

# Public Review Draft

Proposed Addendum ag to Standard 189.1-2023

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

First Public Review (March, 2026)  
(Draft Shows Proposed Changes to Current Standard)

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## Foreword

This Addendum results from review of updated reference standards. As part of that process some section numbers are changed and the applicability of the provisions of ASHRAE Standard 62.2 to the requirements in Section 8.3.3 are clarified. Additional clarifications are made in other sections as shown. This addendum does not substantially change the requirements of these sections.

This DA reflects changes approved in Addendum a.

*[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (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 ag to 189.1-2023

*Modify Section 8.3.3 as follows:*

### 8.3.3 Filtration and Air Cleaner Requirements

- a. Particulate matter: ~~The following requirements shall apply in all buildings.~~
  1. Wetted surfaces: Particulate matter filters or air cleaners having a minimum efficiency reporting value (MERV) of not less than 8 where rated in accordance with ANSI/ASHRAE Standard 52.2, or not less than Coarse 90% where rated in accordance with ISO 16890, shall be provided upstream of all cooling coils or other devices with wetted surfaces through which air is supplied to an *occupiable space*. These requirements supersede the requirements in ASHRAE Standard 62.1, Section 5.5.

**Exception to (a).1:** Systems serving only dwelling units.

2. Particulate matter removal: Where particulate matter filters or air cleaners are required to ~~shall~~ be provided in accordance with ASHRAE Standard 62.1, Sections 6.1.4.1 and 6.1.4.2, or ASHRAE Standard 62.2, Section 6.7 with the following modification, ~~such~~ Such filters or air cleaners shall have a MERV-A rating of not less than 13-A as rated in accordance with ASHRAE Standard 52.2, including Informative Appendix J, or not less than ePM1-50% as rated in accordance with ISO 16890.

**Exception to (a):** In health care facilities, the particulate filter requirements of ASHRAE/ASHE Standard 170 shall apply.

- b. Outdoor air ozone removal: [no changes]
- c. Sealing: [no changes]
- d. Ozone emissions: The requirements in this section supersede the requirements in ASHRAE Standard 62.1, Sections 5.9.1 and 5.9.2 and ASHRAE Standard 62.2, Section 7.7. Air cleaning devices with electronic filter elements that rely on ionization or corona discharge shall be *listed* and *labeled* in accordance with UL 2998. Ultraviolet-generating devices in supply air devices, ducts, and plenums shall not emit 185 nm wavelengths.

*Modify Section 8.3.4 as follows:*

**8.3.4 Building Pressure.** The requirements in Section 8.3.4 supersede the requirements in ASHRAE Standard 62.1, Section ~~5.4~~5.18. *Building projects* shall be designed in accordance with the following subsections.

*Modify Section 8.8 as follows:*

**8.8 Soil-Gas Control.** *Building projects* shall be designed to control soil-gas entry in accordance with Sections 8.8.1 or 8.8.2.

**Exceptions to 8.8:**

1. Buildings or portions thereof that are not routinely occupied, such as warehouses ~~and open parking garages~~.
2. ~~Ventilated~~ Parking garages that comply with ANSI/ASHRAE Standard 62.1, Sections ~~5.4~~5.2 and 6.5.
3. Structures which have openings to the outdoors on two or more sides of the structure and the area of the openings is not less than 20 percent of the total perimeter wall area of each floor.

*Modify Table 10.10.7 as follows:*

**Table 10.10.7 Air Monitoring Following Commencement of Occupancy**

Constituent	Method
Temperature	As permitted by ASHRAE Standard 111
Humidity	As permitted by ASHRAE Standard 111
PM10 (coarse particulate matter)	An optical instrument with accuracy in particles/cc certified by the manufacturer at concentrations of 0 to 40,000 particles/cc. Measurements in the return airstream shall be taken at a location with velocity of 0.4 m/s or less.
PM2.5 (fine particulate matter)	See PM 10.
Total volatile organic chemicals (TVOC)	A photoionization detector (PID) accurate ±200 ppbv based on isobutylene and a limit of detection of 5 ppb or less.
CO <sub>2</sub> (carbon dioxide)	A sensor compliant with ASHRAE Standard 62.1, Section 6.2.6.1.3.4.