

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

STEP 1: Shingle up to the area that requires SmartVent.

- Do not install any underlayment or shingles above the location of the SmartVent prior to the completion of SmartVent installation.

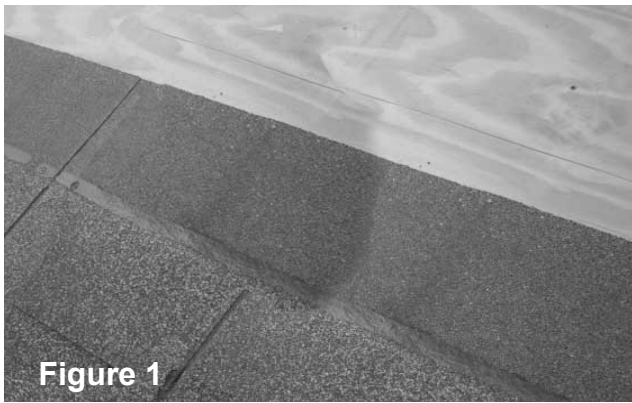


Figure 1

STEP 2: Make lines at the 6" and 7" marks as shown below.

- At the location of the shingle course (where the SmartVent is to be located) measure up from the bottom edge of that shingle 6" to 7" before installing that course of shingle.
- Strike chalk lines to mark the 1" cutout. Use a circular saw to cut plywood. Do Not Cut Into Rafters!
- See step 3 before cutting through the top of the previously installed shingle and plywood along the chalk lines.



Figure 2

STEP 3:

- When cutting the 1" slit, stay 12" in from the roof edges, walls, valleys, hips, pipes or any other obstruction. Use a circular saw.
- Using the circular saw, use safety when cutting and set blade depth so you do NOT cut into the rafters!
- Use SmartVent Tapered End Caps when terminating a run within the shingled area.



Figure 3

STEP 4: Remove the plywood decking after the continuous cut and ensure the airflow is unobstructed from the cut slit to the ridge or off-ridge exhaust vent.

- Ensure the full roll width of ice shield installs on top of SmartVent
- Shingles must have a 1/2" overhang beyond the lifted edge of the vent.



Figure 4

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STEP 5: Nail the SmartVent so that it is even with the bottom of the edge where the next course of shingle would be installed. If starting at the rake edge, install the fabric method by wrapping the fabric around the end of the vent (see SmartVent eave vent directions steps 2, 3 & 4). If starting or ending within the shingled area use the SmartVent Tapered End Cap method shown on the last page.

- Starting 2" from each end of the SmartVent piece, nail the SmartVent to the roof decking at the top edge with 4 nails spaced evenly (use nail line in fabric) **See Below**
- Nail the bottom with four nails matching the spacing of the top row of nails at the nail line in the fabric.



STEP 6: Apply a roll of ice and water membrane on top of the SmartVent and directly to the plywood above the SmartVent.

- If tarpaper was already installed, tuck the ice and water membrane under the higher course of tarpaper so there is a 3" overlap
- Ensure the ice and water membrane adheres to the SmartVent and wood decking and not the existing tarpaper.



STEP 7: Install a starter course of shingle overhanging the SmartVent edge by at least 1/2" and not more than 3/4".

- Note that the shingle course being installed over the SmartVent is 1/2" to 3/4" past the lift edge of the SmartVent. Do Not install shingles even with the vent, they must overhang.



STEP 8: Install the shingles over the starter course and continue to shingle the roof normally.

