



Masonry Veneer Ties and Attachment

The Building Standards Department issues Builder Tips as part of our customer service program. They are designed to provide an improved understanding of the Building Code and to reduce the costs associated with correcting infractions. Please contact your area building inspector for further information or call the Building Standards Department at 905.475.4848 extension 2189

9.20.9.5. Ties for Masonry Veneer

(1) Masonry veneer 70 mm (2¾ in) or more in thickness and resting on a bearing support shall be tied to masonry backing or to wood framing members with straps that are

- (a) corrosion-resistant,
- (b) not less than 0.76 mm (0.03 in) thick,
- (c) not less than 22 mm (7/8 in) wide,
- (d) shaped to provide a key with the mortar,
- (e) pre-bent during manufacture to a right angle within 6 mm (1/4) of the fastener hole,
- (f) fastened with
 - (i) corrosion-resistant wood screws conforming to Sentence 9.23.3.1.(3) that have a minimum diameter of 4.16 mm (No.8) and a wood penetration of not less than 38 mm, or
 - (ii) corrosion-resistant common spiral nails conforming to Sentence 9.23.3.1.(1) that are not less than 76 mm long and have a wood penetration of not less than 63 mm, and
- (g) spaced in accordance with Table 9.20.9.5.



OBJECTIVE

Ties in a veneer wall are the mechanism for connecting masonry veneer to its structural backing and for transferring loads, such as wind. Because of their shape and thickness metal strip ties are susceptible to corrosion, thus contributing to their structural failure. The use of galvanized strip ties and nails will offer some resistance to corrosion. Problems due to movement of the wall will be minimized and costly repairs will be avoided.

