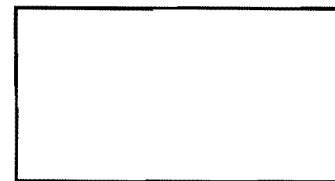




FILL IN AND SIGN WITH INK

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 661 ALLEN AVE ^{398-B-016} Use of Building GARAGE Date 10/16/07
 Name and address of owner of appliance STEVE FOWLER-GREAVES
661 ALLEN AVE PORTLAND, ME 04103
 Installer's name and address ROBERT BLANCHARD 39 MOUNTAIN ROAD
BIDDEFORD, MAINE Telephone _____

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid (WOOD)

Appliance Name: JOHNSON "BIG JOHN"
 U.L. Approved Yes No WOOD BOILER

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 # 30001219
- Gas # _____
- Other _____

Type of Chimney:

- Masonry Lined
- Factory built _____

Metal 22 FOOT METAL STOVE PIPE
 Factory Built U.L. Listing # _____

Direct Vent
 Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 6000

Permit Fee: \$ _____

DENIED

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

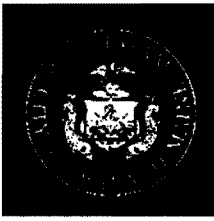
Inspector's Signature

Date Approved

Signature of Installer

Robert J. Blanchard

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



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Penny St. Louis Littell

Inspection Services Director
Tammy Munson

February 27, 2009

Steve Fowler-Greaves
661 Allen Avenue
Portland, Maine 04103

Re: 661 Allen Avenue, Permit # 07-1319
CBL: 398-B-016001

Regular Mail

Dear Mr. Fowler-Greaves,

This letter is a follow up to our phone conversation this morning. As you know, the letter sent to you dated January 30, 2009 stated that you were required to provide additional information by today to complete the review of this permit. You stated today that your intention is to submit a new application with information on a different type of heating appliance. We scheduled an appointment for Tuesday March 3, 2009 at 8:00AM in this office for submittal and review of the information.

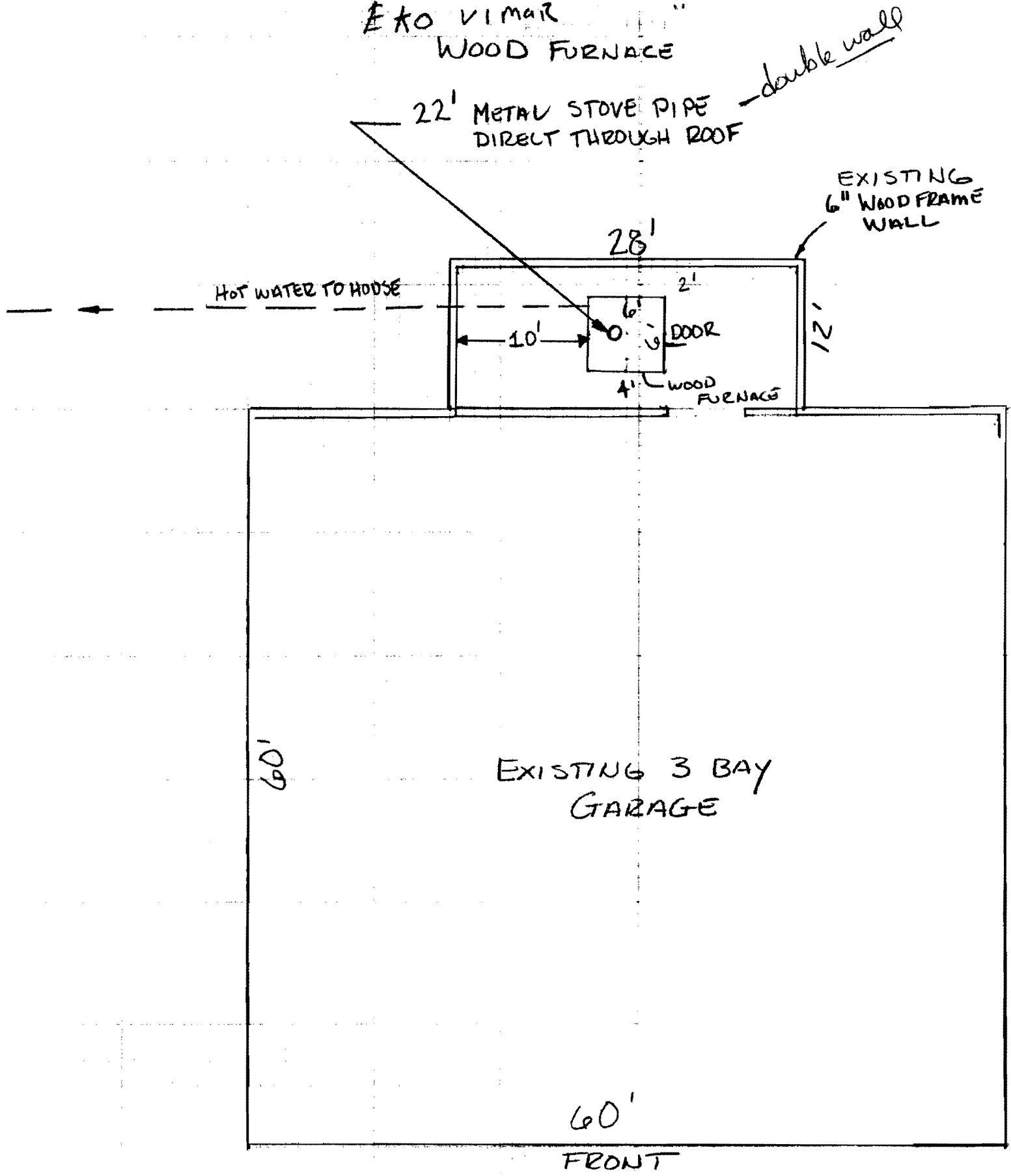
The above referenced permit application is denied pursuant to Section 105.3.1 of the International Residential Code 2003. The information requested has not been submitted in order to approve a compliant installation:

1. Accurate verification of required clearance to combustibles or compliant reduction method
2. Certification that the appliance meets DEP emissions control standards, setbacks to property lines and smoke stack heights.
3. The extension pipe/stack specifications

As stated in the previous letter, the wood boiler appliance was installed without approval from this office and shall be removed or abandoned within 7 days of the date of this letter. An inspection will be scheduled for March 6, 2009 to inspect for compliance.

10-16-2007
1"=10' ±

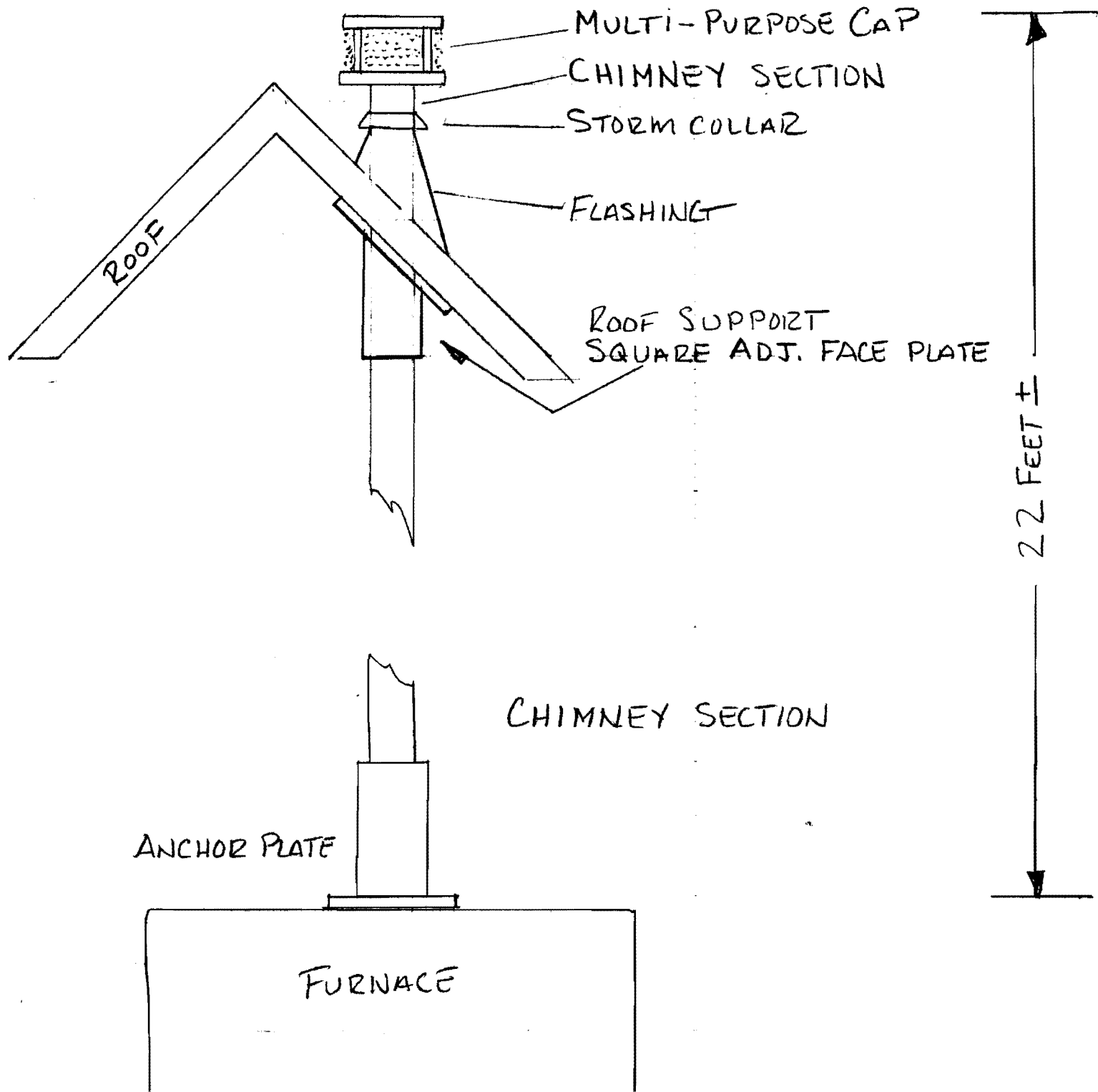
PROPOSED INSTALLATION OF
EKO VIMAIR
WOOD FURNACE



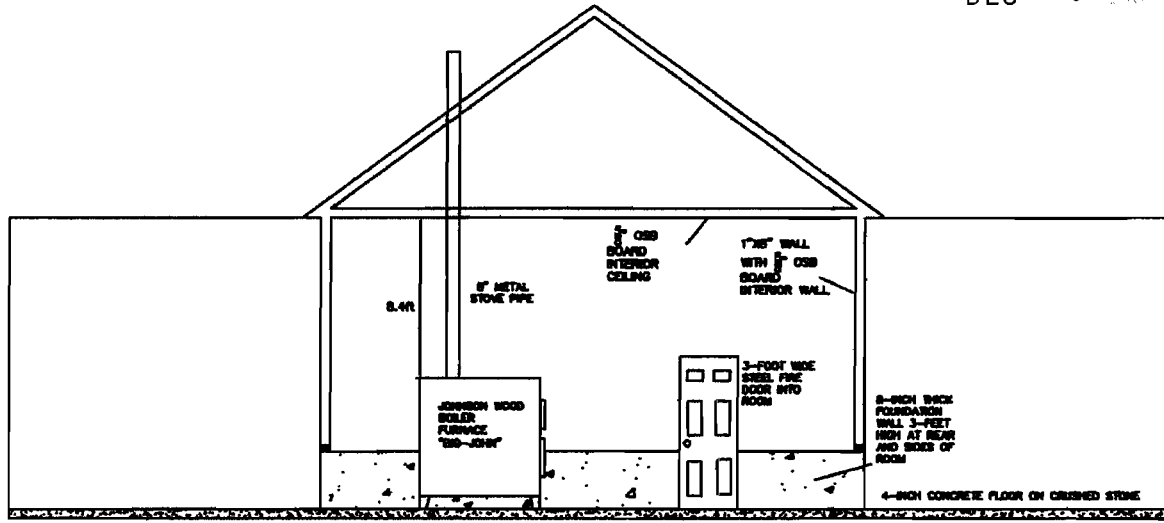
661 ALLEN AVE

10/16/2007

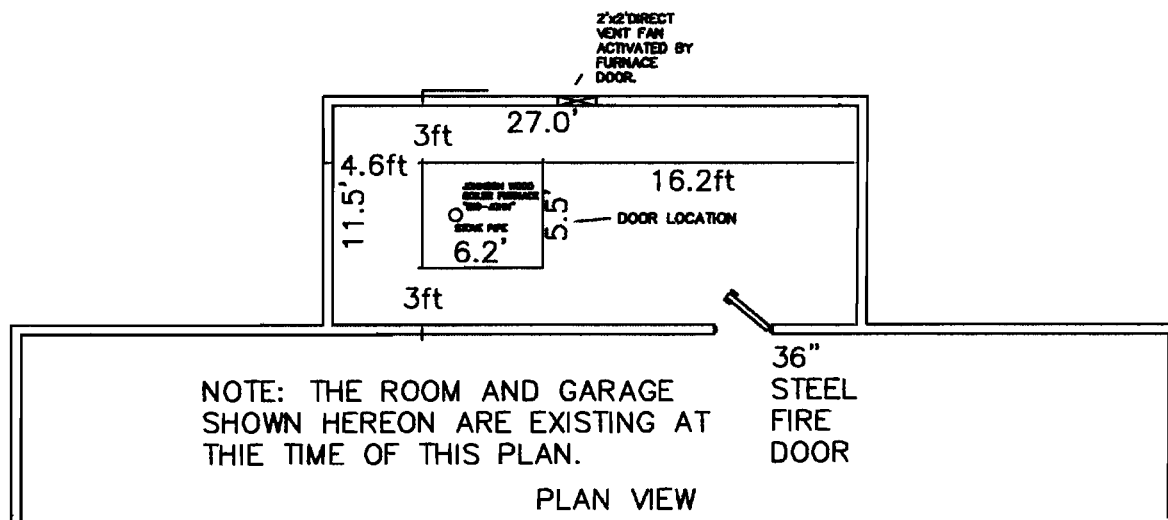
PROPOSED STOVE PIPE INSTALLATION



DEC 5 2007



ELEVATION VIEW



PLAN VIEW

DIRECT VENT FAN ELECTRONICALLY ATTACHED TO FURNACE IS ACTIVATED WHEN FURNACE DOOR ARE OPENED. THE FAN WILL ALLOW FRESH AIR TO ENTER THE ROOM AT ALL TIMES. AN INTERIOR FAN IN THE FURNACE IS ACTIVATED WHEN THE DOOR IS OPENED TO VENT ANY SMOKE IN THE UNIT UP THE CHIMNEY. THIS PREVENTS SMOKE AND ASH FROM ENTERING THE ROOM. THE WALL FAN WILL EVACUATE ANY STALE AIR OR SMOKE THAT HAPPENS TO ENTER THE ROOM.

