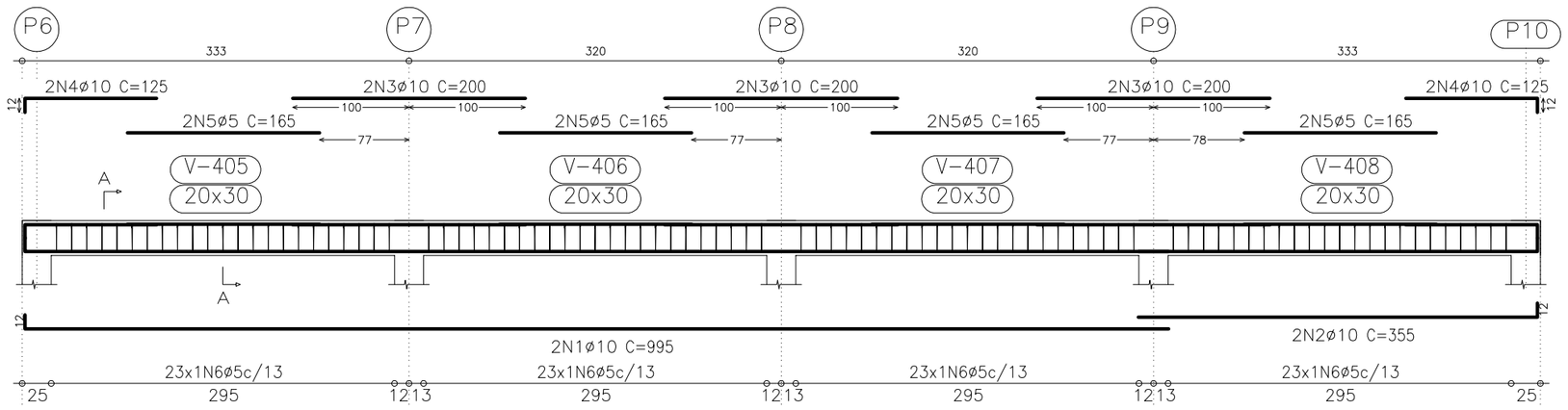
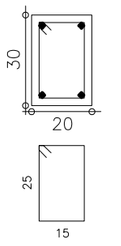
V 2
Escala 1:50

