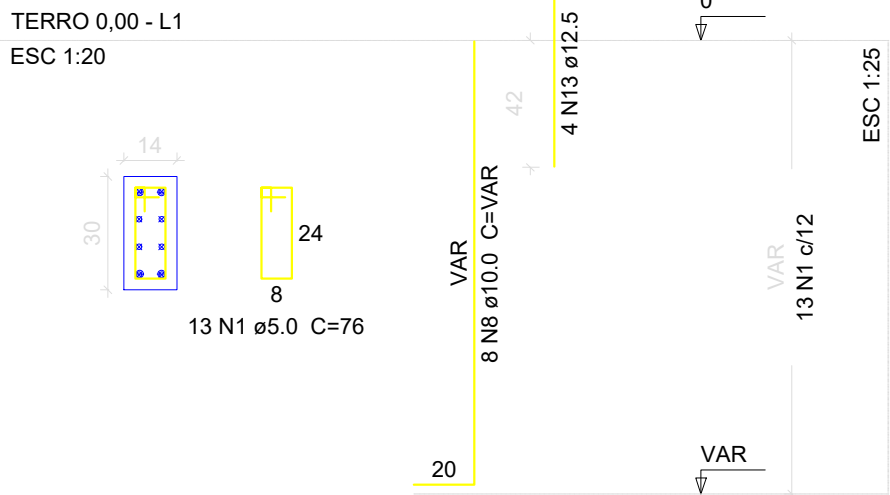
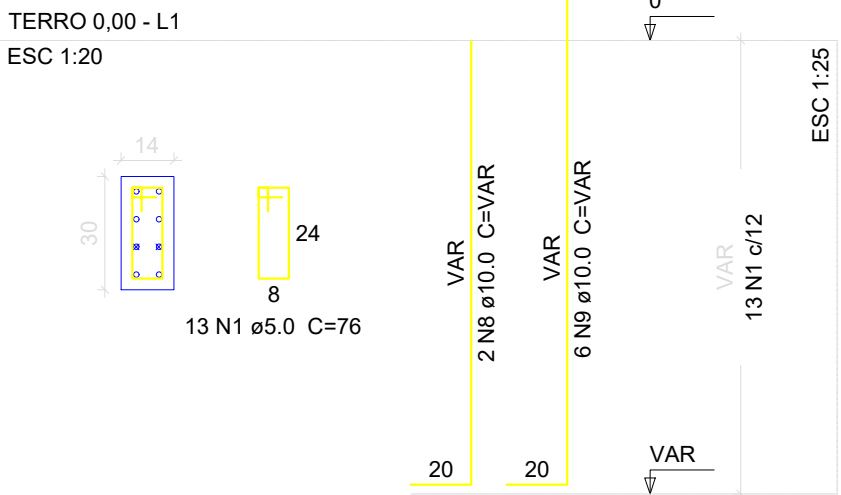


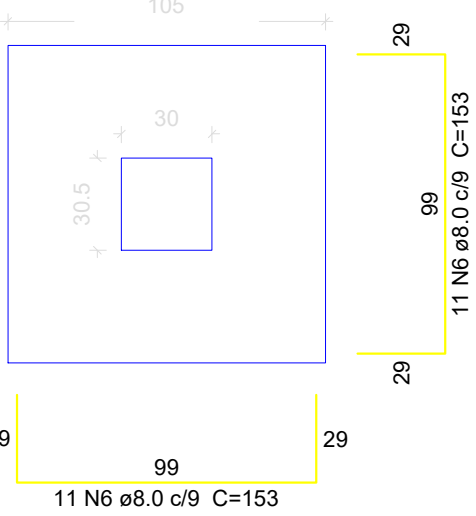
P30



P31

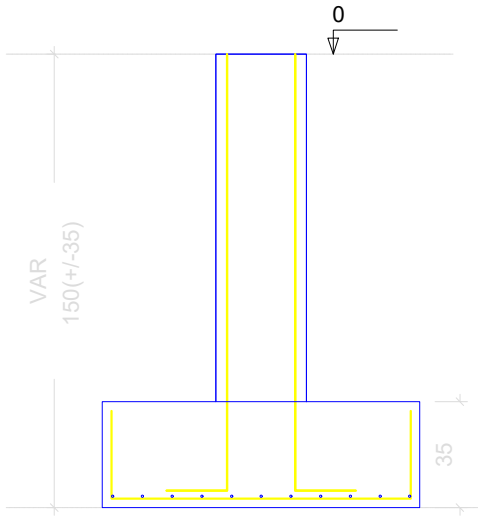


S30-31
PLANTA
ESC 1:25

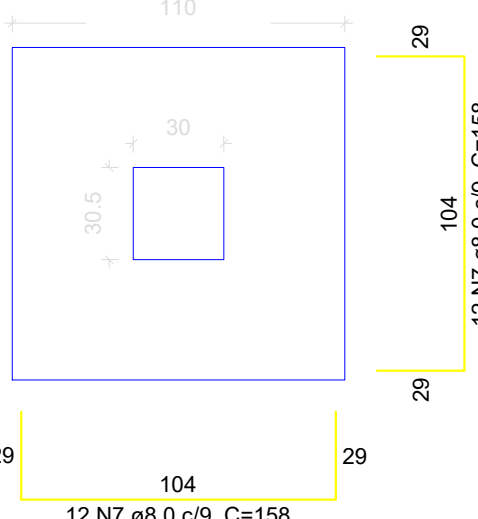


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

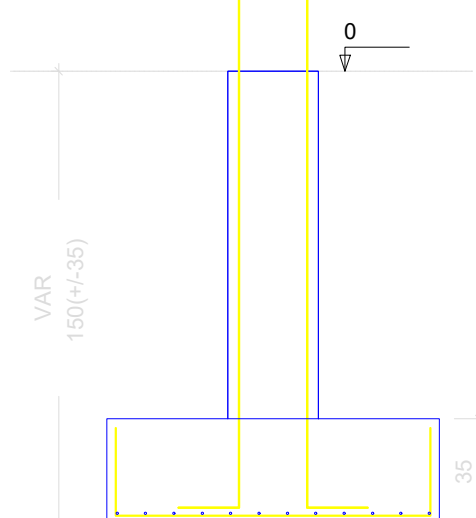


S32-33
PLANTA
ESC 1:25

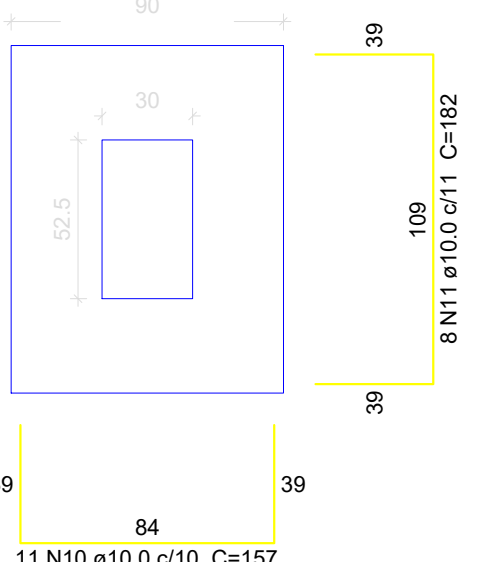


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

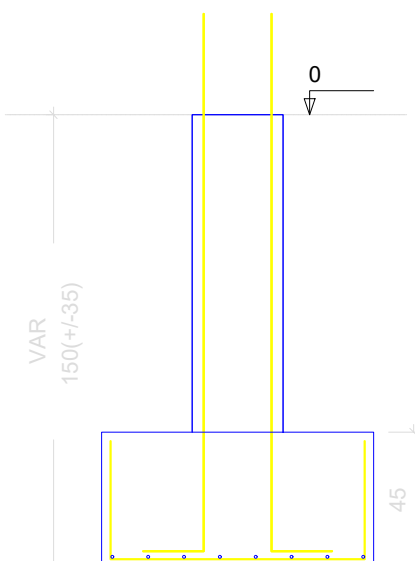


S34-35
PLANTA
ESC 1:25

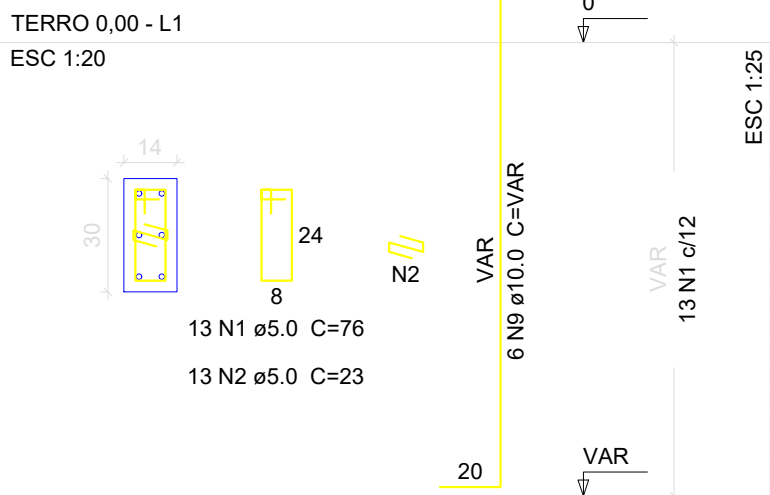


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

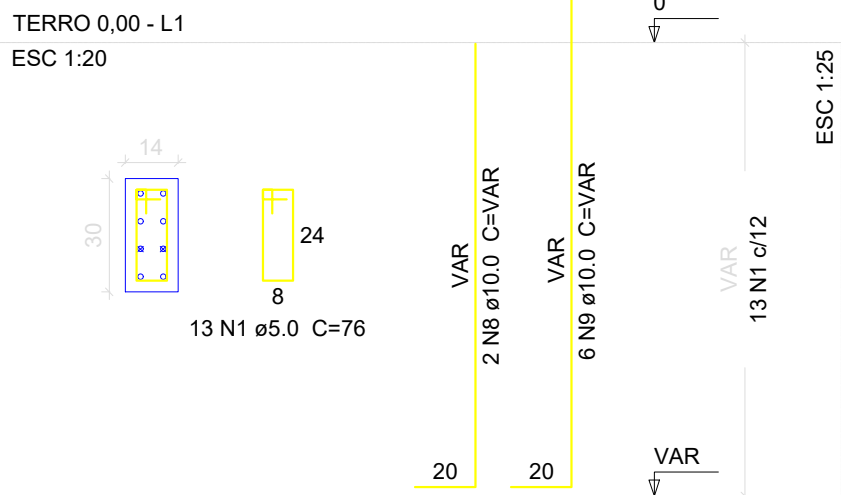
CORTE
ESC 1:25



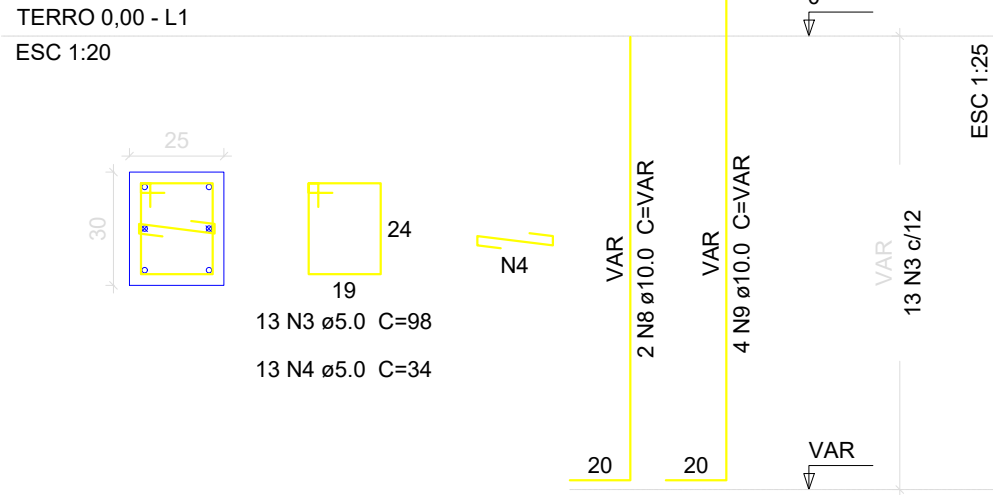
P32



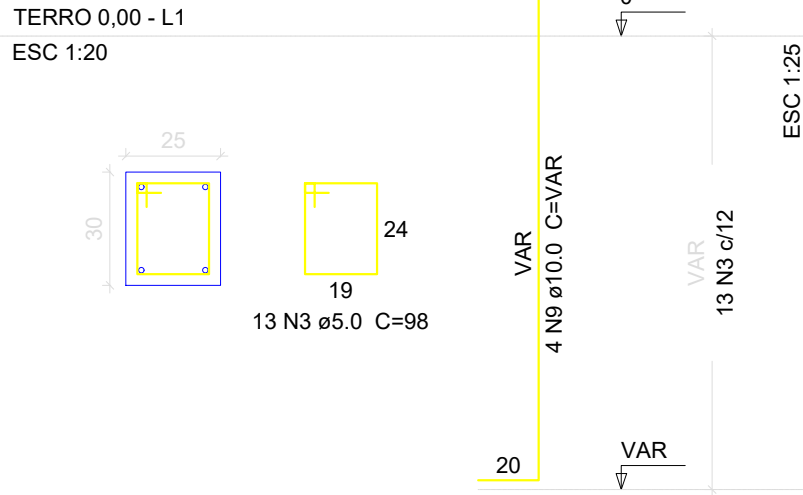
P33



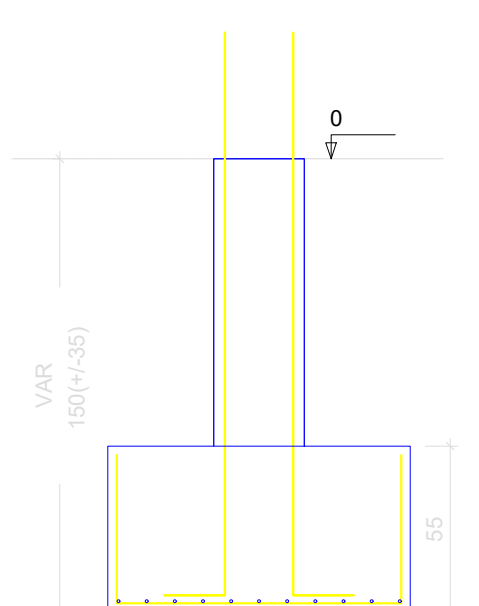
P34



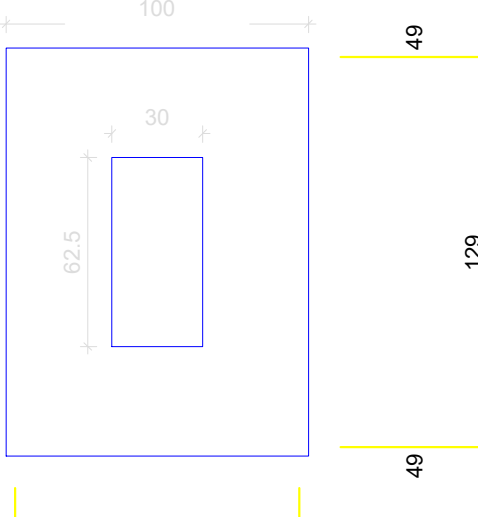
P35



CORTE
ESC 1:25

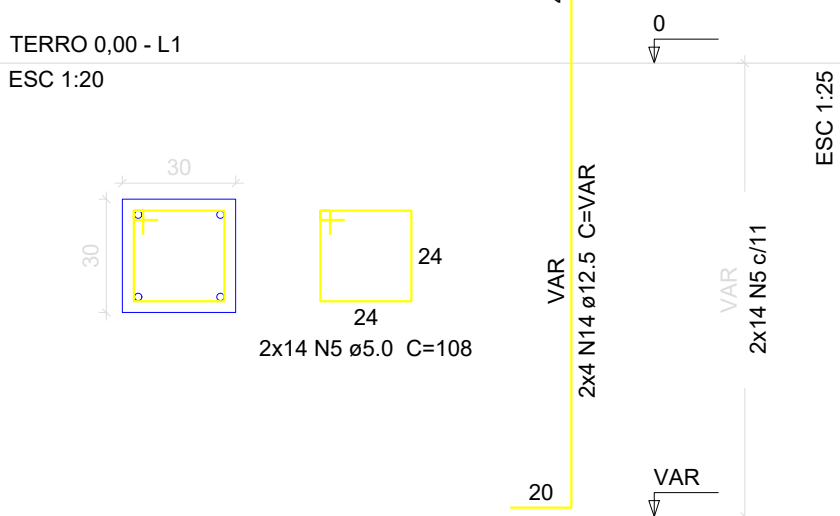


S36-37
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P36=P37



Relação do aço

AÇO	N	DIAM	Q	UNIT	C.TOTAL
				(cm)	(cm)
CA60	1	5.0	52	76	3952
	2	5.0	13	23	299
	3	5.0	26	98	2548
	4	5.0	13	34	442
	5	5.0	28	108	3024
CA50	6	8.0	22	153	3366
	7	8.0	24	158	3792
	8	10.0	14	VAR	VAR
	9	10.0	26	VAR	VAR
	10	10.0	11	157	1727
	11	10.0	8	182	1456
	12	10.0	11	222	2442
	13	12.5	4	83	332
	14	12.5	8	VAR	VAR
	15	12.5	12	186	2232

Resumo do aço

AÇO	DIAM	C.TOTAL	PESO + 10 %
		(m)	(kg)
CA50	8.0	71.6	31.1
	10.0	131.7	89.3
	12.5	42.4	44.9
CA60	5.0	102.7	17.4
PESO TOTAL			
CA50	165.2		
CA60	17.4		

Vol. de concreto total (C-30) = 2.76 m³
Área de forma total = 19.62 m²



ARQUITETURA E ENGENHARIA

> PROJETOS INDUSTRIAIS / COMERCIAIS / RESIDENCIAIS E PÚBLICAS
> ASSESSORIA / CONSULTORIA
> GESTÃO DE OBRAS
> PERÍCIAS
> EXECUÇÃO DE OBRAS

AV. BRASIL, 1225 - SALA 03
UNIVERSITÁRIO
CSP 06699-011 - JARDIM
TEL. (49) 99923 2944
CNPJ 20.270.410/0001-49

48

RESP. TÉCN.:

James André Clauberg
Eng. Civil - CREA 45.160-6

RESP. TÉCN.:

Indiamara de Oliveira Ribeiro
Eng. Civil - CREA 13.4548-3

CLIENTE:

Prefeitura Municipal de Rio Rufino

OBRA:

PROJETO ESTRUTURAL
ESCOLA MUNICIPAL DE RIO RUFINO

PLANTA DE FUNDAÇÃO

DESENHO:

ESCALA:

DATA:

OUT/2022