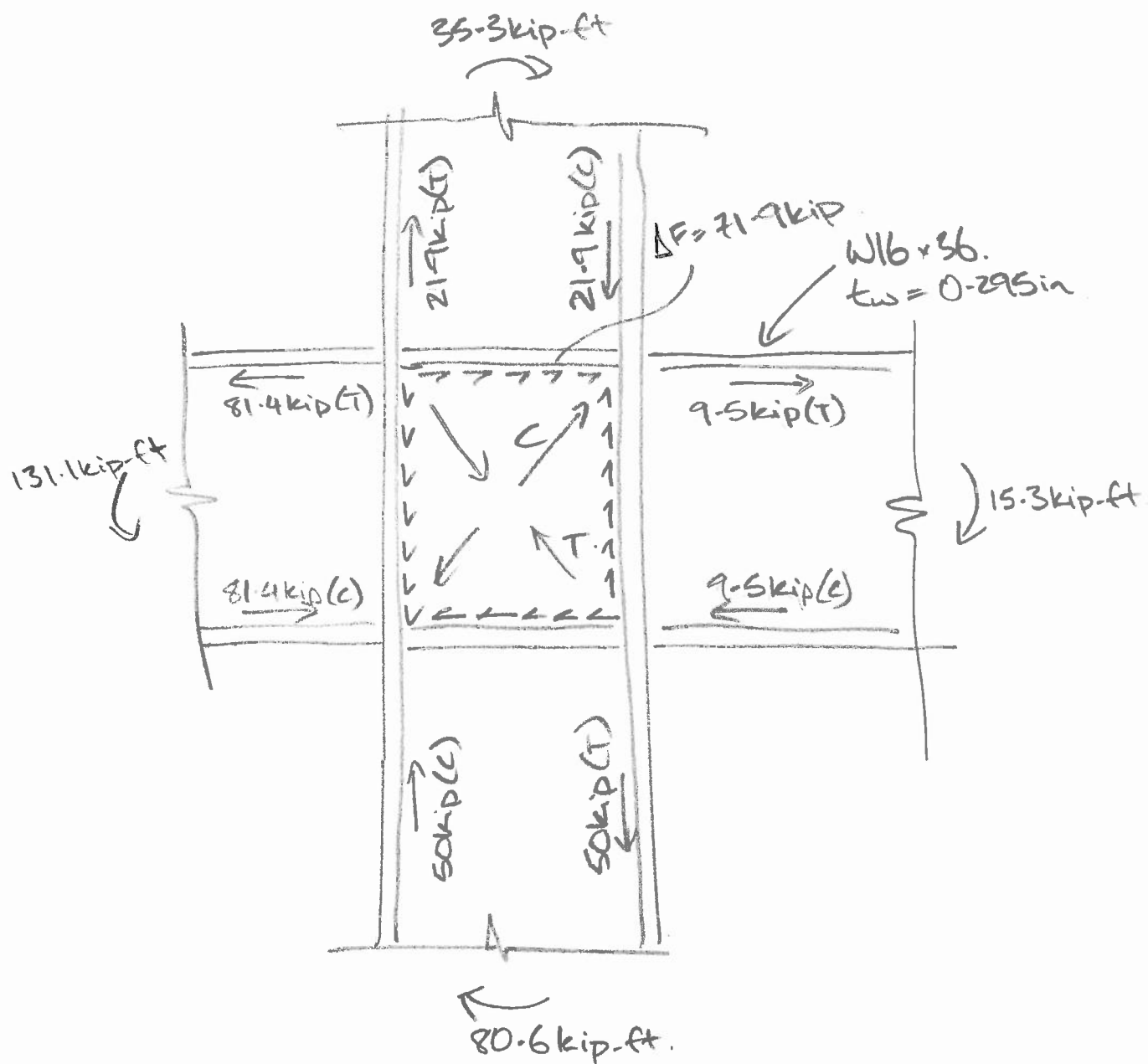


$$\text{DIAGONAL STRESS} = \frac{321 \times 10^3 \text{ N}}{\sqrt{2} \times 410 \text{ mm} \times 7.5 \text{ mm}} = \underline{\underline{73.8 \text{ MPa}}} < 0.4 E_w$$



$$\text{DIAGONAL STRESS} = \frac{71.9 \times 10^3 \text{ lbs}}{\sqrt{2} \times 16 \text{ in} \times 0.295 \text{ in}} = 10,700 \text{ psi}$$