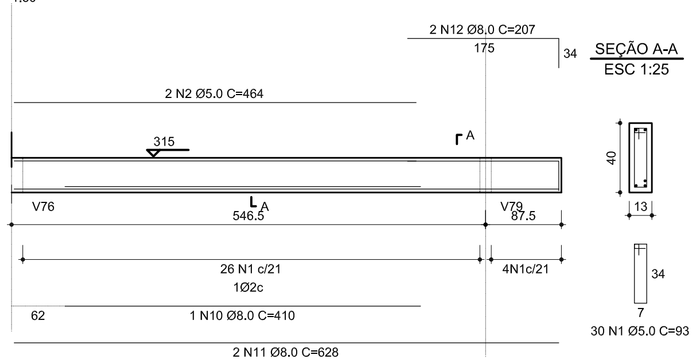
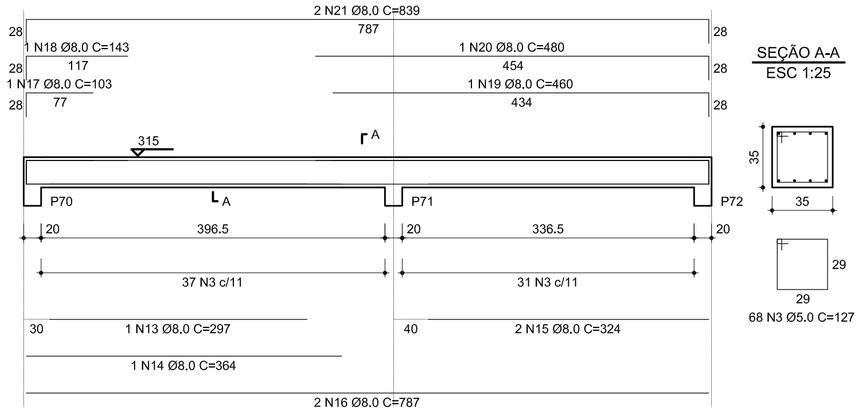
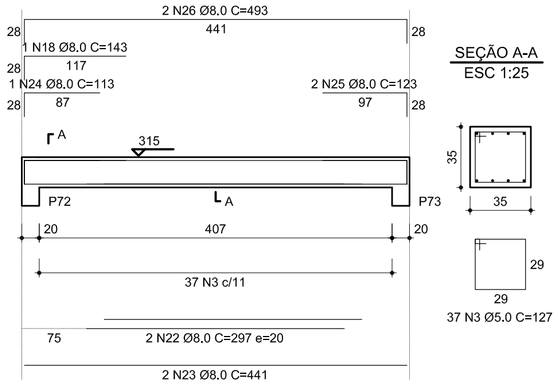
V51
1:50



