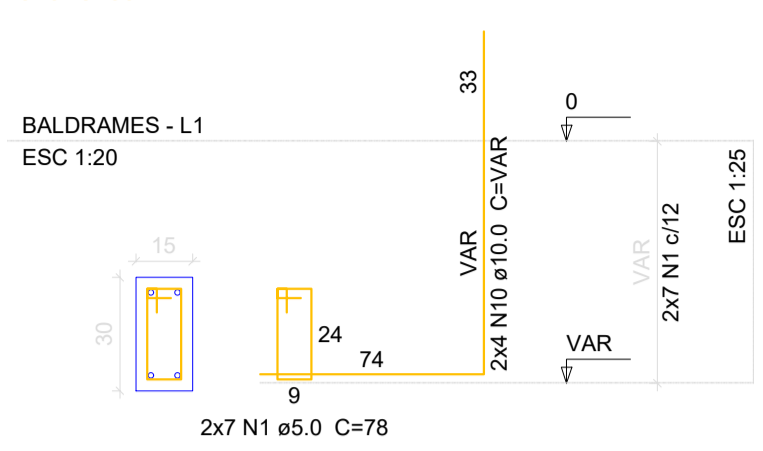
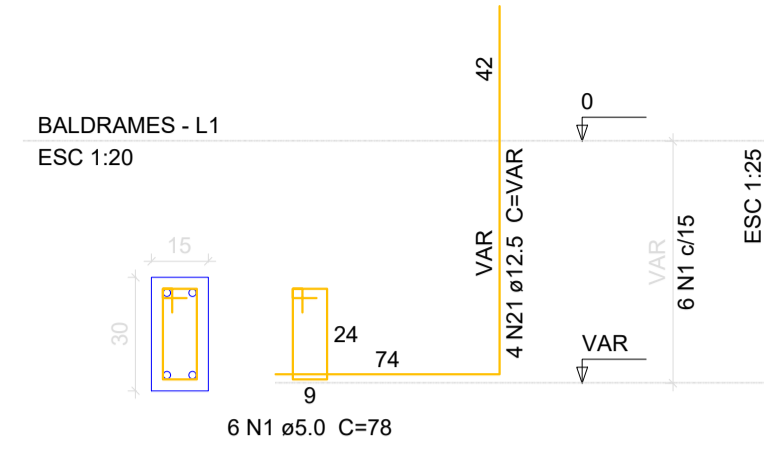


