



2015 Residential Code Question Of The Week

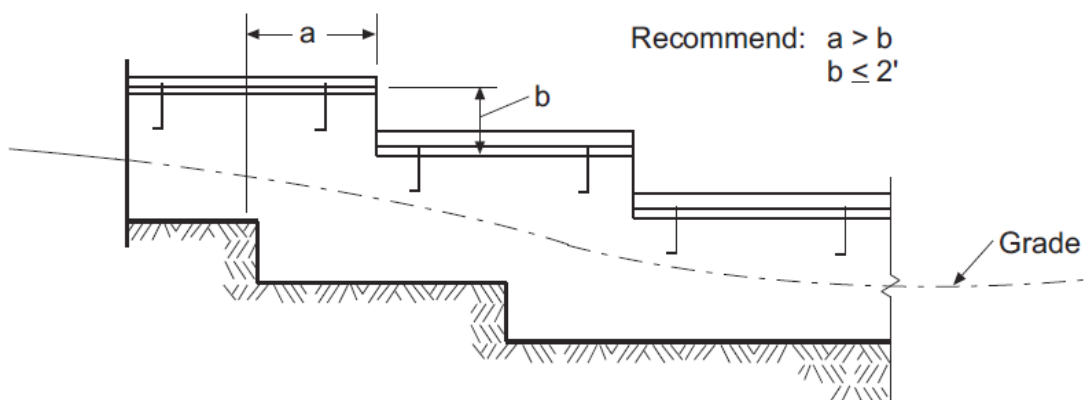
Footings shall be stepped where it is necessary to change the elevation of the top surface of the footings or where the slope of the bottom surface of the footings will exceed _____-percent slope.

- A. 2
- B. 5
- C. 8
- D. 10



R403.1.5

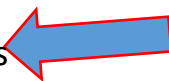
The top surface of footings shall be level. The bottom surface of footings shall not have a slope exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footings or where the slope of the bottom surface of the footings will exceed one unit vertical in ten units horizontal (10-percent slope).





2015 Commercial Building Code Question Of The Week

In nonrated buildings, construction supporting fire barriers need not be protected by equivalent fire resistance where the fire barriers are used for _____ .

- A. 1-hour occupancy separations
- B. 1-hour interior exit stairways
- C. 1-hour incidental use separations 
- D. 2-hour horizontal exits

707.5.1 Supporting construction. The supporting construction for a *fire barrier* shall be protected to afford the required *fire-resistance rating* of the *fire barrier* supported. Hollow vertical spaces within a *fire barrier* shall be fireblocked in accordance with Section 718.2 at every floor level.

Exceptions:

1. The maximum required *fire-resistance rating* for assemblies supporting *fire barriers* separating tank storage as provided for in Section 415.9.1.2 shall be 2 hours, but not less than required by Table 601 for the building construction type.
2. Supporting construction for 1-hour *fire barriers* required by Table 509 in buildings of Type IIB, IIIB and VB construction is not required to be *fire-resistance rated* unless required by other sections of this code.

509.4.1 Separation. Where Table 509 specifies a fire-resistance-rated separation, the incidental uses shall be separated from the remainder of the *building* by a *fire barrier* constructed in accordance with Section 707 or a *horizontal assembly* constructed in accordance with Section 711, or both. Construction supporting 1-hour *fire barriers* or *horizontal assemblies* used for incidental use separations in buildings of Type IIB, IIIB and VB construction is not required to be fire-resistance rated unless required by other sections of this code.



2014 NEC Question Of The Week

Which one of the following continuous rigid metal conduit raceway installations between pull points is in compliance?

- A. A raceway with three 90-degree and two 45-degree bends
- B. A raceway with three 90-degree and three 45-degree bends
- C. A raceway with three 90-degree and four 30-degree bends
- D. A raceway with two 90-degree, two 45-degree, and four 30-degree bends



344.26 Bends - Number in One Run

There shall not be more than the equivalent of four quarter bends (360 degrees total) between pull points, for example, conduit bodies and boxes.

