

 <p style="text-align: center;">State of Ohio Weatherization Program Standards</p>	Section	<b>BUILDING SHELL INSPECTION</b>
	Subject	<b>Attic Floor</b>

### *ELECTRICAL SYSTEM SAFETY 202-3.1*

Note the types of wiring present in the attic. Note all electrical junctions, and whether they are enclosed in covered junction boxes. Determine the overall integrity of wiring and wiring insulation. Note the presence of any bare wire, frayed or deteriorated wiring insulation, or any other electrical condition which must be corrected before installation of insulation.

**wiring**  
202-3.1a



Note all electrical devices which require safety clearance shielding, such as recessed lights without an IC (insulation contact) rating, vent fans, etc.

**electrical clearances**  
202-3.1b



Determine if circuits are properly fused. Explain to the customer the importance of properly fused circuits.

**fuse size**  
202-3.1c



### *HAZARDS 202-3.2*

Document the presence of any animal or insect pests in the attic. Note the presence of any animal or bird feces that may pose a health threat. Determine measures or personal protective equipment necessary to ensure the safety of weatherization workers in the attic.

**health hazards**  
202-3.2a



Note any stored boxes or objects that may obstruct the weatherization work. Consult with the customer about removing obstructions. If the customer is unable or unwilling to remove the obstructions, determine if it is feasible for weatherization workers to remove obstructions, and obtain permission from the customer.

**stored objects**  
202-3.2b



### *ATTIC FLOOR AIR LEAKAGE 202-3.3*

Note the existence of any penetrations through the attic floor, including open-topped interior or exterior walls, utility penetrations or chaseways, or chimney chaseways. Note the existence and location of kneewall floor cavities, ceiling height changes, stairwell cavities, etc.

**thermal bypasses**  
202-3.3a

**intentional penetrations**  
202-3.3b

Note the presence and location of all intentional penetrations such as light fixtures and fan housings.

*VENTS 202-3.4*

**vent function**  
202-3.4a

Determine the condition of vents and if they are functioning as designed.

**vent requirements**  
202-3.4b

Determine the venting requirements (1 ft<sup>2</sup> per 300 ft<sup>2</sup> of attic floor area; 1 ft<sup>2</sup> per 600 ft<sup>2</sup> when high-low ventilation is achievable) and whether high-low venting is possible. Diagram where vents may be installed and list suggested types. Do not call for additional ventilation on slate roofs unless there is solid sheathing present.

*ATTIC FLOOR INSULATION 202-3.5*

**attic floor condition**  
202-3.5a

Determine the condition of the attic floor. Note any rotted, molded, or otherwise damaged joists or ceiling components. Check the integrity of the ceiling surface. Determine if the ceiling can hold the weight of insulation.

**existing insulation**  
202-3.5b

NEAT

Note the type, condition, and amount of any existing insulation. Determine the effective R-value of the existing insulation. Note all voids and areas with incomplete coverage. Determine if a NEAT audit will be performed.

**insulation requirements**  
202-3.5c

Determine the type and amount of insulation needed. List all areas that insulation should not contact for safety reasons, including active chimneys and electrical devices such as recessed lights without an IC rating and ventilation fans. Determine appropriate protective measures for those areas.

**insulation type and amounts**  
202-3.5d

Calculate the amount of insulation needed to insulate uninsulated open joist attics to R-38, including upper attics, and flats behind kneewalls. Calculate the amount of insulation needed to insulate floored attics, kneewalls covered with stretched house wrap, and other restricted spaces to high density pack (3.25 - 3.75 lbs/ft<sup>3</sup> for cellulose, and 1.6 lbs/ft.<sup>3</sup> for fiberglass).