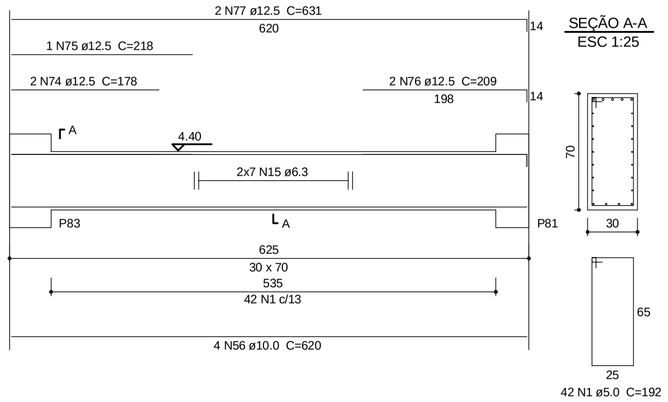
V19 (30 x 70)

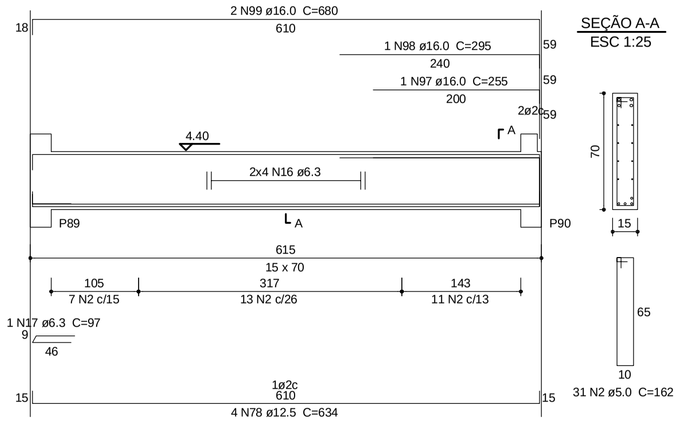
1:50



SEÇÃO A-A
ESC 1:25

V20 (15 x 70)

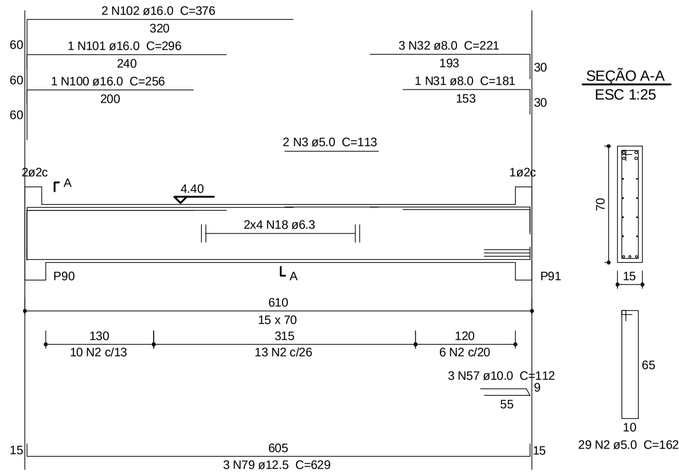
1:50



SEÇÃO A-A
ESC 1:25

V21 (15 x 70)

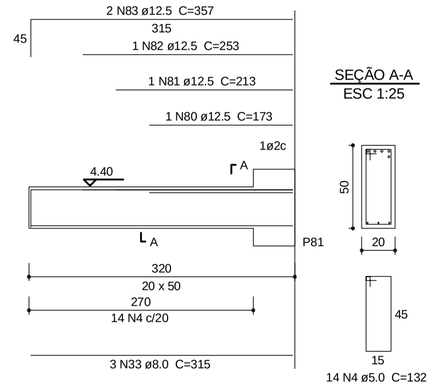
1:50



SEÇÃO A-A
ESC 1:25

V23 (20 x 50)

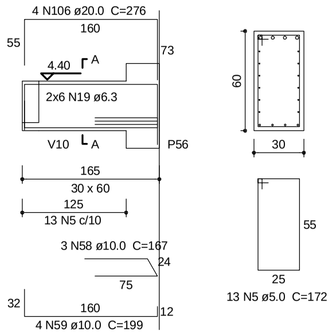
1:50



SEÇÃO A-A
ESC 1:25

V31 (30 x 60)

