

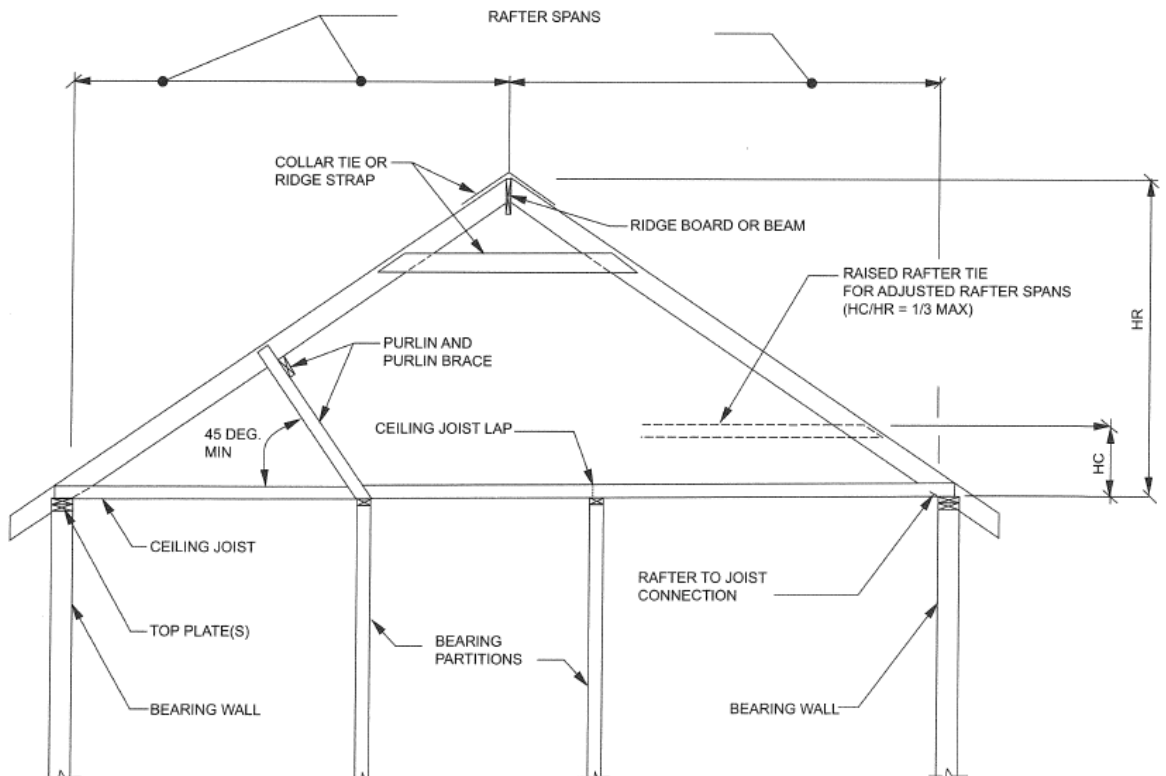


## 2018 IRC Question Of The Week

Where collar ties are used to connect opposing rafters, they shall be not less than \_\_\_\_\_ nominal.

- A) 1x4
- B) 2x4
- C) 1x6
- D) 2x6

**R802.4.6 Collar ties.** Where collar ties are used to connect opposing rafters, they shall be located in the upper third of the *attic* space and fastened in accordance with Table R602.3(1). Collar ties shall be not less than 1 inch by 4 inches (25 mm × 102 mm) nominal, spaced not more than 4 feet (1220 mm) on center. Ridge straps in accordance with Table R602.3(1) shall be permitted to replace collar ties.



For SI: 1 inch = 25.4 mm, 1 foot = 305 mm, 1 degree = 0.018 rad.

$H_c$  = Height of ceiling joists or rafter ties measured vertically above the top of rafter support walls.

$H_r$  = Height of roof ridge measured vertically above the top of the rafter support walls.

FIGURE R802.4.5  
BRACED RAFTER CONSTRUCTION