

ADDENDA

**ANSI/ASHRAE/IBPSA Addendum b to
ANSI/ASHRAE Standard 209-2018**

Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings

Approved by ASHRAE and the American National Standards Institute on August 30, 2024, and by the International Building Performance Simulation Association on August 28, 2024.

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International
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Performance
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Association



ASHRAE Standing Standard Project Committee 209

Cognizant TC: 4.7, Energy Calculations

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FOREWORD

Addendum b updates the title, purpose, and scope of Standard 209. The title was simplified, removing the low-rise residential building exception. It now more closely aligns with ANSI/ASHRAE/IES Standard 202, The Commissioning Process Requirements for New Buildings and New Systems, and ANSI/ASHRAE Standard 230, Commissioning Process for Existing Buildings and Systems. We reviewed the use of the terms “energy modeling” and “energy simulation” in standards, manuals, and guides. Both terms are used, but we felt that “energy modeling” was more commonly used and understood in the industry, as such it is now used in the standard’s scope. “Performance” has replaced “energy” in the title to reflect the many possible metrics that a design team may consider. In addition, the change reflects the aspirations of the standard committee to define the process for more building simulations.

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

Addendum b to Standard 209-2018

Update the title as shown.

Energy Building Performance Simulation Process Aided Design for Buildings Except Low-Rise Residential Buildings

Update the purpose and scope as shown.

1. PURPOSE

To establish ~~Define~~ minimum requirements for the process of using providing energy design assistance using building energy simulation to evaluate building performance and inform decision making and analysis.

2. SCOPE

This standard applies to the use of building performance simulation, including energy modeling, during the design, construction, and operation of new buildings or major renovations of, or additions to, existing buildings ~~using energy simulation during the design process. This standard does not apply to single-family houses, multifamily structures of three stories or fewer above grade, manufactured houses (mobile homes), or modular homes.~~

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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.

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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