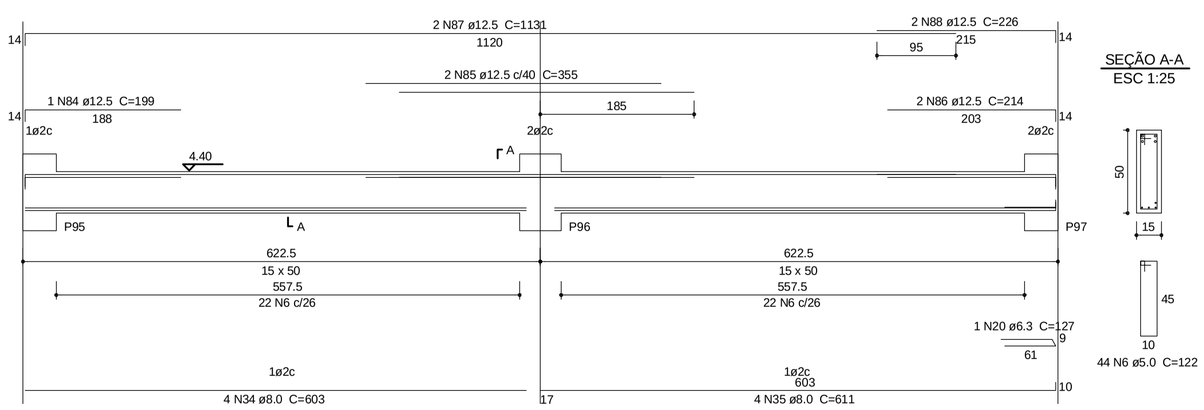
1:50



SEÇÃO A-A
ESC 1:25

V22 (15 x 50)

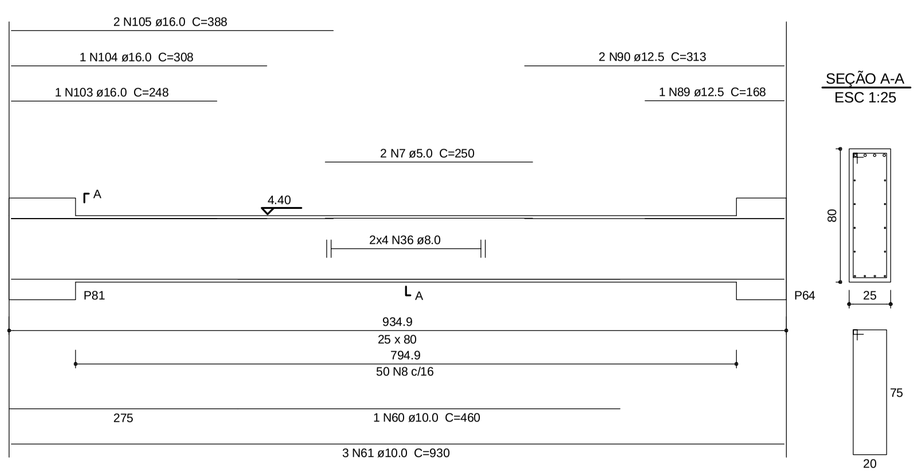
1:50



SEÇÃO A-A
ESC 1:25

V24 (25 x 80)

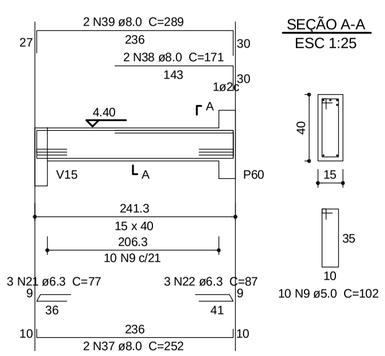
1:50



SEÇÃO A-A
ESC 1:25

V25 (15 x 40)

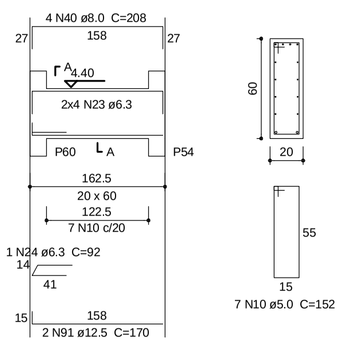
1:50



SEÇÃO A-A
ESC 1:25

V26 (20 x 60)

