

**City of Portland, Maine - Building or Use Permit Application**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 08-0959	Issue Date: 8/11/08	CBL: 135 D008001
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Location of Construction: 22 NEW ST	Owner Name: REVIE BRUCE H & CATHERINE	Owner Address: 22 NEW ST	Phone:
Business Name:	Contractor Name: Bobs Hearth Service /Robert Dodge	Contractor Address: 35 Hemlock Cove Road Hollis	Phone: 2073188861
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-5

Past Use: Single Family Home	Proposed Use: Single Family Home - Install a Harman Accentra - 2 Pellet Stove	Permit Fee: \$30.00	Cost of Work: \$350.00	CEO District: 5
Proposed Project Description: Install a Harman Accentra - 2 Pellet Stove  <i>legal use: single family dwelling</i>		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R-3 Type: 5B IMC-2007 NFPA Signature: <i>CU</i> 8/14/08	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____		

Permit Taken By: ldobson	Date Applied For: 08/05/2008	<b>Zoning Approval</b>
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.  2. Building permits do not include plumbing, septic or electrical work.  3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied
	Date: <i>8/12/08</i>	Date: _____	Date: _____

AUG 14 2008

**CERTIFICATION**

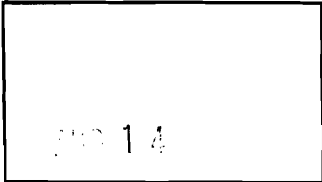
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE



FILL IN AND SIGN WITH INK

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL B5-D-8 Use of Building \_\_\_\_\_ Date \_\_\_\_\_  
 Name and address of owner of appliance Bruce Revic  
22 New St Portland ME 04103  
 Installer's name and address BOB Hearth Service  
Hollis ME Telephone 3188861

**Location of appliance:**  
 Basement  Floor  
 Attic  Roof

**Type of Fuel:**  
 Gas  Oil  Solid

**Appliance Name:** Harmco  
 U.L. Approved  Yes  No

Will appliance be installed in accordance with the manufacture's installation instructions?  Yes  No

IF NO Explain: \_\_\_\_\_

**The Type of License of Installer:**  
 Master Plumber # \_\_\_\_\_  
 Solid Fuel # \_\_\_\_\_  
 Oil # \_\_\_\_\_  
 Gas # X PNT 3738  
 Other \_\_\_\_\_

**Type of Chimney:**  
 Masonry Lined  
 Factory built Type L pellet pipe  
 Metal  
 Factory Built U.L. Listing # \_\_\_\_\_  
 Direct Vent  
 Type \_\_\_\_\_ UL# \_\_\_\_\_

**Type of Fuel Tank**  
 Oil  
 Gas

**Size of Tank** \_\_\_\_\_

**Number of Tanks** \_\_\_\_\_

**Distance from Tank to Center of Flame** \_\_\_\_\_ feet.

**Cost of Work:** \$ 350.00  
**Permit Fee:** \$ 30

**Approved** \_\_\_\_\_ **Approved with Conditions**  See attached letter or requirement

Fire: \_\_\_\_\_  
 Ele.: \_\_\_\_\_  
 Bldg.: \_\_\_\_\_

Signature of Installer Robert Dodge Inspector's Signature [Signature] Date Approved 8/14/08

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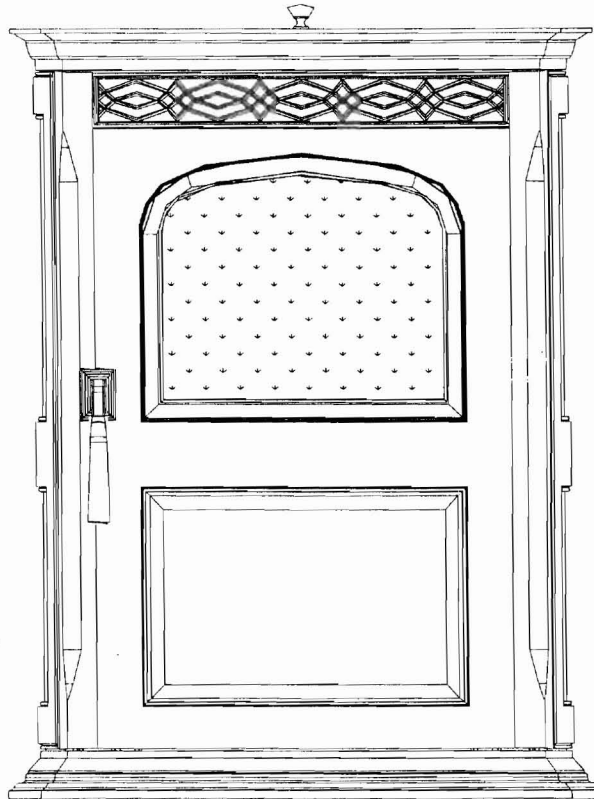
<b>Location of Construction:</b> 22 NEW ST	<b>Owner Name:</b> REVIE BRUCE H & CATHERINE	<b>Owner Address:</b> 22 NEW ST	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Bobs Hearth Service /Robert Dodge	<b>Contractor Address:</b> 35 Hemlock Cove Road Hollis	<b>Phone</b> (207) 318-8861
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> HVAC	

<b>Proposed Use:</b> Single Family Home - Install a Harman Accentra - 2 Pellet Stove	<b>Proposed Project Description:</b> Install a Harman Accentra - 2 Pellet Stove
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<b>Dept:</b> Zoning	<b>Status:</b> Approved	<b>Reviewer:</b> Marge Schmuckal	<b>Approval Date:</b> 08/12/2008
<b>Note:</b>	<b>Ok to Issue:</b> <input checked="" type="checkbox"/>		
<b>Dept:</b> Building	<b>Status:</b> Approved with Conditions	<b>Reviewer:</b> Chris Hanson	<b>Approval Date:</b> 08/14/2008
<b>Note:</b>	<b>Ok to Issue:</b> <input checked="" type="checkbox"/>		
1) Prior to installing the solid fuel appliance, the product information which includes the UL listing shall be submitted. The heating unit shall be installed per the Listing, NFPA 211, IMC 2003 and the manufacturers instructions.			
2) Installation shall comply with 2003 International Mechanical Code and State of Maine Oil and Solid Fuel Board Laws and Rules			

# Installation & Operating Manual

## The Harman Accentra-2 Pellet Stove



"Ce manuel est disponible en Français sur demande"

R1

### SAFETY NOTICE

PLEASE READ THIS ENTIRE MANUAL BEFORE YOU INSTALL AND USE YOUR NEW ROOM HEATER. FAILURE TO FOLLOW INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, BODILY INJURY, OR EVEN DEATH.

FOR USE IN THE U.S. AND CANADA. SUITABLE FOR INSTALLATION IN MOBILE HOMES

IF THIS HARMAN ACCENTRA PELLET STOVE IS NOT PROPERLY INSTALLED, A HOUSEFIRE MAY RESULT. FOR YOUR SAFETY, FOLLOW INSTALLATION DIRECTIONS.

CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION REQUIREMENTS IN YOUR AREA.

CONTACT YOUR LOCAL AUTHORITY (SUCH AS MUNICIPAL BUILDING DEPARTMENT, FIRE DEPARTMENT, FIRE PREVENTION BUREAU, ETC.) TO DETERMINE THE NEED FOR A PERMIT.

CETTE GUIDE D'UTILISATION EST DISPONIBLE EN FRANCAIS. CHEZ VOTRE CONCESSIONNAIRE DE HARMAN STOVE COMPANY.

**SAVE THESE INSTRUCTIONS.**

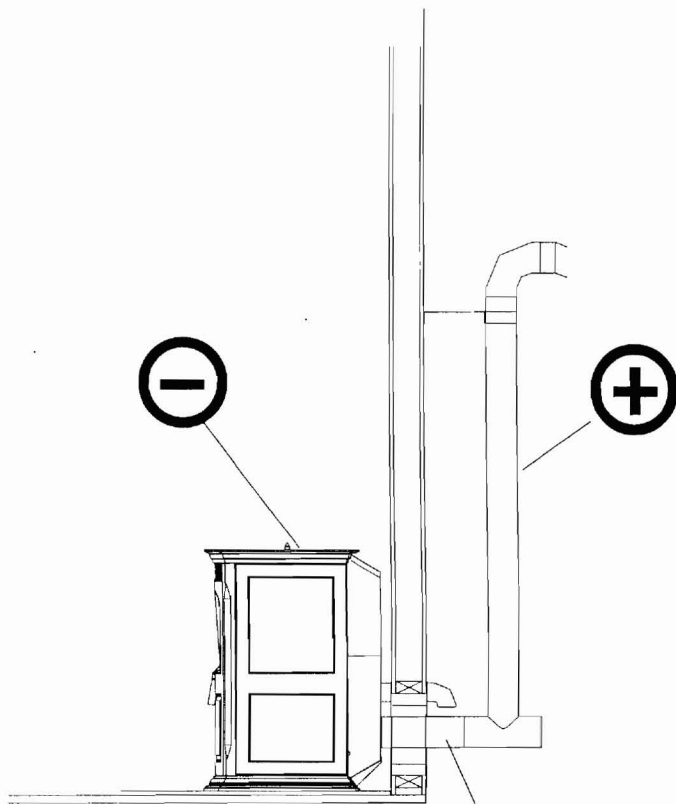


Fig. 22

⊕ = Positive static pressure  
 ⊖ = Negative static pressure

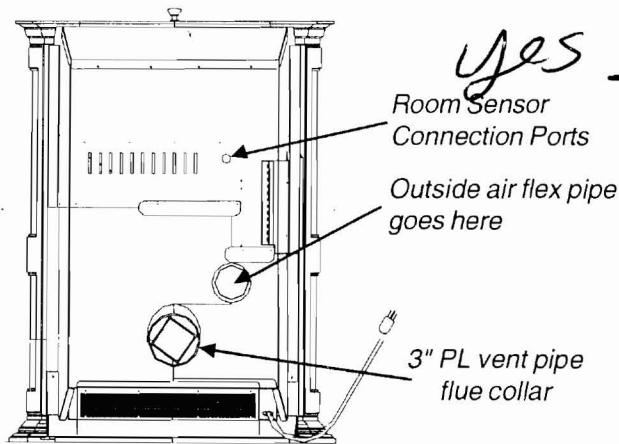


Fig. 23

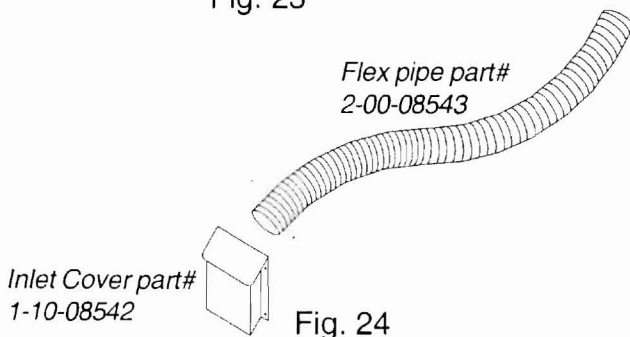


Fig. 24

A combustion blower is used to extract the combustion gases from the firebox. This causes a negative pressure in the firebox and a positive pressure in the venting system as shown in fig. 22. The longer the vent pipe and more elbows used in the system, the greater the flow resistance. Because of these facts we recommend using as few elbows as possible and 15 feet or less of vent pipe. The maximum horizontal run should not exceed 48". If more than 15 feet of pipe is needed, the diameter should be increased from 3" to 4" because a larger pipe causes less flow resistance. **Be sure to use approved pellet vent pipe wall and ceiling pass-through fittings to go through combustible walls and ceilings.** Be sure to use a starting collar to attach the venting system to the stove. **The starting collar must be sealed to the stove with high temp silicone caulking.**

## Vent Pipe

Pellet venting pipe ( also known as PL vent ) is constructed of two layers with air space between the layers. This air space acts as an insulator and reduces the outside surface temperature to allow a clearance to combustibles of only 3 inches. The sections of pipe lock together to form an air tight seal in most cases; however, in some cases a perfect seal is not achieved. For this reason and the fact that the Accentra operates with a positive vent pressure, **we specify that the joints also be sealed with clear silicone.**

## Outside Air

Outside air is optional except in mobile homes and where building codes require. The benefit of outside air is mainly noticed in small, very tight houses.

To install outside air use 2 3/8" I.D. flex pipe part number 2-00-08543. There is a break-away hole on the rear panel which must be removed before connecting the flex pipe. The pipe should be run outside and terminate to the side or below the vent pipe outlet so the flue outlet is more than 12" from the inlet cover. The maximum length run of this pipe is 15 feet. If a longer run is needed, the size must be increased to 3". Inlet cover part number 1-10-08542 should be used to keep birds, rodents, etc.out of pipe.

## HRV

When installing in a house with a Heat Reclaiming Ventilation System (HRV) be sure the system is balanced and is not creating a negative pressure in the house.

When installing and operating your Harman Accentra Pellet Stove, respect basic safety standards. Read these instructions carefully before you attempt to install or operate the Accentra. Failure to do so may result in damage to property or personal injury and may void the product warranty.

Consult with your local building code agency and insurance representative before you begin your installation to ensure compliance with local codes, including the need for permits and follow-up inspections.

Several issues must be addressed when selecting a suitable location for your Accentra Pellet Stove. Observing required clearances to combustible materials, the proximity to a safe chimney or venting system, and the accessibility of electrical supply must all be considered. In addition, selecting a location that takes advantage of the building's natural air flow is also desirable to maximize the heating effectiveness of the heater. In many cases, this is a central location within the building.

Adequate combustion and ventilation air must be provided. The Accentra pellet stove is capable of being installed with a 100% outside air combustion system. See Page 14 about venting.

Place the stove on a noncombustible floor surface. If the floor surface is made of a combustible material, (such as carpet, vinyl or wood), a noncombustible material must be installed between the bottom of the unit and the floor. This can be a minimum of a 20 gauge sheetmetal plate, ceramic tile with grouted joints, a UL listed stove board, or a Harman Cast Iron floor protector<sup>1</sup>. The Harman Cast Iron Floor Protector is equal to the minimum dimensions, which are 24<sup>1</sup>/<sub>16</sub> x 28<sup>5</sup>/<sub>8</sub><sup>1</sup>. This allows for a 2" extension on each side of the unit and a 6" extension to the front of the ash opening (3<sup>3</sup>/<sub>8</sub><sup>1</sup> if measured from the base plate front edge.) The rear edge of the floor protection can be flush with the cast base plate rear edge.

Place the stove away from combustible walls at least as far as shown in figures 10, 11, 12, & 13

Note that the clearances shown are minimum for safety but do not leave much room for access when cleaning or service is needed.

## AFTER THE INSTALLATION IS COMPLETED

Before the first fire is lit, check and record the high and low draft reading numbers on page 12. Make adjustments to the low draft at this time, if necessary.

**CAUTION**  
 The stove is hot while in operation.  
 Keep children, clothing and furniture away.  
 Contact may cause skin burns.

1. Check your local codes to see if protection is required under the flue pipe.
2. This measurement equals 6" from inside edge of ash door opening.
3. 5" pipe clearance to wall in a corner installation.

