

Township of Clinton Construction Office
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WHERE TO LOCATE SMOKE DETECTORS:

Smoke detectors are to be located on every level of the residence; basement, first floor, second floor, (excluding crawl spaces and unfinished attics) and in every separate sleeping area, between sleeping areas and living areas such as the kitchen, garage, basement or utility room. In homes with only one sleeping area on one floor, a detector is to be put in the hallway outside each sleeping area as shown in *figure 1*. In single floor homes with two separate sleeping areas, two detectors are required, outside each sleeping area as shown in *figure 2*. In multi-level homes, detectors to be located outside sleeping areas and at every finished level of the home as shown in *figure 3*. Basement level detectors to be located at the bottoms of basement stairs as shown in *figure 4*.

WHERE NOT TO LOCATE SMOKE DETECTORS

To avoid false alarms and/or improper operation, avoid installation of smoke detectors in the following areas:

Kitchens – smoke from cooking may cause nuisance alarms.

Bathrooms – excessive steam from a shower may cause nuisance alarms.

Within three feet of air ducts, fans, etc. where air movement may prevent smoke from reaching the detector.

Near furnaces of any type of air movement and normal combustion products may cause a nuisance alarm.

The “Dead Air” space where the ceiling meets the wall, as shown in *figure 5*.

The peak of an “A” frame type of ceiling, the dead air space at the top may prevent smoke from reaching the detector.

FURTHER INFORMATION ON SMOKE DETECTOR LOCATION

National Fire Protection Association’s (NFPA) Standard No. 74-1984, titled “Household Fire Warning Equipment.” This publication may be obtained by writing to the Publication Sales Department, National Fire Protection Association, Battery March Park, Quincy, MA 02269.

WHERE TO LOCATE CARBON MONOXIDE DETECTORS:

CO Detectors shall be located per the requirements of NFPA 720, “Recommended Practice for the Installation of Household Carbon Monoxide (CO) Warning Equipment.”

CO detectors shall be located outside of and within ten feet of all sleeping areas. Each detector should be located on the wall, ceiling or other location as specified in the installation instructions that accompany the unit.