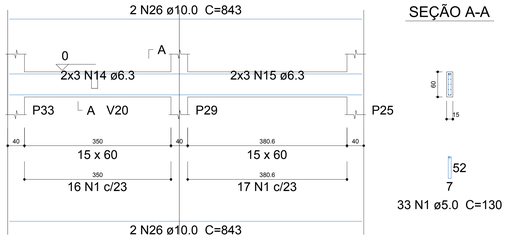
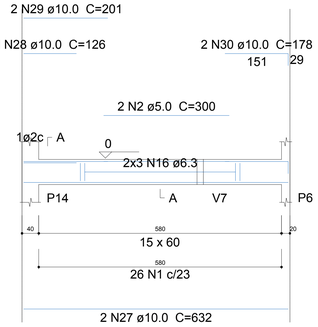
V51



SEÇÃO A-A

33 N1 ø5.0 C=130

V52

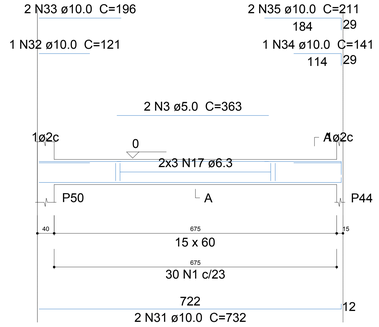


SEÇÃO A-A



26 N1 ø5.0 C=130

V53

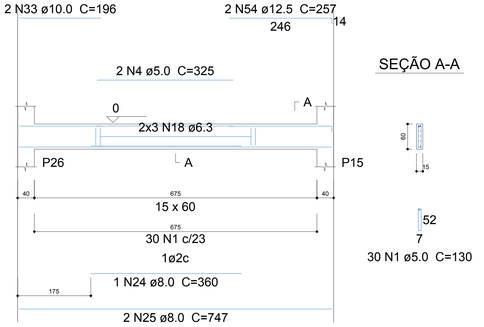


SEÇÃO A-A



30 N1 ø5.0 C=130

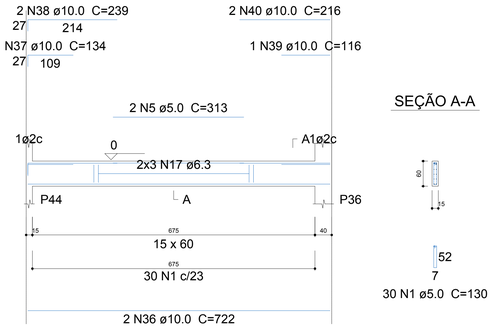
V56



SEÇÃO A-A

30 N1 ø5.0 C=130

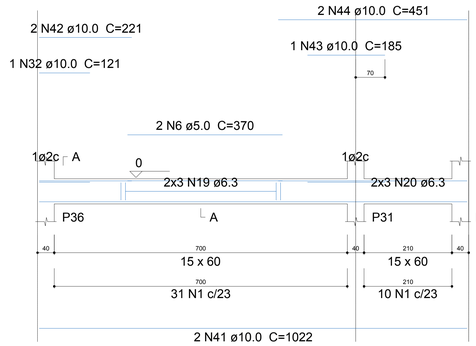
V54



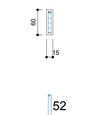
SEÇÃO A-A

30 N1 ø5.0 C=130

V55

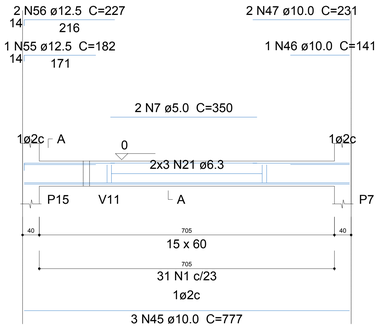


SEÇÃO A-A

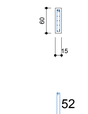


41 N1 ø5.0 C=130

V57

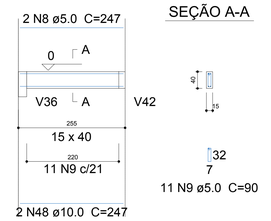


SEÇÃO A-A



31 N1 ø5.0 C=130

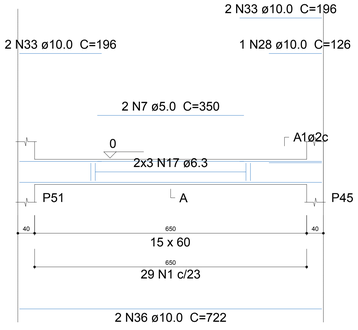
V58



SEÇÃO A-A

11 N9 ø5.0 C=90

V59

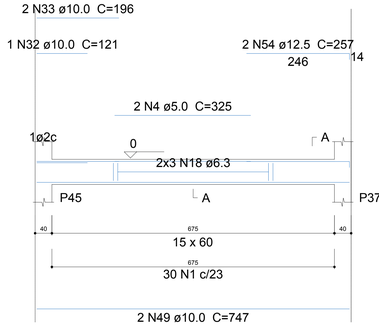


SEÇÃO A-A

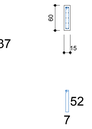


29 N1 ø5.0 C=130

V60

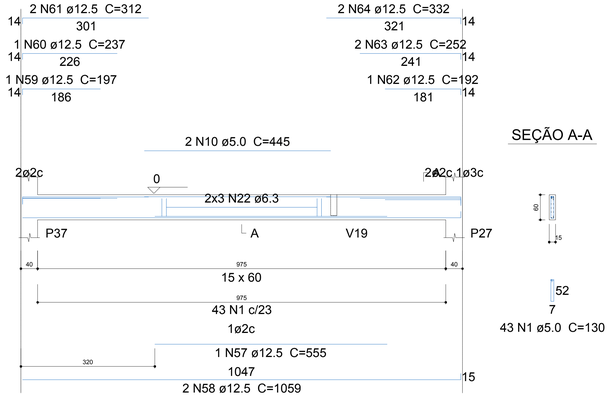


SEÇÃO A-A



30 N1 ø5.0 C=130

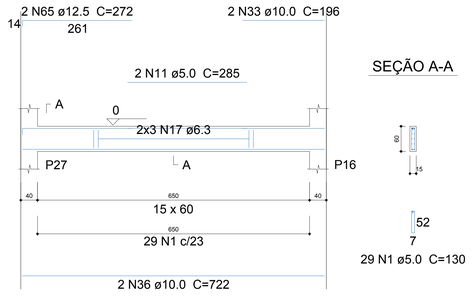
V61



SEÇÃO A-A

43 N1 ø5.0 C=130

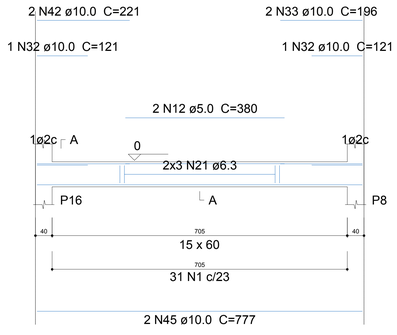
V62



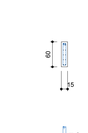
SEÇÃO A-A

29 N1 ø5.0 C=130

V63

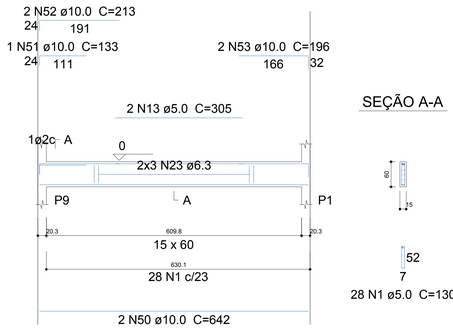


SEÇÃO A-A



31 N1 ø5.0 C=130

V64



SEÇÃO A-A

28 N1 ø5.0 C=130

07 Vigas Baldrame
Escala: 1/50

Relação do aço

V51 V52 V53
V54 V55 V56
V57 V59 V60
V61 V62 V63
V64 [1

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	411	130	53430
	2	5.0	2	300	600
	3	5.0	2	363	726
	4	5.0	4	325	1300
	5	5.0	2	313	626
	6	5.0	2	370	740
	7	5.0	4	350	1400
	8	5.0	2	247	494
	9	5.0	11	90	990
	10	5.0	2	445	890
	11	5.0	2	285	570
	12	5.0	2	380	760
	13	5.0	2	305	610
CA50	14	6.3	6	CORR	2532
	15	6.3	6	CORR	2718
	16	6.3	6	CORR	3792