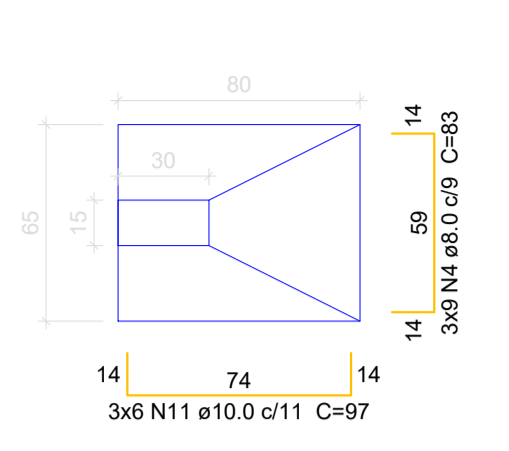
P1=P17



P18

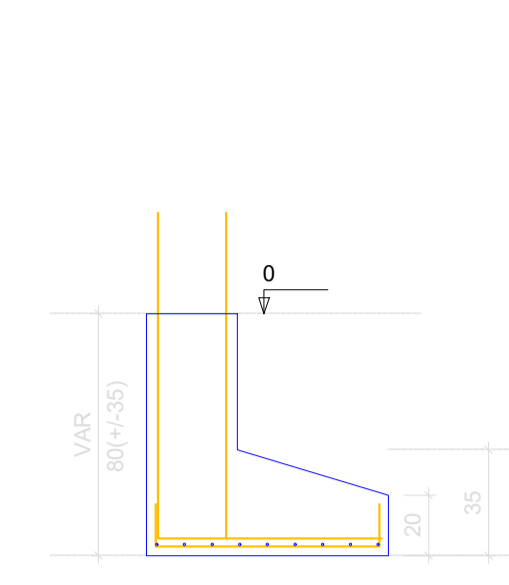


S1=S17=S18  
PLANTA  
ESC 1:25

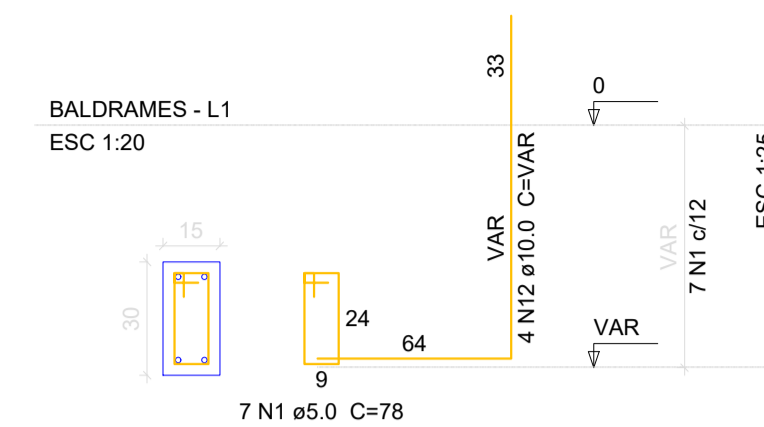


Solo com capacidade de suporte > 2.50 kgf/cm<sup>2</sup>  
Solo compactado sobre a sapata  
peso específico > 1600.00 kgf/m<sup>3</sup>

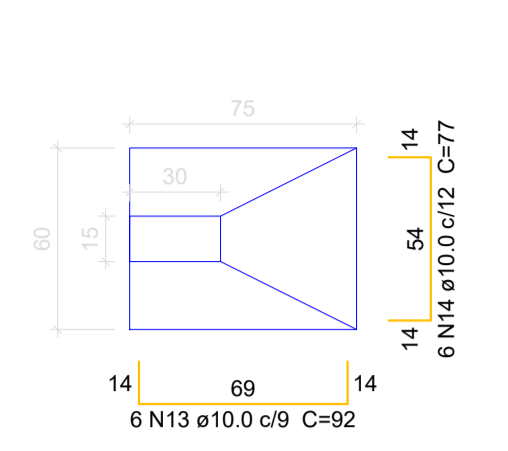
CORTE  
ESC 1:25



P2=P4=P8=P11=P13=P14=P15=P19

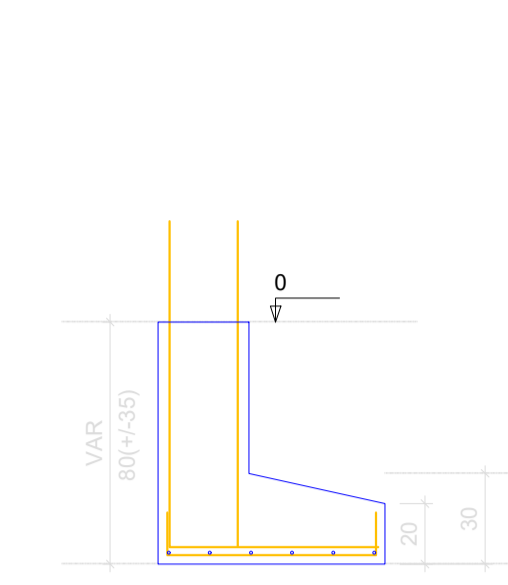


S2=S4=S8=S11=S13=S14=S15=S19  
PLANTA  
ESC 1:25

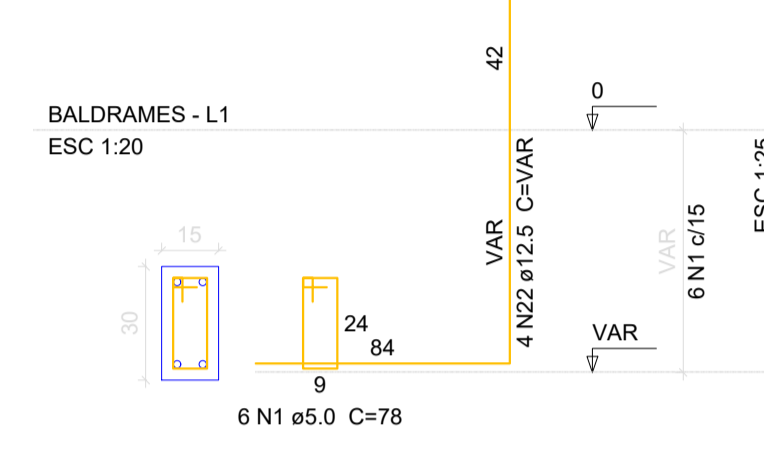


Solo com capacidade de suporte > 2.50 kgf/cm<sup>2</sup>  
Solo compactado sobre a sapata  
peso específico > 1600.00 kgf/m<sup>3</sup>

