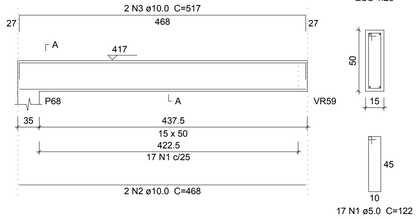
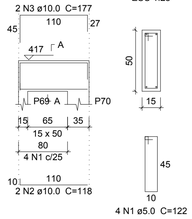
VR17
ESC 1:50



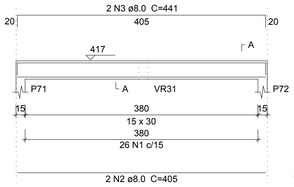
SEÇÃO A-A
ESC 1:25

VR18
ESC 1:50

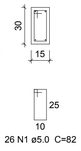


SEÇÃO A-A
ESC 1:25

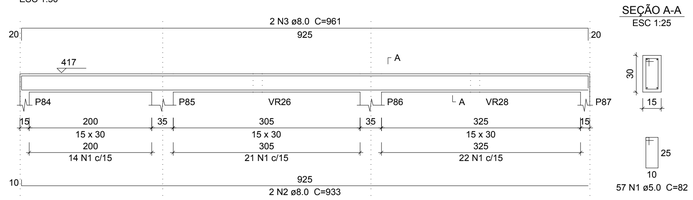
VR19
ESC 1:50



SEÇÃO A-A
ESC 1:25

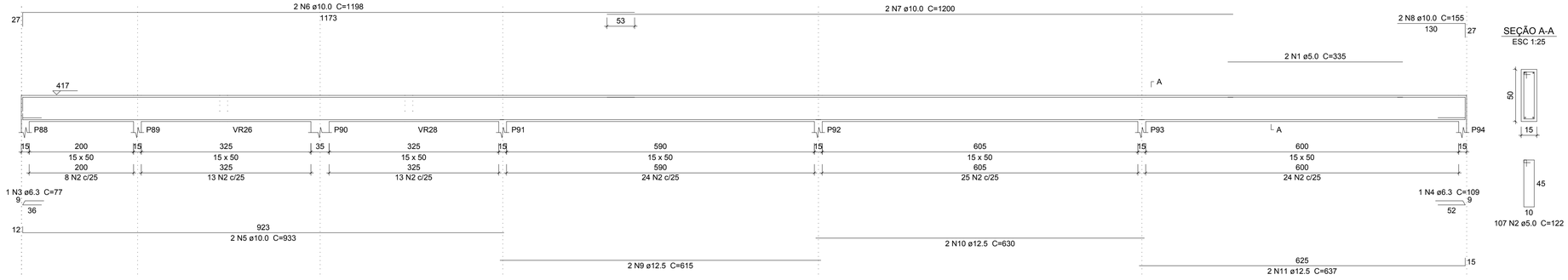


VR20
ESC 1:50



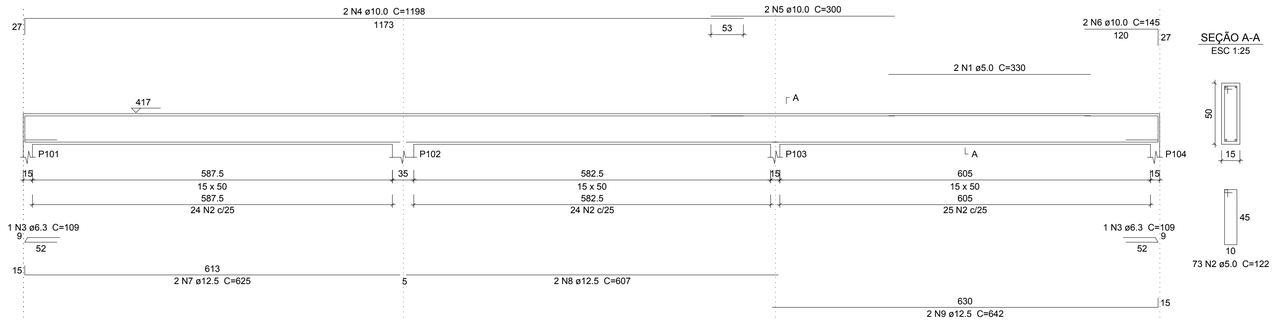
SEÇÃO A-A
ESC 1:25

VR21
ESC 1:50



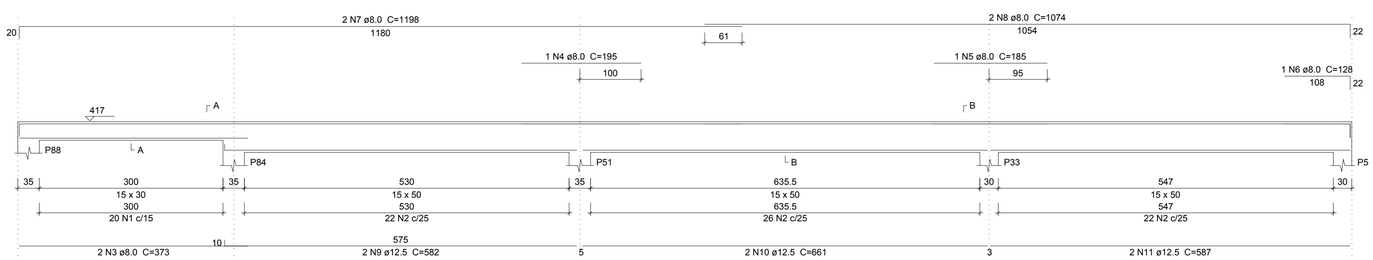
SEÇÃO A-A
ESC 1:25

VR23
ESC 1:50

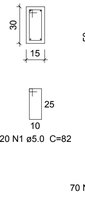


SEÇÃO A-A
ESC 1:25

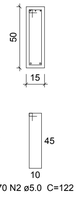
VR24
ESC 1:50



SEÇÃO A-A
ESC 1:25



SEÇÃO B-B
ESC 1:25



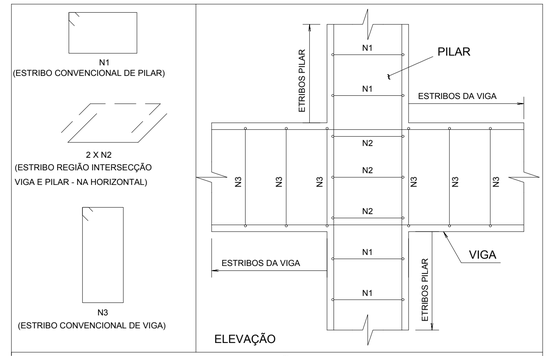
Relação do aço

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VR17	CA60	1	5.0	17	122	2074
	CA50	2	10.0	2	468	936
	CA50	3	10.0	2	517	1034
VR18	CA60	1	5.0	4	122	488
	CA50	2	10.0	2	118	236
	CA50	3	10.0	2	177	354
VR19	CA60	1	5.0	26	82	2132
	CA50	2	8.0	2	405	810
	CA50	3	8.0	2	441	882
VR20	CA60	1	5.0	57	82	4674
	CA50	2	8.0	2	933	1866
	CA50	3	8.0	2	961	1922
VR21	CA60	1	5.0	2	335	670
	CA60	2	5.0	107	122	13054
	CA50	3	6.3	1	77	77
	CA50	4	6.3	1	109	109
	CA50	5	10.0	2	933	1866
	CA50	6	10.0	2	1198	2396
	CA50	7	10.0	2	1200	2400
	CA50	8	10.0	2	155	310
	CA50	9	12.5	2	615	1230
	CA50	10	12.5	2	630	1260
	CA50	11	12.5	2	637	1274
VR23	CA60	1	5.0	2	330	660
