



# ADDENDA

**ANSI/ASHRAE Addendum f to  
ANSI/ASHRAE Standard 62.2-2022**

# Ventilation and Acceptable Indoor Air Quality in Residential Buildings

Approved by the ASHRAE Standards Committee on January 20, 2024 and by the American National Standards Institute on February 21, 2024.

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ASHRAE obtains consensus through participation of its national and international members, associated societies, and public review.

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## FOREWORD

*Addendum f provides flexibility to builders and architects regarding the placement of exhaust and intake terminations for ventilation systems by reducing the minimum separation distance required from a dwelling-unit ventilation system's outdoor air intake and an exhaust termination serving the same dwelling unit. In accordance with the new exception to Section 6.6, the 10 ft (3 m) minimum separation distance may be reduced to 5 ft (1.5 m) under certain conditions. This exception was developed based on the application of research that included wind tunnel modeling of exhausts and intakes on a building façade.*

**Informative Note:** In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

## Addendum f to Standard 62.2-2022

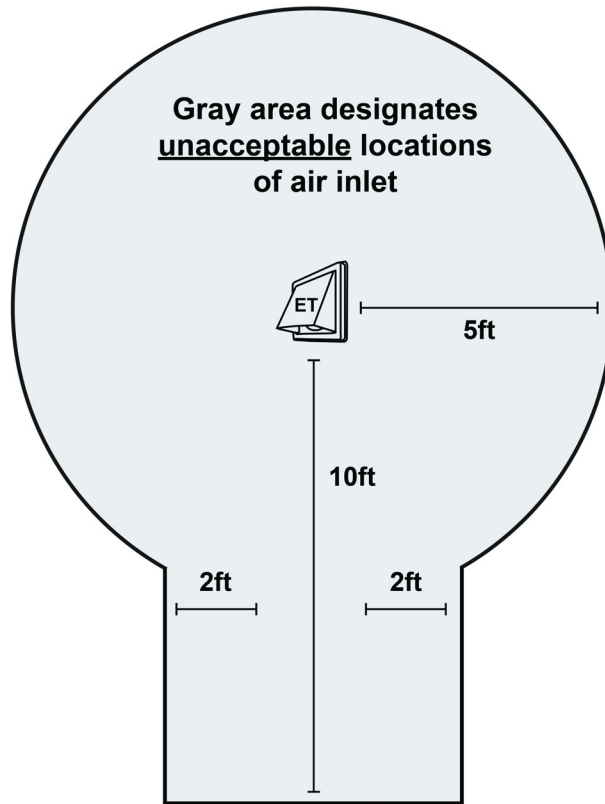
*Revise Section 6.6 as shown. Figures 6-1 and 6-2 are new.*

**6.6 Air Inlets.** Air inlets that are part of the ventilation design shall be located a minimum of 10 ft (3 m) from known sources of contamination such as a stack, vent, exhaust hood, or vehicle exhaust. The intake shall be placed so that entering air is not obstructed by snow, plantings, or other material. Forced air inlets shall be provided with rodent/insect screens (mesh not larger than 0.5 in. [13 mm]).

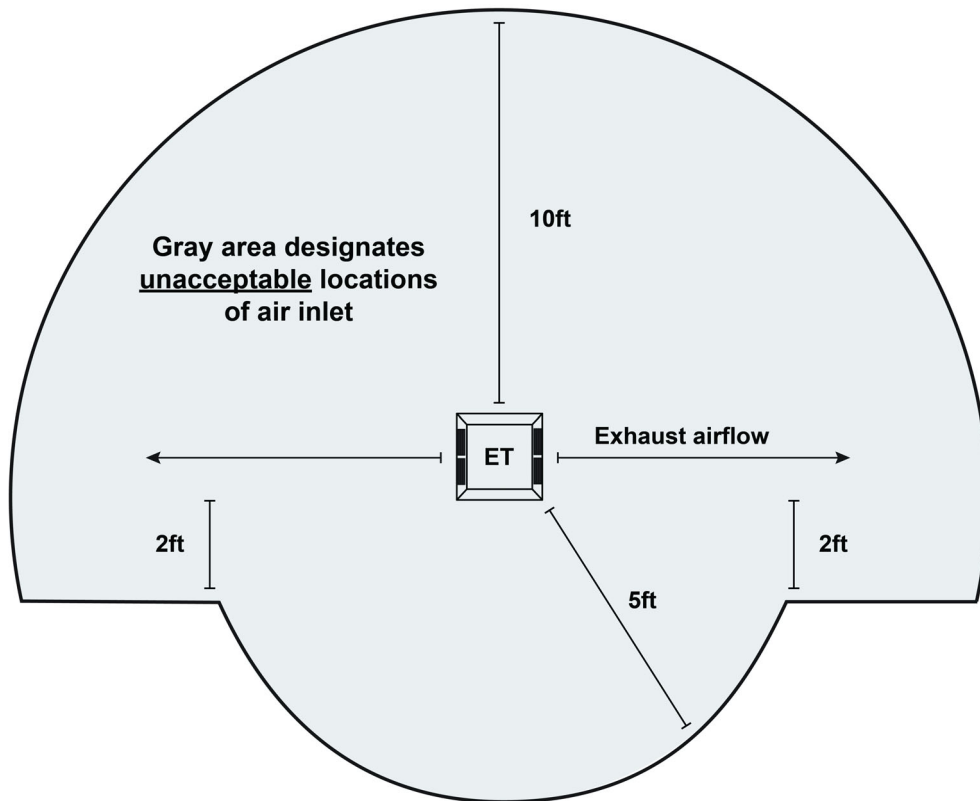
### Exceptions to 6.6:

1. Ventilation openings in the wall may be as close as a stretched-string distance of 3 ft (1 m) from sources of contamination exiting through the roof or dryer exhausts.
2. No minimum separation distance shall be required between windows and local exhaust outlets in kitchens and bathrooms.
3. Vent terminations covered by and meeting the requirements of the *National Fuel Gas Code* (NFPA 54/ANSI Z223.1) or equivalent.
4. Where a combined exhaust/intake termination is used to separate intake air from exhaust air originating in a living space other than kitchens, no minimum separation distance between these two openings is required. For these combined terminations, the exhaust air concentration within the intake airflow shall not exceed 10% as established by the manufacturer.
5. An air inlet in the building wall shall be permitted to be as close as a stretched-string distance of 5 ft (1.5 m) from each exhaust termination serving the same dwelling unit. In such cases, the following conditions shall also be met:
  - a. The air inlet shall be not less than 2 ft (0.6 m) horizontally of any exhaust termination that directs air downward.
  - b. The air inlet shall not be above, and shall be not less than 2 ft (0.6 m) below, any exhaust termination that directs air horizontally in the direction of the air inlet.

This exception shall not be permitted for the minimum separation distance between an air inlet and any vent termination serving a water-heating or space-heating combustion appliance. Figures 6-1 and 6-2 illustrate unacceptable locations of air inlets under this exception.



**Figure 6-1 Unacceptable locations of air inlets relative to an exhaust termination (ET) with downward directed exhaust for Section 6.6, Exception (5)(a).**



**Figure 6-2 Unacceptable locations of air inlets relative to an exhaust termination (ET) with horizontally directed exhaust for Section 6.6, Exception (5)(b).**

## **POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES**

ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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As an industry leader in research, standards writing, publishing, certification, and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

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