$$\vec{R}_{A} = (A_{x} \hat{i} + A_{y} \hat{j} + A_{z} \hat{k}) | b$$

$$\vec{\pi}_{SO} = (T_{SO} \hat{k}) | b \qquad | T_{FF} = (T_{FF} \hat{k}) | b$$

$$\vec{\tau}_{O} = (-0.8 T_{CO} \hat{j} + 0.6 T_{CO} \hat{k}) | b$$

$$\vec{\tau} = (-250 \hat{k}) | b$$

Comp. 
$$\hat{c} \rightarrow A_{x} = 0$$
 ... (i)  
Comp.  $\hat{s} \rightarrow A_{y} - 0.8 T_{co} = 0$  ... (ii)  
Comp.  $\hat{k} \rightarrow A_{z} + T_{gp} + T_{gp} + 0.6 T_{cp} - 250 = 0$  ... (iii)

Calculando momentos:

$$\widetilde{M}_{A}^{T_{60}} = \widetilde{\Gamma}_{AS} \times \widetilde{T}_{60} = \begin{vmatrix} \widehat{A} & \widehat{J} & \widehat{k} \\ 4 & 0 & 0 \\ 0 & 0 & T_{50} \end{vmatrix} = (-4T_{50} \, \widehat{J}) \, |b.ft$$

$$\widetilde{M}_{A}^{T_{60}} = \widetilde{\Gamma}_{AC} \times \widetilde{T}_{C_{9}} = \begin{vmatrix} \widehat{A} & \widehat{J} & \widehat{k} \\ 4 & 4 & 0 \\ 0 & -0.8 \, T_{C_{0}} & 0.6 \, T_{C_{0}} \end{vmatrix} = (2 \cdot 4 \, T_{C_{0}} \, \widehat{J} - 2 \cdot 4 \, T_{C_{0}} \, \widehat{J} - 3 \cdot 2 \, T_{C_{0}} \, \widehat{k} ) \, |b.ft$$

$$\widetilde{M}_{A}^{T_{67}} = \widetilde{\Gamma}_{AE} \times \widetilde{T}_{EF} = \begin{vmatrix} \widehat{A} & \widehat{J} & \widehat{k} \\ 2 & 4 & 0 \\ 0 & 0 & T_{EF} \end{vmatrix} = (4T_{EF} \, \widehat{J} - 2 \, T_{CF} \, \widehat{J}) \, |b.ft$$

$$\widetilde{M}_{A}^{F} = \widetilde{\Gamma}_{AG} \times \widetilde{F} = \begin{vmatrix} \widehat{A} & \widehat{J} & \widehat{k} \\ 4 & 2 & 0 \\ 0 & 0 & -250 \end{vmatrix} = (-500 \, \widehat{J} + 1000 \, \widehat{J}) \, |b.ft$$

$$\widetilde{M}_{A}^{F} = \widetilde{\Gamma}_{AG} \times \widetilde{F} = \begin{vmatrix} \widehat{A} & \widehat{J} & \widehat{J} & \widehat{k} \\ 4 & 2 & 0 \\ 0 & -250 \end{vmatrix} = (-500 \, \widehat{J} + 1000 \, \widehat{J}) \, |b.ft$$

$$\widetilde{M}_{A}^{F} = \widetilde{\Lambda}_{AG} \times \widetilde{F} = \begin{vmatrix} \widehat{A} & \widehat{J} & \widehat{J} & \widehat{J} \\ 4 & 2 & 0 \\ 0 & -250 \end{vmatrix} = (-500 \, \widehat{J} + 1000 \, \widehat{J}) \, |b.ft$$

• De In 
$$\Sigma Ma = \vec{0}$$
 : (omp. ?  $\rightarrow$  2.4  $T_{CD}$  + 4  $T_{FF}$  - 500 = 0 ... (iv)  
(ourp. ?  $\rightarrow$  -4  $T_{SD}$  - 2.4  $T_{CD}$  - 2  $T_{FF}$  + 1000 = 0 ... (v)

· Resolutado las ecs.

- De (vi) 
$$\rightarrow$$
  $T_{cD} = 0$ 

- De (iv)  $\rightarrow$   $T_{eF} = 125 \text{ lb}$ 

De (ii)  $\rightarrow$   $A_x = 0$ 

- De (iv)  $\rightarrow$   $A_y = 0$ 

- De (vi)  $\rightarrow$   $A_{z} = 0$ 

- De (vi)  $\rightarrow$   $A_{z} = 0$ 

De (vi)  $\rightarrow$   $A_{z} = 0$ 

- De (vi)  $\rightarrow$   $A_{z} = 0$ 

De (ii) 
$$\rightarrow$$
  $A_x = 0$ 

De (iii)  $\rightarrow$   $A_y = 0$ 

De (iii)  $\rightarrow$   $A_{z} = -62.5$  16