

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT



This is to certify that MICHAELA PIECHOWSKI

Located At 23 SAVOY

Job ID: 2011-03-509-HVAC

CBL: 428 - - K - 015 - 001 - - - -

City of Portland

has permission to Install Peerless / Burnham in Basement

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY.

PENALTY FOR REMOVING THIS CARD

PERMIT ISSUED

BUILDING PERMIT INSPECTION PROCEDURES

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

or email: buildinginspections@portlandmaine.gov

MAR 18 2017
City of Portland

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

1.

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

PERMIT ISSUED



PORTLAND MAINE
City of Portland

MAR 18 2011

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

Director of Planning and Urban Development
Penny St. Louis

Job ID: 2011-03-509-HVAC

Located At: 23 SAVOY

CBL: 428 - - K - 015 - 001 - - - -

Conditions of Approval:

Zoning

1. This is NOT an approval for an additional dwelling unit. You SHALL NOT add any additional kitchen equipment including, but not limited to items such as stoves, microwaves, refrigerators, or kitchen sinks, etc. without special approvals.
2. This property shall remain a three (3) family dwelling. Any change of use shall require a separate permit application for review and approval.

Fire

Fire Conditions:

Installation shall comply with City Code Chapter 10.

Installation shall comply with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*;

NFPA 31, *Standard for the Installation of Oil-Burning Equipment*;

NFPA 54, *National Fuel Gas Code*,

Install shall follow the manufacturer's published instructions.

Capt. Gautreau

Building

1. Installation shall comply with 2003 International Mechanical Code and State of Maine Oil and Solid Fuel Board Laws and Rules.
2. This appliance/stove shall be installed, operated and maintained per the manufacturers specifications and the UL listing.

City of Portland, Maine - Building or Use Permit Application

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

PERMIT ISSUED

MAR 18 2011

Job No: 2011-03-509-HVAC	Date Applied: 3/1/2011	CBL: 428 - - K - 015 - 001 - - - -	
Location of Construction: 23 SAVOY ST	Owner Name: MICHAEL A PIECHOWSKI	Owner Address: 23 SAVOY ST PORTLAND, ME - MAINE 04103	Phone: City of Portland
Business Name:	Contractor Name: Fusco, Tony	Contractor Address: 15 ELEANOR ST PORTLANDMAINE04101	Phone: 831-2910
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC - HVAC	Zone: R-5
Past Use: Three residential unit building	Proposed Use: SAME: Three residential unit building - to replace boiler	Cost of Work: 4000.00	CEO District:
		Fire Dept: ☒ Approved w/conditions ☐ Denied ☐ N/A	Inspection: Use Group: Type:
		Signature: CAPT. R. Sauters	Signature:
Proposed Project Description: 23 Savoy- To replace boiler		Pedestrian Activities District (P.A.D.)	
Permit Taken By:		Zoning Approval	

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 informatin may invalidate a building permit and stop all work.

Special Zone or Reviews

- ☐ Shoreland
☐ Wetlands
☐ Flood Zone
☐ Subdivision
☐ Site Plan
☐ Maj ☐ Min ☐ MM

Date: OK with

Conditioning w/ 3/3/11

CERTIFICATION

Zoning Appeal

- ☐ Variance
☐ Miscellaneous
☐ Conditional Use
☐ Interpretation
☐ Approved
☐ Denied

Date:

Historic Preservation

- ☒ Not in Dist or Landmark
☐ Does not Require Review
☐ Requires Review
☐ Approved
☐ Approved w/Conditions
☐ Denied

Date:

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 appication 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

PHON



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 23 SAVOY Use of Building RENTAL Date 3/1/2011
Name and address of owner of appliance MIKE PIECHOWSKI 23 SAVOY ST
PORTLAND ME
Installer's name and address TONY FUSCO 15 ELKANOR ST
PORTLAND ME 04103 Telephone 831-2910

Location of appliance:

- ☒ Basement ☐ Floor
☐ Attic ☐ Roof

Type of Fuel:

- ☒ Gas ☐ Oil ☐ Solid

Appliance Name: PEERLESS / BURNHAM

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 # MS 30012787
☒ 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 275

Number of Tanks 2

Distance from Tank to Center of Flame 16 feet.

