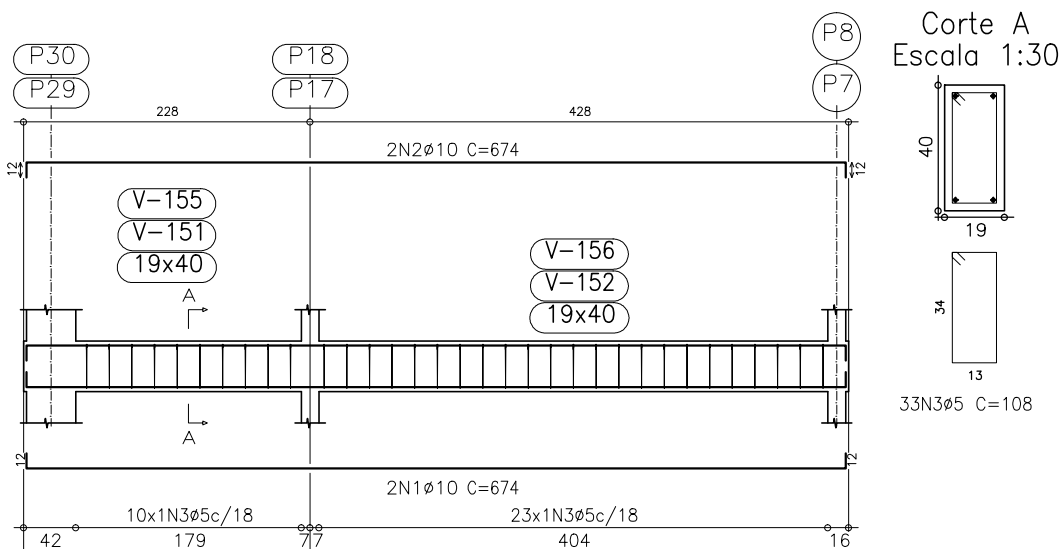
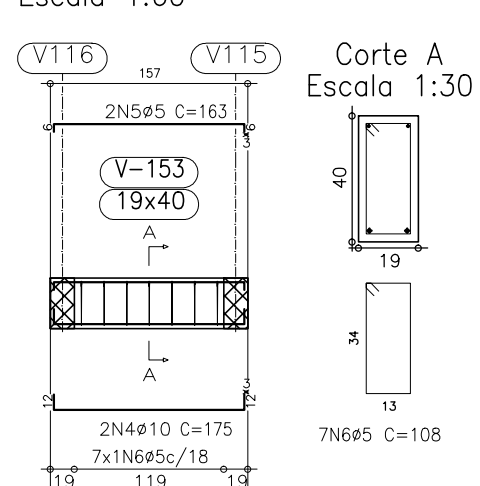


