

480. DIMENSIONADO

Nº EXP.

Z	Y	X	

APELLIDOS: _____

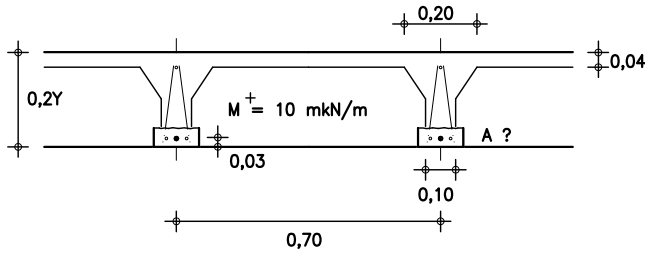
NOMBRE: _____

(firma)

HORMIGON HA25 Compresión segura distribución rectangular: $12 \text{ N/mm}^2 = 1,2 \text{ kN/cm}^2$
 HORMIGON PRECOMPRESIDO HA40 Compresión segura distribución rectangular: $14 \text{ N/mm}^2 = 1,4 \text{ kN/cm}^2$
 ACERO DE ARMAR B500 Tensión segura: $310 \text{ N/mm}^2 = 31 \text{ kN/cm}^2$
 ACERO DE PRETENSAR Tensión segura: $600 \text{ N/mm}^2 = 60 \text{ kN/cm}^2$
 ACERO LAMINADO A44/S275/Fe430 Tensión segura: $180 \text{ N/mm}^2 = 18 \text{ kN/cm}^2$

Longitudes, en metros con DOS decimales. Resto SIN decimales

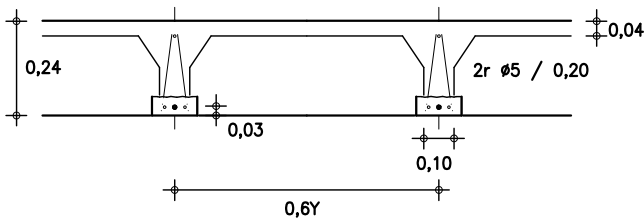
1



A ?

2Ø6 + nØ

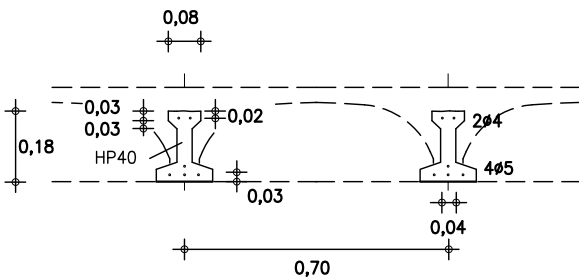
2



V ?

kN/m

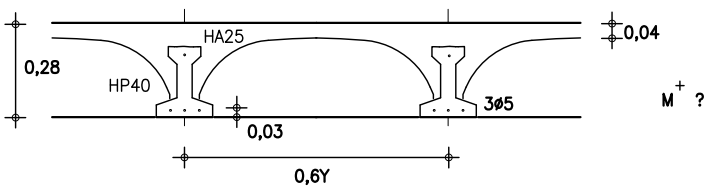
3



M+ ?

mkN/m

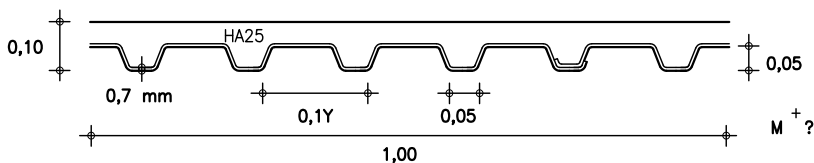
4



M+ ?

mkN/m

5

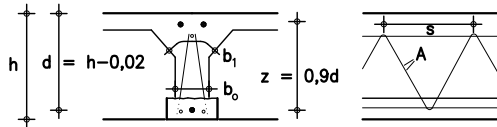


M+ ?

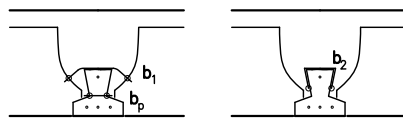
mkN/m

COMPROBACION A CORTANTE

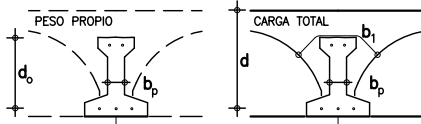
VIGUETAS ARMADAS HA25 con celosía B500



VIGUETAS HORMIGON HP40 con armadura pretensada



Forjado sanitario en dos fases



$V < 2b_1 df_v$
 $V < b_o df_v + 1.4Af_s z/s$
 $f_s = 31 \text{ kN/cm}^2$
 $f_v = 0.03 \text{ kN/cm}^2$

$V < 2b_1 df_v$
 $V < 2b_p df_p$
 $V < 1.2b_2 df_v$
 $f_p = 0.05 \text{ kN/cm}^2$

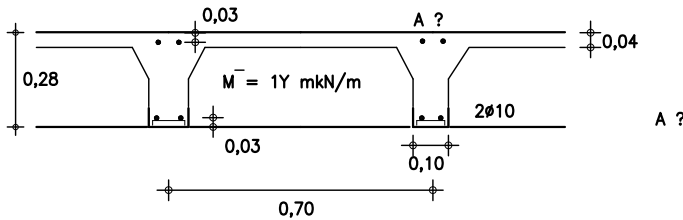
$V_o < 2 b_p d_o f_p$
 $V < 2 b_p df_p$
 $V < 2b_1 df_v$

h	0,24	0,26	0,28	0,30	0,32
2Ø4/0,20					
b _o 0,08	11	12	14	15	17
0,10	13	14	16	17	18
b ₁ 0,10	13	14	16	17	18
0,12	16	17	19	20	22
b _p 0,05	11	12	13	14	15
0,06	13	14	16	17	18
b ₂ 0,14	11	12	13	14	15
0,16	12	14	15	16	17

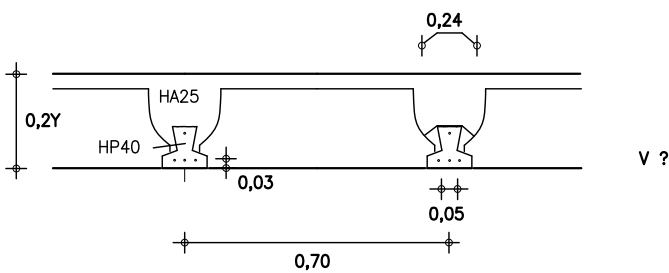
V (kN) por nervio

Longitudes, en metros con DOS decimales. Resto SIN decimales

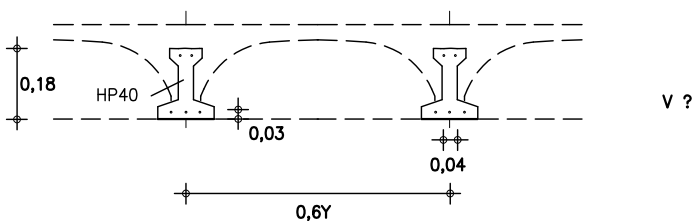
6


 2Ø

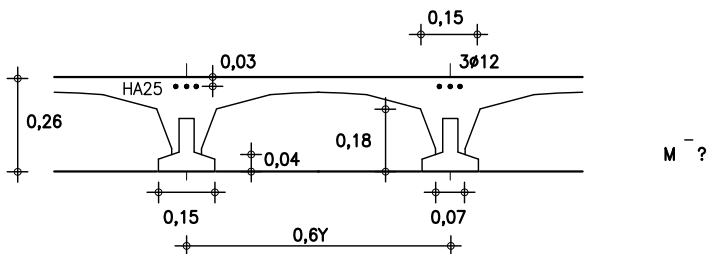
7


 kN/m

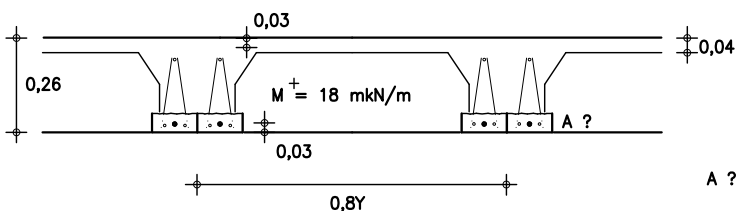
8


 kN/m

9


 mkN/m

10


 2(2Ø6+Ø)