Cost of Work: \$ 4000

Permit Fee: \$ 60

Approved

Fire: _____

Ele.: _____

Bldg.: _____

Approved with Conditions

- ☐ See attached letter or requirement

Signature of Installer Anthony J Fusco

Inspector's Signature _____

Date Approved _____

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

Fire Conditions:

Installation shall comply with City Code Chapter 10.

Installation shall comply with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*;

NFPA 31, *Standard for the Installation of Oil-Burning Equipment*;

NFPA 54, *National Fuel Gas Code*,

Install shall follow the manufacturer's published instructions.

Capt. Gautreau

Job Summary Report
Job ID: 2011-03-509-HVAC

Report generated on Mar 3, 2011 9:31:04 AM

Page 1

Job Type:	HVAC	Job Description:	23 Savoy	Job Year:	2011
Building Job Status Code:	Initiate Plan Review	Pin Value:	769	Tenant Name:	
Job Application Date:		Public Building Flag:	N	Tenant Number:	
Estimated Value:	4,000	Square Footage:			
Related Parties:	MICHAEL PIECHOWSKI		<i>Property Owner</i>		
	Tony Fusco		<i>MECHANICAL CONTRACTOR</i>		

Job Charges

Fee Code Description	Charge Amount	Permit Charge Adjustment	Net Charge Amount	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Net Payment Amount	Outstanding Balance
Job Valuation Fees	\$60.00		\$60.00	3/2/11	1611	\$60.00		\$60.00	\$0.00

Location ID: 43588

Location Details

Alternate Id	Parcel Number	Census Tract	GIS X	GIS Y	GIS Z	GIS Reference	Longitude	Latitude
C72655	428 K 015 001		M				-70.261533	43.683561

Location Type	Subdivision Code	Subdivision Sub Code	Related Persons	Address(es)
1				23 SAVOY STREET WEST

Location Use Code	Variance Code	Use Zone Code	Fire Zone Code	Inside Outside Code	District Code	General Location Code	Inspection Area Code	Jurisdiction Code
THREE FAMILY		NOT APPLICABLE					DISTRICT 5	EAST DEERING

Structure Details

Structure: Single Family Home

Occupancy Type Code:

Structure Type Code	Structure Status Type	Square Footage	Estimated Value	Address
Single Family	0			23 SAVOY STREET WEST

Longitude	Latitude	GIS X	GIS Y	GIS Z	GIS Reference	User Defined Property	Value

Permit #: 20111613

Permit Data

Location Id	Structure Description	Permit Status	Permit Description	Issue Date	Reissue Date	Expiration Date
43588	Single Family Home	Initialized	Install Peerless / Burnham in Basement			

Legal 3m per microfiche

Not in Queue

Stamped in 3/1/11

Job Summary Report
Job ID: 2011-03-509-HVAC

Report generated on Mar 3, 2011 9:31:04 AM

Page 2

Inspection Details

Inspection Id	Inspection Type	Inspection Result Status	Inspection Status Date	Scheduled Start Timestamp	Result Status Date	Final Inspection Flag
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Fees Details

Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Payment Adj Comment
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City of Portland, Maine
Memorandum

To: Marge Schmuckal, Zoning Administrator

From: Mary P. Davis, Loan Officer *Mary P. Davis*

Subject: Verification of Legal Number of Units

Date: 10/27/99

C-B-L- Number: 428-K-15

We have received an application for housing assistance for the property located at:

23 Savoy Street

The applicant's name is: Michael Piechowski
(current owner: Gregory Curran)

In completing the application the applicant has indicated that the number of units currently in use at this property is 3.

Please verify that the number of units are legal under the current code.

- ☒ Yes, the number of units are legal. *per microfiche*
- ☐ No, the number of units do not coincide with City records or the Land Use Code. According to City records the legal number of units for this property is _____.
- ☐ The property is a single family dwelling.

Verified By:

Marge Schmuckal

Title:

Zoning Admin.

11/19/99

SECTION I: PRE-INSTALLATION

A. **INSPECT SHIPMENT** carefully for any signs of damage.

1. All equipment is carefully manufactured, inspected and packed. Our responsibility ceases upon delivery of crated boiler to the carrier in good condition.
2. Any claims for damage or shortage in shipment must be filed immediately against the carrier by the consignee. No claims for variances from, or shortage in orders, will be allowed by the manufacturer unless presented within sixty (60) days after receipt of goods.

B. **LOCATE BOILER** in front of final position before removing crate. See Figure 1.

1. LOCATE so that vent pipe connection to chimney will be short and direct.
2. BOILER IS SUITABLE FOR INSTALLATION ON COMBUSTIBLE FLOOR. Boiler cannot be installed on carpeting.
3. FOR BASEMENT INSTALLATION, provide a solid elevated base, such as concrete, if floor is not level, or if water may be encountered on floor around boiler.
4. PROVIDE RECOMMENDED SERVICE CLEARANCE, if applicable, as follows:
 - a. Clearance from Jacket Front Panel -
 - 24" for servicing burner
 - 24" for flueway cleaning (MST288 & MST396)

- 30" for flueway cleaning (MST513)
- 36" for flueway cleaning (MST629)

b. Clearance from Jacket Left Side Panel -

- 19" for burner swing door, if opened fully with burner mounted, otherwise 1" with burner removed
- 12" access clearance to service rear of boiler if right side clearance is less than 12"
- 1" minimum if right side clearance is 12" or larger to access and service rear of boiler.

c. Clearance from Jacket Right Side Panel -

- 6" minimum from external Electrical Enclosure if left side clearance is 12" or larger to access and service rear of the boiler
- 24" minimum from rear tankless heater (if equipped) for servicing and removal of the heater

d. Clearance from Jacket Rear Panel -

- 12" minimum for rear smokebox cleaning

(Note: This dimension will also be controlled by horizontal to vertical to horizontal smokepipe arrangement - See Figures 2 and 14.)

5. For minimum clearances to combustable materials. See Figure 2.

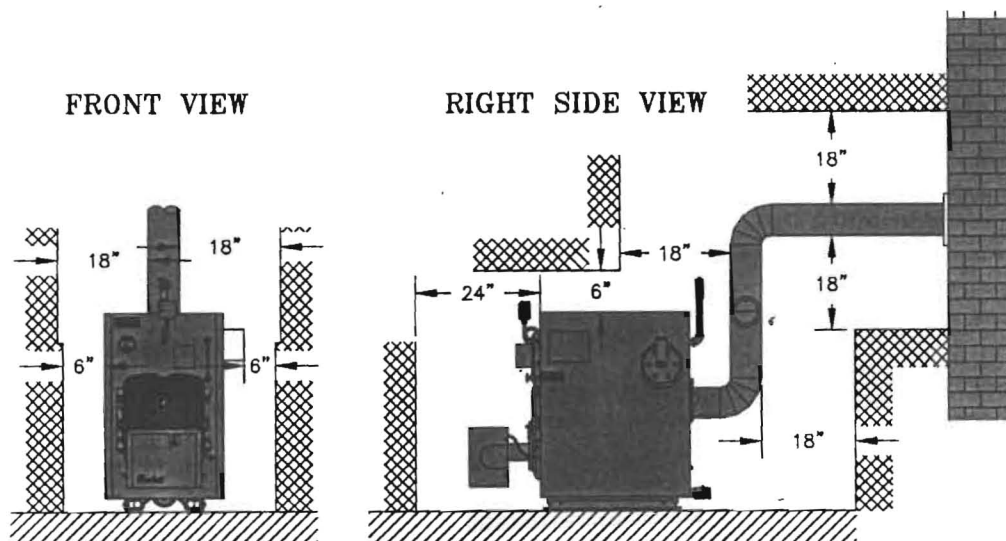


Figure 2: Minimum Installation Clearances To Combustible Materials (Inches)

NOTES:

1. Listed clearances comply with American National Standard ANSI/NFPA 31, Installation of Oil Burning Equipment.
2. MegaSteam™ boilers can be installed in rooms with clearances from combustable material as listed above.

Listed clearances cannot be reduced for alcove or closet installations.

3. For reduced clearances to combustable material, protection must be provided as described in the above ANSI/NFPA 31 standard.