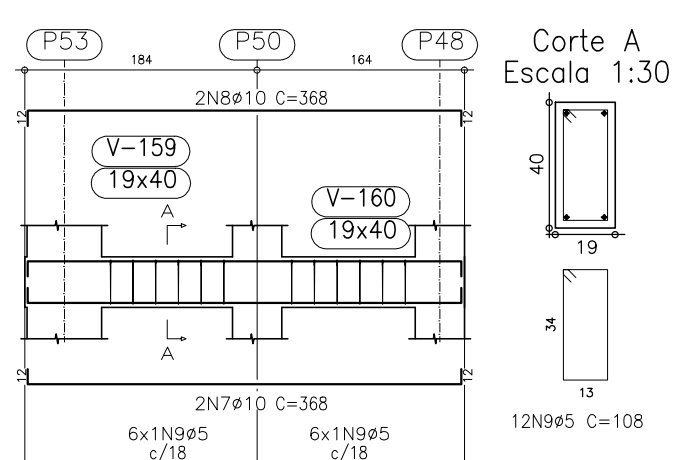
V119
V122
Escala 1:60



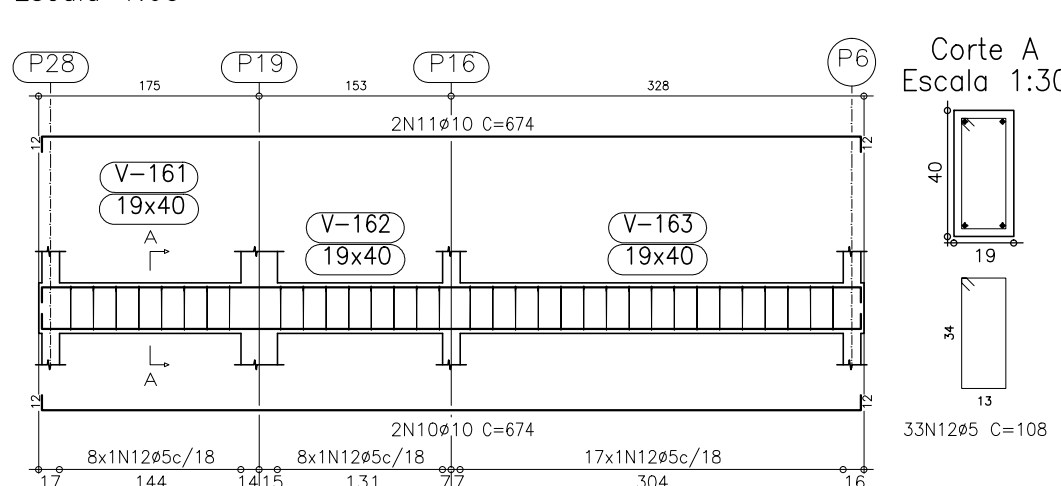
V120
Escala 1:60



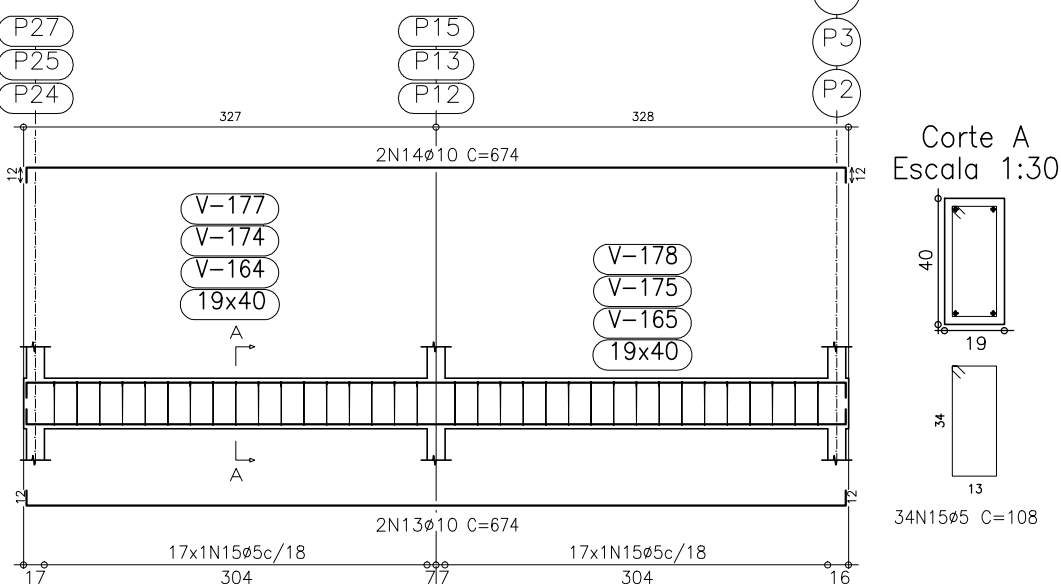
