



**BSR/ASHRAE/IES Addendum a
to ANSI/ASHRAE/IES Standard 90.2-2018**

Public Review Draft

Proposed Addendum a to Standard 90.2-2018, Energy Efficient Design of Low-Rise Residential Buildings

**First Public Review (November 2020)
(Draft Shows Proposed Changes to Current Standard)**

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

FOREWORD

The purpose of this addendum is primarily to update the normative references to reflect their latest publications or contact address, if necessary. One new normative reference (ASTM E3158) is proposed for inclusion as an alternative test method for Whole Building Air Leakage compliance to give users more options, especially when their building is exceptionally large or has multiple zones. Two NFRC publications are also being added to Section 10 because both standards are mentioned in 90.2 normative text; conversely, a publication previously listed in Section 10 is being deleted since it does not appear in 90.2 normative text. Finally, two text references to Standard 90.1 have been adjusted to the correct numbering per the latest published standard.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum a to 90.2-2018

Modify Sections 7.5.4.6 and D1.5 to reflect numbering changes in Standard 90.1:

7.5.4.6 Lighting in Elevators. All cab lighting systems shall comply with ASHRAE/IES Standard 90.1, Section 10.4.3.1.

D1.5 Insulation materials that are intended to also serve as an *air barrier* shall comply with the air barrier requirements of ASHRAE/IES Standard 90.1, Section ~~5.4.3.1.3~~ 5.4.3.1.2, at the installed thickness and shall be installed in accordance with manufacturer's installation instructions to comply with *air barrier* performance requirements.

Modify C1.1 as follows:

C1.1 Testing shall be performed by a fan pressurization technique in accordance with ASTM E779, ASTM E1827, ASTM E3158, or ANSI/RESNET/ICC 380, Section ~~3~~ 4.

Modify Section 10 as follows:

...
ASTM E779-~~4019~~ Standard Test Method for Determining Air Leakage Rate by Fan Pressurization
ASTM E1827-~~2014~~2017 Standard Test Methods for Determining Air Tightness of Buildings Using an Orifice Blower Door
ASTM E3158-18 Standard Test Method for Measuring the Air Leakage Rate of Large or Multizone Building
...
ANSI/ASHRAE Standard ~~55-2013~~2017 Thermal Environmental Conditions for Human Occupancy

ANSI/ASHRAE/IES Standard 90.1-~~2016~~2019 Energy Standard for Buildings Except Low-Rise Residential Buildings

ANSI/ASHRAE Standard 140-~~2014~~2017 Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs

...

~~The Association of Pool & Spa Professionals (APSP)~~
~~2111 Eisenhower Ave.~~
~~Alexandria, VA 22314~~

~~ANSI/APSP/ICC 14-2014 American National Standard for Portable Electric Spa Energy Efficiency~~

...

~~IECC-2015~~2018 International Energy Conservation Code

...

National Fenestration Rating Council (NFRC)
6305 Ivy Lane, Suite 140, Greenbelt, MD 20770-6323

ANSI/NFRC 100-2017 Procedure for Determining Fenestration Product U-factors

ANSI/NFRC 200-2017 Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence

...

~~RESNET~~
~~Residential Energy Services Network, Inc. (RESNET)~~
~~P.O. Box 4561 4867 Patina Court~~
~~Oceanside, CA 92052-4561~~92057

ANSI/RESNET/ICC 301-~~2014~~2019 including Addenda A-2015 and E-2018

Standard Labeling of the Energy Performance of ~~Low Rise Residential Buildings~~ Dwellings and Sleeping Units using an Energy Rating Index - ~~January 2016 Edition~~ including Addenda A-2015 and E-2018, ANSI/RESNET/ICC 380-2019 Addendum A-2019 and Addendum B-2020

ANSI/RESNET/ICC 380-~~2016~~2019 Standard for Testing Airtightness of Building Dwelling Unit and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems; and Airflow of Mechanical Ventilation Systems, ~~including Addendum A-2018~~