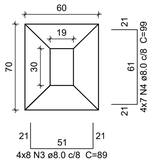
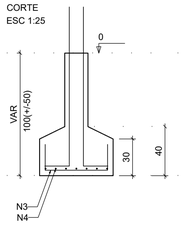
S7=S9=S10=S11

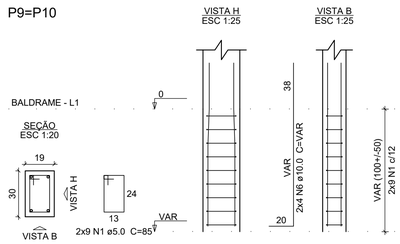
PLANTA
ESC 1:25



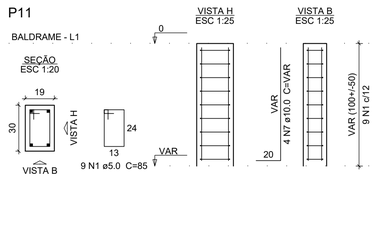
CORTE
ESC 1:25



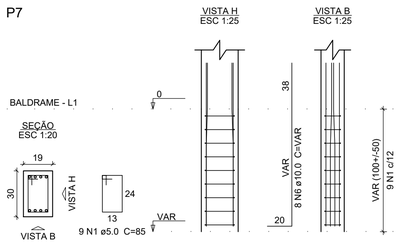
P9=P10



P11

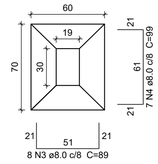


P7

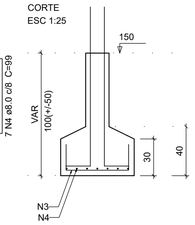


S6

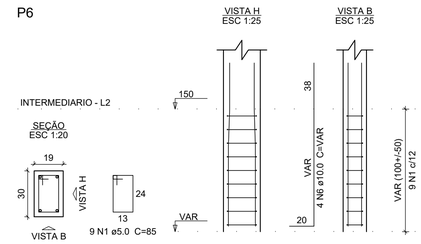
PLANTA
ESC 1:25



CORTE
ESC 1:25

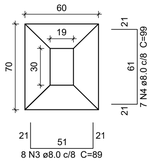


P6

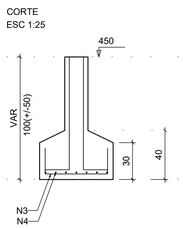


S3

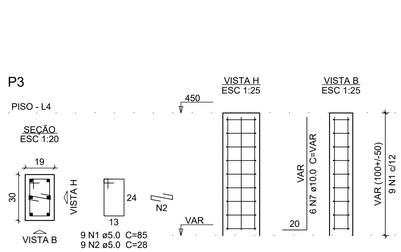
PLANTA
ESC 1:25



CORTE
ESC 1:25

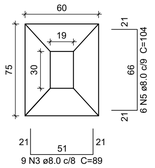


P3

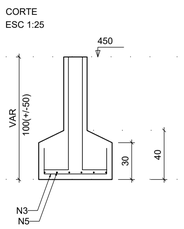


S4

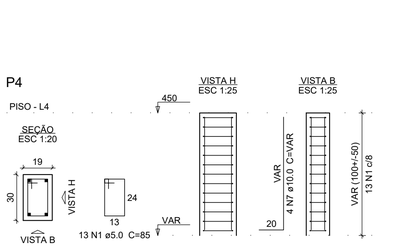
PLANTA
ESC 1:25



CORTE
ESC 1:25

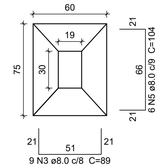


P4

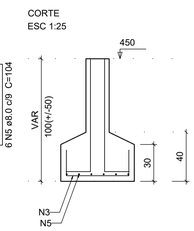


S1

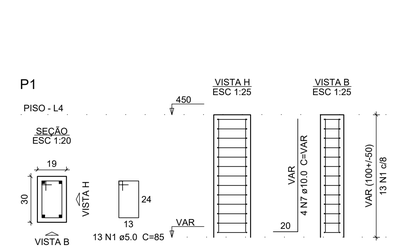
PLANTA
ESC 1:25



CORTE
ESC 1:25

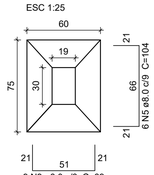


P1

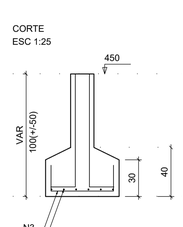


S2

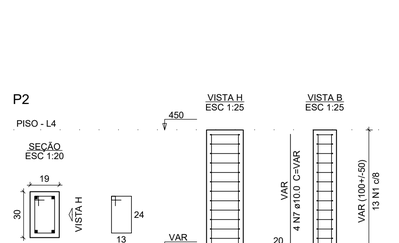
PLANTA
ESC 1:25



CORTE
ESC 1:25

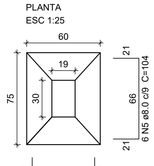


P2

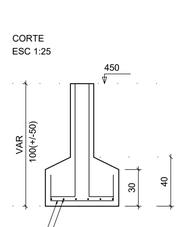


S8

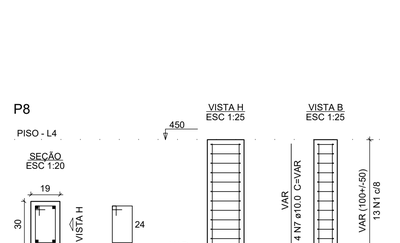
PLANTA