V124
Escala 1:60



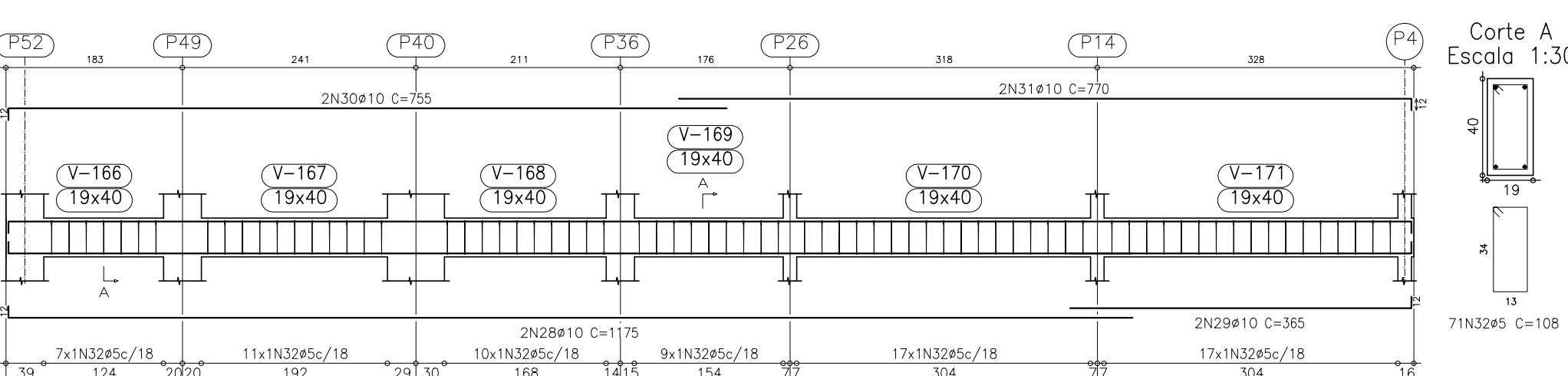
V125
Escala 1:60



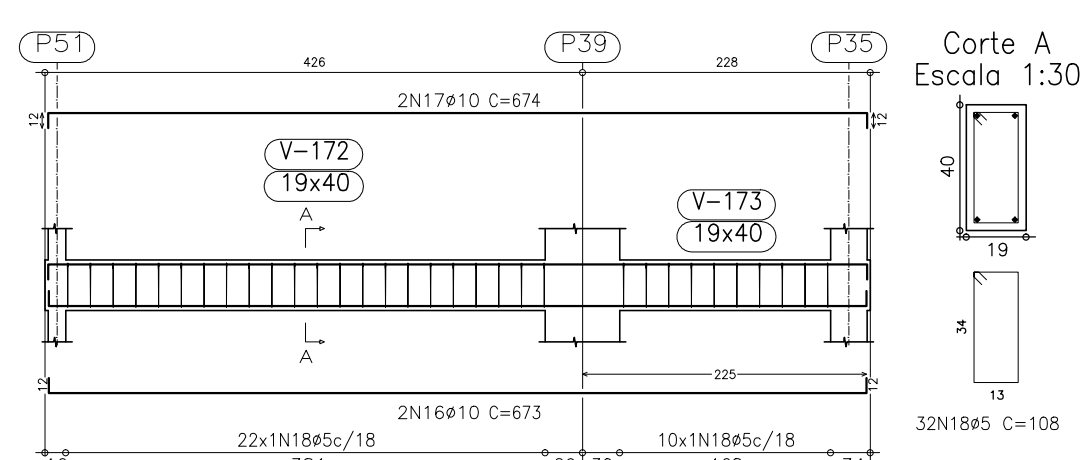
V126
V129
V131
Escala 1:60



