



Mi Universidad

Arquitectura

Nombre del Alumno: Aguilar Villar Luis Enrique

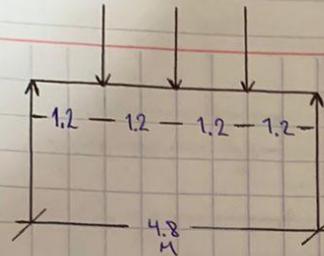
Nombre de la Materia: ANALISIS DE ESTRUCTURAS

Nombre del profesor: Pedro Alberto García López

Nombre de la Licenciatura: Arquitectura

Cuatrimestre: 5to

$$M = \frac{F \cdot L}{2} \quad RA = RB = \frac{3F}{2}$$



$$M = \frac{1.42 (4.8)}{2} = 3.41$$

$$mV = 3.41 \cdot 11 = 409.200$$

$$q = \frac{409.200}{\sqrt{0.9 \times 20 \times 36^2 \times 136}} + (2) + 1 = 0.861$$

$$\frac{(0.861 + 1) (136 \text{ kg/cm}^2)}{4200} = 0.0045$$

$$As = 0.0045 (20) (36) = 3.24$$

$$Df \text{ seño} = \frac{3.24}{2} = 1.62$$

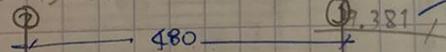
$$As = 0.000235 (20) (86) = \frac{1.692}{4} = 0.423 \rightarrow 2\#4$$

$$\frac{4.86}{4} = 1.22 \quad \frac{1.2}{0.15} = 8 \quad M \text{ O } X = 0.2$$

$$E_s = 26.82 (1.04) = 27.92 \rightarrow 2.47 = 2.22$$

$$UCR = RA = RB = 3 \left(\frac{1.42}{2} \right) = 2.13$$

$$U_U = 2.13 (1.4) = 2.982 \rightarrow U_{R2} = 1.5 (0.8) \cdot 20 = 25 \sqrt{1302}$$



$$S_{\text{axe}} =$$

$$S_{\text{ecl}} =$$

