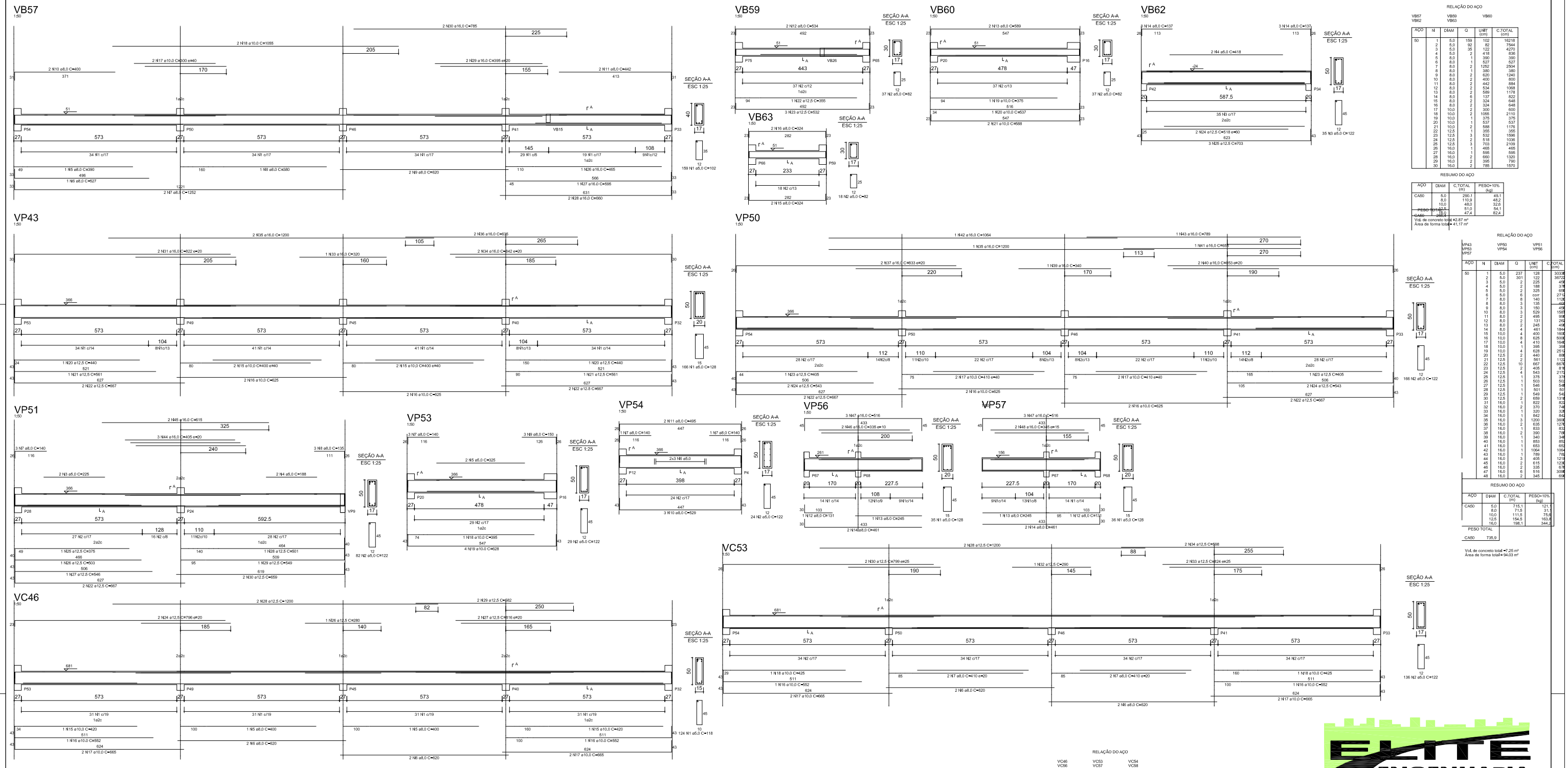

RELAÇÃO DO AÇO

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
50	1	5,0	159	102	16218
	2	5,0	92	82	7544
	3	5,0	35	122	4270
	4	5,0	2	418	836
	5	8,0	1	390	390
	6	8,0	1	527	527
	7	8,0	2	1252	2504
	8	8,0	1	380	380
	9	8,0	2	620	1240
	10	8,0	2	400	800
	11	8,0	2	442	884
	12	8,0	2	534	1068
	13	8,0	2	589	1178
	14	8,0	6	137	822
	15	8,0	2	324	648
	16	8,0	2	324	648
	17	10,0	2	300	600
	18	10,0	2	1055	2110
	19	10,0	1	375	375
	20	10,0	1	537	537
	21	10,0	2	588	1176
	22	12,5	1	355	355
	23	12,5	3	532	1596
	24	12,5	2	518	1036
	25	12,5	3	703	2109
	26	16,0	1	465	465
	27	16,0	1	595	595
	28	16,0	2	660	1320
	29	16,0	2	395	790
	30	16,0	2	785	1570

