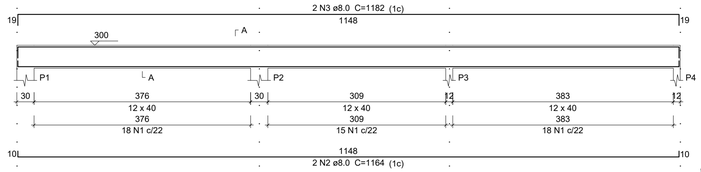
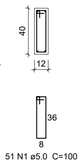
V1 (12 x 40)
ESC 1:50

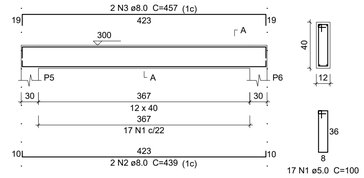


SEÇÃO A-A
ESC 1:25



51 N1 ø5.0 C=100

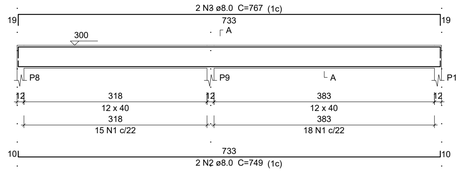
V2 (12 x 40)
ESC 1:50



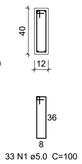
SEÇÃO A-A
ESC 1:25

17 N1 ø5.0 C=100

V3 (12 x 40)
ESC 1:50

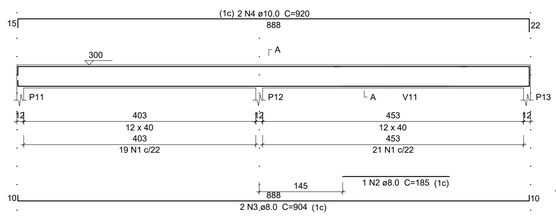


SEÇÃO A-A
ESC 1:25

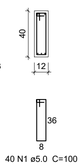


33 N1 ø5.0 C=100

V4 (12 x 40)
ESC 1:50

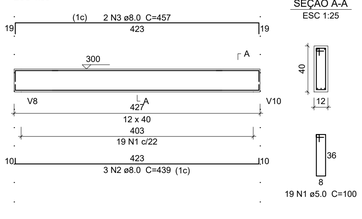


SEÇÃO A-A
ESC 1:25



40 N1 ø5.0 C=100

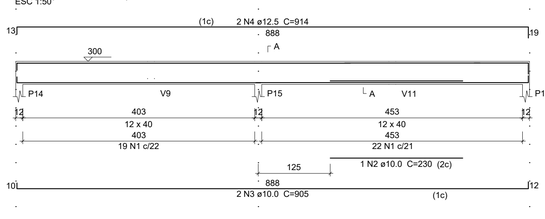
V5 (12 x 40)
ESC 1:50



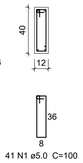
SEÇÃO A-A
ESC 1:25

19 N1 ø5.0 C=100

V6 (12 x 40)
ESC 1:50

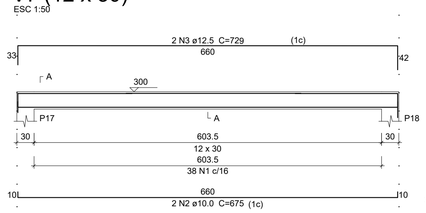


SEÇÃO A-A
ESC 1:25

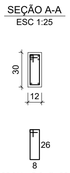


41 N1 ø5.0 C=100

V7 (12 x 30)
ESC 1:50

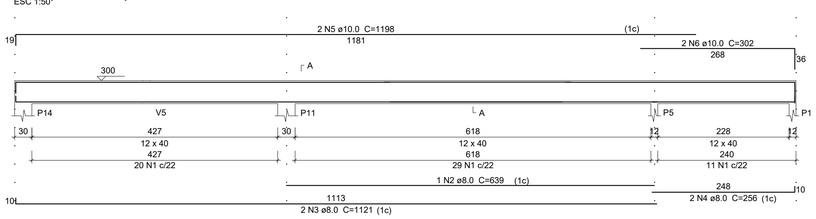


SEÇÃO A-A
ESC 1:25

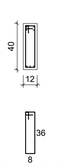


38 N1 ø5.0 C=80

V8 (12 x 40)
ESC 1:50

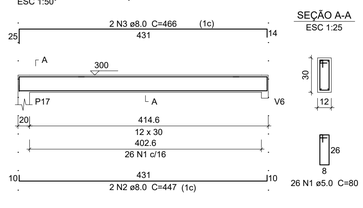


SEÇÃO A-A
ESC 1:25



60 N1 ø5.0 C=100

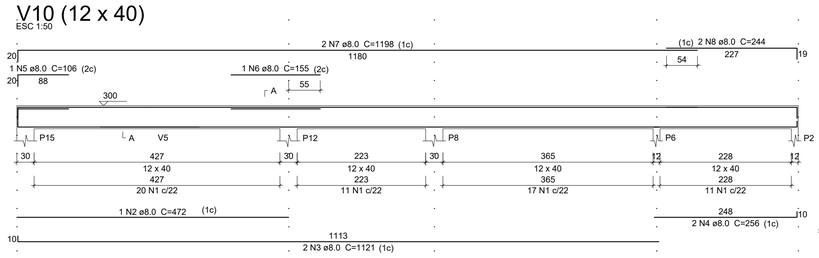
V9 (12 x 30)
ESC 1:50



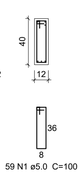
SEÇÃO A-A
ESC 1:25

26 N1 ø5.0 C=80

V10 (12 x 40)
ESC 1:50

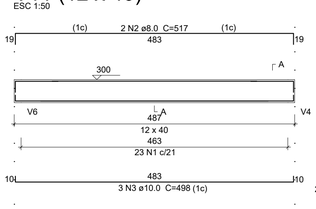


SEÇÃO A-A
ESC 1:25

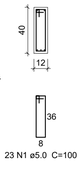


59 N1 ø5.0 C=100

V11 (12 x 40)
ESC 1:50

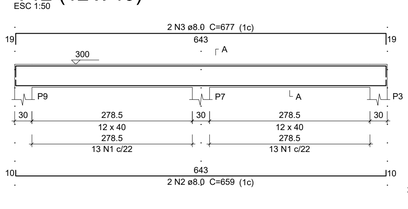


SEÇÃO A-A
ESC 1:25

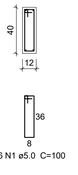


23 N1 ø5.0 C=100

V12 (12 x 40)
ESC 1:50

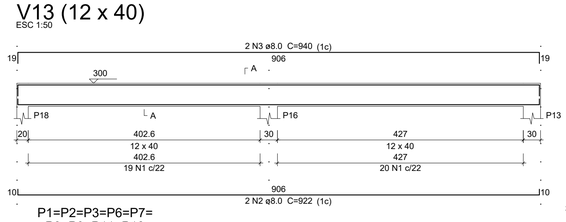


SEÇÃO A-A
ESC 1:25

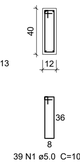


26 N1 ø5.0 C=100

V13 (12 x 40)
ESC 1:50

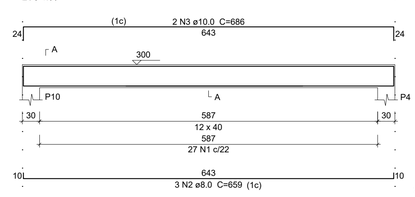


SEÇÃO A-A
ESC 1:25

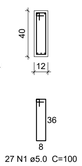


39 N1 ø5.0 C=100

V14 (12 x 40)
ESC 1:50

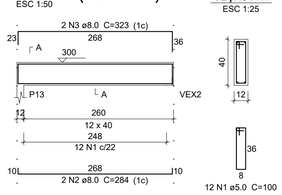


SEÇÃO A-A
ESC 1:25



27 N1 ø5.0 C=100

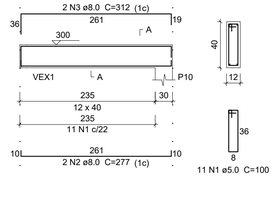
VEX1 (12 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

12 N1 ø5.0 C=100

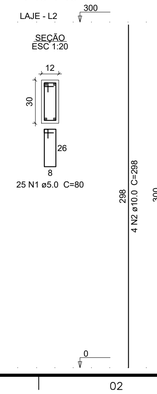
VEX2 (12 x 40)
ESC 1:50



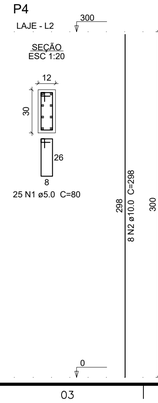
SEÇÃO A-A
ESC 1:25

11 N1 ø5.0 C=100

P1=P2=P3=P6=P7=
=P8=P9=P11=P12=
=P13=P15



P4



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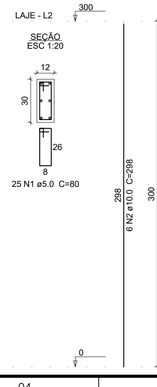

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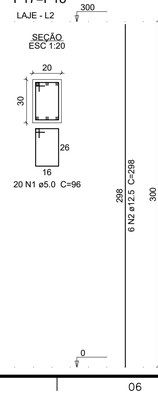

