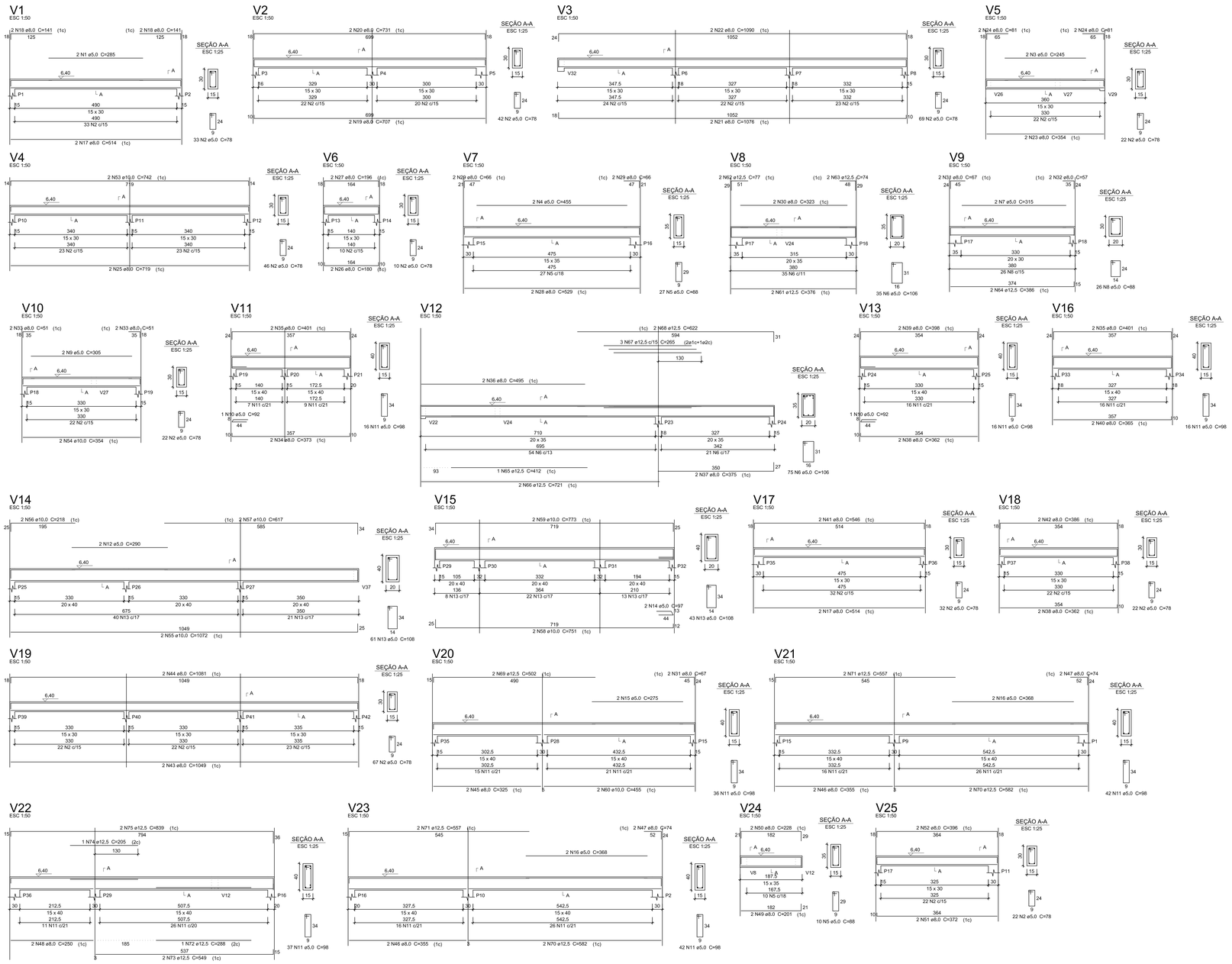

Relação do aço

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25		

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	2	285	570
	2	5,0	387	78	30186
	3	5,0	2	245	490
	4	5,0	2	455	910
	5	5,0	37	88	3256
	6	5,0	110	106	11660
	7	5,0	2	315	630
	8	5,0	26	88	2288
	9	5,0	2	305	610
	10	5,0	2	92	184
	11	5,0	205	98	20090
	12	5,0	2	290	580
	13	5,0	104	108	11232
	14	5,0	2	97	194
	15	5,0	2	275	550
	16	5,0	4	368	1472
CA50	17	8,0	4	514	2056
	18	8,0	4	141	564
	19	8,0	2	707	1414
	20	8,0	2	731	1462
	21	8,0	2	1076	2152
	22	8,0	2	1090	2180
	23	8,0	2	354	708
	24	8,0	4	81	324
	25	8,0	2	719	1438
	26	8,0	2	180	360
	27	8,0	2	196	392
	28	8,0	2	529	1058
	29	8,0	4	66	264
	30	8,0	2	323	646
	31	8,0	4	67	268
	32	8,0	2	57	114
	33	8,0	4	51	204
	34	8,0	2	373	746
	35	8,0	4	401	1604
	36	8,0	2	495	990
	37	8,0	2	375	750
	38	8,0	4	362	1448
	39	8,0	2	398	796
	40	8,0	2	365	730
	41	8,0	2	546	1092
	42	8,0	2	386	772
	43	8,0	2	1049	2098
	44	8,0	2	1081	2162
	45	8,0	2	325	650
	46	8,0	4	355	1420
	47	8,0	4	74	296
	48	8,0	2	250	500
	49	8,0	2	201	402
	50	8,0	2	228	456
	51	8,0	2	372	744
	52	8,0	2	396	792
	53	10,0	2	742	1484
	54	10,0	2	354	708
	55	10,0	2	1072	2144
	56	10,0	2	218	436
	57	10,0	2	617	1234
	58	10,0	2	751	1502
	59	10,0	2	773	1546
	60	10,0	2	455	910
	61	12,5	2	376	752
	62	12,5	2	77	154
	63	12,5	2	74	148
	64	12,5	2	386	772
	65	12,5	1	412	412
	66	12,5	2	721	1442
	67	12,5	3	265	795
	68	12,5	2	622	1244
	69	12,5	2	502	1004
	70	12,5	4	582	2328
	71	12,5	4	557	2228
	72	12,5	1	288	288
	73	12,5	2	549	1098
	74	12,5	1	205	205
	75	12,5	2	839	1678

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8,0	340,6	147,8
	10,0	99,7	67,6
	12,5	145,5	154,2
CA60	5,0	849,1	143,9

PESO TOTAL (kg)	
CA50	369,5
CA60	143,9

Volume de concreto (C-30) = 8,59 m³
Área de forma = 130,06 m²

MUNICÍPIO DE ARAUCÁRIA
SECRETARIA MUNICIPAL DE OBRAS PÚBLICAS - SMOP

TÍTULO
EDIFICAÇÃO - VIGILÂNCIA SANITÁRIA - BLOCO 1

REFERÊNCIA
PROJETO ESTRUTURAL
VIGAS - COBERTURA

REQUERENTE
PREFEITURA DO MUNICÍPIO DE ARAUCÁRIA

MODIFICADO EM / / / / / /

RESP. TÉCNICO PELO PROJETO
FABIO ALCEU FERNANDES CREA PR 73.222/D

LOCAL	QUADRA	LOTE	ESCALA	DESENHO	DATA	FOLHA
OLIMPICO			INDICADA		OUT/15	06/11

A0