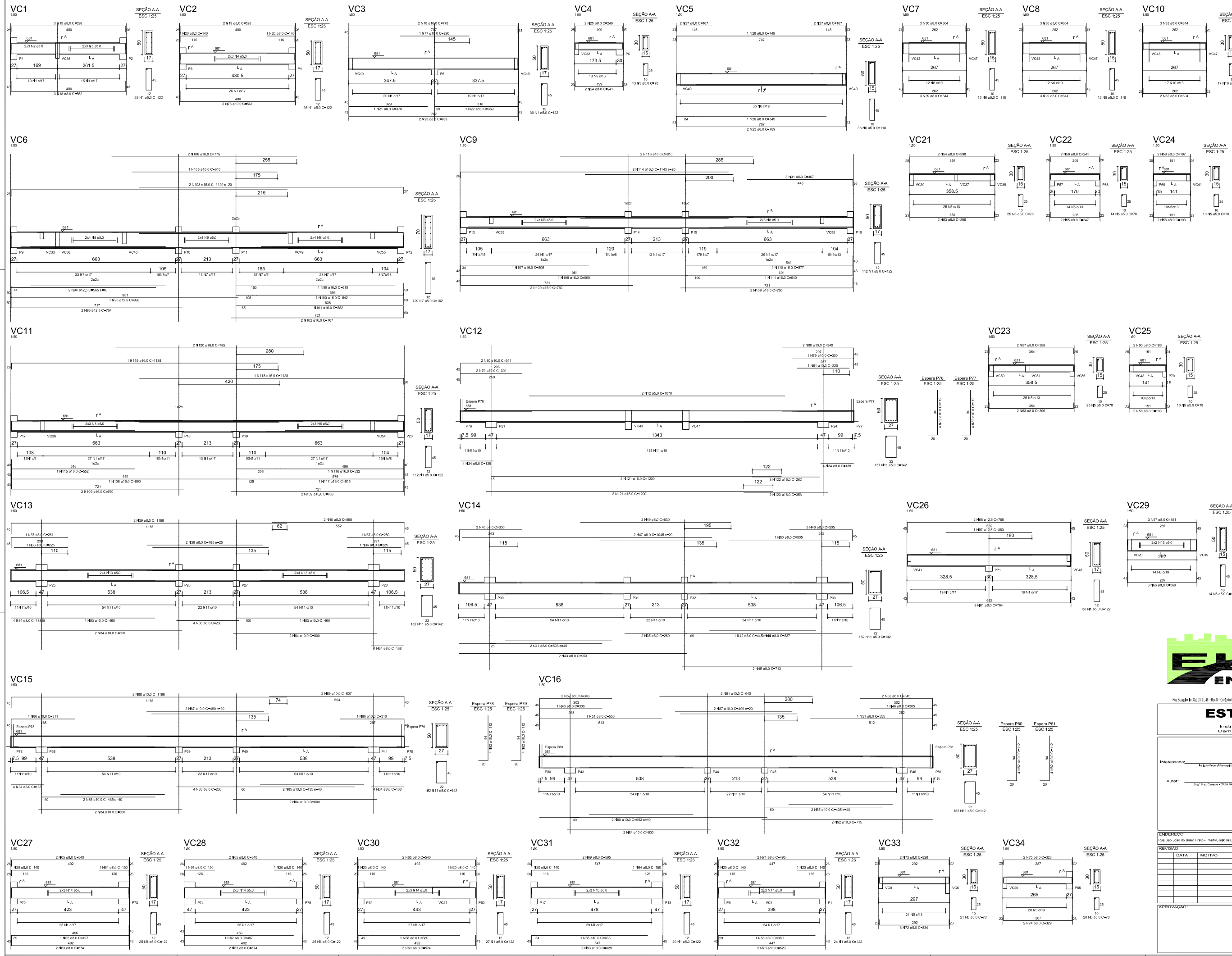

RELAÇÃO DO AÇO

VC1	VC2	VC3
VC4	VC5	VC6
VC7	VC8	VC9
VC10	VC11	VC12
VC13	VC14	VC15
VC16	VC21	VC22
VC23	VC24	VC25
VC26	VC27	VC28
VC29	VC30	VC31
VC32	VC33	VC34

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
50	1	5,0	482	122	58804
	2	5,0	6	corr	1176
	3	5,0	6	corr	1734
	4	5,0	6	corr	2910
	5	5,0	138	78	10764
	6	5,0	118	82	8732
	7	5,0	129	162	20898
	8	5,0	40	corr	28160
	9	5,0	8	corr	1920
	10	5,0	17	82	1394
	11	5,0	765	142	108630
	12	5,0	2	1070	2140
	13	5,0	16	corr	9200
	14	5,0	18	corr	8946
	15	5,0	4	corr	1168
	16	5,0	6	corr	3312
	17	5,0	6	corr	2712
	18	8,0	3	562	1686
	19	8,0	5	528	2640
	20	8,0	9	140	1260
	21	8,0	1	370	370
	22	8,0	1	319	319
	23	8,0	4	789	3156
	24	8,0	2	241	482
	25	8,0	2	240	480
	26	8,0	1	545	545
	27	8,0	4	167	668
	28	8,0	1	749	749
	29	8,0	6	344	2064
	30	8,0	6	304	1824
	31	8,0	3	467	1401
	32	8,0	2	304	608
	33	8,0	3	314	942
	34	8,0	24	138	3312
	35	8,0	10	260	2600
	36	8,0	2	225	450
	37	8,0	2	281	562
	38	8,0	2	485	970
	39	8,0	1	1198	2396
	40	8,0	2	595	1190
	41	8,0	1	598	598
	42	8,0	2	445	890
	43	8,0	2	953	1906
	44	8,0	2	637	1274
	45	8,0	2	713	1426
	46	8,0	8	306	2448
	47	8,0	1	1045	1045
	48	8,0	1	490	490
	49	8,0	2	630	1260
	50	8,0	1	505	505
	51	8,0	2	556	1112
	52	8,0	4	346	1384
	53	8,0	4	396	1584
	54	8,0	2	398	796
	55	8,0	2	247	494
	56	8,0	2	241	482
	57	8,0	2	398	796
	58	8,0	4	193	772
	59	8,0	2	197	394
	60	8,0	2	196	392
	61	8,0	3	754	2262
	62	8,0	2	497	994
	63	8,0	1	514	514
	64	8,0	1	170	170
	65	8,0	6	550	3300
	66	8,0	3	349	1107
	67	8,0	3	351	1053
	68	8,0	2	380	760
	69	8,0	2	595	1190
	70	8,0	2	529	1058
	71	8,0	2	495	990
	72	8,0	3	334	1002
	73	8,0	2	328	656
	74	8,0	2	329	658
	75	8,0	2	323	646
	76	10,0	2	561	1122
	77	10,0	1	290	290
	78	10,0	2	778	1556
	79	10,0	3	301	903
	80	10,0	4	341	1364
	81	10,0	1	220	220
	82	10,0	24	112	2688
	83	10,0	2	460	920
	84	10,0	10	600	6000
	85	10,0	8	435	3480
	86	10,0	2	311	622
	87	10,0	4	490	1960
	88	10,0	2	1198	2396
	89	10,0	2	607	1214
	90	10,0	1	953	953
	91	10,0	2	640	1280
	92	10,0	2	715	1430
	93	10,0	3	628	1884
	94	12,5	2	565	1130
	95	12,5	1	998	998
	96	12,5	2	764	1528
	97	12,5	1	360	360
	98	12,5	2	766	1532
	99	16,0	1	515	515
	100	16,0	1	642	642
	101	16,0	1	682	682
	102	16,0	2	767	1534
	103	16,0	1	1129	1129
	104	16,0	1	1179	1179
	105	16,0	1	679	679
	106	16,0	2	825	1650
	107	16,0	1	508	508
	108	16,0	2	990	1980
	109	16,0	8	760	6080
	110	16,0	1	577	577
	111	16,0	1	640	640
	112	16,0	1	620	620
	113	16,0	2	810	1620
	114	16,0	1	1143	1143
	115	16,0	1	552	552
	116	16,0	1	532	532
	117	16,0	1	615	615
	118	16,0	1	1128	1128
	119	16,0	1	1138	1138
	120	16,0	2	785	1570
	121	16,0	5	1200	6000
	122	16,0	3	252	846
	123	16,0	2	353	706

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	5,0	2734,0	463,1
	8,0	759,1	308,2
	10,0	302,7	205,2
	12,5	55,5	53,8
	16,0	341,0	592,6
PESO TOTAL			
CA50		1628,1	

Vol. de concreto total = 22,23 m³
Área de forma total = 261,05 m²

ELITE ENGENHARIA

Rua Sougueira Br. Cel. 93, 11.46 – Box 5 – Conjunto Sebilli, Senador Correio/CG - e-mail: brazcampos@uol.com.br - Fones: (62) 3941-6806 / (62) 9971-6693

ESTRUTURAL

Instituto Federal Farroupilha
Campus de Jóão de Castilho

Interessado: Instituto Federal Farroupilha - RS

Autor: Engº Braz Campos - CREA 19440D - GO

ARQUIVO: IFF - RS - João de Castilho - Administrativo - Estrutural - 13.12.11.dwg

ÁREA DO TERRENO: -

ÁREA CONSTRUÍDA: Área Total : 1914,83 m²

ÁREA PERMEÁVEL: -

Nº PAVIMENTOS: 02 (Dois)

CONTEÚDO: Vigas Cobertura

DESENHISTA: Elialb Borges

FOLHA: 14/17

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

DATA: Dezembro/2011

REVISAO:

DATA	MOTIVO	REVISOR

APROVAÇÃO:

www.brazcampos.com.br