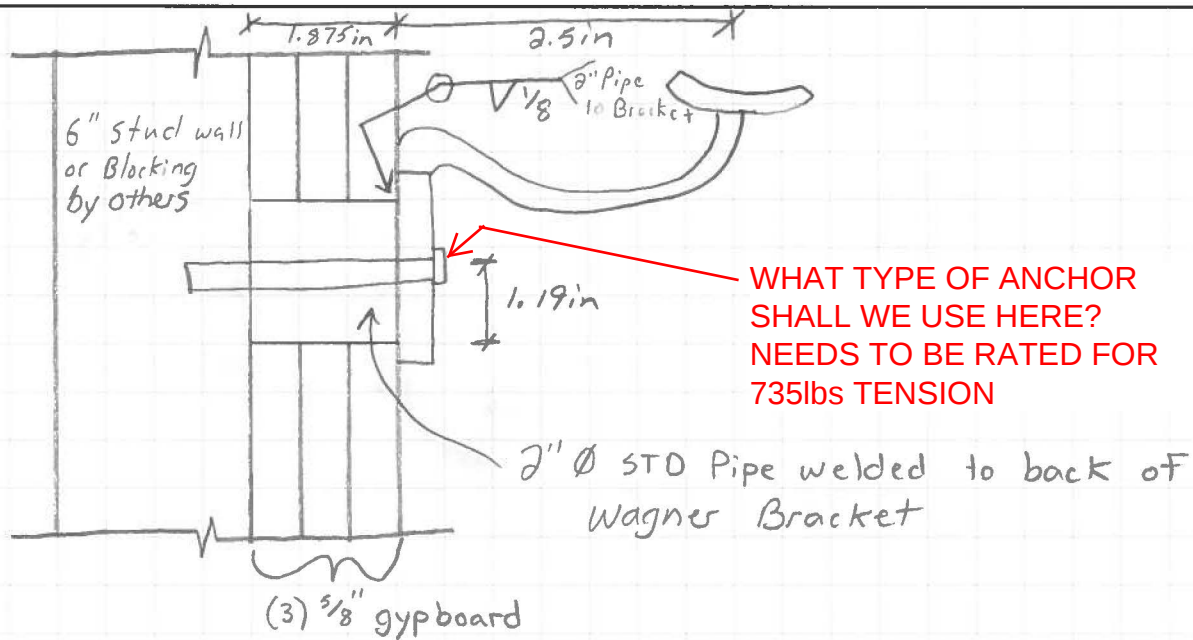




Check anchor for 200 lb Point Load

$$M = (200)(1.875 + 2.5) = 875 \text{ lbs}$$

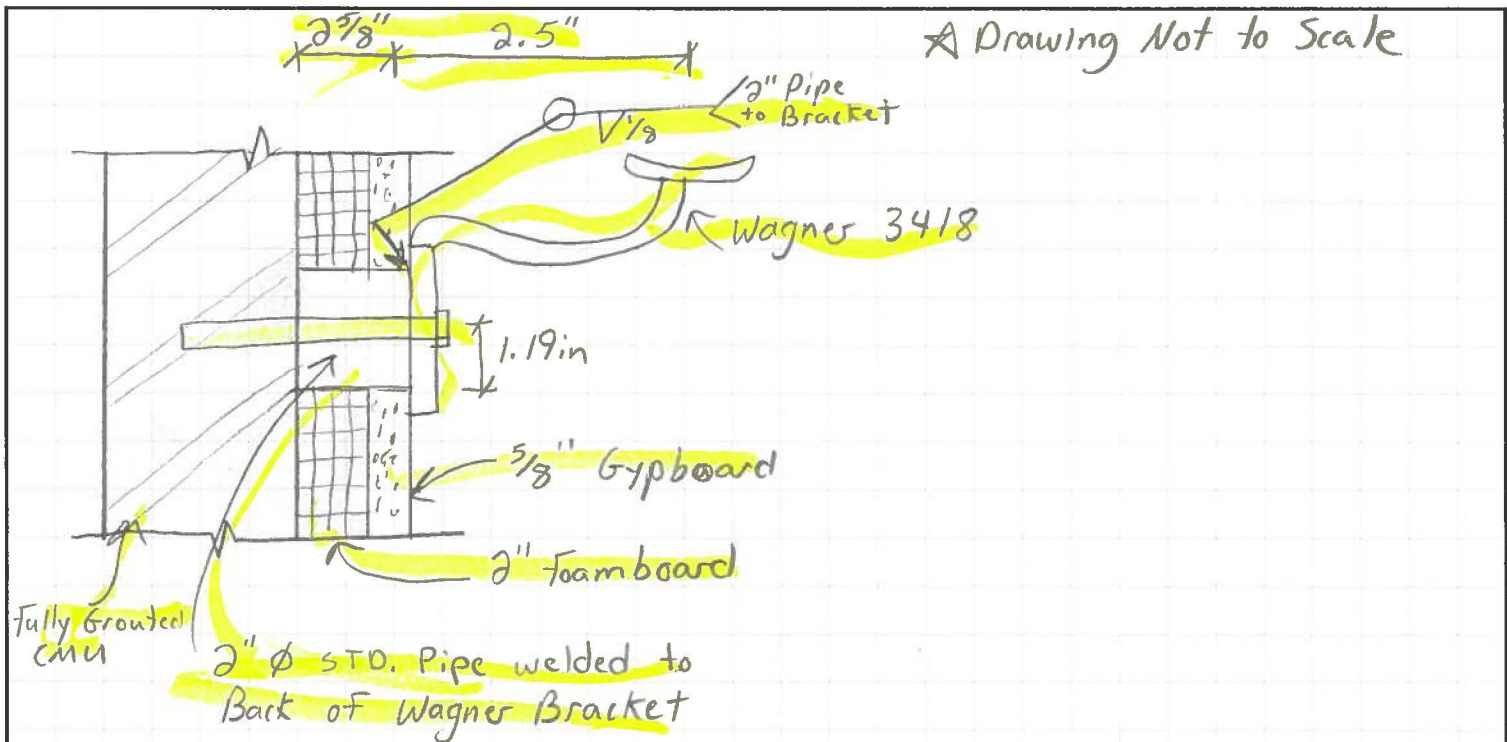
$$T = 875 / 1.19 = 735 \text{ lbs}$$

$$V = 200 \text{ lbs}$$

TTR Engineers

450 Grant St., Suite 130
Akron, Ohio 44311
Phone: 330-733-8332 Fax: 330-733-8326

JOB Addison Park # 170414
SHEET NO. _____ OF _____
CALCULATED BY PJM DATE 4/19/17
CHECKED BY _____ DATE _____



Check Anchor For 200lb Point Load
 $M = (200\text{ lb})(2.5 + 2.625) = 1025\text{ in-lb}$

$$T = 1025 / 1.19 = 861\text{ lbs}$$

Try 3/8" ϕ Hilti Kwik HUS (3/4" embed into Fully Grouted CMU)

$$\begin{aligned} T_{\text{allow}} &= 1,210\text{ lbs} \\ V_{\text{allow}} &= 1,190\text{ lbs} \end{aligned} \quad \left. \begin{array}{l} \\ \end{array} \right\} \text{Hilti Tech. Guide}$$

$$\begin{aligned} T &= 861\text{ lbs} \leq 1,210\text{ lbs} \quad \boxed{\text{OK}} \\ V &= 200\text{ lbs} \leq 1,190\text{ lbs} \quad \boxed{\text{OK}} \end{aligned}$$