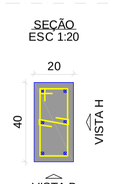
P4

COBERTURA RES. - L4

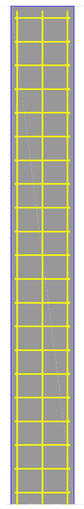
SEÇÃO ESC 1:20



19 N2 ø5.0 C=107
19 N1 ø5.0 C=29
2 N1 ø5.0 C=29

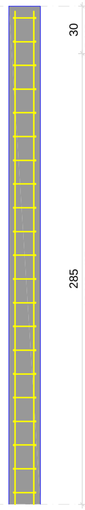
2x2 N3 ø5.0 C=74

VISTA H ESC 1:25



6 N28 ø12.5 C=312

VISTA B ESC 1:25



2x2 N3 c/15

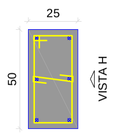
19 N2 c/15

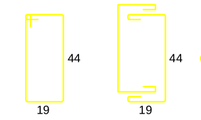
FUNDO RESERVATÓRIO - L3

P5

COBERTURA RES. - L4

SEÇÃO ESC 1:20

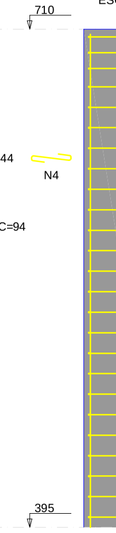




22 N5 ø5.0 C=137
22 N4 ø5.0 C=34
3 N4 ø5.0 C=34

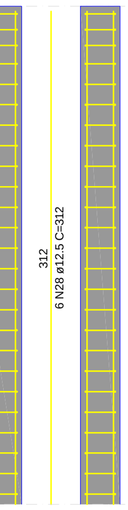
2x3 N6 ø5.0 C=94

VISTA H ESC 1:25



6 N28 ø12.5 C=312

VISTA B ESC 1:25



2x3 N6 c/13

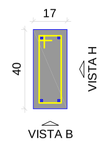
22 N5 c/13

FUNDO RESERVATÓRIO - L3

P9

COBERTURA RES. - L4

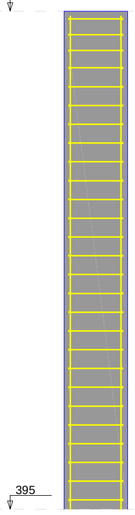
SEÇÃO ESC 1:20



24 N7 ø5.0 C=101

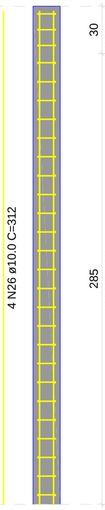
2x3 N8 ø5.0 C=68

VISTA H ESC 1:25



4 N26 ø10.0 C=312

VISTA B ESC 1:25



2x3 N8 c/12

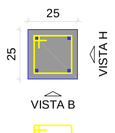
24 N7 c/12

FUNDO RESERVATÓRIO - L3

P10

COBERTURA RES. - L4

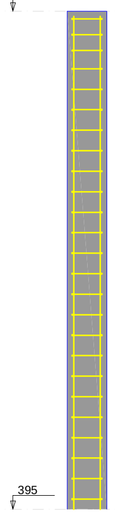
SEÇÃO ESC 1:20



22 N9 ø5.0 C=87

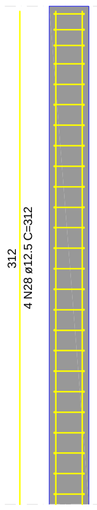
2x3 N10 ø5.0 C=69

VISTA H ESC 1:25



4 N28 ø12.5 C=312

VISTA B ESC 1:25



2x3 N10 c/13

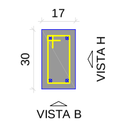
22 N9 c/13

FUNDO RESERVATÓRIO - L3

P11

COBERTURA RES. - L4

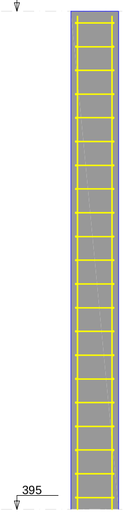
SEÇÃO ESC 1:20



19 N11 ø5.0 C=81

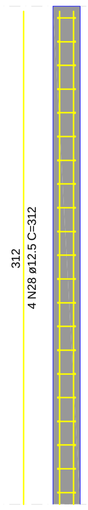
2x2 N12 ø5.0 C=58

VISTA H ESC 1:25



4 N28 ø12.5 C=312

VISTA B ESC 1:25



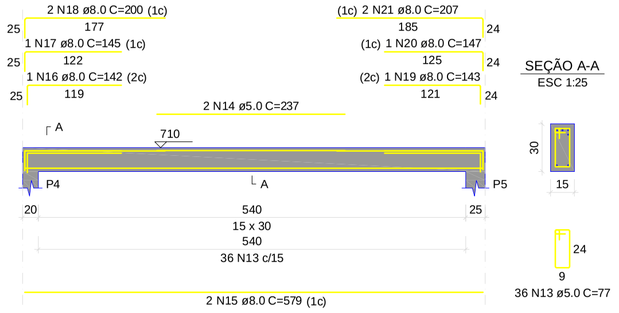
2x2 N12 c/15

19 N11 c/15

FUNDO RESERVATÓRIO - L3

V1

ESC 1:50



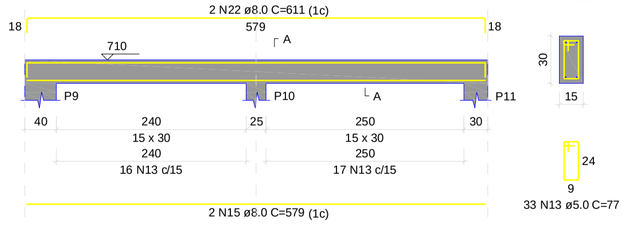
2 N15 ø8.0 C=579 (1c)

SEÇÃO A-A ESC 1:25

36 N13 ø5.0 C=77

V2

ESC 1:50



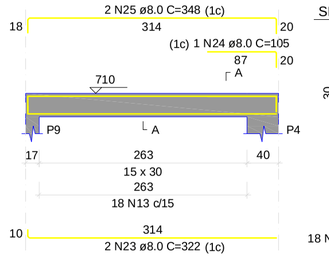
2 N15 ø8.0 C=579 (1c)

SEÇÃO A-A ESC 1:25

