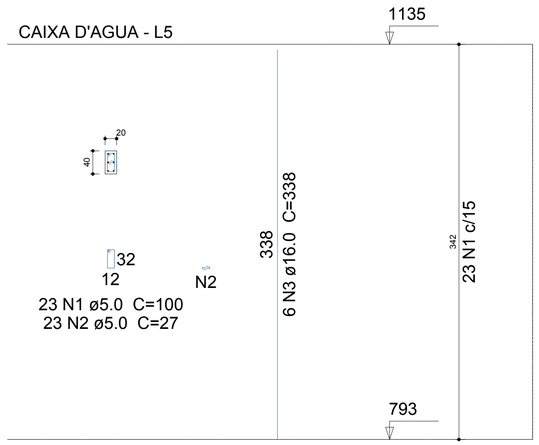
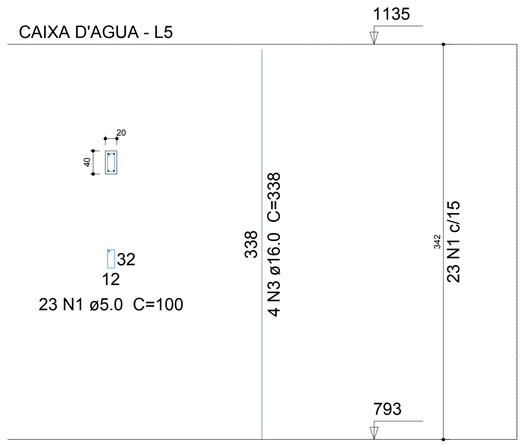
P38=P40=P41



P39=P42=P43



Relação do aço

3xP38 3xP39

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	138	100	13800
	2	5.0	69	27	1863
CA50	3	16.0	30	338	10140

Resumo do aço

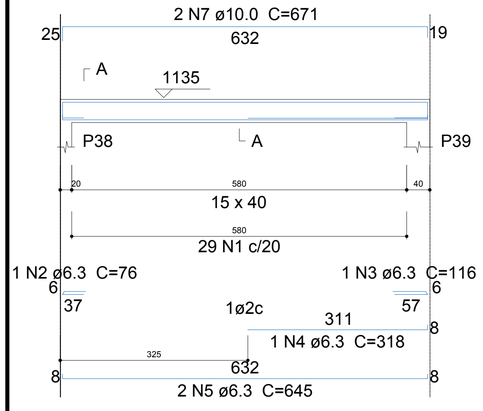
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	16.0	101.4	176
CA60	5.0	156.7	26.6

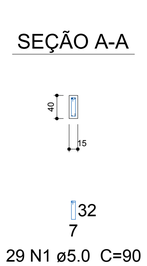
PESO TOTAL (kg)	
CA50	176
CA60	26.6

Volume de concreto (C-30) = 1.64 m³
Área de forma = 24.62 m²

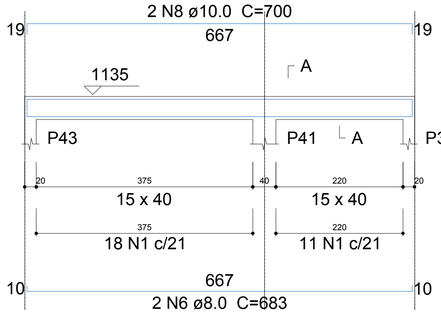
23 Pilares Caixa d'água
Escala: 1/50

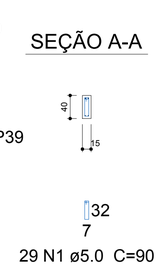
V28





V30





Relação do aço

V28 V30 V31
V53

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	114	90	10260
CA50	2	6.3	1	76	76
	3	6.3	3	116	348
	4	6.3	1	318	318
	5	6.3	5	645	3225
	6	8.0	2	683	1366
	7	10.0	2	671	1342
	8	10.0	4	700	2800
	9	10.0	2	668	1336
	10	10.0	2	677	1354

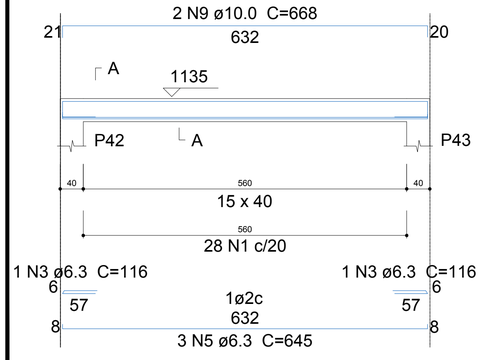
Resumo do aço

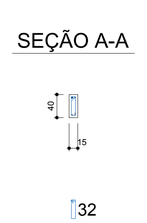
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	39.7	10.7
	8.0	13.7	5.9
	10.0	68.4	46.3
CA60	5.0	102.6	17.4

PESO TOTAL (kg)	
CA50	62.9
CA60	17.4

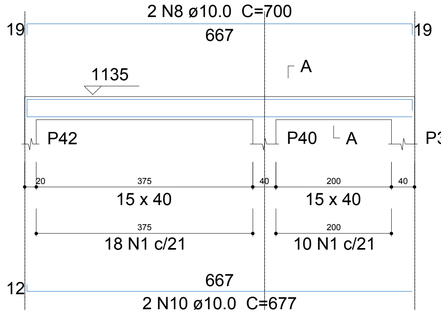
Volume de concreto (C-30) = 1.58 m³
Área de forma = 24.98 m²

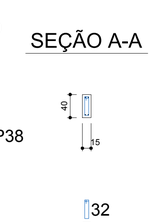
V31





V53





24 Vigas Caixa D'água
Escala: 1/50

APROVAÇÃO:

Engeobra
CREA SC 158.454-0
ENGENHARIA E INFRAESTRUTURA

Rua Primo Tacca, 350, Bairro Tacca - Lençóis Paulista
E-mail: engenheiro@engeobra.com.br Cel: (49) 9 9976-0226

OBRA:
Centro Municipal de Educação Infantil ABC

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

PROJETO:
ESTRUTURAL

ESPECIFICAÇÕES:
- Pilares caixa d'água
- Vigas caixa d'água

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

Projeto:
Assinado de forma digital por SAMUEL SPESSATTO OUTEIRO:04412294927
Dados: 2021.12.23 11:33:13 -03'00'
SAMUEL SPESSATTO OUTEIRO
Engº Civil- CREA SC 133319-7

Proprietário:
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CNPJ:82.940.776/0001-56