Wood Boiler Room

DRAWN RTG	DATE 11/29/07	Steve Fowler Greaves 661 Allen Ave Portland
APPROVED SFG	DATE 12/04/07	Proposed Johnson Wood Boiler
SCALE 1" = 10'	SHEET 1 OF 1	PROJECT NO. 2005115

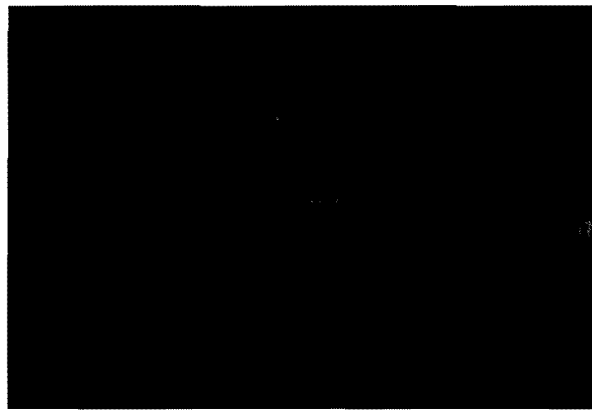
Report to accompany a Wood Boiler Furnace Permit for 661 Allen Avenue

A Wood furnace is a furnace (using wood, coal and/or liquid fuels) that heats a water reservoir (50 to 2000 gallons) up to 210 degrees (almost boiling). This hot water is stored in the reservoir until a thermostat signals a pump to send the hot water to heat transfer devices (radiators, baseboards, forced air, hydronic floor heat, etc.) to heat the air and domestic hot water in homes or businesses.

Johnson wood furnaces are clean burning, wood-fired central heating furnaces. Through a process called wood gasification, these furnaces burn at extreme temperatures leaving very few particles to create smoke, creosote or ash. Certified to CSA standards for indoor operation, Wood furnaces are as safe to operate as a hot water heater and as easy to use as a fireplace. Installed in a garage, basement or out building, they integrate with a home's existing heating system

(i.e. forced air, radiant or hot water baseboard) and produce enough heat to satisfy home, hot water, spa, pool or greenhouse heating needs.

As the following pictures illustrate the Johnson Wood Boiler is a safe efficient furnace to use.



Note the boiler situated in the dedicated room. As shown on the attached plans the boiler is placed on a 4" thick concrete floor with three foot concrete walls surrounding the unit.

Also, the entire furnace is situated on four metal legs that keep the furnace eight inches from the concrete floor.

The peaked roof is installed to prevent the storage and placement of articles upon the furnace.

DEC 5 200

Photo depicting interior of furnace through door

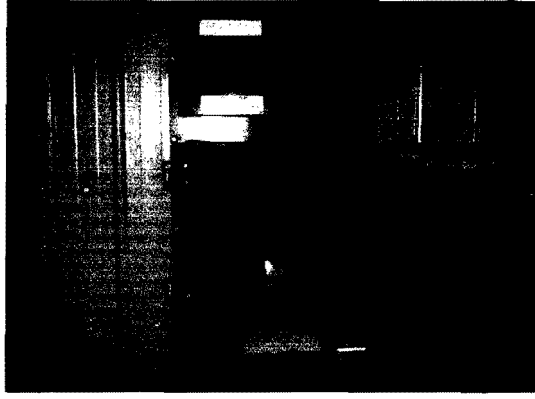


Photo depicting interior of furnace at the rear of unit



The exterior sheathing is installed to surround the heating chamber in insulation and guarantee efficient operation. The insulation and exterior sheathing also keep the outside of furnace cool to the touch during operation. It should also be noted that this model of boiler surrounds the heating chamber in 275 gallons of water which insures a safe and cool unit.

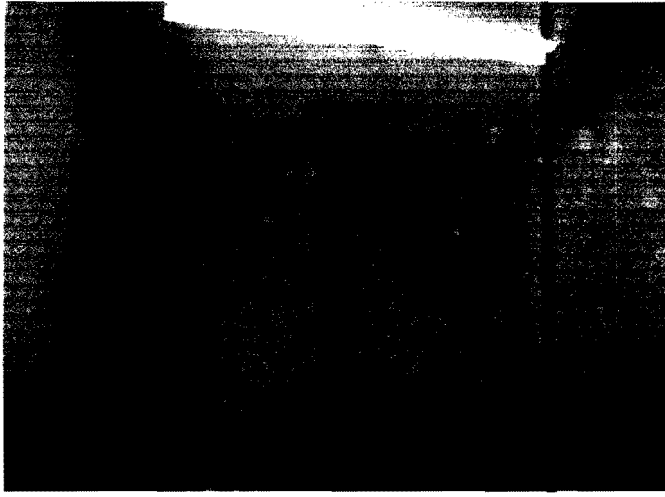
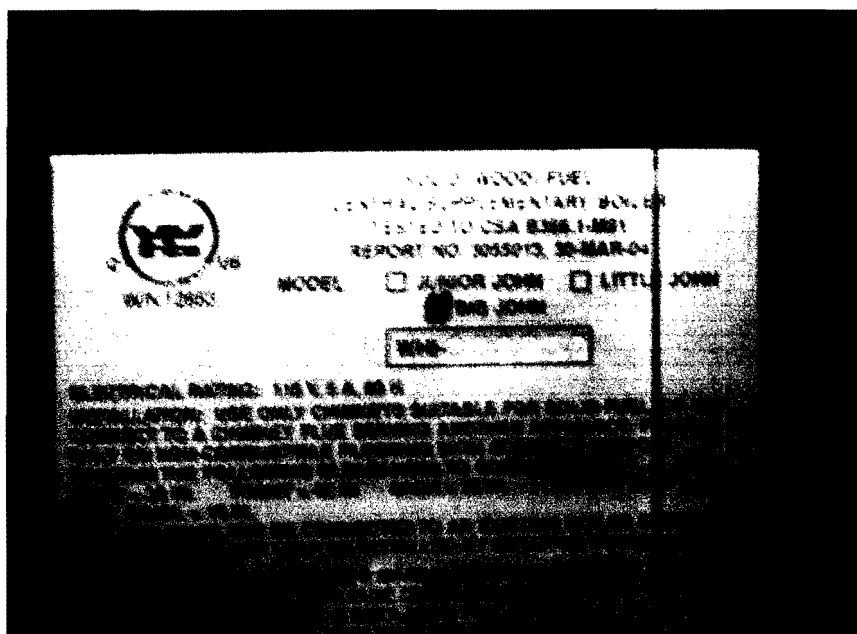


Photo showing the ten-inch steel stove pipe extending through the ceiling. Also, note the 3/8-inch OSB board covering the interior of the boiler room.

Below shows the CSA (Canadian Standards Association) certification attached to the door of the furnace. This stamp insures each boiler sold is individually inspected and certified to meet the most recent American standards.



CSA certifications are used and accepted across North America and around the world, on over 1 billion products. And that number continues to grow.

In the U.S., CSA International is accredited by the **Occupational Health and Safety Administration (OSHA)** as a Nationally Recognized Testing Laboratory (NRTL). Generally speaking, all OSHA accredited laboratories conduct their tests against the same sets of U.S. standards and codes, regardless of who authors or publishes them. CSA International tests to applicable U.S. standards, which include **ANSI, UL, CSA, NSF**, and others. In Canada CSA International is accredited as a Certification Organization (CO) and as a Testing Organization (TO) by the **Standards Council of Canada (SCC)**.

Report By:

Robert T. Greenlaw, PLS

November 30, 2007

An Act To Regulate Outdoor Wood Boilers

Emergency preamble. Whereas, acts and resolves of the Legislature do not become effective until 90 days after adjournment unless enacted as emergencies; and

Whereas, this Act requires the Department of Environmental Protection to adopt major substantive rules to address issues relating to outdoor wood boilers; and

Whereas, the major substantive rules are to be adopted on an emergency basis pursuant to the Maine Revised Statutes, Title 5, section 8073 in order to have the rules in place prior to the height of the wood-burning season; and

Whereas, in the judgment of the Legislature, these facts create an emergency within the meaning of the Constitution of Maine and require the following legislation as immediately necessary for the preservation of the public peace, health and safety; now, therefore,

Be it enacted by the People of the State of Maine as follows:

Sec. 1. 38 MRSA §582, sub-§8-C is enacted to read:

8-C. Outdoor wood boiler. “Outdoor wood boiler” means a fuel burning device:

- A. Designed to burn wood or other solid fuels;
- B. That the manufacturer specifies for outdoor installation *or in structures not normally occupied by humans; and*
- C. That heats building space and water through the distribution, typically through pipes, of a fluid heated in the device, typically water or a mixture of water and antifreeze.

Sec. 2. 38 MRSA §610-B is enacted to read:

§ 610-B. Outdoor wood boilers

1. Phase I emission standard. A person may not sell or distribute for sale an outdoor wood boiler after April 1, 2008 unless it meets a particulate matter emission limit of 0.6 pounds per million British Thermal Units heat input.

This subsection is repealed April 1, 2010.

2. Phase II emission standard. A person may not sell or distribute for sale an outdoor wood boiler after April 1, 2010 unless it meets a particulate matter emission limit of 0.32 pounds per million British Thermal Units heat output.

3. Nuisance condition. A person may not operate an outdoor wood boiler in a manner that creates a nuisance condition as defined in the department's rules.

The Department of Environmental Protection shall adopt rules to implement this section. Notwithstanding section 592-A, the rules must include a definition of "nuisance condition" specifically relating to the operation of outdoor wood boilers. Rules adopted pursuant to this section are major substantive rules as defined in Title 5, chapter 375, subchapter 2-A.

Sec. 3. Emergency major substantive rules; outdoor wood boilers.

The Department of Environmental Protection shall adopt rules related to outdoor wood boilers. The rules must include provisions relating to siting, operation and labeling requirements, stack heights, dealer and manufacturer reporting, public notification of emission standards and operation and siting requirements, code enforcement officer training, nuisance conditions and existing inventory issues. The rules must provide for enforcement of the rules by the Department of Environmental Protection. Rules adopted pursuant to this section and the Maine Revised Statutes, Title 38, section 610-B may be adopted as emergency major substantive rules pursuant to Title 5, section 8073 and must be submitted to the Legislature for review by January 15, 2008.

Sec. 4. Reports; outdoor wood boilers. The Department of Environmental Protection shall submit reports as provided in this section.

1. Report regarding resolution of outdoor wood boiler complaints. By July 1, 2007 and every month thereafter by the first day of the month until January 1, 2008, the Department of Environmental Protection shall report to the Joint Standing Committee on Natural Resources on the status of the resolution of complaints regarding outdoor wood boilers.

2. Report regarding outdoor wood boiler technology. By January 10, 2009, the Department of Environmental Protection shall review outdoor wood boiler technology, including the achievable emission limits of outdoor wood boilers, and submit a report on the review to the joint standing committee of the Legislature having jurisdiction over natural resources matters. The report must include the department's findings, recommendations and any legislation necessary to implement the recommendations. The joint standing committee of the Legislature having jurisdiction over natural resources matters may submit legislation relating to the report to the First Regular Session of the 124th Legislature.

Emergency clause. In view of the emergency cited in the preamble, this legislation takes effect when approved.

N5499 County Rd E Ogdensburg, WI 54902
(920)244-7581 Phone
(920)244-7580 Fax

Johnson Mfg & Sales

Fax

To: Jeannie From: Johnson Mfg. & Sales
 Fax: _____ Pages: 2 with cover
 Phone: _____ Date: 1-26-09
 Rec: _____ CC: _____

Urgent For Review Please Comment Please Reply Please Recycle

• Comments:

JAN 26 2009



Solid (Wood) Fuel
Central/Supplementary Boiler
Tested to CSA B366.1-M91
Report No. 3055013, 30-Mar-04

Model Junior John Little John Big John
ITS No. (to be determined) Electrical Rating: 115 V, 5 A, 60 H
INSTALLATION: Use only chimneys suitable for solid fuel. Do Not Connect To A
Chimney Flue Serving Another Appliance. Place only on non-combustible flooring
with adequate support. Maintain the following clearances to combustibles:
Sides = 36 in. Front = 48 in. Back = 36 in. Top = 12 in. Chim. Conn. = 18 in.
-This appliance may be connected to an existing boiler system. This equipment may
only be installed by qualified personnel.

OPERATION: Refer to owner's manual supplied with this appliance. Do not operate
with flue draft exceeding 0.06-in. water column (15 Pa.). Burn Wood Only. Load fuel
carefully or damage may result. In case of a "run-away" fire, disconnect from
electrical supply and be sure all doors are closed tightly.

DANGER - Risk Of Fire Or Explosion: Do not use chemicals or fluids to start the fire.
Do not burn garbage, gasoline, naphtha, engine oil, or other inappropriate materials.
Do not store fuel within the above clearances. Do not operate with fuel door, ash
removal door, or clean-out doors open. Do not load fuel above mid point of fueling
door. Do Not Operate This Appliance During An Electrical Power Failure.

CAUTION - Hot Surfaces: Keep children away. Do not touch during operation.

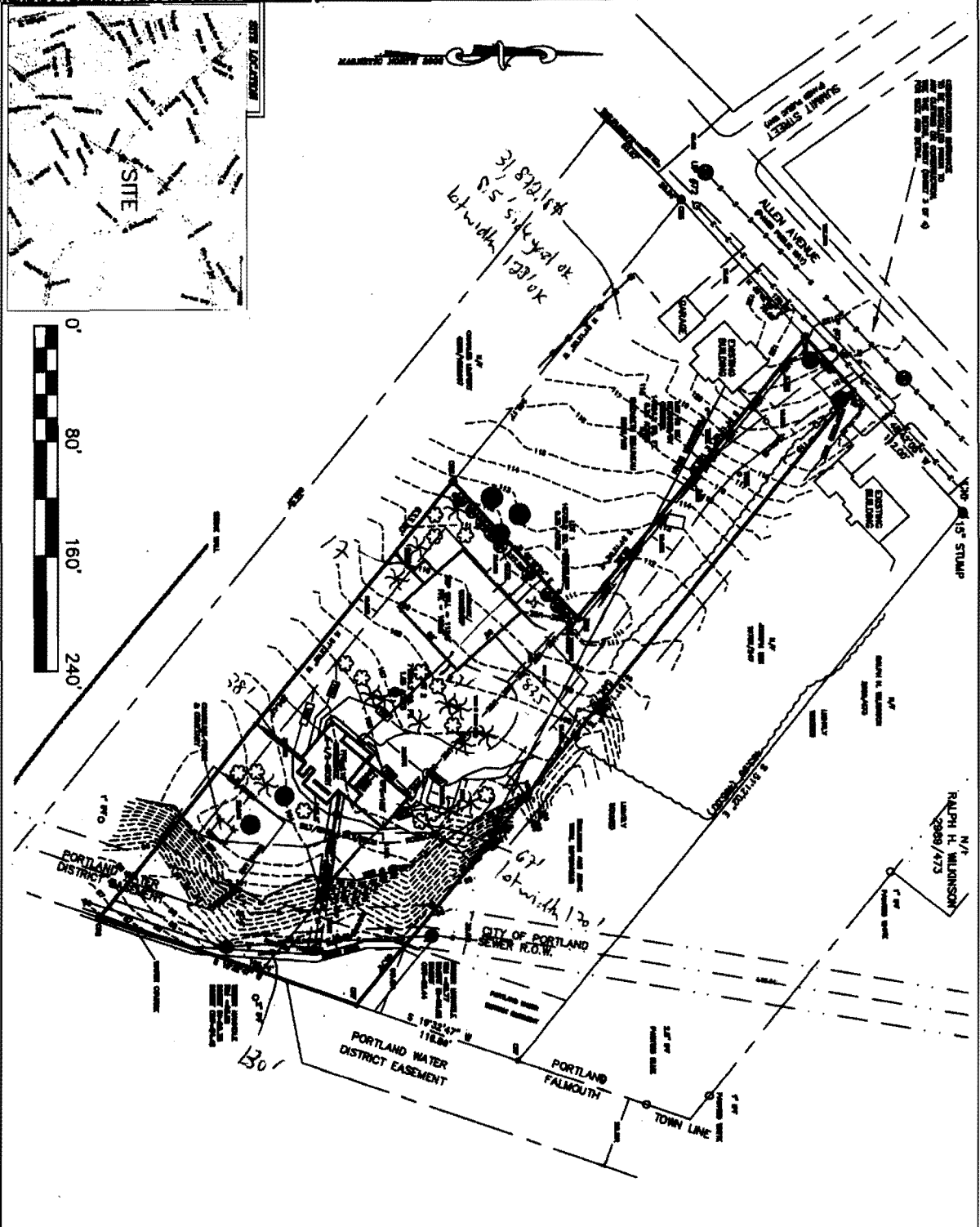
The heat exchanger, flue pipe, and chimney must be cleaned regularly to remove
accumulated creosote and ash. Ensure that the heat exchanger, flue pipe, draft
inducer, and chimney are cleaned at the end of the heating season to minimize
corrosion during the summer months. The appliance, flue pipe, and chimney must be
in good condition.

Have your Outdoor Wood Stove cleaned, adjusted, oiled, and checked over at the end of
each burning season, following these instructions:

- Clean and scrape all ashes from stove
- Clean Flue Pipe
- Clean Door, Gaskets, and adjust door to an air tight fit
- Clean & brush, blow out, and oil all Blowers
- Check Electrical System
- Check Dampers & Cotter Pins
- Clean Y-Strainer
- Coat stove interior with oil
- Drain waste water from bottom of the stove
- Cap Flue from rain water

This procedure is necessary to avoid unforeseen problems, and to keep warranty in
effect.

JAN 26 2009



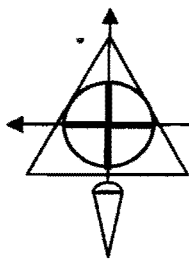
NOTICE: THIS PLAN IS THE PROPERTY OF THE ENGINEER AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

LEGEND:

- UNIMPROVED LOT
- IMPROVED LOT
- EASEMENT
- TOWN LINE
- WATER DISTRICT EASEMENT
- FALMOUTH

ENGINEER: [Signature]

DATE: 3/22/2007



December 5, 2007

Jeanie Bourke
Inspections Division Director
City of Portland Maine
389 Congress Street
Portland, Maine 04101

DEC 5 2007

Dear Jeanie,

I would like to accompany my report and plan of the proposed Johnson Wood Boiler furnace to be installed at the residence of Stephen Fowler-Greaves.
661 ALLEN AVE.

I checked with the manufacture of the wood boiler for installation instructions for the particular unit purchased and found there were none available. As a result we have defaulted to the State of Maine Fire Marshall regulations for the installation. I have attempted to find the 2006 version of the NFPA chapter 211 regulations and was unsuccessful. As a result, I visited your office and recovered the most recent version (2000) of the regulations for the installation of Solid Fuel-Burning Appliances which are found in Chapter 9.

I would like to touch on the relevant sections of the standards to assist in your granting a permit for this furnace. Numbers in parentheses (6-inches) are from the standards.

9-2.2 Solid fuel burning appliances shall not be installed in alcoves or enclosed spaces less than 512 ft³. The space or room shall have ample space to allow adequate circulation of air.....

The separate wood boiler room has 4751ft³ of space. The 2-foot by 2-foot fan installed in the wall will provide constant fresh air to the space. It will be activated each time the furnace door is opened to vent any stale air in the space.

9-2.3 Solid fuel burning appliances shall not be installed in any location where gasoline or any other flammable vapors or gases will be present.

The furnace is installed in a separate room attached to the existing garage. A steel fire door will be the only access to the room. No flammable gas or vapors will be allowed in the room or for that matter in the garage itself.

(207) 774-2855

643 Forest Avenue Portland, Maine 04101
Email ~Backbayboundary@cs.com

Fax (207) 347-4346

www.Backbayboundary.com

Back Bay Boundary, Inc.
LAND SURVEYING

9-2.4 Solid fuel burning appliances shall not be installed in any residential garage.

The furnace is installed in dedicated separate room attached the free standing garage. The garage is situated approximately 100-feet from the residence.

9-3 Air for Combustion and Ventilation.

As stated above in 9-2.2 the room has adequate space for ventilation and the fan will assist in the circulation of air in and out of the room. The furnace itself is equipped with an internal fan the vents the smoke out the stove pipe each time the door is opened.

The bottom of the furnace is situated on legs 8-inches (6-inches) above the 4-inch concrete floor.

The sides of the furnace are 36-inches from the 5/8-inch OSB board wall, the rear of the furnace is 4'-6-inches from the wall and door or front side of the furnace is 16.2 feet from the nearest wall.

The ceiling is over 8-feet from the top of furnace.

It is our intention to install and operate this furnace in compliance with the current standards. We hope this letter helps in clarifying the plans and report.

Please contact me personally at 749-9471 should you have any questions or concerns.

Sincerely,



Robert T. Greenlaw

(207) 774-2855

643 Forest Avenue Portland, Maine 04101
Email ~Backbayboundary@cs.com

Fax (207) 347-4346

www.Backbayboundary.com

SER# WHI 002950

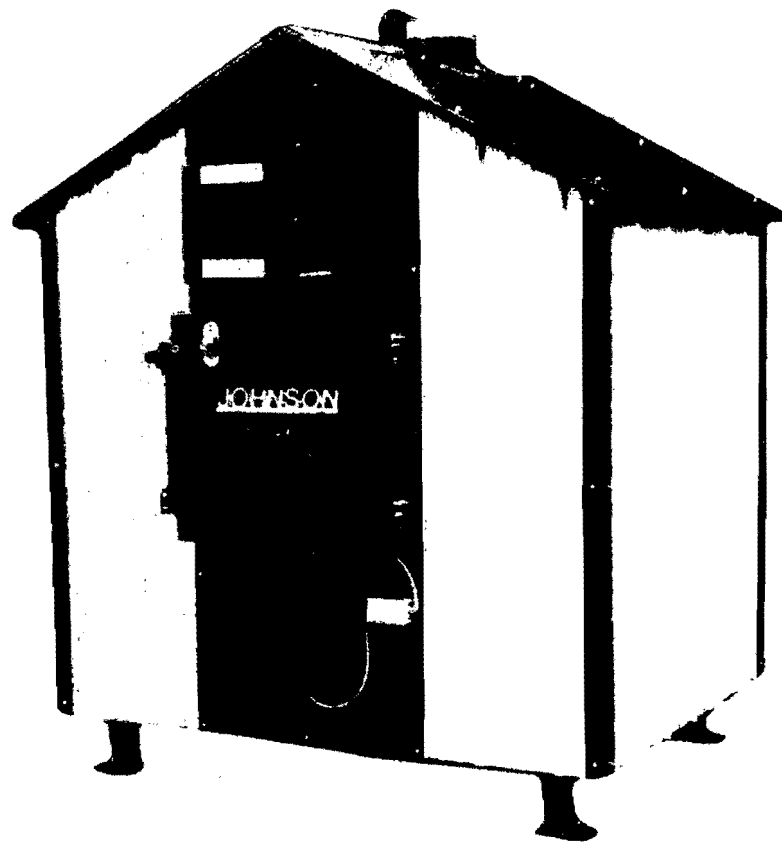
JOHNSON

CSA Listed

Little John

Big John

Operator's Manual



Distributed by Hud-Son Forest Equipment
8187 State Rt 12 – PO Box 345, Barneveld, NY 13304
315-896-2217

Johnson Mfg & Sales Inc. - N5499 Cty E - Ogdensburg, WI 54962
1-800-515-4328

JOHNSON MFG. & SALES, INC.

JOHNSON MFG. & SALES INC.

N5499 CTY E

OGDENSBURG, WI 54962

PH: 920-244-7581 FAX: 920-244-7580 800-515-4328

Dear Customer,

We would like to thank you for purchasing the JOHNSON

With years of experience we have been able to supply professional quality to thousands of satisfied customers. Your new JOHNSON is the safest and most efficient wood heating system available.

This Operator's Manual is designed to give recommendations for installation, guidelines for operation and maintenance advice. Should you have any Questions concerning installation, operation, or warranty of your JOHNSON please do not hesitate to contact us or your local dealer.

**PLEASE FOLLOW AND OBSERVE ALL SAFETY
AND WARNING INSTRUCTIONS**

Best Regards,

Howard A. Johnson

Howard A. Johnson

President
Johnson Mfg. & Sales, Inc.

JOHNSON
Owners Manual for Models
Little John and Big John Furnace

*****CAUTION***** Save these instructions, retain this manual as long as you own your Johnson. Carefully read and follow these directions.

*****CAUTION***** All installation and operations must follow STATE and LOCAL CODES for either wiring, plumbing and firing of these units and may differ from this manual. All installations are to be performed by a Qualified installer.

*****CAUTION***** DO NOT burn garbage, gasoline, Naptha, engine oil or other inappropriate materials.

*****CAUTION***** All Johnson models operate at atmospheric pressure. DO NOT obstruct, block or plug overflow vent in any way this is located at top of furnace.

*****CAUTION***** Use of an approved "spark arrestor" is recommended. Minimum distance between building being heated and furnace out building is Ten feet, or follow your state and local codes.

*****CAUTION***** Only responsible adult persons should operate the furnace. Improper firing could cause damage and void warranty.

*****CAUTION***** Never allow small children to play near or tamper with furnace, always keep area around and in front of fire door clean and free from combustible materials.