ESC 1:25



CORTE
ESC 1:25

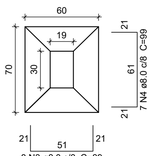


P8

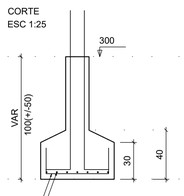


S5

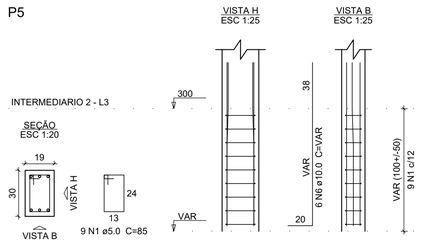
PLANTA
ESC 1:25



CORTE
ESC 1:25



P5



Relação do aço

BALDRAME:	S10		S8
INTERMEDIARIO:	S6		
INTERMEDIARIO 2:	S5		
	S1		S2
PISO:	S3		S4

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	115	85	9775
	2	5.0	9	28	252
CA50	3	8.0	92	89	8188
	4	8.0	49	99	4851
	5	8.0	24	104	2496
	6	10.0	26	VAR	VAR
	7	10.0	26	VAR	VAR

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	155.4	67.4
	10.0	68.2	46.2
CA60	5.0	100.3	17

PESO TOTAL (kg)	
CA50	113.6
CA60	17

Volume de concreto (C-25) = 2.03 m³
Área de forma = 15.17 m²

TRMUNCHEN ENGENHARIA
trmunchen@outlook.com (51) 9 9509 6182

OBRA: NOVA SEDE DEFESA CIVÍL E CORPO DE BOMBEIROS	ÁREA À CONSTRUIR: 644,46 m²
LOCAL: Rua Firmino Britz, S/N Centro - Feliz	EQUIPE TÉCNICA: TRMUNCHEN ENGENHARIA
PROPRIETARIO: MUNICÍPIO DE FELIZ CNPJ: 87.838.330/0001-39	RESP. TÉCNICO - ENGENHEIRO CIVIL: TIAGO RODRIGO MÜNCHEN CREA/RS: 251585
CONTEÚDO: MURO LATERAL FUNDAÇÕES	PROJETO: PROJETO ESTRUTURAL

ESCALA:	DESENHISTA:	DATA:	FOLHA:
INDICADA	TIAGO RODRIGO MÜNCHEN	JUL/2026	15/ 18

DIREITOS AUTORAIS RESERVADOS. PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL.