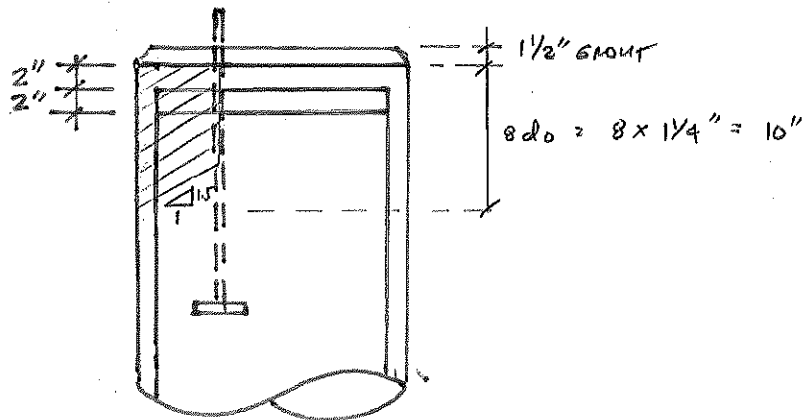
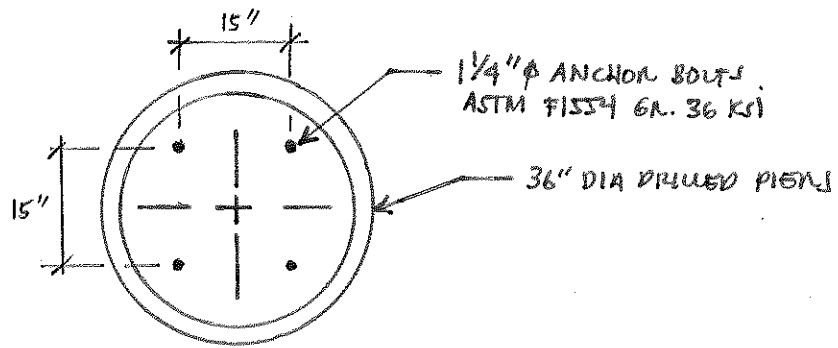


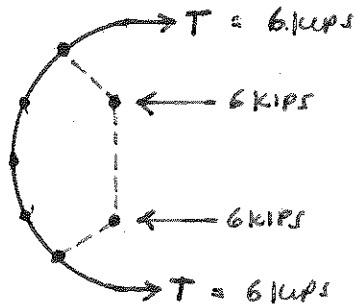
TOTAL SHEAR : 24 KIPS

SHEAR PER BOLT : 6 KIPS



ASSUMPTION : STRUT & TIE MODEL $\phi = 0.75$

FORCE DISTRIBUTION :



TIE CAPACITY : $\phi \times A_s \times F_y$ (USING #4)

$$: 0.75 \times 0.2 \text{ in}^2 \times 60 \text{ ksi}$$

$$: 9 \text{ kips}$$

TOTAL TIE CAPACITY : $9 \times 4 = 36 \text{ kips}$ (INCLUDES FIRST 2 TIES @ 2" SPACING)