*****CAUTION***** Keep ash door closed during operation.

*****CAUTION***** For safety keep fuel door closed tightly during operation.

*****CAUTION***** Do not operate this appliance during and electrical power failure. Do not open or refuel while power is off.

HOW TO CHOOSE THE CORRECT COMPONENTS FOR OUTDOOR FURNACE INSTALLATION

- (1) Basic starter items are needed for each outdoor furnace installation. Filter housing and filters, pump shut-off flange hot water heater.**
- (2) Decide if you want only one thermostat to control the temperature in all areas of your building or if you prefer to have individual zones in which temperature can be controlled separately**
- (3) If individual heating zones are preferred, then for each zone you must have a pump, an electric zone valve, a 24 volt thermostat and a 24 volt transformer. In addition, you will require zone tanks to feed all zones.**
- (4) For each zone, you can have your choice of heating methods:
(a) water to air exchangers, (b) air handlers (c) kick space heaters, (d) baseboard heaters (e) floor piping (g) hydronic unit or (h) oil fired heaters.**

Water to Air Heat Exchangers

For plenum mount and using existing forced air system, use a exchanger. For large plenums use more than one exchanger and step these down. DO NOT neck down the plenum. If you wish to leave your existing forced air furnace intact for backup.

Air Handlers

This is a complete furnace in one comes with exchanger, blower fan and filter. All this mounted in a attractive box. Easy to hook up by simple connecting the 2 copper lines to feed and return line.

6

**How to Choose the Correct Components
For Outdoor Furnace Installation**
(continued)

Choose 0011 – multi-building or large building over 125 ft of pipe Run, lift/head between 12 ft and 28 ft. Any time manifold is used.

Note: always mount pump cartridge in horizontal position. Always Have a spare cartridge on hand. Always install shut off valves on Either side of pump. (by-pass valves and lines are nice to have)

Underground Pipe – How to Choose

There is only one type of pipe to consider (KITEC). Pipe must Have an oxygen barrier to prevent corrosion.
DO NOT USE: Polybutylene or Plastic Pipe.

Most systems under 50 can use $\frac{3}{4}$ " pipe, systems over should use 1" And floor systems should use $\frac{1}{2}$ " Kitec within the building. All fittings Should be brass Kitec.

Fittings require low priced Beveling tool for installation.

Insulation – How to Choose

Use underground foam pipe insulation. Prevents water infiltration and Gives maximum R value without breaking down. Call For More Information.

WATER LINE

Recommended water line to be used is continuous $\frac{3}{4}$ " or 1" Kitec pipe, To and from the building to be heated. Floor heating requires 1" Headers by $\frac{1}{2}$ " pipe in floor.

INSULATION

See following Page

PLUMBING

Water line supplies are located at the back of the furnace Feed Line (bottom) and Return Line (Top). As mentioned before, your water line must be marked Feed and Return to insure proper hook up to furnace and exchangers.

Entering the home, cement foundations can be drilled with a large Hammer drill and 1-1/2" bit or routed up over cement foundation and entered through sill plate area.

When routing water lines over cement, they must be properly insulated and protected. Once in the home, continue using 1" or $\frac{3}{4}$ " diameter line to finish plumbing inside components.

NOTE: If entering cold crawl spaces (example under mobile home) Water lines must be insulated as well as underground. Uninsulated Water lines resting on cold surfaces results in extreme heat loss and large wood consumption. Follow the plumbing diagram provided to complete hook-up in the home.

INSTALLATION

Do Not connect to an existing heating system unless using a Water/water or Water/air exchanger system. For sample installations, Refer to section on *How to Choose the Correct Components*. We Recommend that a qualified installer complete the installation. For Further Information contact Johnson Mfg. or your Dealer.

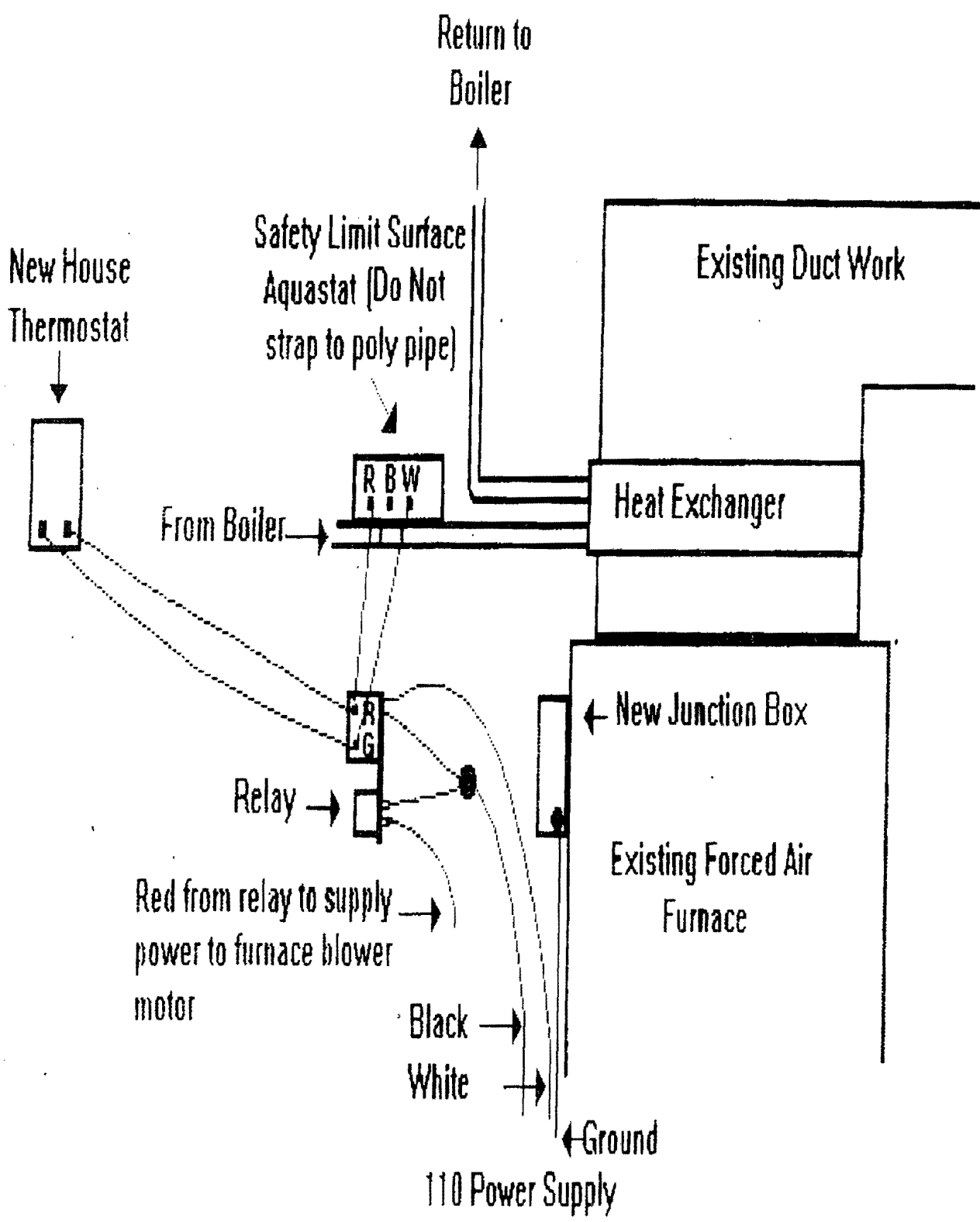
CONTROLS

A surface Aquastat maybe used as a safety limit on the system, it is Strapped to the Hot Supply Pipe usually in the house and is set 10 Degrees higher than the fan control Aquastat on the Johnson. If the Water pipe it is strapped to reaches the setting , the strap on Aquastat Will over ride the Room thermostat and turn on the pump, or fan of The existing furnace to get rid of excess heat.

FILLING WITH WATER

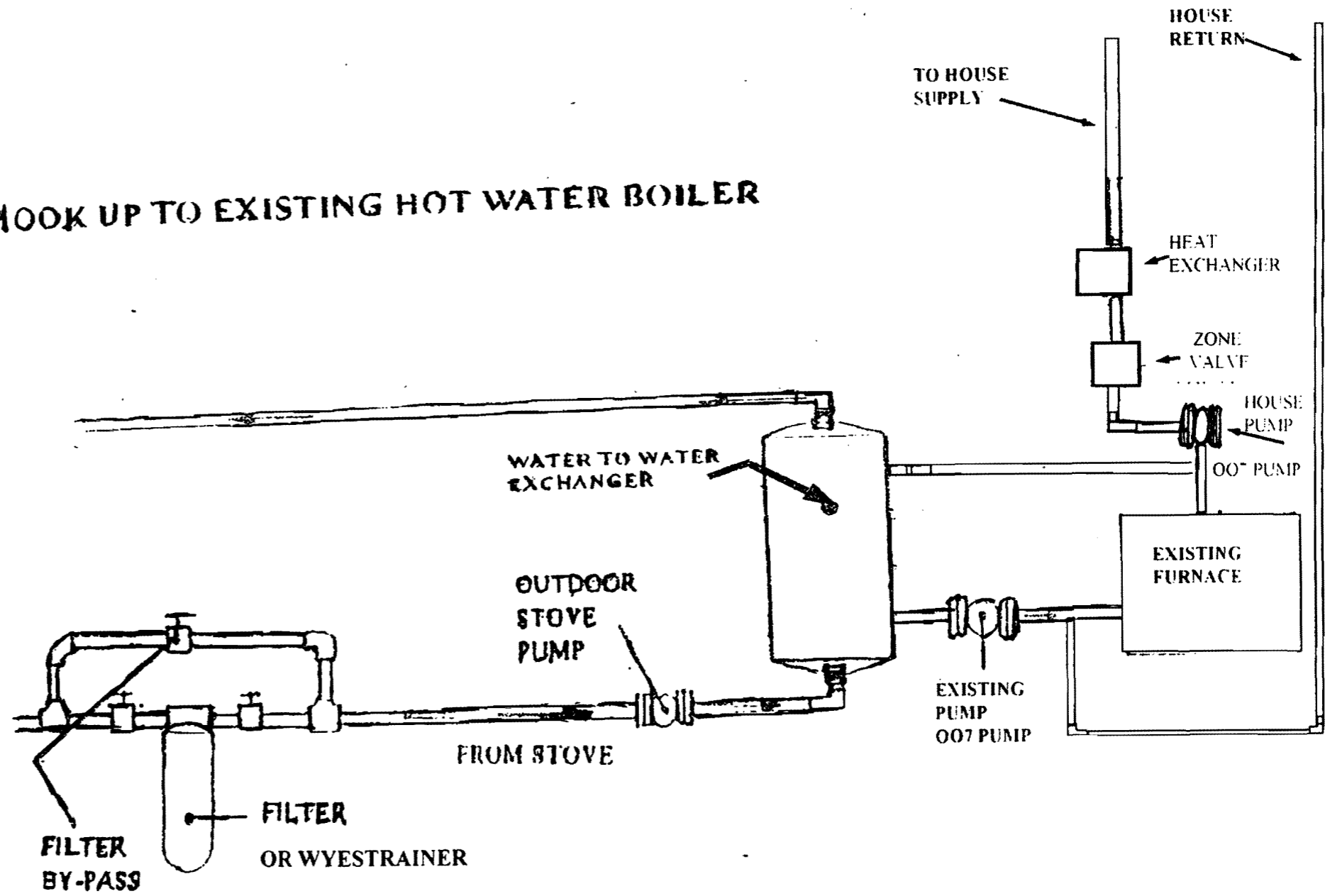
The furnace can be filled either at the furnace through the overflow Tube on the roof or inside the home via an additional water Connection. For simple inside house connection splice a $\frac{3}{4}$ " boiler Drain valve into the incoming feed line. When water is needed attach A garden hose from your domestic water to the valve and fill as Required.

On the initial filling air will have to be removed from the lines. This Is accomplished by opening valves until water runs out and then Closing the valves. This process may be required to be repeated as Necessary. Air in the lines may cause pump damage. Watch for Plumbing leaks. DO NOT start pump until furnace is full of water.

