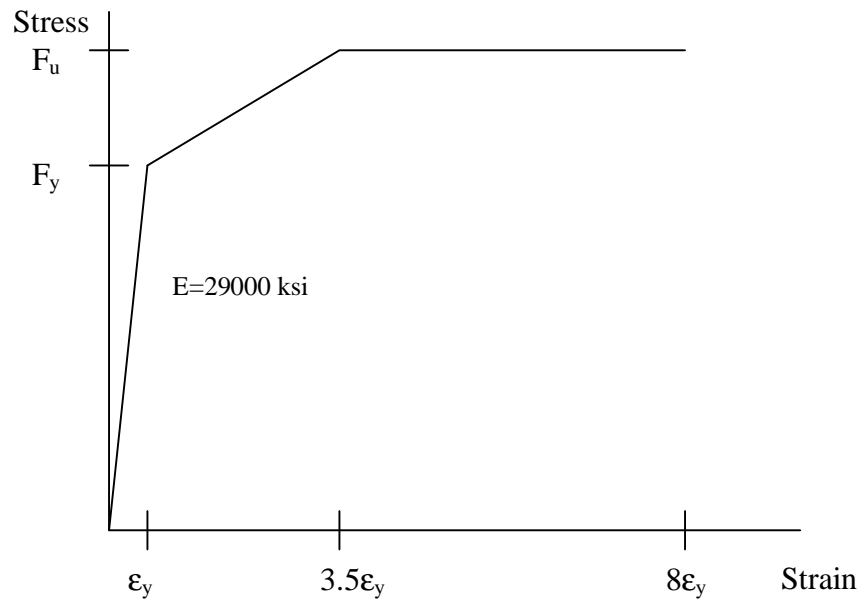


(a)



(b)

FIGURE 4-2. Stress-strain properties for (a) end-plate and beam material and (b) high strength bolts (not to scale).