

Solid Fuel Burning Appliances

This information package is intended to help you, the homeowner or contractor, to better understand the procedures in obtaining a building permit and other approvals which may be required.

A construction permit is required for the installation of a wood stove, wood burning appliance or furnace, or fire place.

Forms To Be Submitted

Completed forms to be submitted:

1. (2) copies of a floor plan of the room in which the woodstove or fireplace is to be installed.
2. (2) copies of the manufacturer s installation instructions for:
 - the woodstoves or fireplace
 - the chimney
 - the stove pipe

***Note:** If you are doing a renovation, addition, or other construction at the same time, only one construction permit is required. Your application and drawings will be checked for compliance with the Ontario Building Code, and other applicable regulations. When the above has been completed, you will be issued a construction permit.

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.

Building Permits

A building permit is required for any installation of a wood burning appliance, ie. masonry fireplace, factory built fireplace, certified woodstove, uncertified wood stove, etc.

The documents that are required for the issuance of a building permit are as follows:

1. **Floor Plan** of the room in which the appliance is being installed, showing where in the room the appliance is being placed, the size of the floor protection (hearth), and in the case of a woodstove, the proposed clearances i.e. the distances from the appliance to combustible framing.

2. **Cross Section** showing the entire assembly from top to bottom and detailing clearances for the appliance & chimney and height of the chimney above the roof.
3. **Installation instructions** are required to be submitted for all ULC listed woodstoves, pre-fabricated fireplaces and inserts and factory built chimneys, steel liners and chimney accessories.



Installation Requirements

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)

Any woodstove which has been tested by an agency other than the above-mentioned shall be considered unlisted.

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.

Woodstoves

Woodstoves which are U.L.C. certified have been tested to U.L.C. S627/C.S.A. B366.2 A Standard for Space Heaters for use with Solid Fuels, and must be installed as per manufacturers instructions and Section 9.33.1.2 of the Ontario Building Code. Any discrepancies between the actual installation and the manufacturers instructions will render the certification void. Any reduction in clearances must be done with shielding as described in CAN3-B365, A Installation Code for Solid Fuel Burning Appliances and Equipment .

Woodstoves which have not been tested to U.L.C. S627/C.S.A. B366.2, A Standard for Space Heaters for Use with Solid Fuels , are considered unlisted and must be installed as per CAN-B365, A Installation Code for Solid Fuel Burning Appliances and Equipment , and Section 9.33.1.2 of the Ontario Building Code.

Fireplaces

Recent studies have shown that fireplaces burn excess inside air which causes back draft in other fuel fired appliances in the house. Because this back draft can pull unburned gases (the most dangerous of which is carbon monoxide) back

into the house, the Ontario Building Code has made it a requirement that a supply of outside combustion air be provided to fireplaces. Section 9.22.1.4 of the Ontario Building Code outlines the specifications required.

Factory built fireplaces must be U.L.C. certified to U.L.C.-610, A Standard for Factory Built Fireplaces , and must be installed as per the manufacturers instructions.

Masonry fireplaces must be constructed as per the specifications set out in Section 9.22 of the Ontario Building Code.

For more information on the installation of your wood burning appliance, please refer to Part 9 of the Ontario Building Code and contact a certified dealer in your area.