

# ANSI/ASHRAE/ICC/USGBC/IES Addendum d to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2023

# Standard for the Design of High-Performance Green Buildings

## Except Low-Rise Residential Buildings

*The Complete Technical Content of the International Green Construction Code®*

Approved by ASHRAE and the American National Standards Institute on June 28, 2024; by the International Code Council on June 6, 2024; by the Illuminating Engineering Society on May 28, 2024; by the U.S. Green Building Council on May 24, 2024.

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. Instructions for how to submit a change can be found on the ASHRAE® website ([www.ashrae.org/continuous-maintenance](http://www.ashrae.org/continuous-maintenance)).

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ASHRAE obtains consensus through participation of its national and international members, associated societies, and public review.

ASHRAE Standards are prepared by a Project Committee appointed specifically for the purpose of writing the Standard. The Project Committee Chair and Vice-Chair must be members of ASHRAE; while other committee members may or may not be ASHRAE members, all must be technically qualified in the subject area of the Standard. Every effort is made to balance the concerned interests on all Project Committees.

The Senior Manager of Standards of ASHRAE should be contacted for

- interpretation of the contents of this Standard,
- participation in the next review of the Standard,
- offering constructive criticism for improving the Standard, or
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**FOREWORD**

*Integrated design is an essential concept that must be understood and employed in order to create high-performance green buildings, especially those needed to meet zero energy and zero carbon goals. Addendum d adds a requirement for the development of an integrated design process plan to outline how the building project will be designed and constructed in a way to enhance collaboration and an integrated design process. The plan is only required to be an outline for an approach at this early stage of project development and is intentionally kept at a high level with the primary objective of having the project team think through how integration will be addressed throughout the design process. The plan is to be developed and provided to the project owner. Many design teams currently use an integrated design approach for their projects. This requirement will help document the expectations for the owner and will help teams without such a process create one to more effectively meet the requirements of the standard.*

**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 d to Standard 189.1-2023**

*Modify Table 4.2 as follows.*

**Table 4.2 Requirements Determined by the Jurisdiction** (Normative in the IgCC)

Section	Section Title, Description and Directives	Jurisdictional Requirement
4.3	<u>Integrated Design Process Plan, building project size [see in-text]</u>	<input type="checkbox"/> <u>&gt;25,000 ft<sup>2</sup></u> <u>(2500 m<sup>2</sup>)</u> <input type="checkbox"/> <u>≥50,000 ft<sup>2</sup></u> <u>(5000m<sup>2</sup>)</u>

*Add new Section 4.3 and renumber subsequent sections.*

**4.3 Integrated Design Process Plan.** Prior to the schematic design phase of a *building project* of greater than 10,000 ft<sup>2</sup> (1000 m<sup>2</sup>) [JO] a plan outlining a collaborative process for the design and construction of the *building project* shall be developed and provided to the project owner and be available to the *AHJ*. The plan shall be consistent with the project delivery method chosen for the project, identify the stakeholders to be included in the *integrated design process*, and outline the process for the design and construction of the *building project* as an integrated system that meets the requirements of this standard.

**Informative Note:** Additional information on an *integrated design process* can be found in Informative Appendix F. ANSI/ASHRAE/IES Standard 202 also addresses the development of project requirements through an *integrated design process*.

**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.

### **Standard 189.1 and the International Green Construction Code**

Standard 189.1 serves as the complete technical content of the International Green Construction Code® (IgCC). The IgCC creates a regulatory framework for new and existing buildings, establishing minimum green requirements for buildings and complementing voluntary rating systems. For more information, visit [www.iccsafe.org](http://www.iccsafe.org).

### **About ASHRAE**

Founded in 1894, ASHRAE is a global professional society committed to serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration, and their allied fields.

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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