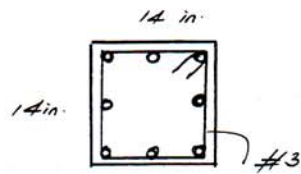


FE 1

CD:



8 #8

$$\text{clear spacing} = \frac{14 - 2 \times 1.5 - 2 \times \frac{3}{8} - 3 \times 1}{2}$$

$$= 3.625 \text{ in.}$$

$$< 6 \text{ in.}$$

$$> 1.5d_b = 1.5 \text{ in.}$$

or  $1 \frac{1}{2} \text{ in.}$  OK

$$\text{spacing} \leq 16d_b = 16 \text{ in.}$$

$$\leq 48 \times \frac{3}{8} = 18 \text{ in.}$$

$$\leq 14 \text{ in.}$$

$$\leq \frac{d}{2} \approx 6 \text{ in. (shear is present)}$$

Use #3 @ 6 in.