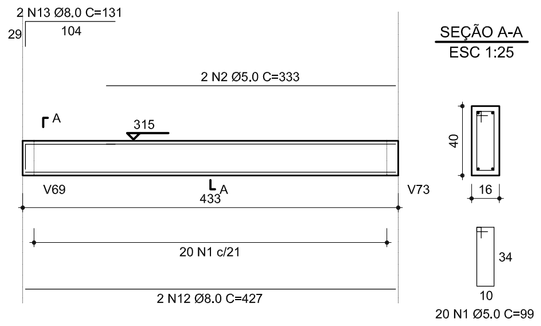
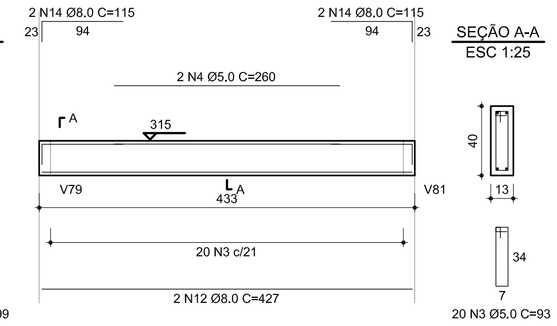
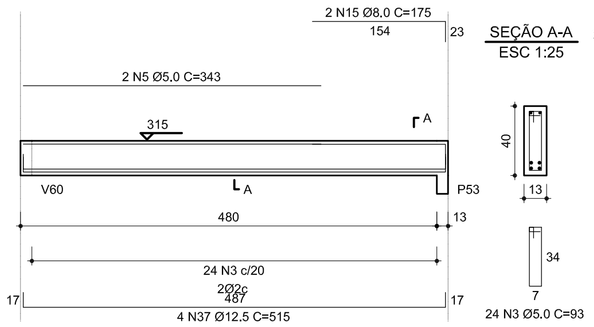
V31
1:50



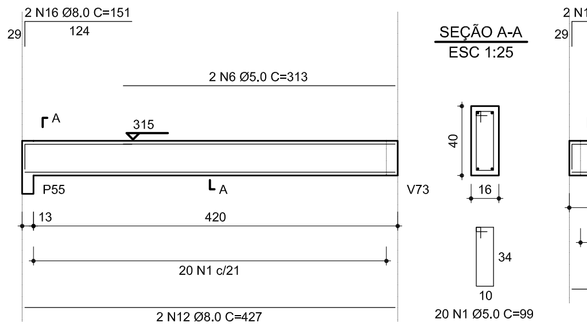
V32
1:50



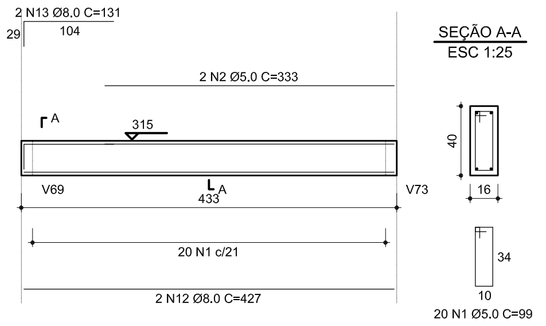
V33
1:50



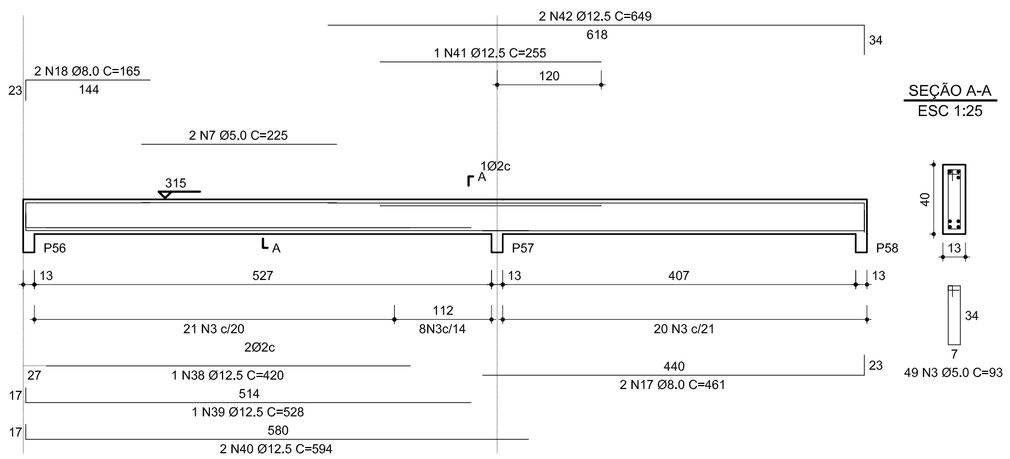
V34
1:50



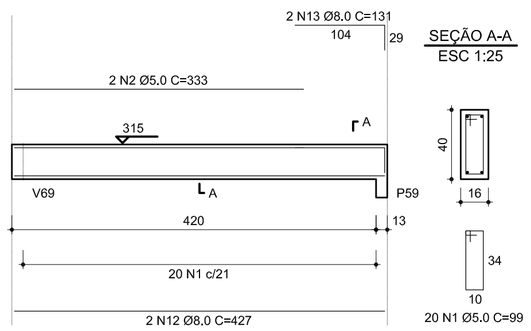
V35
1:50



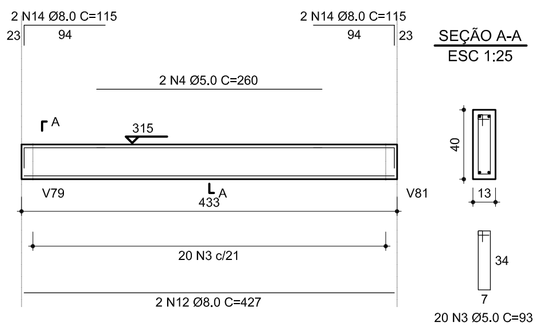
V36
1:50



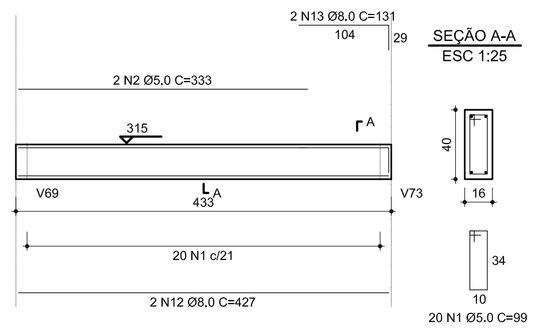
V38
1:50



V39
1:50



V40
1:50



V41
1:50

V42
1:50

V43
1:50

V44
1:50

V47
1:50

V45
1:50

V46
1:50

V49
1:50

V48
1:50

V50
1:50

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
V31	60	1	5.0	20	99	1980
	60	2	5.0	2	333	666
	50	3	8.0	2	427	854
	50	4	8.0	2	131	262
V32	60	5	5.0	20	93	1860
	60	6	5.0	2	260	520
	50	7	8.0	2	427	854
	50	8	8.0	4	115	460
V33	60	9	5.0	24	93	2232
	60	10	5.0	2	343	686
	50	11	8.0	2	175	350
	50	12	12.5	4	515	2060
V34	60	13	5.0	20	99	1980
	60	14	5.0	2	313	626
	50	15	8.0	2	427	854
	50	16	8.0	2	151	302
V35	60	17	5.0	20	99	1980
	60	18	5.0	2	333	666
	50	19	8.0	2	427	854
	50	20	8.0	2	131	262
V36	60	21	5.0	49	93	4557
	60	22	5.0	2	225	450
	60	23	8.0	2	461	922
	50	24	8.0	2	165	330
	50	25	12.5	1	420	420
	50	26	12.5	1	528	528
	50	27	12.5	2	594	1188
	50	28	12.5	1	255	255
	50	29	12.5	2	649	1298
V38	60	30	5.0	20	99	1980
	60	31	5.0	2	333	666
	50	32	8.0	2	427	854
	50	33	8.0	2	131	262
V39	60	34	5.0	20	93	1860
	60	35	5.0	2	260	520
	50	36	8.0	2	427	854
	50	37	8.0	4	115	460
V40	60	38	5.0	20	99	1980
	60	39	5.0	2	333	666
	50	40	8.0	2	427	854
	50	41	8.0	2	131	262
V41	60	42	5.0	20	99	1980
	60	43	5.0	2	333	666
	50	44	8.0	2	427	854
	50	45	8.0	2	131	262
V42	60	46	5.0	20	93	1860
	60	47	5.0	2	260	520
	50	48	8.0	2	427	854
	50	49	8.0	4	115	460
V43	60	50	5.0	24	93	2232
	60	51	5.0	2	487	974
	50	52	12.5	4	515	2060
V44	60	53	5.0	20	99	1980
	60	54	5.0	2	240	480
	50	55	8.0	2	427	854
	50	56	8.0	4	131	524
V45	60	57	5.0	37	93	3441
	50	58	8.0	2	828	1656
	50	59	8.0	2	860	1720
V46	60	60	5.0	37	93	3441
	50	61	8.0	2	787	1574
	50	62	8.0	2	829	1658
V47	60	63	5.0	20	99	1980
	50	64	8.0	2	427	854
	50	65	8.0	2	481	962
V48	60	66	5.0	58	93	5394
	50	67	8.0	2	432	864
	50	68	8.0	2	809	1618
	50	69	8.0	2	440	880
	50	70	10.0	1	235	235
	50	71	10.0	1	215	215
	50	72	10.0	2	1119	2238
	50	73	10.0	2	207	414
V49	60	74	5.0	20	99	1980
	60	75	5.0	2	240	480
	50	76	8.0	2	427	854
	50	77	8.0	4	131	524
V50	60	78	5.0	61	93	5673
	60	79	5.0	2	410	820
	60	80	5.0	2	268	536
	50	81	8.0	1	765	765
	50	82	8.0	2	847	1694
	50	83	8.0	2	504	1008
	50	84	8.0	2	226	452
	50	85	10.0	1	220	220
	50	86	10.0	2	445	890

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	8.0	307.5	133.5
	10.0	42.1	28.6
	12.5	78.1	82.8
CA60	5.0	605.7	102.7
PESO TOTAL			
CA50	244.8		
CA60	102.7		

Vol. concreto total = 6,33 m³
Área de forma total = 105,94 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 03

ES

REVISÃO
R.00
R.00
R.00

ESCALA
INDICADA

DATA EMISSÃO
MAR/2010

PRANCHA
15/21