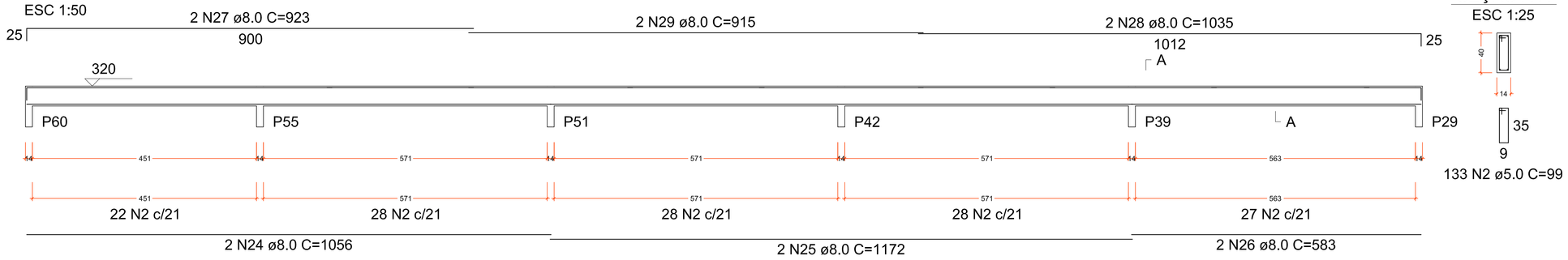
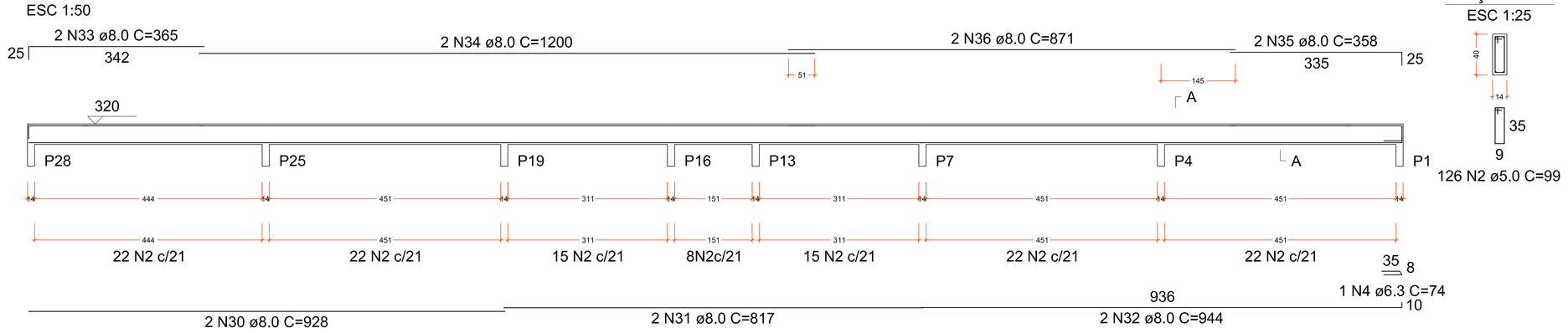
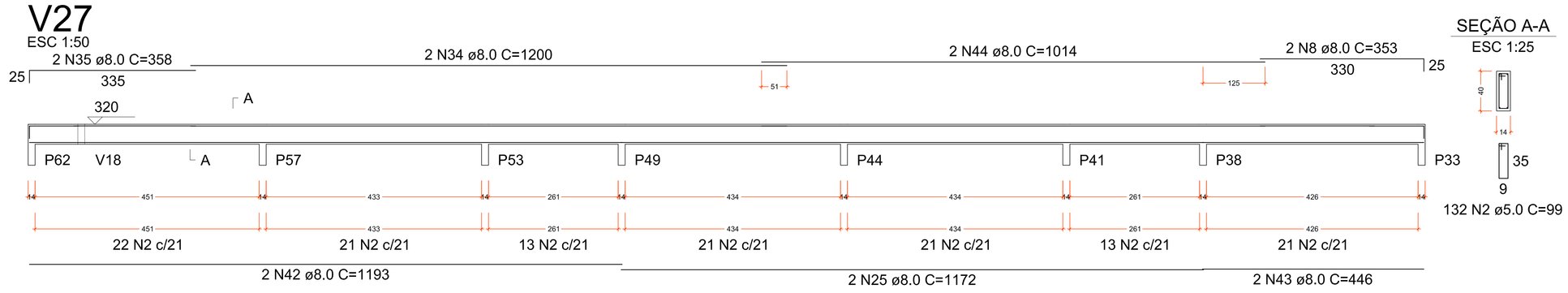
V20
ESC 1:50