NOTICE

Clearance to venting is for single wall vent pipe. If Type L vent is used, clearance may be reduced to the minimum required by the vent pipe manufacturer.

C. PROVIDE COMBUSTION AND VENTILATION

AIR. Local and National Codes may apply and should be referenced.

WARNING

Adequate combustion and ventilation air must be provided to assure proper combustion and to maintain safe ambient air temperatures.

Do not install boiler where gasoline or other flammable vapors or liquids, or sources of hydrocarbons (i.e. bleaches, fabric softeners, etc.) are used or stored.

Do not install boiler in laundry room, or, in vicinity of clothes dryer to prevent inadequate air supply to burner and lint contamination of burner air intake openings.

1. Determine volume of space (boiler room). Rooms communicating directly with the space in which the appliances are installed, through openings not furnished with doors, are considered a part of the space.
$$\text{Volume}(\text{ft}^3) = \text{Length}(\text{ft}) \times \text{Width}(\text{ft}) \times \text{Height}(\text{ft})$$
2. Determine total input of all appliances in the space. Add inputs of all appliances in the space and round the result to the nearest 1000 BTU per hour.
3. Determine type of space. Divide Volume by total input of all appliances in space. If the result is greater than or equal to 50 ft³/1000 BTU per hour, then it is considered an **unconfined space**. If the result is less than 50 ft³/1000 BTU per hour then the space is considered a **confined space**.
4. For boiler located in an *unconfined space of a conventionally constructed building*, the fresh air infiltration through cracks around windows and doors normally provides adequate air for combustion and ventilation.
5. For boiler located in a confined space or an unconfined space in a building of **unusually tight construction**, provide outdoor air.

- a. Outdoor air for combustion may be provided with an optional Burnham Inlet Air Accessory Kit, Part Number 611280031 (**only available and suitable for use on Beckett AFG with burner enclosure cover burner**). See Section for installation details.

or

- b. Outdoor air may be provided with the use of two permanent openings which communicate directly or by duct with the outdoors or spaces (crawl or attic) freely communicating with the outdoors. Locate one opening within 12 inches of top of space. Locate remaining opening within 12 inches of bottom of space. Minimum dimension of air opening is 3 inches. Size each opening per following:
 - i. **Direct communication with outdoors.**
Minimum free area of 1 square inch per 4,000 BTU per hour input of all equipment in space.
 - ii. **Vertical ducts.** Minimum free area of 1 square inch per 4,000 BTU per hour input of all equipment in space. Duct cross-sectional area shall be same as opening free area.
 - iii. **Horizontal ducts.** Minimum free area of 1 square inch per 2,000 BTU per hour input of all equipment in space. Duct cross-sectional area shall be same as opening free area.
Alternate method for boiler located within confined space. Use indoor air if two permanent openings communicate directly with additional space(s) of sufficient volume such that combined volume of all spaces meet criteria for unconfined space. Size each opening for minimum free area of 1 square inch per 1,000 BTU per hour input of all equipment in spaces, but not less than 100 square inches.
6. Louvers and Grilles of Ventilation Ducts
 - a. All outside openings should be screened and louvered. Screens used should not be smaller than 1/4 inch mesh. Louvers will prevent the entrance of rain and snow.
 - b. Free area requirements need to consider the blocking effect of louvers, grilles, or screens protecting the openings. If the free area of the louver or grille is not known, assume wood louvers have 20-25 percent free area and metal louvers and grilles have 60-75 percent free area.
 - c. Louvers and grilles must be fixed in the open position, or interlocked with the equipment to open automatically during equipment operation.