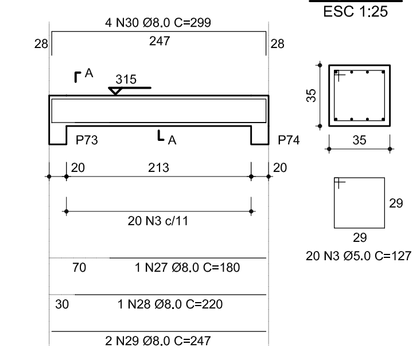
V52
1:50



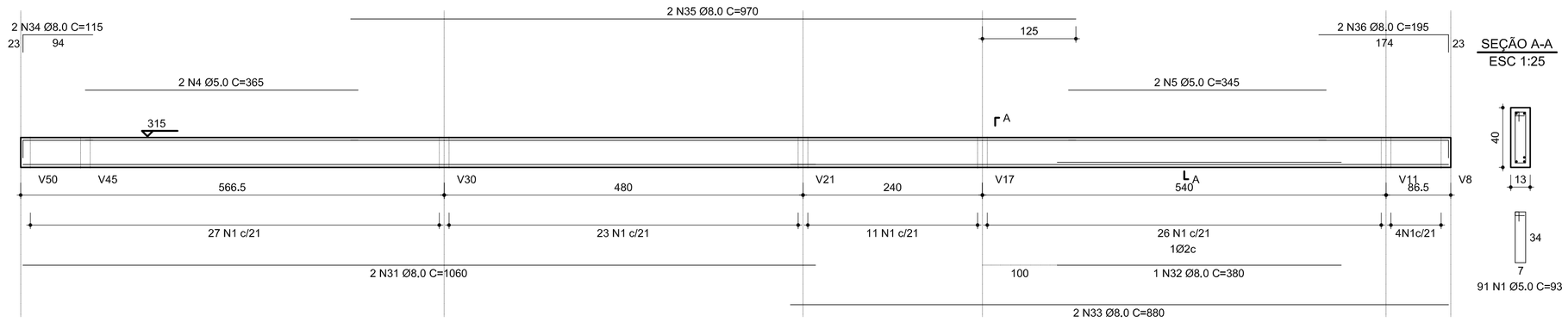
V53
1:50



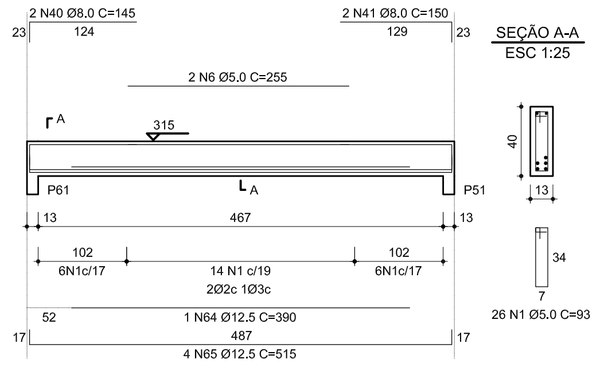
V54
1:50



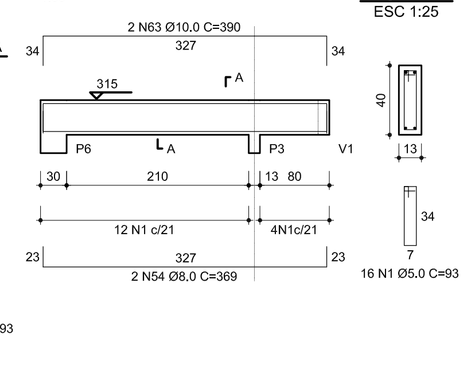
V55
1:50



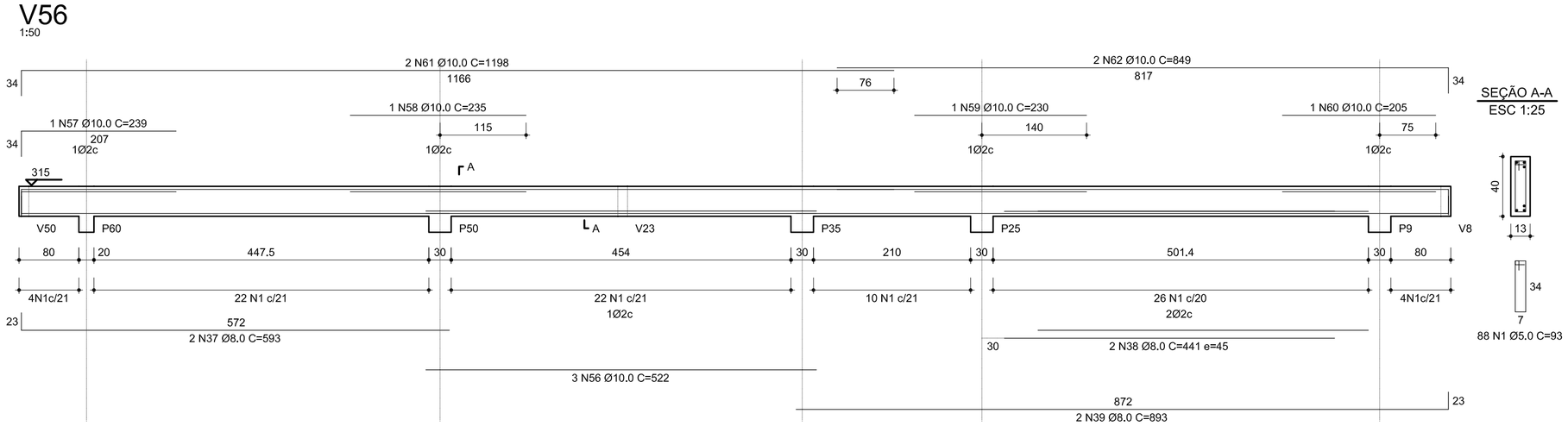
V57
1:50



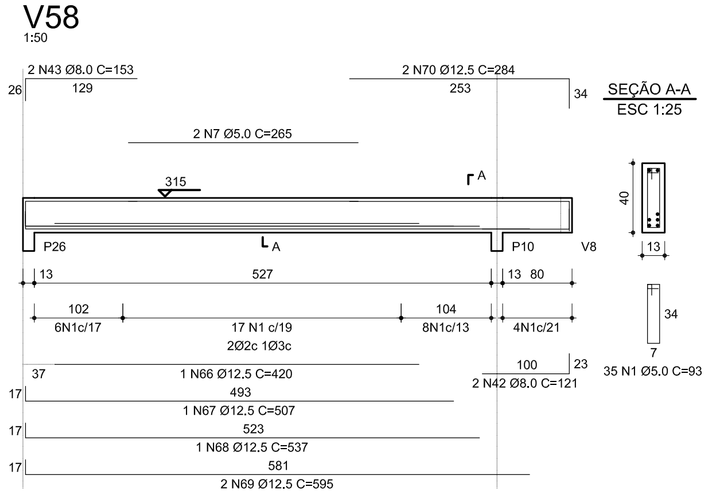
V68
1:50



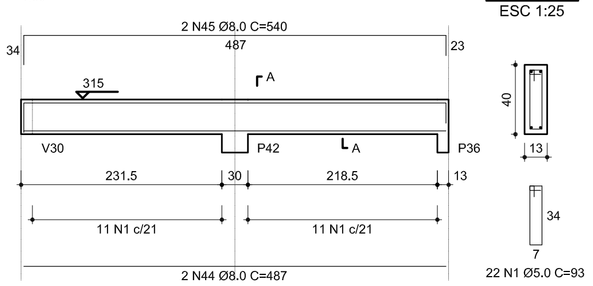
V56
1:50



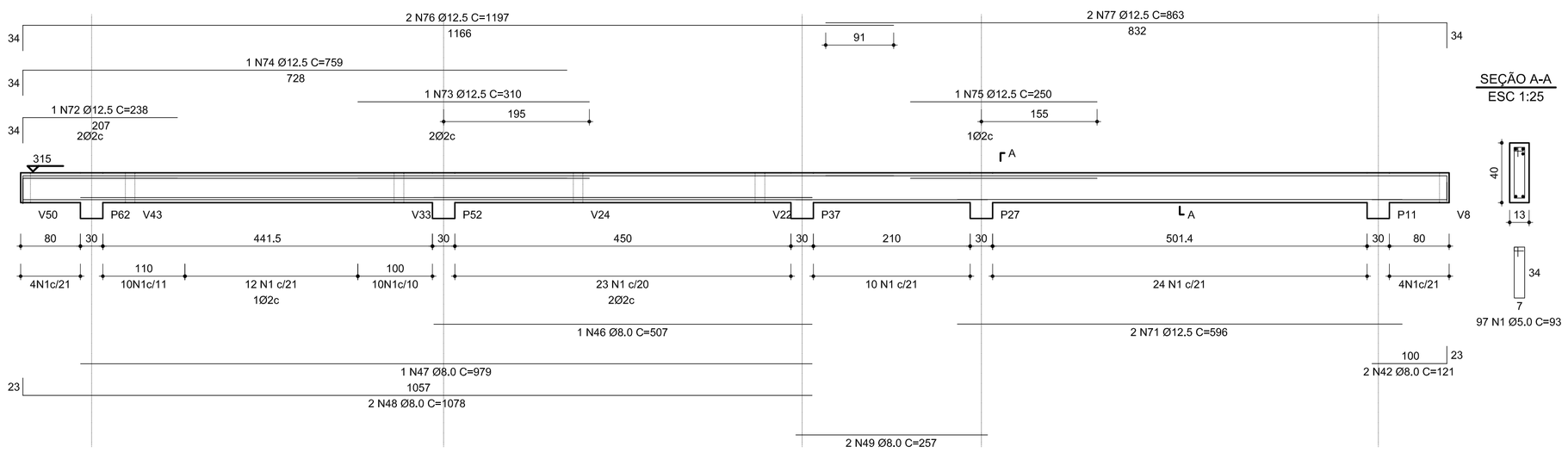
V58
1:50



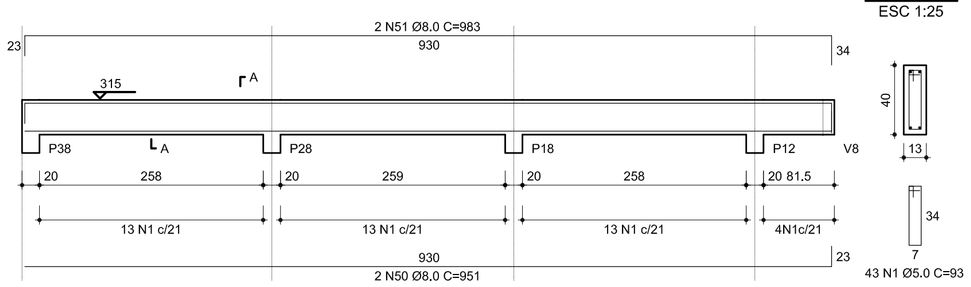
V59
1:50



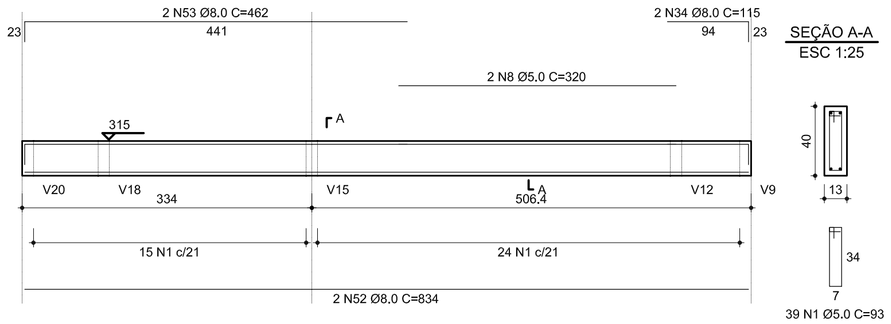
V60
1:50



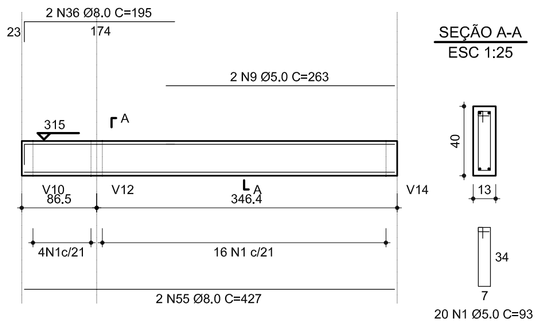
V61
1:50



V62
1:50



V78
1:50



RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
V51	60	1	5.0	30	93	2790
	60	2	5.0	2	464	928
	50	3	8.0	1	410	410
	50	4	8.0	2	628	1256
	50	5	8.0	2	207	414
V52	60	6	5.0	68	127	8636
	50	7	8.0	1	297	297
	50	8	8.0	1	364	364
	50	9	8.0	2	324	648
	50	10	8.0	2	787	1574
