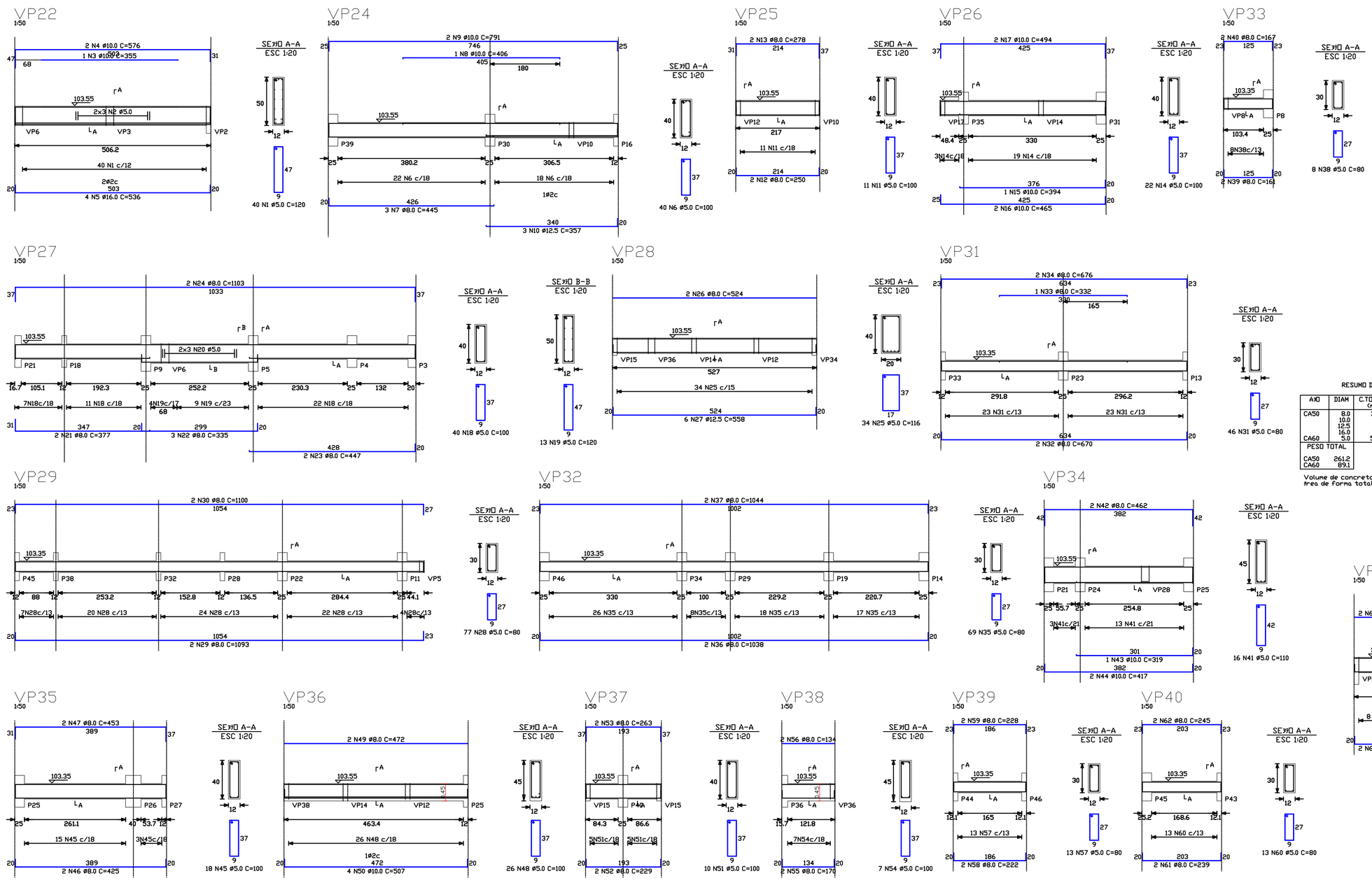

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VP22	60	1	5.0	40	120	4800
	60	2	5.0	6	corr	3036
	50	3	10.0	1	355	355
	50	4	10.0	2	576	1152
	50	5	16.0	4	536	2144
VP24	60	6	5.0	40	100	4000
	50	7	8.0	3	445	1335
	50	8	10.0	1	406	406
	50	9	10.0	2	791	1582
	50	10	12.5	3	357	1071
VP25	60	11	5.0	11	100	1100
	50	12	8.0	2	250	500
	50	13	8.0	2	278	556
VP26	60	14	5.0	22	100	2200
	50	15	10.0	1	394	394
	50	16	10.0	2	465	930
	50	17	10.0	2	494	988
VP27	60	18	5.0	40	100	4000
	60	19	5.0	13	120	1560
	60	20	5.0	6	corr	1662
	50	21	8.0	2	377	754
	50	22	8.0	3	335	1005
	50	23	8.0	2	447	894
	50	24	8.0	2	1103	2206
VP28	60	25	5.0	34	116	3944
	50	26	8.0	2	524	1048
	50	27	12.5	6	558	3348
VP29	60	28	5.0	77	80	6160
	50	29	8.0	2	1093	2186
	50	30	8.0	2	1100	2200
VP31	60	31	5.0	46	80	3680
	50	32	8.0	2	670	1340
	50	33	8.0	1	332	332
	50	34	8.0	2	676	1352
VP32	60	35	5.0	69	80	5520
	50	36	8.0	2	1038	2076
	50	37	8.0	2	1044	2088
VP33	60	38	5.0	8	80	640
	50	39	8.0	2	161	322
	50	40	8.0	2	167	334
VP34	60	41	5.0	16	110	1760
	50	42	8.0	2	462	924
	50	43	10.0	1	319	319
	50	44	10.0	2	417	834
VP35	60	45	5.0	18	100	1800
	50	46	8.0	2	425	850
	50	47	8.0	2	453	906
VP36	60	48	5.0	26	100	2600
	50	49	8.0	2	472	944
	50	50	10.0	4	507	2028
