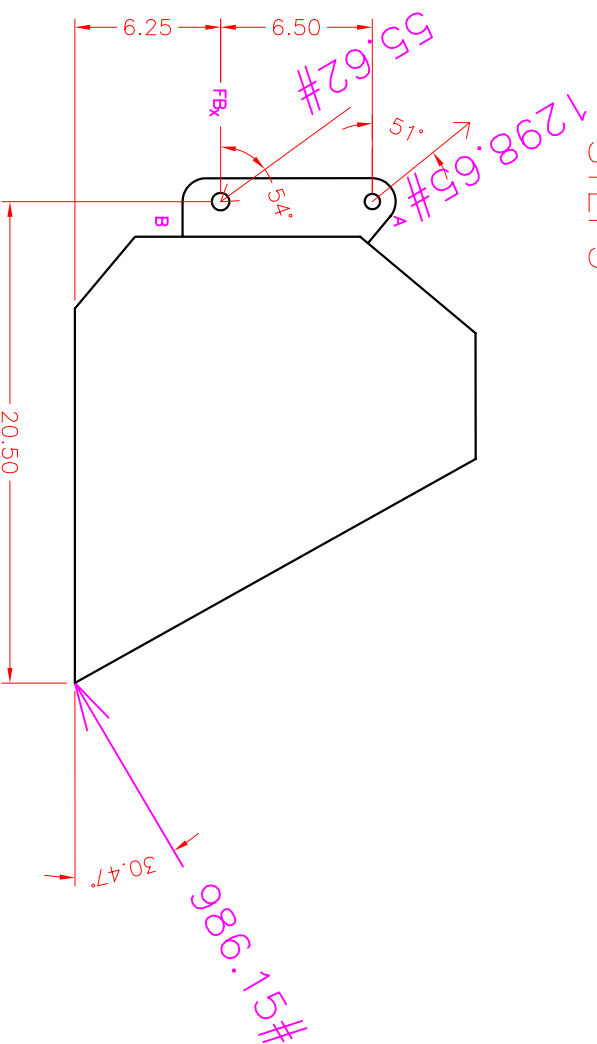


STEP 3



$$F_X \vec{r} = 0$$

$$-(1298.65\# * \cos 51^\circ) + (986.15\# * \cos 30.47^\circ) + (F_{XB} * \cos 54^\circ) = 0$$

$$32.69 + (F_{XB} * \cos 54^\circ) = 0$$

$$32.69 + (F_{XB} * \cos 54^\circ) = 0$$

$$-(F_{XB} * \cos 54^\circ)$$

$$\frac{32.69}{\cos 54^\circ} = -\frac{(F_{XB} * \cancel{\cos 54^\circ})}{\cancel{\cos 54^\circ}}$$

$$55.62\# = -B$$