



**NEWPORT FIRE DEPARTMENT
OFFICE OF THE FIRE MARSHAL**

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**EXISTING THREE FAMILY
SMOKE AND CARBON MONOXIDE ALARMS
CERTIFICATE REQUIREMENTS**

For Three family dwellings both pages 1 and 2 are required.

In Individual Dwelling Units:

- (1) Smoke Alarms shall be installed inside each bedroom, outside sleeping areas within 21 ft of bedroom door and on each level of the dwelling unit(s) (including basements)
- (2) *Smoke Alarms shall be hard-wired with battery backup.
- (3) Smoke Alarms shall be required to be interconnected.
- (4) Carbon Monoxide Alarms or Detectors shall be installed inside bedrooms or sleeping areas containing fuel burning appliances, outside each sleeping area within 21 ft of bedroom door and on all levels.
(IF No dwelling unit contains fuel-burning appliances, fireplaces or attached garage, a CO detector is not required).
- (5) *Carbon Monoxide Alarms or Detectors shall be hard-wired with battery backup.
- (6) Carbon Monoxide Alarms or Detectors shall be required to be interconnected.
- (7) When floor area of a given level of a dwelling unit exceeds 1000 square feet, smoke alarms shall be installed for every 30 foot travel distance or 1 smoke alarm for every 500 square feet of floor area.

In Common Areas:

- (1) Smoke Alarms shall be installed on each floor landing of common stairway, in common corridors, in common basements.
- (2) *Smoke alarms shall be hard-wired with battery backup.
- (3) Smoke alarms shall be interconnected.
- (4) Carbon Monoxide Alarms or Detectors shall be installed in basements.
- (5) *Carbon Monoxide Alarms or Detectors shall be hard-wired with battery backup.
- (6) Carbon Monoxide Alarms or Detectors shall be required to be interconnected.

***The above smoke and carbon monoxide alarms may be installed as follows:**

- (1) Where the above provisions require both smoke alarms and carbon monoxide alarms or detectors, combination devices shall be permitted and deemed acceptable.
- (2) Wireless Smoke and Carbon monoxide alarms meeting the requirements of NFPA 72, 2019.
 - a. 10 yr. sealed battery, Visible "power on" indicator, Listed and Approved
- (3) Non-Supervised Wireless Interconnected Devices meeting the requirements of NFPA 72, 2019
 - a. Reliable 100ft communication, Listed and Approved

Dwelling areas and common areas will not be interconnected with one another

THREE FAMILY SMOKE AND CARBON MONOXIDE ALARMS AND INSPECTION REQUIREMENTS

Specific Locations

Kitchens and Cooking Appliances

- 1) Smoke alarms and detectors shall not be installed within a **10ft** radial distance along a horizontal flow path from stationary or fixed cooking appliance unless listed for installation in close proximity.
- 2) All detectors and alarms installed between **10ft** and **20ft** of horizontal flow path from stationary or fixed cooking appliance shall be equipped with an alarm-silencing means or use photoelectric detection.
- 3) Effective January 1, 2022, smoke alarms and smoke detectors installed between **6ft** (1.8 m) and **20ft** (6.1 m) along a horizontal flow path from a stationary or fixed cooking appliance **shall be listed** for resistance to common nuisance sources from cooking.

Bathrooms

- 1) Smoke alarms and detectors shall not be installed within a **36 in.** horizontal path from a door to a bathroom containing a shower or tub **unless** listed for installation in close proximity to such locations.

Forced Air

- 1) Smoke alarms and smoke detectors shall not be installed within a **36 in.** (910 mm) horizontal path from the supply registers of a forced air heating or cooling system and shall be installed outside of the direct airflow from those registers.

Ceiling Fans

- 1) Smoke alarms and smoke detectors shall not be installed within a **36 in.** (910 mm) horizontal path from the tip of the blade of a ceiling-suspended (paddle) fan **unless** the room configuration restricts meeting this requirement.

Stairways

- 1) Where stairs lead to other occupiable levels, a smoke alarm or smoke detector shall be located so that smoke rising in the stairway cannot be prevented from reaching the smoke alarm or smoke detector by an intervening door or obstruction.
- 2) For stairways leading up from a basement, smoke alarms or smoke detectors shall be located on the basement ceiling **near** the entry to the stairs.

Environment Code Considerations

- 1) Smoke alarms and smoke detectors shall not be located where ambient conditions, including humidity and temperature, are outside the limits specified by the manufacturer's published instructions.
- 2) Smoke alarms and smoke detectors shall not be located within unfinished attics or garages or in other spaces where temperatures can fall below 40 F (4.4 C) or exceed 100 F (38 C).

Walls

- 1) Smoke alarms or smoke detectors mounted on walls shall be located **not farther than 12 in.** from the adjoining ceiling surface (measured from the top of the detector).

Ceilings (*For beam and joists ceilings please contact fire prevention office for assistance*)

- 1) For tray-shaped ceilings (coffered ceilings), smoke alarms and smoke detectors shall be installed on the highest portion of the ceiling or on the sloped portion of the ceiling within **12 in.** (300 mm) vertically down from the highest point.
- 2) **FOR PEAKED OR SLOPED CEILINGS PLEASE SEE ADDITIONAL DOCUMENT ENTITLED SPECIFIC CEILING LOCATION REQUIREMENTS**

Other

- 1) Where a sleeping area is separated from the adjacent living areas by multiple doors, a smoke alarm shall be installed in the area between the door and the sleeping rooms, and additional alarms shall be installed on the living area side of the door (NFPA 72:29.8.1.2)