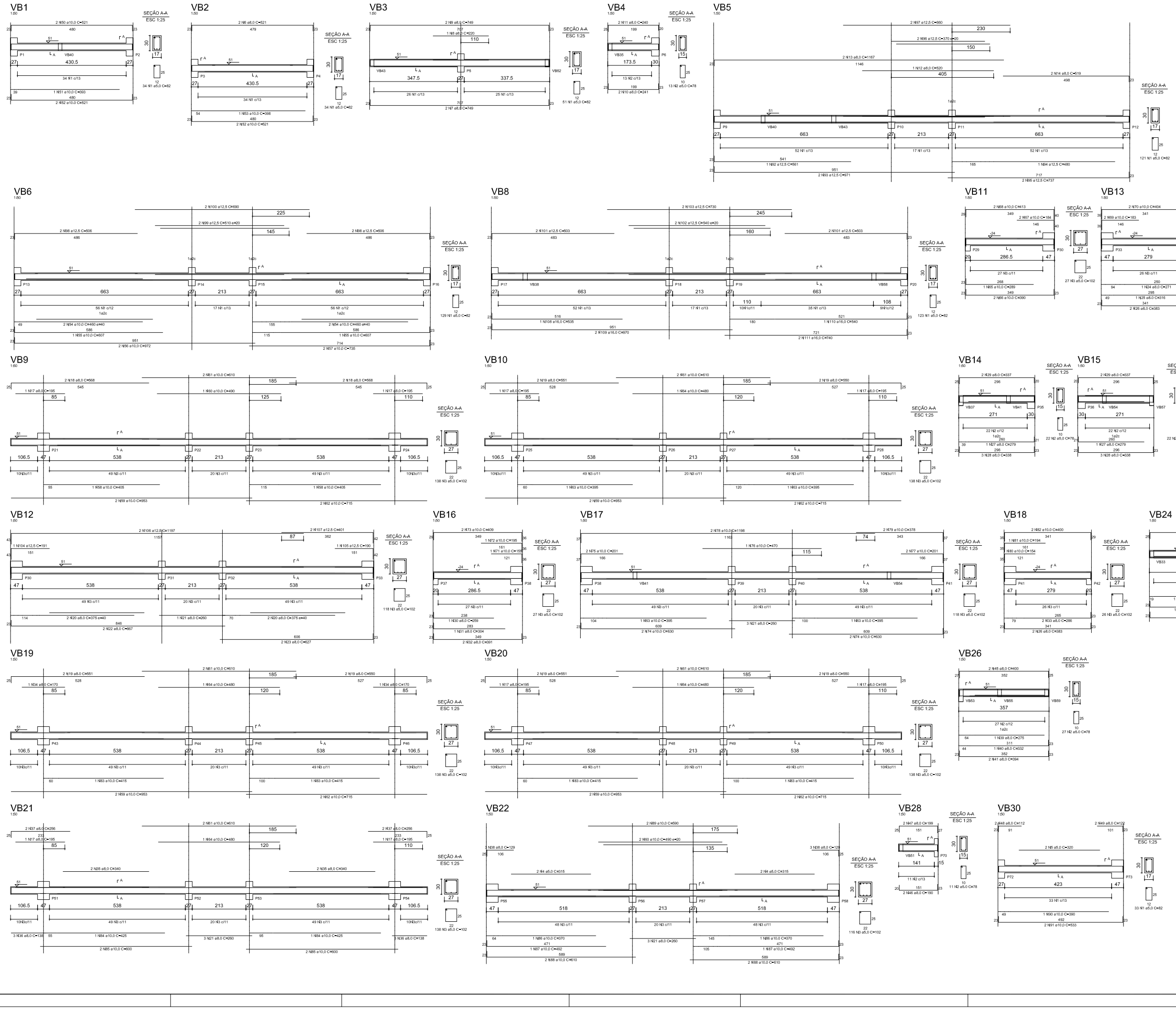

RELAÇÃO DO AÇO

VB1	VB2	VB3
VB4	VB5	VB6
VB7	VB8	VB9
VB10	VB11	VB12
VB13	VB14	VB15
VB16	VB17	VB18
VB19	VB20	VB21
VB22	VB24	VB25
VB26	VB27	VB28
VB30		

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
50	1	5,0	542	82	44444
	2	8,0	147	78	11466
	3	5,0	1146	102	117096
	4	5,0	4	315	1260
	5	8,0	2	320	640
	6	8,0	2	521	1042
	7	8,0	2	749	1498
	8	8,0	1	220	220
	9	8,0	2	749	1498
	10	8,0	2	241	482
	11	8,0	2	240	480
	12	8,0	1	520	520
	13	8,0	2	1167	2334
	14	8,0	2	519	1038
	15	8,0	2	287	574
	16	8,0	2	287	574
	17	8,0	8	195	1560
	18	8,0	4	568	2272
	19	8,0	12	551	6612
	20	8,0	4	375	1500
	21	8,0	10	260	2600
	22	8,0	2	867	1734
	23	8,0	2	627	1254
	24	8,0	1	271	271
	25	8,0	1	316	316
	26	8,0	4	383	1532
	27	8,0	2	279	558
	28	8,0	6	338	2028
	29	8,0	4	337	1348
	30	8,0	1	259	259
	31	8,0	1	304	304
	32	8,0	2	391	782
	33	8,0	2	286	572
	34	8,0	2	170	340
	35	8,0	4	240	1360
	36	8,0	6	138	828
	37	8,0	4	256	1024
	38	8,0	6	129	774
	39	8,0	2	173	346
	40	8,0	2	332	664
	41	8,0	4	394	1576
	42	8,0	4	400	1600
	43	8,0	2	247	494
	44	8,0	2	241	482
	45	8,0	2	400	800
	46	8,0	4	190	760
	47	8,0	4	199	796
	48	8,0	2	112	224
	49	8,0	2	122	244
	50	10,0	2	521	1042
	51	10,0	1	393	393
	52	10,0	4	521	2084
	53	10,0	1	398	398
	54	10,0	4	460	1840
	55	10,0	2	607	1214
	56	10,0	2	972	1944
	57	10,0	2	735	1470
	58	10,0	2	405	810
	59	10,0	8	953	7624
	60	10,0	3	490	1470
	61	10,0	10	610	6100
	62	10,0	8	715	5720
	63	10,0	4	395	1580
	64	10,0	4	480	1920
	65	10,0	1	289	289
	66	10,0	2	390	780
	67	10,0	2	184	368
	68	10,0	2	413	826
	69	10,0	2	183	366
	70	10,0	2	404	808
	71	10,0	1	155	155
	72	10,0	1	195	195
	73	10,0	2	409	818
	74	10,0	4	630	2520
	75	10,0	2	201	402
	76	10,0	1	470	470
	77	10,0	2	201	402
	78	10,0	2	1198	2396
	79	10,0	2	378	756
	80	10,0	1	154	154
	81	10,0	1	194	194
	82	10,0	2	400	800
	83	10,0	4	415	1660
	84	10,0	2	425	850
	85	10,0	4	600	2400
	86	10,0	2	370	740
	87	10,0	2	492	984
	88	10,0	4	610	2440
	89	10,0	2	590	1180
	90	10,0	1	390	390
	91	10,0	2	533	1066
	92	12,5	1	561	561
	93	12,5	2	971	1942
	94	12,5	1	480	480
	95	12,5	2	737	1474
	96	12,5	2	370	740
	97	12,5	2	660	1320
	98	12,5	4	506	2024
	99	12,5	2	510	1020
	100	12,5	2	690	1380
	101	12,5	4	503	2012
	102	12,5	2	540	1080
	103	12,5	1	730	1460
	104	12,5	1	191	191
	105	12,5	1	190	190
	106	12,5	2	1197	2394
	107	12,5	2	401	802
	108	16,0	1	535	535
	109	16,0	2	970	1940
	110	16,0	1	540	540
	111	16,0	2	740	1480

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	5,0	1758,2	297,8
	8,0	475,0	208,5
	10,0	600,2	407,1
	12,5	190,7	202,2
	16,0	45,0	76,2
PESO TOTAL			
CA50	1191,8		

Vol.de concreto total =15,95 m³
Área de forma total= 193,16 m²

ELITE ENGENHARIA
Rua Bougainville, Qd. 03, Lt. 46 – Bairro Centro Sul(Bl. Senador Canedo/GO) – e-mail: brazcampos@uol.com.br – Fones: (62) 3541-6808 / (62) 9971-6693

ESTRUTURAL

Instituto Federal Farroupilha
Campus de Julio de Castilhos

Interessado: Instituto Federal Farroupilha - RS

Autor: Engº Braz Campos - CREA 19446D - GO

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

ÁREA DO TERRENO: -

ÁREA PERMEÁVEL: -

ÁREA CONSTRUÍDA: Área Total : 1914,83 m²

Nº PAVIMENTOS: 02 (Dois)

CONTEÚDO: Vigas Baldrames

DESENHISTA: Flávio Borges

FOLHA: 10/17

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

DATA: Dezembro/2011

REVISÃO:

	DATA	MOTIVO	REVISOR

APROVAÇÃO: