

**ERRATA TO THE
2002 EDITION OF THE
NORTH CAROLINA BUILDING CODE**

Table 302.1.1 – Revise as follows:

<u>Group I-2 laundries equal to or less than 100 square feet and commercial kitchens in Group I-2</u>	<u>Smoke resistant construction and doors</u>
Storage rooms over 100 square feet	1 hour

Section 404.3, Exception 1

Change the word “are” to “area” in the first line

Table 704.8.

Delete footnote g for Unprotected openings - 0 to 3 feet

Delete footnote g for Unprotected openings – Greater than 3 to 5 feet

Add Section 903.2.8.1 as follows:

903.2.8.1 Fire Protection Incentives. *In building an R-2 occupancy and Type V-B construction provided with a Residential Sprinkler System installed in accordance with Section 903.1.2, including sprinkler protection for stairways, exitways, exterior balconies and exterior attached storage rooms and the following exceptions shall apply:*

- 1. No separation shall be required between R-2 occupancies and exterior attached storage rooms.*
- 2. The corridor fire resistance rating listed for occupancy Group R in Table 1004.3.2.1 shall be waived.*
- 3. The penetration protection of fire resistant assemblies listed in Section 711 of the North Carolina Building Code shall be waived. Penetrations of exits, exit access and tenant separations shall be sealed to resist the passage of smoke.*

Section 1003.3.3.5.1 revise as follows:

Section 1003.3.3.5.1 Stairway walking surface. The walking surface of treads and landings of a stairway shall not be sloped steeper than one unit vertical in 48 units horizontal (2-percent slope) in any direction.

Section 1607.11.2.1

Equations on page 303, revise as follows:

$$L_r = 20R_1R_2 \quad \text{(Equation 16-4)}$$

where: $12 \leq L_r \leq 20$

For SI: $L_r = 0.96 R_1R_2$

where: $0.58 \leq L_r \leq 0.96$

L_r = Roof live load per square foot (m^2) of horizontal projection in pounds per square foot (kN/m^2).

The reduction factors R_1 and R_2 shall be determined as follows:

$$R_1 = 1 \quad \text{for } A_t \leq 200 \text{ square feet (18.58 m}^2\text{)} \quad \text{(Equation 16-5)}$$

$$R_1 = 1.2 - 0.001A_t \quad \text{for } 200 \text{ square feet} < A_t < 600 \text{ square feet} \quad \text{(Equation 16-6)}$$

For SI: $1.2 - 0.011A_t$ for 18.58 square meters $< A_t < 55.74$ square meters

$$R_1 = 0.6 \quad \text{for } A_t \geq 600 \text{ square feet (55.74 m}^2\text{)} \quad \text{(Equation 16-7)}$$

$$R_2 = 1 \quad \text{for } F \leq 4 \quad \text{(Equation 16-8)}$$

$$R_2 = 1.2 - 0.05 F \quad \text{for } 4 < F < 12 \quad \text{(Equation 16-9)}$$

$$R_2 = 0.6 \quad \text{for } F \geq 12 \quad \text{(Equation 16-10)}$$

Section 1609.2

Revise Equation 16-11 as follows:

$$A_o \geq 0.8 A_g \quad \text{(Equation 16-11)}$$

where:

A_o = Total area of openings in a wall that received positive external pressure, in square feet (m^2)

A_g = The gross area of that wall in which A_o is identified, in square feet (m^2)

Section 1609.3 Revise second sentence as follows:

Basic wind speed for the special wind regions indicated, near mountainous terrain, and near gorges, shall be in accordance with local jurisdiction requirements, and Table 1609.3.2.

Section 1809.1.1

Revise to read as follows:

1809.1.1 Materials. Concrete shall have a 28-day specified compressive strength ($f'c$) of not less than 3,000 psi (20.68 Mpa).

Section 1809.3.6

Revise the second sentence to read as follows:

Pile load test shall be in accordance with 1807.2.8.3.

Section 1809.3.7

Revise #5 to read as follows:

5. An engineer registered in the state where the work is located

Table 2308.12.4

Table headings should read as follows:

$0.50 \leq S_{DS} < 0.75$

$0.75 \leq S_{DS} \leq 1.00$

$1.00 \leq S_{DS}$

Page 641 : Revise to read: Delete pages 643-644