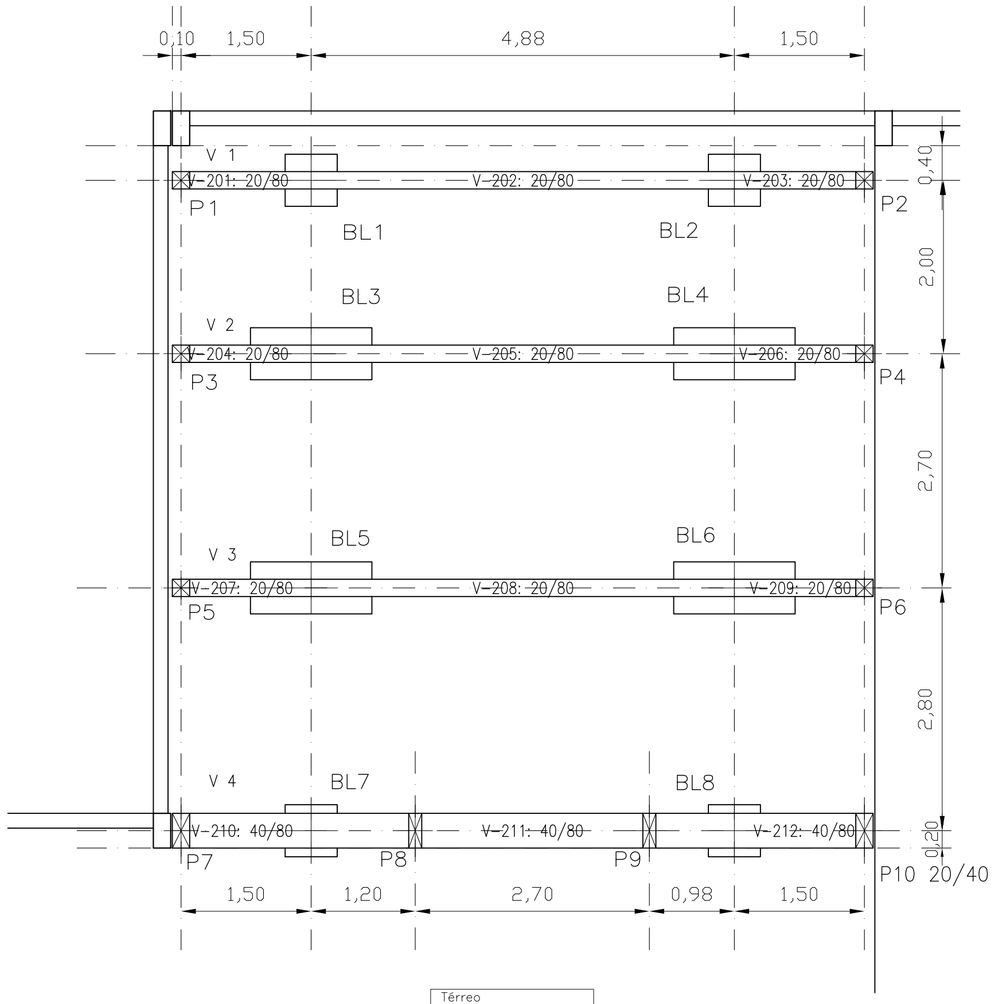
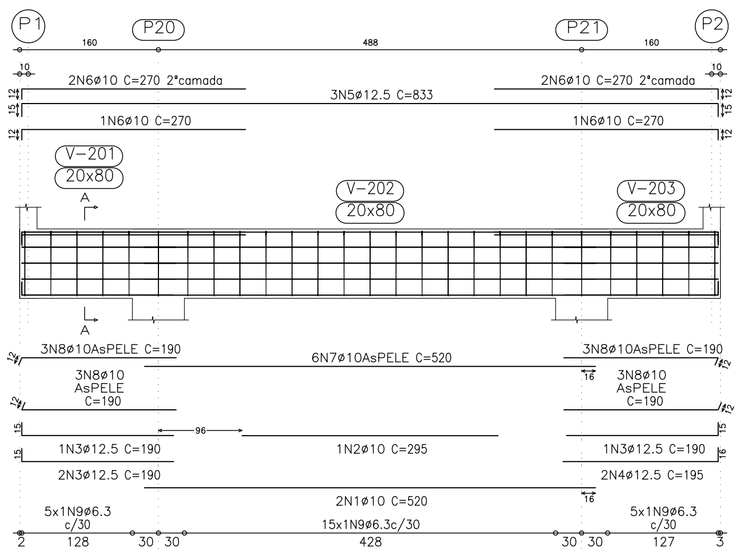


