

## DIVISION OF FIRE SAFETY



OFFICE OF THE STATE FIRE MARSHAL, THE STATE FIRE ACADEMY AND THE STATE HAZ-MAT TEAM

UpdatedApril 2017

www.firesafety.vermont.gov

## **Requirements for STAIRS**

## NFPA 101 - 7.2.2.2.1 Standard Stairs.

Stairs shall meet the following criteria:

New stairs shall be in accordance with Table 7.2.2.2.1.1(a).

Existing stairs shall be permitted to remain in use, provided that they meet the requirements for existing stairs shown in Table 7.2.2.2.1.1(b).

Approved existing stairs shall be permitted to be rebuilt in accordance with the following:

- (a) Dimensional criteria of Table 7.2.2.2.1.1(b)
- (b) Other stair requirements of 7.2.2.2.1.1(b)

The requirements for new and existing stairs shall not apply to stairs located in industrial equipment access areas where otherwise provided in 40.2.5.3.



In one and two family dwellings the maximum riser heights of 7  $\frac{9}{4}$  in. and minimum tread depths of 10 in. shall be permitted in new construction. [Vermont Amendment to 24.2.5.7]

Within any individual dwelling unit, unless protected by an approved automatic sprinkler system, stairs more than one story above or below the entrance floor level of the dwelling unit shall not be permitted. [30.3.1.3]

Spiral stairs complying with the life safe code shall be permitted within a single dwelling unit. [30.2.2.3.3]

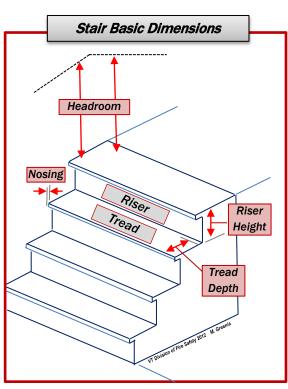


Table 7.2.2.2.1.1(a) New Stairs	
Feature	Dimensional Criteria
Minimum width clear of all obstructions except projections not more than 114 mm (4½ in.) at or below handrail height on each side	44 in. (36 in. where total occupant load of all stories served by stairways is fewer than 50)
Maximum Height of Risers	7 in.
Minimum Height of Risers	4 in.
Minimum Tread Depth Measured nosing to nosing	11 in.
Minimum Headroom	6 ft. 8 in.
Maximum Height Between Landings	12 ft.
Landing	See the Life Safety Code

Table 7.2.2.2.1.1(b) Existing Stairs	
Feature	Dimensional Criteria
Minimum width clear of all obstruction except projections not more than 114 mm (4½ in.) at or below handrail height on each side	36 in.
Maximum Height of Risers	8 in.
Minimum Tread Depth Measured nosing to nosin	ng <b>9 in.</b>
Minimum Headroom	6 ft. 8 in.
Maximum Height Between Landings	12 ft.
Landing	See the Life Safety Code

2015

NFORMATION SE

This sheet is designed to provide information to enhance the public safety of all Vermonters. This code information sheet is not an all-inclusive list of state laws or additional code requirements that may apply. This educational resource sheet does not carry the force of legal opinion and was developed by the Vermont Division of Fire Safety, with information provided by The U.S. Fire Administration and the National Fire Protection Association (NFPA). For additional information please visit www.firesafety.vermont.gov