

Public Review Draft

Proposed Addendum r to Standard 189.1-2017

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

Second Public Review Draft (July 2019)
(Draft Shows Proposed Independent Substantive Changes to Previous Public Review Draft)

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Foreword

The first public review draft of this addendum identified a number of requirements from Section 8 of Standard 189.1 as being appropriate for local jurisdictions to consider excluding from their adopted ordinances. This ISC removes the Jurisdictional Option designation from several Section 8 requirements and removes these items from Table 4.2, thereby restoring them to core provisions of the standard.

[Note to Reviewers: This public review draft 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 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 r to 189.1-2017

Revise Table 4.2 as follows

**INFORMATIVE TABLE 4.2 – to become normative in IgCC
REQUIREMENTS DETERMINED BY THE JURISDICTION**

SECTION	SECTION TITLE OR DESCRIPTION AND DIRECTIVES	Jurisdictional Requirement
8.3.1.3.(b)	Ozone	No
8.3.1.4.2	Building Pressure Exfiltration	No
8.3.1.9	Guest Room Preoccupancy Outdoor Air Purge Cycle	—No
8.3.4	Soil Gas Control	—No

Add [JO] following the section number to indicate that Section 8.3.1.4.2 is a jurisdictional option:

8.3.1.4–[JO] Building Pressure. The requirements in Section 8.3.1.4 supersede the requirements in ASHRAE Standard 62.1, Section 5.9.2. *Building projects* shall be designed in accordance with the following subsections.

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8.3.1.4.1 Mechanical Exhaust. Mechanical systems shall include controls capable of disabling exhaust fans and closing exhaust dampers whenever mechanical intake airflow is discontinued.

8.3.1.4.2 [JO] Exfiltration. Mechanical air-conditioning systems with dehumidification capability shall include system controls capable of maintaining static pressure inside the building, at the top floor, equal to or greater than the static pressure outside of the building during *mechanical cooling* operation.

Exceptions to 8.3.1.4.2:

1. Where excess exhaust is required by process considerations, such as certain industrial or healthcare facilities.
2. Warehouse facilities.
3. Buildings in *Climate Zones* 0B, 1B, 2B, 3B, 3C, 4B, 4C, 5, 6, 7 and 8.

Delete [JO] following the section number to indicate that Section 8.3.1.9 is not a jurisdictional option:

8.3.1.9 [JO] Guest Room Preoccupancy Outdoor Air Purge Cycle. Guest room ventilation systems controlled according to Section 7.4.3.10.4 shall have an *automatic* preoccupancy purge cycle that shall provide *outdoor air* ventilation at the design ventilation rate for 60 minutes, or at a rate and duration equivalent to one air change. In guest rooms with a *networked guest room control system*, the purge cycle shall be completed within 60 minutes prior to the time the room is scheduled to be occupied. Where guest rooms are not connected to a *networked guest room control system*, the preoccupancy purge cycle shall occur daily.

Delete [JO] following the section number to indicate that Section 8.3.4 is not a jurisdictional option:

8.3.4 [JO] Soil-Gas Control. Soil-gas entry into *enclosed spaces* that are immediately above crawlspaces, slabs-on-grade, and basement slabs shall be controlled in accordance with Sections 8.3.4.1 or 8.3.4.2.