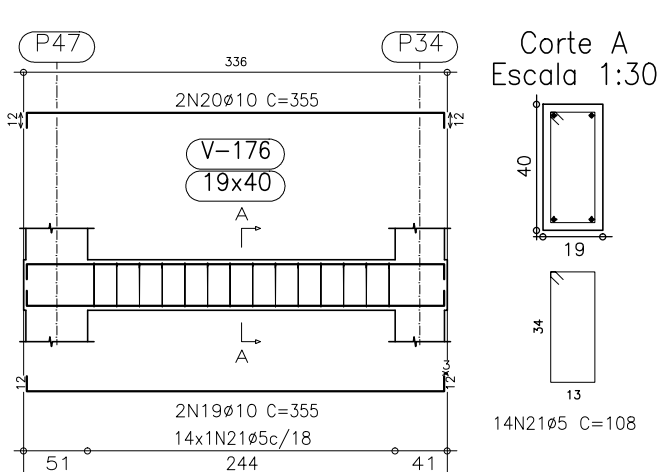
V127
Escala 1:60



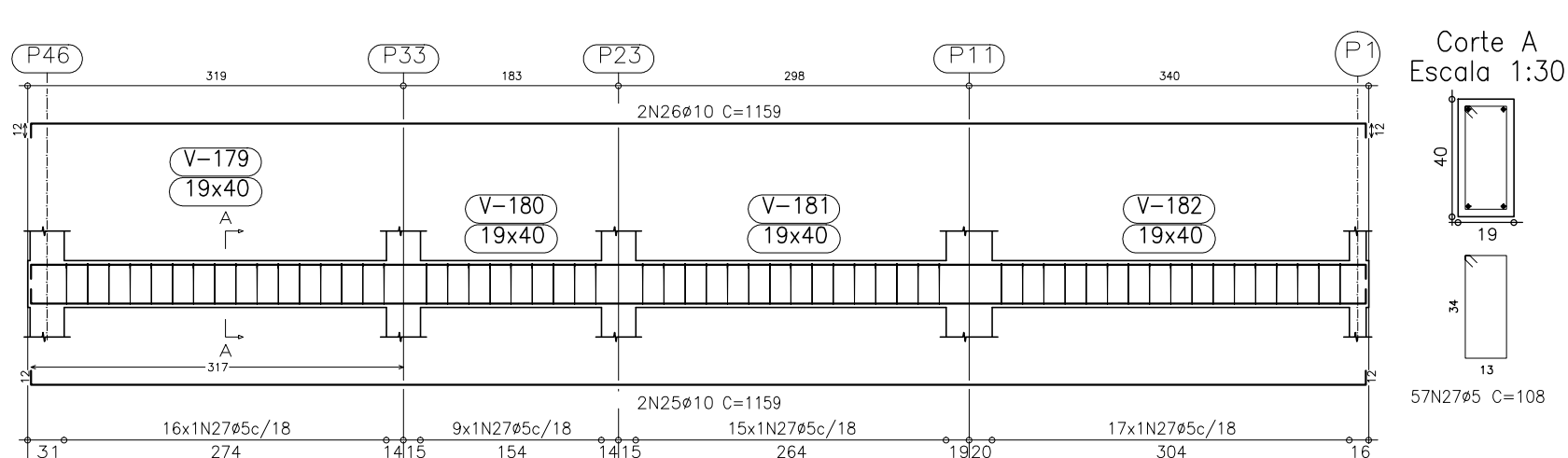
V128
Escala 1:60



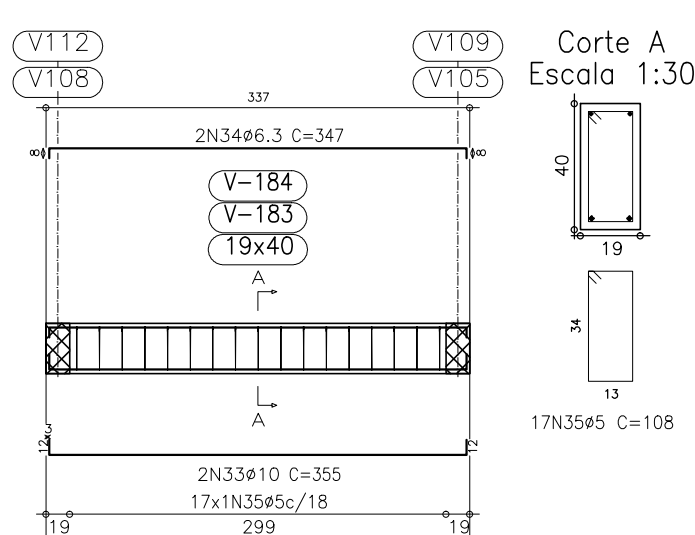
V130
Escala 1:60



