

SmartVent Mid-Roof, Off-Wall & Off-Peak Installation Instructions



Step 1

Shingle up to the area that requires the SmartVent. (Figure 1) Do not install any underlayment or shingles above the location of the SmartVent prior to the completion of the SmartVent installation.

Step 2

At the location of the shingle course (where the SmartVent is to be located) measure up from the bottom of the shingle (the weather edge) 6" to 7" before installing the actual shingle. (Figure 1)

Step 3

Make lines at the 6" and 7" marks and cut through the top of the previously installed shingle and the plywood only. Do not cut the rafters! Stay 12" in from ends of walls or obstructions. (Figure 2)

IMPORTANT NOTE:

Make sure that your blade depth is set to the thickness of the decking. Do not cut into the rafters more than 1/8".

Step 4

Remove the plywood decking after the continuous cut and ensure the air flow is open from soffit to ridge or exhaust vent.

Step 5

Using the fabric at the rake edge or a SmartVent End Cap, nail the SmartVent similar to the eave detail CROSS SECTION but make it even with the bottom edge of the course of shingle next to be installed. Use a minimum of four nails across the lift edge starting 2" in from the edges. Use nail line in fabric. Align matching nails at the top of vent. (Figure 3)

Step 6

Apply a roll of ice shield on top of the SmartVent even at the lower lift edge and directly to the plywood above the vent. If tarpaper was already installed, gently tuck the ice shield under the higher course of tarpaper so it laps over the ice shield by at least three inches or more. Ensure ice shield adheres to SmartVent and wood decking, not installed over tarpaper. (Figure 4)

Step 7

Install a starter course of shingle slightly overhanging the SmartVent bottom edge about 1/2". Align shingles per manufacturers' directions starting at 1/2" overhang. (Figure 5)

Step 8

Install the shingles over the starter course and continue shingling up the roof. The installation at the mid-roof is very similar to that of the eaves edge. If you have any questions or comments on installation please call 1-800-622-4455 and ask for a roof ventilation technician to assist you.