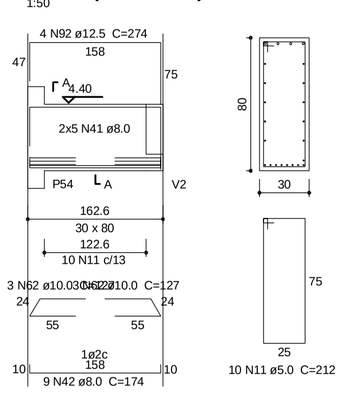
1:50



SEÇÃO A-A
ESC 1:25

V27 (30 x 80)

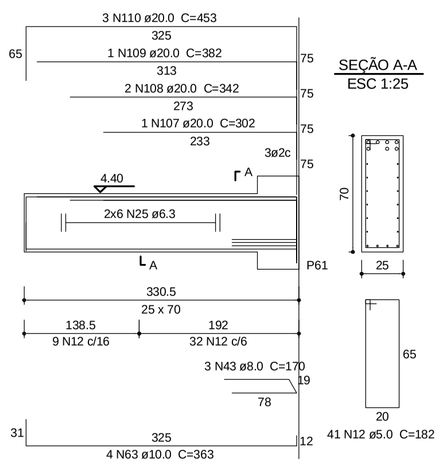
1:50



SEÇÃO A-A
ESC 1:25

V28 (25 x 70)

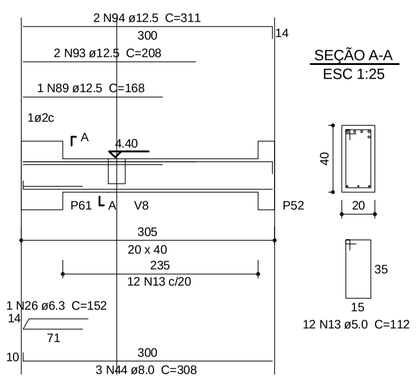
1:50



SEÇÃO A-A
ESC 1:25

V29 (20 x 40)

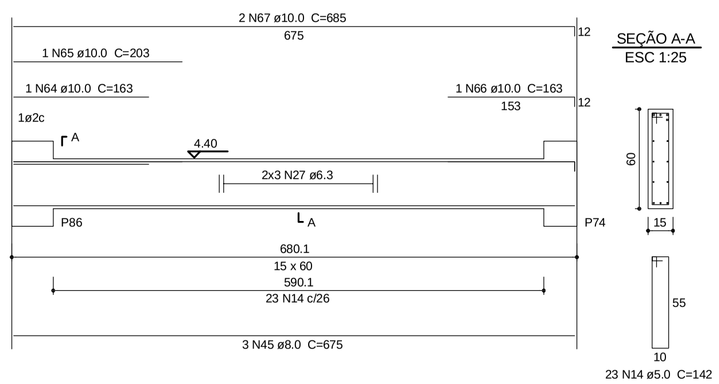
1:50



SEÇÃO A-A
ESC 1:25

V32 (15 x 60)

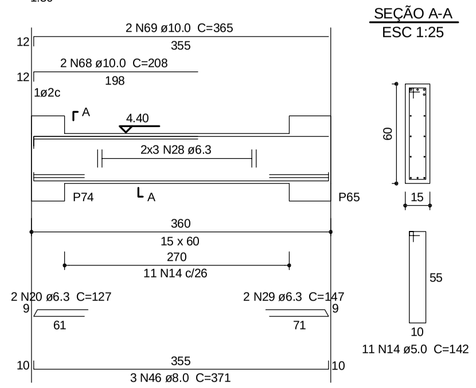
1:50



SEÇÃO A-A
ESC 1:25

V33 (15 x 60)

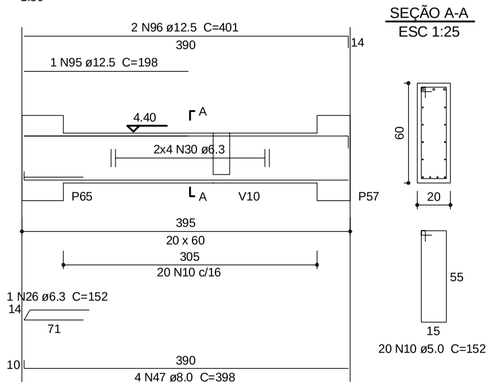
1:50



SEÇÃO A-A
ESC 1:25

V34 (20 x 60)

