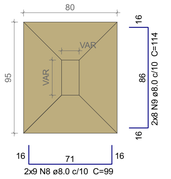
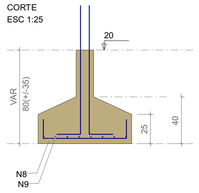
S9=S20

PLANTA
ESC 1:25

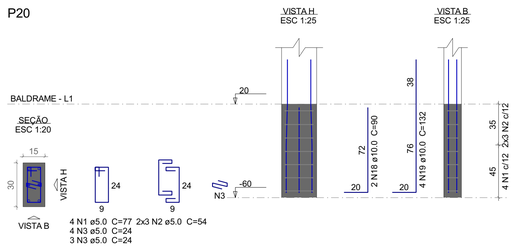


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

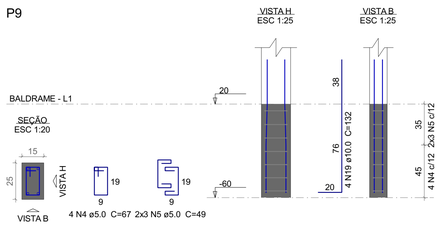


P20



4 N1 ø5.0 C=77 2x3 N2 ø5.0 C=54
4 N3 ø5.0 C=24
3 N3 ø5.0 C=24

P9



4 N4 ø5.0 C=67 2x3 N5 ø5.0 C=49

Relação do aço

S10 S11 S12
S13 S14 S20

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	4	77	308
	2	5.0	6	54	324
	3	5.0	7	24	168
	4	5.0	24	67	1608
	5	5.0	36	49	1764
	6	5.0	4	87	348
	7	5.0	6	59	354
CA50	8	8.0	28	99	2772
	9	8.0	16	114	1824
	10	8.0	12	119	1428
	11	8.0	32	129	4128
	12	8.0	9	94	846
	13	8.0	7	104	728
	14	8.0	8	119	952
	15	8.0	22	139	3058
	16	8.0	11	124	1364
	17	8.0	10	134	1340
	18	10.0	10	90	900
	19	10.0	30	132	3960

Resumo do aço

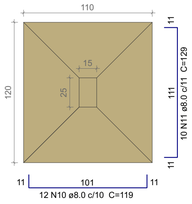
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	184.4	80
	10.0	48.6	33
CA60	5.0	48.8	8.3

PESO TOTAL (kg)	
CA50	113
CA60	8.3

Volume de concreto (C-25) = 2.73 m³
Área de forma = 9.93 m²

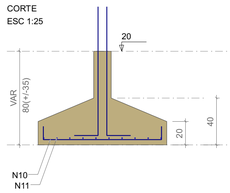
S10

PLANTA
ESC 1:25

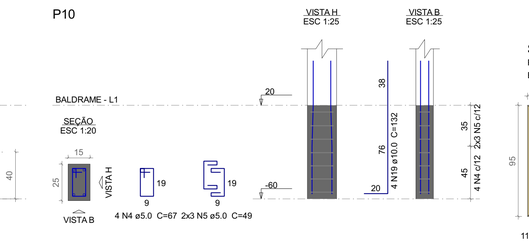


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



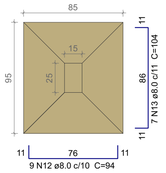
P10



4 N4 ø5.0 C=67 2x3 N5 ø5.0 C=49

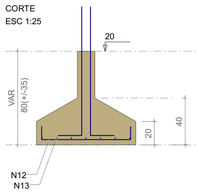
S11

PLANTA
ESC 1:25

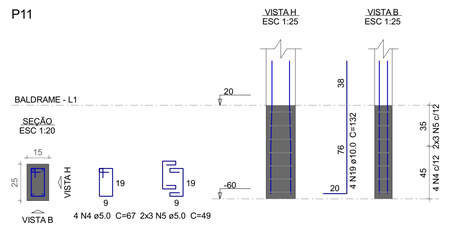


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



P11



4 N4 ø5.0 C=67 2x3 N5 ø5.0 C=49

S12

PLANTA
ESC 1:25

Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

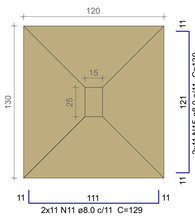
CORTE
ESC 1:25

P12

4 N6 ø5.0 C=87 2x3 N7 ø5.0 C=59

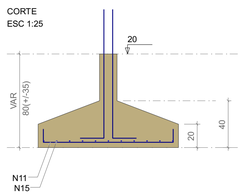
S13=S26

PLANTA
ESC 1:25

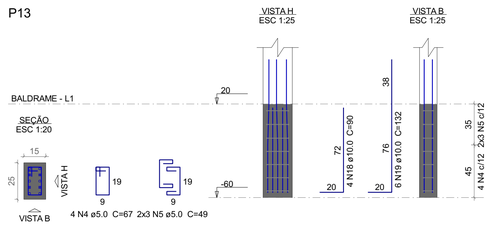


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

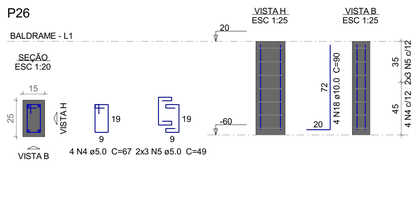


P13



4 N4 ø5.0 C=67 2x3 N5 ø5.0 C=49

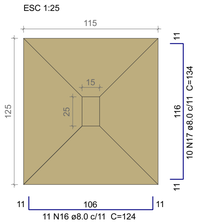
P26



4 N4 ø5.0 C=67 2x3 N5 ø5.0 C=49

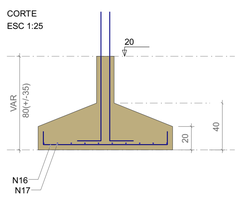
S14

PLANTA
ESC 1:25

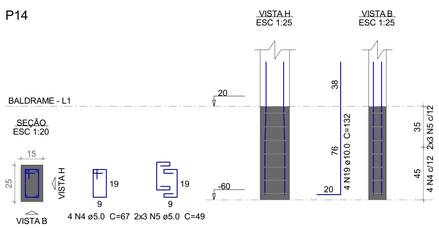


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



P14



4 N4 ø5.0 C=67 2x3 N5 ø5.0 C=49

ENGENHEIRO CIVIL ANDRESSA MAIRA LOPES DE PAULA
CREA 177270/D
Honório Serpa / PR CEP: 85.548-000

RESERVADO PARA ÓRGÃOS PÚBLICOS:

CARIMBOS APROVAÇÃO SAUDE

PROJETO:

PROJETO ESTRUTURAL

PROPRIETÁRIO:
PREFDEITURA MUNICIPAL DE HONÓRIO SERPA
CNPJ: 95260144400001-42

JOAO CARLOS GARBIN:96043377934
Assinado de forma digital por JOAO CARLOS GARBIN:96043377934
Dados: 2025.11.27 14:44:33 -03'00'

JOÃO CARLOS GARBIN
PREFEITO MUNICIPAL

LOCAL DA OBRA:
AVENIDA PARANÁ, Nº 588

MUNICÍPIO:
HONÓRIO SERPA – PR

REFERÊNCIA:	ÁREA:	ESCALA:
ESTRUTURAL	205,13 m²	INDICADA
	DATA: JUNHO 2025	DESENHO: Andressa M. Lopes de Paula

AUTORA DO PROJETO:
ANDRESSA MAIRA LOPES DE PAULA:08158658997
Assinado digitalmente por: ANDRESSA MAIRA LOPES DE PAULA:08158658997
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Folha: