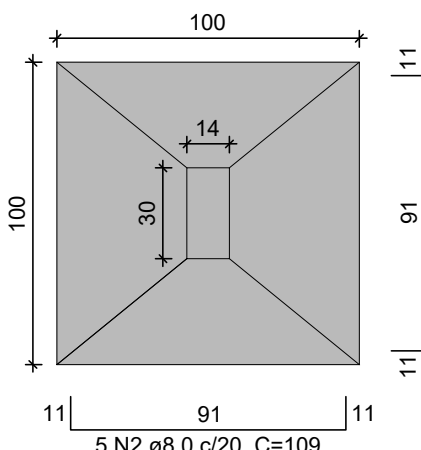


DETALHES SAPATAS

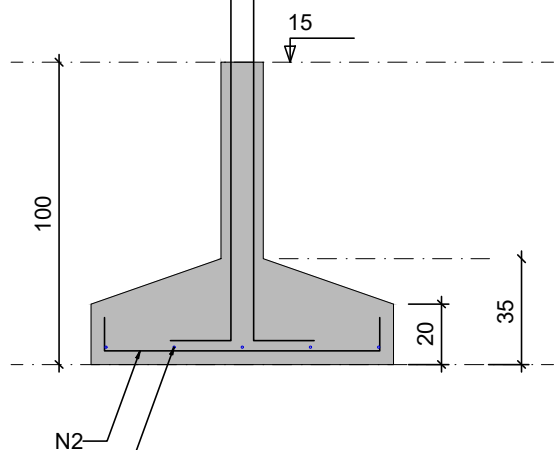
S1=S2=S3=S4=S5=S6=S7=S8=S9=S10=S11=S12  
=S13=S14=S15=S16

PLANTA  
ESC 1:25



Solo com capacidade de suporte > 1.00 kgf/cm²

CORTE  
ESC 1:25



Relação do aço

P1

P4

P2

P3

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	184	79	14536
CA50	2	8.0	10	109	1090
	3	10.0	16	107	1712
	4	10.0	16	348	5568
	5	10.0	16	147	2352

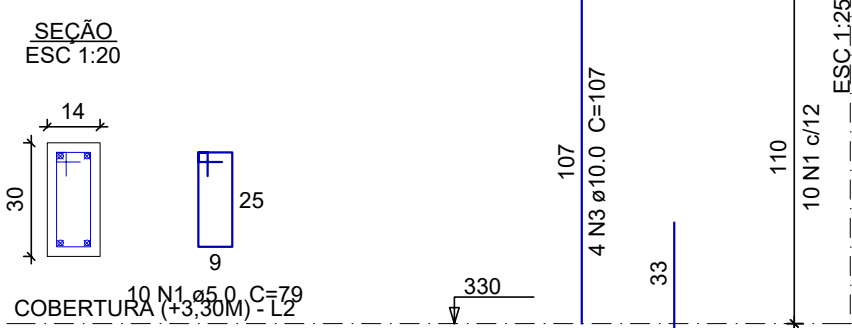
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	8.0	10.9	1	4.7
CA60	10.0	96.4	9	65.3
	5.0	145.4	-	24.6
PESO TOTAL (kg)				
CA50	70.1			
CA60	24.6			