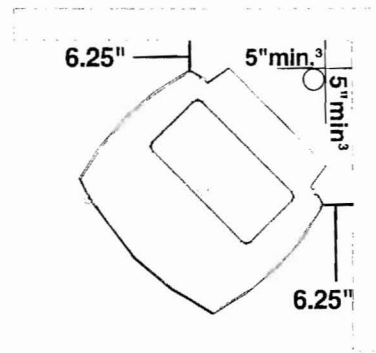


Fig. 10

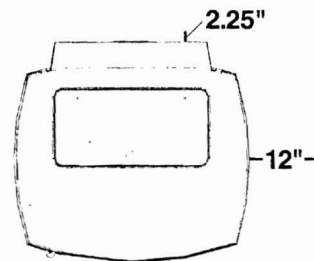


Fig. 11

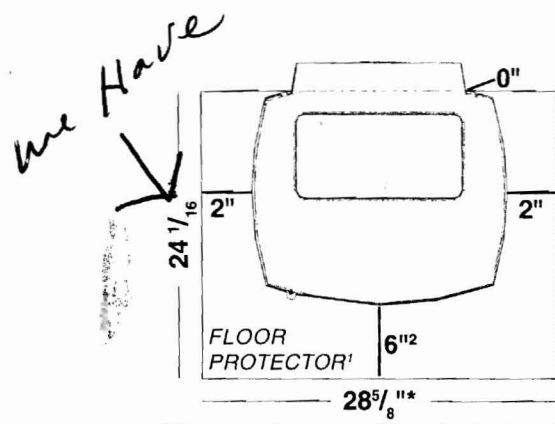


Fig. 12

(\*Harman Cast Iron Floor Protector size)

*This is the minimum size Harman recommends for the alcove with a 60" ceiling.*

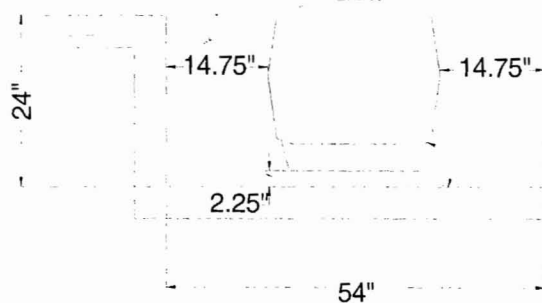


Fig. 13

NEW STREET

Window



STONE will be INSTALLED ON RT. SIDE OF HOUSE APPROX. 2' PAST WINDOW (REQUIRING OUTSIDE AIR VENT.) IT WILL BE PLACED ON AN APPROX 42" X 45" APPROVED FLOOR PROTECTOR. IT WILL BE VENTED AS IN FIG 25 OF PAGE 15.

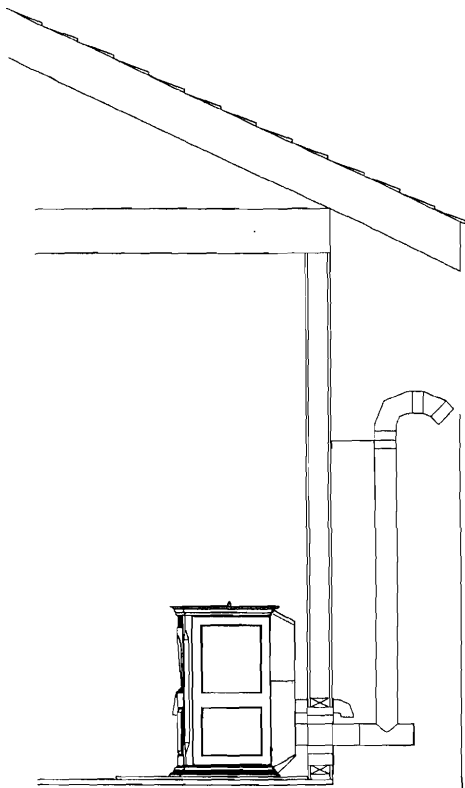


Fig.25

3 ft.  
to  
combustibles

*yes* →

## #1 Preferred method

This method provides excellent venting for normal operation and allows the stove to be installed closest to the wall. Two and a half inches from the wall is safe; however, three inches allows better access to remove the rear panel. The vertical portion of the vent should be three to five feet high. This vertical section will provide natural draft in the event of a power failure.

