

City of Portland, Maine - Building or Use Permit Application

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

PERMIT ISSUED

Permit No: 05-1454	Issue Date: NOV 15 2005	CBL: 182A A023001
-----------------------	----------------------------	----------------------

Location of Construction: 739 BRIGHTON AVE	Owner Name: GALLANT EDWIN M & JANICE	Owner Address: 739 BRIGHTON AVE CITY OF PORTLAND	Phone:
Business Name:	Contractor Name: Home owner	Contractor Address: Portland	Phone:
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone:

Past Use: Single Family Home	Proposed Use: Single Family Home/ install a pellet burning Englander Stove in basement	Permit Fee: \$39.00	Cost of Work: \$1,200.00	CEO District: 5
Proposed Project Description: install a pellet burning Englander Stove in basement		FIRE DEPT: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied Signature: <i>N/A</i>	INSPECTION: Use Group: <i>U</i> Type: <i>HVAC</i> Signature: <i>[Signature]</i>	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input checked="" type="checkbox"/> Denied Signature: _____ Date: _____		

Permit Taken By: Idobson	Date Applied For: 09/29/2005	Zoning Approval
-----------------------------	---------------------------------	------------------------

- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- 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"/> Date: _____	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 Date: _____	Historic Preservation <input 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: _____
---	---	---

CERTIFICATION

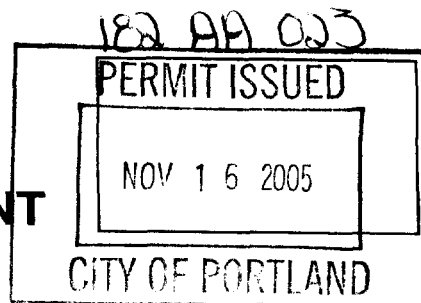
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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 182A-A-023-001/SF Use of Building Resident Date 9/28/05
 Name and address of owner of appliance EDWIN M GALLANT
739 BRIGHTON AVE. PORTLAND ME 04102
 Installer's name and address ED GALLANT
 Telephone 761-9264

Location of appliance:

- Basement Floor
 Attic Roof

Type of Fuel:

- Gas Oil Solid

Appliance Name:

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 # _____
 Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
 Gas

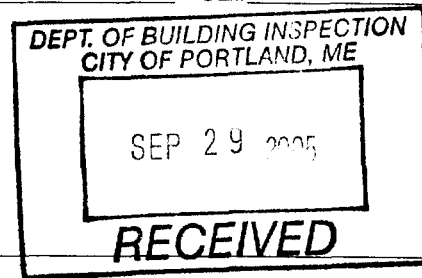
Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 1200.00

Permit Fee: \$ _____



Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature _____

Date Approved _____

Signature of Installer _____

White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy

#2843

City of Portland, Maine - Building or Use Permit

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

Permit No: 05-1454	Date Applied For: 09/29/2005	CBL: 182A A023001
------------------------------	--	-----------------------------

Location of Construction: 739 BRIGHTON AVE	Owner Name: GALLANT EDWIN M & JANICE	Owner Address: 739 BRIGHTON AVE	Phone:
Business Name:	Contractor Name: Home owner	Contractor Address: Portland	Phone:
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

