

GENERAL ASSEMBLY OF NORTH CAROLINA
SESSION 2025

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SENATE BILL 492

Short Title: Single Stair Bldg. Code Reform. (Public)

Sponsors: Senators Mayfield and Moffitt (Primary Sponsors).

Referred to: Rules and Operations of the Senate

March 26, 2025

A BILL TO BE ENTITLED

AN ACT TO AMEND THE NORTH CAROLINA STATE BUILDING CODE TO
AUTHORIZE SINGLE-EXIT STAIRWAYS IN CERTAIN RESIDENTIAL BUILDINGS.
The General Assembly of North Carolina enacts:

SECTION 1.(a) Definitions. – For purposes of this act, the following definitions apply:

- (1) Building Code. – The North Carolina Building Code.
- (2) Building Code Council. – The North Carolina Building Code Council.
- (3) Group R-2 occupancy. – A multifamily residential building, as defined in the Building Code. This does not include three- and four-family dwellings under the rulemaking authority of the North Carolina Residential Code Council.
- (4) Qualifying R-2 building. – A Group R-2 occupancy building that contains between five and 32 dwelling units, having a total height of 75 feet or less above grade plane, and located solely on an individual lot.

SECTION 1.(b) Temporary Provisions. – Until the effective date of the permanent code amendments that the Building Code Council is required to adopt pursuant to subsection (d) of this section, the following shall apply:

- (1) With respect to qualifying R-2 buildings as defined in subsection (a) of this section, the Building Code Council and all local government officials enforcing the Building Code shall apply the provisions in subsection (c) of this section regarding single-exit stairway requirements.
- (2) The Building Code Council shall adopt permanent rules for qualifying R-2 buildings as set forth in subsection (d) of this section.

SECTION 1.(c) Single-Exit Stairway for Qualifying R-2 Buildings. – Notwithstanding any other provision of the Building Code or law to the contrary, the Building Code Council shall amend the Building Code to allow a qualifying R-2 building, as defined in subsection (a) of this section, to be served by a single-exit stairway in lieu of multiple exits, provided the building meets either the requirements for mid-rise single-exit buildings in subdivision (1) of this subsection or the requirements for low-rise single-exit buildings in subdivision (2) of this subsection, and meets all additional universal requirements set forth in subdivision (3) of this subsection, described as follows:

- (1) Mid-rise single-exit buildings. – A qualifying R-2 building may be served by a single exit if all of the following are satisfied:
 - a. The building has no more than eight total stories and has no more than seven stories above grade plane.
 - b. There shall be no more than four dwelling units on any floor.



- 1 c. The building shall be of not less than two-hour fire-resistance-rated
2 construction and shall be equipped throughout with an NFPA 13
3 automatic sprinkler system in accordance with Section 903.3.1.1 of the
4 Building Code. Residential-type sprinklers shall be used in all
5 habitable spaces in each dwelling unit.
- 6 (2) Low-rise single-exit buildings. – A qualifying R-2 building may be served by
7 a single exit if all of the following are satisfied:
- 8 a. The building has no more than three total stories, of which no more
9 than two stories are above grade plane.
- 10 b. There shall be no more than six dwelling units on any floor.
- 11 c. The building shall be of not less than one-hour fire-resistance-rated
12 construction or be equipped throughout with an NFPA 13 automatic
13 sprinkler system in accordance with Section 903.3.1.1 of the Building
14 Code. Residential-type sprinklers shall be used in all habitable spaces
15 in each dwelling unit.
- 16 (3) Universal requirements for all qualifying R-2 buildings. – A building meeting
17 the requirements of either subdivision (1) or (2) of this subsection shall also
18 comply with all of the following to be eligible to be constructed with no more
19 than one egress stair:
- 20 a. Stairway type. – An exterior stairway or an interior exit stairway shall
21 be provided. Any interior exit stairway, including any related exit
22 passageway, shall be pressurized in accordance with Section 909.20
23 of the Building Code or an alternative design approved by a licensed
24 engineer that achieves an equivalent result. Doors in the stairway shall
25 swing into the interior exit stairway regardless of occupant load
26 served. Doors leading from the stairway to the building exterior are
27 permitted to swing in the direction of exit travel.
- 28 b. Corridor separation. – A continuous corridor or exit passageway shall
29 separate each dwelling unit entry or exit door from the door to an
30 interior exit stairway or any related exit passageway. A dwelling unit
31 door shall not open directly into an interior exit stairway but may open
32 directly to an exterior stairway.
- 33 c. Travel distance to stairway. – There shall be no more than 20 feet of
34 travel from the entry or exit door of any dwelling unit to the nearest
35 entrance of the exit stairway.
- 36 d. Total travel distance. – The total travel distance, measured in
37 accordance with Section 1017 of the Building Code, from the most
38 remote point within any dwelling unit to an exit discharge shall not
39 exceed 125 feet.
- 40 e. Egress courts. – The exit serving the qualifying R-2 building shall not
41 terminate in an egress court where the court depth exceeds the court
42 width unless it is possible to exit in either direction to the public way.
- 43 f. Elevators. – Elevators shall be pressurized in accordance with Section
44 909.21 of the Building Code, shall open into elevator lobbies that
45 comply with Section 3006 of the Building Code, or use an alternative
46 design approved by a licensed engineer that achieves an equivalent
47 result. Where approved by the code-enforcement official, natural
48 ventilation is permitted to be substituted for pressurization if it
49 prevents the accumulation of smoke or toxic gases.
- 50 g. Other occupancies. – Other occupancies in the same building are
51 permitted only if they comply with all requirements of the Building

1 Code and do not communicate with the Group R-2 occupancy portion
2 of the building or with the single-exit stairway. Parking garages and
3 occupied roofs accessory to the Group R-2 occupancy are permitted to
4 communicate with the exit stairway.

5 h. Exit discharge. – The exit serving the qualifying R-2 building shall not
6 discharge through any other occupancy, including any accessory
7 parking garage.

8 i. Openings. – There shall be no openings within 10 feet of any
9 unprotected opening into the exit stairway, other than required exit
10 doors having a minimum one-hour fire-resistance rating.

11 (4) Means-of-egress requirements. – A qualifying R-2 building meeting the
12 requirements of either subdivision (1) or (2) of this subsection and subdivision
13 (3) of this subsection shall be deemed to comply with the means-of-egress
14 requirements for exit stairways under the North Carolina Fire Code and any
15 applicable local ordinances.

16 **SECTION 1.(d)** Additional Rulemaking Authority. – Notwithstanding
17 G.S. 150B-19(4), the Building Code Council shall adopt rules to amend the Building Code in a
18 manner substantively identical with subsection (c) of this section, including modifications needed
19 to incorporate qualifying R-2 buildings as defined in subdivision (a)(4) of this section, and to
20 make conforming changes throughout the Building Code. Rules adopted pursuant to this section
21 are not subject to Part 3 of Article 2A of Chapter 150B of the General Statutes. Rules adopted
22 pursuant to this section shall become effective as provided in G.S. 150B-21.3(b1), as though 10
23 or more written objections had been received as provided in G.S. 150B-21.3(b2).

24 **SECTION 1.(e)** Sunset. – This section expires on the date that permanent rules
25 adopted as required by subsection (d) of this section become effective.

26 **SECTION 2.** Effective Date. – This act is effective when it becomes law.