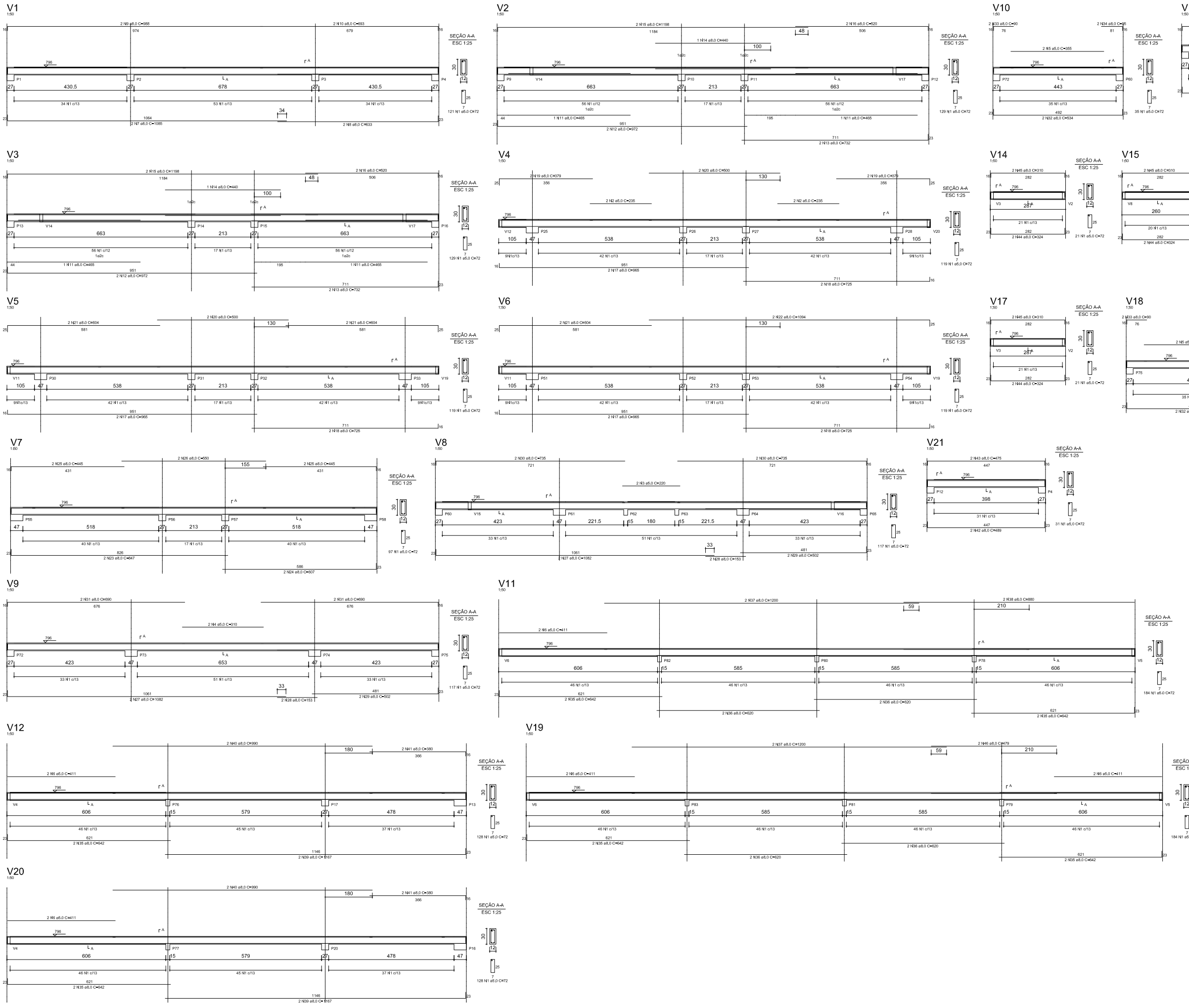

RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
50	1	5,0	1905	72	137160
	2	5,0	4	235	940
	3	5,0	2	220	440
	4	5,0	2	310	620
	5	5,0	4	355	1420
	6	5,0	10	411	4110
	7	8,0	2	1085	2170
	8	8,0	2	633	1266
	9	8,0	2	988	1976
	10	8,0	2	693	1386
	11	8,0	2	465	1860
	12	8,0	4	972	3888
	13	8,0	4	732	2928
	14	8,0	2	440	880
	15	8,0	4	1198	4792
	16	8,0	4	520	2080
	17	8,0	6	966	5790
	18	8,0	6	725	4350
	19	8,0	4	379	1516
	20	8,0	4	500	2000
	21	8,0	6	604	3624
	22	8,0	2	1094	2188
	23	8,0	2	847	1694
	24	8,0	2	607	1214
	25	8,0	4	445	1780
	26	8,0	2	550	1100
	27	8,0	4	1082	4328
	28	8,0	4	153	612
	29	8,0	4	502	2008
	30	8,0	4	735	2940
	31	8,0	4	690	2760
	32	8,0	4	534	2136
	33	8,0	4	90	360
	34	8,0	4	95	380
	35	8,0	14	642	8988
	36	8,0	2	620	1240
	37	8,0	4	1200	4800
	38	8,0	2	880	1760
	39	8,0	4	1167	4668
	40	8,0	4	990	3960
	41	8,0	4	380	1520
	42	8,0	4	489	1956
	43	8,0	4	475	1900
	44	8,0	8	324	2592
	45	8,0	8	310	2480
	46	8,0	2	479	958

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	5,0	1456,3	246,7
	8,0	1032,8	448,0
PESO TOTAL			
CA50		695,6	

Vol. de concreto total=9,35 m³
Área de forma total = 187,03 m²

ELITE ENGENHARIA

Rua Sougiuba Nº, Qd. 03, Lt. 4E – Box 5 – Condomínio Solidi, Senador Canedo/GO - e-mail: brazcampos@uol.com.br - Fones: (62) 3541-8806 / (62) 8811-6683

ESTRUTURAL

Instituto Federal Farroupilha
Campus de Júlio de Castilhos

Interessado: Instituto Federal Farroupilha - RS

Autor: Engº Braz Campos - CREA 19440D - GO

ARQUIVO: 17 - RS - Julio de Castilhos - Administrativo - Estrutural - 13.12.11.dwg

ÁREA DO TERRENO: -

ÁREA PERMEÁVEL: -

Nº PAVIMENTOS: 02 (Dois)

ÁREA CONSTRUÍDA: Área Total : 1914,83 m²

CONTEÚDO: Vigas Fechamento

DESENHISTA: Nadi Borges

FOLHA: 17/17

ENDEREÇO: Rua São João do Barro Preto - Interior, Júlio de Castilhos, RS

DATA: Dezembro/2011

REVISAO:

	DATA	MOTIVO	REVISOR

APROVAÇÃO: