

April 2009

06-BCE-003

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## ERRATA PACKAGE #3

### DISCUSSION

The Alberta Building Code 2006 was adopted on September 2<sup>nd</sup>, 2007 by provincial regulation. The Building Code Amendment Regulation was adopted on March 12<sup>th</sup> 2009 and is declared to be in force on May 3<sup>rd</sup>, 2009. Since that time, Code users and safety codes officers have identified several typographical and technical errors in the document that need to be revised. This STANDATA details the changes identified as of the issuance date above.

The errata have been approved by the Building Technical Council of the Safety Codes Council. The tables on the following pages identify the errata that apply to the Alberta Building Code 2006. Code users are instructed to make note of these changes in their Code books.

Replacement pages for Code books are provided at the end of this STANDATA.

The errata have been organized according to the Division they are in: Division A, B or C.

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Unless stated otherwise, all Code references in this STANDATA are to Division B of the Alberta Building Code 2006.



Issue of this STANDATA is authorized by  
the Acting Chief Building Administrator

*[Original Signed]*  
Chris Salvian, P.Eng.



SAFETY CODES COUNCIL

## DIVISION A ERRATA

Provision	Current Requirement	Revised Requirement	Justification
Table 04.02.01.01.	<b>9.10.15.5. Construction of Exposing Building Face of Houses</b> (1) [F02,F03-OP3.1] (2) [F02,F03-OP3.1] (3) [F02,F03-OP3.1] (5) [F03-OP3.1] (7) [F02,F03-OP3.1] (8) [F03-OP3.1] [F03-OP1.2] [F03-OS1.2] (9) [F03-OP3.1] [F03-OP1.2] [F03-OS1.2]	<b>9.10.15.5. Construction of Exposing Building Face of Houses</b> (1) [F02,F03-OP3.1] (2) [F02,F03-OP3.1] (3) <del>F02</del> ,F03-OP3.1] (5) [F03-OP3.1] (7) [F02,F03-OP3.1] (8) [F03-OP3.1] [F03-OP1.2] [F03-OS1.2] (9) [F03-OP3.1] [F03-OP1.2] [F03-OS1.2]	Editorial correction.

## DIVISION B ERRATA

Provision	Current Requirement	Revised Requirement	Justification
9.10.15.3.(1)	<b>1)</b> Except for the purpose of applying Sentence 9.10.15.5.(1), a <i>limiting distance</i> equal to half the actual <i>limiting distance</i> shall be used as input to the requirements of this Subsection, where a) the time from receipt of notification of a fire by the fire department until the first fire department vehicle capable of beginning suppression activities arrives at the <i>building</i> is greater than 10 minutes in not less than 10% of all calls to the <i>building</i> , and b) any <i>storey</i> in the <i>building</i> is not <i>sprinklered</i> . (See A-3.2.3.1. and A-3.2.3.1.(8) in	<b>1)</b> Except for the purpose of applying Sentence 9.10.15.5.(11), a <i>limiting distance</i> equal to half the actual <i>limiting distance</i> shall be used as input to the requirements of this Subsection, where a) the time from receipt of notification of a fire by the fire department until the first fire department vehicle capable of beginning suppression activities arrives at the <i>building</i> is greater than 10 minutes in not less than 10% of all calls to the <i>building</i> , and b) any <i>storey</i> in the <i>building</i> is not <i>sprinklered</i> . (See A-3.2.3.1. and A-3.2.3.1.(8) in	Editorial correction.

