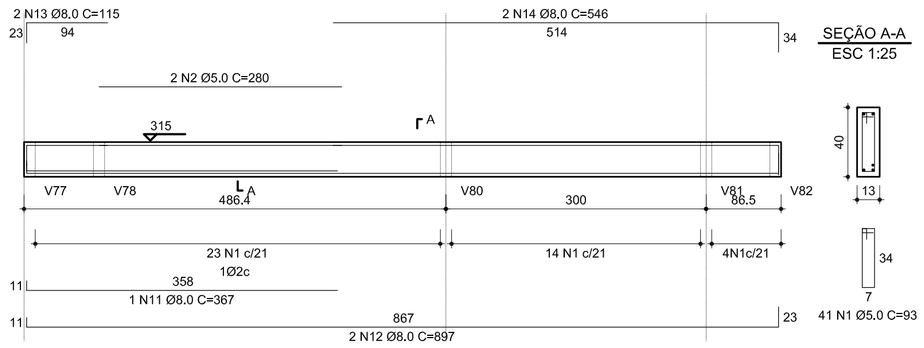
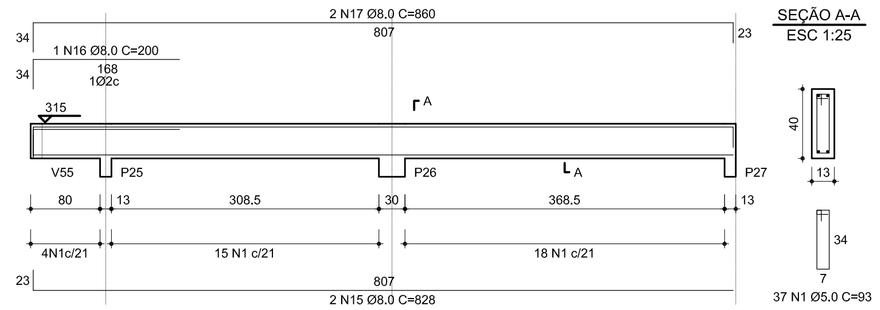
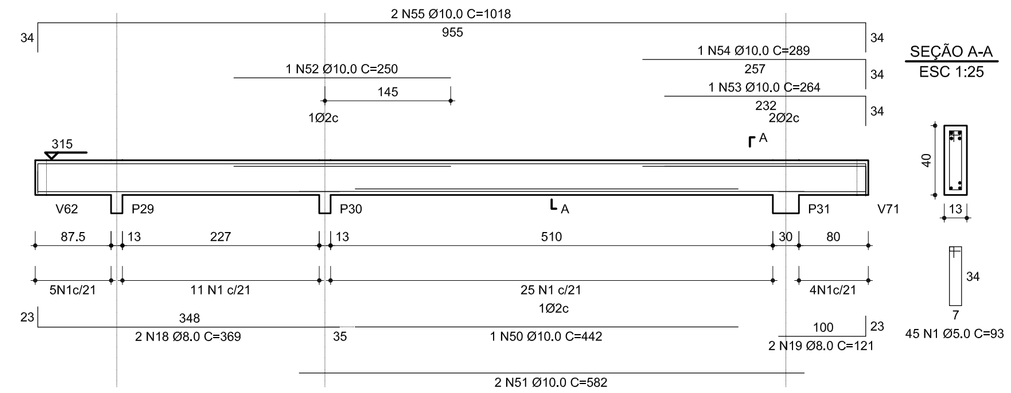
V14
1:50