33 N13 ø5.0 C=77

V3

ESC 1:50



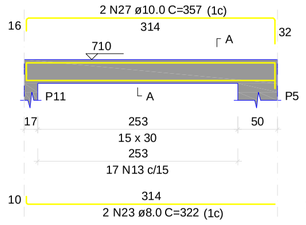
2 N23 ø8.0 C=322 (1c)

SEÇÃO A-A ESC 1:25

18 N13 ø5.0 C=77

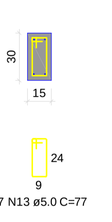
V4

ESC 1:50



2 N23 ø8.0 C=322 (1c)

SEÇÃO A-A ESC 1:25



17 N13 ø5.0 C=77

RELAÇÃO DO AÇO

P4 P5 P9
P10 P11 V1
V2 V3 V4

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	21	29	609
	2	5.0	19	107	2033
	3	5.0	4	74	296
	4	5.0	25	34	850
	5	5.0	22	137	3014
	6	5.0	6	94	564
	7	5.0	24	101	2424
	8	5.0	6	68	408
	9	5.0	22	87	1914
	10	5.0	6	69	414
	11	5.0	19	81	1539
	12	5.0	4	58	232
	13	5.0	104	77	8008
	14	5.0	2	237	474
CA50	15	8.0	4	579	2316
	16	8.0	1	142	142
	17	8.0	1	145	145
	18	8.0	2	200	400
	19	8.0	1	143	143
	20	8.0	1	147	147
	21	8.0	2	207	414
	22	8.0	2	611	1222
	23	8.0	4	322	1288
	24	8.0	1	105	105
	25	8.0	2	348	696
	26	10.0	4	312	1248
	27	10.0	2	357	714
	28	12.5	20	312	6240

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	70.2	30.5
	10.0	19.6	13.3
	12.5	62.4	66.1
CA60	5.0	227.8	36.6

PESO TOTAL (kg)	
CA50	109.9
CA60	36.6

Volume de concreto (C-25) = 2.03 m³
Área de forma = 31.78 m²

Campos Novos Cidade Catarinense

PREFEITURA MUNICIPAL DE CAMPOS NOVOS (SC)
RUA EXPEDICIONÁRIO, 323 - CENTRO - FONE (49) 3541-6200 www.camposnovos.sc.gov.br

SECRETARIA MUNICIPAL DE TRANSPORTES, OBRAS E URBANISMO
DEPARTAMENTO DE ENGENHARIA

OBRA:
REFORMA E AMPLIAÇÃO DA CRECHE MARILENE RUPP BAGATINI

PROJETO: **ESTRUTURAL**

ASSUNTO: **COBERTURA RESERVATÓRIO**

ÁREA CONSTRUÍDA EXISTENTE:	ÁREA DE REFORMA:	ÁREA TOTAL DE AMPLIAÇÃO:	ÁREA TOTAL CONSTRUÍDA:
628,21 M²	74,90 M²	94,81 M²	723,02 M²

DATA: **SETEMBRO/2020**

LOCAL: **RUA BENONI DE OLIVEIRA LEMOS ESQUINA COM RUA JOÃO PINTO DE ANDRADE, BAIRRO BOA VISTA**

CÓDIGO CAD:
2020\Obras\Secretaria de Educação\Creche Marilene Rupp Bagatini

ESCALA CAD: 1 : 1

FOLHA: 02/10

DESENHO: LUIZ CARLOS

RESP. TÉCNICO: LAIDES DALAZEN LAIDNES
CREA - SC 105168-6
Engenheira Civil

PREFEITO: SÍLVIO ALEXANDRE ZANCANARO