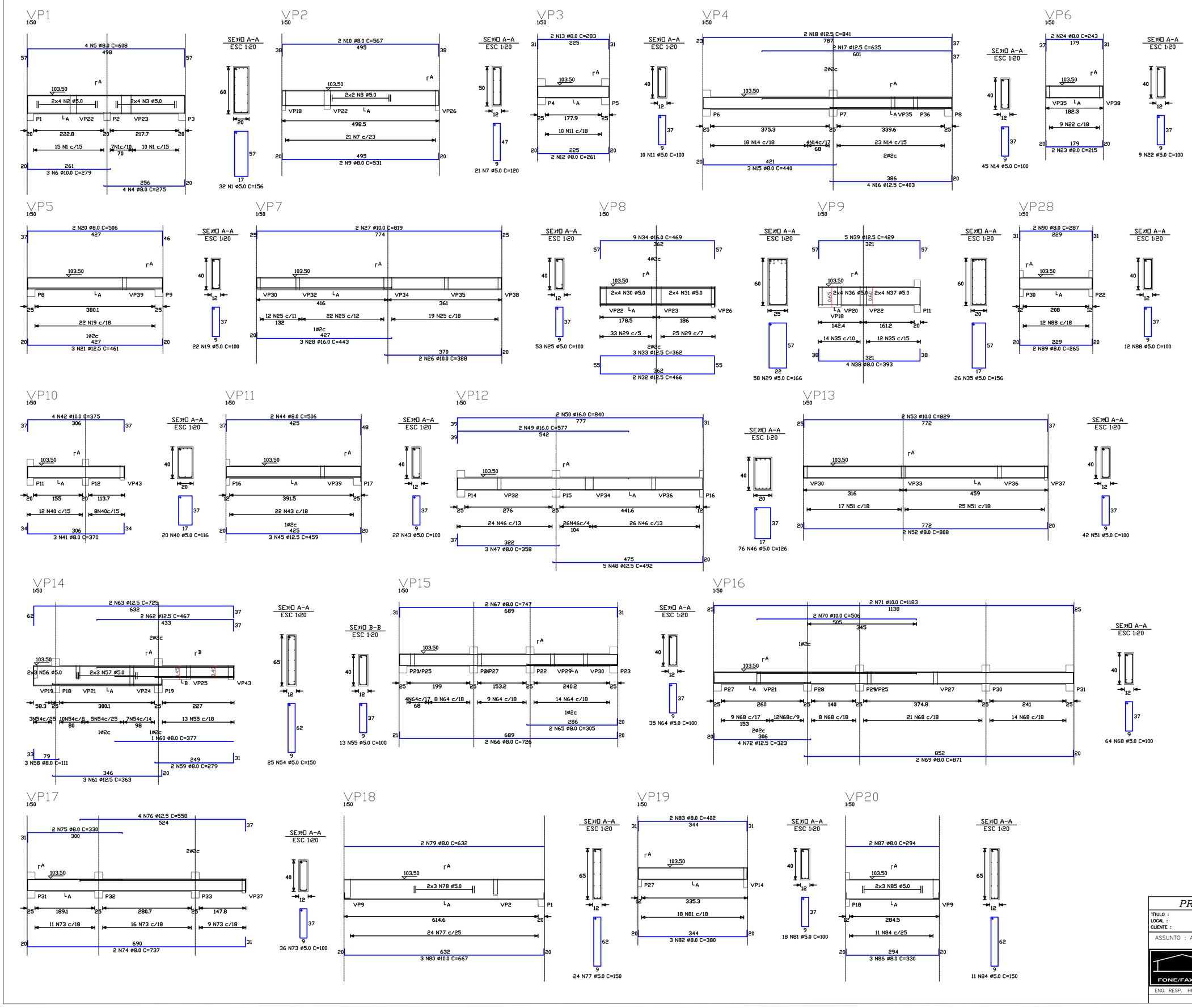

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VP1	60	1	5.0	32	156	4992
	60	2	5.0	8	corr	2024
	60	3	5.0	8	corr	1984
	50	4	8.0	4	275	1100
	50	5	8.0	4	608	2432
	50	6	10.0	3	279	837
VP2	60	7	5.0	21	120	2520
	60	8	5.0	4	corr	1992
	50	9	8.0	2	531	1062
	50	10	8.0	2	567	1134
VP3	60	11	5.0	10	100	1000
	50	12	8.0	2	261	522
	50	13	8.0	2	283	566
VP4	60	14	5.0	45	100	4500
	50	15	8.0	3	441	1323
	50	16	12.5	4	403	1612
	50	17	12.5	2	635	1270
	50	18	12.5	2	841	1682
VP5	60	19	5.0	22	100	2200
	50	20	8.0	2	506	1012
	50	21	12.5	3	461	1383
VP6	60	22	5.0	9	100	900
	50	23	8.0	2	215	430
	50	24	8.0	2	243	486
VP7	60	25	5.0	53	100	5300
	50	26	10.0	2	388	776
	50	27	10.0	2	819	1638
	50	28	16.0	3	443	1329
VP8	60	29	5.0	58	166	9628
	60	30	5.0	8	corr	1432
	60	31	5.0	8	corr	1488
	50	32	12.5	2	466	932
	50	33	12.5	3	362	1086
	50	34	16.0	9	469	4221
VP9	60	35	5.0	26	156	4056
	60	36	5.0	8	corr	1136
	60	37	5.0	8	corr	1448
	50	38	8.0	4	393	1572
	50	39	12.5	5	429	2145
VP10	60	40	5.0	20	116	2320
	50	41	8.0	3	370	1110
	50	42	10.0	4	375	1500
VP11	60	43	5.0	22	100	2200
	50	44	8.0	2	506	1012
	50	45	12.5	3	459	1377
VP12	60	46	5.0	76	126	9576
	50	47	8.0	3	358	1074
	50	48	12.5	5	492	2460
	50	49	16.0	2	577	1154
	50	50	16.0	2	840	1680
VP13	60	51	5.0	42	100	4200
	50	52	8.0	2	808	1616
	50	53	10.0	2	829	1658
VP14	60	54	5.0	25	150	3750
	60	55	5.0	13	100	1300
	60	56	5.0	6	corr	426
	60	57	5.0	6	corr	1950
	50	58	8.0	3	111	333
	50	59	8.0	2	279	558
	50	60	8.0	1	377	377
	50	61	12.5	3	363	1089
	50	62	12.5	2	467	934
	50	63	12.5	2	725	1450
VP15	60	64	5.0	35	100	3500
	50	65	8.0	2	305	610
	50	66	8.0	2	726	1452
	50	67	8.0	2	747	1494
VP16	60	68	5.0	64	100	6400
	50	69	8.0	2	871	1742
	50	70	10.0	2	506	1012
	50	71	10.0	2	1183	2366
	50	72	12.5	4	323	1292
VP17	60	73	5.0	36	100	3600
	50	74	8.0	2	737	1474
	50	75	8.0	2	330	660
	50	76	12.5	4	558	2232
VP18	60	77	5.0	24	150	3600
	60	78	5.0	6	corr	3810
	50	79	8.0	2	632	1264
	50	80	10.0	3	667	2001
VP19	60	81	5.0	18	100	1800
	50	82	8.0	3	380	1140
	50	83	8.0	2	402	804
VP20	60	84	5.0	11	150	1650
	60	85	5.0	6	corr	1782
	50	86	8.0	3	330	990
	50	87	8.0	2	294	588
VP28	60	88	5.0	12	100	1200
	50	89	8.0	2	265	530
	50	90	8.0	2	287	574
VP31	60	91	5.0	12	100	1200
	50	92	8.0	2	265	530
	50	93	8.0	2	287	574

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+0% (kg)
CA50	8.0	321.7	127.1
	10.0	118.0	72.7
	12.5	209.6	202.0
	16.0	83.8	132.4
CA60	5.0	1012.0	155.8

PESO TOTAL	
CA50	534.2
CA60	155.8

Volume de concreto total = 7.32 m³
Área de forma total = 118.81 m²

PROJETO ESTRUTURAL	Fck≥20MPa
TITULO :	BRITA N°1
LOCAL :	SLUMP 6 ±1
CLIENTE :	DATA 09/2007
ASSUNTO : ARMAÇÃO DAS VIGAS PISO	

ESCRITÓRIO DE ENGENHARIA CIVIL
PROJETO ESTRUTURAL E FUNDAÇÃO
FONE/FAX : (14) 3223-1137 BAURU/SP

FOLHA Nº : 08/10

ENG. RESP. HÉBERT COMEGNO ASAM CREA 5060488363/D

ENG. RESP.