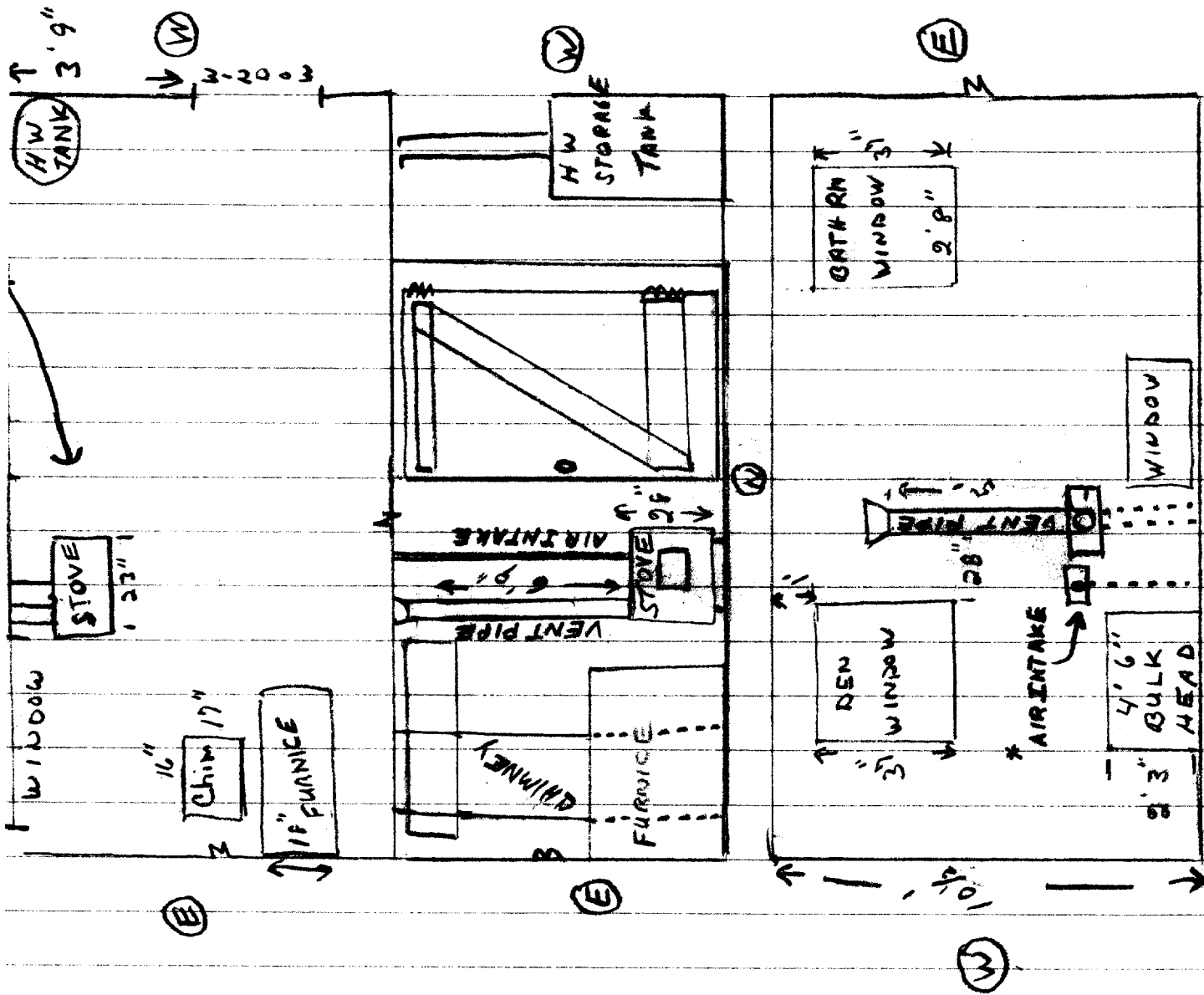
Proposed Use: Single Family Home/ install a pellet burning Englander Stove in basement	Proposed Project Description: install a pellet burning Englander Stove in basement
--	--

Dept: Zoning **Status:** Approved **Reviewer:** Tammy Munson **Approval Date:** 11/15/2005
Note: **Ok to Issue:**

Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 11/15/2005
Note: **Ok to Issue:**

1) The installation must be in compliance with the manufacturers specifications.





739 BRIGHTON AVE N
 * 3' ABOVE GROUND Level
 SCALE 1" = 1'
 EDWIN GALLANT
 9/29/05

INSTALLATION & OPERATION MANUAL

MODEL NUMBERS: 25-PDVC, 55-SHP10, and 55-TRP10

Thank you for purchasing this product from a fine line of heating equipment. We wish you many years of safe heating pleasure with your new heating appliance.

Save These Instructions.

IMPORTANT: IF YOU HAVE A PROBLEM WITH THIS UNIT DO NOT RETURN IT TO THE DEALER. CONTACT CUSTOMER SERVICE @ 1-800-245-6489.

Mobile Home Use:

These freestanding pellet units are approved for mobile home or doublewide installation with outside combustion air hook-up. See "Flue System" section of manual.

