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To: GAF Residential Sales, GAF Contractors, Field Services, AIS, CARE
From: Technical Services
No: TAB-R-172

Nailing Metal Flashing in Open Valleys

What Is The Concern?

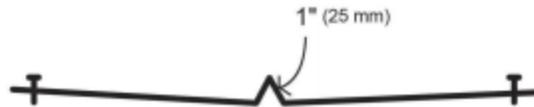
For asphalt shingle roofs... GAF's standard open metal valley construction calls for nailing along the edge of the metal flashing so that the nail head holds the metal in place without puncturing the valley metal. This allows for expansion and contraction of the metal. If the nail heads are not tight enough, the metal can move if it is stepped on during roof installation, causing a potential fall hazard.

What Else Do I Need to Know?

To help prevent the valley metal from moving under foot, nail it 1" (25 mm) down and 1" (25 mm) in from the top corner edges of each piece of valley metal.

As an alternative... the valley metal can be nailed through the metal 1" (25 mm) in from each edge, 12" (305 mm) o.c. provided that:

1. StormGuard® or Weather Watch® Leak Barrier is installed under the valley metal.
2. "W" type valley metal is used.



3. The valley metal is at least 20" (508 mm) wide or the minimum width required by local code, whichever is greater.
4. Shingles overlap the nail heads by a minimum of 6" (152 mm) or, if the shingles overlap by 4" (102 mm) to less than 6" (152 mm), the edge of the metal and nail heads must be stripped in with StormGuard® or Weather Watch® Leak Barrier. Overlaps less than 4" (102 mm) are not acceptable.
5. The roof slope has a minimum pitch of 4:12.
6. All other valley construction details are followed.

Questions?

GAF Technical Services Can Assist You... with these and other questions you may have regarding your new roof installation. Technical Support Services can be contacted at 800-766-3411. The GAF website is a great resource for just about any question you may have or for additional information you may require. Please visit www.gaf.com to find the latest information on our products and their installation.

Important: This document supersedes any prior GAF Technical Advisory Bulletins on this topic. Please always check www.gaf.com to make sure you have the most up to date information.