ADDENDA

ANSI/ASHRAE Addendum h to
ANSI/ASHRAE Standard 62.2-2016

Ventilation and Acceptable Indoor Air Quality in Residential Buildings

Approved by the ASHRAE Standards Committee on January 20, 2018; by the ASHRAE Board of Directors on January 24, 2018; and by the American National Standards Institute on February 21, 2018.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. The change submittal form, instructions, and deadlines may be obtained in electronic form from the ASHRAE website (www.ashrae.org) or in paper form from the Senior Manager of Standards.

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FOREWORD

Addendum h provides an alternative compliance pathway for compartmentalization. This alternative pathway is available only to existing multifamily dwelling units undergoing retrofits that fall short of a gut rehab. The pathway in this addendum recognizes that it is not possible to access all leaks in existing units and provides a prescriptive pathway with the intent of maximizing practical compartmentalization.

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

Addendum h to Standard 62.2-2016

Add the following new definitions to Section 3. The remainder of Section 3 is unchanged.

3. DEFINITIONS

air-impermeable material: a material having an air permeance equal to or less than 0.004 cfm/ft^2 at 75 Pa (0.02 L/s·m^2 at 75 Pa) pressure differential as tested in accordance with ASTM E2178[XX] or ASTM E283[YY].

dwelling-unit air barrier: a durable, air-impermeable material or combination of such materials that is installed at the dwelling-unit envelope and continuously sealed to resist the passage of air through the dwelling-unit envelope.

sealed: all edges, joints, openings, and penetrations of the dwelling-unit air barrier materials are treated in a permanent manner that will resist the passage of air.

Add a new section to Normative Appendix A, "Existing Buildings," as follows.

A5. DWELLING-UNIT AIR SEALING

Dwelling units that are undergoing alterations where between 15% and 80% of the dwelling-unit envelope wall area is altered shall comply with Section 6.1.1 or with Sections A5.1 through A5.4. Dwelling units where at least 80% of the dwelling-unit envelope wall area is altered shall comply with Section 6.1.1.

A5.1 The spaces around readily accessible penetrations through the dwelling-unit air barrier, including but not limited to the following, shall be sealed:

a. Vent and pipe penetrations, including those from water piping, drain waste and vent piping, HVAC piping, and sprinkler heads
b. Electrical penetrations, including those for receptacles, lighting, communications wiring, and smoke alarms
c. HVAC penetrations, including those for fans and for exhaust, supply, transfer, and return air ducts

A5.2 Readily accessible leaks and gaps in the dwelling-unit air barrier shall be sealed, including but not limited to the intersections of baseboard trim and floor, the intersections of walls and ceilings, around window trim and dwelling-unit doors, and the termination points of internal chases in attics and crawlspaces.

A5.3 Where previously inaccessible locations are made readily accessible during renovation activities, those areas shall be air sealed as prescribed in Sections A5.1 and A5.2.

A5.4 Sealants and materials used for air sealing shall be installed in accordance with manufacturer installation instructions, especially with respect to considerations for temperature, moisture, and gap width.

Add the following new references to Section 9. The remainder of Section 9 is unchanged.

9. REFERENCES

XX. *ANSI/ASTM E2178-13, Standard Test Method for Air Permeance of Building Materials*. ASTM International, West Conshohocken, PA.

YY. *ANSI/ASTM E283-04(2012), Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen*. ASTM International, West Conshohocken, PA.

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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.

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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.

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3/18