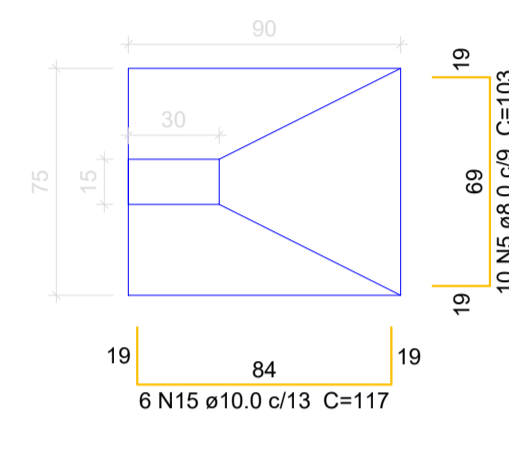
CORTE  
ESC 1:25



P3

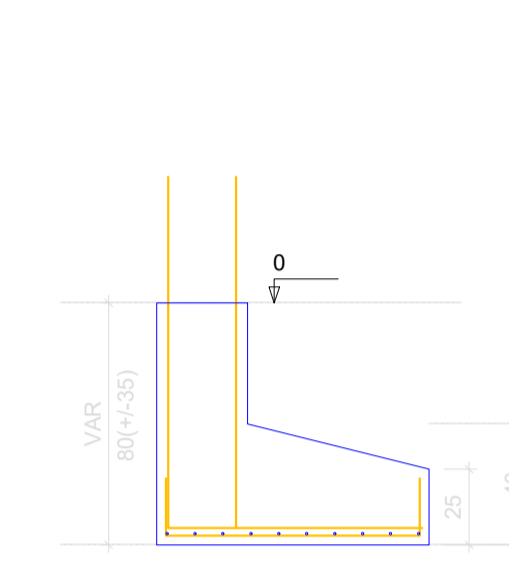


S3  
PLANTA  
ESC 1:25

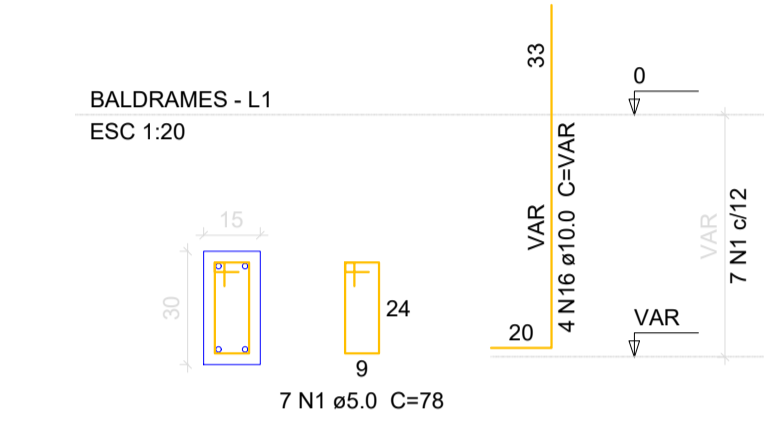


Solo com capacidade de suporte > 2.50 kgf/cm<sup>2</sup>  
Solo compactado sobre a sapata  
peso específico > 1600.00 kgf/m<sup>3</sup>