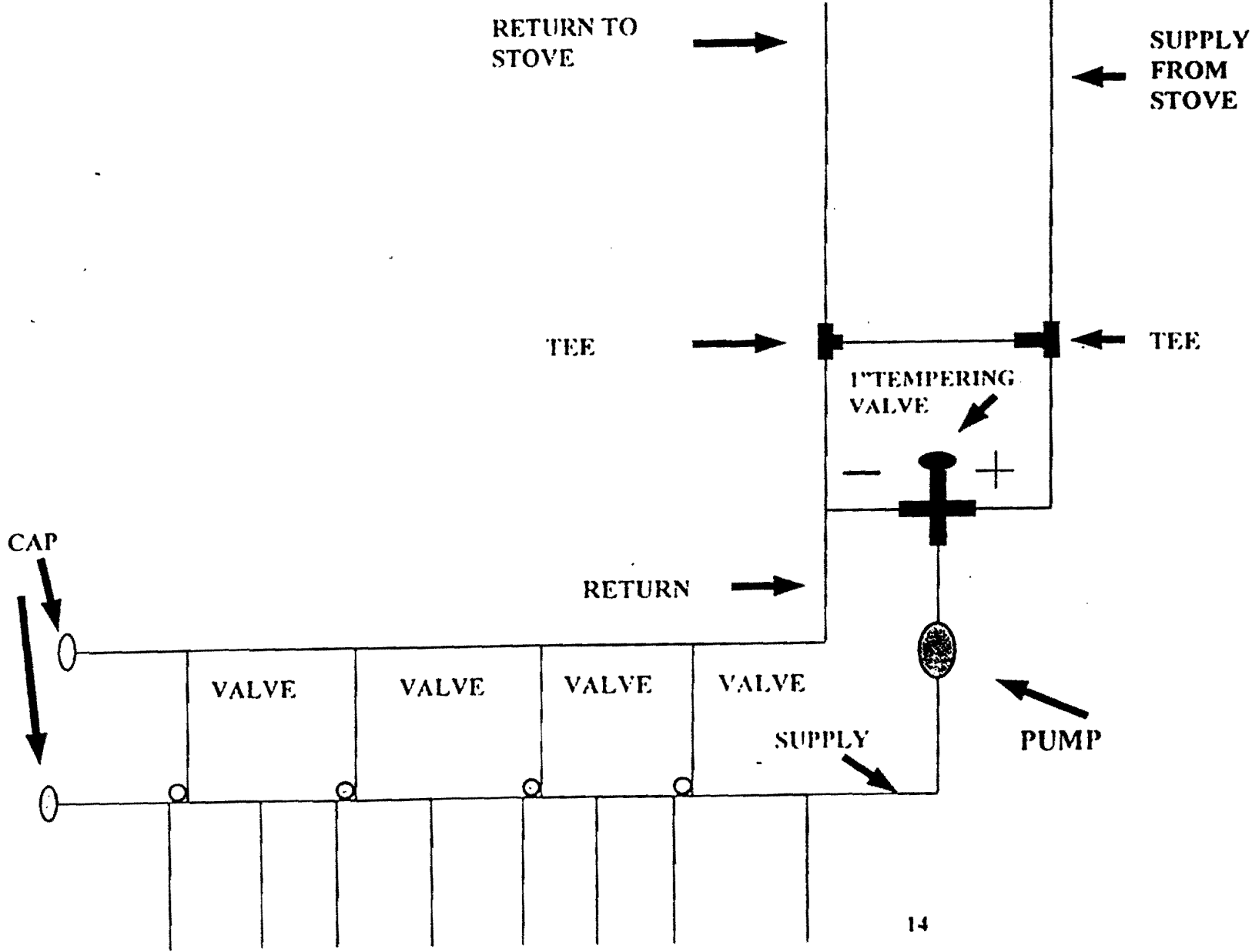


Safety Limit Aquastat - turns furnace fan on if boiler overheats. This should be set 10' higher than fan control aquastat on boiler, but never over 200°F.

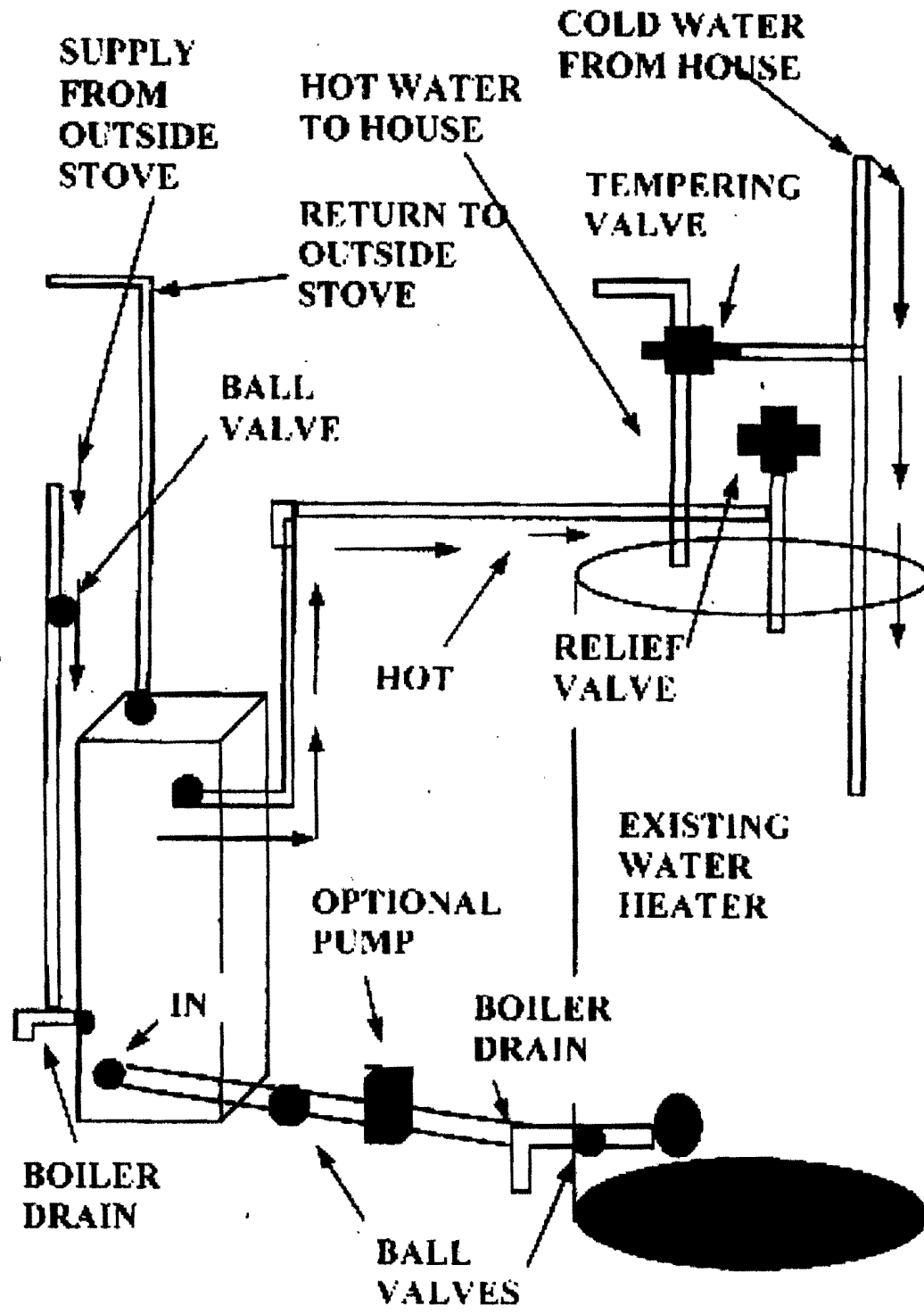
HOOK UP TO EXISTING HOT WATER BOILER



IN-FLOOR HEATING



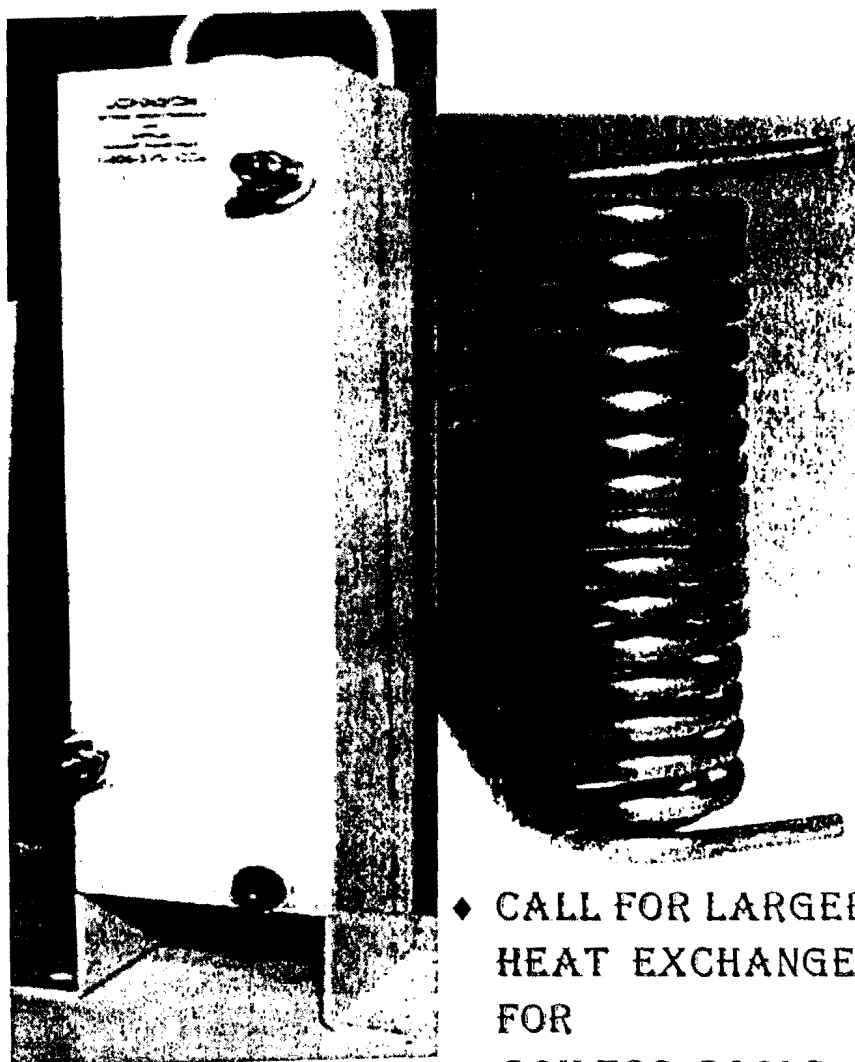
JOHNSON HIGH OUTPUT WATER HEATER HOOKUP



JOHNSON

HIGH OUTPUT HOT WATER HEATER EXCHANGER FOR YOUR DOMESTIC HOT WATER HEATER

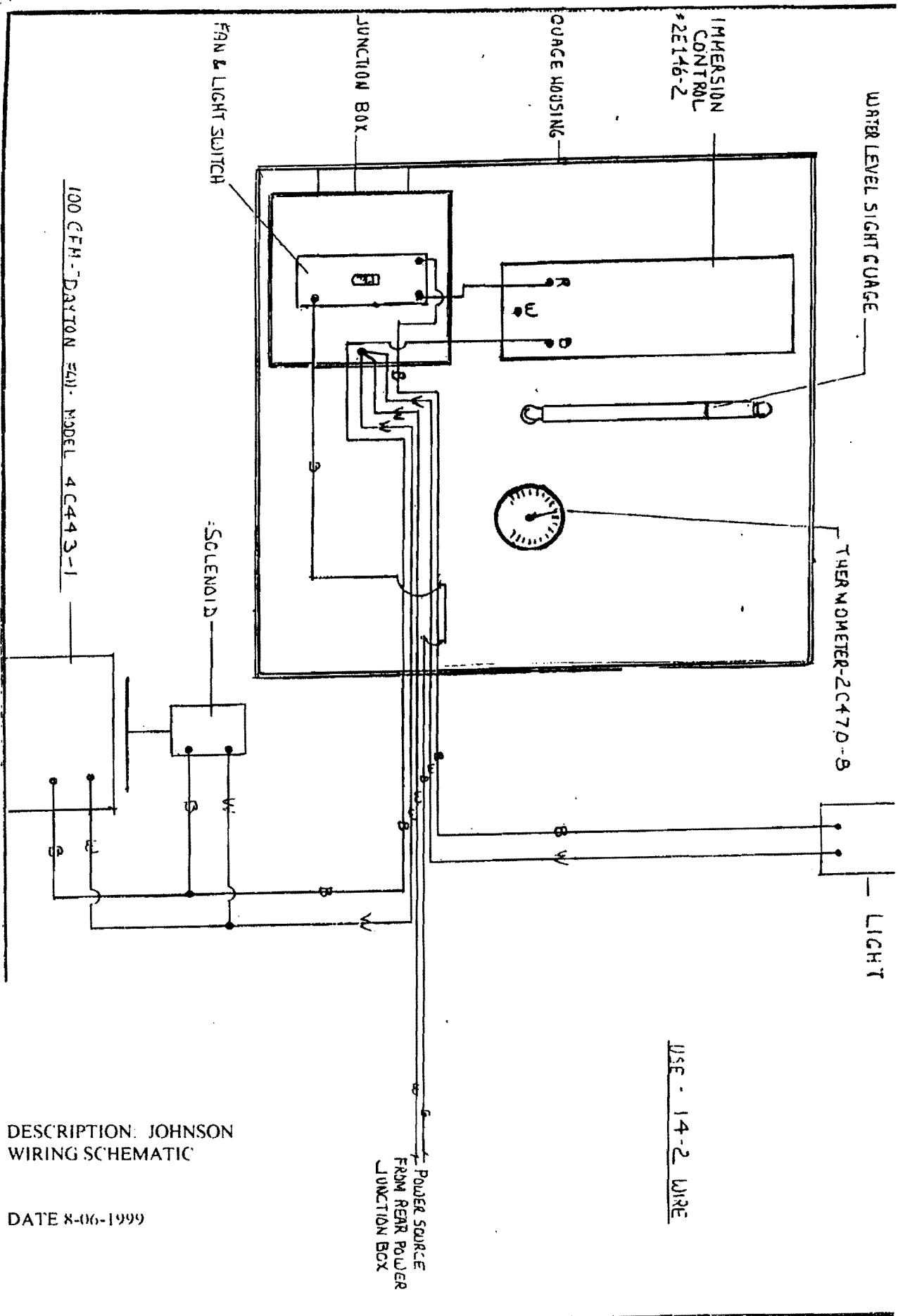
- ◆ USE WITH EXISTING GAS OR ELECTRIC WATER HEATER.
- ◆ OVER 6 TIMES MORE HEAT OUTPUT THAN SIDE ARM HEATERS
- ◆ PRECISION ENGINEERED TO OUTPERFORM OTHER DOMESTIC EXCHANGERS
- ◆ HIGHLY EFFICIENT DESIGN ASSURES MAXIMUM HEAT TRANSFER WITH MINIMAL PRESSURE LOSS
- ◆ FLUIDS ARE HEATED IMMEDIATELY AS THEY PASS THROUGH THE UNIT



- ◆ CALL FOR LARGER HEAT EXCHANGERS FOR BOILERS, POOLS, OR WHERE LARGE DEMAND IS NEEDED

JOHNSON MFG. & SALES INC
N5499 CTY E
OGDENSBURG, WI 54962

PH: 920-244-7581 FAX: 920-244-7580
800-515-4328



DESCRIPTION: JOHNSON
WIRING SCHEMATIC

DATE 8-06-1999

General Background

This unique composite pipe is manufactured and tested in accordance with ASTM Standards F-1281 & F-1282, in addition to the CSA Standards B137.9 and B139.10. It has been certified by and is listed with NSF as meeting the ANSI/NSF 61 Standard for Potable Water.

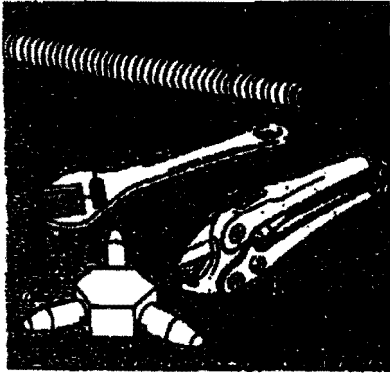
Handling

KITEC Pipe may be supplied in coils or straight lengths. When laying out KITEC, stand the roll upright. Hold down the leading end and roll out the coil. The pipe will lay straight with no tendency to recoil.

Tools Required

To install KITEC pipe, you will need the following:

- KITEC beveling tool
- Plastic pipe cutter
- Suitable bending springs (optional)
- Adjustable end-wrench(s)

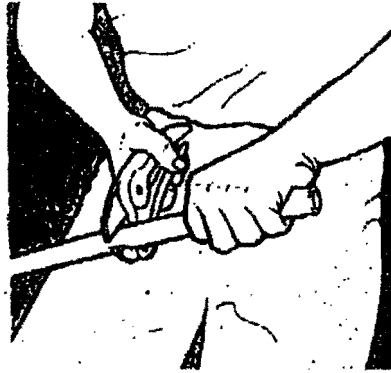
**KITEC Fittings**

A full range of KITEC fittings are available for use with KITEC pipe. Only fittings supplied or approved by IPEX are warranted for use with KITEC pipe.

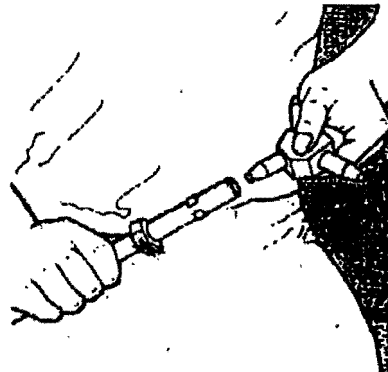
Cutting and Joining KITEC

1. Cut the pipe square. Only a plastic pipe cutter should be used. Ensure that the cutting blade is in good condition and sharp. A hacksaw is not recommended.

2. Remove the nut and split ring from the fitting.

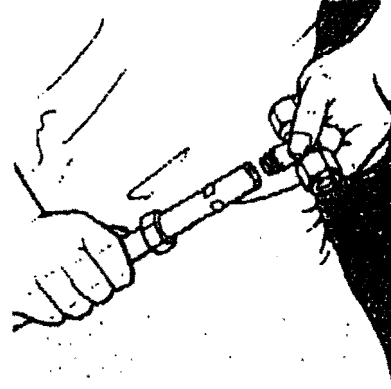


3. Push the nut and split ring onto the pipe. Bevel the inside of the pipe. The fitting will then slip easily into the pipe without damaging the O-ring.



4. Push the fitting fully home in the pipe. If necessary, at this point, the fitting can be rotated in the pipe to facilitate threading onto a valve, tee, etc.

Tighten the nut by hand, plus one full turn with a wrench.



5. If it is necessary to remove the fitting, release the nut, remove the split ring and pull the fitting off the pipe. Before reassembling the joint, inspect the split ring and O-rings and replace them if necessary.

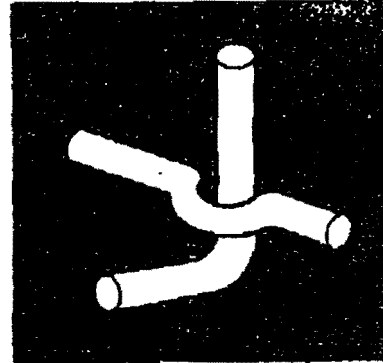
Bending KITEC Pipe

KITEC pipe is easy to bend and unlike plastic pipes, retains the shape of the bend. External bending springs and standard tube benders are available.

1/2", 5/8" and 3/4" are easily bent by hand and unless the bend radius is near the recommended limit of 5D (five times the diameter of the pipe), a bending tool will not be needed.

Crossovers

KITEC's flexibility allows you to form crossovers by hand without the need for fittings.



JOHNSON

NEW FURNACE DELIVERY CHECK SHEET

CONGRATULATIONS! ON THE PURCHASE OF YOUR NEW JOHNSON OUTSIDE FURNACE! WE ARE PLEASED YOU HAVE CHOSEN JOHNSON AND WE WISH YOU MANY YEARS OF ENJOYABLE WOOD HEAT.

Sincerely, _____
DEALER

DEALERSHIP NAME

DELIVERY CHECK LIST

CUSTOMER APPROVAL

- = Review owners manual
- = Describe installation methods and recommendations.
- = Review warranty and service requirements.
- = Explain required maintenance schedule.
- = Demonstrate safety hazards and proper operation.
- = Describe possible problems caused by different wood/conditions.

I HAVE INSPECTED MY NEW JOHNSON OUTSIDE FURNACE AND ACKNOWLEDGE THAT ALL ITEMS ON THE DELIVERY CHECK LIST HAVE BEEN THOROUGHLY REVIEWED WITH ME BY THE SALESPERSON. I ASSUME ALL RESPONSIBILITY FOR THE OPERATION AND MAINTENANCE.

Customer Signature

Date

MODEL _____
S/N _____
DATE _____

AFTER 2 YEARS OF OWNERSHIP (JMSI) WILL PAY A PERCENTAGE OF REPAIRS OR REPLACEMENT COSTS AS FOLLOWS:

3RD YEAR- 66%	4TH YEAR - 60%	5TH YEAR-52%
6TH YEAR- 46%	7TH YEAR - 40%	8TH YEAR-32%
9TH YEAR -25%	10TH YEAR - 20%	11TH YEAR-12%
12TH YEAR - 10%		

OWNERS REGISTRATION CARD MUST BE FILLED OUT AND MAILED TO JOHNSON MFG. & SALES INC. FOR WARRANTY TO BE IN EFFECT.

Keep this for your records

REGISTRATION

DATE _____

Please Print

PURCHASER'S NAME _____
LAST FIRST INTIAL

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE: _____ MODEL _____ SERIAL NUMBER _____

DATE OF PURCHASE _____

DEALERS NAME _____

"I HAVE READ, UNDERSTOOD AND AGREE TO CONDITIONS OF THIS WARRANTY"

DEALER SIGNATURE _____

CUSTOMER SIGNATURE _____

MAIL THIS PORTION BACK TO JOHNSON

REGISTRATION

Please Print

PURCHASER'S NAME _____
LAST FIRST INTIAL

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____ MODEL _____ SERIAL NUMBER _____

DATE OF PURCHASE _____

DEALERS NAME _____

"I HAVE READ, UNDERSTOOD AND AGREE TO CONDITIONS OF THIS WARRANTY"

CUSTOMERS SIGNATURE _____

FREEZE PROTECTION

ETHYLENE AND PROPYLENE GLYCOL HAVE THE ABILITY TO LOWER THE FREEZING POINT OF WATER, THEREFORE PROTECTING THE SYSTEM IN SUB-ZERO CLIMATES. THESE FLUIDS CAN BE ADDED TO THE WATER IN A KITEC HEATING SYSTEM IF FREEZING IS A CONCERN.

ETHYLENE GLYCOL HAS BETTER PHYSICAL PROPERTIES THAN PROPYLENE GLYCOL, ESPECIALLY AT LOWER TEMPERATURES. HOWEVER, PROPYLENE GLYCOL IS LESS TOXIC AND IS PREFERRED FOR APPLICATIONS INVOLVING POSSIBLE HUMAN CONTACT. WHEN USING GLYCOL WITH POTABLE WATER SYSTEMS SOME FORM OF ISOLATION SHOULD BE PROVIDED TO AVOID CONTAMINATION OF POTABLE WATER SOURCES (HEAT EXCHANGER).

ETHYLENE GLYCOL SOLUTIONS SHOULD NOT BE USED DIRECTLY IN A BOILER BECAUSE OF THE DANGER OF CHEMICAL CORROSION CAUSED BY GLYCOL BREAKDOWN ON THE HEATING SURFACE.

IF A 50/50 GLYCOL/WATER MIXTURE IS USED THE HEAD LOSS IN THE PIPE SHOULD BE INCREASED BY 50% FOR THE SAME FLOW RATE.

THE USE OF AUTO ANTIFREEZE IS NOT PERMITTED. THIS WILL CAUSE FOULING OF METAL COMPONENTS, PUMP, SEAL WEAR, FLUID GELATION AND REDUCED HEAT TRANSFER BECAUSE OF THE SILICATE PRESENT IN AUTOMOBILE ANTIFREEZE.

PRO-RATED WARRANTY LIMITED 12 YEAR WARRANTY

JOHNSON MFG & SALES INC (JMSI) WARRANTS THE JOHNSON FURNACE'S TO THE ORIGINAL USER AGAINST DEFECTS IN WORKMANSHIP OR MATERIALS UNDER NORMAL USE FOR 12 YEARS AS PER PRO-RATED SCHEDULE AND THE FOLLOWING CONDITIONS NO OTHER WARRANTY IS EXPRESSED OR IMPLIED

THIS WARRANTY EXCLUDES ALL ELECTRICAL COMPONENTS. FANS, BAFFLES, PUMPS, AQUASTATS, GAUGES, RELAYS, VALVES, HEAT EXCHANGERS DOOR GASKETS, INTERNAL COMBUSTOR AND SHOVEL. THESE ITEMS ARE WARRANTED FOR A PERIOD OF ONE YEAR BY THE SPECIFIC MANUFACTURER, UNDER NORMAL USE.

ANY FURNACE WHICH IS DETERMINED TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP WITHIN THE FIRST 2 YEARS AND IS RETURNED TO (JMSI, WHICH IN OUR JUDGMENT SHOWS EVIDENCE OF SUCH DEFECT WILL BE REPAIRED OR REPLACED(JMSI'S CHOICE), PROVIDED THAT THE DEFECTIVE PART SHALL BE RETURNED PREPAID TO THE FACTORY OR TO AN ALTERNATIVE DESIGNATED SERVICE CENTER RETURN TRANSPORTATION AND INSTALLATION ARE THE RESPONSIBILITY OF THE CUSTOMER AND SUCH ARE NOT COVERED UNDER WARRANTY.

THE JOHNSON FURNACE'S ARE DESIGNED TO BE LEAST SUSCEPTIBLE TO CORROSION SINCE (JMSI) HAS NO CONTROL OVER THE ENVIRONMENT AND THE OWNERS MAINTENANCE OF THE PRODUCT, RESPONSIBILITY FOR THE CORROSION CONTROL IS THE SOLE RESPONSIBILITY OF THE OWNER (SEE OWNERS MANUAL FOR PROPER MAINTENANCE)

ALL DECISIONS PERTAINING TO WARRANTY ACCEPTANCE ARE THE SOLE RESPONSIBILITY OF (JMSI) NO OTHER PERSON OR REPRESENTATIVE IS AUTHORIZED TO MAKE ANY WARRANTY DECISIONS YOUR ORIGINAL DATED BILL OF SALE IS REQUIRED TO RECEIVE IN-WARRANTY SERVICE

