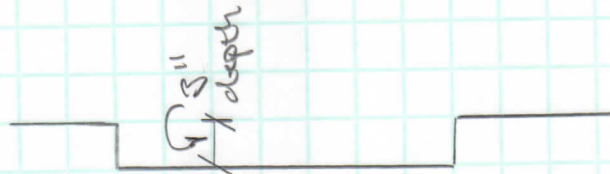


option #1: rely on bars to transfer shear by shear friction

$$\phi V_u = (.75)(4)(.78)(60) = 142.2^k$$

← 4 "middle" bars

option #2: recess pier into footing



$$\text{Required bearing area} = \frac{104^k}{(.65)(.85)(3)}$$

$$= 62 \text{ in}^2 / 24 \text{ in} = 3 \text{ in}$$