



TOWN OF DRACUT

BUILDING DEPARTMENT
11 Springpark Avenue
Office: (978) 454-0603

FIRE DEPARTMENT
488 Pleasant Street
Office: (978) 454-2113

***RESIDENTIAL PLAN APPROVAL REQUIREMENTS
FOR
SMOKE, HEAT & CARBON MONOXIDE DETECTORS***

Whenever permit applications include installation of or changes to a smoke or carbon monoxide detection system, the Dracut Fire Department must approve them.

The type of projects for which installation or changes are mandated include:

- New Construction
- Additions with bedrooms
- Additions with attached garages
- Reconstruction with walls and ceilings open

Required locations for each of these projects are listed on the reverse side.

All of the smoke, CO and heat detectors for the above projects need to be ceiling mounted, hard wired and interconnected with battery backup.

If a change is planned, but not mandated, Fire Department approval is still required.

The Fire Department will need the following documents:

- Three (3) sets of floor plans (all levels, including basement and attic)
- Additions also require three (3) sets of existing floor plans (all levels, including basement and attic)
- Transmittal form from the Building Department
- Checklist from the Building Department

Please get all Department Head signatures before going to the Fire Department. Bring all your information to the Fire Department last.

You will be leaving three (3) sets of plans and the signature sheet to be reviewed by the Fire Chief. You will be notified by phone upon completion of review.

The Fire Department will keep one set of plans, the remaining two will need to go back to the Building Department with all paperwork.

Single Family Homes Only

New Construction	Existing Dwelling
<p>5313.2.9 Smoke Detector Required Locations within the dwelling units. Smoke detectors shall be installed in the following locations (also refer to Board of Building Regulations and Standards Official Interpretation No. 49-98):</p> <ol style="list-style-type: none"> 1. In each bedroom (sleeping room). 2. Outside each separate bedroom (sleeping room) in the immediate vicinity of the bedroom (sleeping room). 3. Near the base of all stairs where such stairs lead to another occupied floor. 4. On each additional story of the dwelling, including basements and cellars but not including crawl spaces and unoccupied attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke detector installed on the upper level shall suffice for the adjacent lower level, provided that the lower level is less than one full story below the upper level. 5. For each 1,200 square feet (111 m2) of area or part thereof. <p>5313.2.11 Photo-electric Smoke Detectors. Any smoke detector located within 20 feet (6096 mm) of a kitchen or a bathroom shall be a photo-electric-type smoke detector. Photo-electric-type smoke detectors shall be allowed to be located closer than three feet (914 mm) horizontally from a kitchen or a bathroom door when hallway or other room size restricts detector mounting options.</p> <p style="padding-left: 40px;">Exception: A bathroom not containing a tub, shower jacuzzi or steam room.</p> <p>5313.3.1 Required Heat Detectors. A single heat detector listed for the ambient environment shall be installed in:</p> <ol style="list-style-type: none"> 1. Any integral garage (“garage under”) or attached garage to the main house (detached garages do not require a heat detector). 2. A new addition attached garage to an existing dwelling shall require a single heat detector installed in the garage in accordance with all applicable criteria of 780 CMR 5313. If the existing house contains a fire detection system that is compatible with the garage heat detector, then said garage heat detector shall be interconnected to the existing dwelling fire detection system. Where the dwelling-proper existing fire detection system is not compatible with the garage heat detector, the garage heat detector shall be connected to a sounder (occupant notification appliance) or compatible heat detector containing a sounding device, located in the dwelling-proper and within 20 feet (6096 mm) of the nearest door to the garage from the dwelling-proper. The required garage heat detector is not required to incorporate audible alarm notification nor is any audible notification device required in the garage. <p>5313.4.3 Carbon Monoxide Detector Required Locations. One carbon monoxide detector shall be installed on each story of a dwelling unit, including basements and cellars (but not including crawl spaces and uninhabitable attics) in accordance with the manufacturer’s instructions and the applicable requirements of NFPA 720.</p> <p>When mounting Carbon Monoxide Alarm Protection on a level of a dwelling unit with a sleeping area, the alarm shall be installed in the immediate vicinity of the sleeping area. At a minimum, the alarm shall be located outside of any bedroom but shall not exceed ten ft. as measured in any direction from any bedroom door.</p>	<p>9304.8 Smoke Heat Detection and Carbon Monoxide Alarm Systems and CO Detection and Alarm. When one or more sleeping rooms are added or created in existing dwellings, the entire existing building shall be provided with smoke detectors, heat detector and carbon monoxide detectors designed, located and installed in accordance with the provisions for new construction, 780 CMR 5313, as applicable.</p> <p>If a garage is created under an existing dwelling or attached to an existing dwelling, a heat detector, conforming to the requirements of the code for new construction shall be installed in the garage; such requirement is not applicable for detached garages (see 780 CMR 5313.2).</p> <p>If the dwelling undergoes complete reconstruction such that all walls and ceilings are open to framing, then the entire existing building shall be provided with smoke detectors, heat detector and carbon monoxide detectors designed, located and installed in accordance with the provisions for new construction (see 780 CMR 5313 inclusive and as applicable).</p>