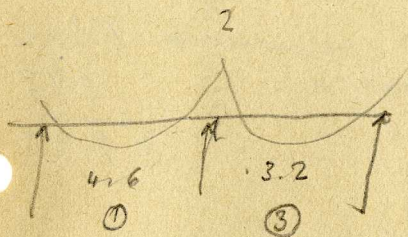


Culicita $2 \times 500 =$	1000 K.m.l
Muro $3 \times 0.12 \times 1400 =$	504 . . .
Propin $0.30 \times 0.5 \times 2400 =$	360 . . .
	1864 K.m.l.



$$\textcircled{1} \quad M = \frac{1870 \times 4.6^2}{8} = 4946 \text{ Kg.m}$$

$$\sqrt{\frac{M}{b}} = \sqrt{\frac{4946}{0.25}} = \sqrt{19784} = 141$$

$$h = 0.411 \times 141 = 57.95 \text{ cm.}$$

$$F_c = 0.228 \times 141 \times 0.25 = 8.03 \text{ cm}^2 =$$

$$\underline{\underline{5 \phi 16}}$$

$$1200 \left\{ \begin{array}{l} r = 0.411 \\ t = 0.228 \end{array} \right.$$

40

$$\textcircled{3} \quad M = \frac{1870 \times 3.2^2}{8} = 2393 \quad \sqrt{\frac{2393}{0.25}} = \sqrt{9572} = 98$$

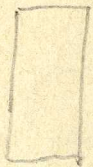
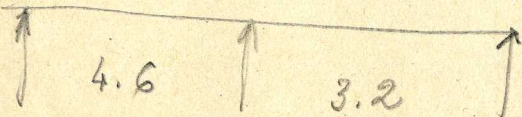
$$h = 0.411 \times 98 = 40.27 \text{ cm}$$

$$F = 0.228 \times 98 \times 0.25 = 5.58 \text{ cm}^2$$

$$\underline{\underline{3 \phi 16}}$$



3 m



25

$$\begin{matrix} 1200 \\ 40 \end{matrix} \begin{cases} \tau = 0.411 \\ t = 0.228 \end{cases}$$

Lubricate	25×500	1250	1250
muero	$3 \times 0.25 \times 1600$		1200
propio	$0.3 \times 0.40 \times 2400$		288
			<hr/>
			2738 kcal

$$M = \frac{2740 \times 4.6^2}{8} = 7247 \text{ Kgcm}$$

$$\sqrt{\frac{M}{I}} = \sqrt{\frac{7247}{0.25}} = \sqrt{28988} = 171$$

$$h = 0.411 \times 171 = 70.28 \text{ cm}$$

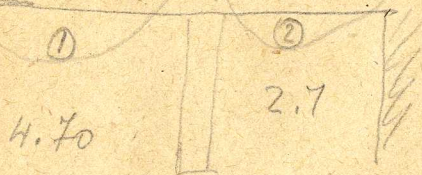


25

$$\text{Cubierta } 2.5 \times 400 = 1000.-$$

$$\text{Propio } 0.20 \times 50 \times 2400 = 360.-$$

$$1360 \text{ Km l}$$



$$\textcircled{1} \quad M = \frac{1400 \times 4.7^2}{10} = 3092 \text{ Kg m.}$$

$$\begin{matrix} 1200 \\ 40 \end{matrix} \left\{ \begin{array}{l} \alpha = 0.411 \\ \tau = 0.228 \end{array} \right.$$

$$\sqrt{\frac{M}{E}} = \sqrt{\frac{3092}{0.25}} = \sqrt{12368} = 112$$

$$h = 0.411 \times 112 = 46.03$$

$$F = 0.228 \times 112 \times 0.25 = 6.38 \text{ cm}^2$$

$$= \underline{5 \phi 16} = 10.05 \text{ cm}^2$$

Urrutia T

$$\textcircled{2} \quad M = \frac{1400 \times 2.7^2}{10} = 1020 \text{ Kg m}$$

$$\sqrt{\frac{1020}{0.25}} = \sqrt{4080} = 64$$

$$\left\{ \begin{array}{l} h = 0.411 \times 64 = 30 \text{ cm}^2 \\ F = 0.228 \times 64 \times 0.25 = 3.64 = \\ 3 \phi 16 = 6.03 \text{ cm}^2 \end{array} \right.$$

$$\textcircled{3} \quad M = \frac{1400 \times 4.7^2}{8} = 3865 \text{ Kg m}$$

$$\sqrt{\frac{3865}{0.25}} = \sqrt{15460} = 125$$

$$F = 0.228 \times 125 \times 0.25 = 7.12 \text{ cm}^2$$

$$= 4 \phi 16$$

8 E