	Appendix A.)	Appendix A.)	
9.10.15.5.(2)	<p><b>2)</b> Except as provided in Sentence (4), where the <i>limiting distance</i> is less than 0.6 m, the <i>exposing building face</i> and any exterior wall located above the <i>exposing building face</i> that encloses an <i>attic or roof space</i> shall have a <i>fire-resistance rating</i> of not less than 45 min, and</p> <ul style="list-style-type: none"> <li>a) the cladding shall <ul style="list-style-type: none"> <li>i) be of a <i>noncombustible</i> material conforming to Section 9.20., 9.27. or 9.28. (see A-9.10.14.5.(1) in Appendix A.), or</li> <li>ii) conform to Clause 3.2.3.7.(3)(d), or</li> </ul> </li> <li>b) the wall assembly shall satisfy the criteria of Sentences 3.1.5.5.(2) and (3) when subjected to testing in conformance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies."</li> </ul>	<p>2) Except as provided in Sentences (3) and (4), where the <i>limiting distance</i> is less than 1.2 m, the <i>exposing building face</i> and any exterior wall located above the <i>exposing building face</i> that encloses an <i>attic or roof space</i> shall have a <i>fire-resistance rating</i> of not less than 45 min, and</p> <ul style="list-style-type: none"> <li>a) where the <i>limiting distance</i> is less than 0.6 m, the cladding shall <ul style="list-style-type: none"> <li>i) be of a <i>noncombustible</i> material conforming to Section 9.20., 9.27. or 9.28. (See Appendix A-9.10.14.5.(1).), or</li> <li>ii) conform to Clause 3.2.3.7.(3)(d),</li> </ul> </li> <li>b) where the <i>limiting distance</i> is not less than 0.6 m and less than 1.2 m, the cladding shall <ul style="list-style-type: none"> <li>i) be of a <i>noncombustible</i> material conforming to Section 9.20., 9.27. or 9.28. (See Appendix A-9.10.14.5.(1).), or</li> <li>ii) conform to Clause 3.2.3.7.(3)(c) or (d), or</li> </ul> </li> <li>c) the wall assembly shall satisfy the criteria of Sentences 3.1.5.5.(2) and (3) when subjected to testing in conformance with CAN/ULC S134, "Fire Test of Exterior Wall Assemblies."</li> </ul>	Editorial correction.
9.10.15.5.(3)	<p><b>3)</b> Except as provided in Sentence (4), where the <i>limiting distance</i> is not less than 0.6 m and less than 1.2 m, the <i>exposing building face</i> and any exterior wall located above the <i>exposing building face</i> that encloses an <i>attic or roof space</i> shall have a</p>	<p><b>3) Where a garage or accessory building serves one dwelling unit only and is detached from any building, the exposing building face</b></p> <ul style="list-style-type: none"> <li><b>a) need not conform to the minimum required fire-resistance rating</b></li> </ul>	Editorial correction.

	<p><i>fire-resistance rating</i> of not less than 45 min, and</p> <ul style="list-style-type: none"> <li>a) the cladding shall <ul style="list-style-type: none"> <li>i) be of a <i>noncombustible</i> material conforming to Section 9.20., 9.27. or 9.28. (see A-9.10.14.5.(1) in Appendix A.), or</li> <li>ii) conform to Clause 3.2.3.7.(3)(c) or (d), or</li> </ul> </li> <li>b) the wall assembly shall satisfy the criteria of Sentences 3.1.5.5.(2) and (3) when subjected to testing in conformance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies."</li> </ul>	<p><b>stated in Sentence (2) where the limiting distance is 0.6 m or more, and</b></p> <p><b>b) need not conform to the type of cladding or wall assembly required by Clause (2)(a), (b) or (c), regardless of the limiting distance.</b></p>	
A-9.10.15.5.(7)	<p><b>A-9.10.15.5.(7) Protection at Projections.</b> Sentence 9.10.15.5.(7) permits certain projections from exposing building faces where the constructions do not have exterior walls and thus clearly do not constitute part of the exposing building face. Sentence 9.10.15.5.(8) refers to other types of projections from the exposing building face, such as for fireplaces and chimneys. It is recognized that these present more vertical surface area compared to platforms, canopies and eave projections, and may be enclosed by constructions that are essentially the same as exterior walls. These constructions, however, do not enclose habitable space, are of limited width and may not extend a full storey in height. Consequently, Sentence 9.10.15.5.(7) allows these projections beyond the exposing building face of buildings identified in Sentence 9.10.15.5.(6) provided additional fire</p>	<p><b>A-9.10.15.5.(7) Protection at Projections.</b> Sentence 9.10.15.5.(6) permits certain projections from exposing building faces where the constructions do not have exterior walls and thus clearly do not constitute part of the exposing building face. Sentence 9.10.15.5.(7) refers to other types of projections from the exposing building face, such as for fireplaces and chimneys. It is recognized that these present more vertical surface area compared to platforms, canopies and eave projections, and may be enclosed by constructions that are essentially the same as exterior walls. These constructions, however, do not enclose habitable space, are of limited width and may not extend a full storey in height. Consequently, Sentence 9.10.15.5.(7) allows these projections beyond the exposing building face of buildings identified in Sentence 9.10.15.5.(6) provided additional fire</p>	Editorial correction.

