

$$D = \frac{5 \, \text{W}}{389 \text{EIe}} \qquad = \frac{5 \, \text{W}}{12} = \frac{115 \, \text{W}}{$$

N.A	30 mm	⇒ 7² → 7= —
ラ		V.

Service moment	Effective moment of inertia, I_c , mm
$M_a \le (2/3)M_{cr}$	$I_{\rm g}$
$M_a > (2/3)M_{cr}$	$\frac{I_{cr}}{1 - \left(\frac{(2/3)M_{cr}}{M_s}\right)^2 \left(1 - \frac{I_{cr}}{I_g}\right)}$

$$\Box \text{ Calc. } \Delta_{\text{D}}$$

$$M_{\text{D}} = \frac{12 \times 6^{2}}{5} \text{ Sy k.l.m} > \frac{2}{5} M_{\text{Cr}} \rightarrow \text{Ie}$$

$$I_{\text{B}} = 6.4 \times 10^{8} \text{ mm}^{4}$$

$$I_{\text{E}} = 6.4 \times 10^{8} \text{ mm}^{4$$

$$E , U, L
D = \frac{5 U L}{384 EI} = \frac{5 \times 12 \times 1 \times (600)^{4}}{384 \times 24870 \times 6.4 \times 10^{8}} = 12.72 \text{ mm}$$

. . . laments

Not SURPORTUD Non Strock obeneuts

£1000 360 1

pd Satisthied

Supportag Non-St. elements Sustained loads -> 25% live had consideration (80%. Wasehorses

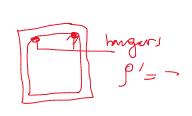
DO+SL = 20.6 mm

6 long torm multiplier
$$\lambda$$

$$\lambda = \frac{5}{1+50p'}$$

$$5L + 2 \lambda_0 = 2$$

$$0 \Rightarrow \lambda_0 = 2$$



Not likely to be drouged

240
25 mm