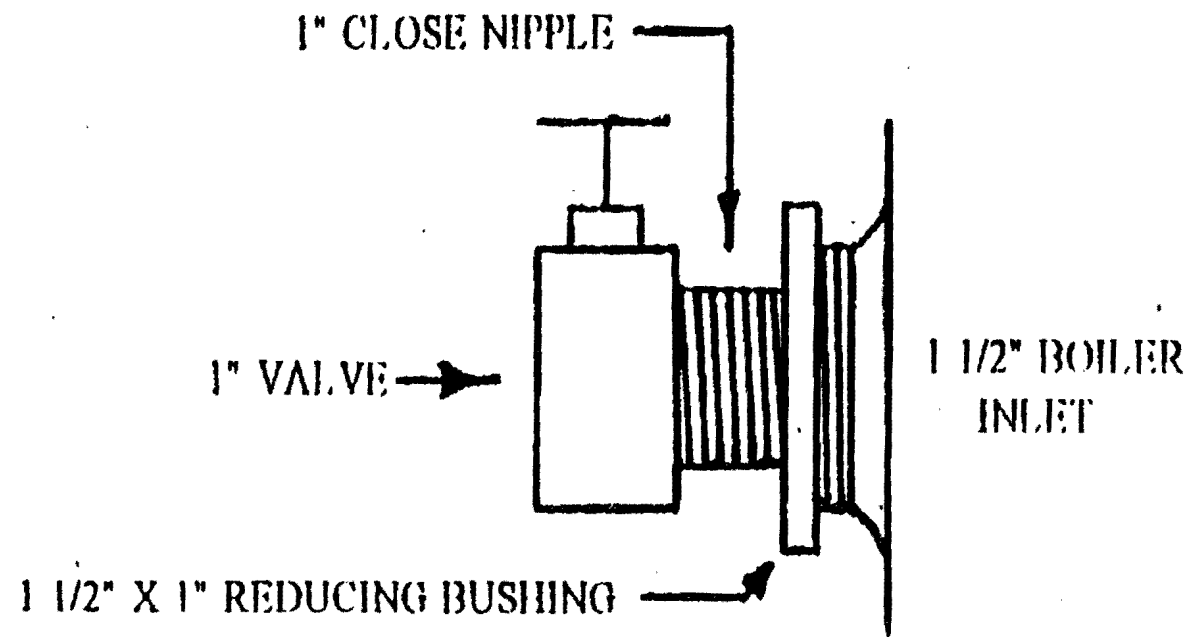
THE JOHNSON FURNACE IS NOT INTENDED TO BE THE ONLY SOURCE OF HEAT AND A BACKUP SYSTEM MUST BE IN PLACE TO PREVENT DAMAGES SHOULD THE JOHNSON OUTSIDE FURNACE MALFUNCTION

JOHNSON DOES NOT WARRANT ANY PHYSICAL DAMAGE CAUSED BY ABUSE, OVERHEATING, TAMPERING, ALTERATIONS, FREEZING, ACCIDENTS, NEGLIGENCE OR UNAUTHORIZED WORK DONE TO FURNACE METAL FATIGUE METAL BREAKAGE AND OR WARPAGE OF COMPONENT IS NOT COVERED UNDER WARRANTY IF SERIAL NUMBER IS REMOVED OR ALTERED WARRANTY WILL NOT APPLY

FACTORY AUTHORIZED FILTER AND HI-LIMIT SWITCH MUST BE INSTALLED IN PLUMBING HOOKUP

JOHNSON IS NOT RESPONSIBLE FOR THE COST OF PLUMBING, REPLACEMENT OF ANTIFREEZE, ANY COST OTHER THAN THE COST OF THE REPLACEMENT PART.

BOILER PACKAGE FOR BOILER OUTLET AND INLET



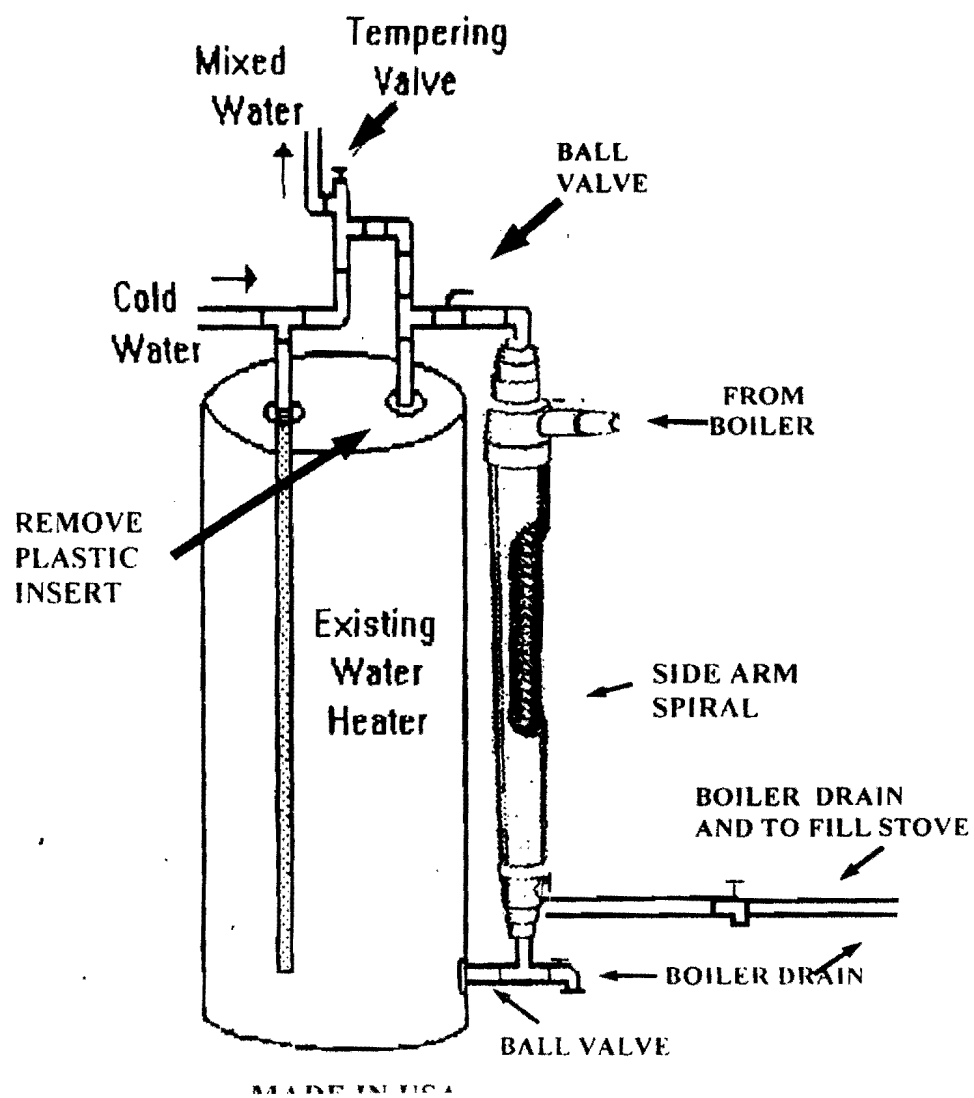
MOST INSTALLATIONS MAY REQUIRE AN ELBOW.

**SIDE ARM SPIRAL
FOR DOMESTIC WATER HEATER
HEAT EXCHANGER CAN ENHANCE BTU/HR
EXCHANGE UP TO 50% OVER PLAIN TUBE**

THE RESULT IS:

THE FASTEST MOST EFFICIENT SIDE ARM SPIRAL HEATER MADE

- ♦ **USE WITH EXISTING GAS OR ELECTRIC WATER HEATERS**
- ♦ **MORE EFFICIENT**
- ♦ **TURBULENCE INSIDE AND OUT**
- ♦ **PREFIT AND READY TO INSTALL**
- ♦ **WITH MIXING VALVE TO CONTROL WATER TEMPERATURE**
- ♦ **HEAVY LOAD DEMANDS SUCH AS:
MOTELS, LAUNDROMATS, AND RESTURANTS, WE SUGGEST USING
TWO OR MORE IN SERIES**



FIREWOOD FACTS

Measurement of Wood

A standard cord of wood has a volume of 128 cubic feet and is 4 feet high, 4 feet wide and 8 feet long. Face cords or short cords do not have standard measurements and volumes cannot be determined. This term should not be used to purchase wood.

Number of Trees Required to Yield One Standard Cord

<u>Diameter of Tree Measured at Chest Height</u>	<u>Deciduous</u>	<u>Coniferous</u>
7	15	20
8	11	13
9	8	10
10	5	8
12	4	6
14	3	3.7
16	2	2.5
18	1.5	1.9

Heating Value of Wood

When burning wood it is essential to have the wood as dry as possible in order to produce more heat per pound of fuel, thereby obtaining a higher heat value and also

Air-dried wood contains approximately 20% moisture and will yield about 5,800 BTU's per pound. Green wood containing about 60% moisture will yield only 4,100 BTU's per pound. The heavier the weight of dry wood, the more BTU's per cord.

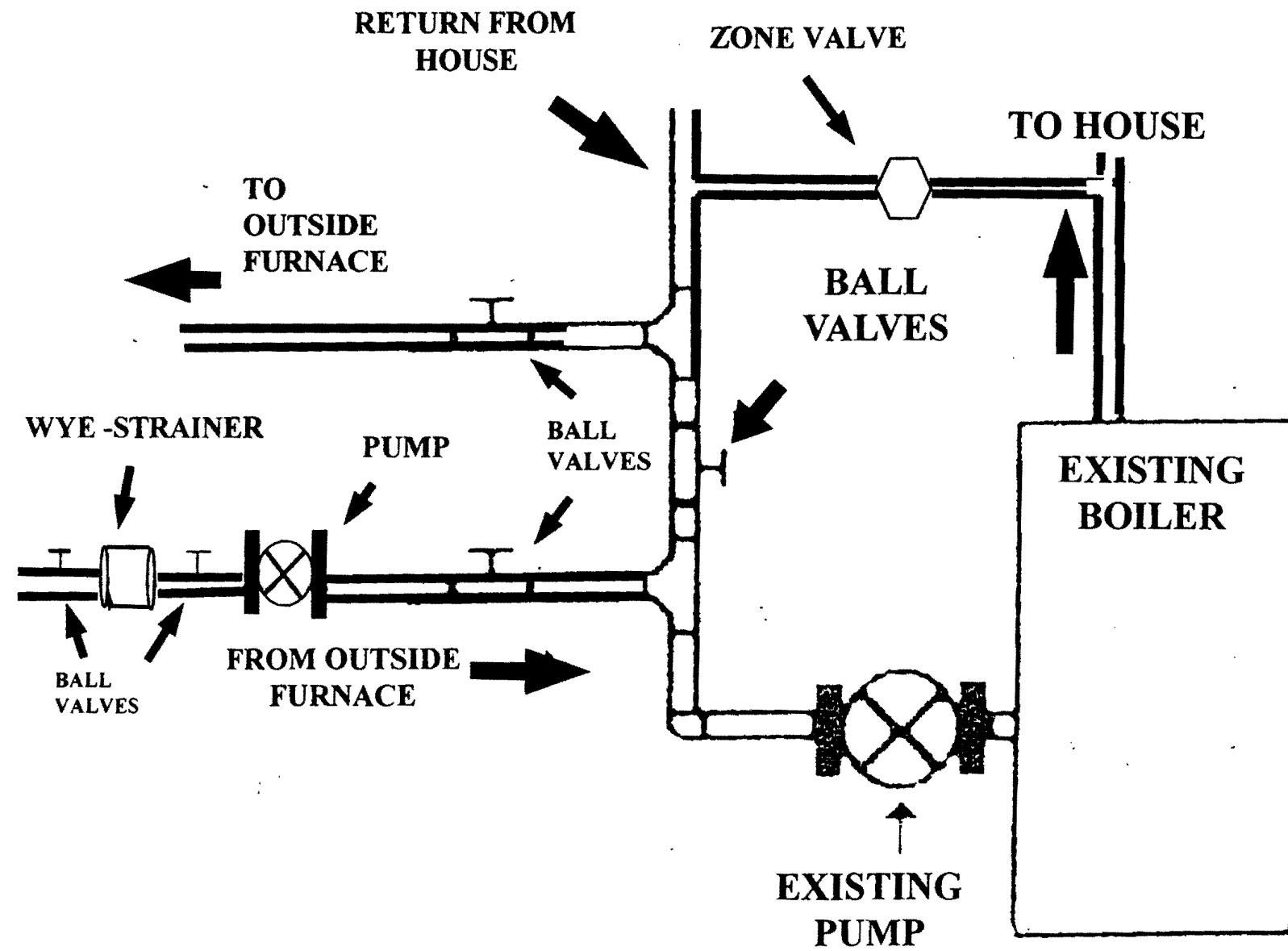
Heating Value per Air-Dried Cord in BTU's

White Oak	30,600,000	Poplar	17,260,000
White Elm	24,500,000	White Pine	17,100,000
Tamarack	24,000,000	Basswood	17,000,000
White Birch	23,400,000	White Cedar	16,300,000
Black Ash	22,600,000	White Spruce	16,200,000
Manitoba Maple	19,300,000	Balsam Fir	15,500,000