Térreo
Formas
Concreto: C25, em geral
Escala: 1:50

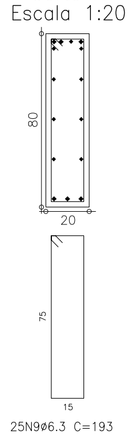
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 1	1	ø10	2		520		520	1040	6.5	
	2	ø10	1		295		295	295	1.9	
	3	ø12.5	4	15	175		190	760	7.5	
	4	ø12.5	2		179	16	195	390	3.8	
	5	ø12.5	3	15	803	15	833	2499	24.5	
	6	ø10	6	12	258		270	1620	10.2	
	7	ø10	6		520		520	3120	19.6	
	8	ø10	12	12	178		190	2280	14.3	
	9	ø6.3	25				193	4825	11.9	
								Total+10%:	110.2	
								ø6.3:	13.1	0.0
								ø10:	57.8	0.0
								ø12.5:	39.3	0.0
								Total:	110.2	0.0

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		520		520	1040	6.5	
	2	ø10	1		295		295	295	1.9	
	3	ø12.5	3	15	175		190	570	5.6	
	4	ø12.5	3		179	16	195	585	5.7	
	5	ø10	6	12	173		185	1110	7.0	
	6	ø16	4	19	803	19	841	3364	52.8	
	7	ø12.5	4	15	260		275	1100	10.8	
	8	ø10	6		520		520	3120	19.6	
	9	ø10	12	12	178		190	2280	14.3	
	10	ø6.3	35				193	6755	16.7	
								Total+10%:	155.0	
								ø6.3:	18.4	0.0
								ø10:	54.2	0.0
								ø12.5:	24.3	0.0
								ø16:	58.1	0.0
								Total:	155.0	0.0