	CA60	2	5.0	73	122	8906
	CA50	3	6.3	2	109	218
	CA50	4	10.0	2	1198	2396
	CA50	5	10.0	2	300	600
	CA50	6	10.0	2	145	290
	CA50	7	12.5	2	625	1250
	CA50	8	12.5	2	607	1214
	CA50	9	12.5	2	642	1284
VR24	CA60	1	5.0	20	82	1640
	CA60	2	5.0	70	122	8540
	CA50	3	8.0	2	373	746
	CA50	4	8.0	1	195	195
	CA50	5	8.0	1	185	185
	CA50	6	8.0	1	128	128
	CA50	7	8.0	2	1198	2396
	CA50	8	8.0	2	1074	2148
	CA50	9	12.5	2	582	1164
	CA50	10	12.5	2	661	1322
	CA50	11	12.5	2	587	1174

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	4.1	1
	8.0	112.8	44.5
	10.0	128.2	79
	12.5	111.8	107.6
CA60	5.0	428.4	66
PESO TOTAL			
CA50	232.1		
CA60	66		

Vol. de concreto total (C-25) = 6.04 m³
Área de forma total = 93.63 m²



DETALHE ESTRIBO LIGAÇÃO VIGA E PILAR
S/ESCALA

TIPO DA OBRA:	REESTRUTURAÇÃO DA ESCOLA ESTADUAL JOSÉ ALVES BEZERRA
PROPRIETÁRIO CPF OU CGC:	PREFEITURA MUNICIPAL DE PORTO DOS GAÚCHOS
LOCAL E INSCRIÇÃO CADASTRAL:	Endereço: Av. Guilherme Meyer Municipio de Porto dos Gaúchos - MATO GROSSO
AUTOR DO PROJETO: CREA:	Evelin Luani Montagna MT 039125
RESPONSÁVEL TÉCNICO: CREA:	Evelin Luani Montagna MT 039125
ESCALA: INDICADA / DATA:OUT/2019	ASSUNTO: PROJETO ESTRUTURAL: PLANTA DE ARMAÇÃO DAS VIGAS VR17,VR18,VR19,VR20,VR21,VR23,VR24
DESENHO:	FOLHA Nº 38/45

E S T A T Í S T I C A

ÁREAS:	% DE OCUPAÇÃO		COEF. APROVEIT.	Nº DE PISOS
	TÉRREO	DEMAIS PAV.		
VER PROJETO ARQUITETONICO				01