Axial stoces =
$$\frac{2.8}{7/4 \times 36} = \frac{2.8}{28.274}$$

= \$28.274 in2

Show were will occur along the faces of S, & S2

Stiffenen	Max Load	(-) rea
AB	20.77	6.49
BC.	16.45	5.25
AF	28.95	4.09
BO	12.40	6-49
CH	5-3	5-10
DE	5.3	2.23
FG	- 2.8	6.23
Crit	-1.6	5.20

$$B_1 = 300 + \frac{3 + 400}{6} \left(2 + \frac{06}{01}\right) + \frac{2 \times 600}{6} \left(2 + \frac{02}{01}\right)$$

$$B_1 = 300 + \frac{3 \times 400}{6} (2-1) + \frac{2.0 \times 600}{6} \left(2 + \frac{150}{200}\right)$$

$$B_2 = \frac{10b}{6} \left(2 + \frac{\sigma_1}{\sigma_2}\right)$$

$$B_2 = 24300 + \frac{2.0 \times 600}{6} \left(2 + \frac{01}{02}\right) + \frac{2.57300}{6} +$$

$$\left(2+\frac{O_{5}}{O_{2}}\right)+\frac{1.5\times600}{6}\left(2+\frac{O_{5}}{O_{2}}\right)$$

$$B_{2} = 2 \times 300 + \frac{2.0 \times 600}{6} \left(2 + \frac{200}{150}\right) + \frac{2.5 \times 200}{6} \left(2 + \frac{200}{150}\right) + \frac{1.5 \times 600}{6} \left(2 + \frac{100}{150}\right)$$

$$B_3 = 300.44.5 \times 600 \left(2 + \frac{62}{0_3}\right) + \frac{2.0 \times 200}{6} \left(2 + \frac{64}{0_3}\right)$$

$$B_3 = 200 + 1.5 \times 600 \left(2 + \frac{150}{100}\right) + \frac{2.0 \times 200}{6} (2-1)$$

$$B_{A} = \frac{99\times2}{6} (2-1) + \frac{(99\times)}{6} (2+1) = 132.5 \text{ mm}^{2}$$

$$B_{C} = \frac{49\times1}{6} (2-1) + \frac{181.73}{6} (2+\frac{50}{25}) = 129.3 \text{ mm}^{2}$$

$$B_{B} = \frac{199\times1}{6} (2+1) + \frac{99\times1}{6} (2-1) + \frac{181.73\times1}{6} (2+\frac{25}{50})$$

$$= 191.7 \text{ mm}^{2}$$

$$I_{nn} = 2 \times (132.5 \times 50^2) + (191.7 \times 50^2) + (129.5 \times 25^2)$$

$$= 1.78 \times 10^6 \text{ mm}^6$$