V 1
Escala 1:50



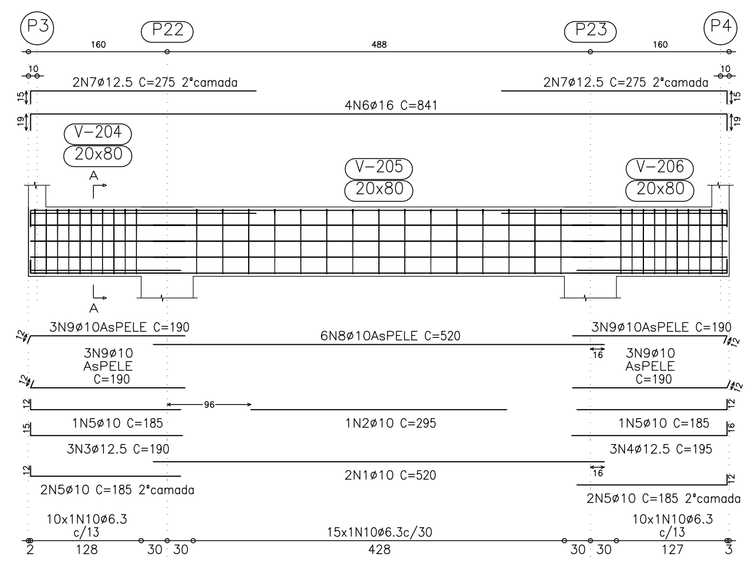
Corte A
Escala 1:20



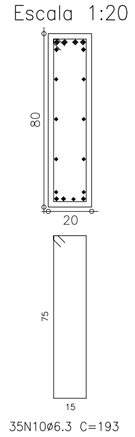
Pilar ou muro apoiado:P1 e P2

Ver esperas no detalhamento de pilares ou vista de muros

V 2
Escala 1:50



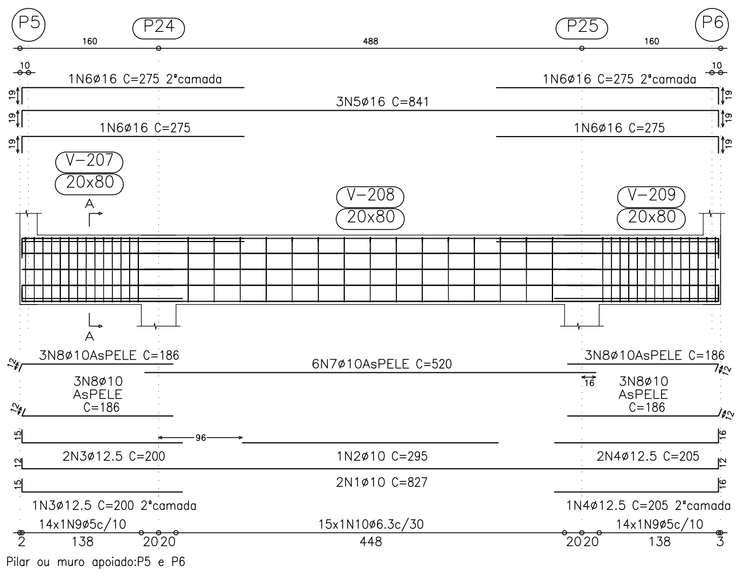
Corte A
Escala 1:20



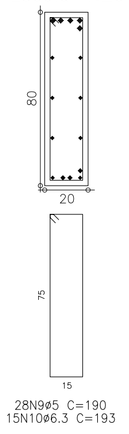
Pilar ou muro apoiado:P3 e P4

Ver esperas no detalhamento de pilares ou vista de muros

V 3
Escala 1:50



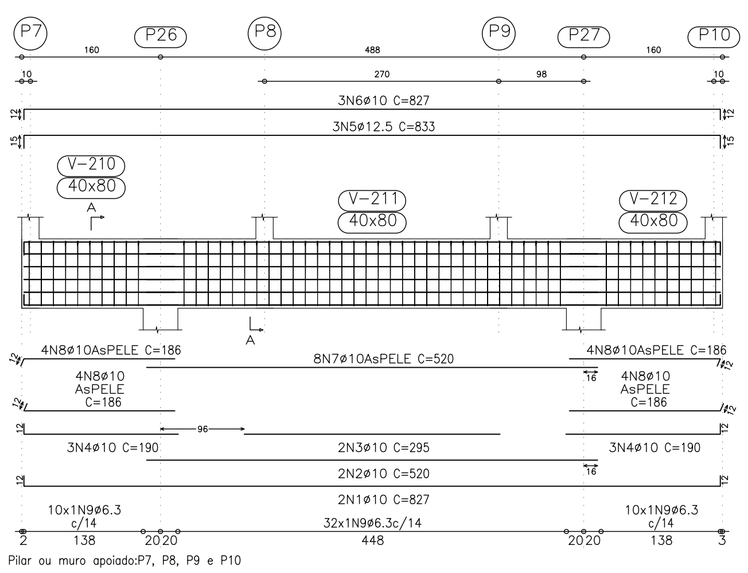
Corte A
Escala 1:20



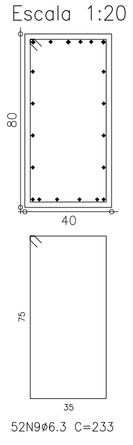
Pilar ou muro apoiado:P5 e P6

Ver esperas no detalhamento de pilares ou vista de muros

V 4
Escala 1:50



Corte A
Escala 1:20



Pilar ou muro apoiado:P7, P8, P9 e P10

Ver esperas no detalhamento de pilares ou vista de muros

Térreo
Desenho de vigas
Concreto: C25, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:50
Escala seções: 1:20

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 3	1	ø10	2	12	803	12	827	1654	10.4	
	2	ø10	1		295		295	295	1.9	
	3	ø12.5	3	15	185		200	600	5.9	
	4	ø12.5	3		189	16	205	615	6.0	
	5	ø16	3	19	803	19	841	2523	39.6	
	6	ø16	4	19	256		275	1100	17.3	
	7	ø10	6		520		520	3120	19.6	
	8	ø10	12	12	174		186	2232	14.0	
	9	ø5	28				190	5320		8.4
	10	ø6.3	15				193	2895	7.2	
								Total+10%:	134.1	9.2
								ø5:	0.0	9.2
								ø6.3:	7.9	0.0
								ø10:	50.5	0.0
								ø12.5:	13.1	0.0
								ø16:	62.6	0.0
								Total:	134.1	9.2

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 4	1	ø10	2	12	803	12	827	1654	10.4	
	2	ø10	2		520		520	1040	6.5	
	3	ø10	2		295		295	590	3.7	
	4	ø10	6	12	178		190	1140	7.2	
	5	ø12.5	3	15	803	15	833	2499	24.5	
	6	ø10	3	12	803	12	827	2481	15.6	
	7	ø10	8		520		520	4160	26.1	
	8	ø10	16	12	174		186	2976	18.7	
	9	ø6.3	52				233	12116	30.0	
								Total+10%:	157.0	
								ø6.3:	33.0	0.0
								ø10:	97.0	0.0
								ø12.5:	27.0	0.0
								Total:	157.0	0.0

REVISÕES	DESCRIÇÃO	DATA	RUBRICA
0	EMISSÃO INICIAL	21/07/2011	UIE

UIE LINGUAGEM DE INFRAESTRUTURA
CENTRO PAULA SOUZA
GOVERNO DE SÃO PAULO

OBRA
CAMPUS CEETEPS EM MOGI DAS CRUZES

UNIDADE
ETEC PRESIDENTE VARGAS

LOCAL / MUNICÍPIO
RUA ADRIANO FRANCISCO SALGADO, 30 - SUD MENUCCI - 08773-600 - MOGI DAS CRUZES - SP

ÁREA TÉCNICA
ESTRUTURA

ESCALA
1/50

FOLHA Nº
EST- 008/014

TÍTULO
PROJETO ESTRUTURAL DA AMPLIAÇÃO DA BIBLIOTECA

ASSUNTO
PLANTA DE FÔRMAS DO TÉRREO E ARMAÇÕES DAS VIGAS V201 A V212

DESENHO
ENG. RUI ANSELMO GARCIA

PROJETO
ENG. RUI ANSELMO GARCIA

COORDENAÇÃO
UIE

OBSERVAÇÃO
CONFERIR MEDIDAS NO LOCAL

DATA
05/06/2017

REVISÃO
R3