

Capacity of Rectangular Sections (WSD)

$f'_c = 35 \text{ MPa}$

$f_c = 0.45 f'_c$
 $f_s = 140 \text{ MPa}$ for $f_y = 280 - 350 \text{ MPa}$
 $= 168 \text{ MPa}$ for $f_y = 420 \text{ MPa}$

$$R_w = M/bd^2$$

$$R_w = 0.5 f_c k j \quad \text{or}$$

$$= 0.5 \rho f_y j$$

