

ANSI/ASHRAE/ICC/USGBC/IES Addendum bs to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017

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 August 18, 2020; by the International Code Council on July 24, 2020; and by the U.S. Green Building Council and Illuminating Engineering Society on July 23, 2020.

These addenda were 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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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.

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FOREWORD

Addendum bs modifies the current standard and its published addenda by reformatting defined terms to be italicized in cases where this convention had not been applied. In some cases, changes are made to align current text with defined terms if that was the original intent. Additional changes necessitated by the approval of pending (but not yet approved) addenda are listed in a separate table.

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

Addendum bs to Standard 189.1-2017

Make the following corrections to italics based on defined terms in Standard 189.1-2017.

Addendum	Section	Existing	Proposed
3.2, <i>permeable pavers</i>	<i>spaces</i>	spaces	Defined term “space” is intended for enclosed space within a building.
3.3	<i>ET_o</i> maximum evapotranspiration	<i>ET_o</i> reference evapotranspiration	To better match the definition of <i>ET_o</i> in 3.2
3.3	<i>L_{eq}</i> hourly average sound pressure level	<i>L_{eq}</i> hourly average sound pressure level	Defined term was not italicized.
3.3	<i>NPLV</i> nonstandard part-load value	<i>NPLV</i> nonstandard part-load value	Defined term was not italicized.
3.3	<i>water factor (WF):</i> a. <i>clothes washer (residential and commercial) [. . .]</i> b. <i>residential dishwasher [. . .]</i>	<i>water factor (WF):</i> a. clothes washer (residential and commercial) [. . .] b. residential dishwasher [. . .]	Only water factor (WF) is defined; the equipment type is not.
5.3.3.2(b)(1)	Open <i>space</i>	Open space	Defined term “space” is intended for enclosed space within a building.
5.3.5.2	Retaining <i>wall</i>	Retaining wall	Defined term “wall” is intended for walls that are part of the building envelope.
5.3.7.2.1; 5.3.7.2.1 (Exception 2); 5.3.7.2.2; 5.3.7.2.3; 5.3.7.2.4; 5.3.7.2.5	Bicycle parking <i>spaces</i>	Bicycle parking spaces	Defined term “spaces” is not intended to be used in the context of bicycle parking.
5.3.7.3(a); 5.3.7.3(b)(2)	Parking <i>spaces</i>	Parking spaces	Defined term “spaces” is not intended to be used in the context of vehicle parking.
6.3.1.2; Exception to 6.3.1.2; 6.3.3(a); Exception to 6.3.3(a); 6.3.5.3; 6.3.8.1(Exception 2)	Reclaimed water	<i>Reclaimed water</i>	Defined term was not italicized.
6.3.1.2.2	WaterSense Specification for Weather-Based Irrigation Controllers	<i>WaterSense Specification for Weather-Based Irrigation Controllers</i>	Italicized title of publication.

Addendum	Section	Existing	Proposed
6.3.1.2.3	potable or off-site treated <i>reclaimed water</i>	<i>potable water</i> or off-site treated <i>reclaimed water</i>	To match the defined term precisely with its use in the standard, the word “water” is added and italicized.
6.3.2.2(a)	<i>Clothes washers</i> and <i>dishwashers</i>	Clothes washers and dishwashers	Not defined terms
6.3.2.2(a)(1)	<i>Clothes washers</i>	Clothes washers	Not a defined term
Exception to 7.4.2.7; 8.3.3.2.3.3	Fenestrations	<i>Fenestrations</i>	Defined term was not italicized.
Table 7.4.6.1B	<i>seating</i>	seating	Defined term is associated with office furniture.
7.4.7.3.2(a)(3)	<i>Residential Dishwashers</i>	Residential Dishwashers	Not a defined term
Table 8.3.3.2	Residential	<i>Residential</i>	Defined term was not italicized.
Table 8.3.3.3	Dwelling unit	<i>Dwelling unit</i>	Defined term was not italicized.
8.3.4.1.1	Soil-gas retarder systems	<i>Soil-gas retarder systems</i>	Defined term was not italicized.
8.4.1.2(c); 8.4.2.6; 8.4.2.6.1; 8.5.2(c)	<i>Walls, wall panels and coverings, wall coverings, and wall and ceiling paneling and planking, ceiling and wall assemblies, wall paneling</i>	Walls, reflective wall coatings, wall panels and coverings, wall coverings, and wall and ceiling paneling and planking, ceiling and wall assemblies, wall paneling	Defined term “wall” is intended for walls that are part of the building envelope.
8.5.2(c)	Particleboard	<i>Particleboard</i>	Defined term was not italicized.
9.5.1.2(d)	LCA	<i>LCA</i>	Defined term was not italicized.
10.3.1.1.1.1(a)	Commissioning (<i>Cx</i>) providers	<i>Commissioning (Cx) providers</i>	Part of defined term was not italicized.
10.3.1.2.1(c)	<i>Automatic shut-off controls</i>	<i>Automatic shut-off controls</i>	Part of defined term was not italicized.
10.3.1.2.1(c)	Lighting power allowance	<i>Lighting power allowance</i>	Defined term was not italicized.
10.3.1.2.1(c)	Institutional tuning	<i>Institutional tuning</i>	Defined term was not italicized.