Relação do aço

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
11xP1	CA60	1	5.0	275	80	22000
	CA50	2	10.0	44	298	13112
P4	CA60	1	5.0	25	80	2000
	CA50	2	10.0	8	298	2384
4xP5	CA60	1	5.0	100	80	8000
	CA50	2	10.0	24	298	7152
2xP17	CA60	1	5.0	40	96	3840
	CA50	2	12.5	12	298	3576
V1	CA60	1	5.0	51	100	5100
	CA50	2	8.0	2	1164	2328
	CA50	3	8.0	2	1182	2364
V2	CA60	1	5.0	17	100	1700
	CA50	2	8.0	2	439	878
	CA50	3	8.0	2	457	914
V3	CA60	1	5.0	33	100	3300
	CA50	2	8.0	2	749	1498
	CA50	3	8.0	2	767	1534
V4	CA60	1	5.0	40	100	4000
	CA50	2	8.0	1	185	185
	CA50	3	8.0	2	904	1808
	CA50	4	10.0	2	920	1840
V5	CA60	1	5.0	19	100	1900
	CA50	2	8.0	3	439	1317
	CA50	3	8.0	2	457	914
V6	CA60	1	5.0	41	100	4100
	CA50	2	10.0	1	230	230
	CA50	3	10.0	2	905	1810
	CA50	4	12.5	2	914	1828
V7	CA60	1	5.0	38	80	3040
	CA50	2	10.0	2	675	1350
	CA50	3	12.5	2	729	1458
V8	CA60	1	5.0	60	100	6000
	CA50	2	8.0	1	639	639
	CA50	3	8.0	2	1121	2242
	CA50	4	8.0	2	256	512
	CA50	5	10.0	2	1198	2396
	CA50	6	10.0	2	302	604
V9	CA60	1	5.0	26	80	2080
	CA50	2	8.0	2	447	894
	CA50	3	8.0	2	466	932
V10	CA60	1	5.0	59	100	5900
	CA50	2	8.0	1	472	472
	CA50	3	8.0	2	1121	2242
	CA50	4	8.0	2	256	512
	CA50	5	8.0	1	106	106
	CA50	6	8.0	1	155	155
	CA50	7	8.0	2	1198	2396
	CA50	8	8.0	2	244	488
V11	CA60	1	5.0	23	100	2300
	CA50	2	8.0	2	517	1034
	CA50	3	10.0	3	498	1494
V12	CA60	1	5.0	26	100	2600
	CA50	2	8.0	2	659	1318
	CA50	3	8.0	2	677	1354
V13	CA60	1	5.0	39	100	3900
	CA50	2	8.0	2	922	1844
	CA50	3	8.0	2	940	1880
V14	CA60	1	5.0	27	100	2700
	CA50	2	8.0	3	659	1977
	CA50	3	10.0	2	686	1372
VEX1	CA60	1	5.0	12	100	1200
	CA50	2	8.0	2	284	568
	CA50	3	8.0	2	323	646
VEX2	CA60	1	5.0	11	100	1100
	CA50	2	8.0	2	277	554
	CA50	3	8.0	2	312	624

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	8.0	371.3	35	161.2
	10.0	337.5	31	228.8
	12.5	68.7	7	72.7
CA60	5.0	867.6	-	147.1

PESO TOTAL (kg)	
CA50	462.7
CA60	147.1

Volume de concreto (C-30) = 7.51 m³
Área de forma = 150.54 m²

Projeto:
PROJETO ESTRUTURAL

Local: LAR. DO SUL/Pr

Escala: INDICADA

Data: MAR/2022

Desenho: RODRIGO

Obra:
AMPLIAÇÃO UNIDADE DE SAÚDE DA FAMÍLIA PRESIDENTE VARGAS

Endereço da obra:
PRESIDENTE VARGAS

Área da obra:
ÁREA TOTAL:

Folha:
01/01

Proprietário:
PREF. MUN. DE LARANJEIRAS DO SUL
CNPJ: 76.205.970/0001-95
AV. HONÓRIO BABINSKI - PAÇO MUNICIPAL Nº 01
CEP. 85301-000 FONE (042) 3635-8100
LARANJEIRAS DO SUL/PR

Arquivo Digital: U.S.F.P.R.

Última Atualização: 04 / 03 / 2022

Conteúdo da prancha:
ARMAÇÕES - NIVEL LAJE

\\\\brasão prefeitura.png

Resp.p/ Projeto:
SECRETARIA DE OBRAS E URBANISMO
FONES (042) 3635-8131 e 3635-8107

\\\\LOGO Prefeitura 2017.jpg