V17
1:50



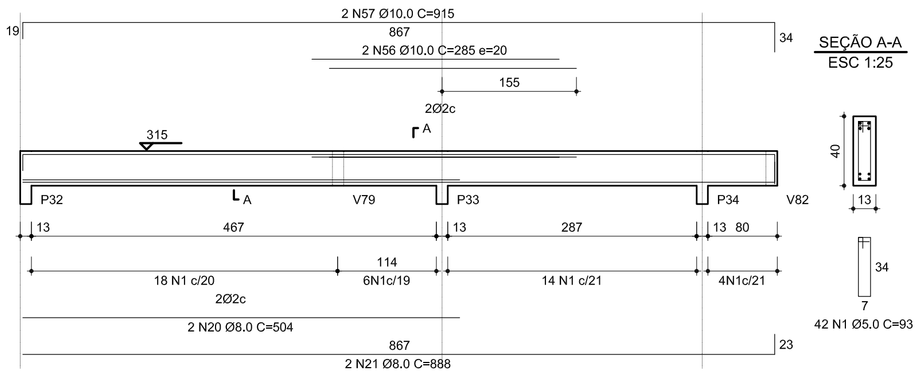
V18
1:50



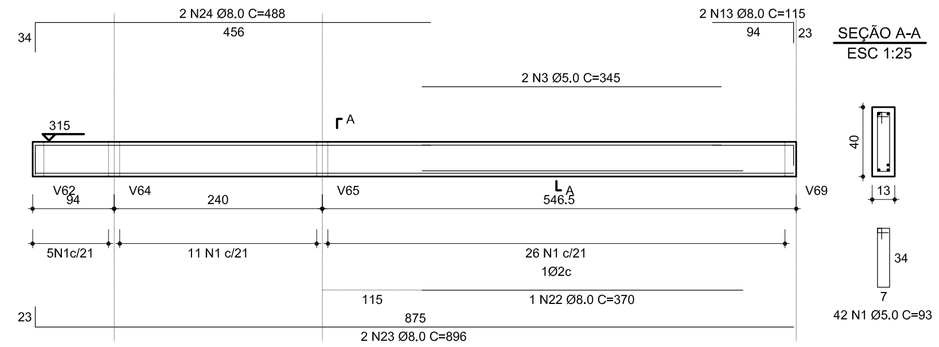
RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
V14	60	1	5.0	41	93	3813
	60	2	5.0	2	280	560
	50	3	8.0	1	367	367
	50	4	8.0	2	897	1794
	50	5	8.0	2	115	230
	50	6	8.0	2	546	1092
V17	60	7	5.0	37	93	3441
	50	8	8.0	2	828	1656
	50	9	8.0	1	200	200
	50	10	8.0	2	860	1720
V18	60	11	5.0	45	93	4185
	50	12	8.0	2	369	738
	50	13	8.0	2	121	242
	50	14	10.0	1	442	442
	50	15	10.0	2	582	1164
	50	16	10.0	1	250	250
	50	17	10.0	1	264	264
	50	18	10.0	1	289	289
	50	19	10.0	2	1018	2036
V19	60	20	5.0	42	93	3906
	50	21	8.0	2	504	1008
	50	22	8.0	2	888	1776
	50	23	10.0	2	285	570
	50	24	10.0	2	915	1830
V20	60	25	5.0	42	93	3906
	60	26	5.0	2	345	690
	50	27	8.0	1	370	370
	50	28	8.0	2	896	1792
	50	29	8.0	2	488	976
	50	30	8.0	2	115	230
V21	60	31	5.0	37	93	3441
	50	32	8.0	1	335	335
	50	33	8.0	2	828	1656
	50	34	8.0	1	615	615
	50	35	8.0	2	860	1720
V22	60	36	5.0	63	93	5859
	50	37	8.0	2	920	1840
	50	38	8.0	2	475	950
	50	39	8.0	2	1198	2396
	50	40	8.0	2	274	548
V24	60	41	5.0	60	93	5580
	50	42	8.0	2	809	1618
	50	43	10.0	3	527	1581
	50	44	10.0	2	290	580
	50	45	10.0	2	1164	2328
	50	46	10.0	2	211	422
V25	60	47	5.0	20	93	1860
	50	48	6.3	1	70	70
	50	49	8.0	2	445	890
	50	50	8.0	1	123	123
	50	51	8.0	2	479	958
V26	60	52	5.0	61	93	5673
	50	53	8.0	1	442	442
	50	54	8.0	2	800	1600
	50	55	8.0	1	395	395
	50	56	8.0	2	548	1096
	50	57	8.0	1	120	120
	50	58	8.0	1	235	235
	50	59	8.0	1	1005	1005
	50	60	8.0	2	1193	2386
	50	61	8.0	2	209	418
V27	60	62	5.0	20	97	1940
	60	63	5.0	2	250	500
	50	64	8.0	2	427	854
	50	65	8.0	4	124	496
V28	60	66	5.0	24	93	2232
	60	67	5.0	2	340	680
	50	68	8.0	2	507	1014
	50	69	8.0	4	115	460
V29	60	70	5.0	20	99	1980
	60	71	5.0	2	427	854
	50	72	8.0	2	427	854
V30	60	73	5.0	37	93	3441
	50	74	8.0	2	828	1656
	50	75	8.0	1	205	205
	50	76	8.0	1	245	245
	50	77	8.0	2	860	1720
V37	60	78	5.0	20	99	1980
	60	79	5.0	2	333	666
	50	80	8.0	2	427	854
	50	81	8.0	2	131	262

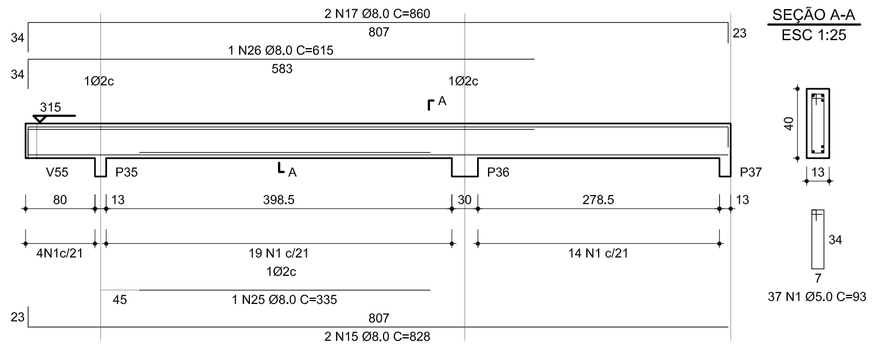
V19
1:50



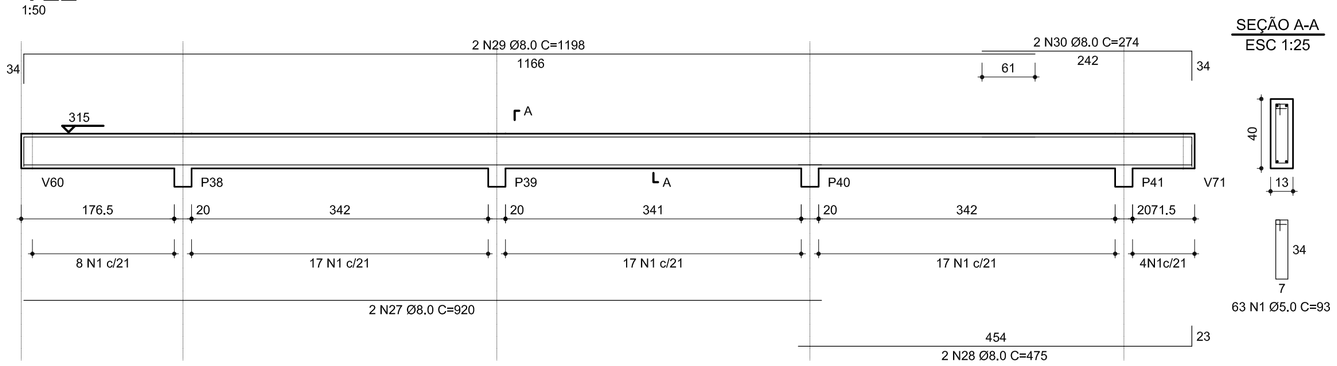
V20
1:50



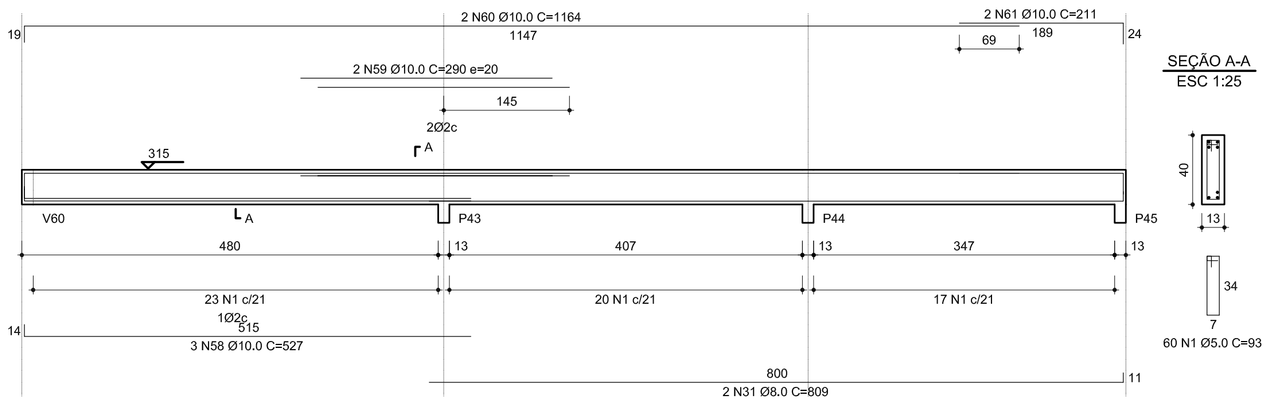
V21
1:50



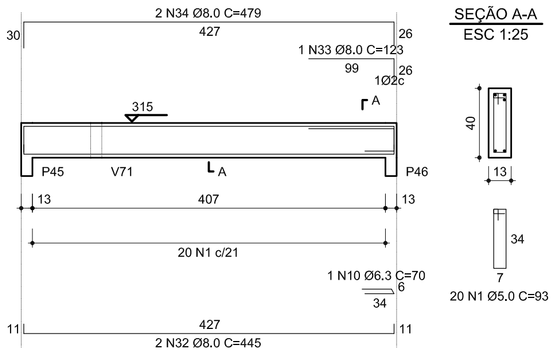
V22
1:50



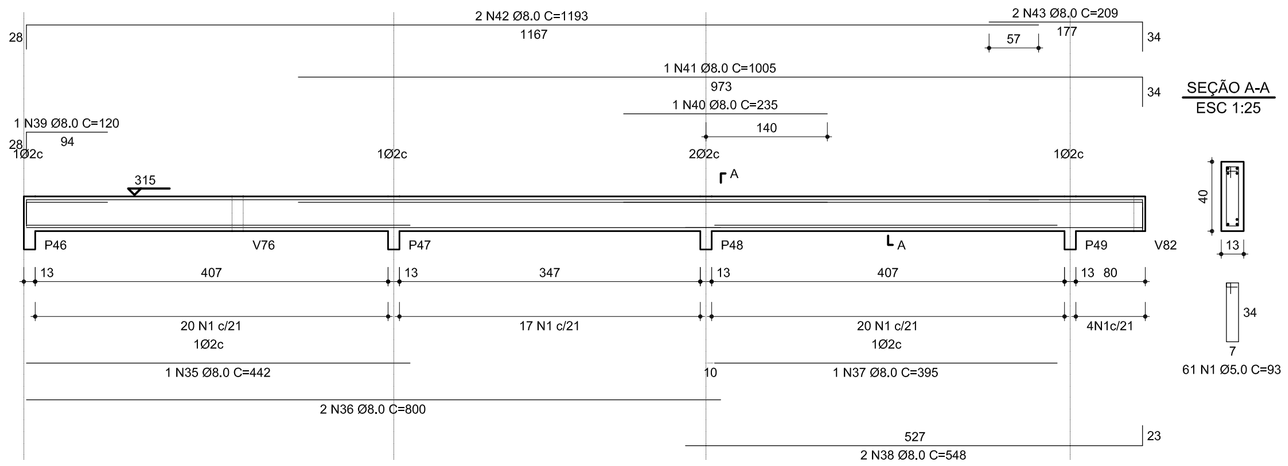
V24
1:50



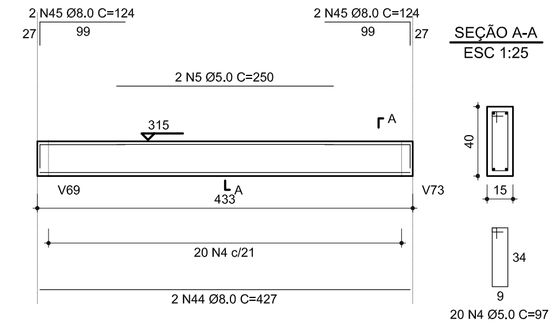
V25
1:50



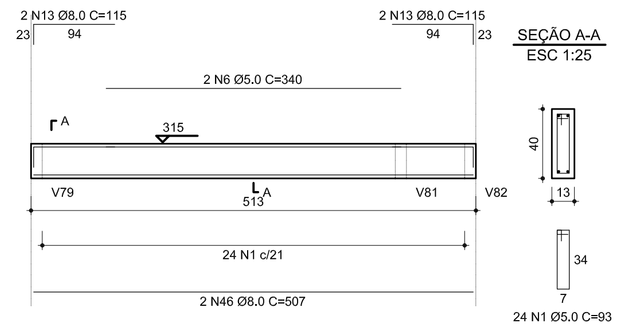
V26
1:50



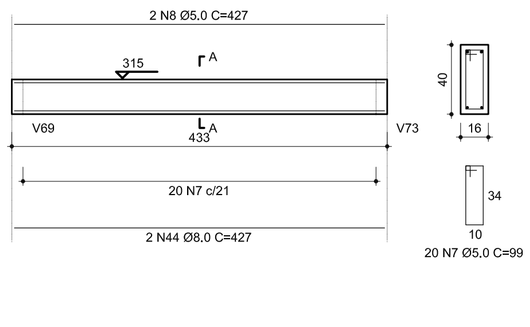
V27
1:50



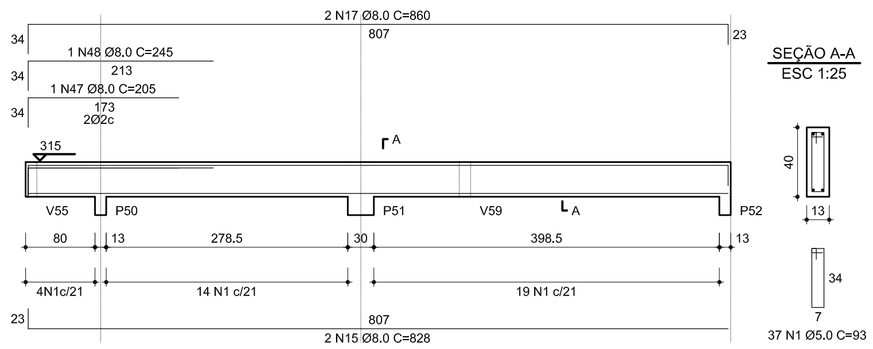
V28
1:50



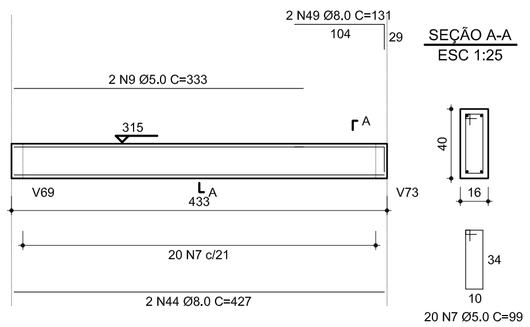
V29
1:50



V30
1:50



V37
1:50



RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	0.7	0.2
	8.0	441.7	191.7
	10.0	117.6	79.7
CA60	5.0	574.7	97.4
PESO TOTAL			
CA50	271.6		
CA60	97.4		

Vol. concreto total = 6.48 m³
Area de forma total = 113.71 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

VIGAS DE COBERTURA
PRANCHA 02

ES

DESENHO

REVISÃO R.00 R.00 R.00

ESCALA INDICADA

DATA EMISSÃO MAR/2010

PRANCHA 14/21