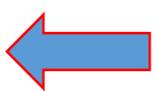




2015 Residential Code Question Of The Week

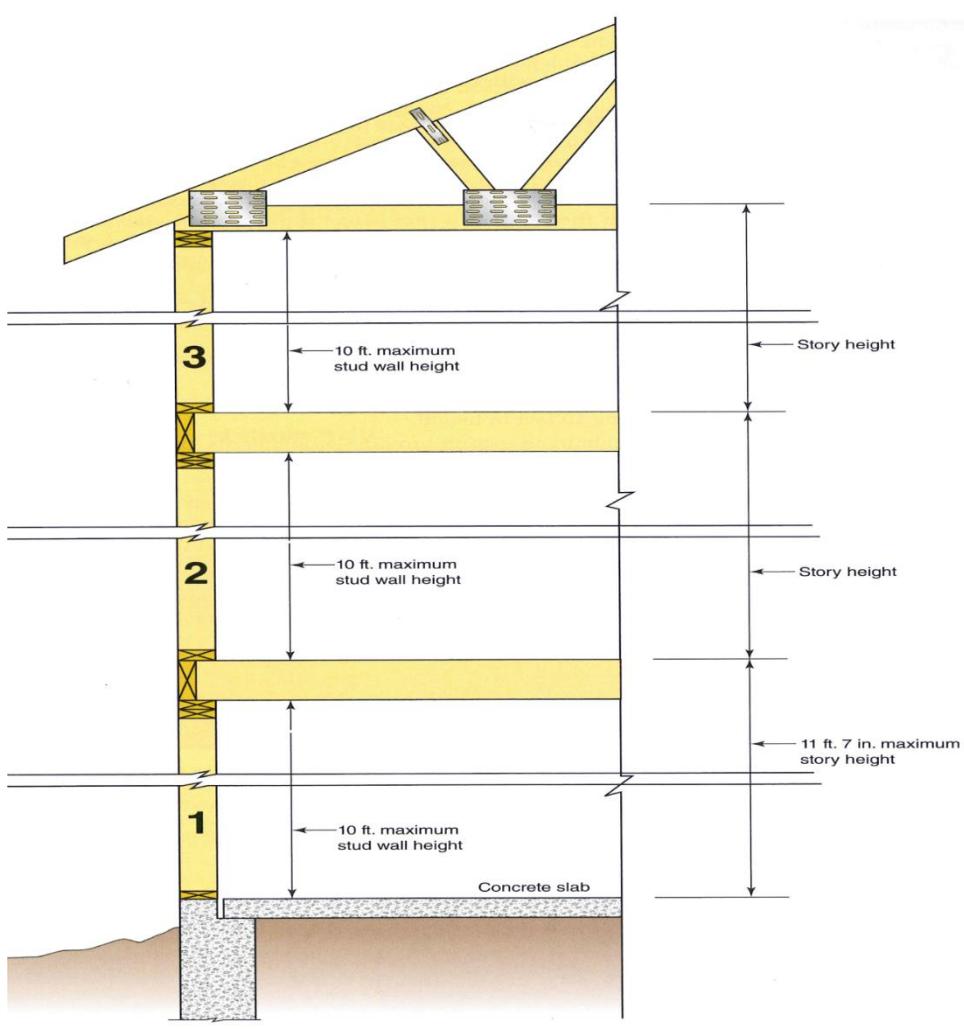
The story height of wood wall framing may not exceed _____.

- A) 10 feet
- B) 11 feet - 7 inches
- C) 147 inches
- D) 13 feet - 7 inches



R301.3

- Story height of wood and steel wall framing, insulated concrete, and SIP walls may not exceed 11 feet, 7 inches
- Masonry wall height is limited to 13 feet, 7 inches





2015 Commercial Code Question Of The Week

When calculating maximum floor allowances per occupant for a bowling center, the maximum allowance for each lane shall be ___ persons.

- A) 5 
- B) 7
- C) 9
- D) 11



IBC Table 104.1.2

Unconcentrated (tables and chairs)	---
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 net
Business areas	100 gross



2014 NEC Plan Review Question Of The Week

Which one of the following statements about Type THW conductors installed in electrical metallic tubing is NOT true?

- A) Electrical metallic tubing containing three 1 AWG Type THW conductors shall be of a minimum trade size of metric designator 35 (1-1/4 in.)
- B) The area of 1 AWG Type THW conductor is 0.1901 square inches.
- C) The area of 8 AWG Type THW conductors is 0.0437 square inches.
- D) An 8 AWG THW conductor can also be pulled into the metric designator 35 (1-1/4 in.) tubing with the three 1 AWG Type THW conductors. ←

1. In Index, find "Conductor fill" under which find "Electrical metallic tubing, 358.22."
2. Section 358.22 refers to Table 1, Chapter 9, under which Note 1 refers to Annex C for maximum number of conductors all of the same size; and Note 6 for combinations of conductors refers to the actual dimensions or Tables 5 and 5A for dimensions of conductors and Table 4 for applicable size of conduit.
3. Scan Annex C and find Table C1 which permits three 1 AWG Type THWV conductors in a metric designator 35 (1-1/4 in.) EMT conduit.
4. In Table 5, find Type THW conductors and the respective areas for the conductors stated in the question. Proceed to determine if the 8 AWG conductor can be installed in the metric designator 35 (1-1/4 in.) tubing.
1 AWG is 0.1901×3 conductors = 0.5703
8 AWG is 0.0437×1 conductor = 0.0437
Total area = 0.6140
5. Referring to Table 4 "Electrical Metallic Tubing" under "Over 2 Wires 40%" column. Metric Designator 35 (1-1/4 in.) tubing = 0.598 sq. in. The total area of all the conductors is 0.614. Therefore, the 8 AWG conductor is not permitted to be pulled into the tubing with the 1 AWG conductors.
6. The correct answer is D.

