

ARCHIVE

**NATIONAL RESEARCH COUNCIL OF CANADA
ASSOCIATE COMMITTEE ON THE
NATIONAL BUILDING CODE**

**REVISION SERIES No. 1
to the
NATIONAL BUILDING CODE OF CANADA 1977
and
SUPPLEMENT No. 2,
FIRE PERFORMANCE RATINGS 1977**

**Ottawa
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Revisions to the National Building Code of Canada 1977

The Associate Committee on the National Building Code announces the following revisions to the National Building Code of Canada.

Page	Code Requirement	Revision
10	Definition	Add new definition as follows: “ <i>Smoke alarm</i> means a combined <i>smoke detector</i> and audible alarm device designed to sound an alarm within the room, suite or <i>dwelling unit</i> in which it is located upon the detection of products of combustion within that room, suite or <i>dwelling unit</i> .”
98	3.2.4	Add new Article 3.2.4.7. as follows: “ 3.2.4.7.(1) <i>Approved smoke alarms</i> shall be installed in each <i>dwelling unit</i> and, except for <i>institutional occupancies</i> , in each sleeping room not within a <i>dwelling unit</i> . “ (2) <i>Smoke alarms</i> within <i>dwelling units</i> shall be installed between each sleeping area and the remainder of the <i>dwelling unit</i> , and where the sleeping areas are served by hallways, the <i>smoke alarms</i> shall be installed in the hallways. “ (3) <i>Smoke alarms</i> shall be installed on or near the ceiling in conformance with <i>approved</i> installation instructions. “ (4) <i>Smoke alarms</i> shall be installed with permanent connections to an electrical circuit and shall have no disconnect switch between the overcurrent device and the <i>smoke alarm</i> . “ (5) Where more than one <i>smoke alarm</i> is required in a <i>dwelling unit</i> , the <i>smoke alarms</i> shall be wired so that the activation of one alarm will cause all alarms within the <i>dwelling unit</i> to sound. “ (6) Where instructions are necessary to describe the maintenance and care required for <i>smoke alarms</i> to ensure continuing satisfactory performance, they shall be posted in a location where they will be readily available to the occupants for reference.”
103	3.2.6.4.(3)	Delete Sentence (3) and its notes and substitute: “ (3) Except when Measure K of the ACNBC publication “Measures for Fire Safety in High Buildings” is used, each fire fighter’s elevator shall (a) be provided with a <i>closure</i> at each shaft opening so that the interlock mechanism and associated wiring is operational for a period of at least 1 hr when the assembly is subjected to the standard fire exposure described in ULC-S104-1976, “Standard Method for Fire Tests of Door Assemblies,” (b) be protected with a vestibule containing no <i>occupancy</i> and separated from the remainder of the <i>floor area</i> by a <i>fire separation</i> having a <i>fire-resistance rating</i> of at least ¼ hr, or (c) be protected with a corridor containing no <i>occupancy</i> and separated from the remainder of the <i>building</i> by a <i>fire separation</i> having a <i>fire-resistance rating</i> of at least 1 hr.”

Page	Code Requirement	Revision
233	9.9.7.7.	Delete and substitute: <p>“A <i>dwelling unit</i> containing more than 1 <i>storey</i> shall have an <i>exit</i> or doorway into a <i>public access to exit</i> from each of its top and bottom floor levels, except that a single <i>exit</i> is permitted from any <i>dwelling unit</i> provided the <i>exit</i> is an exterior door at or near ground level. The uppermost floor level of such <i>dwelling unit</i> shall be not more than 20 ft above the sill of the exterior <i>exit</i> door.”</p>
254	9.10	Add the following new Subsection 9.10.19. and renumber existing Subsection 9.10.19. as 9.10.20. <p>“Subsection 9.10.19. Smoke Alarms 9.10.19.1. <i>Approved smoke alarms</i> shall be installed in each <i>dwelling unit</i> and in each sleeping room not within a <i>dwelling unit</i>.” “9.10.19.2. <i>Smoke alarms</i> within <i>dwelling units</i> shall be installed between each sleeping area and the remainder of the <i>dwelling unit</i>; and where the sleeping areas are served by hallways, the <i>smoke alarms</i> shall be installed in the hallway.” “9.10.19.3. <i>Smoke alarms</i> in Articles 9.10.19.1. and 9.10.19.2. shall be installed on or near the ceiling in conformance with <i>approved</i> installation instructions.” “9.10.19.4. <i>Smoke alarms</i> shall be installed by permanent connections to an electrical circuit and shall have no disconnect switch between the overcurrent device and the <i>smoke alarm</i>. Where the <i>building</i> is not supplied with electrical power, <i>smoke alarms</i> may be battery operated.” “9.10.19.5. Where more than one <i>smoke alarm</i> is required in a <i>dwelling unit</i>, the <i>smoke alarms</i> shall be wired so that the activation of one alarm will cause all alarms within the <i>dwelling unit</i> to sound.” “9.10.19.6. Where instructions are necessary to describe the maintenance and care required for <i>smoke alarms</i> to ensure continuing satisfactory performance, they shall be posted in a location where they will be readily available to the occupants for reference.”</p>

Revisions to the Supplement No. 2, Fire Performance Ratings

Page	Requirement	Change
29	Table 3.1.B.	In fifth entry, change “Nylon carpet ⁽³⁾ ” to read “Nylon Carpet ^{(3),(4)} ”. Add new Note ⁽⁴⁾ to Table 3.1.B. as follows: <p>“⁽⁴⁾ Carpets were also tested glued directly to asbestos cement base as described in ULC-S102.2-1975, “Standard Method of Test of Surface Burning Characteristics of Flooring and Floor Covering Materials.” Adhesives are to be synthetic or natural rubber base latex (solvent or emulsion type) designed for carpet installations and applied in an approved manner to a concrete floor.”</p> In Note (3) to Table 3.1.B., in the third line change “Types I, II, and III” to read “Types I and 2.”