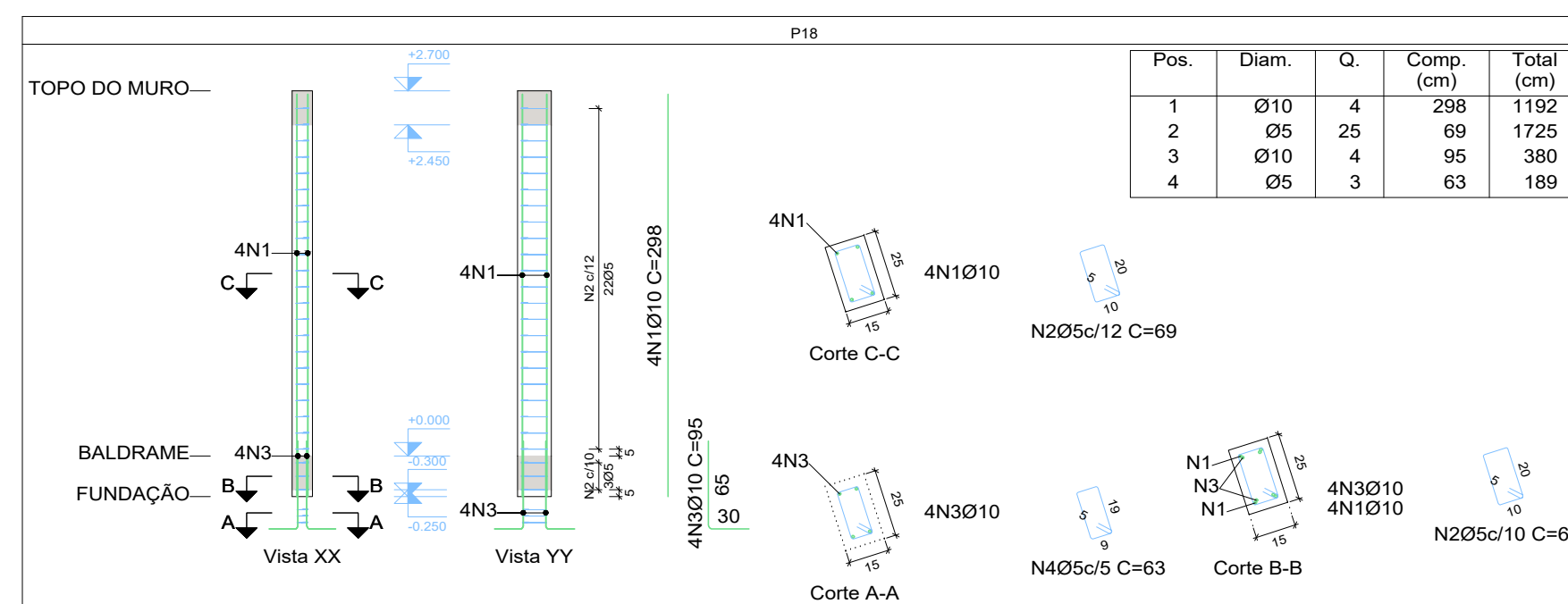
Planta	Dimensão (cm)	Concreto		Armaduras CA-50 e CA-60			Taxa (kg/m³)
		Tipo: C25, em geral Cobrimento: 2,5 cm		Longitudinal (kg)	Estribos (kg)	Total +10 % (kg)	
		Volume (m³)	Fôrmas (m²)				
TOPO DO MURO	15x25	0.10	2.16	-	2.4	2.6	23.70
BALDRAME		0.01	0.24	7.3	0.3	8.4	675.56
Total		0.11	2.40	7.3	2.7	11.0	88.89



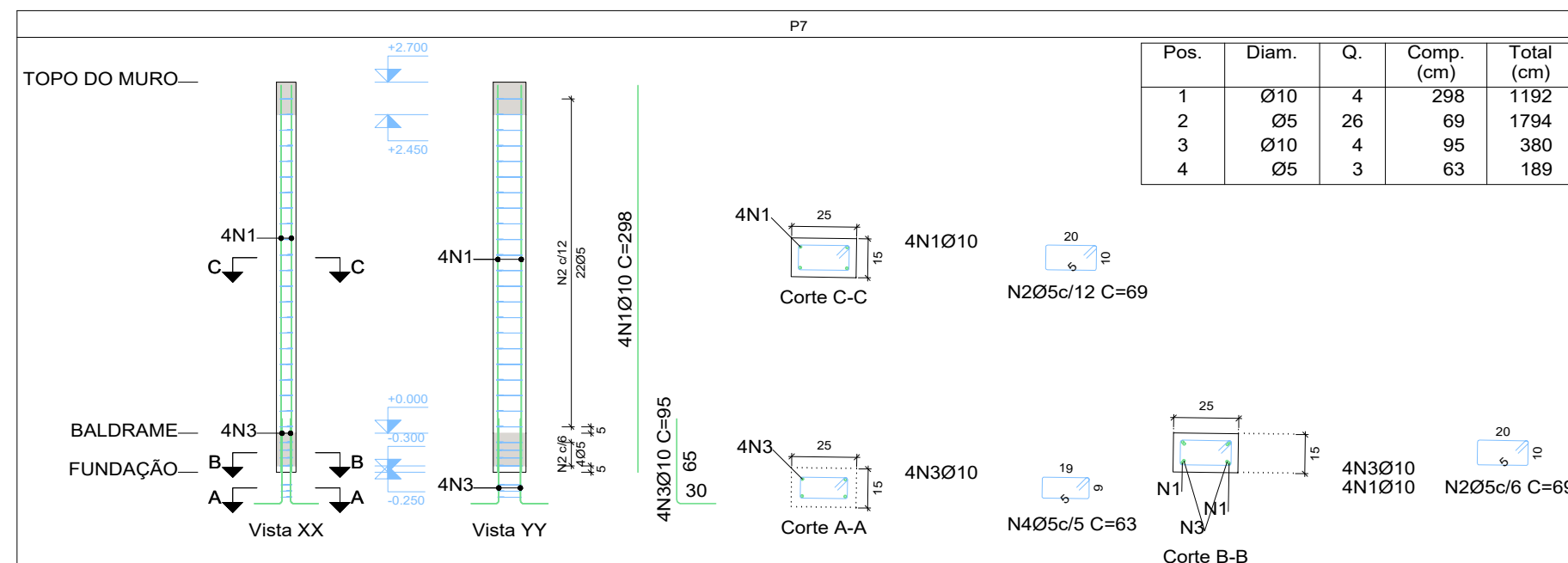
Planta	Dimensão (cm)	Concreto		Armaduras CA-50 e CA-60			Taxa (kg/m³)
		Tipo: C25, em geral Cobrimento: 2,5 cm		Longitudinal (kg)	Estribos (kg)	Total +10 % (kg)	
		Volume (m³)	Fôrmas (m²)				
TOPO DO MURO	15x25	0.10	2.16	-	2.4	2.6	23.70
BALDRAME		0.01	0.24	7.3	0.7	8.8	711.11
Total		0.11	2.40	7.3	3.1	11.4	92.44



