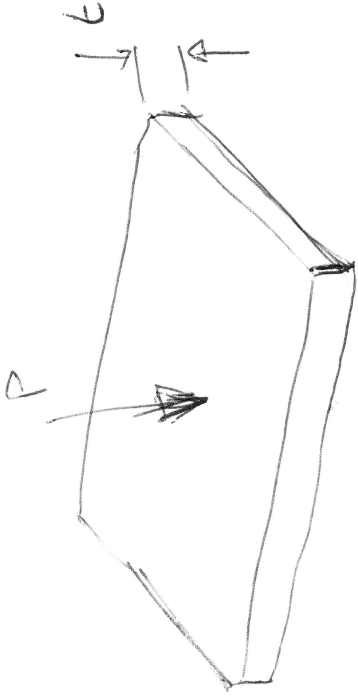


FOR A RECTANGULAR PLATE SIMPLY SUPPORTED WITH LOAD AT CENTRE.



For Your CASE
 $k_1 = 0.127$

"
 $k_2 = 0.564$

$\nu =$ POISSON'S RATIO ± 0.3

$e =$ SMALL RADIUS THAT
 LOAD P ACTS OVER

Stress

$$\Delta_m = \frac{1.5P}{\pi t^2} \left[(1+\nu) \ln \frac{2r}{\pi e} + 1 - k_2 \right] \text{ at CENTRE}$$

$$Y_m = k_1 \frac{Pa^2}{Et^3} \text{ at CENTRE}$$

DEFLECTION