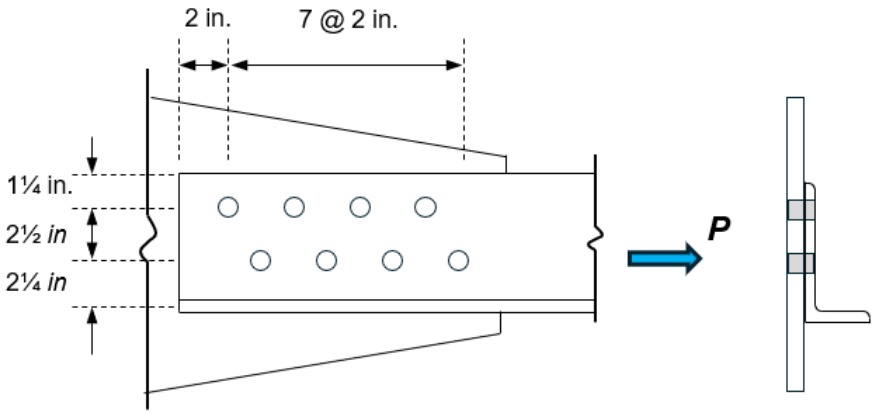
<u>Classroom Problem 3.4-1</u>: Compute the maximum acceptable tensile service load on a single angle **L6 x 4 x ½** of **A572 Grade 50** steel (F_y = 50 *ksi*, F_u = 65 *ksi*). The 6-in. leg contains a double-gage line of staggered ⅞ *in*.-diameter bolts. The live load is three times the dead load. Neglect of the effects of block shear.



<u>Classroom Problem 3.4-2</u>: Compute the maximum acceptable tensile service load on a single angle **L7 x 4 x ½** of **A572 Grade 50** steel (F_y = 50 *ksi*, F_u = 65 *ksi*). The 7-in. leg contains a double-gage line of staggered ⅞ *in*.-diameter bolts. The live load is three times the dead load. Assume both legs are connected. Neglect of the effects of block shear.