

Section 2.3. Alternative Solutions

2.3.1. Alternative Solutions

2.3.1.1. Application

- 1) For the purposes of Clause 1.2.1.1.(1)(b) of Division A, on written request by the owner of a *building* or facility or by an authorized agent of that owner, the *authority having jurisdiction* shall accept, for the *building* or facility, a measure as an alternative solution to an acceptable solution if satisfied that
 - a) the measure will achieve at least the level of performance required by Clause 1.2.1.1.(1)(b) of Division A, and
 - b) the acceptable solution does not expressly require conformance to a provincial enactment other than this Code or the British Columbia Building Code.

2.3.1.2. Documentation

- 1) The *authority having jurisdiction* may require a person requesting the use of an alternative solution to provide documentation to demonstrate that the proposed alternative solution will achieve at least the level of performance required by Clause 1.2.1.1.(1)(b) of Division A.
- 2) The documentation referred to in Sentence (1) shall include
 - a) a Code analysis outlining the analytical methods and rationales used to determine that the proposed alternative solution will achieve at least the level of performance required by Clause 1.2.1.1.(1)(b) of Division A, and
 - b) information concerning any special maintenance or operational requirements, including any component commissioning requirements, that are necessary for the alternative solution to achieve compliance with the Code after the *building* or facility is constructed.
- 3) The Code analysis referred to in Clause (2)(a) shall identify the applicable objectives, functional statements and acceptable solutions, and any assumptions, limiting or restricting factors, testing procedures, engineering studies or performance parameters that will support a Code compliance assessment.
- 4) The Code analysis referred to in Clause (2)(a) shall include information about the qualifications, experience and background of the person or persons taking responsibility for the design.
- 5) The information provided under Sentence (3) shall be in sufficient detail to convey the design intent and to support the validity, accuracy, relevance and precision of the Code analysis.
- 6) Where the design of a *building* or facility includes proposed alternative solutions that involve more than one person taking responsibility for different aspects of the design, the applicant for the permit shall identify a single person to coordinate the preparation of the design, Code analysis and documentation referred to in this Subsection.

2.3.1.3. Retention of Documentation

- 1) Documentation shall be retained on the premises to which it pertains for each measure that has been accepted and implemented as an alternative solution to an acceptable solution
 - a) in this Code, or
 - b) in the British Columbia Building Code that is attributed to the objective Fire Safety (OS1), Safety in Use (OS3), Fire Protection of the Building (OP1), or Protection of Adjacent Buildings from Fire (OP3).
- 2) The documentation referred to in Sentence (1) shall
 - a) identify the alternative solution and the authority that accepted it, and
 - b) include any documentation required by Article 2.3.1.2. or a similar provision in the British Columbia Building Code.