Relação do aço

V1 V2 V3
V4 V5 V6
V7 V8 V9
V10 V11 V12
V13 V14 V15

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	2	272	544
	2	5.0	375	130	48750
	3	5.0	2	345	690
	4	5.0	2	330	660
	5	5.0	2	363	726
	6	5.0	2	335	670
	7	5.0	2	219	438
	8	5.0	2	323	646
	9	5.0	4	350	1400
	10	5.0	2	348	696
	11	5.0	2	539	1078
	12	5.0	120	70	8400
CA50	13	6.3	6	CORR	3804
	14	6.3	6	CORR	4482
	15	6.3	36	CORR	25992
	16	6.3	6	CORR	2166
	17	6.3	6	CORR	2142
	18	6.3	12	CORR	7584
	19	6.3	6	CORR	2016
	20	6.3	12	CORR	3984
	21	6.3	6	CORR	2046
	22	6.3	4	66	264
	23	8.0	1	335	335
	24	8.0	2	738	1476
	25	8.0	1	358	358
	26	8.0	1	243	243
	27	8.0	2	1067	2134
	28	8.0	2	660	1320
	29	8.0	2	972	1944
	30	8.0	2	332	664
	31	10.0	2	634	1268
	32	10.0	2	181	362
	33	10.0	4	201	804
	34	10.0	2	747	1494
	35	10.0	3	126	378
	36	10.0	1	131	131
	37	10.0	2	221	442
	38	10.0	4	722	2888
	39	10.0	4	216	864
	40	10.0	2	121	242
	41	10.0	4	196	784
	42	10.0	4	711	2844
	43	10.0	2	140	280
	44	10.0	4	210	840
	45	10.0	4	632	2528
	46	10.0	1	134	134
	47	10.0	2	209	418
	48	10.0	2	161	322
	49	10.0	2	661	1322
	50	10.0	2	503	1006
	51	10.0	2	732	1464
	52	10.0	1	134	134
	53	10.0	2	234	468
	54	10.0	1	132	132
	55	10.0	4	237	948
	56	10.0	1	147	147
	57	10.0	1	190	190
	58	10.0	2	542	1084
	59	10.0	1	420	420
	60	10.0	2	1057	2114
	61	10.0	1	205	205
	62	10.0	2	546	1092
	63	10.0	2	168	336
	64	10.0	2	188	376
	65	10.0	2	671	1342
	66	10.0	2	1002	2004
	67	10.0	1	126	126
	68	10.0	2	366	732

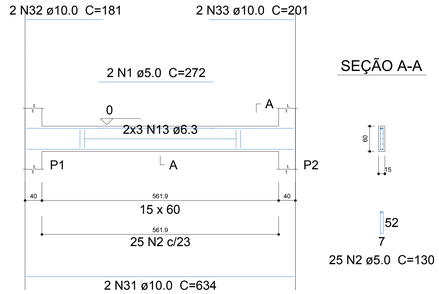
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	544.8	146.6
	8.0	84.8	36.8
	10.0	326.7	221.5
CA60	5.0	647	109.7

PESO TOTAL (kg)	
CA50	405
CA60	109.7

Volume de concreto (C-30) = 9.08 m³
Área de forma = 137.68 m²

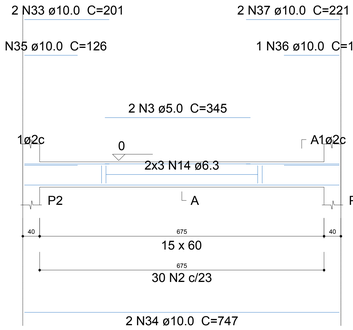
V1



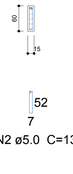
SEÇÃO A-A

25 N2 ø5.0 C=130

V2

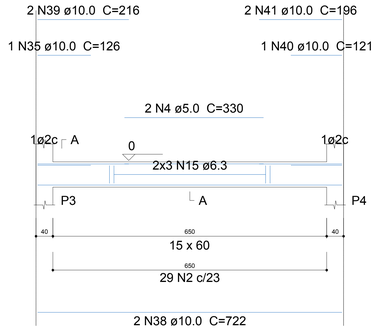


SEÇÃO A-A

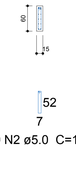


30 N2 ø5.0 C=130

V3

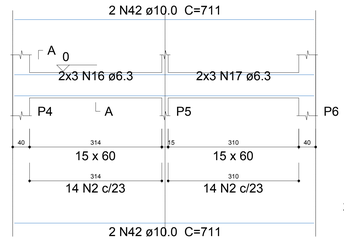


SEÇÃO A-A



29 N2 ø5.0 C=130

V4

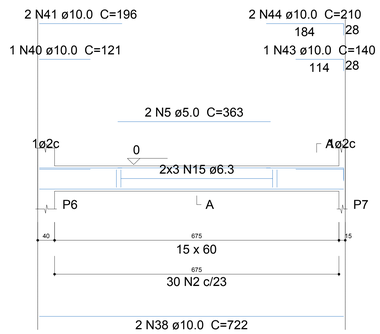


SEÇÃO A-A
ESC 1:50



28 N2 ø5.0 C=130

V5

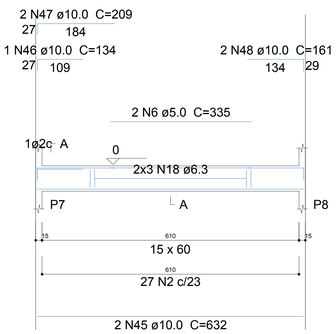


SEÇÃO A-A



30 N2 ø5.0 C=130

V6

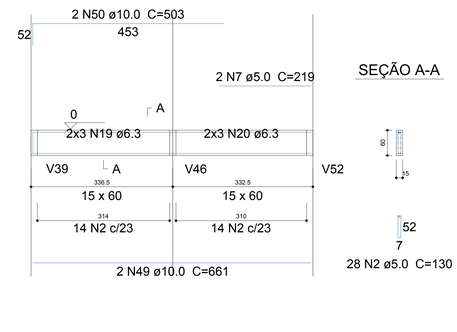


SEÇÃO A-A



27 N2 ø5.0 C=130

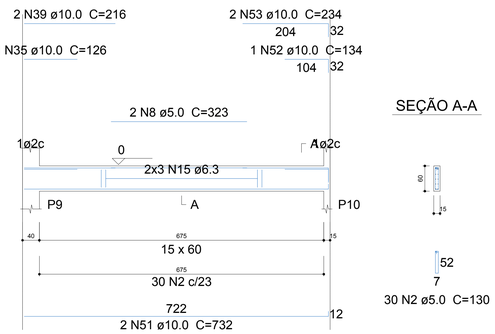
V7



SEÇÃO A-A

28 N2 ø5.0 C=130

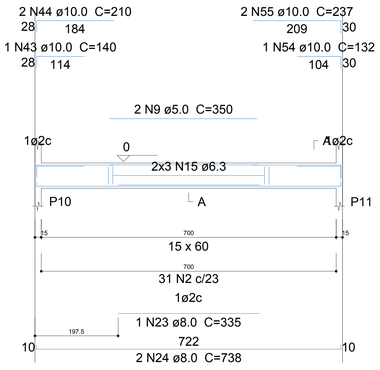
V8



SEÇÃO A-A

30 N2 ø5.0 C=130

V9

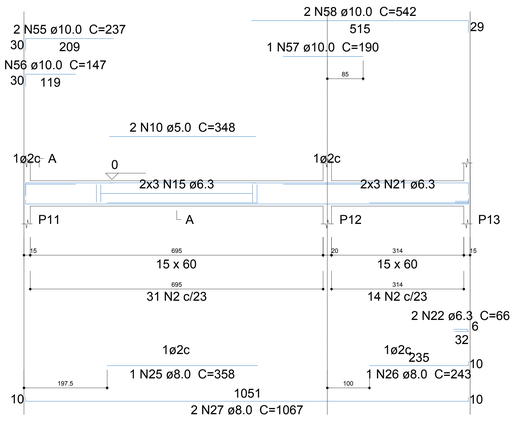


SEÇÃO A-A
ESC 1:50



31 N2 ø5.0 C=130

V10

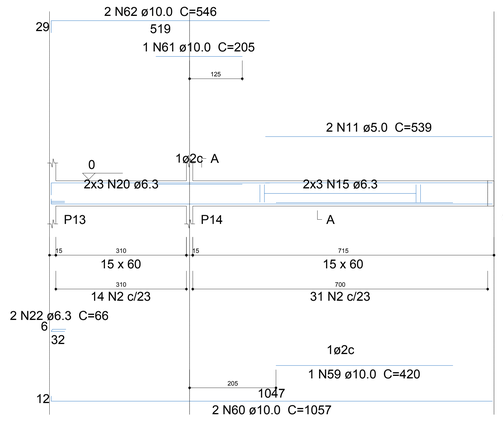


SEÇÃO A-A
ESC 1:50



45 N2 ø5.0 C=130

V11

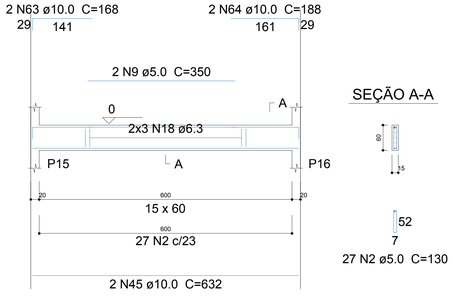


SEÇÃO A-A