Mobile home installation should be in accordance with the Manufactured Home and Safety Standard (HUD), CFR 3280, Part 24.

WARNING: Do Not Install in Sleeping Room

CAUTION: The structural integrity of the mobile home floor, wall and ceiling/roof must be maintained.

Please Note the Following Precautionary Statements:

NOTE: WE DO NOT RECOMMEND PELLET STOVES AS YOUR ONLY SOURCE OF HEAT.

England's Stove Works highly recommends the use of smoke detectors and Carbon Monoxide detectors with any hearth product, including this unit. Follow all manufacturer's instructions when using smoke or Carbon Monoxide detectors.

CAUTION: Please read this entire manual before installation and use of this pellet fuel burning room heater.

Keep children, furniture, fixtures and all combustibles away from any heating appliance.

WARNING: USE OF OUTSIDE AIR IS MANDATORY WITH THIS UNIT.

DO NOT OPERATE UNIT WITH HOPPER OPEN. LID MUST BE SHUT AND TIGHTLY SECURED.

DO NOT OPERATE WITH DOOR OPEN

SAFETY NOTICE

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN PROPERTY DAMAGE, BODILY INJURY OR EVEN DEATH. FOR YOUR SAFETY AND PROTECTION, FOLLOW ALL THE INSTALLATION INSTRUCTIONS. CONTACT YOUR LOCAL BUILDING OR FIRE OFFICIALS FOR RESTRICTIONS AND INSTALLATION INSPECTION REQUIREMENTS (INCLUDING PERMITS) IN YOUR AREA.

Questions? Need Parts or Options? www.englishstoveworks.com



Rev. 10/05

A letter from our Technical Support department:

Thank you for purchasing this fine product from England's Stove Works!

England's Stove Works was started, and is still owned by, a family that believes strongly in a "Do It Yourself" spirit – that's one reason you found this product at your favorite "Do It Yourself" store.

We intentionally design and build our stoves so that any homeowner can maintain his or her unit with basic tools, and we're always more than happy to show you how to do the job as easily and as inexpensively as possible.

From our free, downloadable service sheets; to our Pellet Service Video; to our new "wizard-style," click-through Troubleshooting guide on our web site, we have always tried to help our customers stay "heat-ready," especially when oil and electricity prices continue to skyrocket.

Please look at our vast Help section on our web site and call our Customer Service department at (800) 245-6489 if you need any help with your unit. We are nearly always able to help "walk you through" any repairs, problems or questions you may have.

PLEASE NOTE: While information obtained on our web site and through our 800 number is always free of charge, there will be a service charge incurred with any "on-site" repairs or maintenance that we may arrange.

Wishing you years of efficient, quality and "comfy" heating,
England's Stove Works
Technical Support Department

www.englanderstoves.com

(800) 245-6489

<p>IF YOU HAVE A PROBLEM WITH THIS UNIT DO NOT RETURN IT TO THE DEALER. CONTACT CUSTOMER SERVICE at 1 (800) 245-6489.</p>

IMPORTANT INFORMATION

1. Check local installation codes for your area. Call your Homeowner's Insurance representative for inspection of your stove's installation.
2. Read and comply with the instructions in this manual.
3. This unit should be tested (dry run) before loading pellets for 20 minutes. The stove should automatically shut itself off after the 20-minute dry run.
4. **Your stove is designed to burn Premium Pellets.** Pellets with high ash content will burn dirty and require the unit to be cleaned more often.
5. Be sure your pellets are not damp or wet. Keep sawdust out of the unit.
6. Use three-inch (3") U.L.-approved PELLET VENT TWIST-LOCK PIPE when installing this stove and follow the manufacturer's specifications for installation and clearances (we highly recommend Simpson Dura-Vent pellet twist-lock pipe). Even though this pipe interlocks, it is a good idea to seal all connections with high temperature silicone. Use at least three screws to secure the pipe to this unit's exhaust blower. Also, if you do not use U.L.-approved twist-lock pellet pipe, be sure to use U.L.-approved Pellet Vent pipe, and fasten each joint of the pipe with at least three screws.
7. Outside combustion air is mandatory for these units to work properly. Make this connection using a 1 1/8" I.D. metal pipe (steel, aluminum or copper) and coupler. Be sure to secure the pipe to the unit with a clamp or aluminum tape. The outside end should be covered (screened) to prevent any foreign matter from entering the system. Try to keep the number of bends in this pipe to a minimum. Our Part Number PU-OAK (Outside Air Kit with flex pipe) can be used. It can be purchased from your dealer, or by calling (800) 516-3636 or logging on to www.englandsstoveworks.com. NOTE: If an older unit, measure the opening to determine what size pipe to use. NOTE: If the total run of the connection exceeds 6', use 3" metal pipe and coupler instead.
8. Regularly inspect the burn pot area and, if any crust forms, remove it with a poker.
9. The ash in the burn pot should be removed regularly, depending on your burn rate. The area to the right and left of the burn pot is for ash storage; keep the air holes in the burn pot clean for a more efficient burn. Check your exhaust system frequently. Refer to "Ash Removal and Disposal" section.
10. Keep pellets and all other combustible materials a safe distance from the unit.
11. This unit will require floor protection if installed on a combustible surface. The minimum floor protector for this unit is 31" x 32" which should give you at least one inch (1") of protection at the rear, four inches (4") on each side, and six inches (6") minimum in the front of the unit.
12. Horizontal runs should not exceed four feet (4') with a maximum vertical flue height of thirty five feet (35'). At fifteen feet (15'), the pipe should be increased to four inch (4") pellet vent pipe.

IMPORTANT NOTICE: This unit must be properly installed to prevent the possibility of a house fire or "smoke-back." The instructions must be strictly adhered to. Do not use makeshift methods or material which may compromise the installation. Your unit requires periodic maintenance and cleaning (refer to manual). Failure to maintain your unit may lead to a variety of problems, including but not limited to smoke spillage into the home. England's will not be liable for consequential or indirect damages to property or persons resulting from the use of this product.

13. This unit should be turned off and allowed to cool prior to cleaning. Any ashes should be kept in an airtight metal container and not disposed of until they are completely cooled.
14. Read the instructions thoroughly, including instructions concerning the digital control board, and save them for future reference.
15. Do not allow paint, chemicals or construction dust on or near your unit. Do not allow liquid or ANY foreign materials on or inside your unit. Shut your unit down and cover it when painting, construction or similar activity is taking place. Wipe and clean your unit after any construction is done in your home, or if any foreign material gets on or inside your unit. You may also need to remove the rear and side cover plates to your unit (unplug unit first) and vacuum and clean the motors and inside of your unit.
16. Improper gasket maintenance, including failure to replace gaskets, can cause air leaks resulting in smoke-backs.
17. Remember that, as with any appliance, there is user responsibility involved, including installation, operation and maintenance of this product. Be sure to check local codes, and call Customer Service at (800) 245-6489 if you have any questions.
18. **Be sure to follow the directions of all manufacturers of third party products that you use, including exhaust pipe, etc. Never use gasoline, lantern fuel, charcoal lighter fluid, diesel fuel or any other flammable liquid to start the fire. If you manually start your unit, recommended fire starter materials are: Wax-impregnated wood chips, cardboard cubes or firestarter gel designed for pellet stoves (see section on Manually Starting Unit). Follow any manufacturer's directions for these products, and NEVER place gel or any firestarter on any hot surface or hot coals. Never apply any firestarter products of any kind to a hot surface or hot coals.**
19. **Basement Installation:** We recommend basement installation be performed only by a professional installer. For basement installations, a 3" (three inch) pipe and coupler must be used for Outside Combustion Air, and a minimum clearance of 3' (three feet) must be maintained from the ground to the pellet vent exhaust pipe outside the dwelling. Keep in mind that each elbow used reduces draft by 15%; it is good practice to add 3' (three feet) of vertical rise for each elbow used. Example: After the 2nd elbow used, have 6' (six feet) of vertical rise before terminating your vent pipe.



