

**NC Department of Insurance
Office of the State Fire Marshal - Engineering Division
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Foundation Anchor Strap Spacing

Code: 2018 Residential Code

Date: April 10, 2019

Section: R403.1.6

Question:

Can anchor straps be spaced on 6 feet centers like the 1/2-inch diameter anchor bolts listed in Section R403.1.6 even though the manufacturer lists the maximum spacing as less than that?

Answer:

No. The exception in this code section specifically indicates that the straps must be spaced as required to provide equivalent anchorage to the 1/2" bolts. Straps should be installed per the manufacturer's specifications. However, if the manufacturer indicates a maximum spacing such as 3 feet then it is acceptable to place 2 straps side-by-side in separate block cells and space them 6 feet apart. This arrangement places the same amount of uplift load on the strap (3 feet of wall) as it would if the straps were 3 foot on center.

Key Words: Simpson