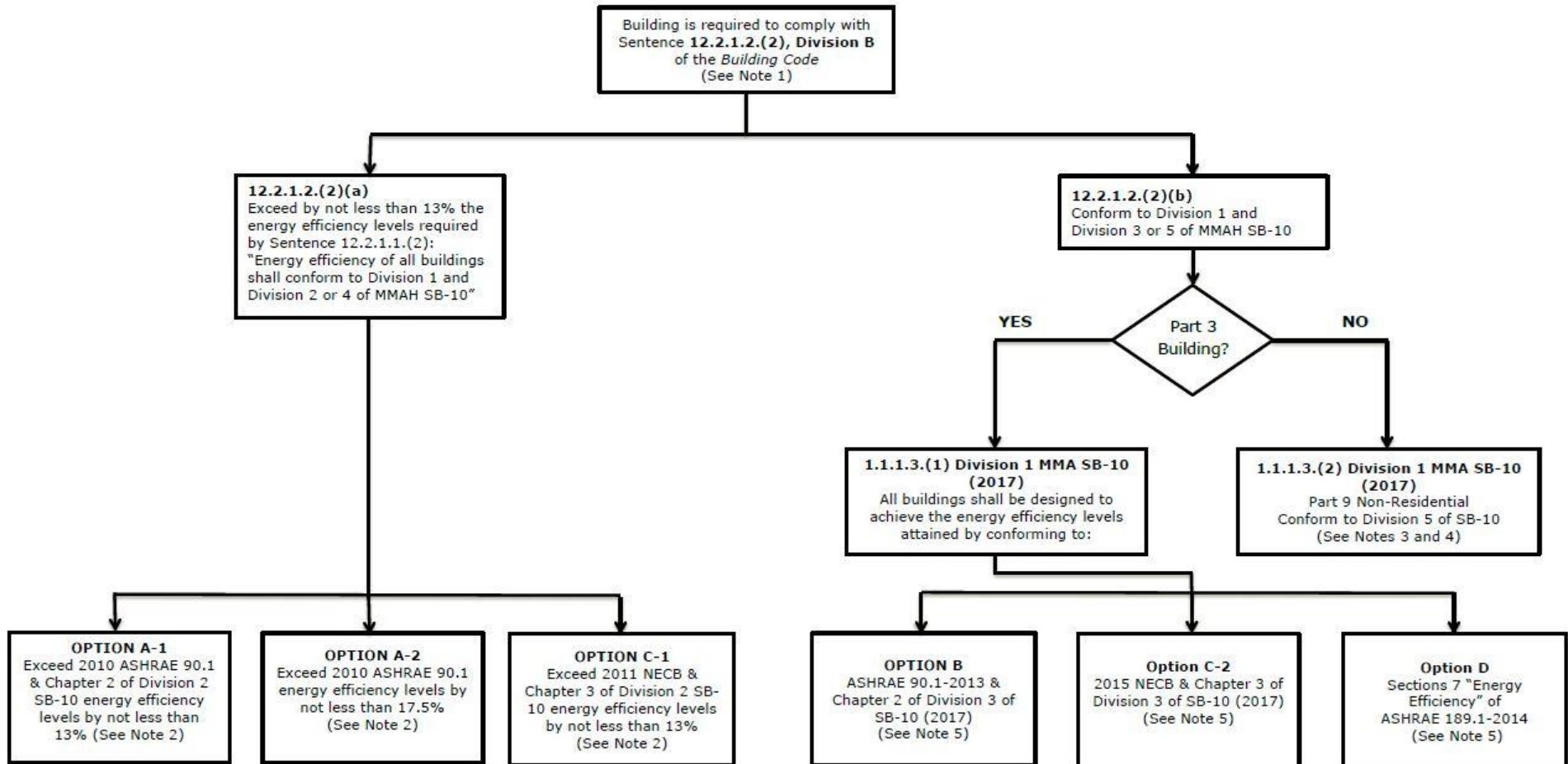


# Resource Conservation Program

## Compliance options for permit applications submitted after December 31, 2017



**Note 1:** According to Clause 12.2.1.2.(4) of the OBC, the following are exempt from compliance with Part 12 and SB-10:

1. A farm building,
2. A building that does not use electrical power or fossil fuel,
3. A manufactured building described in Article 9.1.1.9., or
4. A seasonal recreational building described in Section 9.36 or 9.38.

**Note 2:** Clause 12.2.1.2.(2)(a) states that a building exceeded by not less than 13% the energy efficiency levels required in Clause 12.2.1.1.(2). Values indicated in the diagram for Options A-2 and C-1 already take this into account using the requirements referred to under Clause 12.2.1.1.(2) and the following calculations:

1. Option A-1: Achieve the energy efficiency levels attained by conforming to ANSI/ASHRAE/IES 90.1-2010: "Energy Standard for Buildings Except Low-Rise Residential Buildings" and Chapter 2 of Division 2, SB-10. Required Energy Efficiency Level After December 31, 2016 =  $[1 - (1 - 0) * (1 - 0.13)] * 100\% = 13\%$  better than & ASHRAE 90.1-2010 + Chapter 3, Div. 2, SB-10.
2. Option A-2: Exceed by not less than 5% the energy efficiency levels attained by conforming to ANSI/ASHRAE/IES 90.1-2010: "Energy Standard for Buildings Except Low-Rise Residential Buildings". Required Energy Efficiency Level After December 31, 2016 =  $[1 - (1 - 0.05) * (1 - 0.13)] * 100\% = 17.35\%$ , Rounding to the nearest half percentage point = 17.5% better than ASHRAE 90.1-2010;
3. Option C-1: Achieve the energy efficiency levels attained by conforming to the 2011 NECB: "National Energy Code of Canada for Buildings" and Chapter 3 of Division 2, SB-10. Required Energy Efficiency Level After December 31, 2016 =  $[1 - (1 - 0) * (1 - 0.13)] * 100\% = 13\%$  better than 2011 NECB & Chapter 3, Div. 2, SB-10.

**Note 3:** Includes only buildings within scope of Part 9 that:

- a. Do not contain a residential occupancy,
- b. Do not use electric space heating, and
- c. Are intended for occupancy on a continuing basis during the winter months.

**Note 4:** According to Clause 1.1.1.1.(2) of Division 5, where ratio of gross area of fenestration to gross area of exterior wall (measured from grade to top of upper most ceiling) exceeds 40%, or ratio of gross skylight areas to gross ceiling area exceeds 3%, building shall comply with Article 1.1.2.1 of Chapter 1 of Division 3.

**Note 5:** Standards indicated in the diagrams are listed in MMA Supplementary Standard SB-10 (December 22, 2016 update) and include:

1. Option B: ASHRAE 90.1-2013: "Energy Standard for Buildings Except Low-Rise Residential Buildings"
2. Option C-2: 2015 NECB: "National Energy Code of Canada for Buildings"
3. Option D: ASHRAE 189.1-2014: "Standard for the Design of High-Performance Green Buildings (Except Low-Rise Residential Buildings)" (excluding Sections 7.2.b, 7.4.7.3., 7.4.8, and 7.5)

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