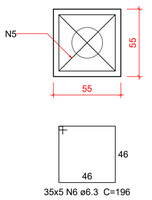
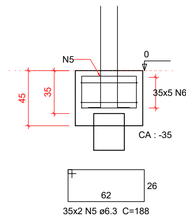
DETALHAMENTO ESTACAS

B1=B2=B5=B6=B7=B8=B9=B10=B15=B16=B19
=B20=B21=B22=B23=B24=B25=B26=B27=B28
=B29=B34=B35=B37=B40=B43=B58=B59=B60
=B61=B62=B64=B65=B66=B71
1xC25

PLANTA
ESC 1:25



CORTE
ESC 1:25



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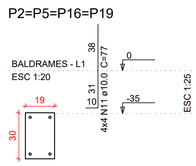

P1=P6=P7=P8=P9=P10=
=P15=P20=P21=P22=
=P23=P24=P25=P26=
=P27=P28=P29=P34=
=P35=P37=P40=P43=
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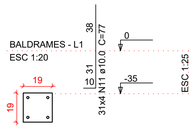
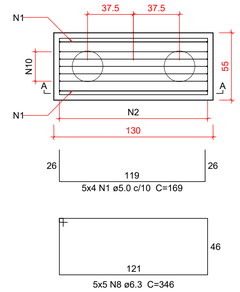
=P62=P64=P65=P66=
=P71

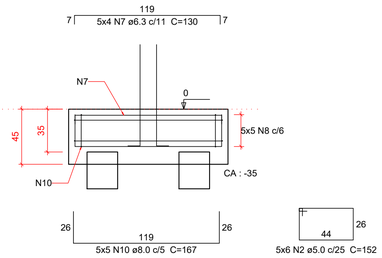


B3=B4=B41=B42=B72
2xC25

PLANTA
ESC 1:25



CORTE A-A
ESC 1:25



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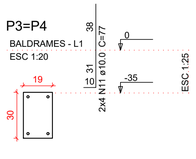

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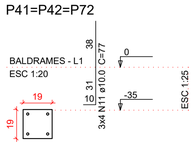
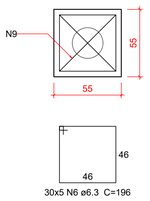
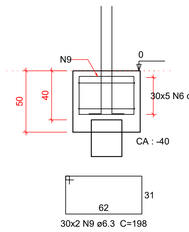


B11=B12=B13=B14=B30=B31=B32=B33=B36=B38
=B39=B44=B45=B46=B47=B48=B49=B50=B51
=B52=B53=B54=B55=B56=B57=B63=B67=B68
=B69=B70
1xC25

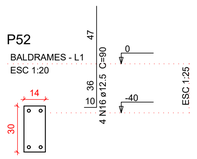
PLANTA
ESC 1:25



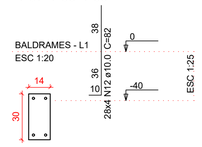
CORTE
ESC 1:25



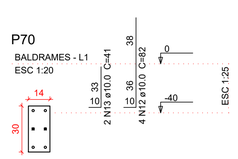
P52



P11=P12=P13=P14=P30=
=P31=P32=P33=P36=
=P38=P39=P44=P45=
=P46=P47=P48=P49=
=P50=P51=P53=P54=
=P55=P56=P57=P63=
=P67=P68=P69

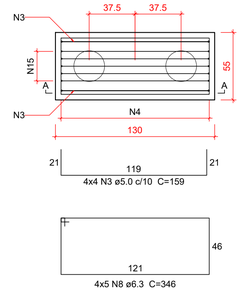


P70

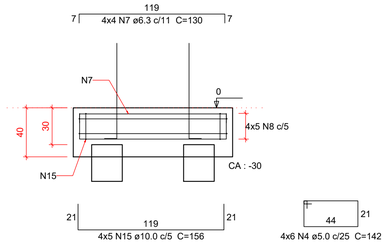


B17=B18=B73=B74
2xC25

PLANTA
ESC 1:25



CORTE A-A
ESC 1:25



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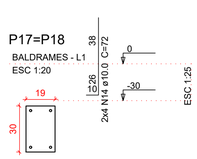

