

 <p>State of Ohio Weatherization Program Standards</p>	Section	<b>MECHANICAL SYSTEMS INSPECTION</b>
	Subject	<b>Mechanical Ventilation</b>

*EXHAUST FANS 201-6.1*

Note and record the locations of all exhaust fans, including clothes dryers, and whether they are properly vented to the outside. **number and location**  
201-6.1a

Record the type and condition of existing venting duct material. **vent duct material**  
201-6.1b

Note whether the venting duct extends to the outside of the house, i.e., through the roof, soffit or side of the house. Specify the installation of rigid duct or flexible duct for any duct that needs to be replaced or extended to the outside. Dryer vent ducts for clothes dryers must be smooth-surfaced, rigid duct or non-combustible metal, flexible duct. Specify insulation to be installed on all ducts extending through unconditioned areas (excluding dryers). **venting and termination**  
201-6.1c

Check for the presence of a damper and whether the vent connection is tight. **damper and connection**  
201-6.1d

Note the type of switch or control that is present. **control**  
201-6.1e

Inspect fan and switch wiring and connections, and note any hazards. Note whether the wiring is connected properly and working correctly. **power to fans**  
201-6.1f

Test each exhaust fan to see if it is operable and effective. Note inoperative, ineffective, or improperly vented fans. **effectiveness**  
201-6.1g

Consult with the customer to determine the usage pattern and frequency of use for each fan. **fan operation**  
201-6.1h CEE

If no fans are present, determine whether there is a need for a venting system according to the OVERALLS Scale, Building Tightness Limits or IAQ concerns. Consult with the customer about excess moisture and other IAQ problems. **potential need**  
201-6.1i CEE

## MECHANICAL SYSTEMS INSPECTION—Mechanical Ventilation OWPS 201-6

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**proper fan size**  
201-6.1j

Determine the proper fan size PMI in CFM for the area to be ventilated.

**on/off switch**  
201-6.1k

For new installations only, determine whether the fan should be wired into a separate timer control or the light switch.

**proper use**  
201-6.1l

CEE

Determine the proper use of the exhaust fans. If the residence is rated at or below the Building Tightness Limit (BTL), recommend that the resident open a window or other fresh air intake on the opposite end of the room or house whenever they use the exhaust fans. Otherwise, backdrafting of combustion appliances may occur. Consult the draft reading from the worst case scenario draft test.