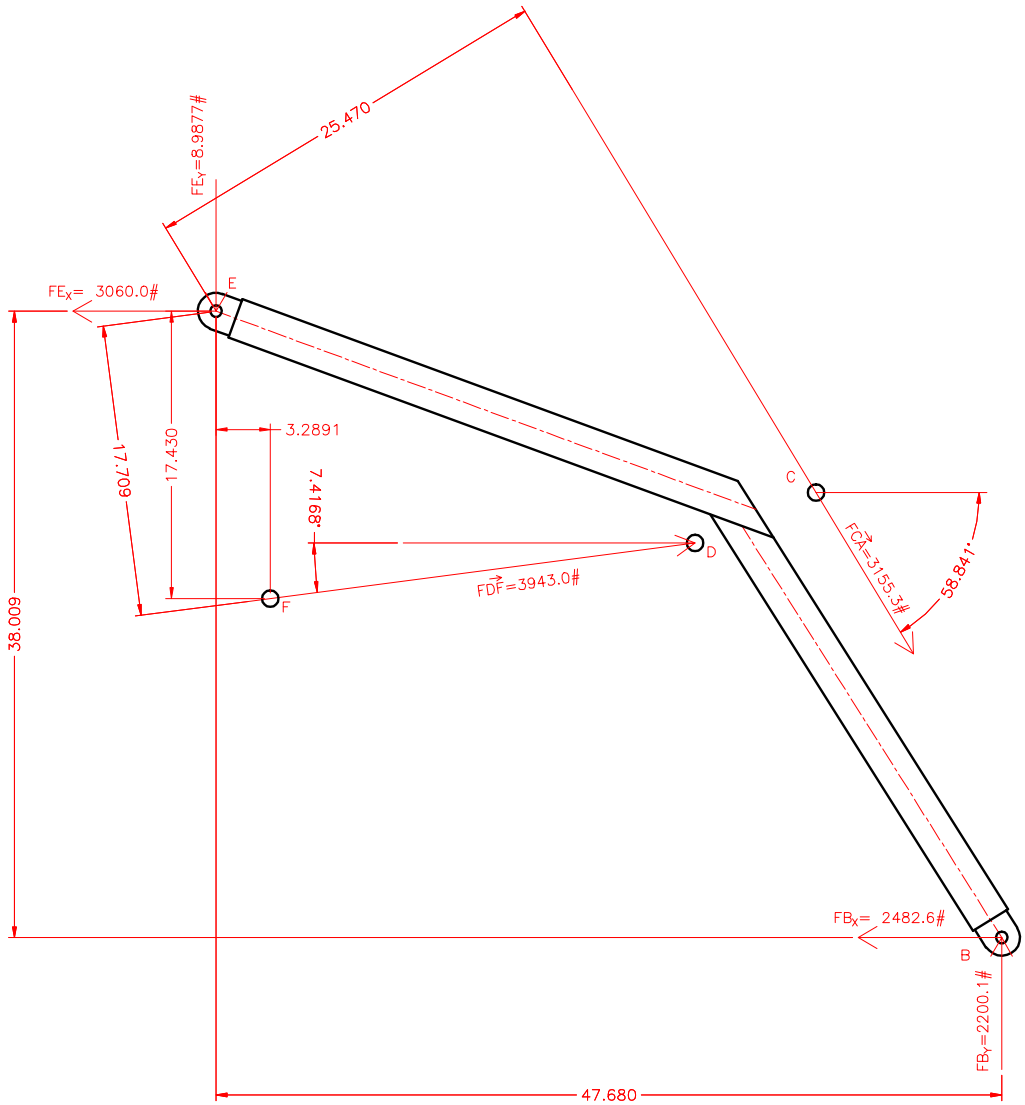

$\Sigma\vec{M}_E=(FB_Y*47.680") + (FB_X*38.009") +(F\vec{CA}*25.470") + (F\vec{DF}*17.709")=0$

$(-2200.1\#*47.680") + (2482.6\#*38.009") +(3155.3\#*25.470) + (-F\vec{DF}\#*17.709")=0$

$69826.0"\# + (-F\vec{DF}\#*17.709")= 0$
$-(-F\vec{DF}\#*17.709") \quad -(-F\vec{DF}\#*17.709")$

$\frac{69826.0"\#}{17.709"} = \frac{-F\vec{DF}\#*\cancel{17.709}"}{\cancel{17.709"}}$

$3943.0\# = -F\vec{DF}\#$
$-3943.0\# = F\vec{DF}\#$

$\Sigma\vec{F}_X=FB_X + F\vec{CA}_X + F\vec{DF}_X + FE_X=0$
$-2482.6\# + (3155.3\#* \cos 58.841°) + (3943.0\#*\cos 7.4168°) + (-FE_X)=0$

$3060.0"\# + (-FE_X)= 0$
$- (-FE_X) - (-FE_X)$

$3060.0"\# = -FE_X$

$-3060.0"\# = FE_X$

$\Sigma\vec{F}_Y=FB_Y + FCA_Y + FDF_Y + FE_Y=0$
$2200.1\# + (-3155.3\#*\sin 58.841) + (3943.0\#*\sin 7.4168°) + FE_Y=0$

$8.9877\# + FE_Y= 0$
$-FE_Y \quad -FE_Y$

$8.9877\# = -FE_Y$

$-8.9877\# = FE_Y$