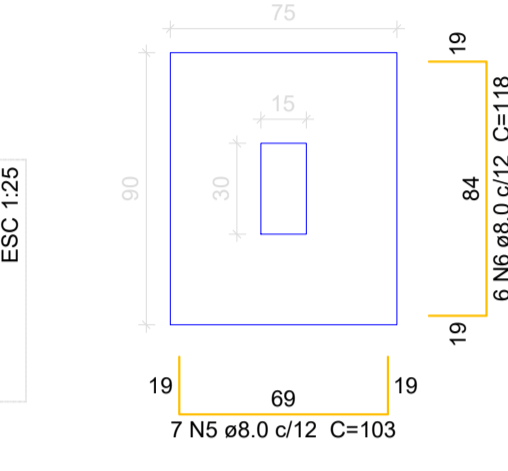
CORTE  
ESC 1:25



P5=P9=P12=P16

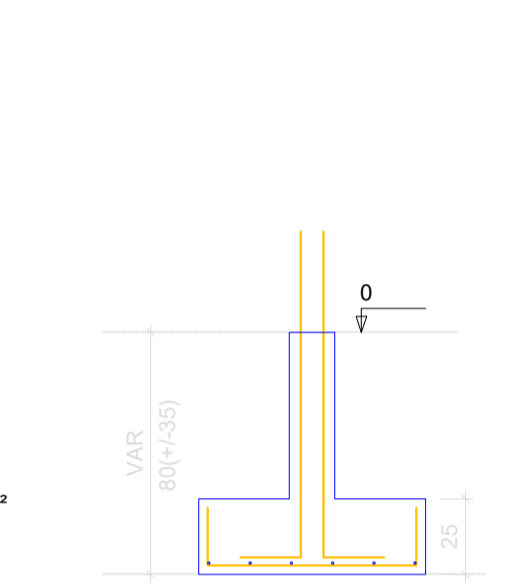


S5=S9=S12=S16  
PLANTA  
ESC 1:25

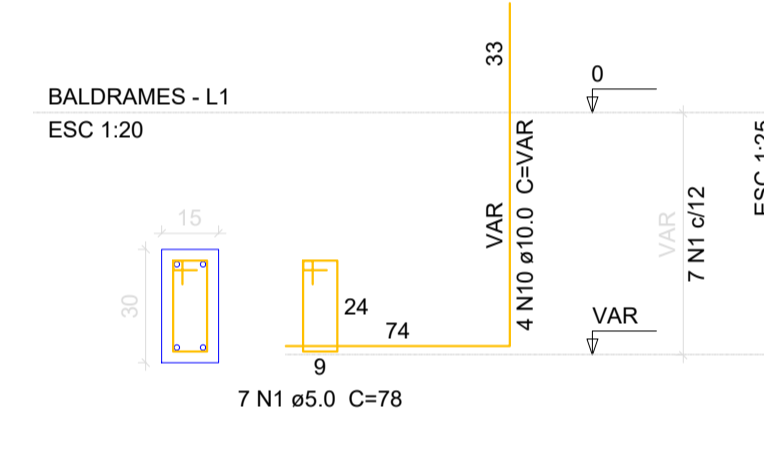


Solo com capacidade de suporte > 2.50 kgf/cm<sup>2</sup>  
Solo compactado sobre a sapata  
peso específico > 1600.00 kgf/m<sup>3</sup>

