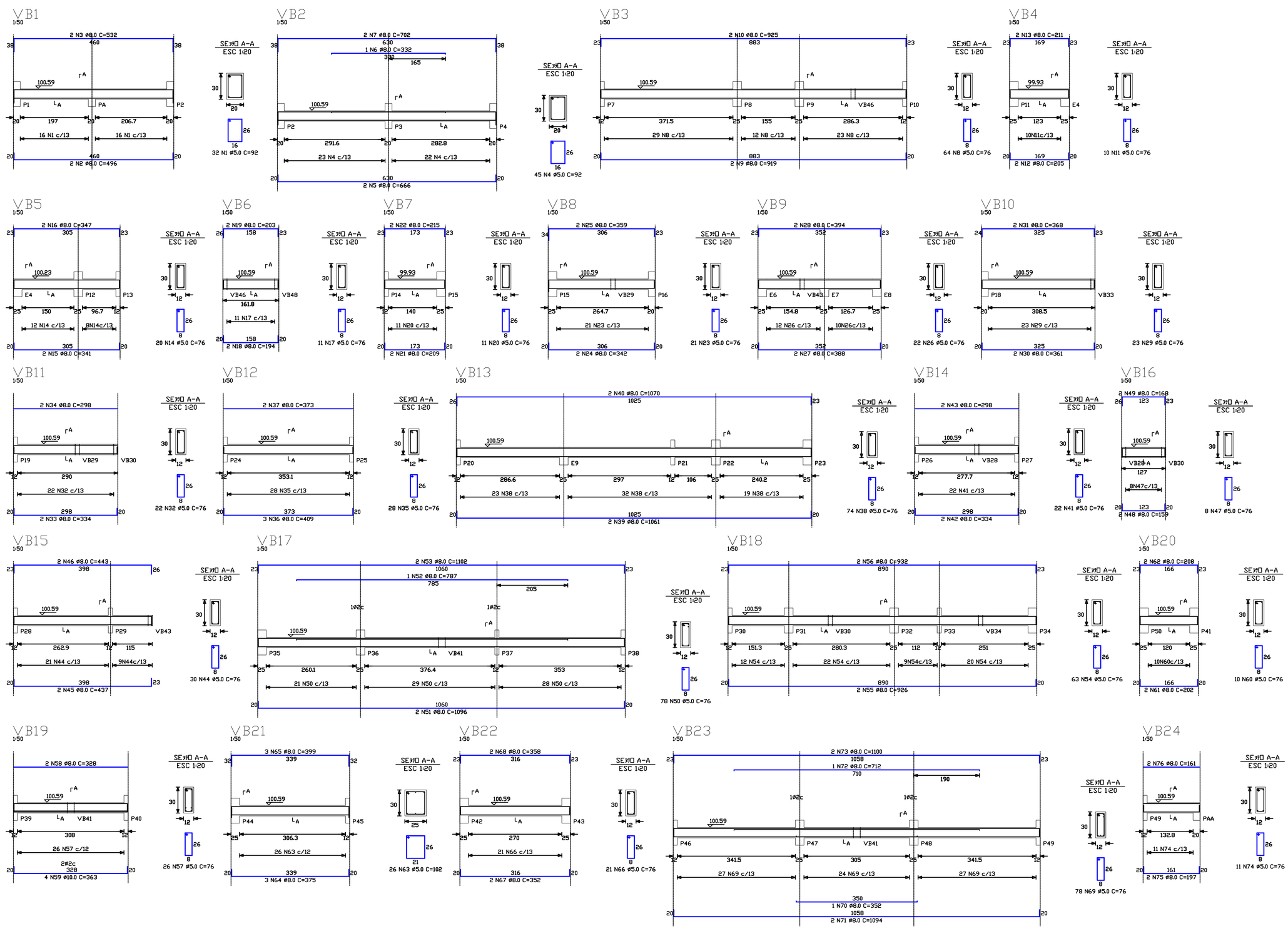

RELAÇÃO DE AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VB1	60	1	5.0	32	92	2944
	50	2	8.0	2	496	992
	50	3	8.0	2	532	1064
VB2	60	4	5.0	45	92	4140
	50	5	8.0	2	666	1332
	50	6	8.0	1	332	332
VB3	50	7	8.0	2	702	1404
	60	8	5.0	64	76	4864
	50	9	8.0	2	919	1838
VB4	50	10	8.0	2	925	1850
	60	11	5.0	10	76	760
	50	12	8.0	2	205	410
VB5	50	13	8.0	2	211	422
	60	14	5.0	20	76	1520
	50	15	8.0	2	341	682
VB6	50	16	8.0	2	347	694
	60	17	5.0	11	76	836
	50	18	8.0	2	194	388
VB7	50	19	8.0	2	203	406
	60	20	5.0	11	76	836
	50	21	8.0	2	209	418
VB8	50	22	8.0	2	215	430
	60	23	5.0	21	76	1596
	50	24	8.0	2	342	684
VB9	50	25	8.0	2	359	718
	60	26	5.0	22	76	1672
	50	27	8.0	2	388	776
VB10	50	28	8.0	2	394	788
	60	29	5.0	23	76	1748
	50	30	8.0	2	361	722
VB11	50	31	8.0	2	368	736
	60	32	5.0	22	76	1672
	50	33	8.0	2	334	668
VB12	50	34	8.0	2	298	596
	60	35	5.0	28	76	2128
	50	36	8.0	3	409	1227
VB13	50	37	8.0	2	373	746
	60	38	5.0	74	76	5624
	50	39	8.0	2	1061	2122
VB14	50	40	8.0	2	1070	2140
	60	41	5.0	22	76	1672
	50	42	8.0	2	334	668
VB15	50	43	8.0	2	298	596
	60	44	5.0	30	76	2280
	50	45	8.0	2	437	874
VB16	50	46	8.0	2	443	886
	60	47	5.0	8	76	608
	50	48	8.0	2	159	318
VB17	50	49	8.0	2	168	336
	60	50	5.0	78	76	5928
	50	51	8.0	2	1096	2192
VB18	50	52	8.0	1	787	787
	50	53	8.0	2	1102	2204
	60	54	5.0	63	76	4788
VB19	50	55	8.0	2	926	1852
