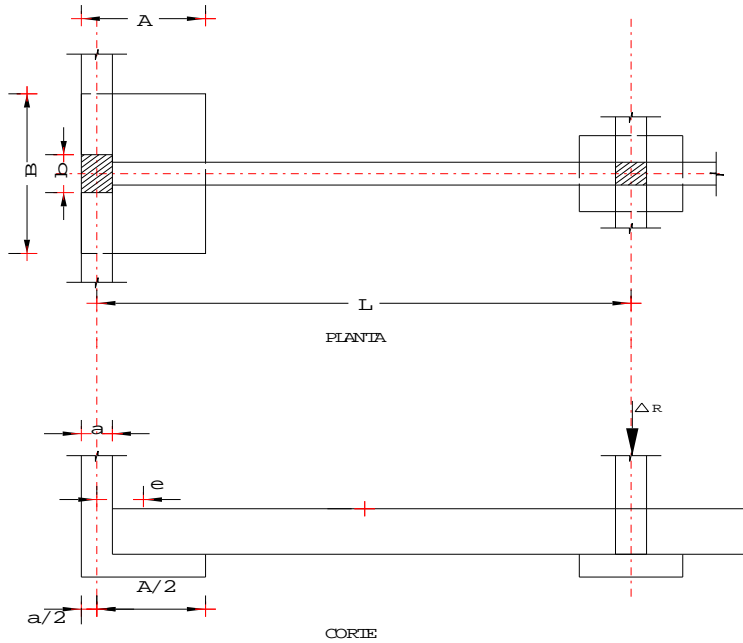


ASOMENORES TURBACO

ZAPATA TIPO 3

ZAPATA TIPO

$P(\text{Ton}) = 41$
 $L(\text{m}) = 1.15$
 $a(\text{m}) = 0.30$
 $s(\text{T/m}^2) = 28.50$
 $b_{\text{VIGA}}(\text{m}) = 0.30$



DIMENSIONES

$\text{Area}(\text{m}^2) = 1.65$
 $A(\text{m}) = 1.03$
 $B(\text{m}) = 1.61$
 $e(\text{m}) = 0.36$
 $DR(\text{Ton}) = 19.00$
 $P+DR = 60.00$
 $P_{\text{TOTAL}} = 63.00$
 $A_{\text{REAL}}(\text{m}) = 1.20$
 $B_{\text{REAL}}(\text{m}) = 1.80$
 $S_{\text{NETO}}(\text{T/m}^2) = 27.78$
 $S_{\text{CONT}}(\text{T/m}^2) = 29.17$

DISEÑO DE ZAPATA

$M_u(\text{T-m}) = 12.50$
 $b_{\text{ZAPATA}}(\text{cm}) = 100$
 $H(\text{cm}) = 30$
 $h(\text{cm}) = 30$
 $r = 0.0071$
 $r \text{ min.} = 0.0018$
 $A_s(\text{cm}^2) = 16.05$

REFUERZO PRINCIPAL

# 3c/	4	Armaduras:				
# 4c/	8					
# 5c/	12	Sentido A:	10	#	4	1.30
# 6c/	18	Sentido B:	10	#	5	1.70
# 7c/	24					
# 8c/	31					

DIMENSIONES		REFUERZO				
A	B	SENTIDO A	SENTIDO B	H	h	CANT
1.20	1.80	10#413C/.17*	10#517C/.12	0.30	0.30	

* INDICA GANCHO DE 20cm DE 90 GRADOS