

TOWN WHERE A U.S. FLAG WAS FIRST  
RAISED OVER A PUBLIC SCHOOL. MAY, 1812

## Building Inspector Town of Colrain

55 Main Road  
Colrain, MA 01340

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Fax 413-624-8852  
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### Application for Solid Fuel Stove, Chimney, or Fireplace

Permit Fee \$15.00 Payable to: Town of Colrain

**To the Building Inspector:** The undersigned hereby applies for a permit to **INSTALL SOLID FUEL BURNING EQUIPMENT** in or for a building according to the following specifications:

Location of Building	No. _____ Street _____ Map _____ Lot _____ Zone _____
Use Group	Principal use of the building:

#### Application to Install

Estimated Cost: \$ \_\_\_\_\_

- |   |  |
|---|--|
| <input type="checkbox"/> Wood Stove                                       | <input type="checkbox"/> Solid Fuel Boiler |
| <input type="checkbox"/> Pellet Stove                                     | <input type="checkbox"/> Chimney           |
| <input type="checkbox"/> Fireplace – <i>Provide Plan with Application</i> |  |

In the following Location: \_\_\_\_\_

**PERMIT:** The installation of a solid fuel appliance must conform to the provisions of the Massachusetts State Building code 8<sup>th</sup> edition and manufacturer's recommended procedures.

*The required permit and inspection is limited to the stove installation and not to the stove construction.*

- LABEL:** Every new solid fuel stove to be installed in Massachusetts must be labeled as having been tested by a laboratory accredited by the State Building Code (Sect. 6007, 1 & 2)
- USED APPLIANCES:** may be installed provide that the installation conforms with Section 6007.14 and the clearances required by Table 6007.11 (see Information Page for reduced clearances)
- CHIMNEYS & VENTS (General):** Every solid fuel stove installed shall exhaust to the exterior by either a complying existing chimney, new chimney or approved venting system.

Mass Building Code 8<sup>th</sup> Edition (780 CMR) Chapter 60.00 may be found at [www.mass.gov/DPS-Building](http://www.mass.gov/DPS-Building) Code

<b>OWNER'S NAME &amp; ADDRESS</b>	<b>PHONE#</b>
<b>BUILDING'S NAME &amp; ADDRESS</b>	<b>CSL#</b>
	<b>HIC#</b>
	<b>PHONE</b>

To owner of this building and the undersigned agree to conform to the Building Code and applicable laws of the Town.  
Signature of Authorized Agent or Owner.

\_\_\_\_\_  
Signature of Authorized Agent

\_\_\_\_\_  
Signature of Owner

# SOLID FUEL STOVE INSTALLATION CHECKLIST

*COMPLETE THE INSTALLATION CHECKLIST AND RETURN WITH THE APPLICATION*

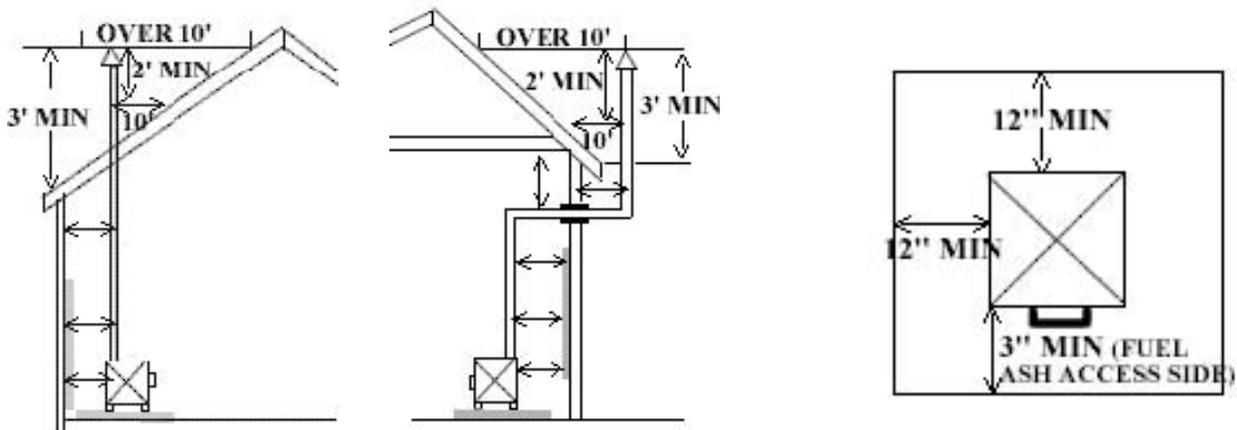
**Stove**

- A. Fuel \_\_\_\_\_ New \_\_\_\_\_ Used \_\_\_\_\_
- B. Type: Radiant \_\_\_\_\_ Circulating \_\_\_\_\_
- C. Manufacturer \_\_\_\_\_ Lab. No. \_\_\_\_\_
- D. Name or Model No. \_\_\_\_\_ Flue Collar size \_\_\_\_\_
- E. Dimensions: Height \_\_\_\_\_ Length \_\_\_\_\_ Width \_\_\_\_\_

**Chimney or Vent**

- A. New \_\_\_\_\_ Existing \_\_\_\_\_
- B. Flue Size(s) (flue area) \_\_\_\_\_
- C. Type  
Masonry \_\_\_\_\_ Flue liner \_\_\_\_\_  
Prefab \_\_\_\_\_ (Manufacturer's name) \_\_\_\_\_ type \_\_\_\_\_
- D. Height (refer to diagrams or installation instructions) \_\_\_\_\_ cap \_\_\_\_\_
- C. Are other appliances attached to flue (Number and collar sizes) \_\_\_\_\_

**CHIMNEY HEIGHT    HEARTH**

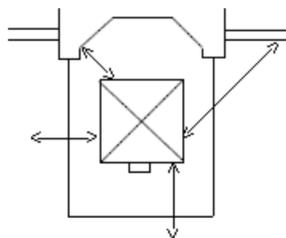


**Hearth (non-combustible)**

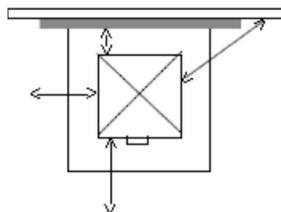
- A. Materials \_\_\_\_\_
- B. Sub-floor construction \_\_\_\_\_
- C. Minimum dimensions (refer to diagram)  
Front \_\_\_\_\_ Side(s) \_\_\_\_\_ Rear \_\_\_\_\_

**Clearances and Wall Protection** (see stove installation clearances chart)

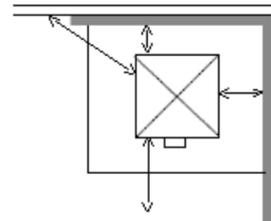
- A. Type of wall protection provided \_\_\_\_\_
- B. Clearances (refer to diagrams)  
Front \_\_\_\_\_ Side(s) left \_\_\_\_\_, right \_\_\_\_\_ Rear \_\_\_\_\_



**FIREPLACE**



**CORNER**



**WALL/CENTER**

## PERMIT & INSPECTION POLICIES

- All Solid Fuel burning devices must be inspected.
- Permit Cards will be issued at the time of inspection.
- Please arrange for inspection at the time of application or upon completion of the installation.
- Any installation not having requested an inspection within 6 months of application will be voided.
- Fireplaces require a “throat” inspection prior to enclosing the smoke chamber.
- Chimneys require a footing inspection.

**780 CMR TABLE 6007.6.1<sup>1,2</sup>**  
**CHIMNEY AND/OR VENT CONNECTOR**  
**CLEARANCES TO COMBUSTIBLE**  
**MATERIALS/SOLID FUEL-BURNING**  
**APPLIANCES ONLY**

DESCRIPTION OF APPLIANCE	CONNECTOR TYPE	MINIMUM CLEARANCE (in)	MINIMUM CLEARANCE (mm)
Residential-type appliances	Single-wall metal pipe connector	18	457
Residential-type appliances	Type L vent piping connector	9	229
Low-heat appliances boilers, furnaces, water heaters	Single-wall metal pipe connector	18	457
Medium-heat appliances	Single-wall metal pipe connector	36	914
High-heat appliances	Masonry or metal connector	Note 3	Note 3

1. For greater detail and guidance, refer to NFPA 211, Section 6-5.
2. For chimney connectors tested and listed for other clearances to combustibles, such tested, listed clearances shall apply.
3. Clearances shall be based on engineering calculations and good engineering practice. Refer to NFPA 211, Section 6-5.6007.7 Chimney flue size. For solid fuel-burning comfort heating appliances for one- and two-family use, the cross-sectional area of the flue shall not be less than the cross-sectional area of the appliance flue collar. The cross-sectional area of the flue shall not be more than three times the cross-sectional area of the flue collar of the appliance.

**780 CMR TABLE 6007.11<sup>1,2,3</sup>**  
**STANDARD CLEARANCES TO COMBUSTIBLES FOR SOLID FUEL-BURNING APPLIANCES**

APPLIANCE TYPE	CLEARANCE ABOVE TOP OF APPLIANCE (inches)	CLEARANCE FROM FRONT OF APPLIANCE (inches)	CLEARANCE FROM BACK OF APPLIANCE (inches)	CLEARANCE FROM SIDES OF APPLIANCE (inches)
Room heaters; fireplace stoves; combination	36	36	36	36

For SI: 1 inch = 25.4 mm.

1. For reduced clearance requirements, see 780 CMR 6007.11.1
2. Adequate clearance for maintenance and cleaning shall be provided.
3. Provisions for solid fuel storage—solid fuel shall not be stored any closer than 36 inches from the sides, front or back of the solid fuel-burning appliance.

Table 12.6.2.1 Reduction of Appliance Clearance with Specified Forms of Protection

Clearance Reduction Applied to and Covering All Combustible Surfaces within the Distance Specified as Required Clearance with No Protection (See 12.6.1 through 12.6.1.3)	Maximum Allowable Reduction in Clearance (%)		Minimum Clearance			
	As Wall Protector	As Ceiling Protector	As Wall Protector		As Ceiling Protector	
			in.	mm	in.	mm
(a) 3½ in. (90 mm) thick masonry wall without ventilated air space	33	—	24	610	—	—
(b) ½ in. (13 mm) thick noncombustible insulation board over 1-in. (25.4-mm) glass fiber or mineral wool batts without ventilated air space	50	33	18	457	24	610
(c) 0.024-in. (0.61-mm), 24-gauge sheet metal over 1-in. (25.4-mm) glass fiber or mineral wool batts reinforced with wire, or equivalent, on rear face with ventilated air space	66	50	12	305	18	457
(d) 3½ in. (90 mm) thick masonry wall with ventilated air space	66	—	12	305	—	—
(e) 0.024-in. (0.61-mm), 24-gauge sheet metal with ventilated air space	66	50	12	305	18	457
(f) ½ in. (13 mm) thick noncombustible insulation board with ventilated air space	66	50	12	305	18	457
(g) 0.024-in. (0.61-mm), 24-gauge sheet metal with ventilated air space over 0.024-in. (0.61-mm), 24-gauge sheet metal with ventilated air space	66	50	12	305	18	457
(h) 1-in. (25.4-mm) glass fiber or mineral wool batts sandwiched between two sheets 0.024-in. (0.61-mm), 24-gauge sheet metal with ventilated air space	66	50	12	305	18	457

## Notes:

- All clearances and thicknesses are minimums; larger clearances and thicknesses may be permitted.
- To calculate the minimum allowable clearance, the following formula can be used:  $C_p = C_{un} (1 - R/100)$ .  $C_p$  is the minimum allowable clearance,  $C_{un}$  is the required clearance with no protection, and  $R$  is the maximum allowable reduction in clearance.
- Refer to Figures 12.6.2.1(e) and 12.6.2.1(f) for other reduced clearances using materials found in (a) through (h) of this table.