	protection is installed on the projection. Figure A-9.10.15.5.(7) illustrates projections that extend within 0.6 m or 1.2 m of the property line where additional protection must be provided. Where a projection extends within 0.6 m of the property line, it must be protected to the same degree as an exposing building face that has a limiting distance of less than 0.6 m. Where a projection extends within 1.2 m but not within 0.6 m of the property line, it must be protected to the same degree as an exposing building face that has a limiting distance of less than 1.2 m.	protection is installed on the projection. Figure A-9.10.15.5.(7) illustrates projections that extend within 0.6 m or 1.2 m of the property line where additional protection must be provided. Where a projection extends within 0.6 m of the property line, it must be protected to the same degree as an exposing building face that has a limiting distance of less than 0.6 m. Where a projection extends within 1.2 m but not within 0.6 m of the property line, it must be protected to the same degree as an exposing building face that has a limiting distance of less than 1.2 m.	
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These ERRATA apply throughout the Province of Alberta.



**3)** For the purpose of using Table 9.10.15.5. to determine the required type of construction, cladding and *fire-resistance rating* for an irregularly shaped or skewed exterior wall,

- a) the location of the *exposing building face* shall be taken as a vertical plane located so that no portion of the actual *exposing building face* is between the vertical plane and the line to which the *limiting distance* is measured, and
- b) the value for the maximum aggregate area of glazed openings (see first column of Table 9.10.15.5.) shall be determined using the *limiting distance* measured from the location described in Clause (a). (See A-3.2.3.1.(4) in Appendix A.)

**4)** The *limiting distance* for an *exposing building face* that includes projections such as bow windows, bay windows or *flue* chases of *combustible construction*, shall be measured from the face of the projection nearest the line to which the *limiting distance* is measured.

### 9.10.15.3. Limiting Distance where Firefighting Facilities are Inadequate

**1)** Except for the purpose of applying Sentence 9.10.15.5.(11), a *limiting distance* equal to half the actual *limiting distance* shall be used as input to the requirements of this Subsection, where

- a) the time from receipt of notification of a fire by the fire department until the first fire department vehicle capable of beginning suppression activities arrives at the *building* is greater than 10 minutes in not less than 10% of all calls to the *building*, and
- b) any *storey* in the *building* is not *sprinklered*.  
(See A-3.2.3.1. and A-3.2.3.1.(8) in Appendix A.)

### 9.10.15.4. Glazed Openings in Exposing Building Face

**1)** Except as provided in Sentence (6), the maximum aggregate area of glazed openings in an *exposing building face* shall

- a) conform to Table 9.10.15.4.,
- b) conform to Subsection 3.2.3., or
- c) be equal to or less than the *limiting distance* squared, where the *limiting distance* is not less than 1.2 m.

**Table 9.10.15.4.**  
**Maximum Area of Glazed Openings in Exterior Walls**  
Forming Part of Sentence 9.10.15.4.(1)

Maximum Total Area of <i>Exposing Building Face</i> , m <sup>2</sup>	Maximum Aggregate Area of Glazed Openings, % of <i>Exposing Building Face</i> Area											
	<i>Limiting Distance</i> , m											
	Less than 1.2	1.2	1.5	2.0	4.0	6.0	8.0	10.0	12.0	16.0	20.0	25.0
30	0	7	9	12	39	88	100	—	—	—	—	—
40	0	7	8	11	32	69	100	—	—	—	—	—
50	0	7	8	10	28	57	100	—	—	—	—	—
100	0	7	8	9	18	34	56	84	100	—	—	—
Over 100	0	7	7	8	12	19	28	40	55	92	100	—

