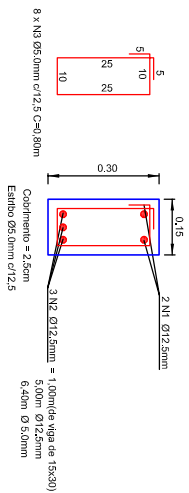
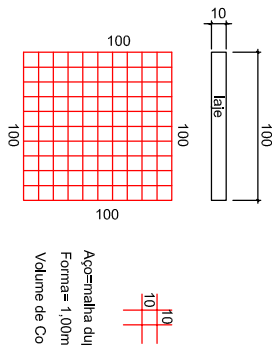


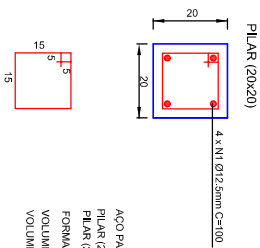
Vilga Superior (15x30cm)



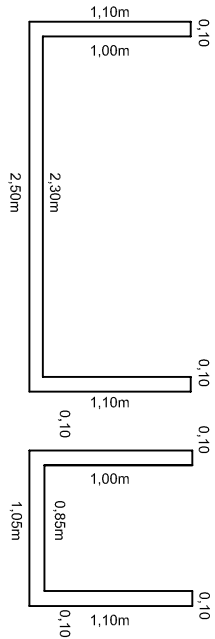
TANQUE PARA PEIXES



$\text{Aço} = \text{malha dupla } 10 \times 10 \text{ } \varnothing 5,0 \text{ } C = 40,00 \text{ m} \times 0,154 = 6,16 \text{ Kg/m}^2$
 $\text{Forma} = 1,00 \text{ m}^2 \times 2 (\text{lad os}) = 2,00 \text{ m}^2/\text{m}^2$
 $\text{Volume de Concreto} = 1,00 \text{ m} \times 1,00 \text{ m} \times 0,10 \text{ m} = 0,10 \text{ m}^3/\text{m}^2$



ACO PARA 1,00M DE PILAR (20X20)
PILAR (20X20) = 4,00m Ø12,5mm = 4,00kgm
PILAR (20X20) = 5,60m Ø 5,0mm = 0,84kgm
FORMA= 0,20m x 0,20m x 0,20m x 1,00m = 0,80m³m
VOLUME DE CONCRETO PARA 1,00M DE PILAR
VOLUME DE CONCRETO = 0,040m³m



Tanque: $5,50\text{m} + 4,60\text{m} + 2,31\text{m} + 1,70\text{m} = 14,11\text{m}$

Proprietário	MUNICÍPIO DE PAVERAMA CNPJ: 91.693.317/0001-06		Responsável Projeto:
EDIFICAÇÃO DE ALVENARIA FEIRA DO PRODUTOR RURAL	Área	94,38m²	
	Prancha	09	
Projeto Estrutural - Pilares - Tanque Projeto Estrutural - Vigas Superior			Eng. Civil Eldon Alberto Reckziegel Crea/RS 048.490