A No-Math Approach to

Valley Plates

Whether you're tying in new gable dormers or adding a chimney cricket, giving the valley jacks a place to land has never been easier

BY JOHN CARROLL



epending on where you live, and who you're framing with, you'll hear valley plates called a lot of different names: valley boards, blind valleys, California valleys, reverse valleys, layover valleys, false

valleys, and sleepers. Valley plates are used most commonly when framing layover gable dormers or chimney crickets as a means of attaching the new framing to the existing sheathing and rafters, and to provide a place for the valley jacks to land. Compared to laying out and installing the ridge board and common rafters, framing the valley plate can be pretty confusing. It's possible to figure the layout using geometry—the valley plate is essentially the hypotenuse of an imaginary triangle laid flat on the roof deck. But I prefer to avoid the math, instead relying on stringlines, measurements, and some creative marking in place. \Box

John Carroll is author of The Complete Visual Guide to Building a House (The Taunton Press, 2014).

Lay out and install the valley plate

The valley jack rafters need to rest on a plate. The plate doesn't need to be beveled, but because of its thickness, you need to install it inside the valley line; the object is to get the top outside edge of the plate in plane with the tops of the

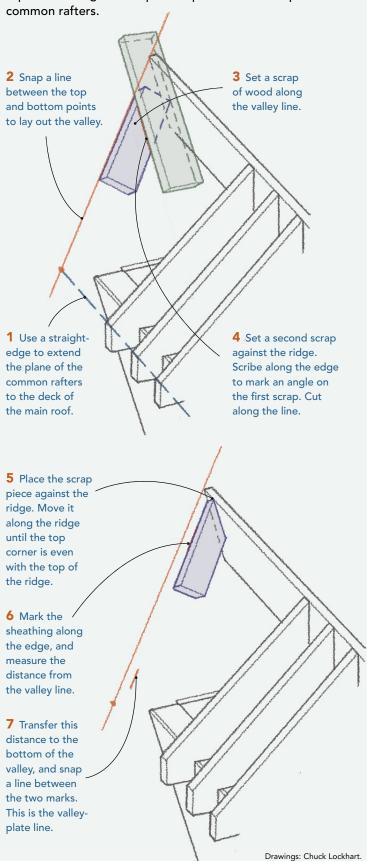
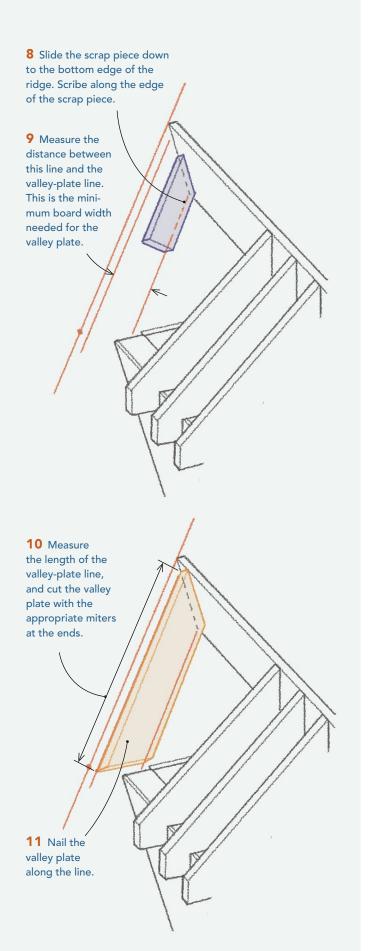


Photo: Justin Fink



Lay out and install the valley jacks