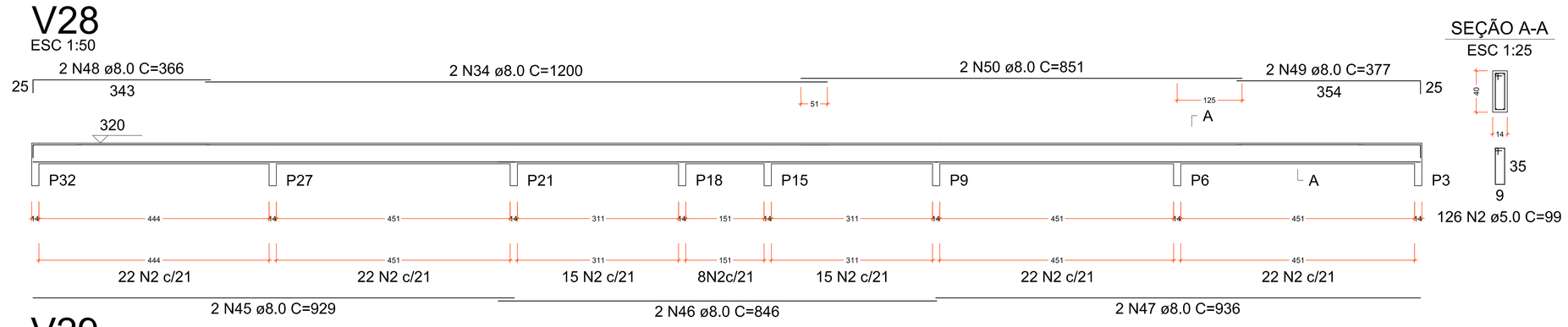
V21
ESC 1:50



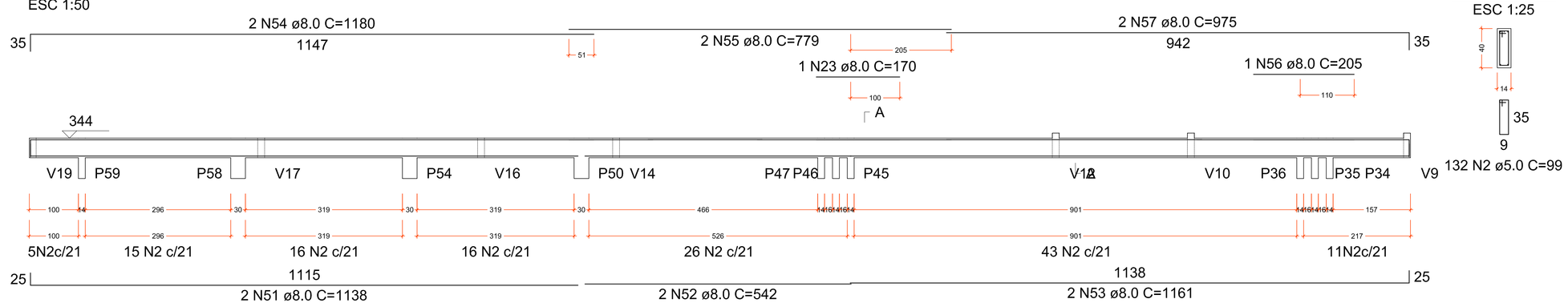
V27
ESC 1:50



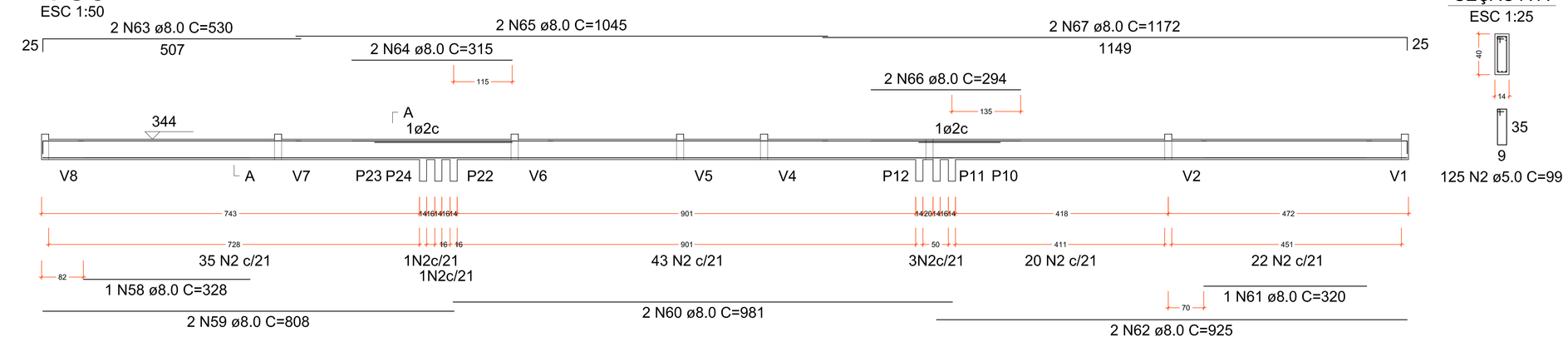
V28
ESC 1:50



V29
ESC 1:50



V30
ESC 1:50



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	V26	V27
V28	V29	V30

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	304	119	36176
	2	5.0	1095	99	108405
	3	5.0	2	174	348
CA50	4	6.3	5	74	370
	5	8.0	4	973	3892
	6	8.0	1	195	195
	7	8.0	4	1031	4124
	8	8.0	6	353	2118
	9	8.0	6	396	2376
	10	8.0	2	998	1996
	11	8.0	2	542	1084
	12	8.0	2	1031	2062
	13	8.0	2	229	458
	14	8.0	4	624	2496
	15	8.0	2	200	400
	16	8.0	4	680	2720
	17	8.0	2	190	380
	18	8.0	4	968	3872
	19	8.0	1	547	547
	20	8.0	4	1011	4044
	21	8.0	2	189	378
	22	8.0	2	245	490
	23	8.0	2	170	340
	24	8.0	2	1056	2112
	25	8.0	4	1172	4688
	26	8.0	2	583	1166
	27	8.0	2	923	1846
	28	8.0	2	1035	2070
	29	8.0	2	915	1830
	30	8.0	2	928	1856
	31	8.0	2	817	1634
	32	8.0	2	944	1888
	33	8.0	2	365	730
	34	8.0	6	1200	7200
	35	8.0	4	358	1432
	36	8.0	2	871	1742
	37	8.0	2	174	348
	38	8.0	6	284	1704
	39	8.0	4	330	1320
	40	8.0	4	350	1400
	41	8.0	4	380	1520
	42	8.0	2	1193	2386
	43	8.0	2	446	892
	44	8.0	2	1014	2028
	45	8.0	2	929	1858
	46	8.0	2	846	1692
	47	8.0	2	936	1872
	48	8.0	2	366	732
	49	8.0	2	377	754
	50	8.0	2	851	1702
	51	8.0	2	1138	2276
	52	8.0	2	542	1084
	53	8.0	2	1161	2322
	54	8.0	2	1180	2360
	55	8.0	2	779	1558
	56	8.0	1	205	205
	57	8.0	2	975	1950
	58	8.0	1	328	328
