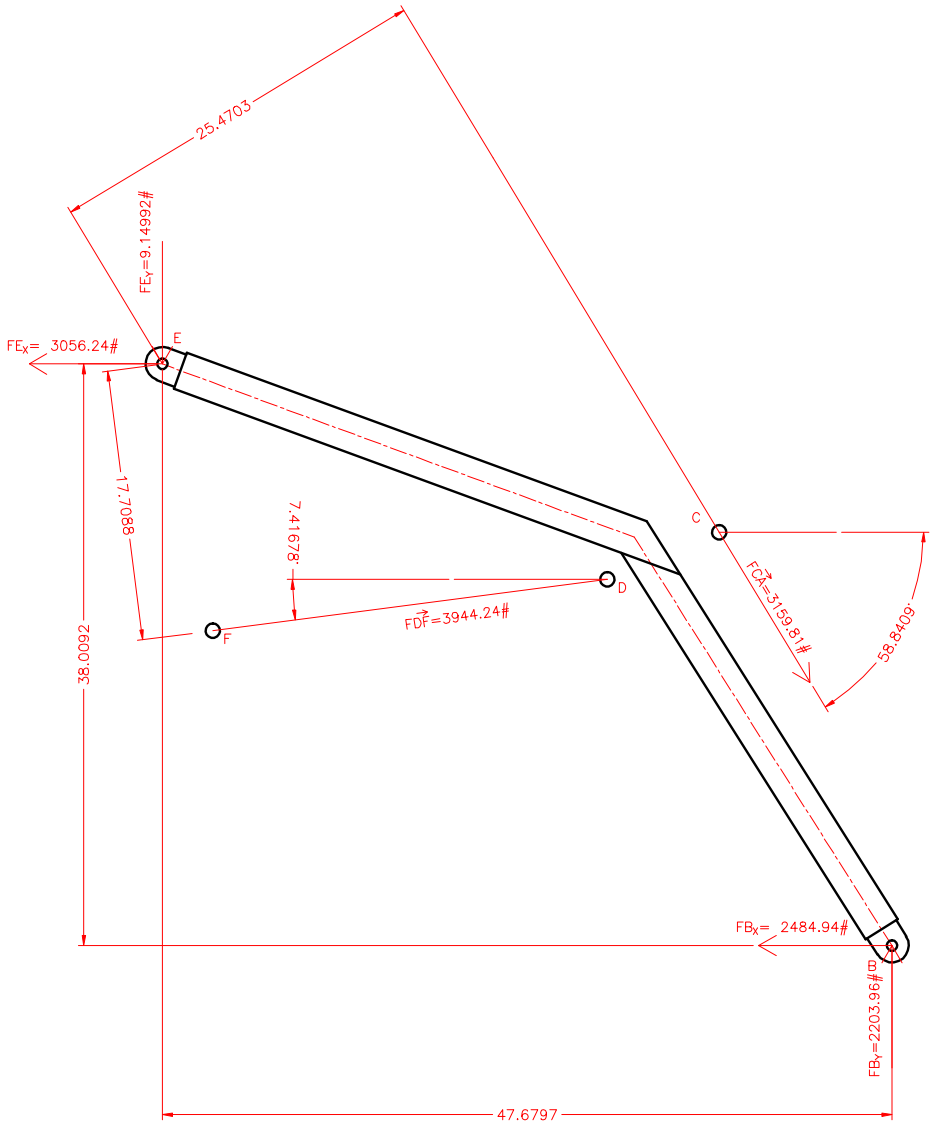

$\Sigma M_E^{\circlearrowleft}=(FB_Y*47.6797") + (FB_X*38.0092") +(F\overrightarrow{CA}*25.4703") - (F\overrightarrow{DF}*17.7088")=0$

$(-2203.96\#*47.6797") + (2484.94\#*38.0092") +(3159.81\#*25.4703) - (F\overrightarrow{DF}\#*17.7088")=0$

$69847.7"\# - (F\overrightarrow{DF}\#*17.7088")=0$

$\frac{69847.7"\#}{17.7088"} = \frac{F\overrightarrow{DF}\#*\cancel{17.7088"}}{\cancel{17.7088"}}$

$3944.24\# = F\overrightarrow{DF}\#$

$\Sigma F_X^{\rightarrow}=FB_X + F\overrightarrow{CA}_X + F\overrightarrow{DF}_X + FE_X=0$

$-2484.94\# + (3159.81\#* \cos 58.8409°) + (3944.24\#*\cos 7.41678°) - FE_X=0$

$3061.24"\# - (FE_X)=0$

$3061.24"\# = FE_X$

$\Sigma F_Y^{\uparrow}=FB_Y + FCA_Y + FDF_Y + FE_Y=0$

$2203.96\# - (3159.81\#*\sin 58.8409) + (3944.24\#*\sin 7.41678°) + FE_Y=0$

$9.14992\# + FE_Y= 0$

$9.14992\# = FE_Y$