

Bathrooms: ALL bathrooms, regardless of location, fixtures, or window location, should have vent fan/light combos. They should be wired so that if A SINGLE light in the bathroom is turned on, the fan turns on as well, so that mildew and mold do not have a chance to form. This can be accomplished with a pigtail from both light switches, to the fan.

The vent should be vented to the exterior of the house. This should either go through the roof of the house, in hard pipe, that is wrapped with insulation, or, through the wall, in hard pipe.

In retrofit situations, it is OK to run EMT to the vent fan, and to expose the vent pipe.

It may be easiest to mount the fan in an exterior wall.

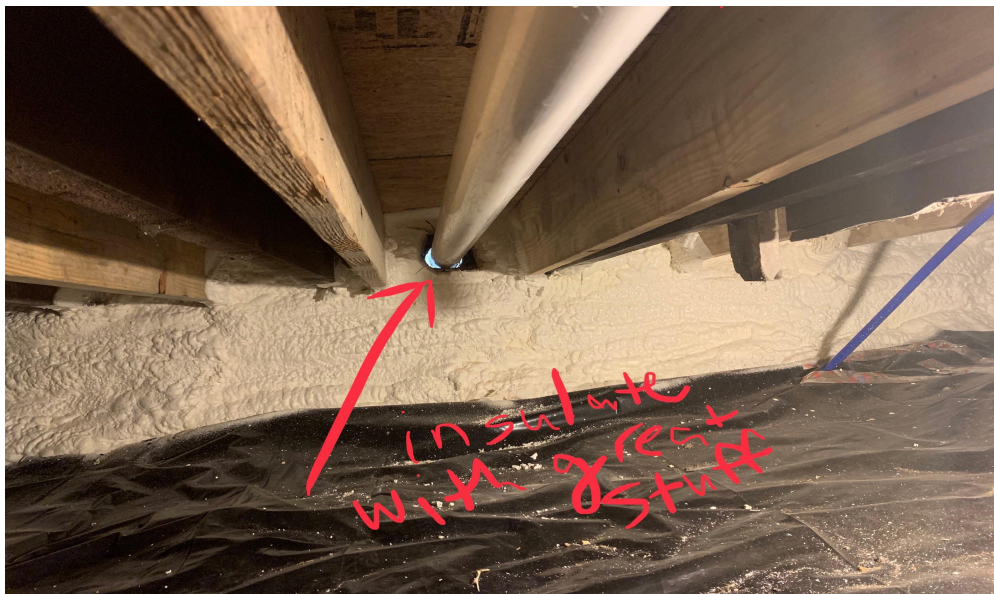


Attics: should have adequate venting. There are very few instances in which there will be a powered vent fan, as there should be passive roof vents.

In the event a roof vent is installed, it should have a fuse in it, to keep it from accelerating a potential house fire, should be controlled by a labeled switch, or be on a dedicated circuit, that is

labeled for this use. It should also be on a thermostat so that the roof does not vent with a temperature of less than 85 degrees.

Crawl Space: When turning a crawl space into an “encapsulated crawl space” which utilizes heavy amounts of foam board, and spray foam, please install a humidity controlled Vent fan in the crawl space, to keep moisture from building up. There will be no crawl space vents anymore so this is very important.



Install the smallest powered bathroom vent fan you can find, and wire it to a switch in the house, with a timer. The switch plate should be labeled, so that people know what the switch is for. Use the following formula:

Conditioned air supply sized to deliver at a rate equal to 1 cubic foot per minute (0.47 L/s) for each 50 square feet (4.7 m²) of under-floor area, including a return air pathway to the common area (such as a duct or transfer grille), and perimeter walls insulated.

Plug vent fans into a timer, that is plugged into an outlet. A good rule of thumb is that the vent fan should be on for 5 hours a day. Set the timer to come on late at night, when the air outside is cool.



Westek Outdoor Grounded Daily Mechanical Timer, Dual Outlet, White



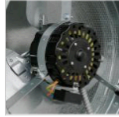
\$12.99

Quantity:

ROOF VENT FANS: Install, a powered fan, on a switch (that is labled) in the middle of the eastern facing part of the roof. It should be set to come on whenever the temperature is 80 degrees. VENT FANS SHOULD BE INSTALLED ON THE OPPOSITE SIDE OF THE HOUSE THAT THE SUN SETS ON (generally, the eastern side).



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