Volume de concreto (C-30) = 0.18 m³  
Área de forma = 3.87 m²

ESTRUTURAL - GILEARD  
P1

PLATIBANDA (+4.95M) - L3

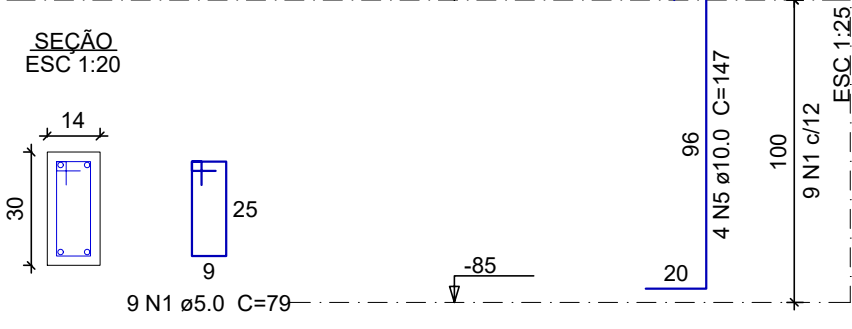


SEÇÃO  
ESC 1:20



27 N1 ø5.0 C=79

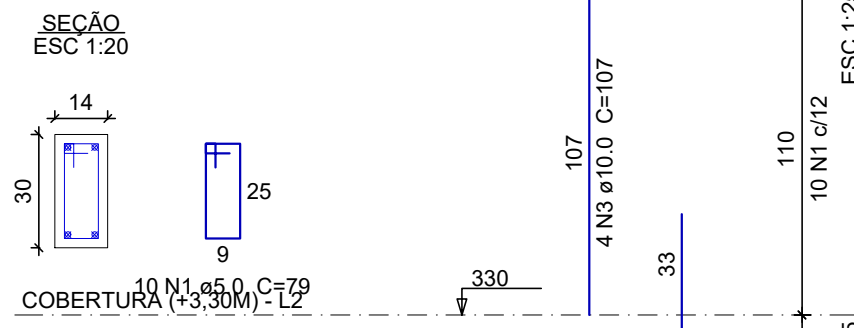
TÉRREO (+0.15M) - L1



9 N1 ø5.0 C=79

ESTRUTURAL - GILEARD  
P2

PLATIBANDA (+4.95M) - L3

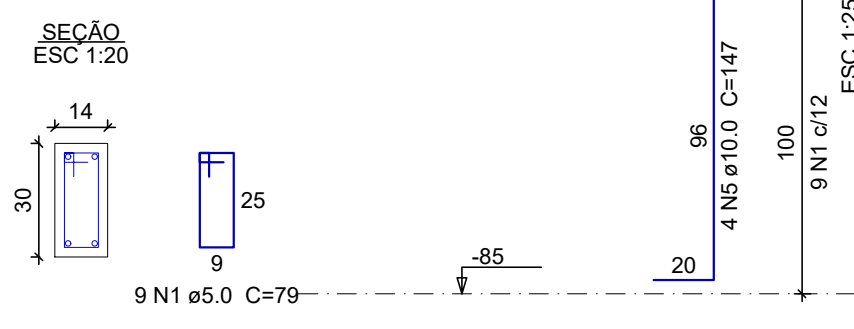


SEÇÃO  
ESC 1:20



27 N1 ø5.0 C=79

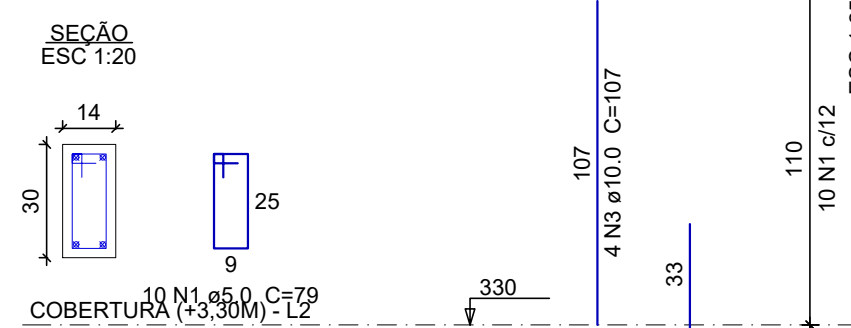
TÉRREO (+0.15M) - L1



9 N1 ø5.0 C=79

ESTRUTURAL - GILEARD  
P3

