

**CHAPTER 6
WALL CONSTRUCTION**

**SECTION R602.10.1.1, EXCEPTION
IRC Interpretation No. 77-05
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R602.10.1.1 Spacing. Spacing of braced wall lines shall not exceed 35 feet (10,668 mm) on center in both the longitudinal and transverse directions in each story.

Exception: Spacing of braced wall lines not exceeding 50 feet shall be permitted where:

1. The wall bracing provided equals or exceeds the amount of bracing required by Table R602.10.1 multiplied by a factor equal to the braced wall line spacing divided by 35 feet, and
2. The length-to-width ratio for the floor or roof diaphragm does not exceed 3:1.



Q: Where exterior braced wall lines comply with the spacing requirements of Section R602.10.1.1, are interior braced wall lines required?

A: No. Interior braced wall lines are not required where all exterior braced wall lines are spaced a maximum of 35 feet on center as required by Section R602.10.1.1. However, the Exception permits braced wall lines to be spaced a maximum of 50 feet on center if the amount of wall bracing is increased by a factor equal to the braced wall line spacing divided by 35 as required in Item 1, and the length-to-width ratio for the floor or roof diaphragm does not exceed 3:1 as required in Item 2.
