

Ontario's Building Code Technical Bulletin:

Highlights of Amendments to Part 5 of Ontario's 2012 Building Code

Ontario Regulation 88/19, amending Ontario's 2012 Building Code, was filed on May 2, 2019.

This bulletin provides general information on certain amendments that have been made to Part 5 of Division B in the Building Code (Environmental Separation), including the relevant new or affected sections of the Building Code.

Unless otherwise noted, the in-effect date for the amendments described below is January 1, 2020.

For the full range of changes, code users are advised to consult the official source documents, including:

- The Building Code Act, 1992; and
- The 2012 Building Code (O. Reg. 332/12) as amended, and
- Ontario Regulation 88/19

The above documents are available on the [Government of Ontario's e-laws site](#).

Structural and Environmental Loads (5.1.4.1.)

A new requirement has been added to reflect where building materials, components or assemblies perform more than one function, they are required to satisfy the requirement of all those functions.

Determination of Wind Load (5.2.2.2.)

A new requirement has been added to clarify that the wind uplift resistance of membrane roofing assemblies required to conform with the requirements of CSA A123.21 "Dynamic Wind Uplift Resistance Membrane-Roofing Systems". However, the Building Code also recognizes proven past performance.

Installation of Protective Materials (5.6.1.2.)

This article has been revised and rearranged. A requirement that includes a new referenced standard has also been added. The new sentence addresses the protective materials in a vegetative roofing system and their resistance to root and rhizome penetration by requiring

testing of components in accordance with ANSI/GRHC/SPRI VR-1 standard.

Protection from Surface Water (5.7.)

Sections addressing “Surface Water” and “Moisture in the Ground” have been combined under the new Section 5.7. The new section also provides a description of the differences between waterproofing and dampproofing and addresses surface preparation and directing water away from buildings and assemblies.

Sound Transmission (5.8.)

A new sound transmission rating, apparent sound transmission class (ASTC), was introduced in order to consider contributions of flanking sound transmission. This is an alternative rating that can be used to meet the sound transmission requirements of the Building Code. The existing rating sound transmission class which considers only direct sound transmission has also been maintained. This section also now includes detailed and simplified calculation methods for ASTC.

Referenced Standards (5.10.)

Standards applicable to environmental separators and assemblies exposed to the exterior have been updated. Standards that have been withdrawn were also removed and outdated standards replaced with current editions. New standards that reflect materials currently used by industry were also added.

Other Fenestration Assemblies (5.10.4.)

A new subsection has been added to address other fenestration assemblies which are assemblies that have not been explicitly covered by the previous editions of the Building Code.

The new subsection establishes minimum performance requirement as well as laboratory and in-situ standard test procedures for curtain walls, window walls, storefronts and glazed architectural structures (referred to as other fenestration assemblies). It also provides guidance on how to properly identify these products and their applications by clarifying the recognized industry terminology.