

Public Review Draft

Proposed Addendum ax to Standard 189.1-2017

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

Second Public Review Draft (June 2020)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)

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Foreword

The first public review of this addendum added a reference to Standard 62.1 Section 7, Construction and System Start-up, which includes several requirements that support good indoor air quality. It also deleted some requirements from Section 10 of Standard 189.1 that are covered by the referenced section of Standard 62.1 to avoid duplication and confusion. This second public review ISC reinstates a requirement for an IAQ Construction Management Plan with a list of topics to be addressed.

[Note to Reviewers: This addendum makes proposed independent substantive changes to the previous public review draft. 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 previous public review draft 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 ax to 189.1-2017

Modify Section 10 as follows:

10.3.1 Construction

...

10.3.1.5 IAQ Construction Management and System Startup. Ventilation systems shall be constructed and started in compliance with Section 7 of ANSI/ASHRAE Standard 62.1. An IAQ construction management plan shall be developed and implemented that includes the following:

- a. Requirements of Section 7 of ANSI/ASHRAE Standard 62.1.
- b. Use of construction filters in all operating HVAC systems, including installation, inspection and replacement.
- c. Sealing of HVAC system supply and return air openings when systems are not in use and during activities that produce high dust.
- d. Managing migration of airborne contaminants associated with construction within the building by boundary sealing, pressure differentials or other methods.
- e. Managing building pressures to control entry of outdoor humidity after the building enclosure is complete.
- f. Prohibition inside the building and within 25 ft (8 m) of the building entrance of smoking of any kind, and of electronic smoking devices.
- g. Scheduling of construction and interior build-out such that absorptive materials (including carpet, textiles and porous ceiling tiles) are protected or installed later than materials that emit volatile compounds (including adhesives, mastics and coatings).
- h. Exhaust systems to remove product emissions from construction and staging areas.
- i. Sealing of ducts, air terminals and air stream surfaces to protect them from moisture, particulates and other contaminants.
- j. Regular cleaning during construction to remove contaminants and accumulated moisture.
- k. Performance and reporting responsibilities of subcontractors and suppliers.

BSR/ASHRAE/ICC/USGBC/IES Addendum ax to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* Second Public Review Draft - Independent Substantive Changes.

1. Verification and recordkeeping of the above activities.

Informative Note: ANSI/SMACNA 008-2008, *IAQ Guidelines for Occupied Buildings under Construction*, is a resource for developing an IAQ management plan.