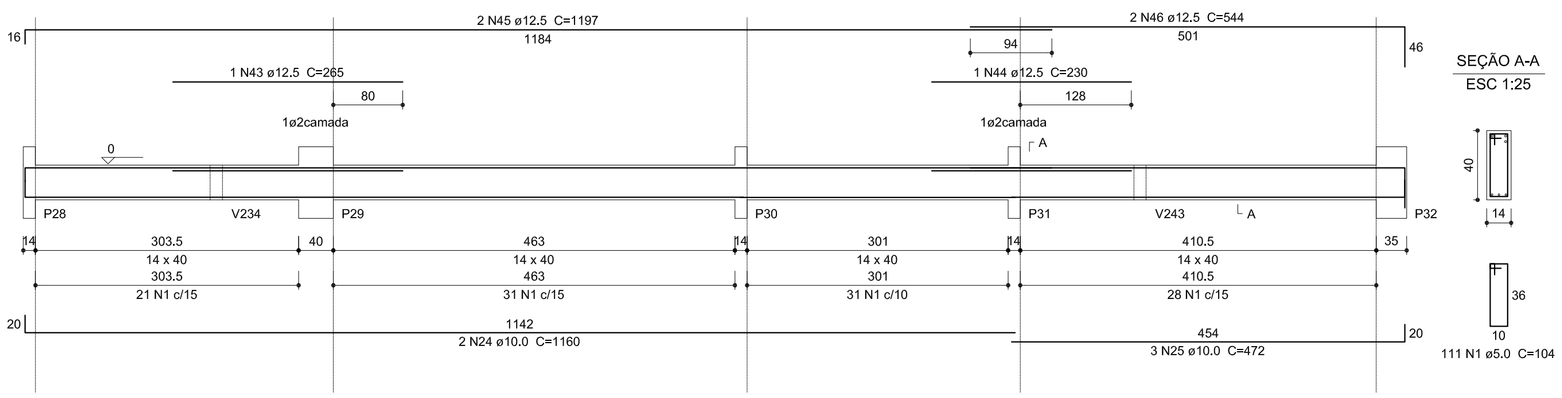
V216 (14 x 40)

1:50

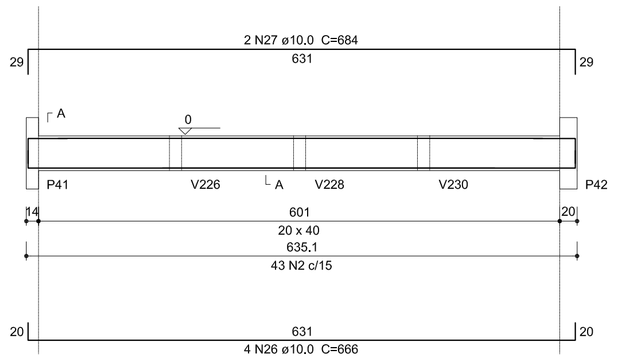


SEÇÃO A-A
ESC 1:25

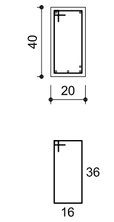
111 N1 ø5.0 C=104

V220 (20 x 40)

1:50



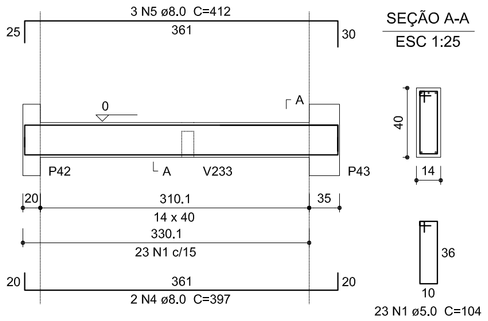
SEÇÃO A-A
ESC 1:25



43 N2 ø5.0 C=116

V221 (14 x 40)

1:50

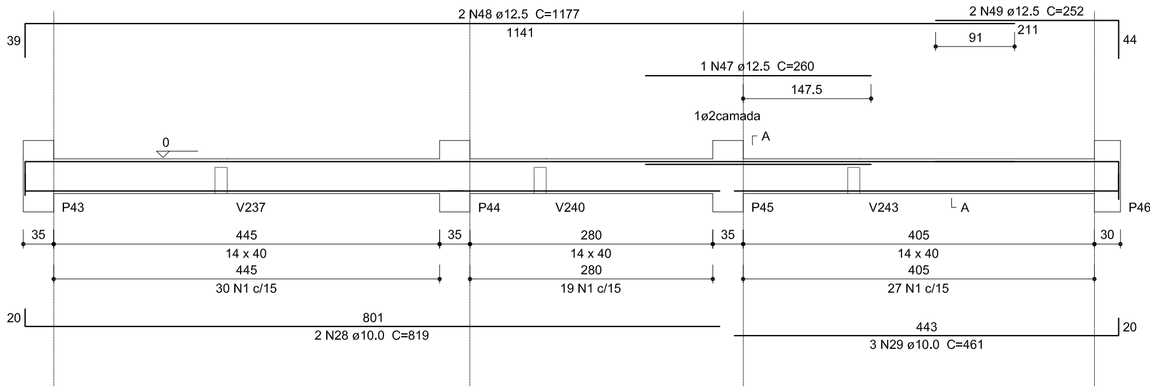


SEÇÃO A-A
ESC 1:25

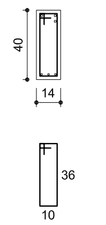
23 N1 ø5.0 C=104

V222 (14 x 40)

1:50



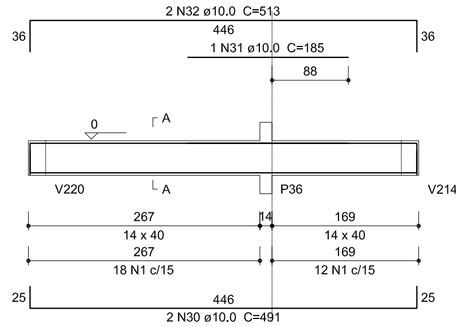
SEÇÃO A-A
ESC 1:25



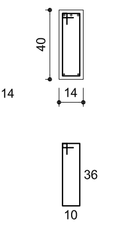
76 N1 ø5.0 C=104

V226 (14 x 40)

1:50



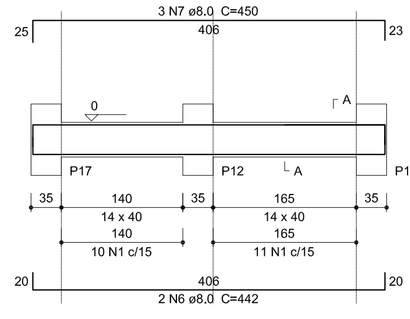
SEÇÃO A-A
ESC 1:25



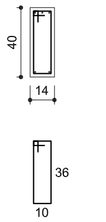
30 N1 ø5.0 C=104

V229 (14 x 40)

1:50



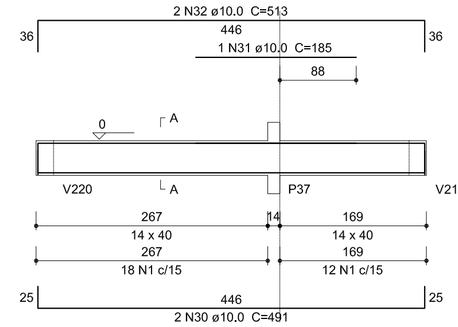
SEÇÃO A-A
ESC 1:25



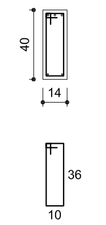
21 N1 ø5.0 C=104

V230 (14 x 40)

1:50



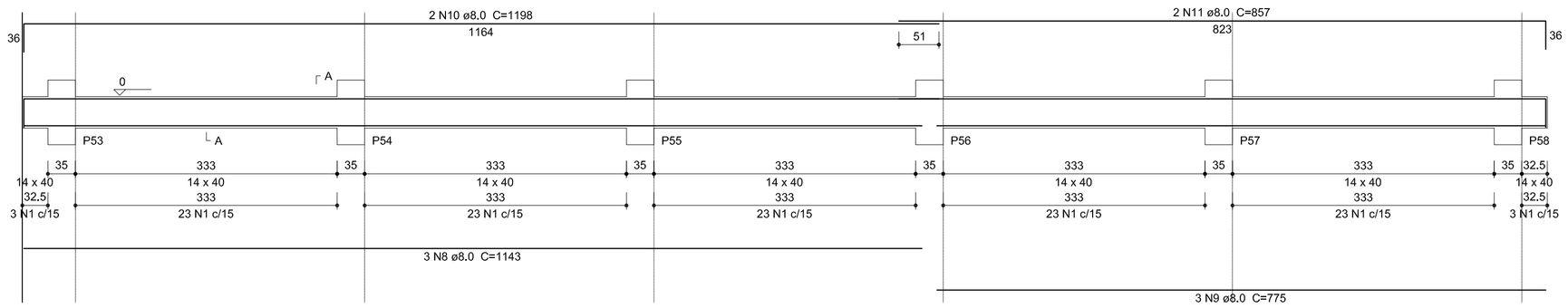
SEÇÃO A-A
ESC 1:25



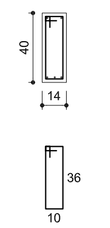
30 N1 ø5.0 C=104

V224 (14 x 40)

1:50



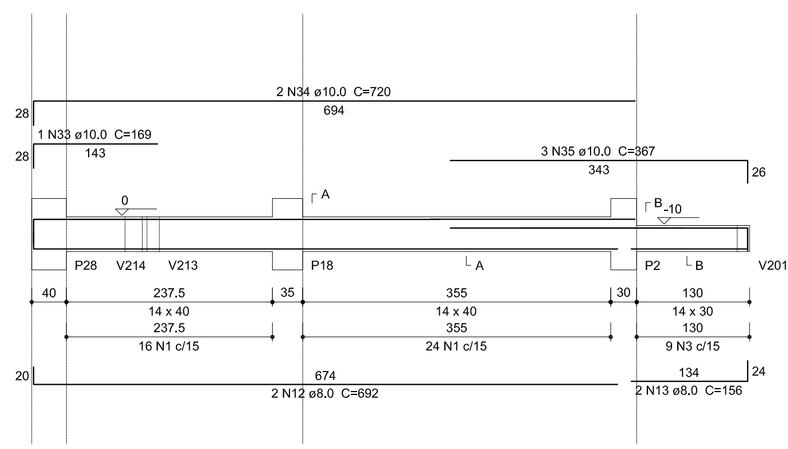
SEÇÃO A-A
ESC 1:25



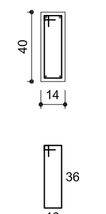
121 N1 ø5.0 C=104

V232 (var)

1:50

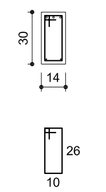


SEÇÃO A-A
ESC 1:25



40 N1 ø5.0 C=104

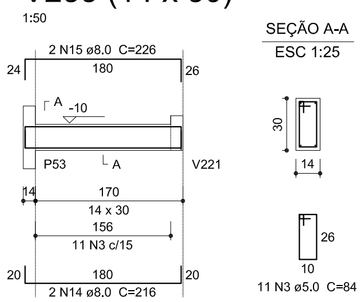
SEÇÃO B-B
ESC 1:25



9 N3 ø5.0 C=84

V233 (14 x 30)

1:50

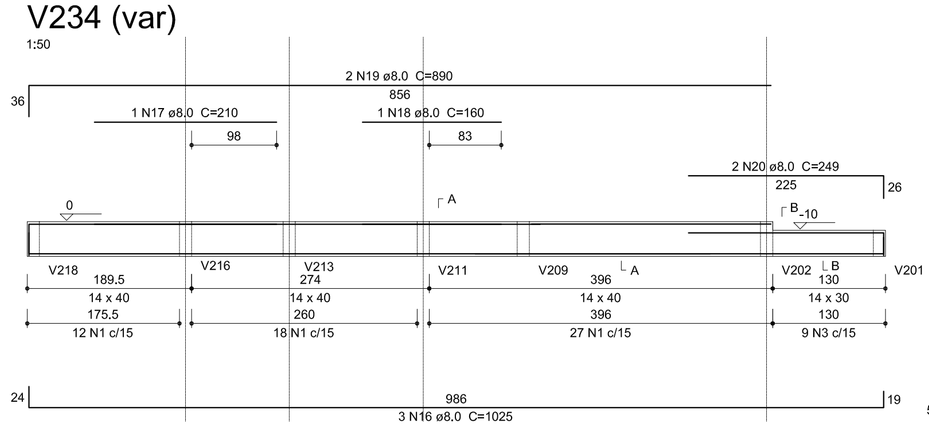


SEÇÃO A-A
ESC 1:25

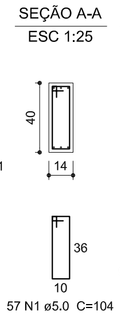
11 N3 ø5.0 C=84

V234 (var)

1:50

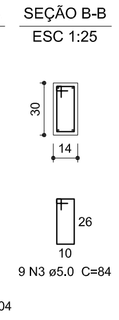


SEÇÃO A-A
ESC 1:25



57 N1 ø5.0 C=104

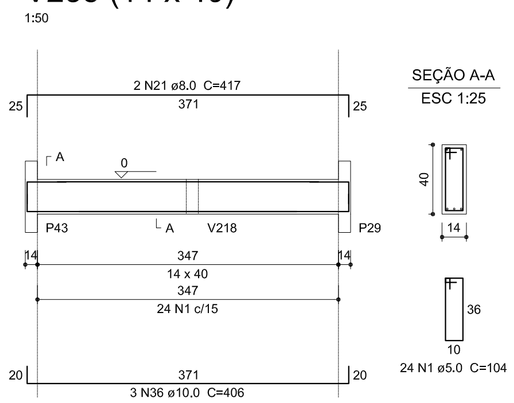
SEÇÃO B-B
ESC 1:25



9 N3 ø5.0 C=84

V235 (14 x 40)

1:50

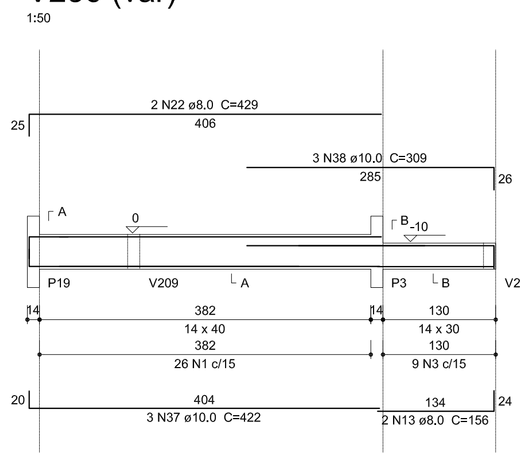


SEÇÃO A-A
ESC 1:25

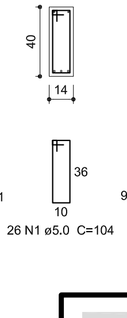
24 N1 ø5.0 C=104

V236 (var)

1:50

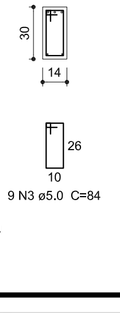


SEÇÃO A-A
ESC 1:25



26 N1 ø5.0 C=104

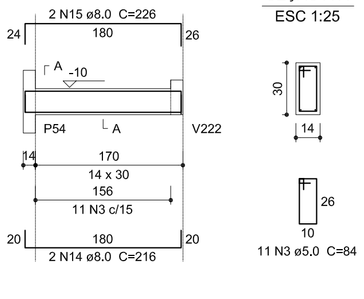
SEÇÃO B-B
ESC 1:25



9 N3 ø5.0 C=84

V237 (14 x 30)

1:50

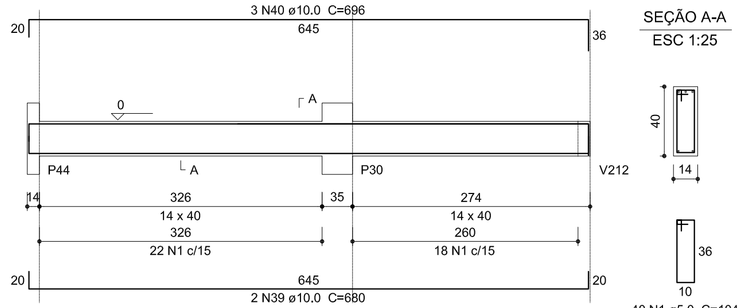


SEÇÃO A-A
ESC 1:25

11 N3 ø5.0 C=84

V238 (14 x 40)

1:50

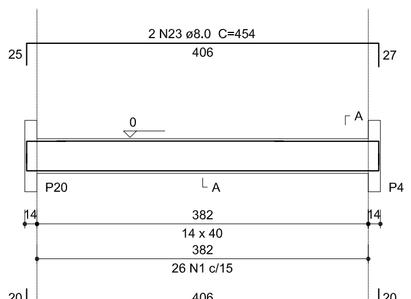


SEÇÃO A-A
ESC 1:25

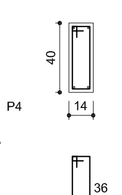
40 N1 ø5.0 C=104

V239 (14 x 40)