	50	11	8.0	1	103	103
	50	12	8.0	1	143	143
	50	13	8.0	1	460	460
	50	14	8.0	1	480	480
	50	15	8.0	2	839	1678
V53	60	16	5.0	37	127	4699
	50	17	8.0	2	297	594
	50	18	8.0	2	441	882
	50	19	8.0	1	113	113
	50	20	8.0	1	143	143
	50	21	8.0	2	123	246
	50	22	8.0	2	493	986
V54	60	23	5.0	20	127	2540
	50	24	8.0	1	180	180
	50	25	8.0	1	220	220
	50	26	8.0	2	247	494
	50	27	8.0	4	299	1196
V55	60	28	5.0	91	93	8463
	60	29	5.0	2	365	730
	60	30	5.0	2	345	690
	50	31	8.0	2	1060	2120
	50	32	8.0	1	380	380
	50	33	8.0	2	880	1760
	50	34	8.0	2	115	230
	50	35	8.0	2	970	1940
	50	36	8.0	2	195	390
V56	60	37	5.0	88	93	8184
	50	38	8.0	2	593	1186
	50	39	8.0	2	441	882
	50	40	8.0	2	893	1786
	50	41	10.0	3	522	1566
	50	42	10.0	1	239	239
	50	43	10.0	1	235	235
	50	44	10.0	1	230	230
	50	45	10.0	1	205	205
	50	46	10.0	2	1198	2396
	50	47	10.0	2	849	1698
V57	60	48	5.0	26	93	2418
	60	49	5.0	2	255	510
	50	50	8.0	2	145	290
