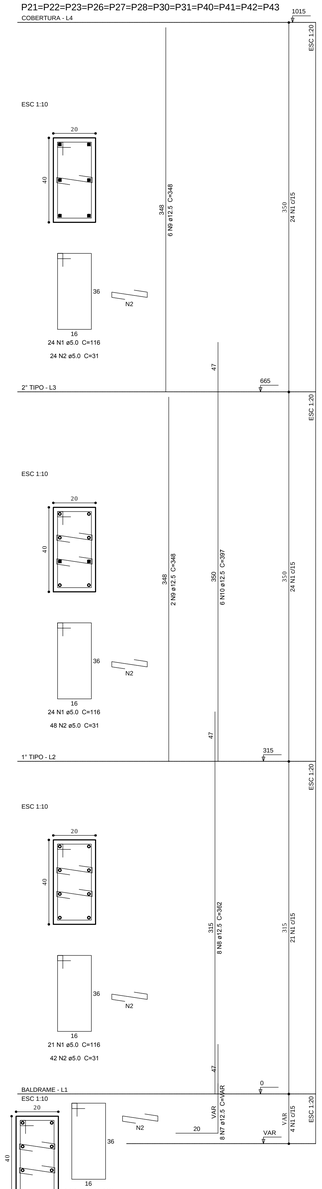
Obs: Direitos autorais conforme Lei nº 9.610 de 19.02.1998.
Criado por **PAR** PROJETOS DE ENGENHARIA E ARQUITETURA LTDA / CLICPROJETO
CREA: PR-5063273/0001-42 Registro Crea-SC: 1-214183-1

P21=P22=P23=P26=P27=P28=P30=P31=P40=P41=P42=P43



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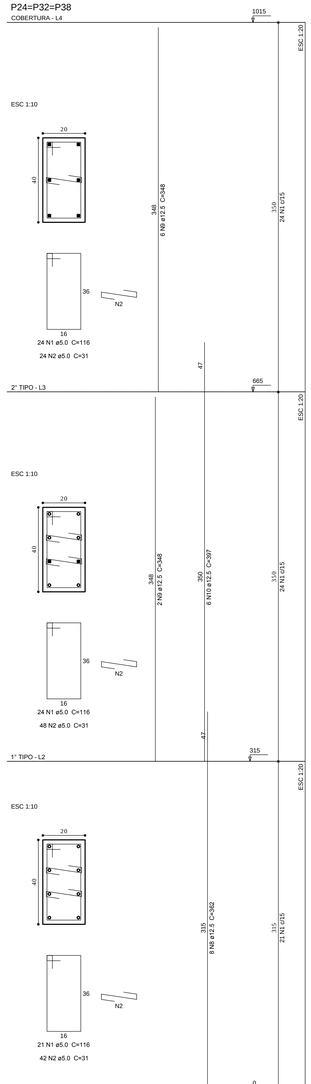
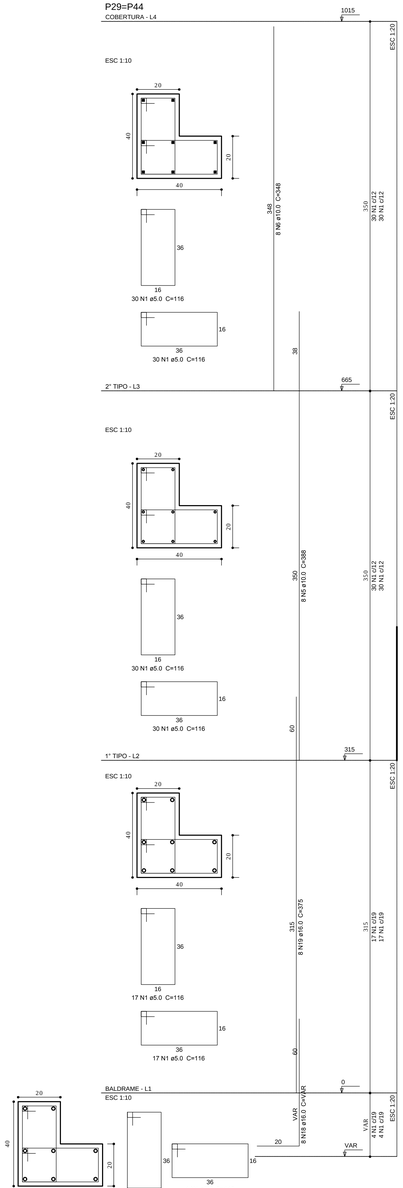