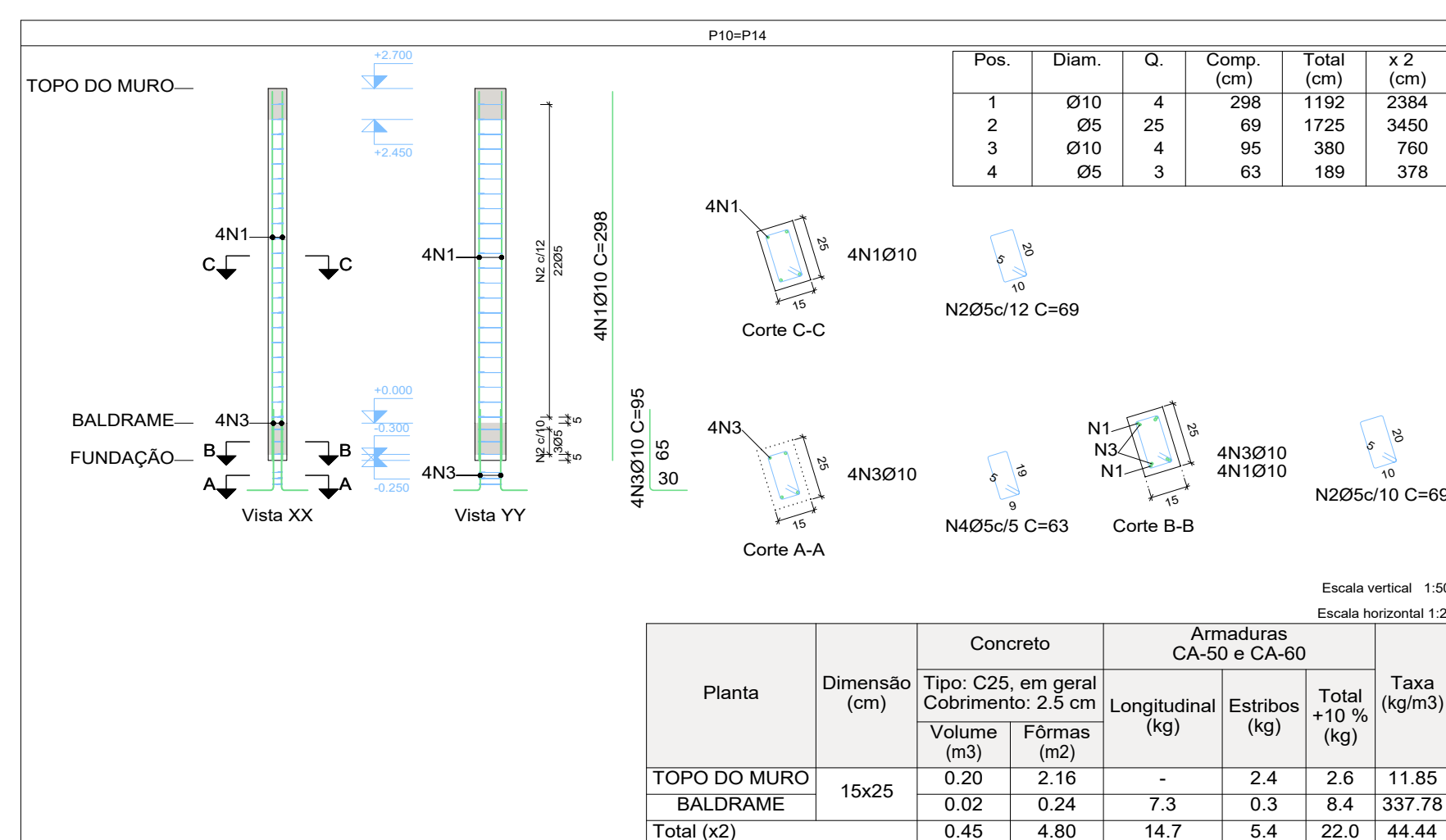
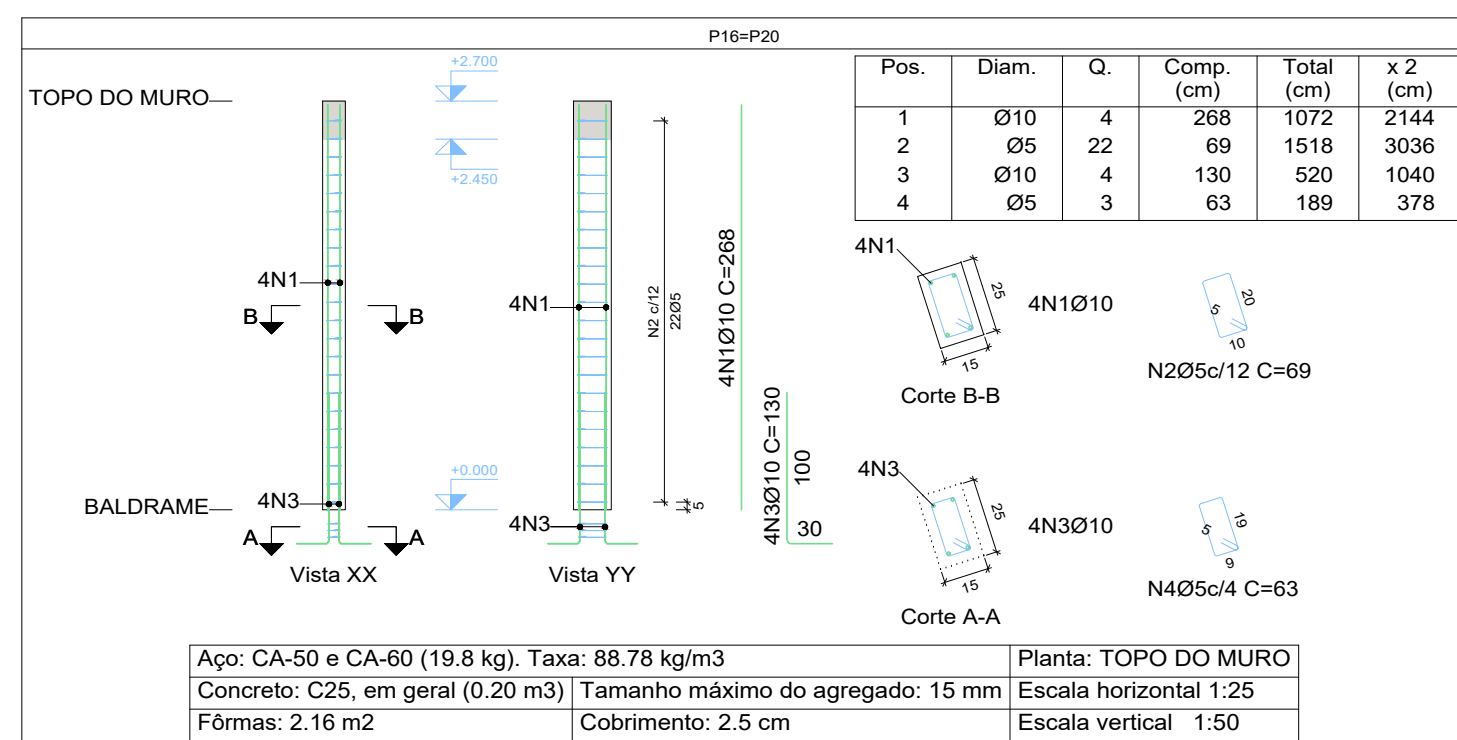
Escala horizontal 1:2							
Planta	Dimensão (cm)	Concreto		Armaduras CA-50 e CA-60			
		Tipo: C25, em geral Cobrimento: 2,5 cm		Longitudinal (kg)	Estribos (kg)	Total +10 (%)	Taxa (kg/m3)
		VOLUME (m3)	Formas (m2)				
TOPO DO MURO	15x25	0.20	2.16	-	2.4	2.6	11.85
BALDRAME		0.02	2.44	7.3	0.3	8.7	33.78
Total (x2)		0.45	4.80	14.7	5.4	22.0	44.44



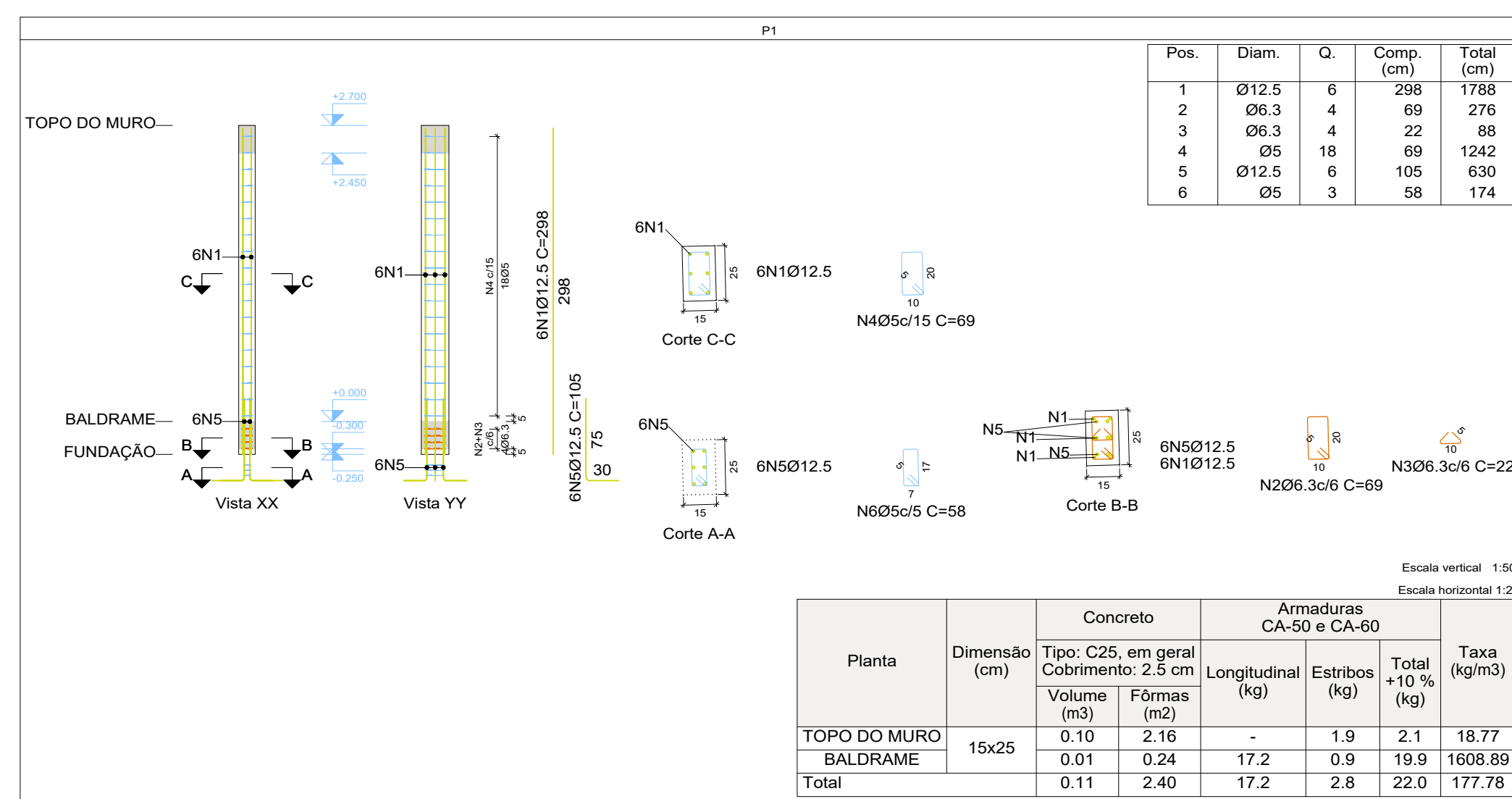
Planta	Dimensão (cm)	Concreto		Armaduras CA-50 e CA-60			Taxa (kg/m³)
		Tipo: C25, em geral Cobrimento: 2,5 cm		Longitudinal (kg)	Estribos (kg)	Total +10% (kg)	
		VOLUME (m³)	Fórmãs (m²)				
TOPO DO MURO	15x25	0.10	2.16	-	2.4	2.6	23.70
BALDRAME		0.01	0.24	7.3	0.3	8.4	675.56
Total		0.11	2.40	7.3	2.7	11.0	88.89



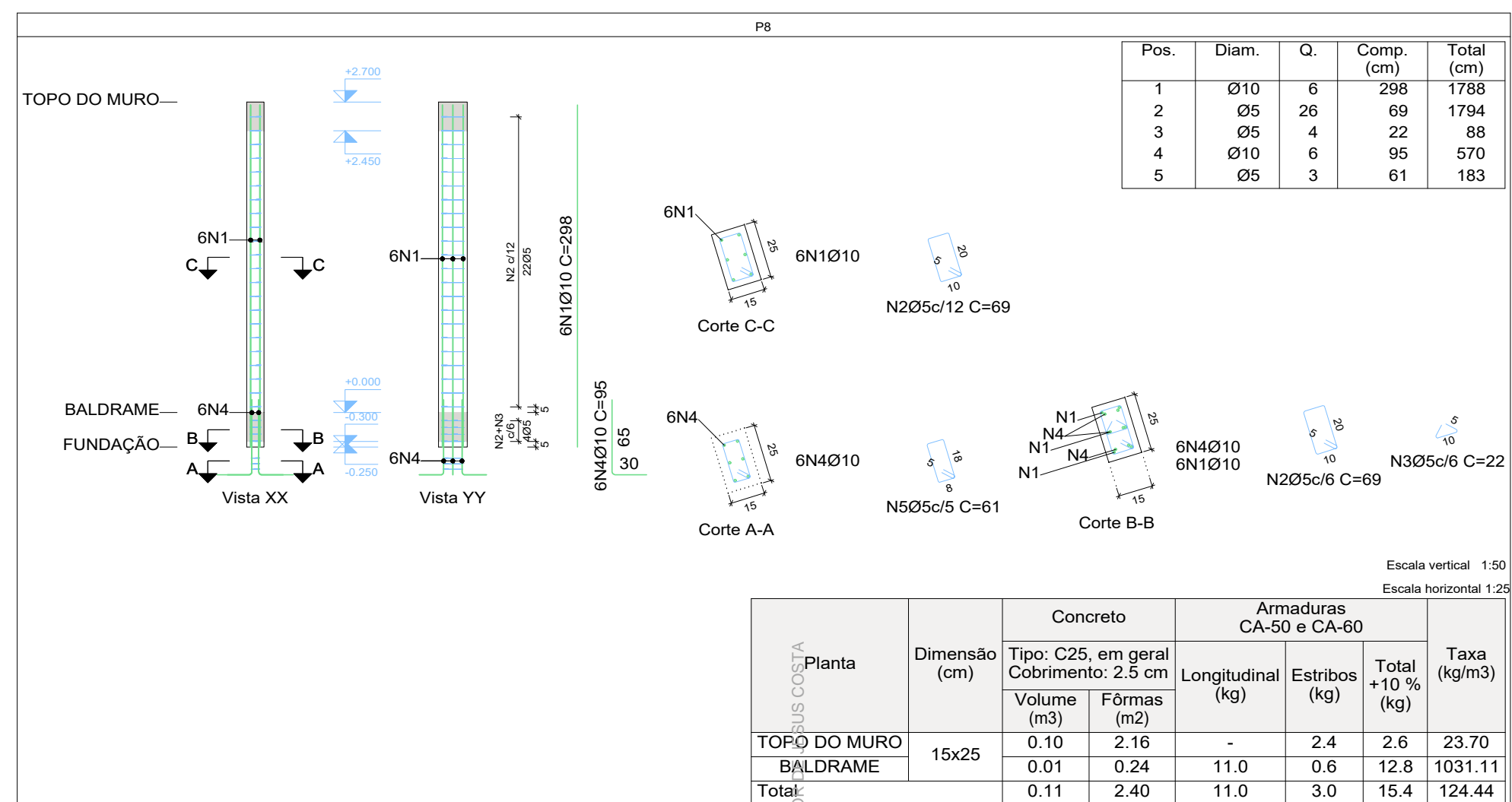
Escala horizontal 1:2						
Planta	Dimensão (cm)	Concreto	Armaduras CA-50 e CA-60			Taxa (kg/m³)
		Tipo: C25, em geral Cobrimento: 2,5 cm	Longitudinal (kg)	Estritos (kg)	Total +10 (%)	
TOPO DO MURO	15x25	VOLUME (m³)	FórmAs (m2)			
BALDRAME		0.10	2.16	-	2.4	23.70
		0.01	0.24	7.3	0.4	8.5
Total		0.11	2.40	7.3	2.8	11.1
						89.78



		Concreto		Armaduras CA-50 e CA-60			Taxa (kg/m3)	
Planta	Dimensão (cm)	Tipo: C25, em geral Cobrimento: 2,5 cm			Longitudinal (kg)	Estribos (kg)	Total +10 (%)	Taxa (kg/m3)
			VOLUME (m3)	FÓRMAS (m2)				
YOPO DO MURO	15x25	0.20	2.16	-	2.4	2.6	11.85	
BALDRAME		0.02	0.24	7.3	0.3	8.3	337.78	
