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Note: In the following problem, assume plain concrete to have a weight of 145 pcf (conservative) unless otherwise noted. The unit weight of normal-weight reinforced concrete is commonly assumed to be 150 lb/ft<sup>3</sup>. Find the weight per lineal foot (lb/ft) for a normal weight reinforced concrete beam that: a. Has a rectangular cross section 16 in. wide and 28 in. deep.

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