



$$\Sigma M_E^{\circ} = (F_{B_y} * 47.680") + (F_{B_x} * 38.009") + (F_{C_A} * 25.470") + (F_{D_F} * 17.709") = 0$$

$$(-2525.7\# * 47.680") + (2679.5\# * 38.009") + (3535.8\# * 25.470") + (-F_{D_F}\# * 17.709") = 0$$

$$71477\#" + (-F_{D_F}\# * 17.709") = 0$$

$$-(-F_{D_F}\# * 17.709") - (-F_{D_F}\# * 17.709")$$

$$\frac{71476\#" }{17.709"} = \frac{-F_{D_F}\# * 17.709"}{17.709"}$$

$$4036.2\# = -F_{D_F}\#$$

$$-4036.2\# = F_{D_F}\#$$

$$\Sigma F_x^{\circ} = F_{B_x} + F_{C_A_x} + F_{D_F_x} + F_{E_x} = 0$$

$$-2679.5\# + (3535.8\# * \cos 58.841') + (4036.2\# * \cos 7.4168') + (-F_{E_x}) = 0$$

$$3152.4\#" + (-F_{E_x}) = 0$$

$$-(-F_{E_x}) - (-F_{E_x})$$

$$3152.4\#" = (-F_{E_x})$$

$$-3152.4\#" = F_{E_x}$$

$$\Sigma F_y^{\circ} = F_{B_y} + F_{C_A_y} + F_{D_F_y} + F_{E_y} = 0$$

$$2525.7\# + (-3535.8\# * \sin 58.841') + (4036.2\# * \sin 7.4168') + F_{E_y} = 0$$

$$21.012\# + F_{E_y} = 0$$

$$-F_{E_y} - F_{E_y}$$

$$21.012\# = -F_{E_y}$$

$$-21.012\# = F_{E_y}$$