	59	8.0	2	808	1616
	60	8.0	2	981	1962
	61	8.0	1	320	320
	62	8.0	2	925	1850
	63	8.0	2	530	1060
	64	8.0	2	315	630
	65	8.0	2	1045	2090
	66	8.0	2	294	588
	67	8.0	2	1172	2344
	68	10.0	4	990	3960
	69	10.0	2	315	630
	70	10.0	4	1030	4120
	71	10.0	1	255	255
	72	10.0	2	963	1926
	73	10.0	2	433	866
	74	10.0	2	210	420
	75	10.0	2	588	1176
	76	10.0	4	907	3628
	77	10.0	2	398	796
	78	10.0	1	190	190
	79	10.0	2	563	1126
	80	10.0	2	949	1898
	81	10.0	2	265	530
	82	10.0	4	647	2588
	83	10.0	1	230	230
	84	10.0	4	689	2756
	85	10.0	2	300	600
	86	12.5	4	979	3916
	87	12.5	2	335	670
	88	12.5	4	1029	4116
	89	12.5	1	225	225

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	3.7	1
	8.0	1089.2	472.7
	10.0	276.9	187.8
	12.5	89.3	94.6
CA60	5.0	1449.3	245.7

PESO TOTAL (kg)	
CA50	756.2
CA60	245.7

Volume de concreto (C-25) = 19.48 m³
Área de forma = 323.92 m²

QUADRO DE REVISÕES

REV	DATA	DESCRIÇÃO	NOME
00	16.04.18	EMISSÃO INICIAL	

PREFEITURA DO MUNICÍPIO DE ARAUCÁRIA
SECRETARIA MUNICIPAL DE PLANEJAMENTO
SMPL

TÍTULO
CMEI Arvoredo

REFERÊNCIA
PROJETO ESTRUTURAL
Bloco Maternal e Pré Escola - Vigas 2-2

PROPRIETÁRIO: MUNICÍPIO DE ARAUCÁRIA
REPRESENTANTE LEGAL
RESP. TÉCNICO PELO PROJETO: Ewerton Francisco Stocco
CREA/CAU A 110.587-D/PR
RESP. TÉCNICO EXECUÇÃO: A SER DEFINIDO EM LICITAÇÃO
ESCALA: Indicado
DESENHO: Mattana
FOLHA: 14/17
BAIRRO: Capela Velha
ARQUIVO DIGITAL: Est-CMEI Arvoredo
DATA: Abril/18

A0 (1189x841mm)