Total (x2)		0.45	4.80	14.7	5.4	22.0	44.44	



Planta	Dimensão (cm)	Concreto		Armaduras CA-50 e CA-60			Taxa (kg/m³)
		Tipo: C25, em geral Cobrimento: 2,5 cm		Longitudinal (kg)	Estribos (kg)	Total +10 % (kg)	
		Volum (m³)	Fôrmas (m²)				
TOPO DO MURO	15x25	0.10	2.16	-	1.9	2.1	18.77
BALDRAME		0.01	0.24	17.2	0.9	19.9	1608.89
Total		0.11	2.40	17.2	2.8	22.0	177.78









































































		Escala horizontal 1:25					
Planta	Dimensão (cm)	Concreto		Armaduras CA-50 e CA-60		Taxa (kg/m³)	
		Tipo: C25, em geral Cobrimento: 2.5 cm	Longitudinal (kg)	Estribos (kg)	Total +10 (%) (kg)		
TOPO DO MURO	15x25	Volume (m³)	Fôrmas (m²)				
0.10		2.16	-	2.4	2.6	23.70	
BALDRAME		0.01	0.24	11.0	0.6	12.8	1031.11
Total:		0.11	2.40	11.0	3.0	15.4	124.44

Pilares que nascem em BALDRAME e chegam em TOPO DO MURTO

Resumo Aço Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50 Ø6.3	11.9	3	
Ø10	345.2	234	
Ø12.5	24.2	26	263
CA-60 Ø5	396.8	69	69
Total			332

Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
1	Ø10	4	298	1192
2	Ø5	27	69	1863
3	Ø10	4	130	520
4	Ø5	3	83	189

Planta	Dimensão (cm)	Concreto		Armaduras CA-50 e CA-60			Taxa (kg/m3)
		Tipo: C25, em geral Cobrimento: 2,5 cm		Longitudinal (kg)	Estribos (kg)	Total +10 % (kg)	
		Volume (m3)	Fôrmas (m2)				
TOPO DO MURO	15x25	0.10	2.16	-	2.4	2.6	23.70
BALDRAME		0.01	0.24	7.3	0.5	8.6	693.33
Total		0.11	2.40	7.3	2.9	11.2	90.67

