



## **Solid Fuel Burning Appliances**

### **A BUILDING PERMIT IS REQUIRED FOR THE INSTALLATION OF EVERY WOODSTOVE, FIREPLACE OR FIREPLACE INSERT**

#### **INFORMATION YOU NEED TO KNOW PRIOR TO CONSIDERING INSTALLING A WOODSTOVE OR FIREPLACE INSERT**

1. Every wood stove installation requires the installation of a Carbon Monoxide Detector, if one is not already present, on every storey that contains a bedroom.
2. If your house was constructed between 1990-1993, you must;
  - Install a fresh air intake of an appropriate size to prevent excessive depressurization.
3. If your house was constructed after 1993, you must;
  - Perform a pressure test on your house in accordance with CSA-F326 and if not more than 5 Pa depressurization is found the woodstove may be installed, or
  - Provide a heat recovery ventilator (HRV) which is designed to operate so that the flow of exhaust air does not exceed the flow of intake air in an operating mode.
4. Installation of the woodstove by a W.E.T.T. certified installer is highly recommended, a list of installers could be found at [www.wettinc.ca](http://www.wettinc.ca)

#### **FORMS TO BE SUBMITTED**

1. Completed Application to Construct or Demolish
2. Two (2) copies of a floor plan of the room in which the woodstove or fireplace is to be installed indicating information that will include;
  - Distances of wood stove and flue pipe to walls and other combustible material
  - Type of ceiling or wall chimney pass-through
  - Type and dimensions of non-combustible pad underneath the woodstove
3. Two (2) copies of a cross-sectional drawing indicating;
  - Height of chimney extension above roof and any other elevation within 10 feet
  - Type and size of chimney and/or chimney liner
  - For masonry fireplace:
    - Size of fireplace opening and type of fireplace liner
    - Size of footing to support fireplace and chimney

- Type of, minimum extension of, and support of hearth
- 4. Two copies of the manufacturer's installation instructions for the woodstove, factory built fireplace and/or pre-manufactured stainless steel insulated chimney.
- 5. Information as to the age of your home and whether or not a Carbon Monoxide detector is present, and if the dwelling contains and HRV or results of a pressure test indicating not more than 5 Pa depressurization if required.

## **PERMIT FEE**

All woodstove and fireplace installations are a flat fee of \$200.

## **INSPECTION**

An inspection must be done when installation is complete. If an additional inspection is required it will be indicated at the time of permit issuance.

## **WOODSTOVES**

There are many varieties of woodstoves available in both certified and uncertified models. Certified wood burning appliances in Canada are tested and/or listed with three agencies which are as follows:

1. The Canadian Standards Association (C.S.A.)
2. Underwriters Laboratories of Canada (U.L.C.)
3. Warnock Hersey Professional Services Ltd. (WH)

These agencies test wood burning appliances to very rigid and exacting specifications with respect to design, fabrication and safety and the clearances specified in the installation instructions for each appliance have been determined from these tests.

Any woodstove which has been tested by an agency other than the above-mentioned, or does not have any certification affixed to the unit, shall be considered unverified and installed in accordance with CAN/CSA-B365 "Installation Code for Fuel Burning Appliances and Equipment". CAN/CSA-B365 also provides for shielding requirements which may be installed to reduce clearances to combustibles by up to 67 percent.

## **FIREPLACES**

Construction of masonry Fireplaces and their chimney shall comply with section 9.21 & 9.22 of the Ontario Building Code.

Fireplace inserts and hearth mounted stoves vented through the throat of a fireplace shall comply with/to CAN/ULC S628 and their installation shall conform to CAN/CSA-B365.

Factory built fireplaces must be ULC certified to CAN/ULC-610, A Standard for Factory Built Fireplaces, and must be installed as per the manufacturer's instructions.

## **CHIMNEYS**

Certified woodstoves dictate the size and type of chimney required for their installation. Pre-manufactured stainless steel chimneys with a clay tile, firebrick, or metal liner may also be used when permitted by the woodstoves certification or where an uncertified woodstove is used.