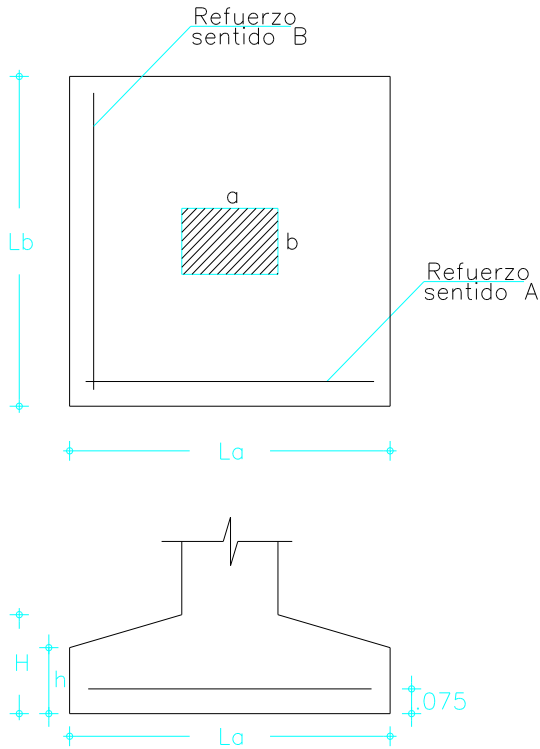


TURBACO ASOMENORES DORMITORIOS-1

ZAPATA TIPO 2



DATOS

$P = 41.00$ ton
 $a = 0.30$ m
 $b = 0.30$ m
 $H = 0.30$ m
 $h = 0.30$ m
 $S_a = 28.50$ t/m²
 $f'c = 210$ k/cm²
 $F_y = 4200$ k/cm²

geometria

$A_1 = 1.48$ m²
 $L_{acal} = 1.2$ m
 $L_{bcacal} = 1.2$ m
 $L_a = 1.20$ m
 $L_b = 1.20$ m
 Peso propio : 1.04 ton
 $d = 0.23$ m
 $m = 0.00$ %
 $S_n = 28.47$ t/m²
 $k = 1.03$
 $k' = 1.03$

Volumen: 0.432 m³

Flexión:

$M_u = 4.61$ t-m
 $d = 23$ cm
 $A_s = 5.59$ cm²/m
 $A_{s_{min}} = 5.3$ cm²/m

Corte:

	(V _{ud/2})	(V _{ud})
$d' = 0.23$ m	$d' = 0.23$ m	$d'' = 0.23$ m
(V _{ud/2}) = 11.23 k/cm ²	(V _{ud}) = 4.56 k/cm ²	(V _{ud}) = 4.56 k/cm ²
(V _{nd/2}) = <u>13.50</u> k/cm ²	(V _{nd}) = <u>6.53</u> k/cm ²	(V _{nd}) = <u>6.53</u> k/cm ²

colocar:

3c/ 13
 # 4c/ 23
 # 5c/ 35
 # 6c/ 51
 # 7c/ 69

Armaduras:

7.00

sentido A:	6	# 4	11
sentido B:	6	# 4	11

DIMENSIONES		REFUERZO				
A	B	SENTIDO A	SENTIDO B	H	h	CANT.
1.20	1.20	6#411	6#411	0.30	0.30	