

Section 2.3. Alternative Solutions

2.3.1. Alternative Solutions

(See Note A-2.3.1.)

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 an authorized agent of that owner, the *authority having jurisdiction* shall accept a measure as an alternate solution to an acceptable solution for the building 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 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 operation requirements, including any *plumbing system* component commissioning requirements, that are necessary for the alternative solution to achieve compliance with the Code after the *plumbing system* is installed.
- 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 more than one person is responsible for the design of a *plumbing system, building* or facility that includes a proposed alternative solution, the person requesting the use of the alternative solution shall identify a single person to co-ordinate the preparation of the design, Code analysis and documentation referred to in this Article.