

Figure 1-9 Adhesive Anchors Design Example 2

1.6. Adhesive Anchors Design Example 2 - Single Anchor Away from Other Anchors but Near Edge

Design an adhesive anchor using threaded rod (ASTM A193, Grade B7) for a factored tension load of 18 kips. The anchor is located 4 inches from an edge but is isolated from other anchors. The anchor embedment length is to be sufficient to ensure steel failure.

Given:

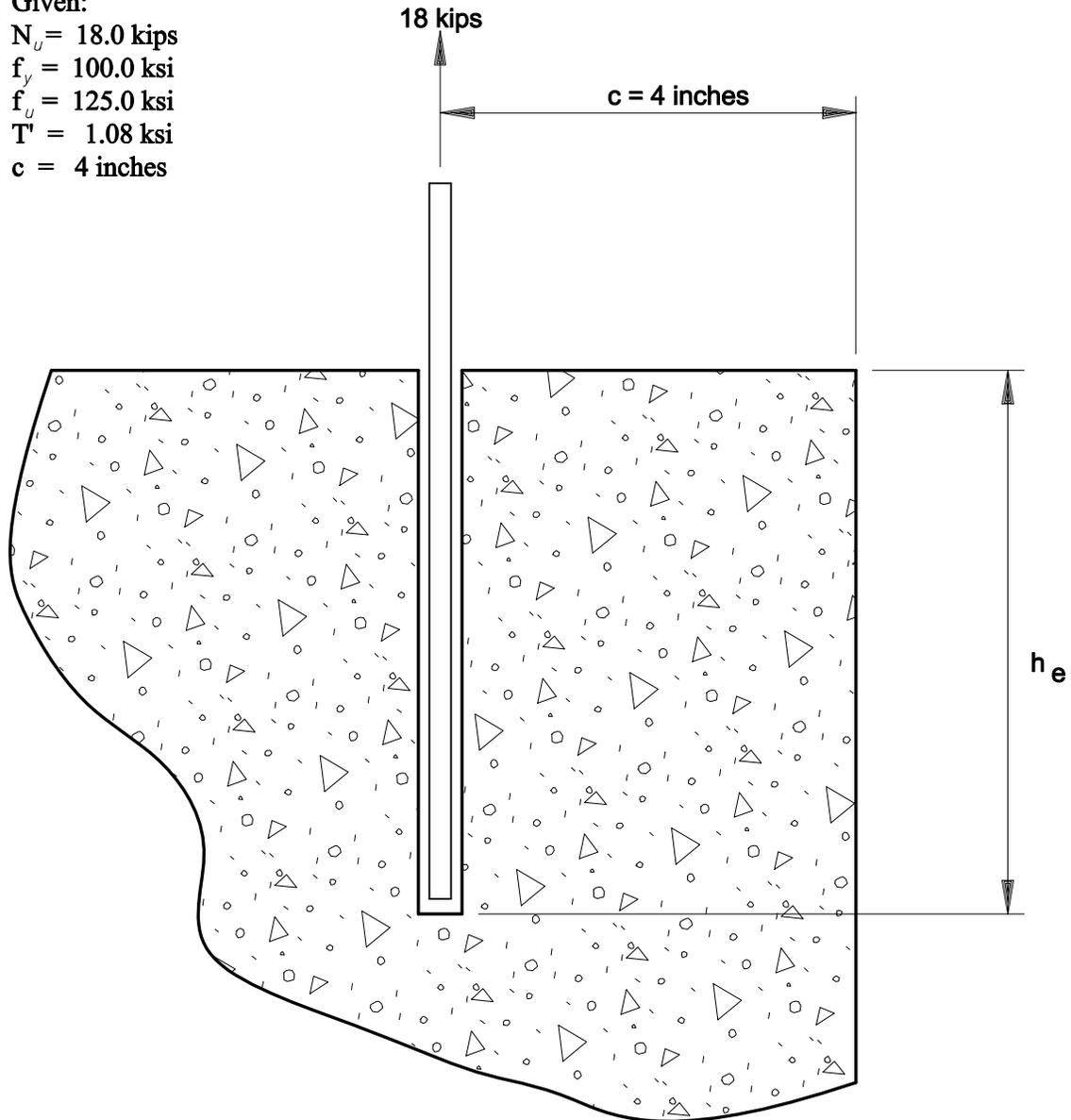
$$N_u = 18.0 \text{ kips}$$

$$f_y = 100.0 \text{ ksi}$$

$$f_u = 125.0 \text{ ksi}$$

$$T' = 1.08 \text{ ksi}$$

$$c = 4 \text{ inches}$$



Section View