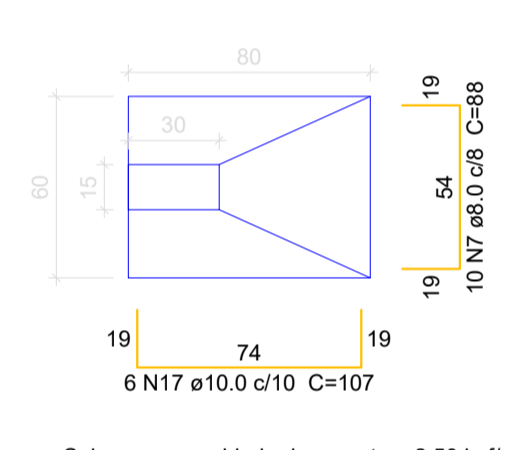
CORTE  
ESC 1:25



P6

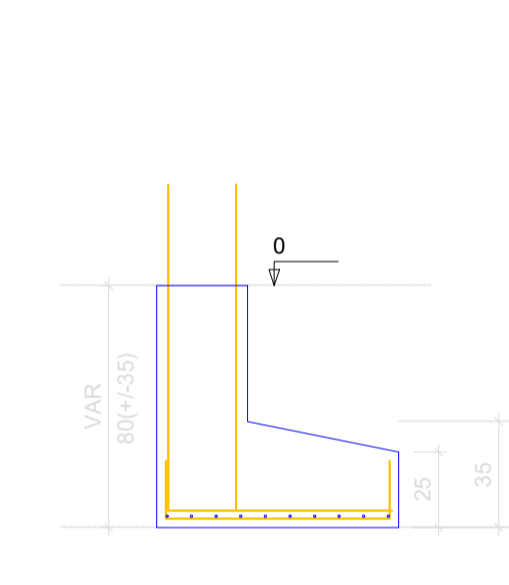


S6  
PLANTA  
ESC 1:25

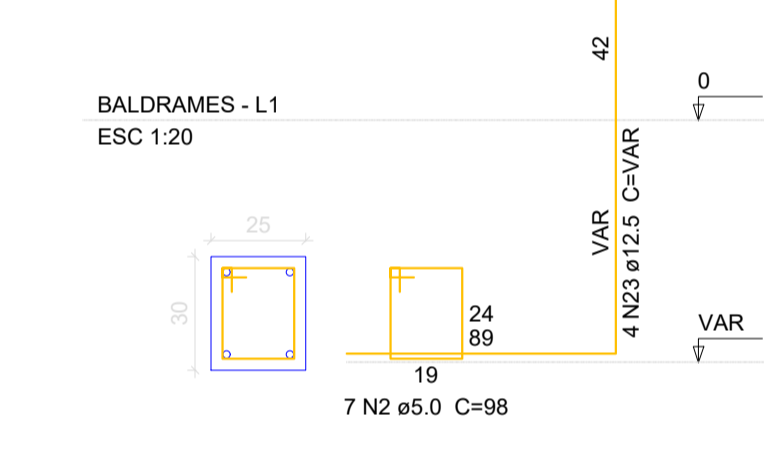


Solo com capacidade de suporte > 2.50 kgf/cm<sup>2</sup>  
Solo compactado sobre a sapata  
peso específico > 1600.00 kgf/m<sup>3</sup>

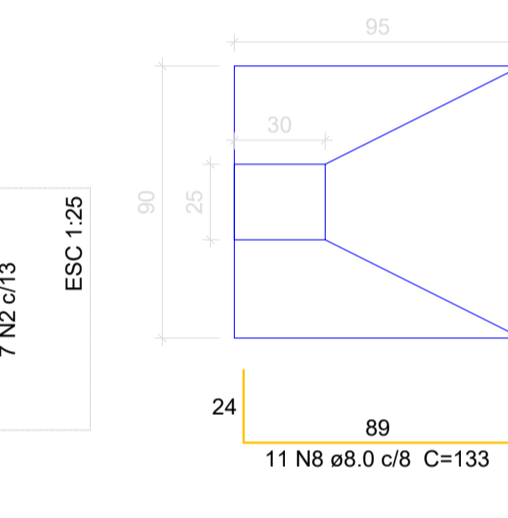
CORTE  
ESC 1:25



P7

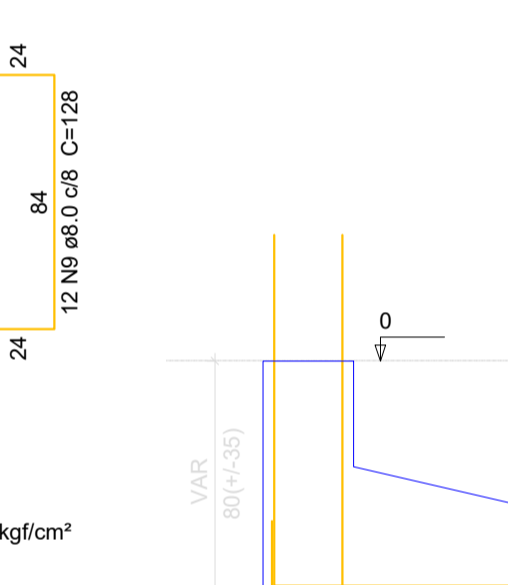


S7  
PLANTA  
ESC 1:25

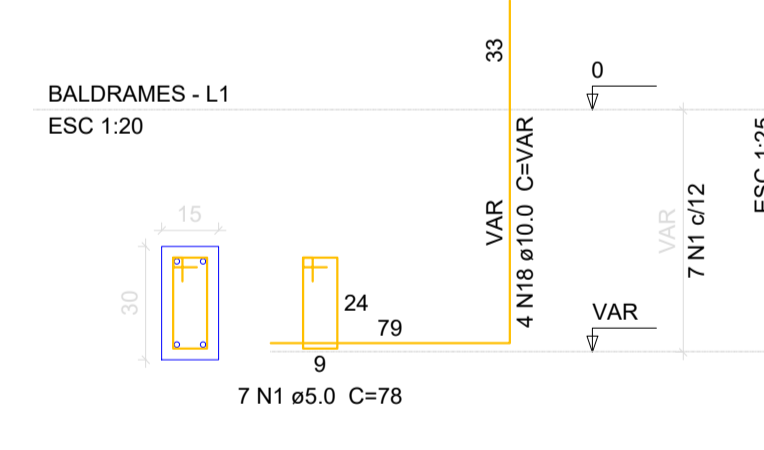


Solo com capacidade de suporte > 2.50 kgf/cm<sup>2</sup>  
Solo compactado sobre a sapata  
peso específico > 1600.00 kgf/m<sup>3</sup>

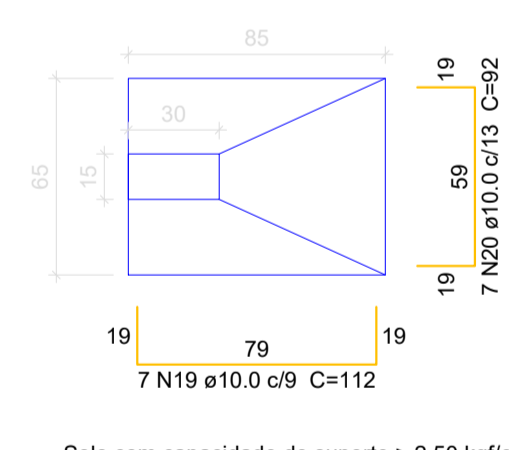
CORTE  
ESC 1:25



P10

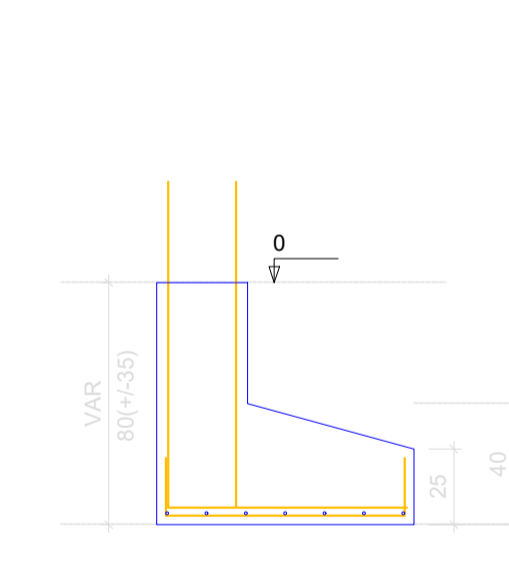


S10  
PLANTA  
ESC 1:25

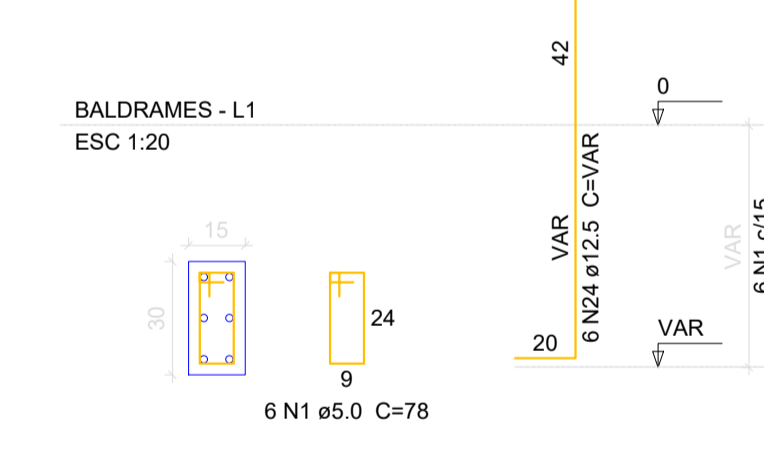


Solo com capacidade de suporte > 2.50 kgf/cm<sup>2</sup>  
Solo compactado sobre a sapata  
peso específico > 1600.00 kgf/m<sup>3</sup>

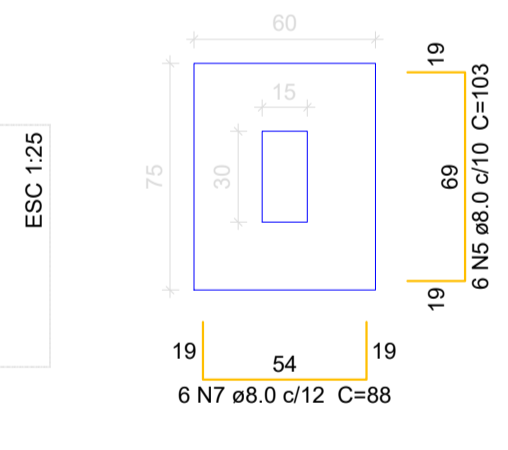
CORTE  
ESC 1:25



P20

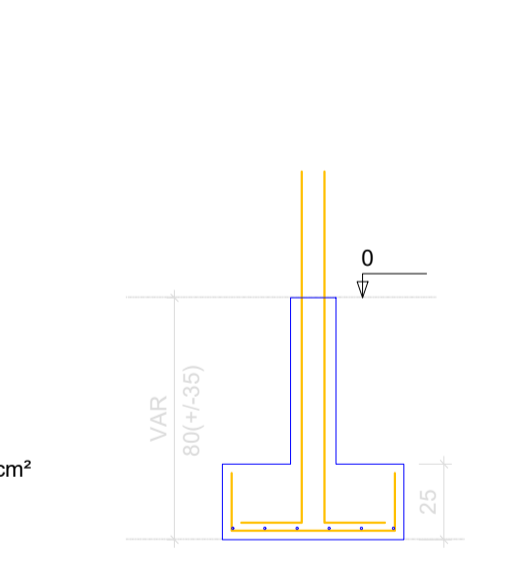


S20  
PLANTA  
ESC 1:25



Solo com capacidade de suporte > 2.50 kgf/cm<sup>2</sup>  
Solo compactado sobre a sapata  
peso específico > 1600.00 kgf/m<sup>3</sup>

CORTE  
ESC 1:25



Relação do aço

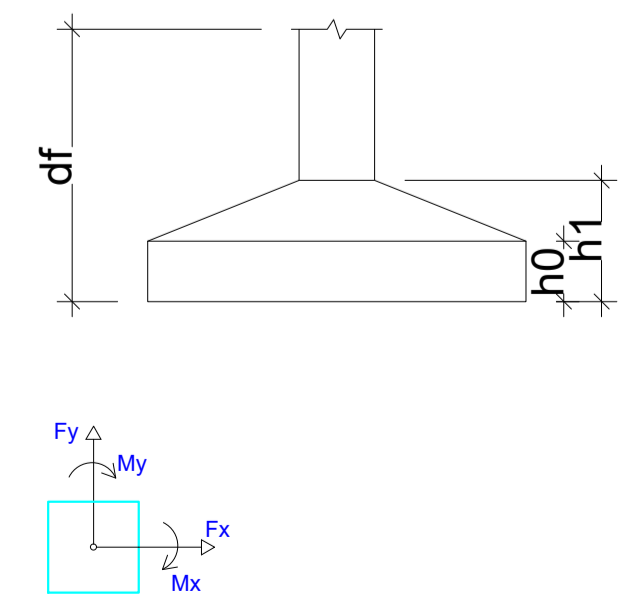
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
S1	1	5.0	130	78	10140
S7	2	5.0	7	98	686
4xS16	3	5.0	6	24	144
S3	4	8.0	27	83	2241
S10	5	8.0	44	103	4532
S6	6	8.0	24	118	2832
8xS13	7	8.0	16	88	1408
S7	8	8.0	11	133	1463
S10	9	8.0	12	128	1536
S20	10	10.0	12	VAR	VAR
	11	10.0	18	97	1746
	12	10.0	32	VAR	VAR
	13	10.0	48	92	4416
	14	10.0	48	77	3696
	15	10.0	6	117	702
	16	10.0	16	VAR	VAR
	17	10.0	6	107	642
	18	10.0	4	VAR	VAR
	19	10.0	7	112	784
	20	10.0	7	92	644
	21	12.5	4	VAR	VAR
	22	12.5	4	VAR	VAR
	23	12.5	4	VAR	VAR
	24	12.5	6	VAR	VAR