45 N2 ø5.0 C=130

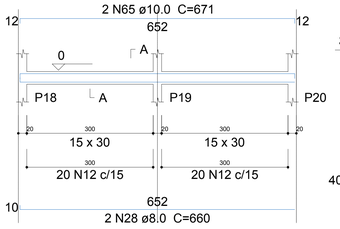
V12



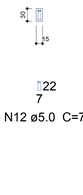
SEÇÃO A-A

27 N2 ø5.0 C=130

V13

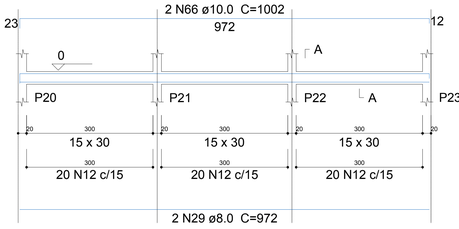


SEÇÃO A-A

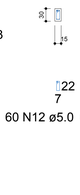


40 N12 ø5.0 C=70

V14

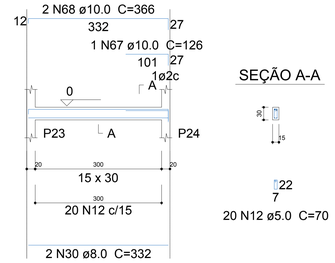


SEÇÃO A-A



60 N12 ø5.0 C=70

V15



SEÇÃO A-A

20 N12 ø5.0 C=70

04 Vigas Baldrame
Escala: 1/50

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Rua Primo Tacca, 350, Bairro Tacca - Caibi - SC
E-mail: engenheiro@engeobra@gmail.com Cel: (49) 9 9976-0226

OBRA:
Centro Municipal de Educação Infantil ABC

LOCAL:
Rua Helena Bigaton, Bairro da Gruta - Caibi - SC

PROJETO:
ESTRUTURAL

ESPECIFICAÇÕES:
- Vigas baldrame

DATA: 12/2021
DESENHO: T.L
ÁREA: 1.087,69 m²
PRANCHA: 04 /19
ESCALA: Indicada

Projeto:
Assinado de forma digital por SAMUEL SPESSATTO OUTEIRO:04412294927
Dados: 2021.12.23 11:29:02 -03'00'
SAMUEL SPESSATTO OUTEIRO
Engº Civil- CREA SC 133319-7

Proprietário:
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CNPJ:82.940.776/0001-56