

Public Review Draft

Proposed Addendum o to Standard 189.1-2023

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

Second Public Review (July 2025)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)

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ASHRAE, 180 Technology Pkwy NW, Peachtree Corners, GA 30092



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Foreword

In response to feedback from commenters, this independent substantive change increases the applicable height where bird-friendly glazing is required from 75 ft to 100 ft above grade. It also clarifies the wording related to glazing adjacent to roof areas with vegetation or water features, and clarifies the wording related to visual markers to include opaque, translucent (e.g. etched), and ultraviolet reflective markers.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum o 2nd ISC to 189.1-2023

Modify Section 5.3.7 as follows:

5.3.7 [JO] Bird-friendly Design.

5.3.7.1 Bird-Friendly Glazing Required Locations. Bird-friendly glazing shall be installed in new buildings and additions, and where 25% or more of the *vertical fenestration area* is being replaced during existing building alterations. Bird-friendly glazing compliant with Section 5.3.7.2 shall be installed in the following locations:

- a. Not less than 90% of the area of *vertical fenestration*, glass spandrel, and *skylights* below ~~75-100~~ feet (~~23 30~~ m) above grade.
- b. For existing buildings, not less than 90% of the area of *vertical fenestration* being replaced below ~~75-100~~ feet (~~23 30~~ m) above grade.
- c. Not less than 90% of the area of *vertical fenestration*, glass spandrel, and *skylights* adjacent to and within the first three stories ~~or fewer~~ above roof areas with vegetation or water features.
- d. Where glazed, all glazed corners, fly-through conditions, glazing adjacent to courtyards, skywalks, building connectors, railings, noise barriers, and wind barriers below ~~75-100~~ feet (~~23 30~~ m) above grade.

Exceptions to 5.3.7.1:

1. Buildings listed on the National Register of Historic Places.
2. Places of religious worship.

5.3.7.2 Bird-Friendly Glazing Characteristics

Where required by Section 5.3.7.1, qualifying bird-friendly glazing shall comply with not less than one of the following:

- a. The first or second surface of the glazing shall have ~~solid-fill~~ opaque, translucent, or ultraviolet reflective visual markers not smaller than 1/8" (3 mm), not more than 2" (50 mm) between linear continuous visual markers, and a density pattern such that a circle with diameter no more than 2.7" (69 mm) will fit between discrete point visual markers.
- b. Clauses 3.3.1 through 3.3.3 of CSA A460.
- c. Glazing shall be covered by permanently-attached exterior building-integrated structures that do not have gaps larger than 2" (50 mm) in any dimension, including metal screens and fixed solar shading.
- d. Glazing shall have a bird-friendly configuration including markers and surface orientation approved by the *AHJ*.