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	140.2	60.8
	10.0	233.1	158.1
	12.5	32.5	34.4
CA60	5.0	109.7	18.6
<b>CA60 TOTAL</b>			
CA50	253.3		
CA60	18.6		

Vol. de concreto total (C-30) = 3.69 m<sup>3</sup>  
Área de forma total = 29.16 m<sup>2</sup>

Nome	Seção (cm)	Carga Máx. (tf)	Pilar			Fundação			Lado B (cm)	Lado H (cm)	h0 / ha (cm)	h1 / hb (cm)	df (cm)
			Carga Min. (tf)	Mx (kgf.m)	My (kgf.m)	Fx (tf)	Fy (tf)	Lado B (cm)					
P1	15x30	1.1	0.7	0	0	0.4	0.1	80	65	20	35	80	
P2	15x30	3.6	3.0	0	0	400	0.2	0.1	75	60	20	30	80
P3	15x30	8.0	6.8	1300	0	0.1	1.1	90	75	25	40	80	
P4	15x30	2.6	1.8	0	0	0.1	0.3	75	60	20	30	80	
P5	15x30	11.6	10.6	300	400	0.5	0.9	75	90	25	25	80	
P6	15x30	5.6	4.5	600	0	0.2	0.2	80	60	25	35	80	
P7	25x30	10.0	8.6	0	2700	0.3	0.1	95	90	30	45	80	
P8	15x30	4.7	3.7	0	0	0.2	1.0	75	90	20	30	80	
P9	15x30	11.6	10.5	300	400	0.5	1.0	75	90	25	25	80	
P10	15x30	6.7	5.3	1100	0	0.1	0.8	85	65	25	40	80	
P11	15x30	2.9	2.4	0	400	0.2	0.1	75	60	20	30	80	
P12	15x30	10.3	9.0	300	300	0.1	0.8	75	90	25	25	80	
P13	15x30	5.3	4.0	600	0	0.1	0.5	75	60	20	30	80	
P14	15x30	5.3	4.1	800	0	0.1	0.4	75	60	20	30	80	
P15	15x30	3.3	2.8	0	400	0.1	0.1	75	60	20	30	80	
P16	15x30	13.5	11.8	100	300	0.2	0.1	75	90	25	25	80	
P17	15x30	6.0	4.6	700	0	0.1	0.8	80	65	20	35	80	
P18	15x30	6.0	4.9	800	0	0.1	0.4	80	65	20	35	80	
P19	15x30	2.4	1.9	0	0	0.5	0.1	75	60	20	30	80	
P20	15x30	7.0	6.3	300	200	0.5	1.0	60	75	25	25	80	



É PROIBIDO A REPRODUÇÃO TOTAL OU PARCIAL DESTE PROJETO, SEM A AUTORIZAÇÃO POR ESCRITO PELO PROJETISTA - LEI Nº9610 (19/02/1998)

<b>PROPRIETÁRIO</b> <b>PREFEITURA MUNICIPAL DE BANDEIRANTE</b> Assinatura do Proprietário		Área total <b>79,33m<sup>2</sup></b>
<b>RESPONSÁVEL TÉCNICO</b> Engº Civil Giovane Miguel Kuhn - CREA/SC nº 186.990-8		DATA Abril/2024
<b>ESPECIFICAÇÃO</b> Estrutural		UNIDADES metros
<b>PROJETO</b> Construção da 2ª etapa do Galpão Comunitário no Campo Municipal		DESENHO Giovane
<b>ENDEREÇO</b> Rua Flor da Serra, centro - Bandeirante/SC		PRANCHA <b>1/4</b>
<b>CONTATO</b> Av. Santo Antônio, 1069 - Bandeirante/SC / (49) 3626-0012 / E-mail: gmc@bandeirante.sc.gov.br		