UNIT PREPARATION

1. Attach the spring handle to the door by turning it counterclockwise. **Important: Also check hopper latches – must be tight so that the top is sealed to prevent back-burn.**
2. Test your 110-volt outlet for current and then plug in the unit. **(We highly recommend a surge protector for our pellet unit, as the control panel is electronic).**
3. It is important to note that this stove is equipped with a dual auger system. The top auger runs intermittently and drops pellets to the bottom auger; the bottom auger runs constantly and simply pushes the pellets forward to the burn pot. The control board (“Heat Range”) setting determines the top auger feed rate.
4. The stove has a digital read-out control board and is started by pressing the “ON” touch pad. This will start the upper auger, bottom auger and exhaust blower. The room air blower will start later as the stove reaches the pre-set blower temperature (see “Control Board” section for further explanation).
5. Check to be sure both augers and the exhaust blower are operating before connecting the unit to the flue system. Be sure to “dry run” your unit for 20 minutes before connecting it to the flue (it should stop automatically after 20 minutes).

Visit our web site at www.englishstoveworks.com for helpful information, frequently asked questions, parts/accessory orders and more!

FLUE SYSTEM

Caution: Follow the pipe manufacturer’s installation instructions and directions for passing through combustible walls and ceilings.

Be sure to check local codes in your area.

NOTE: See the installation drawing later in this manual (Illustration 1).

This unit is equipped with a negative draft system that pulls combustion air through the burn pot and pushes the exhaust air out of the dwelling. If this unit is connected to the flue system other than the way explained in this manual, it will not function properly.

For any of these installations, keep in mind that each elbow used reduces draft by 15%; it is good practice to add 3' (three feet) of vertical rise for each elbow used. Example: After the 2nd elbow used, have 6' (six feet) of vertical rise before terminating your vent pipe.

Pellet Vent Pipe

The UL approved pellet vent pipe that we recommend is a twist lock system; however, it is still recommended that high temperature silicone be used at each joint. England's Stove Works recommends the use of Simpson Dura-Vent® twist-lock pipe (if you use other pipe, consult your local building codes and/or building inspectors, and secure each joint with at least three screws—see Important Information, above). *Do not* use “B” vent gas pipe or galvanized pipe with this unit. The pellet pipe is designed to disassemble for cleaning and should be checked several times during the burning season — pellet vent pipe is not furnished with the unit and

must be purchased separately. **Do not install a flue damper of any kind in this system, and do not connect this unit to a flue system serving another heating appliance.**

Through the Wall

To vent the unit through the wall, connect the pipe adapter to the exhaust motor adapter. If the exhaust adapter is at least eighteen inches (18") above ground level, a straight section of pellet pipe can be used to initially pass through the wall (see Ill. 1). Your dealer or our factory should be able to provide you with a kit that will handle most of this installation, which will include a wall thimble that will allow the proper clearances through a combustible wall. Once outside the structure, a three-inch (3") clearance should be maintained to the outside wall and a clean out tee should be placed on the pipe that extends through the wall. We recommend a minimum of three feet (3') of vertical pipe with a 90-degree turn away from the house. At this point, a one-foot (1') section and horizontal cap will complete the installation (see Illustration 1).

A wall strap should be placed just below the last 90-degree section to make the system more stable. If you live in an area that has heavy snowfall, it is recommended the installation be taller than three feet (3') to get above the snowdrift line.

The same type installation can be used if your stove is below ground level by adding the clean-out section and vertical pipe inside until ground level is reached. However, we recommend basement installation be performed only by a professional installer. For basement installations, a 3" (three inch) pipe and coupler must be used for Outside Combustion Air, and a minimum clearance of 3' (three feet) must be maintained outside the dwelling from the ground to the Pellet Vent Exhaust Pipe.

The through-the-wall installation is the least expensive and simplest installation. In a through-the-wall installation you should be mindful of the snowdrift line, as well as dead grass and leaves. We recommend a three foot (3') minimum vertical rise on the inside or the outside of the dwelling. Never terminate the end vent under a deck, in an alcove, under a window or between two windows. Call (800) 516-3636 to inquire about the AC-3000 Through-the-Wall Kit.

