

**ANSI/ASHRAE/ICC/USGBC/IES Addendum i 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 November 29, 2024; by the International Code Council on November 13, 2024; by the Illuminating Engineering Society on November 5, 2024; and by the U.S. Green Building Council on November 18, 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).

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ISSN 1041-2336



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Cognizant TC: 2.8 Building Environmental Impacts and Sustainability

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

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FOREWORD

Addendum i simplifies Section 5.3.7.3.1 and 5.3.7.3.2 headings to be “nonresidential” and “residential.” A new definition is added for Level 2 and Level 3 EVSE to help clarify the intent of the requirements.

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

Addendum i to Standard 189.1-2023

Revise and add definitions to Section 3 as shown.

electric vehicle supply equipment installed space (EVSE space): a vehicle parking space that is provided with a dedicated Level 2 or Level 3 EVSE connection.

[. . .]

EV ready space: a designated parking space provided with a ~~50 A, 208/240V~~ dedicated branch circuit for ~~Level 2~~ Level 2 or Level 3 EVSE. The circuit includes an overcurrent protective device and terminates in a junction box or receptacle outlet located in close proximity to the proposed location of the EV parking spaces.

[. . .]

Level 2 EVSE: EV charger capable of providing a 208/240 V or greater output voltage and 40 amp (or greater) output current.

Level 3 EVSE: DC fast charger capable of providing a 400 V or greater output voltage and 80 amp (or greater) output current.

Modify Section 5.3.7.3.1 and 5.3.7.3.2 as shown. These sections were previously modified by published Addendum c, which can be download at www.ashrae.org/addenda.

5.3.7.3 Electric Vehicle Charging ~~Facilities~~ Infrastructure

5.3.7.3.1 ~~5.3.7.3.1 IBC Occupancy Group A, B, E, F, I, M, and S Buildings~~ Nonresidential Occupancies. Where four or more on-site vehicle parking spaces are provided for International Building Code (IBC) Occupancy Group A, B, E, F, I, M, and S buildings, not less than 4% of the total number of parking spaces or not less than 8% of designated employee only parking spaces shall be *EV ready spaces* or *EVSE spaces*. Not less than 30% of the total number of parking spaces shall be *EV capable spaces*, *EV ready spaces*, or *EVSE spaces*.

Exception to 5.3.7.3.1: Parking spaces designated by signage for curbside pick-up, drop-off, or any designated duration of not more than 30 minutes shall be excluded from the total number of on-site parking spaces.

5.3.7.3.2 ~~IBC Occupancy Group R-1, R-2, and R-4 Building~~ Residential Occupancies. Where four or more on-site vehicle parking spaces are provided for IBC Occupancy Group R-1, R-2, and R-4 buildings, not less than 20% of the total number of parking spaces shall be *EV ready spaces* or *EVSE spaces*. Not less than 75% of the total number of parking spaces shall be *EV capable spaces*, *EV ready spaces*, or *EVSE spaces*.

Exception to 5.3.7.3.2: Parking spaces designated by signage for curbside pick-up, drop-off, or any designated duration of not more than 30 minutes shall be excluded from the total number of on-site parking spaces.

**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.

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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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