	50	56	8.0	2	932	1864
	60	57	5.0	26	76	1976
VB20	50	58	8.0	2	328	656
	50	59	10.0	4	363	1452
	60	60	5.0	10	76	760
VB21	50	61	8.0	2	202	404
	50	62	8.0	2	208	416
	60	63	5.0	26	102	2652
VB22	50	64	8.0	3	375	1125
	50	65	8.0	3	399	1197
	60	66	5.0	21	76	1596
VB23	50	67	8.0	2	352	704
	50	68	8.0	2	358	716
	60	69	5.0	78	76	5928
	50	70	8.0	1	352	352
	50	71	8.0	2	1094	2188
	50	72	8.0	1	712	712
VB24	50	73	8.0	2	1100	2200
	60	74	5.0	11	76	836
	50	75	8.0	2	197	394
VB25	50	76	8.0	2	161	322
	60	77	5.0	11	76	836
	50	78	8.0	2	204	408
VB26	50	79	8.0	2	210	420
	60	80	5.0	54	92	4968
	50	81	8.0	2	786	1572
VB27	50	82	8.0	2	822	1644
	60	83	5.0	46	76	3496
	50	84	8.0	2	700	1400
VB28	50	85	8.0	2	706	1412
	60	86	5.0	35	76	2660
	50	87	8.0	2	509	1018
	50	88	8.0	2	518	1036
VB35	60	89	5.0	10	76	760
	50	90	8.0	2	174	348
	50	91	8.0	2	183	366

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+0% (kg)
CA50	8.0	582.1	230.0
	10.0	14.5	9.0
CA60	5.0	725.4	111.7
PESO TOTAL			
CA50	239.0		
CA60	111.7		

Volume de concreto total = 5.22 m³
Área de forma total = 94.82 m²

PROJETO ESTRUTURAL Fck≥20MPa

TITULO :
LOCAL :
CLIENTE :

ASSUNTO : ARMAÇÃO DAS VIGAS BALDRAME

BRITA Nº1
SLUMP 6 ±1
DATA 12/2008

ESCRITÓRIO DE ENGENHARIA CIVIL
ESTRUTURA DE CONCRETO E FUNDAÇÃO
TEL: (14) 3223-1137 BAURU / SP

FOLHA Nº : 04/08

ENG. RESP.

ENGº. HÉBERT COMEGNO ASAM CREA 5060488363/D