



$$\frac{Q}{0.22' \times 20 \times 0.9} = 4.0$$

$$1.0 \times 0.3 \times 25 = \frac{7.5}{11.5 \text{ kN/m}^2}$$

$$B = 1m$$

$$\therefore q = 11.5/1 = 11.5 \text{ kN/m}^2$$

$$\sigma_z = \frac{q}{r} \left(\frac{2.0}{B} \alpha - \frac{1}{2} \sin 2\beta \right)$$

$$= \frac{11.5}{1.0} \left(2.0 \times 0.09 - \frac{1}{2} \sin(62) \right)$$

$$= 3.7(0.1 - 0.15) \rightarrow -Ve$$

∴ OUTSIDE OF PRESSURE BULB