TABLE 1A: DIMENSIONAL DATA (SEE FIGURE 1)

Boiler Model No.	Dimensions See Figure 1			Water Content (To Normal Water Line) - Gallons		Heat Transfer Surface Area - Sq. Ft.	Actual Shipping Weight (LB)
	"A"	"B"	"C"	With Tankless Heater	Non-Heater		
MST288	22-5/8"	24"	6"	15.3	14.9	20.29	607
MST396	22-5/8"	24"	6"	15.3	14.9	20.29	607
MST513	28-5/8"	30"	6"	19.7	19.3	27.29	744
MST629	34-5/8"	36"	7"	24.1	23.8	34.29	881
NOTE: 1: Maximum Working Pressure: Steam - 15 PSI							

TABLE 1B: RATING DATA

Boiler Model No.	Burner Capacity			I=B=R NET Ratings		Minimum Chimney Requirements			AFUE %
	GPH	MBH	DOE Heating Capacity MBH	Steam MBH	Steam Sq. Ft.	Round In. Dia.	Rectangle In. x In.	Height Ft.	
MST288	0.75	105	92	69	288	6	8 X 8	15	86.0
MST396	1.05	147	127	95	396	6	8 X 8	15	86.0
MST513	1.35	189	164	123	513	7	8 X 8	15	86.0
MST629	1.65	231	201	151	629	7	8 X 8	15	86.0

