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)

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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 5.4.3.1.2, 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 E779-14 Standard Test Method for Determining Air Leakage Rate by Fan Pressurization
ASTM E3158-18 Standard Test Method for Measuring the Air Leakage Rate of Large or Multizone Building
…
ANSI/ASHRAE Standard 55-2014 Thermal Environmental Conditions for Human Occupancy


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


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


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


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