**2)** Where the limits on the area of glazed openings are determined for individual portions of the exterior wall, as described in Subclause 9.10.15.2.(1)(b)(iii), the maximum aggregate area of glazed openings for any portion shall conform to the values in the row of Table 9.10.15.4. corresponding to the maximum total area of *exposing building face* (see column 1 of the Table) that is equal to the sum of all portions of the *exposing building face*. (See Appendix A.)

- ★ **3)** Individual glazed openings in an *exposing building face* shall have a projected area that is not more than 50% of the maximum allowable aggregate area of glazed openings determined in Sentence (1), unless
  - a) the *building* is *sprinklered* throughout, or
  - b) the *limiting distance* is more than 2 m.
- ★ **4)** An individual glazed opening described in Sentence (3) shall be separated by not less than 2 m horizontally and 2 m vertically from any other glazed opening that is located on the same *exposing building face* and within the same *fire compartment*. (See A-3.2.3.1.(6) in Appendix A.)
- ★ **5)** For the purposes of Sentence (4),
  - a) two adjacent spaces are permitted to be considered as separate *fire compartments* where there is a full height wall extending not less than 1.5 m from the interior face of the exterior wall, finished in accordance with Subsection 9.29.4. or 9.29.5., and
  - b) two stacked spaces shall be considered to be a single room or space where the spaces are on the same *storey*.
- ★ **6)** The limits on the area of glazed openings shall not apply to the *exposing building face* of a *dwelling unit* facing a detached garage or accessory *building*, where
  - a) the detached garage or accessory *building* serves only one *dwelling unit* or a primary *dwelling unit* with a *secondary suite*,
  - b) the detached garage or accessory *building* is located on the same property as that *dwelling unit*, and
  - c) the *dwelling unit* served by the detached garage or accessory *building* is the only *major occupancy* on the property.

#### 9.10.15.5. Construction of Exposing Building Face of Houses

- ★ **1)** Except as provided in Sentences (4) and (6), each *exposing building face* and any exterior wall located above an *exposing building face* that encloses an *attic* or *roof space* shall be constructed in conformance with Sentence (2) or (3)
  - a) for the *exposing building face* as a whole, or
  - b) for any number of separate portions of the *exposing building face* (see Subclause 9.10.15.2.(1)(b)(iii), Sentence 9.10.15.4.(2), and Appendix Note A-9.10.15.4.(2) in Appendix A).
 (See also Subsection 9.10.8.)
- ★ **2)** Except as provided in Sentences (3) and (4), where the limiting distance is less than 1.2 m, the exposing building face and any exterior wall located above the exposing building face that encloses an attic or roof space shall have a fire-resistance rating of not less than 45 min, and
  - a) where the limiting distance is less than 0.6 m, the cladding shall
    - i) be of a noncombustible material conforming to Section 9.20., 9.27. or 9.28. (See Appendix A-9.10.14.5.(1).), or
    - ii) conform to Clause 3.2.3.7.(3)(d),
  - b) where the limiting distance is not less than 0.6 m and less than 1.2 m, the cladding shall
    - i) be of a noncombustible material conforming to Section 9.20., 9.27. or 9.28. (See Appendix A-9.10.14.5.(1).), or
    - ii) conform to Clause 3.2.3.7.(3)(c) or (d), or
  - c) the wall assembly shall satisfy the criteria of Sentences 3.1.5.5.(2) and (3) when subjected to testing in conformance with CAN/ULC S134, "Fire Test of Exterior Wall Assemblies."
- ★ **3)** Where a garage or accessory building serves one dwelling unit only and is detached from any building, the exposing building face
  - a) need not conform to the minimum required fire-resistance rating stated in Sentence (2) where the limiting distance is 0.6 m or more, and
  - b) need not conform to the type of cladding or wall assembly required by Clause (2)(a), (b) or (c), regardless of the limiting distance.