Canadian Farm Building Code 1990

First Revisions and Errata

Issued by the
Associate Committee on the National Building Code
National Research Council of Canada
Ottawa

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The attached pages identify revisions and errata to the Canadian Farm Building Code 1990. The revisions have been approved by the Associate Committee on the National Building Code for immediate implementation.

In accordance with the ACNBC Policies and Procedures, documents referenced in the 1990 CFBC are updated annually. The revisions contained herein include updates to 30 June 1990. Where changes to the title have been made, the relevant requirements have also been updated.

The errata are corrections which have been identified and are included to facilitate the use of the Code. Revisions are identified by an ***r*** in the margin nearest the change; errata are identified by an ***e***.

1991 first revisions and errata

2.2.1.15.
3.1.8.1.
Table A-3.1.5.1.

2.2.1.15.

(3) In a bin with vertical walls, the horizontal wall pressure shall be determined from the following equation:

$$L = 2.0\,CH$$

where L = horizontal pressure, kPa,
H = depth below the levelled pile surface, m,
C = bin width factor
= 1.0 for *shallow bins*
e = $\sqrt{\frac{w}{0.75H}} > 0.7$ for *deep bins*,
w = bin width, m.

r **3.1.8.1. Installation.** Lightning protection devices where used shall be installed in conformance with CAN/CSA-B72-M87, "Installation Code for Lightning Protection Systems."

Estimated Fire-Resistance Ratings for Assemblies[1, 2]		
Structure	Membranes	Fire Resistance min
38 mm × 89 mm wood studs 400 mm o.c.	11.0 mm Douglas Fir plywood or waferboard (both faces)	30
	14.0 mm Douglas Fir plywood or 15.6 mm waferboard (both faces)	35
	4.5 mm asbestos cement board over 9.5 mm gypsum wallboard (both faces)	60
	12.7 mm gypsum wallboard (both faces)	35
	8.0 mm Douglas Fir plywood or 9.4 mm waferboard (both faces) with stud spaces filled with mineral wool batts	40
38 mm × 89 mm wood studs	11.0 mm Douglas Fir plywood or waferboard (both faces) with stud spaces filled with mineral wool batts	30
600 mm o.c.	4.5 mm asbestos cement board over 9.5 mm gypsum wallboard (both faces)	30
	12.7 mm Type X gypsum wallboard (both faces)	35
Steel studs 400 mm o.c.	4.5 mm asbestos cement board over 9.5 mm gypsum wallboard (both faces)	50
e Wood floor and roof joists (38 mm thickness) 400 mm o.c.	12.7 mm Type X gypsum wallboard ceiling	35
	4.5 mm asbestos cement board on 9.5 mm gypsum wallboard ceiling	50
or Open web steel joist floors and roofs with ceiling supports 400 mm o.c.	26 mm portland cement and sand or lime and sand plaster on metal lath ceiling	40
90 mm hollow concrete blocks (normal weight aggregate)	—	45
140 mm hollow concrete blocks (normal weight aggregate)	—	60
190 mm hollow concrete blocks (normal weight aggregate)	—	90
Column 1	2	3

Notes to Table:

(1) Additional information on fire-resistance ratings for assemblies is given in Chapter 2, "Fire Performance Ratings" of the Supplement to the National Building Code 1990 and Article 9.10.3.1. of the National Building Code 1990.

(2) Interior walls are rated from both sides, whereas floors and roofs are rated from below.