Through the Ceiling

When venting the stove through the ceiling, the pipe is connected the same as through the wall, except the clean out tee is always on the inside of the house, and a 3" adapter is added before the clean-out tee. You must use the proper ceiling support flanges and roof flashing supplied by the pipe manufacturer -- follow the pipe manufacturer's directions and Illustration 1 in this manual. It is important to note that if your vertical runs of pipe are more than fifteen feet (15') at this point, the pellet vent pipe should be increased to four inches (4") in diameter. Do not exceed four feet (4') of pipe on a horizontal run, and do attempt to use the least number of elbows in the flue system. If an offset is used it is better to install a 45-degree elbow whenever possible.

NOTE: Installing elbows may inhibit your draft by up to 15% per elbow.

Existing Flue System

If you are replacing a wood stove with a pellet unit the chimney or pipe should be thoroughly cleaned before proceeding with the installation. The flue system should be either masonry or a UL approved pre-manufactured Class A flue system. The flue thimble should be either six inches (6") or eight inches (8") and the proper reducer (6" to 3" or 8" to 3") can be purchased at your local dealer. Connect a three inch (3") tee with clean-out to the pipe adapter -- seal this with high temperature stove cement, then extend your pipe to the installed reducer at the thimble. If the thimble is in the ceiling, the pipe will go straight up, but if the thimble is in the wall another 90-degree elbow will be required to make the connection.

Outside Air (Outside Combustion Air Intake)

Outside air is mandatory for this unit to operate properly. This unit has been designed and tested with this connection, because so many homes are airtight and there is not adequate combustion air available inside the dwelling. The air intake pipe is located on the bottom side of the burn pot (from the rear) and measures 1 ½" inside diameter (I.D.). The connection can be made with a metal 1 7/8" I.D. coupler and pipe (see "Important Information" section of manual), and should exit through the wall. Be sure to secure the pipe to the unit with a clamp or aluminum tape. The outside end of the pipe should be covered (screened) to prevent foreign matter from entering the system. Our Outside Air Kit (Part Number PU-OAK) can be used. If the unit is located below ground level, you will need to run the pipe up and then outside the dwelling. NOTE: If the total run of the connection exceeds 6', if more than 2 elbows are used, or if a basement installation, use 3" metal pipe (and coupler) instead. Note: If an older unit, measure the opening to determine what size pipe to use or couple to.

Mobile Home Installation

Secure the heater to the floor using the two holes in the pedestal. If the unit is on a combustible surface, you will need to drill matching holes in the floor protection that you choose (see Floor Protection section). Do not disturb the structural integrity of the home, and be sure the unit is permanently electrically grounded to the chassis of your home. Remember that outside combustion air is mandatory, and not to install the unit in a sleeping room of the home.