P29=P44



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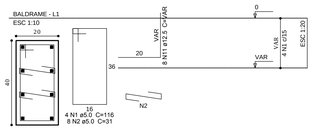
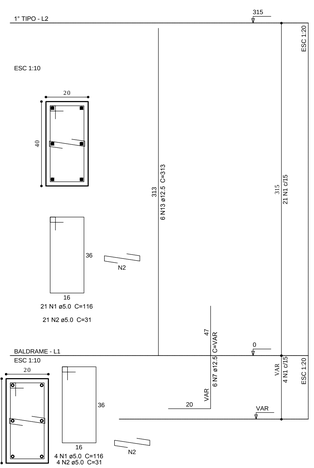
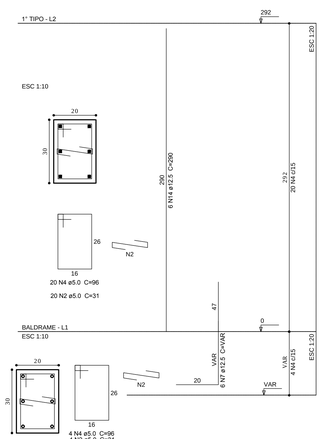


P34



P35



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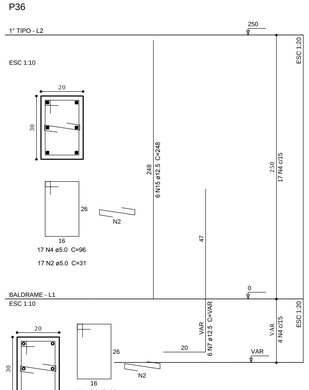
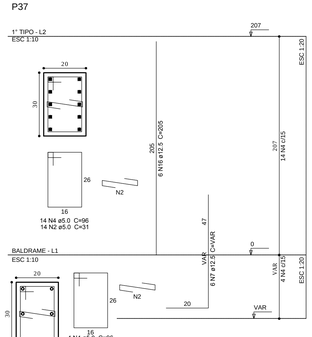


P37



Relação do aço

P21 P22 P23 P24 P25 P26 P27 P28 P29 P30
P31 P32 P33 P34 P35 P36 P37 P38 P39 P40
P41 P42 P43 P44

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1444	116	167504
	2	5.0	1833	31	56823
	3	5.0	19	31	589
	4	5.0	63	96	6048
CA50	5	10.0	16	388	6208
	6	10.0	16	348	5568
	7	12.5	120	VAR	VAR
	8	12.5	120	362	43440
	9	12.5	120	348	41760
	10	12.5	90	397	35730
	11	12.5	24	VAR	VAR
	13	12.5	6	313	1878
	14	12.5	6	290	1740
	15	12.5	6	248	1488
	16	12.5	6	205	1230
	18	16.0	16	VAR	VAR
	19	16.0	16	375	6000

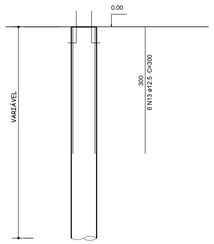
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	BARRAS + 10 % (unid)
CA50	10.0	117.8	11
	12.5	1421.9	130
	16.0	81.8	8
CA60	5.0	2307.7	210

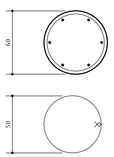
Vol. de concreto total (C-25) = 16.16 m³
Área de forma total = 238.99 m²

B21=B22=B23=B24=B25=B26=B27=B28=B29=B30
B31=B32=B33=B34=B35=B36=B37=B28=B39=B40
B41=B42=B43=B44

Corte
ESC 1:50



Seção
ESC 1:20



BLOCOS

APROVAÇÃO/PREFEITURA

PROJETO
ESTRUTURAL

Responsável Técnico

AMPLIAÇÃO ESCOLA MUNICIPAL PROFº NESTOR MARGARIDA

Rua Tupiniquim - nº 35 - Araponguinhas - Timbó - SC

Engenharia e Arquitetura
Rua Pastor Blumel, 30 - Sala 101-
Edifício Paris - Centro - Timbó - SC
Cep: 89120-000
Fone / Fax: (47) 3382 6464
e-mail: clicprojeto@gmail.com

Prefeitura Municipal de Timbó

Data: Abril/2017

Volume de concreto armado: 166,26m³

Especificação
PILARES EM PRUMADA E BLOCOS

Escala: Indicada

Prancha
03/10

www.cliccprojeto.com