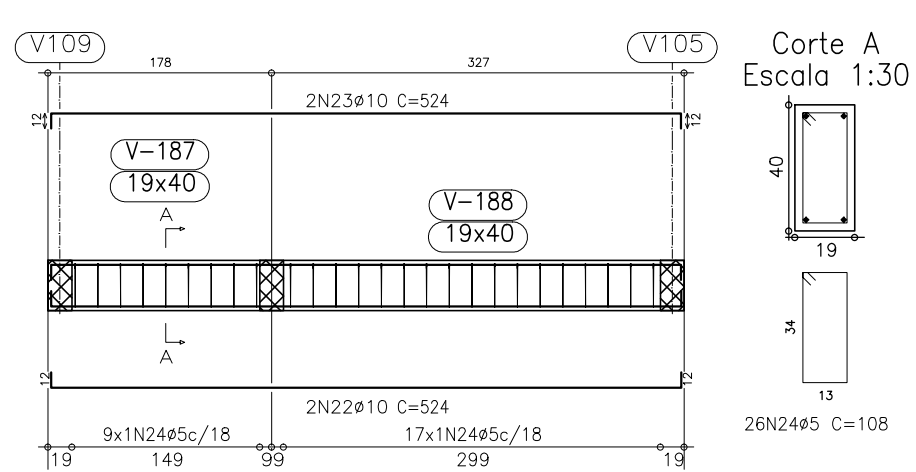
V132
Escala 1:60



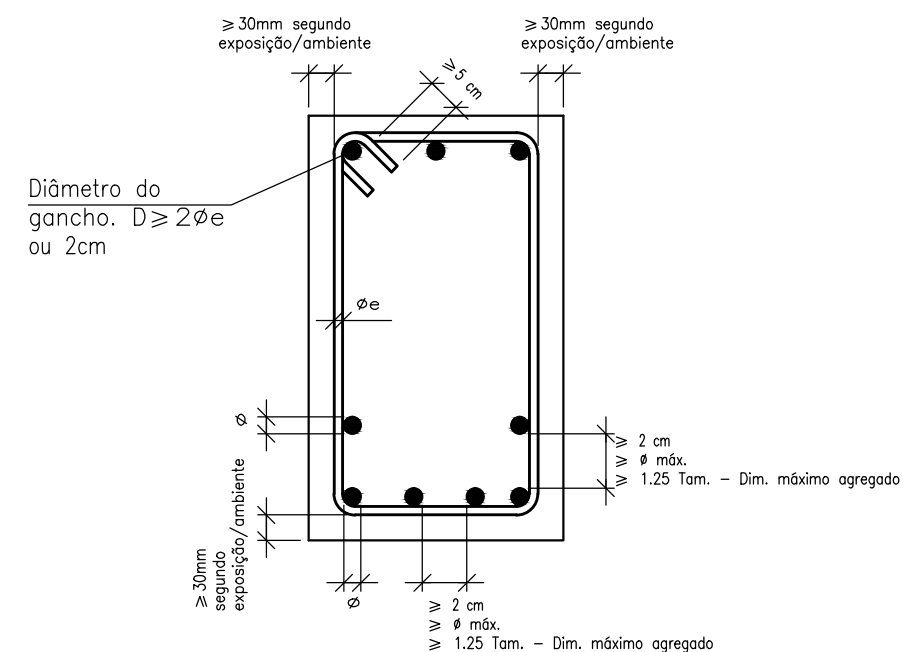
V133
V134
Escala 1:60



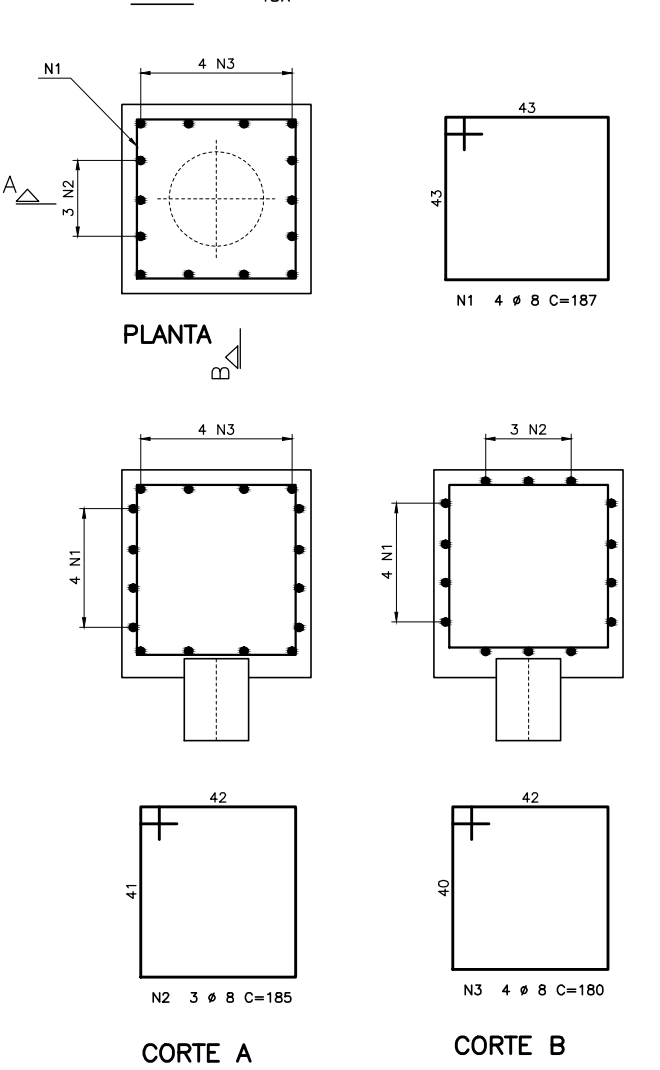
