

$$= \frac{6}{2}$$

$$A = (6.6) - \pi R^2 = 7.726 m^2 + = 7.726 m^2$$

W= +8=7.726m2 (9800 1/2) = 75.71KN J

Note: I show F v as

FV = F, -W = 352.8 KN - 75.71LN = 277.1 LN

LINE OF ACTION

$$F = \sqrt{F_H^2 + F_V^2}$$

= 176.42 + 277.12 = 328 KN

$$\mathcal{L} = tan^{-1} \left(\frac{F_V}{F_H} \right) = 57.5^{\circ}$$
ANS