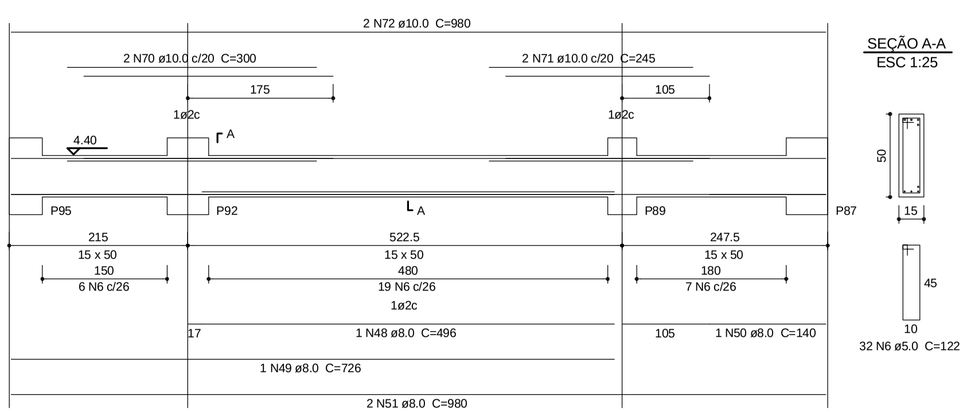
1:50



SEÇÃO A-A
ESC 1:25

V35 (15 x 50)

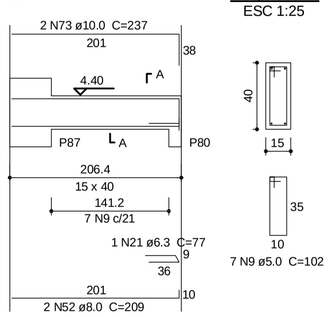
1:50



SEÇÃO A-A
ESC 1:25

V36 (15 x 40)

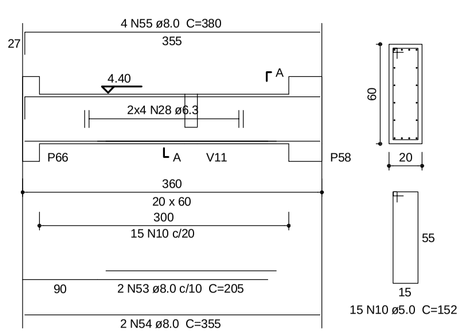
1:50



SEÇÃO A-A
ESC 1:25

V38 (20 x 60)