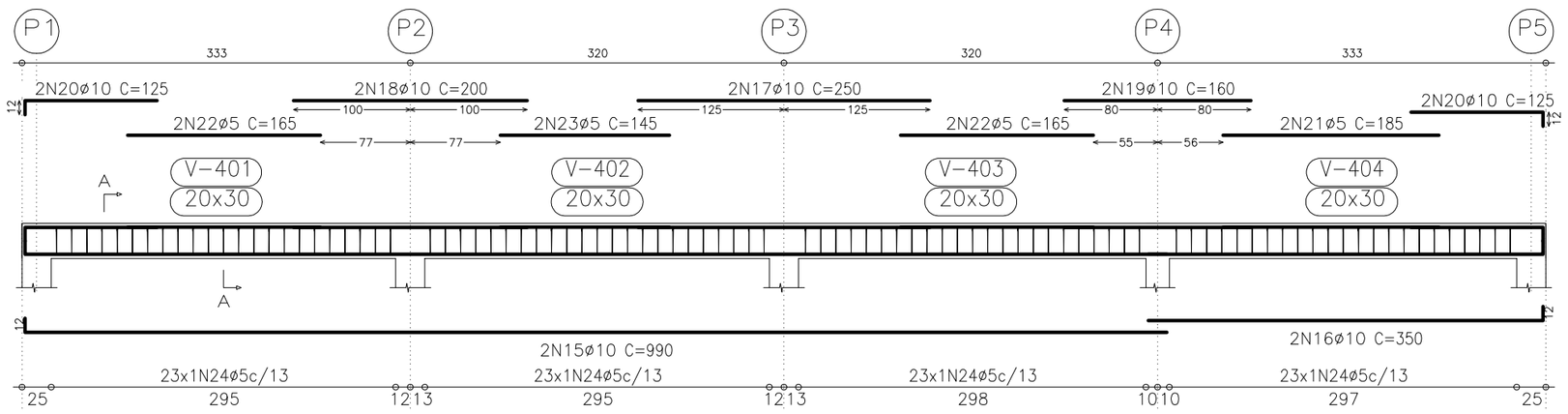


Corte A
Escala 1:20

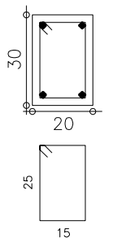


92N6ø5 C=90

V 1
Escala 1:50

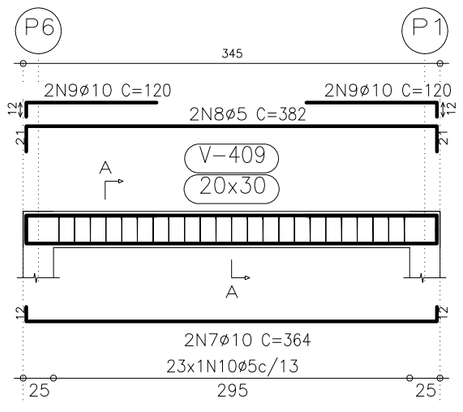


Corte A
Escala 1:20

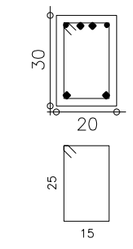


92N24ø5 C=90

V 3
Escala 1:50

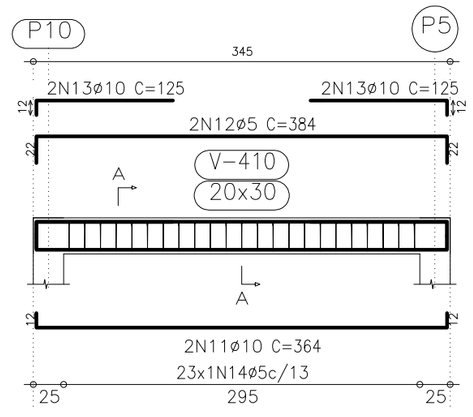


Corte A
Escala 1:20

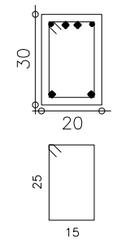


23N10ø5 C=90

V 4
Escala 1:50



Corte A
Escala 1:20



23N14ø5 C=90

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 2	1	ø10	2	12	983		995	1990	12.5	
	2	ø10	2		343	12	355	710	4.5	
	3	ø10	6		200		200	1200	7.5	
	4	ø10	4	12	113		125	500	3.1	
	5	ø5	8		165		165	1320		2.1
	6	ø5	92				90	8280		13.0
							Total+10%:		30.4	16.6
V 3	7	ø10	2	12	340	12	364	728	4.6	
	8	ø5	2	21	340	21	382	764		1.2
	9	ø10	4	12	108		120	480	3.0	
	10	ø5	23				90	2070		3.2
							Total+10%:		8.4	4.8
V 4	11	ø10	2	12	340	12	364	728	4.6	
	12	ø5	2	22	340	22	384	768		1.2
	13	ø10	4	12	113		125	500	3.1	
	14	ø5	23				90	2070		3.2
							Total+10%:		8.5	4.8
V 1	15	ø10	2	12	978		990	1980	12.4	
	16	ø10	2		338	12	350	700	4.4	
	17	ø10	2		250		250	500	3.1	
	18	ø10	2		200		200	400	2.5	
	19	ø10	2		160		160	320	2.0	
	20	ø10	4		113	12	125	500	3.1	
	21	ø5	2		185		185	370		0.6
	22	ø5	4		165		165	660		1.0
	23	ø5	2		145		145	290		0.5
	24	ø5	92				90	8280		13.0
							Total+10%:		30.3	16.6
							ø5:		0.0	42.8
							ø10:		77.6	0.0
							Total:		77.6	42.8

coroamento reservatorio
Desenho de vigas
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:50
Escala seções: 1:20

Resumo Aço coroamento reservatorio Vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø10	112.4	78	78
CA-60-B	ø5	248.7	43	43
Total				121

SECRETARIA DE OBRAS PÚBLICAS
DEPARTAMENTO DE GESTÃO DE OBRAS DE PRÓPRIOS PÚBLICOS
CENTRO ADMINISTRATIVO FERNANDO FERRARI - AV. BORGES DE MEDEIROS N. 1501 - POA/RS

DIVISÃO: PROJETOS COMPLEMENTARES	DIRETOR D.O.: ARQ. ODIR BACCARIN
RESPONSÁVEL TÉCNICO P/ AMPLIAÇÃO: ENG. CIVIL ANA LUCIA MOSELE - CREA 37.222; ENGº AYRTON C. OLIVEIRA - CREA 70066	VIST. COORD. PROJ.: ENG. LUIS FERNANDO; DESENHO: ACAD. MARISA CASTRO
OBRA: UNIDADE PRONTO ATENDIMENTO - UPA III	AREA: 1.485,50 m²
ENDEREÇO: PROJETO PADRÃO	MUNICÍPIO:
PROJETO: ESTRUTURAL	ASSUNTO: VIGAS DO COROAMENTO
ESCALA: INDICADA; DATA: OUT 2009	Nº PRANCHA: C06/07
Nº ARQUIVO: XXX-EST-PL-VIG-R000	