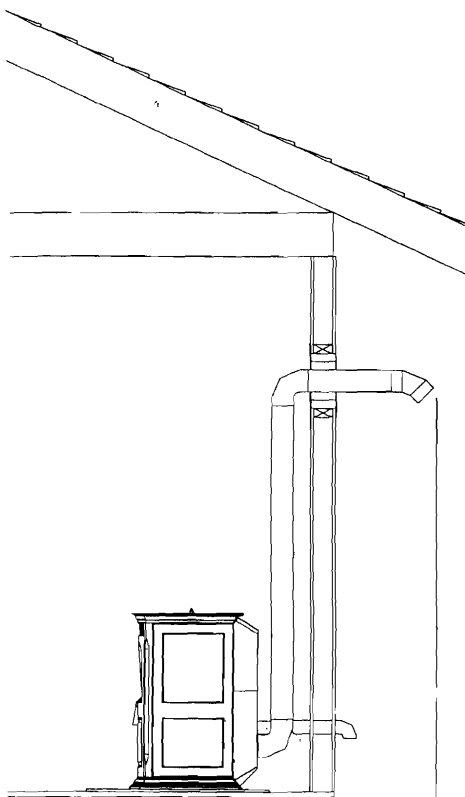


Fig.26

3 ft.  
to  
combustibles

## #2 Preferred method

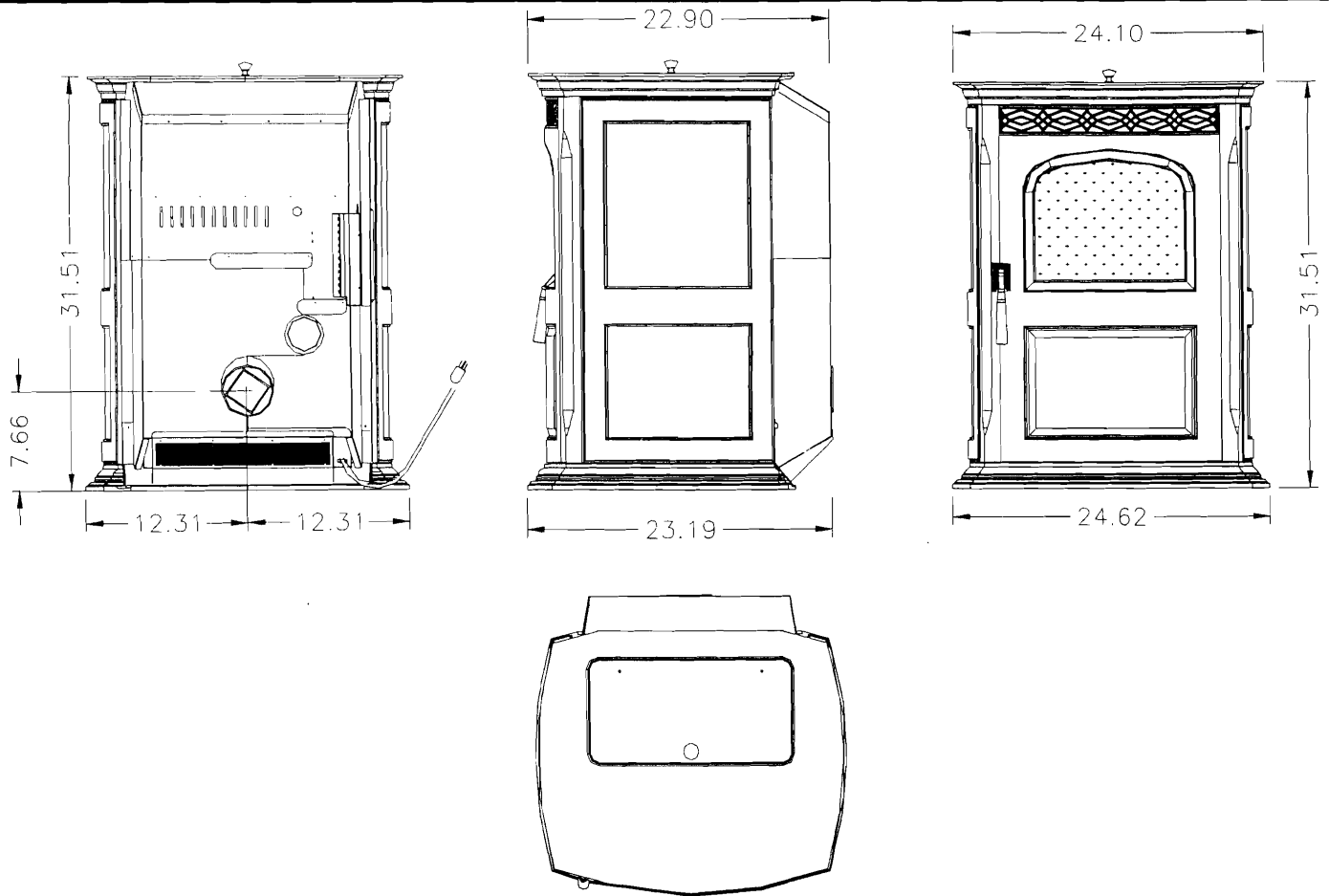
This method also provides excellent venting for normal operation but requires the stove to be installed farther from the wall. The vertical portion of the vent should be three to five feet high and at least three inches from a combustible wall. This vertical section will provide natural draft in the event of a power failure.