V137
Escala 1:60



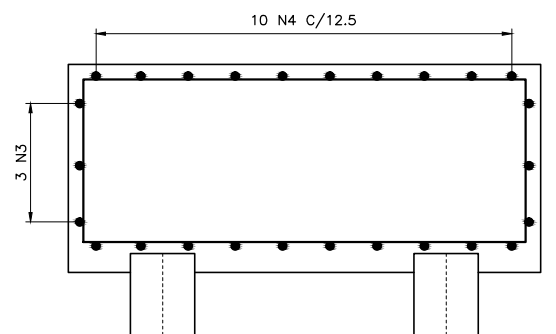
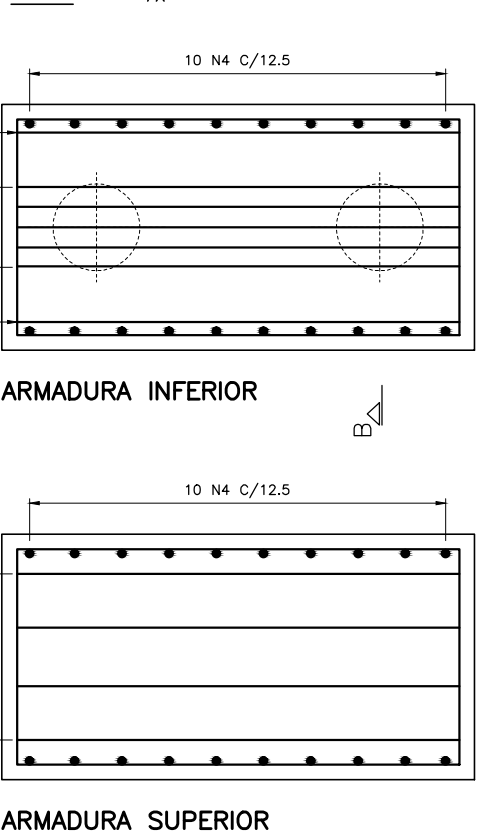
Cobrimentos e espaçamentos entre barras em vigas.



