

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

EXHAUST FANS 601-6.1

Note and record the locations of all exhaust fans, including clothes dryers, and whether they are properly vented to the outside.

number and location
601-6.1a

Record the type and condition of existing venting duct material. Specify the installation of rigid duct or flexible-metal 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, are not to be insulated, is a minimum of 30 gauge galvanized steel or aluminum, and is equipped with a backdraft damper.

vent duct material
601-6.1b

Check for the presence of a damper and whether the vent connection is tight.

damper and connection
601-6.1c

Note whether there is a properly-sized termination fixture and if a working baffle is present.

termination
601-6.1d

Note the type of switch or control that is present.

control
601-6.1e

Inspect fan and switch wiring and connections, and note any hazards. Note whether the wiring is connected properly, and working correctly.

power to fans
601-6.1f

Test each exhaust fan to see if it is operable and effective. Note inoperative, ineffective, or improperly vented fans.

effectiveness
601-6.1g

Consult with the customer to determine the usage pattern and frequency of use for each fan.

fan operation
601-6.1h

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
601-6.1i

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proper fan size
601-6.1j

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

on/off switch
601-6.1k

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

Distribution system leakage test
601-6.1

Ensure that a distribution system leakage test is performed.

proper use
601-6.1m

Determine the proper use of any exhaust fans. If the residence is rated at the Building Tightness Level (BTL) or below, recommend that the customer open a window or other fresh air intake on the opposite end of the room or house, whenever fans are used. Otherwise, backdrafting of combustion appliances may occur. Consult the draft reading of the worst case scenario draft test (see 1506-4).