### CAUTION

KEEP COMBUSTIBLES (SUCH AS GRASS, LEAVES, ETC.) AT LEAST 3 FEET AWAY FROM THE FLUE OUTLET ON THE OUTSIDE OF THE BUILDING.



# Specifications



<b>Weight</b>	<b>350 lbs.</b>
<b>Blower</b>	<b>150 cfm</b>
<b>Hopper Capacity</b>	<b>50 lbs.</b>
<b>Fuel</b>	<b>Wood Pellets</b>
<b>Outside Air Size</b>	<b>2 3/8 inches</b>
<b>Fuse Rating</b>	<b>5 amp</b>
<b>BTU Range</b>	<b>0 to 40,000</b>
<b>Feed Rate</b>	<b>.75 lbs./hr. on minimum(on maintenance)</b> <b>5 lbs./ hr. on maximum</b>
<b>Flue Size</b>	<b>3 inch Pellet Vent Pipe</b>
<b>Maximum Wattage</b>	<b>440 Watts (Start cycle and test)</b>
<b>Start Cycle Wattage</b>	<b>340 Watts</b>
<b>Normal Run Wattage</b>	<b>255 Watts</b>

**BUILDING PERMIT INSPECTION PROCEDURES**

Please call 874-8703 or 874-8693 (ONLY)

to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

  X   Footing/Building Location Inspection: Prior to pouring concrete or setting precast piers

  X   Foundation Inspection: Prior to placing ANY backfill for below grade occupiable space


  X   Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling

  X   Final inspection required at completion of work.

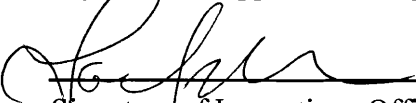
Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.

  
\_\_\_\_\_  
Signature of Applicant/Designee

  7/8/08    
Date

  
\_\_\_\_\_  
Signature of Inspections Official

  9.8.08    
Date