1:50



SEÇÃO A-A
ESC 1:25

Relação do aço

V19	V20	V21
V22	V23	V24
V25	V26	V27
V28	V29	V31
V32	V33	V34
V35	V36	V38

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	42	192	8064
	2	5.0	60	162	9720
	3	5.0	2	113	226
	4	5.0	14	132	1848
	5	5.0	13	172	2236
	6	5.0	76	122	9272
	7	5.0	2	250	500
	8	5.0	50	202	10100
	9	5.0	17	102	1734
	10	5.0	42	152	6384
	11	5.0	10	212	2120
	12	5.0	41	182	7462
	13	5.0	12	112	1344
	14	5.0	34	142	4828
	15	6.3	14	CORR	8680
	16	6.3	8	CORR	4880
	17	6.3	1	97	97
	18	6.3	8	CORR	4840
	19	6.3	12	CORR	1920
	20	6.3	3	127	381
	21	6.3	4	77	308
	22	6.3	3	87	261
	23	6.3	8	CORR	1264
	24	6.3	1	92	92
	25	6.3	12	CORR	3900
	26	6.3	2	152	304
	27	6.3	6	CORR	4050
	28	6.3	14	CORR	4970
	29	6.3	2	147	294
	30	6.3	8	CORR	3120
	31	8.0	1	181	181
	32	8.0	3	221	663
	33	8.0	3	315	945
	34	8.0	4	603	2412
	35	8.0	4	611	2444
	36	8.0	8	CORR	7440
	37	8.0	2	252	504
	38	8.0	2	171	342
	39	8.0	2	289	578
	40	8.0	4	208	832
	41	8.0	10	CORR	1580
	42	8.0	9	174	1566
	43	8.0	3	170	510
	44	8.0	3	308	924
	45	8.0	3	675	2025
	46	8.0	3	371	1113
	47	8.0	4	398	1592
	48	8.0	1	496	496
	49	8.0	1	726	726
	50	8.0	1	140	140
	51	8.0	2	980	1960
	52	8.0	2	209	418
	53	8.0	2	205	410
	54	8.0	2	355	710
	55	8.0	4	380	1520
	56	10.0	4	620	2480
	57	10.0	3	112	336
	58	10.0	3	167	501
	59	10.0	4	199	796
	60	10.0	1	460	460
	61	10.0	3	930	2790
	62	10.0	6	127	762
	63	10.0	4	363	1452
	64	10.0	1	163	163
	65	10.0	1	203	203
	66	10.0	1	163	163
	67	10.0	2	685	1370
	68	10.0	2	208	416
	69	10.0	2	365	730
	70	10.0	2	300	600
	71	10.0	2	245	490
	72	10.0	2	980	1960
	73	10.0	2	237	474
	74	12.5	2	178	356
	75	12.5	1	218	218
	76	12.5	2	209	418
	77	12.5	2	631	1262
	78	12.5	4	634	2536
	79	12.5	3	629	1887
	80	12.5	1	173	173
	81	12.5	1	213	213
	82	12.5	1	253	253
	83	12.5	1	357	714
	84	12.5	1	199	199
	85	12.5	2	355	710
	86	12.5	2	214	428
	87	12.5	2	1131	2262
	88	12.5	2	226	452
	89	12.5	2	168	336
	90	12.5	2	313	626
	91	12.5	2	170	340
	92	12.5	4	274	1096
	93	12.5	2	208	416
	94	12.5	2	311	622
	95	12.5	1	198	198
	96	12.5	2	401	802
	97	16.0	1	255	255
	98	16.0	1	295	295
	99	16.0	2	680	1360
	100	16.0	1	256	256
	101	16.0	1	296	296
	102	16.0	2	376	752
	103	16.0	1	248	248
	104	16.0	1	308	308
	105	16.0	2	388	776
	106	20.0	4	276	1104
	107	20.0	1	302	302
	108	20.0	2	342	684
	109	20.0	1	382	382
	110	20.0	3	453	1359
CA50					

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	393.7	105.9
	8.0	320.4	139
	10.0	161.5	109.5
	12.5	165.2	175
	16.0	45.5	78.9
	20.0	38.4	103.9
CA60	5.0	658.4	111.6

PESO TOTAL

CA50	712.4
CA60	111.6

Vol. de concreto total (C-25) = 10.28 m³
Área de forma total = 121.6 m²

Nº:	DATA	RESPONSÁVEL	DESCRIÇÃO DA REVISÃO:

FASE: PROJETO ESTRUTURAL

OBSERVAÇÕES: CONFERIR MEDIDAS NA OBRA

COMP. MUSEU E ARQUIVO HISTÓRICO
CAMPUS DIAMANTINA
RODOVIA MG 367, KM 583, Nº 5000 - ALTO DA JACUBA - DIAMANTINA/MG

PROPRIETÁRIO: UNIVERSIDADE FEDERAL DOS VALES DO JEQUITINHONHA E MUCURI — CNPJ 16.888.315/0001-57

TÍTULO: DET. DAS VIGAS DO PAV. TÉRREO 2/6

AUTOR PROJETO ESTRUTURAL / RT:

MACEDO SIQUEIRA PROJETOS & ENGENHARIA LTDA-ME
CNPJ: 09.566.686/0001-57
RT: ENG. CIVIL: ANTÔNIO AUGUSTO DE MACEDO – CREA: 81.746/DMG
RUA MARGARIDA CORTONA Nº799, CANAAN, SETE LAGOAS/MG
FONES: (31) 3771-0554 / 9997-3184

A. MACEDO Projetos e Engenharia
www.amacedoengenharia.com.br
Fones: (31) 3771-0554 / 9997-3184

DETALHAMENTO:

VERSÃO:	DATA:	AUTOCAD:	FOLHA:
VERSAO 1	22.08.2011		26/71

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