

ANSI/ASHRAE/ICC/USGBC/IES Addendum ab 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 the ASHRAE Standards Committee on July 31, 2020; by the ASHRAE Board of Directors on August 10, 2020; by the International Code Council on July 24, 2020; by the U.S. Green Building Council and Illuminating Engineering Society on July 23, 2020; and by the American National Standards Institute on September 1, 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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- c. offering constructive criticism for improving the Standard, or
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FOREWORD

Addendum ab adds a requirement to Section 8, “Indoor Environmental Quality,” that a view to the outdoors or an indoor atrium must be provided from at least 50% of the floor area in three specific space types: offices, classrooms, and patient rooms in health care facilities.

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 ab to Standard 189.1-2017

Modify Table 4.2 as shown. (Note: Table 4.2 was previously added to the stanadrd by Addendum p and further modified by Addenda bp, o, q, r, s, t, and bg.)

Table 4.2 Requirements Determined by the Jurisdiction

Section	Section Title or Description and Directives	Jurisdictional Requirement
5.3.5.2	Mitigation of Heat Island Effect, Walls	<input type="checkbox"/> No
5.3.6	Reduction of Light Pollution	<input type="checkbox"/> No
5.3.7.2.2	Bicycle Parking, Location	<input type="checkbox"/> No
5.3.7.2.3	Bicycle Parking, Horizontal Parking Racks	<input type="checkbox"/> No
5.3.7.2.5	Bicycle Parking, Security and Visibility	<input type="checkbox"/> No
5.3.8.1	Building Site Waste Management—Diversion Percentage	<input type="checkbox"/> 75% <input type="checkbox"/> 50%
6.3.1.2.1(a)(3)	Irrigation System Design, Master Valve	<input type="checkbox"/> No
6.3.1.2.1(a)(4)	Irrigation System Design, Flow Sensors	<input type="checkbox"/> No
6.3.3	Special Water Features	<input type="checkbox"/> No
6.3.4.2	Consumption Data Collection	<input type="checkbox"/> No
6.3.4.3	Data Storage and Retrieval	<input type="checkbox"/> No
6.3.8	Dual Water Supply Plumbing	<input type="checkbox"/> No
7.4.2.1	Building Envelope Requirements	<input type="checkbox"/> No
7.4.2.2	Single-Rafter Roof Insulation	<input type="checkbox"/> No
7.4.2.3	High Speed Doors	<input type="checkbox"/> No
7.4.2.6	Permanent Projections	<input type="checkbox"/> No
7.4.2.9	Orientation	<input type="checkbox"/> No
7.4.3.2	Ventilation Controls for Densely Occupied Spaces	<input type="checkbox"/> No
7.4.3.4	Economizers	<input type="checkbox"/> No
7.4.3.5	Zone Controls	<input type="checkbox"/> No
7.4.3.7	Exhaust Air Energy Recovery	<input type="checkbox"/> No
7.4.3.8	Kitchen Exhaust Systems	<input type="checkbox"/> No
7.4.4.2	Insulation for Spa Pools	<input type="checkbox"/> No
7.4.6.2	Occupancy Sensor Controls with Multilevel Switching or Dimming	<input type="checkbox"/> No

Table 4.2 Requirements Determined by the Jurisdiction

Section	Section Title or Description and Directives	Jurisdictional Requirement
7.4.6.3	Automatic Controls for Egress and Security Lighting	<input type="checkbox"/> No
7.4.7.2	Supermarket Heat Recovery	<input type="checkbox"/> No
7.4.7.4	Programmable Thermostats	<input type="checkbox"/> No
7.4.7.5	Refrigerated Display Cases	<input type="checkbox"/> No
8.3.1.3(b)	<i>Outdoor Air Ozone Removal</i>	<input type="checkbox"/> No
8.3.1.4.2	Exfiltration	<input type="checkbox"/> No
8.3.3.4	Interior Sound Reverberation	<input type="checkbox"/> No
8.3.9	Exterior Views	<input checked="" type="checkbox"/> No
8.4.1.3	Shading for Offices	<input type="checkbox"/> No
9.3.1.2	Total Waste	<input type="checkbox"/> No
10.3.1.5.b	IAQ Construction Management b. (flush-out)	<input type="checkbox"/> No
10.3.1.8	Construction Activity Pollution Prevention: Protection of Occupied Areas	<input type="checkbox"/> No
10.3.2.3	Service Life Plan	<input type="checkbox"/> No
10.3.2.4.2	Transportation Management Plan: Owner Occupied Building Projects or Portions of Building Projects	<input type="checkbox"/> No
10.3.2.4.3	Transportation Management Plan: Building Tenant	<input type="checkbox"/> No

Add new Section 8.3.9 and Table 8.3.9 as shown.

8.3.9 [JO] Exterior Views. Not less than 50% of the total floor area of the *spaces* listed in Table 8.3.9 shall have a direct line-of-sight, originating at a height of not more than 42 in. (1.1 m) above the floor, to *view fenestration*. The line of sight distance to *view fenestration* shall not exceed 40 ft. The glazing area shall not be less than 7% of the floor area required to have exterior views.

Table 8.3.9 Exterior View Spaces

<u>Classrooms</u>
<u>Enclosed offices and open plan offices</u>
<u>Patient rooms within health care, nursing home, and assisted living facilities</u>

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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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