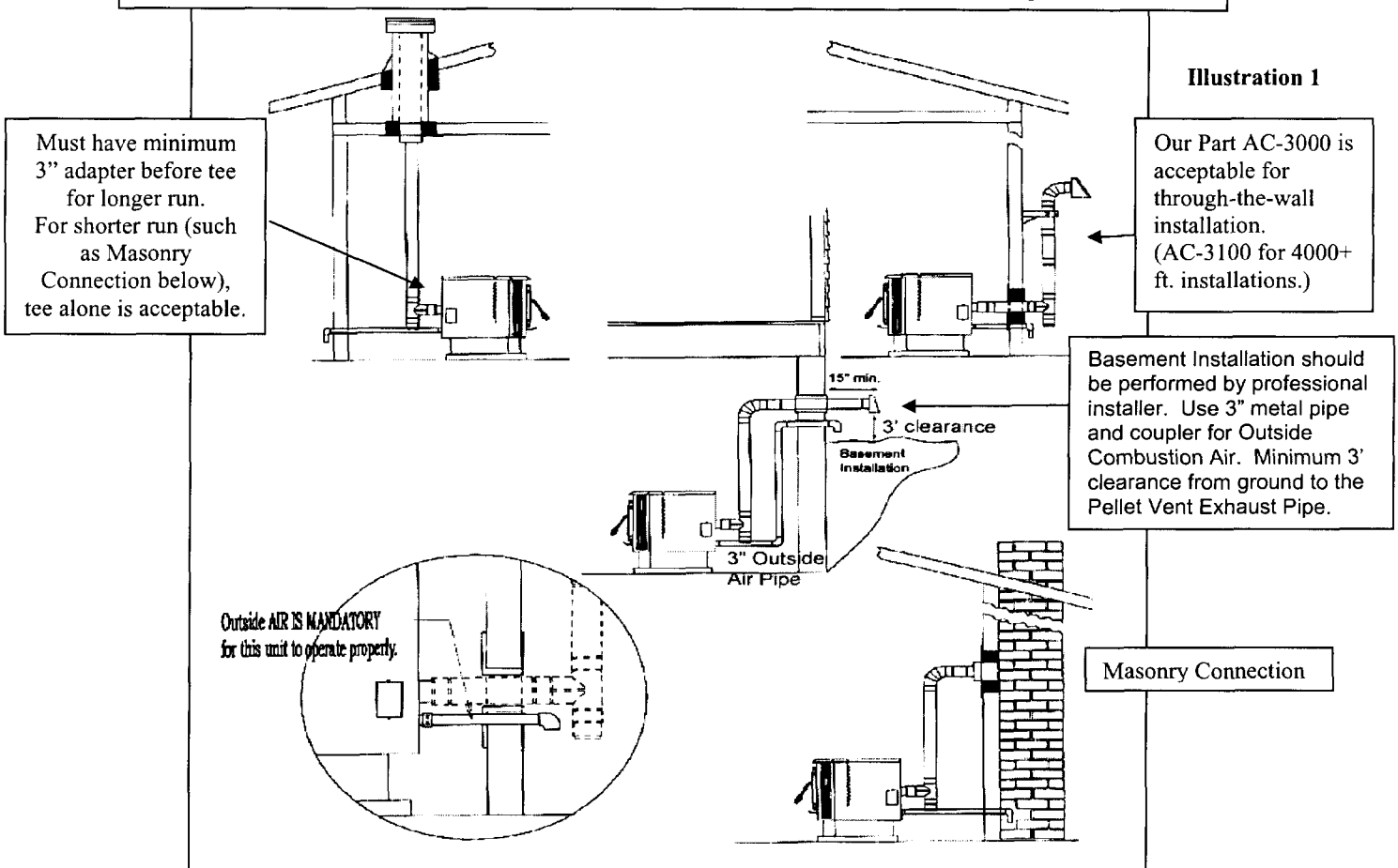
Important Notes Concerning Installation:

***IMPROPER INSTALLATION:** The manufacturer will not be held responsible for damage caused by the malfunction of a stove due to improper venting or installation. Call (800-245-6489) and/or consult a professional installer if you have any questions.

IMPORTANT: Improper hook-up (too much pipe, too many elbows, etc.) will cause the unit not to operate. Call Customer Service (800-245-6489) if you have questions about your hook-up or if your unit will not operate.

Freestanding Pellet Installation

Caution: Follow the pipe manufacturer's installation instructions and directions for passing through combustible walls and ceilings. Check local codes in your area.



1. If 3" flue pipe exceeds 15' in length, increase to 4" flue pipe for remaining flue connections.
2. Total flue length should not exceed 35'.
3. Horizontal run not to exceed 4'.
4. Floor protector required: Min. size 31" x 32".
5. If the total run of outside air connection exceeds 6', if more than 2 elbows are used, or if a basement install, use 3" metal pipe (and coupler) instead.
6. **Outside Air is mandatory for proper safe operation.**

FLOOR AND WALL PROTECTION

Floor Protection

If your floor is constructed of a non-combustible material such as brick or concrete, there is no need for floor protection. If the floor is constructed of a combustible material such as hardwood, linoleum, or carpet, then you will be required to use floor protection between the unit and the combustible. The protection should be U.L. approved or equal, and should be large enough to provide a minimum of one inch (1") behind and four inches (4") on both sides of the stove. The clearance in front of the stove should be at least six inches (6"). This freestanding pellet unit will need a minimum 31" x 32" floor protector.

Wall Protection

From the rear and the sides of this stove only six inches (6") of clearance is required to paneling, wallpaper or drywall. The pellet vent pipe would require the standard three inches (3") clearance, or as recommended by the manufacturer. Normally additional wall protection is not required with this type unit.