

Figure 1-8 Adhesive Anchors Design Example 1

1.6. Adhesive Anchors Design Example 1 - Single Anchor Away from Edges and Other Anchors

Design an adhesive anchor using threaded rod (ASTM A193, Grade B7) for a factored tension load of 18 kips. The anchor is located more than 8 anchor diameters from edges and is isolated from other anchors. The anchor embedment length is to be sufficient to ensure steel failure.

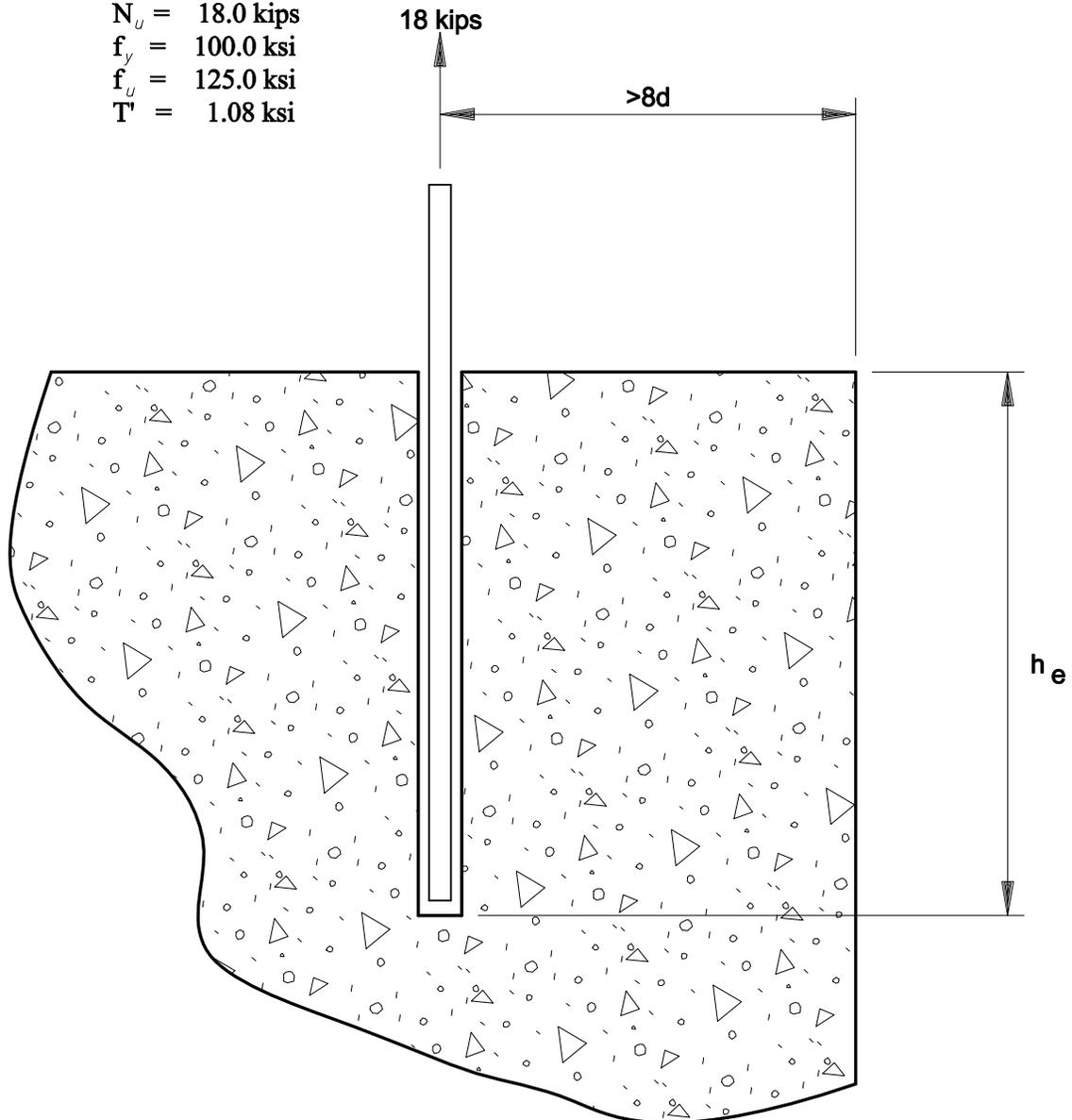
Given:

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

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

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

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



Section View