PLATIBANDA (+4.95M) - L3

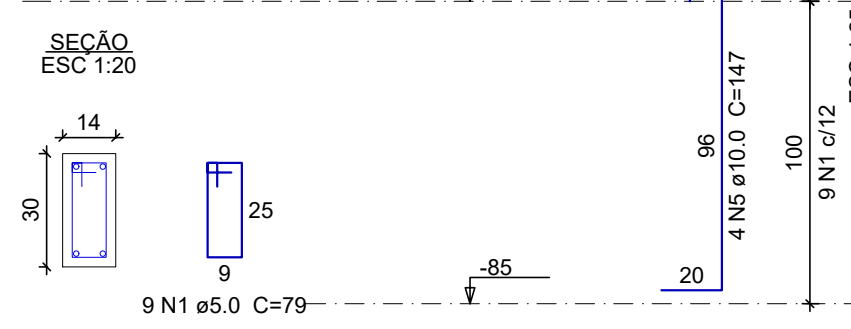


SEÇÃO  
ESC 1:20



27 N1 ø5.0 C=79

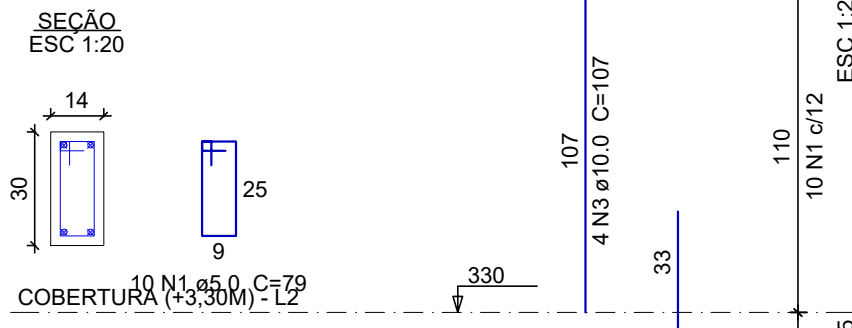
TÉRREO (+0.15M) - L1



9 N1 ø5.0 C=79

ESTRUTURAL - GILEARD  
P4

PLATIBANDA (+4.95M) - L3

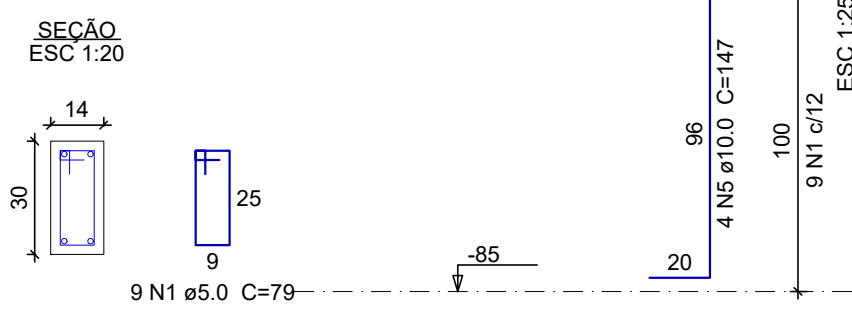


SEÇÃO  
ESC 1:20



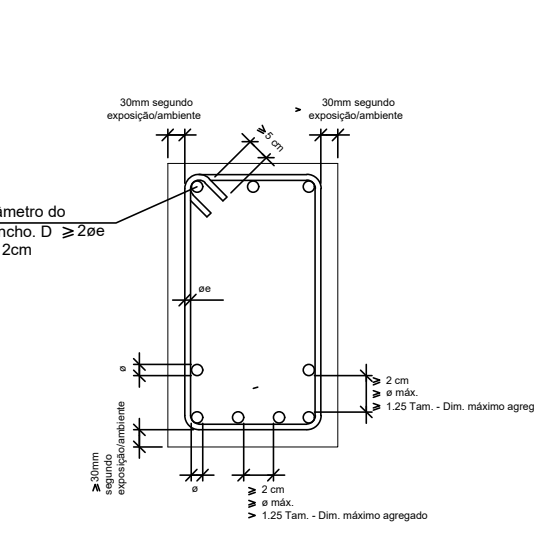
27 N1 ø5.0 C=79

TÉRREO (+0.15M) - L1

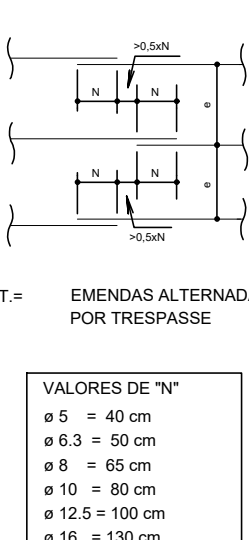


9 N1 ø5.0 C=79

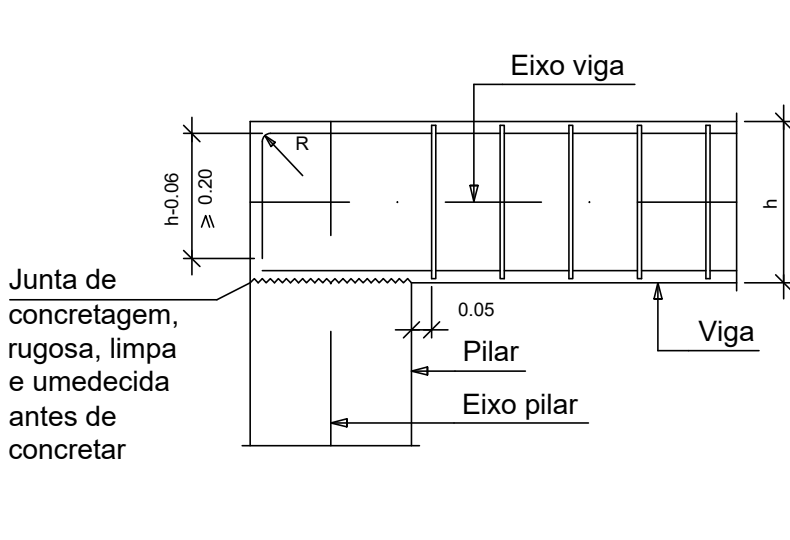
COBRIMENTOS E ESPAÇAMENTOS EM VIGAS E PILARES



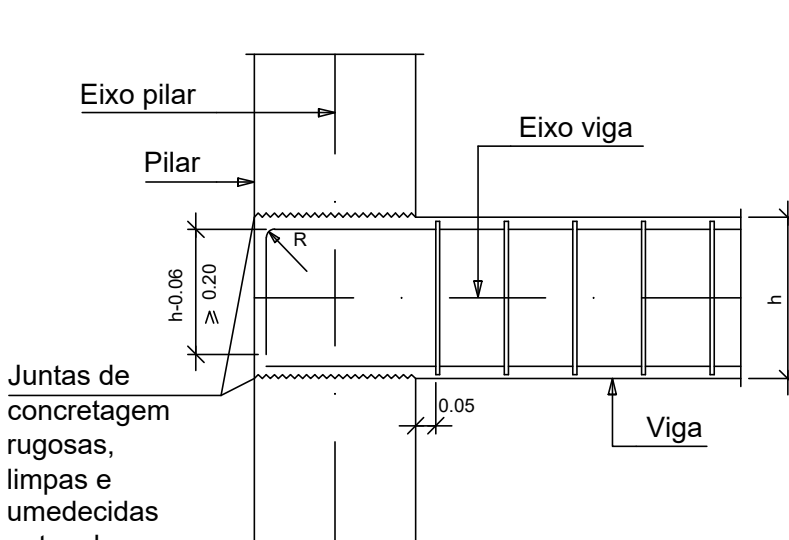
Detalhe de Trespasse



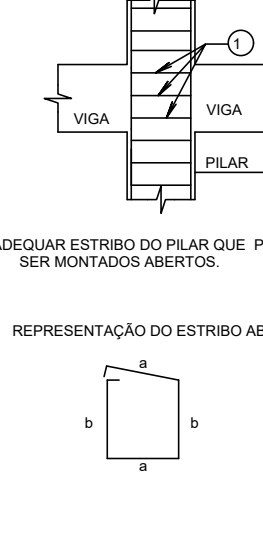
APOIO DE VIGAS EM TOPO DE PILAR



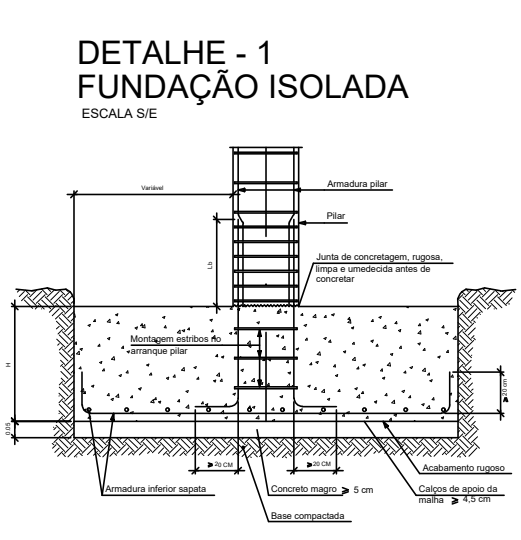
APOIO DE VIGAS EM EXTREMIDADE DE PILAR



DETALHE DE ESTRIBOS DE PILARES EM VIGAS



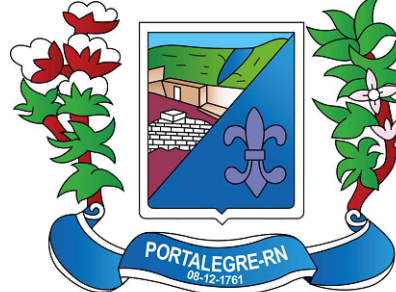
ARRANQUE DE PILARES EM SAPATAS



NOTAS:

\* OBEDECER OS DIÂMETROS DE DOBRAMENTO DAS BARRAS DE AÇO ESPECIFICADOS PELA NBR-6118:  
- 5ø PARA BITOLAS MENORES QUE 20mm  
- 8ø A PARTIR DE 20mm;  
Havendo necessidade de emenda das barras de armadura por transpasse devem ser seguidos os seguintes comprimentos mínimos.

ø (mm)	L (cm)
10	40
12.5	50
16	65
20	80
25	100



PREFEITURA MUNICIPAL DE  
**PORTALEGRE**  
Trabalho e desenvolvimento

Obra: **UNIDADE BÁSICA SAÚDE DO SÍTIO ARROJADO**  
Zona Rural, Sítio Arrojado, Portalegre/RN

Projeto: **PROJETO ESTRUTURAL**

Descrição: **TÉRREO (+0.15M) SAPATAS E PILARES I**

Data: 13/nov/2023 Escala: Indicada Desenho: GILLIARD Conferência: <>

Folha: **3**

Conj.: 1 Pto./Conj.: 13