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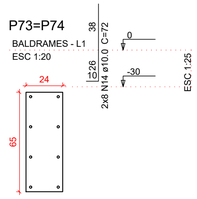
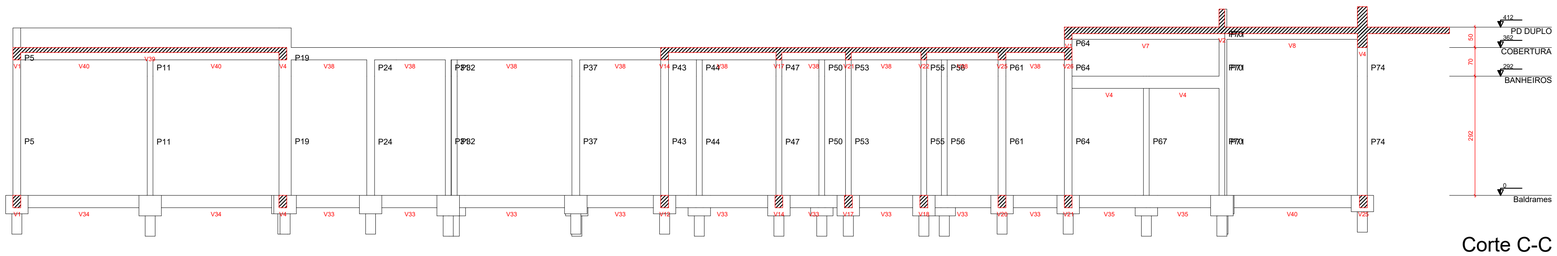
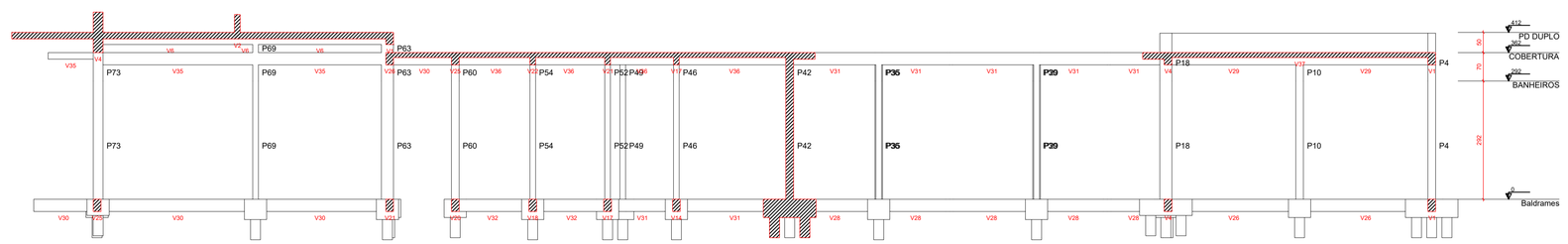




Corte C-C
escala 1:75



Corte D-D
escala 1:75

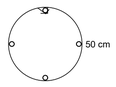
CRITÉRIOS DE PROJETO

1. SOBRECARGAS:
   ALVENARIAS:
   BLOCO CERÂMICO VAZADO (12x14x24cm) REVESTIDO: 1500kg/m³;
   LAJES:
   CARGA ACIDENTAL: 150kgf/m²;
2. CONCRETO:
   ESTACAS: CLASSE 20 (fck >=20MPa)
   DEMAIS ESTRUTURAS: CLASSE 25 (fck >=25MPa);
3. AÇOS:
   CA-50 (fyk >=500MPa)
   CA-60 (fyk >=600MPa)
4. CLASSE DE AGRESSIVIDADE AMBIENTAL MODERADA CONFORME NBR 6118.

NOTAS/ESPECIFICAÇÕES

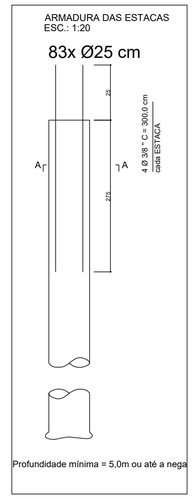
1. TODAS AS COTAS ESTÃO EM CENTÍMETROS E NÍVEIS EM METRO, SALVO INDICAÇÃO CONTRÁRIA;
2. CONFIRMAR TODAS AS MEDIDAS NO LOCAL DA OBRA;
3. DEVERÃO SER UTILIZADOS ESPAÇADORES PLÁSTICOS PARA GARANTIR O RECOBRIMENTO MÍNIMO DAS ARMADURAS;
4. QUALQUER MODIFICAÇÃO NO PROJETO DEVERÁ SER APROVADA POR ESCRITO PELO PROJETISTA RESPONSÁVEL.

SEÇÃO A-A
ESC 1:10



83 x 15 ø5.0 C=50 c/ 20cm

ARMADURA DAS ESTACAS
ESC.: 1:20



Profundidade mínima = 5,0m ou até a nega

RELAÇÃO DOS ELEMENTOS E MATERIAIS

Relação do aço

B42
B73

B70

B71

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	20	169	3380
	2	5.0	30	152	4560
	3	5.0	16	159	2544
	4	5.0	24	142	3408
CA50	5	6.3	70	188	13160
	6	6.3	325	196	63700
	7	6.3	36	130	4680
	8	6.3	45	346	15570
	9	6.3	60	198	11880
	10	8.0	25	167	4175
	11	10.0	160	77	12320
	12	10.0	116	82	9512
	13	10.0	2	41	82
	14	10.0	24	72	1728
	15	10.0	20	156	3120
	16	12.5	4	90	360

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	1089.9	293.4
	8.0	41.8	18.1
	10.0	267.7	181.5
	12.5	3.6	3.8
CA60	5.0	139	23.6

PESO TOTAL (kg)	
CA50	496.8
CA60	23.6

Volume de concreto (C-25) = 12.83 m³
Área de forma = 105.21 m²

Resumo do aço - Estacas

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	996	676
CA60	5.0	622.5	105

PESO TOTAL (kg)	
CA50	676
CA60	105

Volume de concreto (C-20) = 22 m³

VERCESI CARABOLANTE
ARQUITETURA

16 99705 6353
arquitetura@fernandocarabolante.com.br

RESPONSÁVEL TÉCNICO

APROVAÇÕES

EMPREENDIMENTO
Unidade de Reabilitação Físico-Motora

LOCAL
Rua
Cravinhos - SP

ASSUNTO
Fundação: Det. Blocos e Estacas - Cortes C e D

RESPONSÁVEL TÉCNICO / AUTOR DO PROJETO
Fernando Brunhari
Engenheiro Civil - CREA 5069703641

FOLHA No - NOME DO ARQUIVO
02 -22
EC- 02-00.dwg

DATA: 20/12/21
ESCALA: Indicadas
REV.: 00
FASE: PROJETO BÁSICO/EXECUTIVO

EC