	50	51	8.0	2	150	300
	50	52	12.5	1	390	390
	50	53	12.5	4	515	2060
V58	60	54	5.0	35	93	3255
	60	55	5.0	2	265	530
	50	56	8.0	2	121	242
	50	57	8.0	2	153	306
	50	58	12.5	1	420	420
	50	59	12.5	1	507	507
	50	60	12.5	1	537	537
	50	61	12.5	2	595	1190
	50	62	12.5	2	284	568
V59	60	63	5.0	22	93	2046
	50	64	8.0	2	487	974
	50	65	8.0	2	540	1080
V60	60	66	5.0	97	93	9021
	50	67	8.0	1	507	507
	50	68	8.0	1	979	979
	50	69	8.0	2	1078	2156
	50	70	8.0	2	257	514
	50	71	8.0	2	121	242
	50	72	12.5	2	596	1192
	50	73	12.5	1	238	238
	50	74	12.5	1	310	310
	50	75	12.5	1	759	759
	50	76	12.5	1	250	250
	50	77	12.5	2	1197	2394
	50	78	12.5	2	863	1726
V61	60	79	5.0	43	93	3999
	50	80	8.0	2	951	1902
	50	81	8.0	2	983	1966
V62	60	82	5.0	39	93	3627
	60	83	5.0	2	320	640
	50	84	8.0	2	834	1668
	50	85	8.0	2	462	924
	50	86	8.0	2	115	230
V68	60	87	5.0	16	93	1488
	50	88	8.0	2	369	738
	50	89	10.0	2	390	780
V78	60	90	5.0	20	93	1860
	60	91	5.0	2	263	526
	50	92	8.0	2	427	854
	50	93	8.0	2	195	390

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	8.0	398.3	172.9
	10.0	73.5	49.8
	12.5	125.4	132.9
CA60	5.0	678.9	115.1
PESO TOTAL			
CA50	355.6		
CA60	115.1		

Vol. concreto total = 7.31 m³
Área de forma total = 113.65 m²

Ministério da Educação

FNDE Fundo Nacional de Desenvolvimento da Educação

PROINFÂNCIA - ESPAÇO EDUCATIVO INFANTIL

ENDEREÇO:

MUNICÍPIO - UF:

PROPRIETÁRIO: FUNDO NACIONAL DE DESENVOLVIMENTO DA EDUCAÇÃO - FNDE

AUTORES DO PROJETO :

RESPONSÁVEL TÉCNICO:

PROPRIETÁRIO

AUTOR DO PROJETO CREA/

AUTOR DO PROJETO CREA/

RESP. TÉCNICO CREA

DLFO

CREA

RA

PROJETO TIPO C

PROJETO ESTRURUTAL

COORDENAÇÃO
CGEST - Coordenação Geral de Infra-estrutura

DESENHO

VIGAS DE COBERTURA
PRANCHA 04

ES

REVISÃO
R.00
R.00
R.00

ESCALA
INDICADA

DATA EMISSÃO
MAR/2010

PRANCHA
16/21