

# TECHNICAL ADVISORY BULLETIN



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Largest Roofing Manufacturer!™

To: GAF Residential Sales, GAF Contractors, GAF Field Services

From: Technical Services Department

Subject: California Valleys-Closed Cut

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## Why Is Proper Valley Flashing So Important?

## Where Can A Closed Cut California Valley Be Used?

## How Is A Closed Cut California Valley Constructed?

Proper valley and valley flashing techniques is one of the most important installation aspects of a new roof. When installed correctly, the valley flashings provide a weather-tight seal against the elements. Poorly constructed/installed valleys may cause roof leaks and are very difficult to repair. Proper valley construction and installation is very important for proper roof drainage.

For the Timberline® Series Shingle installations:

▪ **Closed Cut California Valleys** are acceptable on **slope of 4:12 or greater** unless prohibited by local codes.

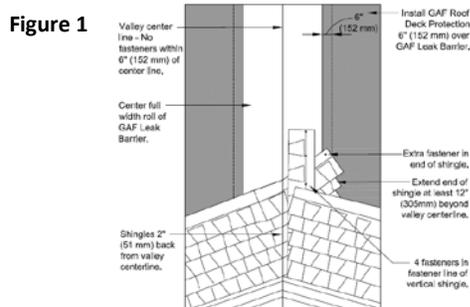
All other shingles:

▪ **GAF does not recommend the use of the California Valleys** or any valley that does not follow the guidelines as established by ARMA or the NRCA.

▪ **Leaks** may occur if California Valleys are installed with the wrong shingles.

1. **Install Weather Watch® or StormGuard®** over the entire valley length and then **install Roof Deck Protection** with a minimum 6" (152 mm) overlap into the valley.
2. **Install starter shingles and the shingles on the lower slope or lesser height...** extend the end shingle of each course at least 12" (305 mm) onto the adjoining roof.
3. **Press shingles into the valley and nail** as directed on the bundle with the exception that no nails are within 6" (152 mm) of the valley centerline.
4. **Additional fasteners...** place two nails at the end of the shingle that has crossed the valley; one on the nail line, 1" (25 mm) from the edge and one positioned 1" (25 mm) from the edge at the top of the headlap.
5. **Snap a chalk line 2" (51 mm) back** from the valley centerline on the adjoining roof.
6. **Install one row of shingles, end-to-end**, with the butt edge towards the valley, along the chalk line (see Fig.1).
7. **Fasten the row of shingles in the valley** with 4 nails per shingle along the nail line.
8. **To complete the valley, start from the valley and work towards the rake edge. Position each shingle starting a course with the tip of the shingle at the butt edge of the vertically installed shingle.** Fasten shingles as usual with the exception of staying 6" (152 mm) away from the valley centerline. Start the first course with a full length shingle; the second course with enough trimmed off of the shingle to maintain a 6" (152 mm) offset from the first course; the third course trimmed to maintain a 5" (127 mm) offset from the second course; the fourth course trimmed to maintain a 6" (152 mm) offset from the third course; and the fifth course should start the pattern over again with a full shingle.

**Note: Vertical shingles that have sealant on the top surface in the headlap must be hand sealed along the bottom butt edge in the valley.**



## Where Can I Get More Information?

**GAF Technical Services Can Assist You...** with these and other questions you may have regarding your new roof installation. GAF Technical Services can be contacted at **800-ROOF-411** (800-766-3411). Also, 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](http://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](http://www.gaf.com) to make sure you have the most up to date information.