VP37	60	51	5.0	10	100	1000
	50	52	8.0	2	229	458
	50	53	8.0	2	263	526
VP38	60	54	5.0	7	100	700
	50	55	8.0	2	170	340
	50	56	8.0	2	134	268
VP39	60	57	5.0	13	80	1040
	50	58	8.0	2	222	444
	50	59	8.0	2	228	456
VP40	60	60	5.0	13	80	1040
	50	61	8.0	2	239	478
	50	62	8.0	2	245	490
VPER	60	63	5.0	8	96	768
	50	64	8.0	2	199	398
	50	65	8.0	2	163	326
VPER1	60	66	5.0	8	96	768
	50	67	8.0	2	199	398
	50	68	8.0	2	163	326
VPER2	60	69	5.0	8	96	768
	50	70	8.0	2	199	398
	50	71	8.0	2	163	326
VPER3	60	72	5.0	8	96	768
	50	73	8.0	2	200	400
	50	74	8.0	2	164	328
VPER4	60	75	5.0	8	96	768
	50	76	8.0	2	199	398
	50	77	8.0	2	163	326
VPER5	60	78	5.0	8	96	768
	50	79	8.0	2	199	398
	50	80	8.0	2	163	326
VPER6	60	81	5.0	8	96	768
	50	82	8.0	2	199	398
	50	83	8.0	2	163	326

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+0% (kg)
CA50	8.0	327.1	129.2
	10.0	90.0	55.5
	12.5	44.2	42.6
	16.0	21.4	33.9
CA60	5.0	579.0	89.1
PESO TOTAL			
CA50	261.2		
CA60	89.1		

Volume de concreto total = 4.33 m³
Área de forma total = 82.50 m²

PROJETO ESTRUTURAL — Fck≥20MPa

TITULO :
LOCAL :
CLIENTE :
ASSUNTO : ARMAÇÃO DAS VIGAS PISO

BRITA Nº1 — SLUMP 6 ±1 — DATA 07/2009

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

FOLHA Nº: 08/09

ENG°. HÉBERT COMEGNO ASAM CREA 5060488363/D

ENG. RESP.