Elemento	Pos.	Diam. (cm)	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (Kg)	CA-60 (kg)
P21	1	Ø10	4 	288	1192	7.3	
	2	Ø6.3	4 	69	276	0.7	
	3	Ø5	22 	69	1518		2.4
	4	Ø10	4 	130	520	3.2	
	5	Ø5	3 	62	186		0.3
Total+10%:						12.3	3.0
P5	1	Ø10	4 	288	1192	7.3	
	2	Ø6.3	4 	69	276	0.7	
	3	Ø5	22 	69	1518		2.4
	4	Ø10	4 	130	520	3.2	
	5	Ø5	3 	62	186		0.3
Total+10%:						12.3	3.0
P22	1	Ø10	4 	288	1192	7.3	
	2	Ø6.3	4 	69	276	0.7	
	3	Ø5	22 	69	1518		2.4
	4	Ø10	4 	130	520	3.2	
	5	Ø5	3 	62	186		0.3
Total+10%:						12.3	3.0
P19+P5+P11	1	Ø10	4 	288	1072	6.6	
	2	Ø5	22 	69	1518		2.4
	3	Ø10	4 	130	520	3.2	
	4	Ø5	3 	63	189		0.3
Total+10%:						10.8	3.0
P3+P6	1	Ø10	4 	288	1072	6.6	
	2	Ø5	22 	69	1518		2.4
	3	Ø10	4 	130	520	3.2	
	4	Ø5	3 	63	189		0.3
Total+10%:						10.8	3.0
P12	1	Ø10	4 	288	1072	6.6	
	2	Ø5	22 	69	1518		2.4
	3	Ø10	4 	130	520	3.2	
	4	Ø5	3 	63	189		0.3
Total+10%:						10.8	3.0
P16+P20	1	Ø10	4 	288	1072	6.6	
	2	Ø5	22 	69	1518		2.4
	3	Ø10	4 	130	520	3.2	
	4	Ø5	3 	63	189		0.3
Total+10%:						10.8	3.0
P17+P13	1	Ø10	4 	288	1192	7.3	
	2	Ø5	25 	69	1725		2.7
	3	Ø10	4 	95	380	2.3	
	4	Ø5	3 	63	189		0.3
Total+10%:						10.6	3.3
P2	1	Ø10	4 	288	1192	7.3	
	2	Ø5	25 	69	1725		2.7
	3	Ø10	4 	95	380	2.3	
	4	Ø5	3 	63	189		0.3
Total+10%:						10.6	3.3
P10+P14	1	Ø10	4 	288	1192	7.3	
	2	Ø5	25 	69	1725		2.7
	3	Ø10	4 	95	380	2.3	
	4	Ø5	3 	63	189		0.3
Total+10%:						10.6	3.3
P18	1	Ø10	4 	288	1192	7.3	
	2	Ø5	25 	69	1725		2.7
	3	Ø10	4 	95	380	2.3	
	4	Ø5	3 	63	189		0.3
Total+10%:						10.6	3.3
