

SmartVent Shed Roof or Roof-to-Wall Installation instructions



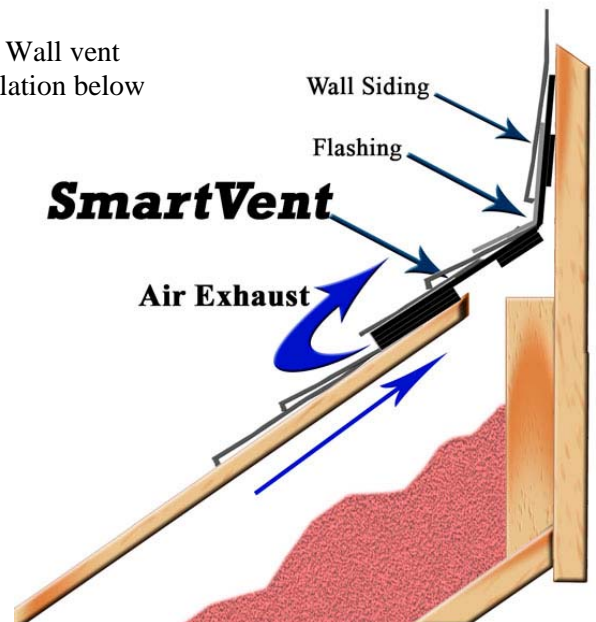
Step 1 Shingle up to the area that requires the SmartVent Roof to Wall vent application. Ensure there is proper continuous intake ventilation below proposed Roof to Wall ventilation.

Step 2 Measure 3" out from the wall where the SmartVent will bend up on the wall. Strike a chalk line at the 3" mark along the roof decking and cut out the roof decking (leave about 12" of decking uncut at each roof edge or before any wall, valley, hip, etc.). Ensure the cuts do not penetrate the roof rafters. Remove roof decking and ensure there is at least 1" of clear space between roof decking and any header board. This allows the air to escape. Complete the shingling to the slit cutout but ensure the shingles do not cover the cutout opening.

Step 3 Install the SmartVent end fabric at the roof edge hanging half, 5.25", beyond the roof edge and nailing fabric to roof deck (*Note: The fabric can be folded to 6" X 10.5" to fit properly before nailing to cover the SmartVent roof edge. Fabric is not required on the section of SmartVent attached to the wall, only the roof area*). Next, install the SmartVent by bending at the routed hinge and having the smooth side of the vent facing you. The rough side will be down against the roof and wall and nailed at 2" in from ends (along the black nail line in the fabric) and two nails evenly spaced between them. Nail the vent to the wall with matching spacing of nails. Ensure the vent is nailed at each edge 2" in. Nail length should penetrate through roof decking. Ensure the SmartVent is placed tight against the roof and wall before securing with nails. Butt each piece tightly against the previous one. Continue to the opposing roof end.

Step 4 Complete the SmartVent end of the run by installing the end fabric at the shingle edge by folding one side over to make a 6" X 10.5" piece of fabric. Nail half on the roof (5.25") and leave half (5.25") hanging over the roof edge and placing the last cut piece of SmartVent over the fabric but even with shingle gable edge. Wrap the remaining fabric tightly over the top of the SmartVent even with the shingle end and nail.

Step 5 It is recommended to install ice shield on top of the SmartVent extending up the wall about 12" to ensure a weather tight seal, lapping under any house wrap so water can drain over the ice shield (any waterproof membrane will work instead of ice shield). Next, shingle above the SmartVent to the wall, overhanging the top shingle past the SmartVent lifted edge by 1/2" and then install a flashing that covers at least 4" of the shingle and extends up the wall at least 4". Metal or vinyl flashing can be used. Ensure all openings in the wall above the roof to wall area are completely sealed such as lower and upper window corners and flashing details around windows, doors and trim boards. When metal flashing is used instead of shingles over the SmartVent, ensure the metal flashing over hangs the SmartVent lift end by 1/2" and up the wall 4" minimum. Secure flashing to wall. SmartVent is rated at 9 NFVA.



Installation Questions? Call 1-800-622-4455 or visit www.dciproducts.com