

# 2015 MINNESOTA RESIDENTIAL CODE

## (Amendments, June 2017)

### Department of Labor and Industry

#### Adopted Exempt Permanent Rules Governing Automatic Fire Sprinklers for One- and Two-Family Dwellings and Two-Unit Townhomes under the International Residential Code, Minnesota Rules, Part 1309.0313

### SECTION R313 AUTOMATIC FIRE SPRINKLER SYSTEMS

**R313.1 Townhouse automatic fire sprinkler systems.** An automatic residential fire sprinkler system shall be installed in townhouses.

#### Exceptions:

1. An automatic residential fire sprinkler system shall not be required to be installed in a two-unit townhouse, unless required by Section R313.4.
2. An automatic residential fire sprinkler system shall not be required when additions or alterations are made to existing townhouses that do not have an automatic residential fire sprinkler system installed.

**R313.1.1 Design and installation.** Automatic residential fire sprinkler systems for townhouses shall be designed and installed in accordance with IRC Section P2904 or NFPA 13D.

**R313.2 One- and two-family dwellings automatic fire systems.** An automatic residential fire sprinkler system shall not be required to be installed in one- and two-family dwellings, unless required by Section R313.4.

#### Exceptions:

1. Detached one family dwelling, less than 4,500 square feet (418 m<sup>2</sup>) of floor area. Floor area shall include all floors and basements, excluding garages.
2. An automatic residential fire sprinkler system shall not be required if additions, alterations, or repairs are made to existing buildings that do not have an automatic residential sprinkler system installed.

**R313.2.1 Design and installation.** Automatic residential fire sprinkler systems shall be designed and installed in accordance with IRC Section P2904 or NFPA 13D.

**R313.3 Installation requirements.** When an automatic sprinkler system is required in two-family dwellings, it shall be installed in accordance with IRC Section P2904 or NFPA 13D.

Automatic sprinkler systems required in two-family dwellings and townhouse buildings shall be installed in accordance with the following:

1. Attached garages are required to have one dry head sprinkler located within 5 lineal feet (1.5 m) of each door installed in the common wall separating the dwelling unit and the attached garage;
2. Attached covered patios, covered decks, covered porches, and similar structures are required to have automatic sprinklers with a minimum of one dry head for every 20 lineal feet (6.096 m) of common wall between the dwelling unit and the covered patio, covered deck, covered porch, or similar structure.

**Exception:** Attached roofs of covered patios, covered decks, covered porches, or similar structures that do not exceed 40 square feet (3.716 m<sup>2</sup>) of floor area.

**R313.4 State-licensed facilities.** One- and two-family dwellings and townhouse buildings containing facilities required to be licensed or registered by the state of Minnesota shall be provided with an automatic sprinkler system required by the applicable licensing provisions of that agency or according to this part, whichever is more restrictive.