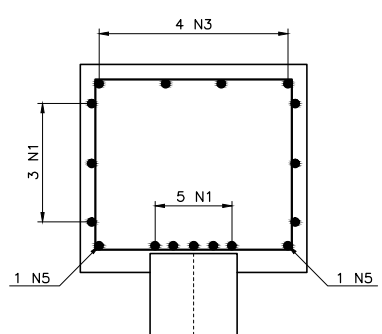
B1
48X



B2
7X



CORTE A



CORTE B

TABELA DE FERROS					
TIPO	POS.	BIT.	QUANT.	C.unt. (cm)	C.Tot. (cm)
B1 (48 X)					
CA-50A	1	8	4	187	748
CA-50A	2	8	3	185	555
CA-50A	3	8	4	180	720
RESUMO DO AÇO +10%					
PESO CA-50A Ø 8		1068,14 m		427,3kg	
PESO TOTAL CA-50A				427,3kg	
PESO TOTAL = 427,3kg					

TABELA DE FERROS					
TIPO	POS.	BIT.	QUANT.	C.Unt. (cm)	C.Tot. (cm)
B2 (7 X)					
CA-50A	1	12,5	5	147	735
CA-50A	2	8	4	147	588
CA-50A	3	6,3	6	179	1074
CA-50A	4	6,3	10	200	2000
CA-50A	5	8	2	147	294
RESUMO DO AÇO +10%					
PESO CA-50A Ø 6,3			236,70 m	59,2kg	
PESO CA-50A Ø 8			67,90 m	27,2kg	
PESO CA-50A Ø 12,5			56,60 m	56,6kg	
PESO TOTAL CA-50A			143,0kg		
PESO TOTAL = 143,0kg					

ESPECIFICAÇÕES

- 1 - CONCRETO ESTRUTURAL fck >= 25 MPa E >= 25000 MPa
- 2 - AÇO CA-50A e CA-60B
- 3 - COBRIMENTO DAS ARMADURA e=3,0cm
- 4 - UTILIZAR ESPAÇADORES EM TODAS AS PEÇAS DE CONCRETO ARMADO
- 5 - CONFERIR TODAS AS MEDIDAS EM OBRA
- 6 - ESTA OBRA DEVERÁ SER EXECUTADA COM CONTROLE RIGOROSO, CONFORME NBR 6118-2003

04			
03			
02			
01			
REV.	MODIFICAÇÃO	RESP.	DATA
ENGENHEIRO RESPONSÁVEL		WILSON JORGE MARQUES - CREA 07.3060794/23	

GRACO PROJETOS, EMPREENDIMENTOS E CONSTRUÇÃO S/C LTDA.
RUA PADRE TEIXEIRA, 1531 - CENTRO - SÃO CARLOS - SP
FONE / FAX: (16) 3372-2188 / 3307-7643 projetos@gracoarq.com.br - www.gracoarq.com.br

PREFEITURA MUNICIPAL DE SÃO CARLOS SECRETARIA MUNICIPAL DE OBRAS PÚBLICAS			
Área Técnica	ESTRUTURA	DES. Nº	EST-04
OBRA:	UNIDADE DE SAÚDE FAMILIAR - USF - CDHU	Folha nº	04/14
LOCAL:	CONJUNTO HABITACIONAL SÃO CARLOS CDHU H. AVENIDA I, SÃO CARLOS, S.P.	Data:	REV/2012
ASSUNTO:	ARMADAÇÃO DAS VIGAS E BLOCOS DA FUNDAÇÃO	PROCESSO Nº	ETAPA: EXECUTIVO
AUTOR DO PROJETO:	Eng. Wilson	DESENHO:	Eng. Wilson
RESPONSÁVEL:	Eng. Wilson	ESCALAS:	Indicadas