



Alumno: Nestor Ivan Guillen Velasco

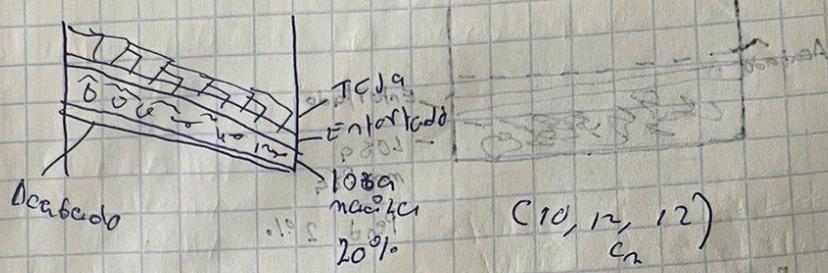
Profesor: Pedro Alberto Garcia Lopez

Materia: Analisis de estructuras

Cuatrimestre: Quinto cuatrimestre

Fecha: 21/01/2024

11 Azotea de 5% a 20%

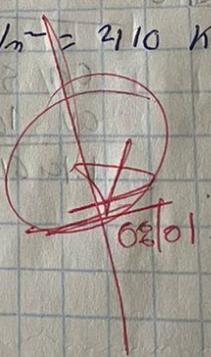


Teja	50 Kg/m ²	
Entallado	30 Kg/m ²	
losa	240 Kg/m ²	= 288 Kg/m ²
Yeso	30 Kg/m ²	
Cm reglamento	40 Kg/m ²	

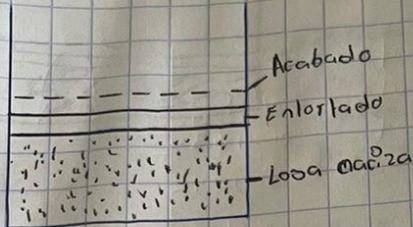
$$\begin{array}{r} \text{Cm } 390 \text{ Kg/m}^2 + 20 \text{ Kg/m}^2 = 410 \text{ Kg/m}^2 \\ \text{CV } 60 \text{ Kg/m}^2 \\ \hline 450 \text{ Kg/m}^2 \end{array}$$

12
$$\begin{array}{r} \text{Cm } 438 \text{ Kg/m}^2 + 20 = 458 \\ \text{CV } 60 \text{ Kg/m}^2 \\ \hline \text{total } 498 \text{ Kg/m}^2 \end{array}$$

13
$$\begin{array}{r} \text{Cm } 462 \text{ Kg/m}^2 + 20 = 482 \\ \text{CV } 60 \text{ Kg/m}^2 \\ \hline \text{total } 522 \end{array}$$



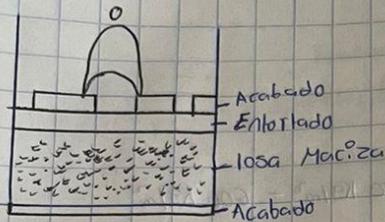
Azotea de 2% al 5%



relleno	100 kg/m ²
Acabado	70 kg/m ²
Entorillado	30 kg/m ²
Losa maciza	240 kg/m ²
Yaso	30 kg/m ²
Cm reglamento	40 kg/m ²
CM	510 kg/m ² → + 70 kg/m ² = 580 kg/m ²
CV	100 kg/m ²
total	610 kg/m ²

Pedro Análisis de estructuras.

Pesos de concreto = 2,400 K/m³



Losa de 10cm = 240 K/m²
 Losa de 12cm = 288 K/m²
 Losa de 13cm = 312 K/m²

2400 (0.10) = 240 K/m²
 2400 (0.12) = 288 K/m²
 2400 (0.13) = 312 K/m²

Casa habitacional

Acabados	→	70 K/m ²	
Entablado	→	30 K/m ²	
losa maciza 10cm	→	240 K/m ²	
Yeso	→	30 K/m ²	
Cm reglamiento	→	40 K/m ²	
Cm total		410 K/m ²	→ + 90 K/m ² = 500 K/m ²
CV		170 K/m ²	
		<u>total 580 K/m²</u>	

Oficinas

Acabado	→	70 K/m ²	Oficinas 10 cm
Entablado	→	30 K/m ²	410 cm
losa maciza 13cm	→	312 K/m ²	250 C.V
Yeso	→	30 K/m ²	<u>total 660 K/m²</u>
Cm reglamiento	→	40 K/m ²	
Cm		482 K/m ²	→ + 90 K/m ² = 572 K/m ²
CV		170 K/m ²	
		<u>total 652 K/m²</u>	

Baño 10, 12

Repleno	100 kg/m ²
Acabado	70 kg/m ²
Entosado	30 kg/m ²
Losa maciza	240 kg/m ² - 10 cm
Yeso	30 kg/m ²
Cm recubrimiento	40 kg/m ²
Cy	510 kg/m ² → + 90 kg/m ² = 600 kg/m ²
CV	170 kg/m ²
total	680 kg/m ²

Baño 12cm

Cm	558 kg/m ² → + 90 kg/m ² = 648 kg/m ²
CV	170 kg/m ²
total	718 kg/m ²