

Public Review Draft

Proposed Addendum to Standard 189.1-2020

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

Second Public Review (May 2023)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)

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Foreword

This draft modifies Section 10. Construction and Plans for Operation.

This draft modifies 10.4.2, IAQ Construction Management and System Startup.

- Section 10.4.2 (d) strikes the requirement to cover permanent HVAC vents during activities that produce dust since these activities could prove harmful and unproductive to workers in an unconditioned environment.
- Section 10.4.2(e), is modified to allow operation of permanent HVAC systems during construction provided that they are protected from dirt, dust, and debris, and that all filters and controls are in place and operational.
- Section 10.4.2(f) is modified editorially, with no change in the requirement.

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[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. Changes highlighted in yellow are to show case the potential changes as suggested by an unresolved objector. 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 **ao** (2nd PPR ISC) to 189.1-2020

Modify Section 10.4.2 as follows:

10.4 Construction Operations and Start-Up Requirements

10.4.2 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. The plan shall include procedures and schedules to accomplish the following:

- a. Compliance with Sections 7.1.2, 7.1.3 and 7.1.4 of ANSI/ASHRAE Standard 62.1.
- b. Prevention of the use of adhesives, paint and other volatiles and operations that create dust, including sanding and sawing, after 48 hours prior to occupancy.
- c. Covering air conveyance materials prior to installation.
- d. Sealing of HVAC system supply and return air openings when systems are not in use ~~and during activities that produce dust.~~
- e. Protection of permanent HVAC systems from dirt, dust, and debris in compliance with ASHRAE 62.1 section 7.2.4 or prevention of their operation during construction except for pre-occupancy ventilation as specified in Section 10.7.2 10.7.3, System Startup, Testing, Balancing and Commissioning. ~~Prevention of the operation of permanent HVAC systems during construction except for pre-occupancy ventilation as specified in Section 10.7.3, system startup, testing, balancing and commissioning.~~ All filters and controls shall be in place and operational during such HVAC system operation.
- f. Replacement of installed materials that ~~have been installed and~~ exhibit biological growth.