1:50



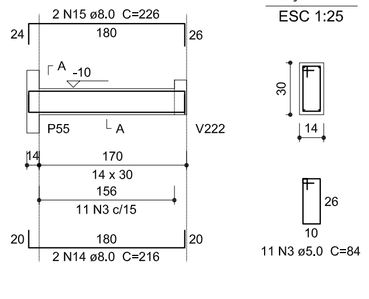
SEÇÃO A-A
ESC 1:25



26 N1 ø5.0 C=104

V240 (14 x 30)

1:50

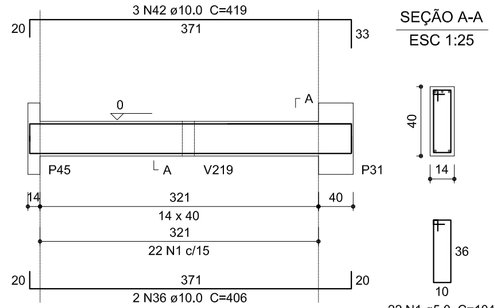


SEÇÃO A-A
ESC 1:25

11 N3 ø5.0 C=84

V241 (14 x 40)

1:50



SEÇÃO A-A
ESC 1:25

22 N1 ø5.0 C=104

Relação do aço

V216	V220	V221
V222	V224	V226
V229	V230	V232
V233	V234	V235
V236	V237	V238
V239	V240	V241

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	647	104	67288
	2	5.0	43	116	4988
	3	5.0	60	84	5040
CA50	4	8.0	2	397	794
	5	8.0	3	412	1236
	6	8.0	2	442	884
	7	8.0	3	450	1350
	8	8.0	3	1143	3429
	9	8.0	3	775	2325
	10	8.0	2	1198	2396
	11	8.0	2	857	1714
	12	8.0	2	692	1384
	13	8.0	4	156	624
	14	8.0	6	216	1296
	15	8.0	6	226	1356
	16	8.0	3	1025	3075
	17	8.0	1	210	210
	18	8.0	1	160	160
	19	8.0	2	890	1780
	20	8.0	2	249	498
	21	8.0	2	417	834
	22	8.0	2	429	858
	23	8.0	2	454	908
	24	10.0	2	1160	2320
	25	10.0	3	472	1416
	26	10.0	4	666	2664
	27	10.0	2	684	1368
	28	10.0	2	819	1638
	29	10.0	3	461	1383
	30	10.0	4	491	1964
	31	10.0	2	185	370
	32	10.0	4	513	2052
	33	10.0	1	169	169
	34	10.0	2	720	1440
	35	10.0	3	367	1101
	36	10.0	5	406	2030
	37	10.0	3	422	1266
	38	10.0	3	309	927
	39	10.0	2	680	1360
	40	10.0	3	696	2088
	41	10.0	2	441	882
	42	10.0	3	419	1257
	43	12.5	1	265	265
	44	12.5	1	230	230
	45	12.5	2	1197	2394
	46	12.5	2	544	1088
	47	12.5	1	260	260
	48	12.5	2	1177	2354
	49	12.5	2	252	504

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	271.2	117.7
	10.0	277	187.8
	12.5	71	75.2
CA60	5.0	773.2	131.1
PESO TOTAL			
CA50	380.7		
CA60	131.1		

Vol. de concreto total (C-25) = 6.64 m³
Área de forma total = 109.62 m²

STUDIO D ARQUITETURA — STUDIO–D ARQUITETURA
RUA BENJAMIN CONSTANT 21- CAMPOS NOVOS SC - FONES 5442476/ 91144598 - E-MAIL LARAFCH@YAHOO.COM.BR

PROJETO ESTRUTURAL

ENDEREÇO
Av. Caetano Belincanta Neto esq. com a Rua Vergilho Antunes

OBRA
Posto de Saúde

RESERVADO CARIMBO E ASSINATURA

ESPECIFICAÇÃO
Detalhamento das vigas do térreo

RESERVADO CARIMBO E ASSINATURA

RESPONSÁVEL TÉCNICO PROJETO:
ENG. CIVIL DIEISON RAMOS GLASENAPP
CREA-SC 58.024-5

PREFEITURA MUNICIPAL DE CAMPOS NOVOS

RESPONSÁVEL TÉCNICO EXECUÇÃO:

ÁREA TOTAL DA CONSTRUÇÃO: 730,01 m²
DATA: Outubro /2011
ESCALA: Indicada
PRANCHA: 02/04