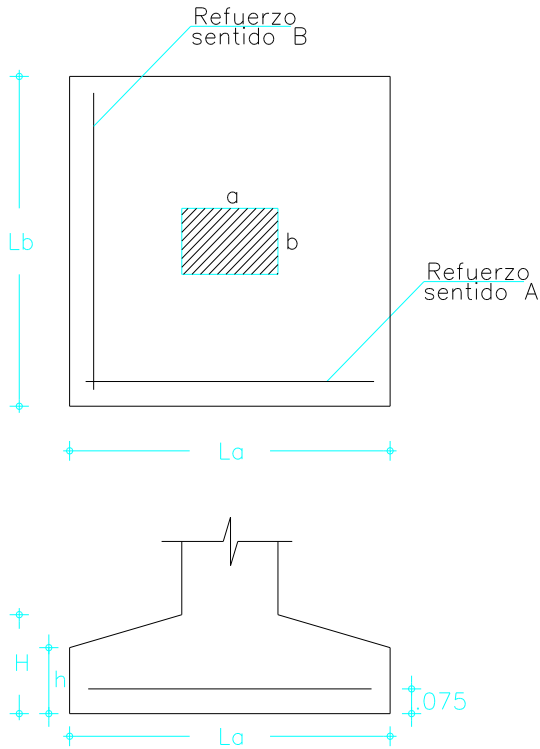


TURBACO ASOMENORES DORMITORIOS-1

ZAPATA TIPO 1



DATOS

$P = 64.00$ ton
 $a = 0.30$ m
 $b = 0.30$ m
 $H = 0.40$ m
 $h = 0.25$ m
 $S_a = 28.50$ t/m²
 $f'c = 210$ k/cm²
 $F_y = 4200$ k/cm²

geometria

$A_1 = 2.31$ m²
 $L_{acal} = 1.5$ m
 $L_{bcac} = 1.5$ m
 $L_a = 1.50$ m
 $L_b = 1.50$ m
 Peso propio : 1.76 ton
 $d = 0.33$ m
 $m = 25.00$ %
 $S_n = 28.44$ t/m²
 $k = 1.03$
 $k' = 1.03$

Volumen: 0.731 m³

Flexión:

$M_u = 8.19$ t-m
 $d = 33$ cm
 $A_s = 6.84$ cm²/m
 $A_{s_{min}} = 7.1$ cm²/m

Corte:

	(V _{ud/2})	(V _{ud})
$d' = 0.28$ m	$d'' = 0.24$ m	
(V _{ud/2}) = 11.90 k/cm ²	(V _{ud}) = 5.13 k/cm ²	
(V _{nd/2}) = <u>13.50</u> k/cm ²	(V _{nd}) = <u>6.53</u> k/cm ²	

colocar:

3c/ 10
 # 4c/ 18
 # 5c/ 28
 # 6c/ 40
 # 7c/ 55

Armaduras:

7.00

sentido A:	9	# 4	14
sentido B:	9	# 4	14

DIMENSIONES		REFUERZO				
A	B	SENTIDO A	SENTIDO B	H	h	CANT.
1.50	1.50	9#414	9#414	0.40	0.25	