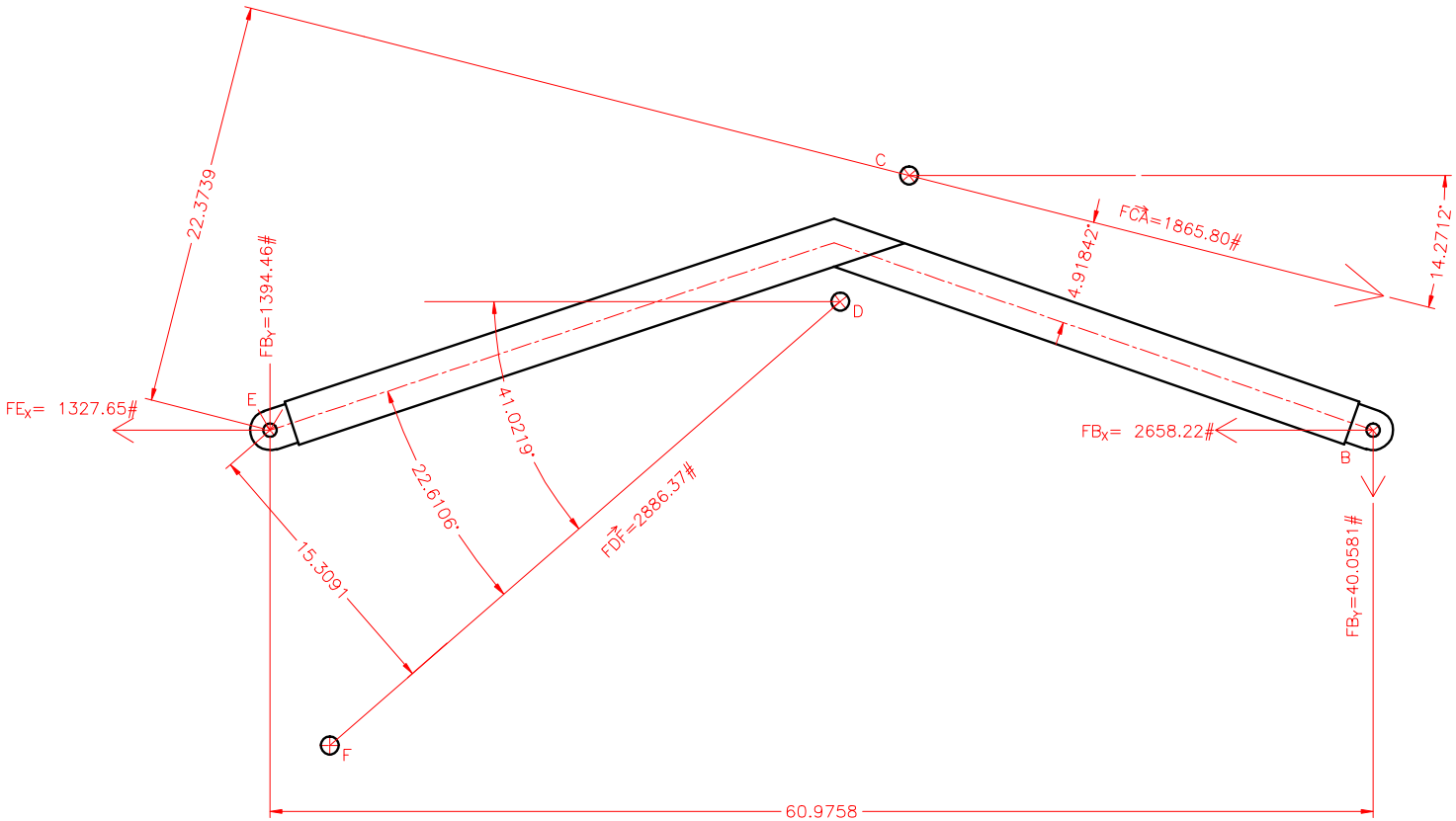

$\Sigma M_E^{\circlearrowleft}=(FB_Y*60.9758") + (FCA*25.4703") - (FDF*15.3091")=0$

$(40.0581\#*60.9758") + (1865.80\#*22.3739") - (FDF\#*15.3091")=0$

$44187.8"\# - (FDF\#*15.3091")=0$

$$\frac{44187.8"\#}{15.3091"} = \frac{FDF\#*\cancel{15.3091"}}{\cancel{15.3091"}}$$

$2886.37\# = FDF\#$

$\Sigma F_X^{\rightarrow}= + FCA_X + FDF_X - FE_X=0$

$-2658.22 + (1865.80\#* \cos 14.2712^{\circ}) + (2886.37\#*\cos 41.0219^{\circ}) - FE_X=0$

$1327.65"\# - (FE_X)=0$

$1327.65"\# = FE_X$

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

$-40.0581\# - (1865.80\#*\sin 14.2712) + (2886.37\#*\sin 41.0219^{\circ}) + FE_Y=0$

$1394.46\# + FE_Y= 0$

$1394.46\# = FE_Y$