P9	1	Ø10	4 	288	1192	7.3	
	2	Ø5	25 	69	1725		2.7
	3	Ø10	4 	95	380	2.3	
	4	Ø5	3 	63	189		0.3
Total+10%:						10.6	3.3
P1	1	Ø12.5	6 	288	1758	17.2	
	2	Ø6.3	4 	69	276	0.7	
	3	Ø6.3	4 	22	88	0.2	
	4	Ø5	18 	69	1242		1.9
	5	Ø12.5	6 	105	630	6.1	
	6	Ø5	3 	58	174	0.3	
Total+10%:						26.6	2.4
P4	1	Ø10	4 	288	1192	7.3	
	2	Ø5	27 	69	1863		2.9
	3	Ø10	4 	130	520	3.2	
	4	Ø5	3 	63	189		0.3
Total+10%:						11.6	3.5
P7	1	Ø10	4 	288	1192	7.3	
	2	Ø5	28 	69	1794		2.8
	3	Ø10	4 	95	380	2.3	
	4	Ø5	3 	63	189		0.3
Total+10%:						10.6	3.4
P8	1	Ø10	6 	288	1758	10.0	
	2	Ø5	26 	69	1794		2.8
	3	Ø5	4 	22	88	0.1	
	4	Ø10	6 	95	570	3.5	
	5	Ø5	3 	61	183	0.3	
Total+10%:						16.0	3.5



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