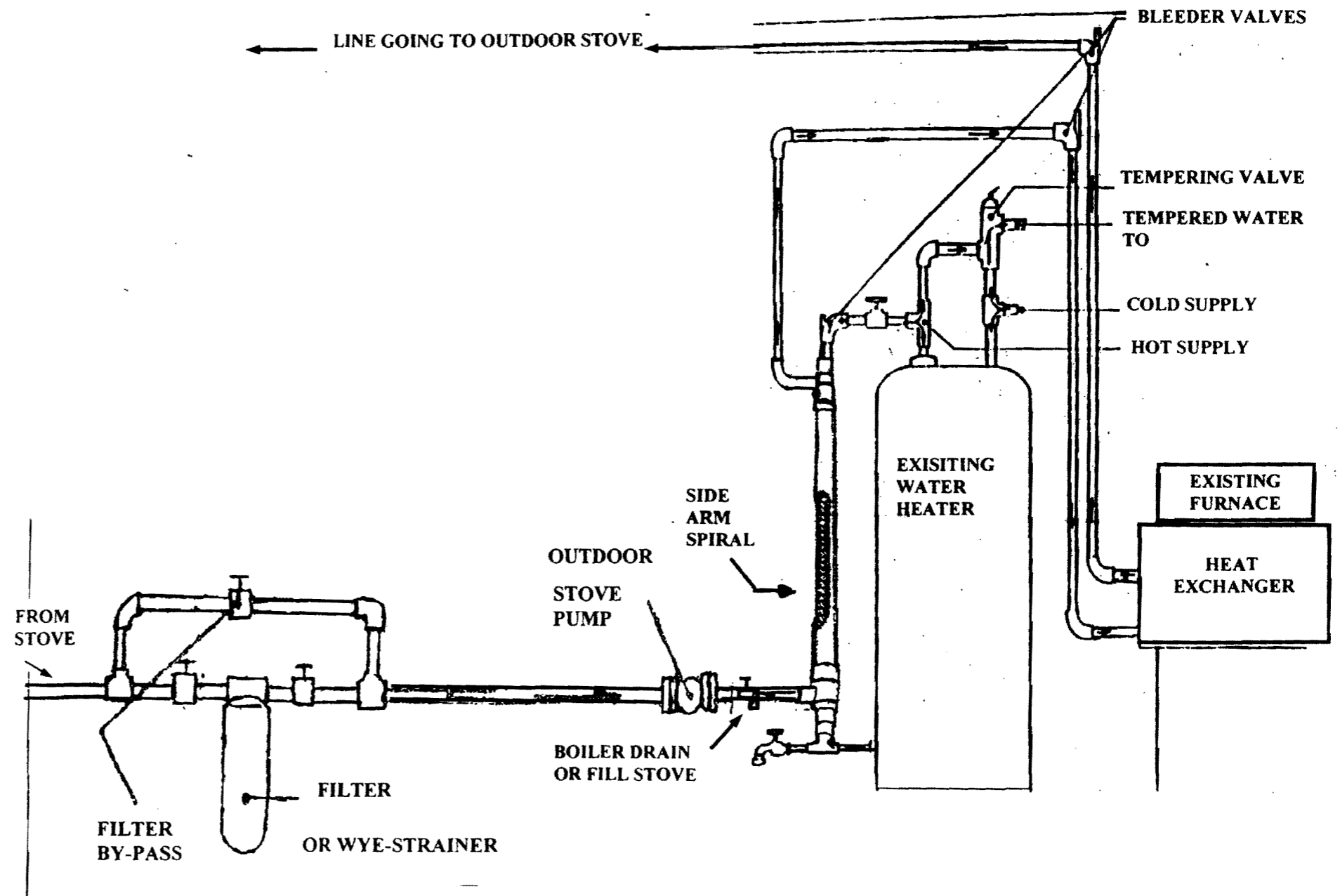
JOHNSON MFG. & SALES, INC.
N5499 CTY E
OGDENSBURG, WI 54962

PH: 920-244-7581
FAX: 920-244-7580
800-515-4328

HOT WATER BOILER INSTALLATION HOOKING UP DIRECT WITHOUT HEAT EXCHANGER



HOOK UP FOR EXISTING FORCED AIR FURNACE



FIRING THE FURNACE

Start with a small fire and add to it as needed. The fire will continue to burn until operating temperature has been reached. During the initial burn the waterjacket will sweat for up to two days, this is normal and this moisture does not indicate a leak.

Establish a routine for the storage of fuel, care of the appliance and firing techniques. Do Not overfill the furnace with fuel. Correspond the amount of wood per fill to the outside temperature. Only add enough wood to meet the time between fills. Filling the furnace to the maximum may cause excessive creosote, and result in more wood consumption. It is better to add small amounts of wood twice a day than larger amounts once a day. A small intense fire is preferable to a large smoldering fire to reduce the amount of creosote deposition. In loading do not bang wood against furnace end wall or damage may result.

Remove ashes through ash door with shovel as needed. Ash removed should be stored for 5 days in tightly sealed metal container before disposing of.

*****CAUTION***** Do Not leave door open for long periods when adding wood. Failure to do so may cause furnace to overheat.

*****CAUTION***** Do Not use this furnace with an automatic Stoker

ON GOING MAINTENANCE

YEAR ROUND MAINTENANCE:

ALWAYS USE A FILTER SYSTEM. ALWAYS USE OXYGEN SCAVENGER CHEMICAL.

DAILY MAINTENANCE:

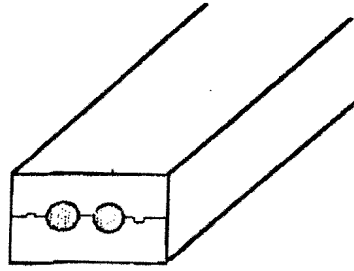
CHECK WATER LEVEL AND ADD AS REQUIRED. CHECK DOOR GASKET FOR PROPER SEAL. CHECK FOR CREOSOTE BUILDUP AND CLEAN AS REQUIRED.

WEEKLY MAINTENANCE:

REMOVE ASHES AS REQUIRED. CHECK BYPASS AND CHIMNEY FOR EXCESS CREOSOTE AND REMOVE. CHECK DOOR GASKET.

PREFORMED PIPE INSULATION**RECTANGULAR**

Thermal Value:
R 8.08

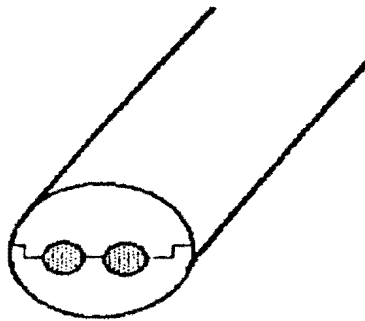


DIMENSIONS:
8" x 5 1/2" x 48"

Underground Preformed Pipe Insulation is a Type II Polystyrene foam which is suitable and recommended for use in contact with the ground. Its closed cell structure won't absorb water or break down from the heat. The tongue and groove design allows for easy installation with the application of glue on the joining sleeves. It is designed to hold both supply and return lines up to 1-1/2" O.D. For water resistance installation use with plastic insulation cover.

ROUND

6" Diameter
48" Length



For heavy soil where ground water may be a problem, use the round design insulation. This is specially made to fit in the 6" round PVC Pipe thin wall. Slip insulation inside pipe to make a waterproof installation. Round insulation is made of the same Type II Polystyrene as the rectangular listed above.

INSTALLATION

Installation Clearance and Restrictions

Sides 36" Front 48" Back 36" Top 12" Chimney Connection 18"

Chimney recommendation is required by State and Province Law. Connect directly only a chimney, suitable for use with solid fuel. Inspect monthly to insure chimney is clear and in good condition. The method of installing and physically supporting the chimney must follow chimney manufacturers installation procedures. Do not connect this unit to a chimney flue serving another appliance. If the furnace is installed in any building, adequate air supply is required for combustion and ventilation. A continuous Air supply is mandatory.

LOCATION

When locating your Johnson keep in mind the convenience of hauling Wood to the location and the prevailing wind direction. Smoke can cause problems. Additional consideration may include future construction of buildings you may want to heat. NOTE: When placing Furnace downhill from a building being heated, the circulating pump must be mounted on the furnace to insure proper water flow. Pump size and capabilities need to be determined based on distance and amount of lift. Foundation: Place on non-combustible flooring with adequate support.

TRENCH

The trench must be 24 inches deep 10 to 12 inches wide. Place Electrical supply to the bottom of the trench, cover with 6 inches of dirt. The remaining 18 inches of open trench is where water lines are placed. NOTE: If lines travel under a driveway or where heavy equipment travels, the lines should be buried 2 to 3 feet deep. Use pipe insulation.

WIRING

Use electrical wire rated and approved for underground use, which can be buried in the same location as the water lines. All installation must follow provincial, state and local codes.

How to Choose the Correct Components For Outdoor Furnace Installation

(Continued)

Water Baseboard Heaters

Simply mount to wall (outside wall preferred). They come in 2' increments up to 8' but can easily be cut to length. If using don't Skimp. It takes a lot of running footage to heat a house. Again these will be fed from a zone tank and each zone requires a 24-volt Thermostat, 24-volt transformer and a pump. Do not exceed 75' of Total length in each zone. Heat radiates from the baseboard on Demand. This is an excellent passive system since no blowers are Needed.

Floor and Ceiling Pipe

Kitec Pipe (usually 1/2") is mounted in the cement floor and or Ceiling joists. Controls are the same as water baseboard. This is The ultimate passive system. The location of each zone is critical. Professional help should be requested when planning a system.

Water to Water Exchanger

Determine the need from the following:

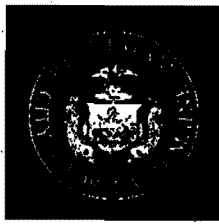
- Small domestic water heater
- Large Domestic water heater
- High demand water heater
- Hot Tubs
- Swimming Pool
- Existing Hot Water Boilers

Call for Information on what will be best for your demand. We have Water to Water, and water to Air Coils for installation's.

Pumps

There are 3 common size Pumps to choose from. The factors That determine the size needed are: (a) size and length of pipe, (b) number of gallons per minute required, (c) height of water to be pumped, (d) number of buildings to be heated, (e) if using a manifold Choose 007 --- small building/single dwelling under 50 ft pipe run, Lift/ head of under 6 ft.

Choose 009 - over 50 ft or when manifold is used.



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Penny St. Louis Littell

Inspection Services Director
Tammy Munson

January 30, 2009

Steve Fowler-Greaves
661 Allen Avenue
Portland, ME 04103

RE: 661 Allen Ave., Permit # 071319
CBL: 398-B-016001

Certified Mail # 7007 2560 0002 3788 5886

Dear Mr. Fowler-Greaves,

This letter is a follow up to the meeting on January 27, 2009 in the Inspections Office at City Hall with you and Bob Greenlaw. Thank you for the timely response to my phone call that day to Bob regarding the installation of the Big John outdoor wood boiler. You confirmed yesterday that this appliance was installed sometime in November of 2007 without benefit of approvals. During my review process, Bob Greenlaw was the primary contact; he did supply additional information per my request. After his last submittal on December 5, 2007 and a subsequent conversation on December 11, I requested further information, which has not been submitted to date:

1. Accurate verification of required clearance to combustibles or compliant reduction method
2. Certification that the appliance meets DEP emissions control standards, setbacks to property lines and stack heights.
3. The extension pipe/stack specifications

The 2003 International Building Code Section 105.3.2 Time limitation of application states:

An application for a permit for any proposed work shall be deemed to have been abandoned 180 after the date of filing, unless such application has been pursued in good faith, or a permit has been issued...

This appliance has been installed in violation of the 2003 International Building Code, Section 113.2, as an approved permit is required. It is also in violation of State Statute 38 M.R.S.A. ss 585-A & ss 610-B, Chapter 150, Control of Emissions From Outdoor Wood Boilers. You are hereby ordered to

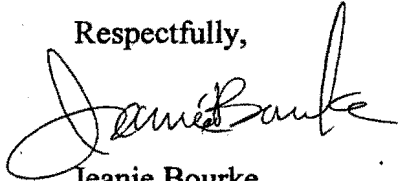
submit the above information for review within 30 days of the date of this letter. If the permit cannot be approved due to nonconformance with state statutes or local codes, the appliance shall be removed and abandoned from use within 7 days of the denial of permit letter date. Failure to comply will result in this office referring the matter to the City of Portland Corporation Counsel for legal action and possible civil penalties, as provided for in Section 6-1 of the Code and in Title 30-A M.R.S.A. ss 4452.

This is an appealable decision per Section 6-112.0 of the Municipal Building Code of the City of Portland.

Per our conversation, I understand you will be out of town until mid February. You stated your intention is to pursue an alternate system that is compliant, if the existing appliance does not satisfactorily meet code. Should you decide this route, a separate application for review shall be submitted with plans for the proposed replacement system.

Please feel free to contact me @ 874-8715 if you have any questions regarding this matter.

Respectfully,



Jeanie Bourke
CEO/Plan Reviewer

Cc. Bob Greenlaw



CITY OF PORTLAND, MAINE
Department of Building Inspections

10.18 2007

Received from _____

Location of Work 661 Allen Ave

Cost of Construction \$ 6000.00

Permit Fee \$ 80.00

Building (IL) ___ Plumbing (IS) ___ Electrical (I2) ___ Site Plan (U2) ___

Other _____

CBL: 398 5016

Check #: CP57

Total Collected \$ 80.00

THIS IS NOT A PERMIT

No work is to be started until PERMIT CARD is actually posted upon the premises. Acceptance of fee is no guarantee that permit will be granted. PRESERVE THIS RECEIPT. In case permit cannot be granted the amount of the fee will be refunded upon return of the receipt less \$10.00 or 10% whichever is greater.

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy

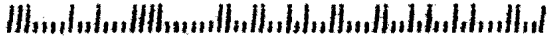
UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

DEPT OF PLANNING & URBAN DEVELOPMENT
PORTLAND CITY HALL ROOM 315
389 CONGRESS STREET
PORTLAND, MAINE 04101



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

**Steve Fowler-Greaves
661 Allen Ave
Portland, Maine 04103**

398 B016

2. Article Number
(Transfer from service label)

7007 2560 0002 3788 5886

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

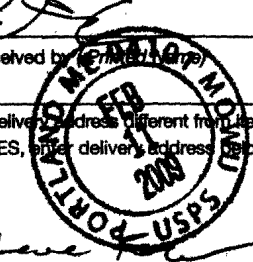
B. Received by (Print Name) C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

Steve Fowler-Greaves

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes



U.S. Postal Service

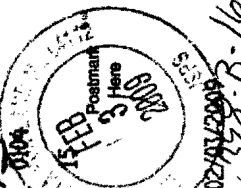
CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

PROFESSIONAL USE

Postage	\$ 00.42
Certified Fee	\$2.70
Return Receipt Fee (Endorsement Required)	\$2.20
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 04.32



Sent to Steve Fowler - Greaves
 Street, Apt. No. 667 Allen Ave
 or PO Box No. Portland, ME 04103
 City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

2007 2560 0002 3788 5886