



ADDENDA

**ANSI/ASHRAE Addendum a 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 January 31, 2023.

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Cognizant TC: 4.7, Energy Calculations

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FOREWORD

Addendum a updates Section 5.2 and renames it “Modeler Qualifications,” and also adds two supporting definitions to Section 3.2. The section effectively restricted who could apply Standard 209 to those with either an ASHRAE BEMP or AEE BESA certification. Currently, only 510 modelers are BEMP certified, and the BESA certification is no longer accepting new applications. This severely limits the application of Standard 209 and excludes many people with extensive modeling experience. The new language recognizes that many design professionals have experience in modeling and quantifies the number of projects and years of experience that are required to use Standard 209. It is a shift from a test-based requirement to one focused more on practical experience. This section was debated extensively when Standard 189.1 added a reference to Standard 209 and specifically chose to exclude this section. The values used for the number of years and number of projects were debated and represent a compromise between those that wanted the requirement more restrictive or less restrictive, but the two years of energy modeling experience by a design professional is consistent with the eligibility requirements for the BEMP certification. By also applying to the individual supervising the modeler, it allows less-experienced modelers to follow the standard. It also makes clear that the authority having jurisdiction can override these qualifications with their own. Finally, it removes a perceived conflict of interest for an ASHRAE standard to effectively require the use of an ASHRAE certification. Overall, this change is expected to increase the adoption of Standard 209.

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 a to Standard 209-2018

Modify Section 3.2 as shown.

design professional: an architect or engineer licensed to practice in accordance with applicable state licensing laws.

energy modeling project: the development and use of an *energy model* to evaluate a building’s performance or to aid in making decisions in the design or operation of a building.

Modify Section 5.2 as shown.

5.2 Modeler ~~Credentials~~ Qualifications. The *energy modeler* or the individual supervising the work of the *energy modeler* shall ~~be~~ have completed a minimum of five *energy modeling projects*, and at least one of the following:

- a. ~~Be~~ a certified Building Energy Modeling Professional (BEMP)
- b. ~~Be~~ a certified Building Energy Simulation Analyst (BESA) who also fulfills the BEMP eligibility requirements
- c. ~~Be a *design professional* and a minimum of two years of building energy modeling experience~~
- d. Have a minimum of three years of building energy modeling experience
- e. ~~an equivalent individual meeting qualifications established by the authority having jurisdiction (AHJ).~~

Exception to 5.2: The modeler qualifications are established by the *authority having jurisdiction (AHJ)*.

Informative Note: ASHRAE and AEE are two organizations that can certify a modeler for BEMP or BESA, respectively.

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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