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	5,0	290,1	49,1
	8,0	110,9	48,2
	10,0	48,0	32,8
	12,5	51,0	54,1
	16,0	47,4	62,4
PESO TOTAL			
CA50	246,7		

Vol. de concreto total = 42,87 m³
Área de forma total = 41,17 m²

RELAÇÃO DO AÇO

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
50	1	5,0	237	128	30336
	2	5,0	301	122	36722
	3	5,0	2	225	450
	4	5,0	2	188	376
	5	5,0	2	325	650
	6	5,0	6	corr	2712
	7	8,0	8	140	1120
	8	8,0	3	135	405
	9	8,0	3	150	450
	10	8,0	3	529	1587
	11	8,0	2	495	990
	12	8,0	2	131	262
	13	8,0	2	245	490
	14	8,0	4	461	1844
	15	10,0	4	400	1600
	16	10,0	8	625	5000
	17	10,0	4	410	1640
	18	10,0	1	395	395
	19	10,0	2	628	2512
	20	12,5	2	440	880
	21	12,5	1	561	1122
	22	12,5	10	667	6670
	23	12,5	2	405	810
	24	12,5	4	543	2172
	25	12,5	1	375	375
	26	12,5	1	503	503
	27	12,5	1	546	546
	28	12,5	1	501	501
	29	12,5	1	549	549
	30	12,5	2	659	1318
	31	12,5	2	622	1244
	32	16,0	2	370	740
	33	16,0	1	320	320
	34	16,0	1	842	842
	35	16,0	3	1200	3600
	36	16,0	2	635	1270
	37	16,0	1	833	833
	38	16,0	2	390	780
	39	16,0	1	340	340
	40	16,0	1	853	853
	41	16,0	1	653	653
	42	16,0	1	1064	1064
	43	16,0	1	789	789
	44	16,0	3	405	1215
	45	16,0	2	615	1230
	46	16,0	2	335	670
	47	16,0	6	516	3096
	48	16,0	2	345	690

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	5,0	715,1	121,1
	8,0	71,5	31,1
	10,0	111,5	75,6
	12,5	154,5	163,8
	16,0	198,1	344,2
PESO TOTAL			
CA50	735,9		

Vol. de concreto total = 7,25 m³
Área de forma total = 94,03 m²

RELAÇÃO DO AÇO

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
50	1	5,0	124	118	14632
	2	5,0	284	122	34648
	3	5,0	6	corr	3984
	4	5,0	6	corr	2712
	5	8,0	2	400	800
	6	8,0	8	620	4960
	7	8,0	4	410	1640
	8	8,0	1	492	492
	9	8,0	2	574	1148
	10	8,0	3	540	1620
	11	8,0	3	595	1785
	12	8,0	1	452	452
	13	8,0	2	529	1058
	14	8,0	3	495	1485
	15	10,0	2	420	840
	16	10,0	4	552	2208
	17	10,0	10	665	6650
	18	10,0	4	425	1700
	19	10,0	1	532	532
	20	10,0	1	500	500
	21	10,0	1	540	540
	22	10,0	2	657	1314
	23	10,0	3	628	1884
	24	12,5	1	796	796
	25	12,5	2	330	660
	26	12,5	1	280	280
	27	12,5	1	816	816
	28	12,5	4	1200	4800
	29	12,5	2	582	1164
	30	12,5	1	799	799
	31	12,5	2	340	680
	32	12,5	1	290	290
	33	12,5	1	824	824
	34	12,5	2	598	1196
	35	16,0	1	1259	1259
	36	16,0	2	650	1300

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	5,0	558,8	94,6
	8,0	154,4	67,1
	10,0	161,6	109,6
	12,5	123,1	130,5
	16,0	25,8	44,5
PESO TOTAL			
CA50	446,4		

Vol. de concreto total = 6,2 m³
Área de forma total = 88,14 m²

ELITE ENGENHARIA
Rua Bougainville, Qd. 03, Lt. 46 – Box 8 – Conjunto Sabiá, Senador Canedo/GO – e-mail: brazcampos@uol.com.br – Fones: (62) 3541-6808 / (62) 9911-6693

ESTRUTURAL

Instituto Federal Farroupilha
Campus de João de Castilho

Interessado: Instituto Federal Farroupilha - RS

Autor: Engº Braz Campos - CREA 7646/D - GO

ARQUIVO: IFF - RS - João de Castilho - 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; Vigas - Piso; Vigas Cobertura

DESENHISTA: Filadio Borges

FOLHA: 16/17

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

DATA: Dezembro/2011

REVISÃO:

	DATA	MOTIVO	REVISOR

APROVAÇÃO: