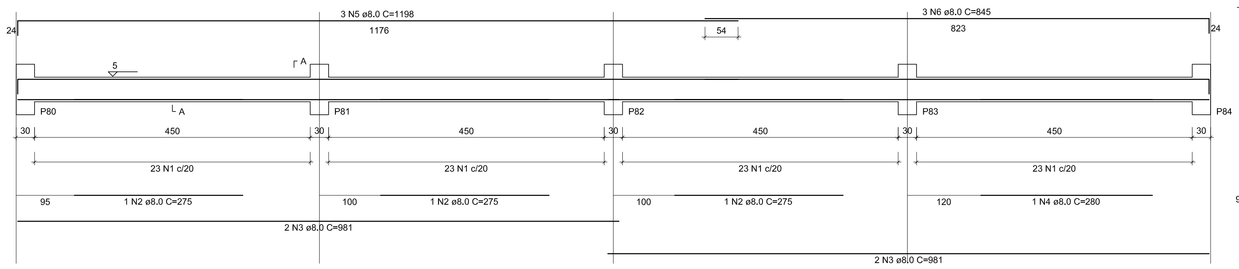
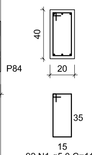
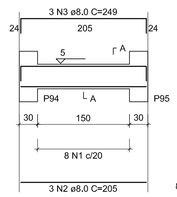
VB33
1:50



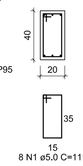
SEÇÃO A-A
ESC 1:25



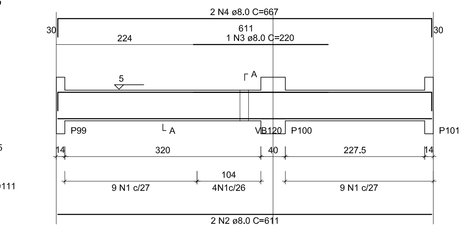
VB37
1:50



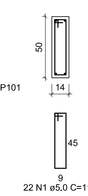
SEÇÃO A-A
ESC 1:25



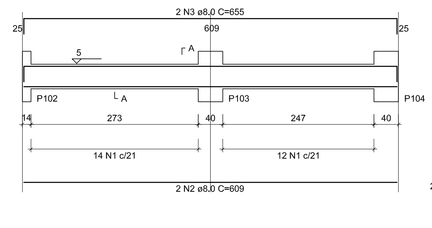
VB39
1:50



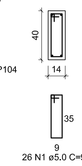
SEÇÃO A-A
ESC 1:25



VB40
1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

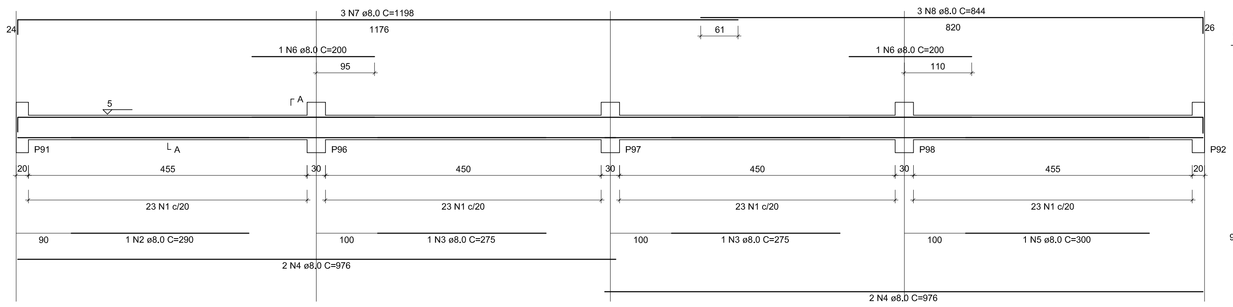
ELEMENTO	AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VB33	60	1	5,0	92	111	10212
	50	2	8,0	3	275	825
	50	3	8,0	4	981	3924
	50	4	8,0	1	280	280
	50	5	8,0	3	1198	3594
	50	6	8,0	3	845	2535
VB37	60	1	5,0	8	111	888
	50	2	8,0	3	205	615
	50	3	8,0	3	249	747
VB38	60	1	5,0	92	111	10212
	50	2	8,0	1	290	290
	50	3	8,0	2	275	550
	50	4	8,0	4	976	3904
	50	5	8,0	1	300	300
	50	6	8,0	2	200	400
	50	7	8,0	3	1198	3594
	50	8	8,0	3	844	2532
VB39	60	1	5,0	22	119	2618
	50	2	8,0	2	611	1222
	50	3	8,0	1	220	220
	50	4	8,0	2	667	1334
VB40	60	1	5,0	26	99	2574
	50	2	8,0	2	609	1218
	50	3	8,0	2	655	1310
VB41	60	1	5,0	26	99	2574
	50	2	8,0	2	609	1218
VB42	50	3	8,0	2	655	1310
	60	1	5,0	40	99	3960
	50	2	8,0	1	389	389
	50	3	8,0	2	909	1818
	50	4	8,0	1	180	180
	50	5	8,0	1	533	533
	50	6	8,0	2	955	1910
VB43	60	1	5,0	19	99	1881
	50	2	8,0	2	429	858
	50	3	8,0	2	485	970
VB44	60	1	5,0	8	99	792
	50	2	8,0	2	189	378
	50	3	8,0	2	235	470
VB45	60	1	5,0	8	99	792
	50	2	8,0	2	215	430
	50	3	8,0	2	276	552
VB46	60	1	5,0	7	99	693
	50	2	8,0	2	189	378
	50	3	8,0	2	235	470
VB47	60	1	5,0	8	99	792
	50	2	8,0	2	189	378
VB48	60	1	5,0	11	99	1089
	50	2	8,0	2	249	498
	50	3	8,0	2	295	590
VB49	60	1	5,0	39	99	3861
	50	2	8,0	1	133	133
	50	3	8,0	2	849	1698
	50	4	8,0	1	175	175
	50	5	8,0	11	895	1790
VB50	60	1	5,0	11	99	1089
	60	2	5,0	2	249	498
	50	3	8,0	2	249	498
VB51	60	1	5,0	17	99	1683
	50	2	8,0	1	349	698
	50	3	8,0	2	305	610
VB52	60	1	5,0	6	99	594
	60	2	5,0	2	129	258
VB53	50	3	8,0	2	129	258
	60	1	5,0	43	99	4257
	50	2	8,0	1	167	167
	50	3	8,0	2	969	1938
	50	4	8,0	2	1015	2030
VB54	60	1	5,0	27	99	2673
	50	2	8,0	2	609	1218
	50	3	8,0	1	215	215
	50	4	8,0	2	655	1310
VB55	60	1	5,0	24	99	2376
	50	2	8,0	2	609	1218
	50	3	8,0	2	655	1310
VB56	60	1	5,0	8	99	792
	50	2	8,0	2	189	378
	50	3	8,0	2	245	490
VB57	60	1	5,0	8	99	792
	50	2	8,0	2	189	378
	50	3	8,0	2	235	470
VB58	60	1	5,0	27	99	2673
	50	2	8,0	2	609	1218
	50	3	8,0	2	665	1330
VB59	60	1	5,0	45	99	4455
	50	2	8,0	2	969	1938
	50	3	8,0	1	150	150
	50	4	8,0	2	1019	2038
VB60	60	1	5,0	46	99	4554
	50	2	6,3	1	74	74
	50	3	8,0	2	1004	2008
	50	4	8,0	1	195	195
	50	5	8,0	1	659	659
	50	6	8,0	2	1051	2102
VB61	60	1	5,0	44	99	4356
	50	2	6,3	1	74	74
	50	3	8,0	2	978	1956
	50	4	8,0	1	195	195
	50	5	8,0	1	610	610
	50	6	8,0	2	1022	2044
VB62	60	1	5,0	37	99	3663
	50	2	8,0	2	872	1744
	50	3	8,0	1	642	642
	50	4	8,0	2	902	1804
VB63	60	1	5,0	13	99	1287
	50	2	8,0	2	309	618
	50	3	8,0	2	370	740
VB64	60	1	5,0	40	99	3960
	50	2	8,0	2	872	1744
VB65	50	3	8,0	2	905	1810
	60	1	5,0	32	99	3168
	50	2	8,0	2	729	1458
VB66	50	3	8,0	2	775	1550
	60	1	5,0	31	99	3069
	50	2	8,0	2	729	1458
VB67	50	3	8,0	2	778	1556
	60	1	5,0	52	111	5772
	50	2	8,0	1	290	290
VB68	50	3	8,0	1	300	300
	50	4	8,0	2	1105	2210
VB69	50	5	10,0	1	188	188
	60	1	10,0	2	1160	2320
VB78	60	1	5,0	40	99	3960
	50	2	8,0	2	872	1744
	50	3	8,0	2	905	1810
	50	4	8,0	2	969	1938
	50	5	8,0	2	1038	2038

RESUMO DO AÇO

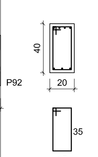
AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6,3	1,5	0,4
	8,0	1001,3	435,2
	10,0	25,1	17,0
CA60	5,0	1007,3	170,6
PESO TOTAL			
CA50	452,7		
CA60	170,6		

Vol. de concreto total =13,63 m³
Área de forma total = 210,79 m²

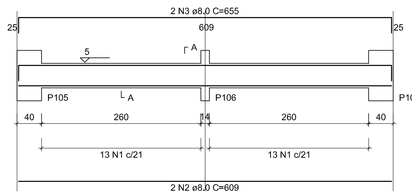
VB38
1:50



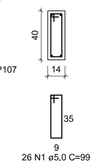
SEÇÃO A-A
ESC 1:25



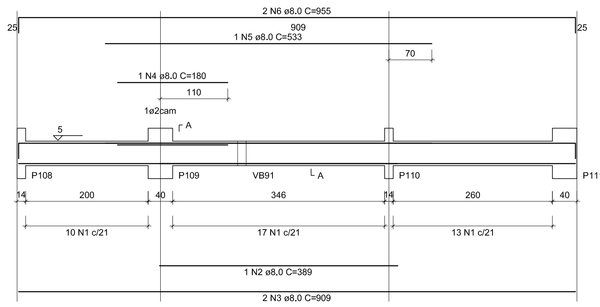
VB41
1:50



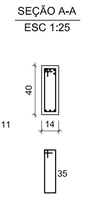
SEÇÃO A-A
ESC 1:25



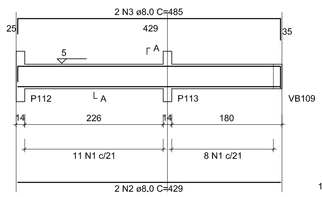
VB42
1:50



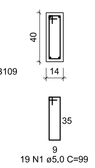
SEÇÃO A-A
ESC 1:25



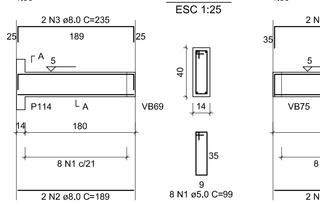
VB43
1:50



SEÇÃO A-A
ESC 1:25

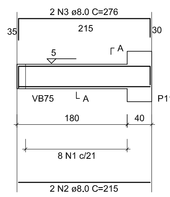


VB44
1:50

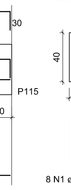


SEÇÃO A-A
ESC 1:25

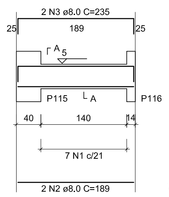
VB45
1:50



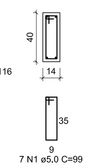
SEÇÃO A-A
ESC 1:25



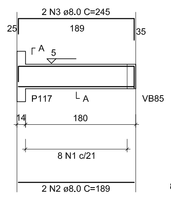
VB46
1:50



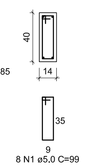
SEÇÃO A-A
ESC 1:25



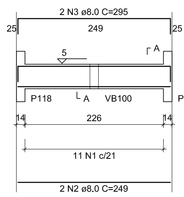
VB47
1:50



SEÇÃO A-A
ESC 1:25

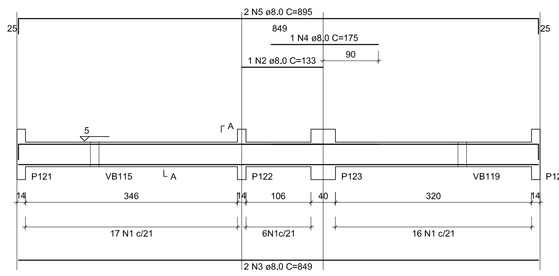


VB48
1:50

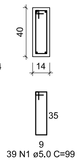


SEÇÃO A-A
ESC 1:25

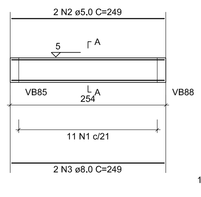
VB49
1:50



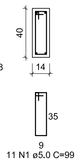
SEÇÃO A-A
ESC 1:25



VB50
1:50



SEÇÃO A-A
ESC 1:25



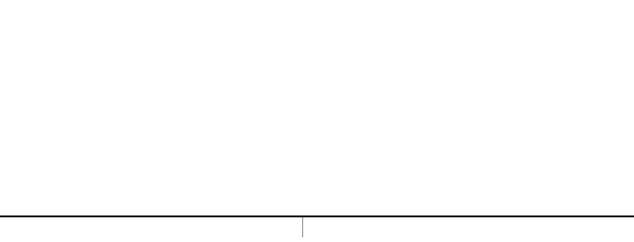
VB51
1:50

SEÇÃO A-A
ESC 1:25

VB52
1:50

SEÇÃO A-A
ESC 1:25

VB53
1:50



SEÇÃO A-A
ESC 1:25

VB54
1:50

SEÇÃO A-A
ESC 1:25

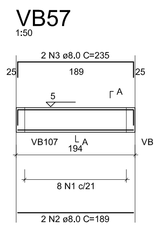
VB55
1:50

SEÇÃO A-A
ESC 1:25

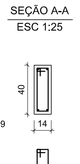
VB56
1:50

SEÇÃO A-A
ESC 1:25

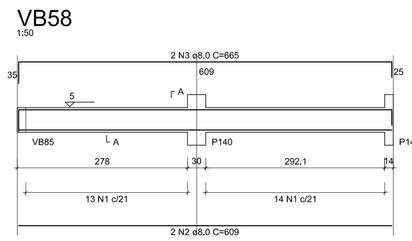
VB57
1:50



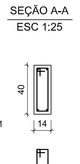
SEÇÃO A-A
ESC 1:25



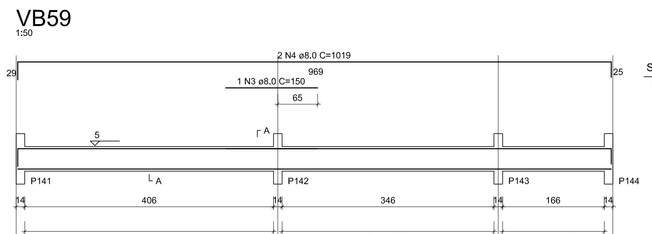
VB58
1:50



SEÇÃO A-A
ESC 1:25

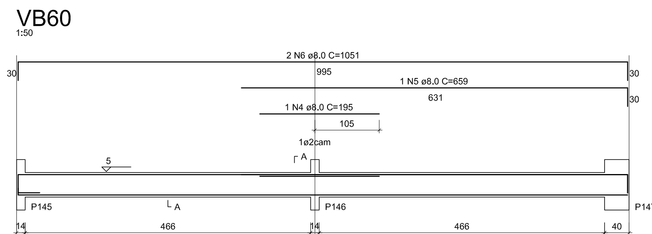


VB59
1:50

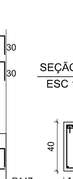


SEÇÃO A-A
ESC 1:25

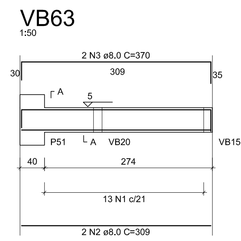
VB60
1:50



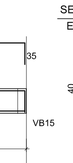
SEÇÃO A-A
ESC 1:25



VB63
1:50



SEÇÃO A-A
ESC 1:25



VB61
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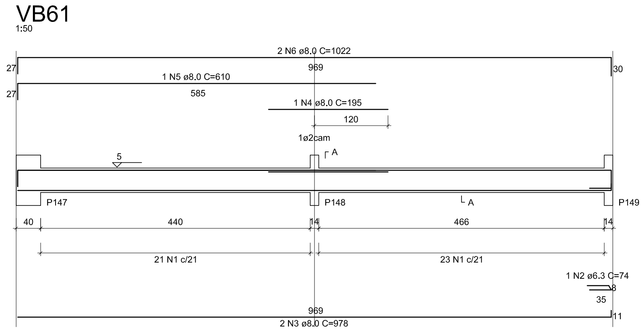
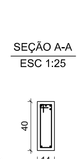
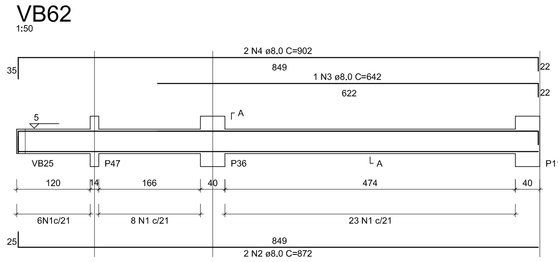


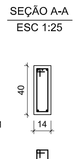
SEÇÃO A-A
ESC 1:25



VB62
1:50



SEÇÃO A-A
ESC 1:25



VB64
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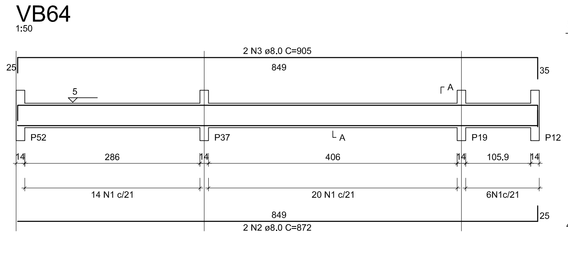
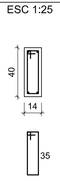
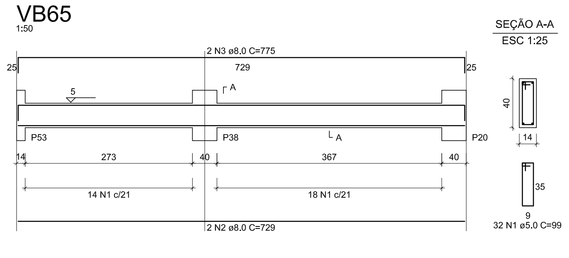


SEÇÃO A-A
ESC 1:25

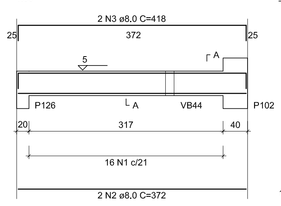


VB65
1:50

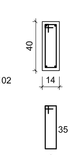


SEÇÃO A-A
ESC 1:25

VB69
1:50



SEÇÃO A-A
ESC 1:25



VB78
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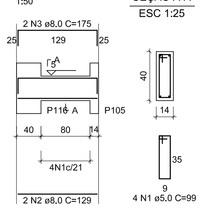
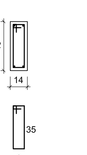


SEÇÃO A-A
ESC 1:25



VB66
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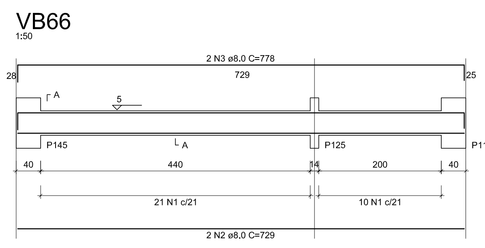
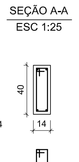
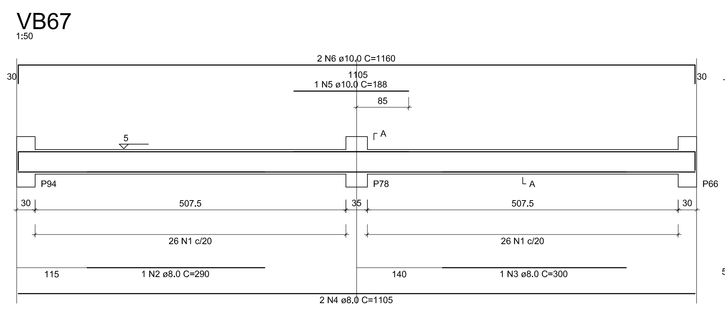


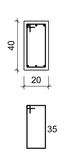
SEÇÃO A-A
ESC 1:25



VB67
1:50



SEÇÃO A-A
ESC 1:25



VB68
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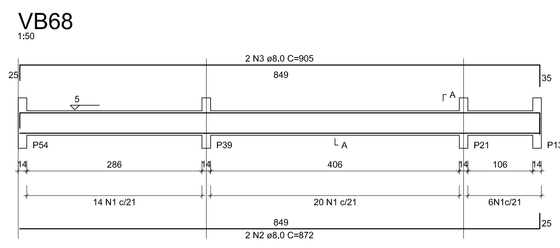
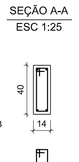


SEÇÃO A-A
ESC 1:25



ESCALA DE PLOTAGEM 1:0,1

CÓD./COR	PENA	Esp.
1,	7	0,13
2,	7	0,20
3,	7	0,30
4,	7	0,35
5,	7	0,40
6,	7	0,60
7,	7	0,80
8,	9	0,20
9,	9	0,20
10,	252	0,20
11,	252	0,20
22,	7	0,25
31,	7	0,10
42,	7	0,25
51,	7	0,25
52,	7	0,25
61,	252	0,20
62,	7	0,20
63,	7	0,20
71,	7	0,20
151,	7	0,15
154,	7	0,15
156,	7	0,25
162,	7	0,25

NOTAS – PROJETO DE ESTRUTURAS/FUNDAÇÕES

01 - QUALQUER MODIFICAÇÃO DO PROJETO DEVE SER FEITA MEDIANTE AVALIAÇÃO DOS AUTORES DO PROJETO;

02 - TODOS AS DIMENSÕES EM cm, SALVO REFERÊNCIA EM PLANTA;

03 - CONCRETO Fck=25 MPa PARA BLOCOS DE COROAMENTO, VIGAS, PILARES E LAJES;

04 - Fck = 20 MPa PARA AS FUNDAÇÕES;

05 - DEVE-SE FAZER CONTROLE TECNOLÓGICO DO CONCRETO UTILIZADO;

06 - RECOBRIMENTO DAS ARMADURAS:
PILARES = 2,5cm
VIGAS = 2,5cm
LAJES = 2,0cm
BLOCOS = 3 cm
ESTACAS = 4 cm

07 - AÇOS: CA-50 e CA-60;

08 - JUNTA DE DILATAÇÃO PREENCHIDA COM SELANTE À BASE DE POLIURETANO EXPANSÍVEL

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: RICARDO FUZA LIMA - CREA:12.848/D-DF
GLAUCYO DE OLIVEIRA SANTOS - CREA:81.887/D-MG

RESPONSÁVEL TÉCNICO:

PROPRIETÁRIO

AUTOR DO PROJETO — CREA-AP-1-CREA-XX

AUTOR DO PROJETO — CREA-AP-2-CREA-XX

RESP. TÉCNICO — CREA

DLF'O

CREA

RA

PROJETO TIPO B

PROJETO ESTRUTURAL

COORDENAÇÃO
COEST - Coordenação Geral de Infra-estrutura

VIGAS BALDRAMES - PRANCHA 2

ES

DESENHO

REVISÃO R.01 JUL/2008

ESCALA INDICADA

DATA EMISSÃO 13/03/2008

PRANCHA 08/28