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**FIRE & LIFE SAFETY INSPECTIONS**

This document is intended as a guide to ensure that all parties have a clear understanding of the installation and inspection requirements for the Town of Danville. These installation and inspection requirements are subject to revision and update without notice as changes are imposed by the applicable NFPA and BOCA codes.

Below are items of concern that are most often in question. However, the inspection is not limited to just these items – all applicable fire safety rules, regulations and codes will be enforced. In the case of an ambiguity, that of the “safest” approach will apply.

**I. FIRE SAFETY INSPECTIONS**

- A. Inspections will be “phased” to ensure proper installation before any cover up. This applies to chimneys, vents and any appliance that cannot be fully viewed after finish is applied.
- B. Inspections will be based on NFPA, BOCA, and any manufacture’s instructions that have been approved by a nationally recognized testing laboratory.

**II. SMOKE DETECTOR SYSTEMS**

- A. New construction must meet all of the latest applicable codes. The system shall be hard wired to house current, sympathetic, and with battery backup. In areas of chronic faults, a “rate of rise” heat detector may be substituted. There shall be one detector in the space of each fuel burning appliance, one for each level of the structure, one for each “sleeping space”, one in the attic area or any 2<sup>nd</sup> and/or 3<sup>rd</sup> floor unfinished areas that are subject to potential conversion for occupancy and one in each section of any enclosed garage.
- B. Re-inspections of existing “single family occupancy” structures will be based upon the codes in effect at the time for the original inspection. All other structure inspections will be based upon present day codes.
- C. When older system units require replacement or expansion, they will be replaced with up-to-date appliances.

**III. HEATING APPLIANCE SYSTEMS**

- A. Clearance of units to combustibles will be per manufacturer’s recommendations.
- B. A four by four foot (4’x4’) square of “fire code” sheet rock shall be installed over the unit, but may be substituted by a properly installed approved residential sprinkler head.
- C. No reduction in size of exhaust pipe or barometric damper control will be allowed.
- D. Through-the wall power vent systems will not be located in a captive combustible space that is not well ventilated unless it is specifically engineered and approved for such installation.
- E. The venter must not be down sized over one size regardless of calculations.
- F. No external termination of a power venter system will be approved that does not meet all clearance requirements and said venter system must be free of environmental restrictions.
- G. To ensure that the structure is not subject to a vacuum from normal exhaust devices under “winter time” conditions, make up air shall be provided via an open duct equal to the exhaust pipe area. This duct shall be as close to the fuel burning appliance as possible, meeting all spacing requirements of exhaust verses air intakes. [An appropriate alternative method may be utilized, provide said method cannot be circumvented.]
- H. All fuel burning appliances shall be properly vented using the manufactures recommended/approved venting installation procedures.