Make the following corrections to italics based on defined terms in the published addenda to Standard 189.1-2017.

Addendum	Section	Existing	Proposed	Reasoning
i	3.3	<i>LSI</i> Langelier Saturation Index	<i>LSI Langelier Saturation Index</i>	Defined term was not italicized.
j	7.3.2(a)	roof	<i>roof</i>	Defined term was not italicized.
j	7.4.1.1	building project	<i>building project</i>	Defined term was not italicized.
j	Table 7.4.1.2	Community Renewable Energy System	<i>community renewable energy facility</i>	Modify to match the defined term.
l	7.3.5(a)	permanently installed	<i>permanently installed</i>	Defined term was not italicized.
l	7.3.5 (Exception 2)	spaces	<i>spaces</i>	Defined term was not italicized.
l	7.3.5 (Exception 3)	Dwelling units	<i>Dwelling units</i>	Defined term was not italicized.
l	7.3.5 (Exception 4)	Residential	<i>Residential</i>	Defined term was not italicized.
y	7.4.2.2; Table C1.1(5)	wall	<i>wall</i>	Defined term was not italicized.
ai	7.4.4.2 (Exception 2)	dwelling units	<i>dwelling units</i>	Defined term was not italicized.
an	7.4.6.6	<i>conditioned floor area</i>	conditioned floor area	Not a defined term without inclusion of "gross"
ar (to 2014)	7.5.3	PDSE _i = proposed design site energy use	PDSE _i = <i>proposed design site energy use</i>	Defined terms were not italicized.
ar (to 2014)	7.5.3	BBSE _i = baseline building site energy use	BBSE _i = <i>baseline building site energy use</i>	Defined term was not italicized.
bm (to 2014)	Table C1.2(4)	CHP	<i>CHP</i>	Defined term was not italicized.
bm (to 2014)	Table C1.2(6)	carbon dioxide equivalent emission factors	<i>Carbon dioxide equivalent emission factors</i>	Defined term was not italicized.

The following pending addenda included incorrect italicizations or made modifications to the defined terms in Section 3.2 that required italicizations. If these addenda are approved for publication, the following corrections to italicized terms will also be made.

Addendum	Section	Existing	Proposed	Reasoning
aa	Table 7.5.3B (informative note)	carbon dioxide equivalent emissions	<i>carbon dioxide equivalent emissions</i>	Defined term was not italicized.
ah	7.4.6.2	permanently installed	<i>permanently installed</i>	Defined term was not italicized
ar	6.3.1.2.2; 6.3.5.4; 6.3.6; 6.3.7	labeled	<i>labeled</i>	Will become a defined term
ar	6.3.5.4; 6.3.6; 6.3.7	listed	<i>listed</i>	Will become a defined term
ar	8.3.4.2	approved	<i>approved</i>	Will become a defined term
at (be)	7.4.6.1.1(d); 7.4.6.1.1(d)(1)	general lighting	<i>general lighting</i>	Will be a defined term with the passage of either Addendum at or Addendum be

**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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