	17	6.3	24	CORR	17328
	18	6.3	12	CORR	8964
	19	6.3	6	CORR	4632
	20	6.3	6	CORR	1692
	21	6.3	12	CORR	9324
	22	6.3	6	CORR	6282
	23	6.3	6	CORR	3852
	24	8.0	1	360	360
	25	8.0	2	747	1494
	26	10.0	4	843	3372
	27	10.0	2	632	1264
	28	10.0	2	126	252
	29	10.0	2	201	402
	30	10.0	2	178	356
	31	10.0	2	732	1464
	32	10.0	5	121	605
	33	10.0	14	196	2744
	34	10.0	1	141	141
	35	10.0	2	211	422
	36	10.0	6	722	4332
	37	10.0	1	134	134
	38	10.0	2	239	478
	39	10.0	1	116	116
	40	10.0	2	216	432
	41	10.0	2	1022	2044
	42	10.0	4	221	884
	43	10.0	1	185	185
	44	10.0	2	451	902
	45	10.0	5	777	3885
	46	10.0	1	141	141
	47	10.0	2	231	462
	48	10.0	2	247	494
	49	10.0	2	747	1494
	50	10.0	2	642	1284
	51	10.0	1	133	133
	52	10.0	2	213	426
	53	10.0	2	196	392
	54	12.5	4	257	1028
	55	12.5	1	182	182
	56	12.5	2	227	454
	57	12.5	1	555	555
	58	12.5	2	1059	2118
	59	12.5	1	197	197
	60	12.5	1	237	237
	61	12.5	2	312	624
	62	12.5	1	192	192
	63	12.5	2	252	504
	64	12.5	2	332	664
	65	12.5	2	272	544

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	611.2	164.5
	8.0	18.6	8
	10.0	292.4	198.3
	12.5	73	77.3
CA60	5.0	631.4	107

PESO TOTAL (kg)	
CA50	448.2
CA60	107

Volume de concreto (C-30) = 9.36 m³
Área de forma = 140.47 m²

Engeobra
CREA SC 158.454-0
ENGENHARIA E INFRAESTRUTURA
Rua Primo Tacca, 350, Bairro Tacca - Cel: (49) 9 9976-0226
E-mail: engenheiroSC@engeobra@gmail.com

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
AREA: 1.087,69 m²
ESCALA: Indicada
PRANCHA: 07 /19

Projeto:
Assinado de forma digital por SAMUEL SPESSATTO OUTEIRO:02041122950
Dados: 2021.12.23 11:28:44 -03'00'
SAMUEL SPESSATTO OUTEIRO
Engº Civil - CREA SC 133319-7

Proprietário:
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CNPJ 82.940.776/0001-56