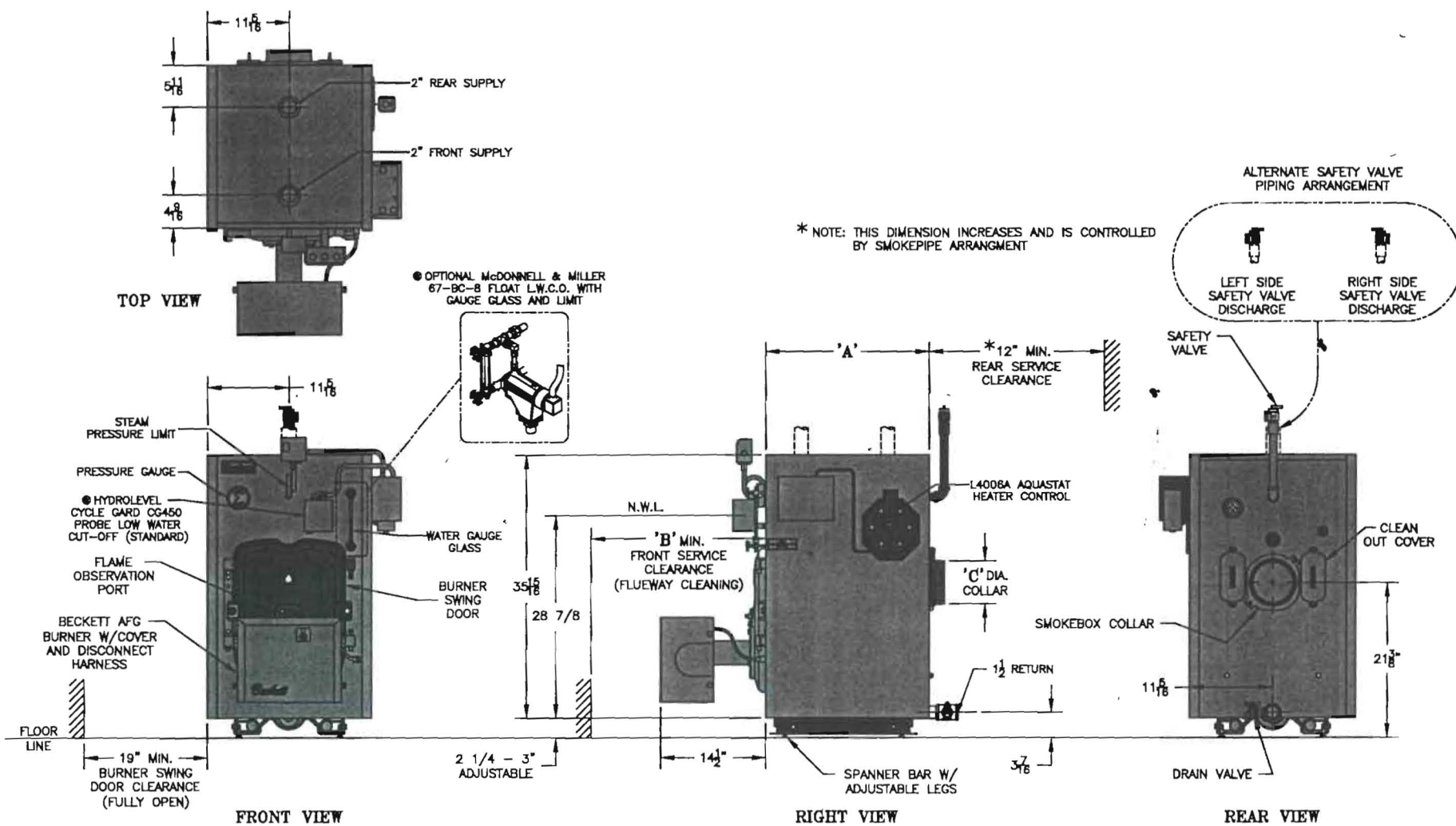


Figure 1: MST288 Thru MST629 Steam Boiler with and without Tankless Heater

3. PIPING AND CONTROLS

NOTICE

Do not pipe boiler before jacket is installed.

A. PRESSURE TEST BLOCK ASSEMBLY

1. Make up cold water supply connection to the boiler.
2. Install pressure gauge or pressure-temperature gauge in tapping provided. See Boiler Dimensional drawing, Figures 7.1 and 7.2 (Section 7)
3. Plug all open tapings in the boiler and fill with water. Apply approximately thirty (30) psig pressure. Check to make certain that all joints and fittings are water tight.
4. After all joints and connections have been proven tight, remove cold water supply and plugs from all tapings that are to be used. See Figures 7.1 and 7.2 (Section 7) for tapping locations.

B. BOILER RETURN CLEARANCE

Return piping must allow for opening and closing Burner Mounting Plate. PB Heat, LLC suggests installing a 1-1/4 NPT tee, a 90° elbow, and a 1-1/4 NPT x 5" long nipple in the return tapping before a vertical stand pipe is used.

C. WATER BOILER PIPING

1. Refer to the Water Installation Survey and Hydronics Institute Residential Hydronic Heating Installation/Design Guide for guidance.
2. The supply and return connections should be sized to suit the system. A 1-1/2" to 1-1/4" reducing coupling may be used where the system piping is 1-1/2".
3. The supply should be out the top of the back section and return to the bottom of the front section as shown in Figure 3.1. There is a 3/4" tapping in the top of the back section for air elimination.

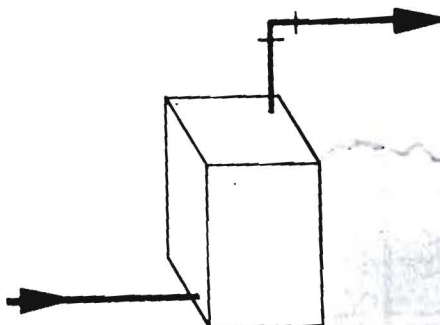


Figure 3.1: Water Boiler Piping

4. When the return temperature from the system will be below 150°F on oil boilers for extended periods (heat pump systems, outdoor reset, snow melt, etc.), provide piping and controls to protect the boiler from condensation. Condensation will damage the boiler and will lead to shortened boiler life and maintenance problems.
5. If using a Partner indirect fired water heater or other, see Figure 3.6 for typical piping. Also refer to additional instructions supplied with the Partner.
6. If the boiler is to be used in conjunction with a refrigeration system, the chilled medium shall be piped in parallel with boiler and proper valves applied to prevent the chilled medium from entering the boiler. Refer to Figure 3.5.
7. If the boiler is connected to heating coils located in air handling units, the boiler piping system must be equipped with flow control valves or other automatic devices to prevent gravity circulation of the boiler water during the cooling cycle.

D. STEAM BOILER PIPING

1. Refer to the Steam Installation Survey and Hydronics Institute Residential Hydronic Heating Installation/Design Guide for assistance.
2. See table below for pipe sizing. The return loop from system should always enter equalizer through the Hartford Loop, 2" to 4" below normal water line. See Figure 3.2.

Boiler Model No.	Supply Riser "A"	Header "B"	Equalizer "C"
WBV-03	(1) 2"	2" or 3"	1-1/4"
WBV-04	(1) 2"	2" or 3"	1-1/4"

3. Use swing joints to attach header to avoid damage to the boiler due to thermal expansion and contraction of steam header pipe.
4. Pipe the steam header a minimum of 24" above the normal water line using swing joints to attach the risers into the steam header.

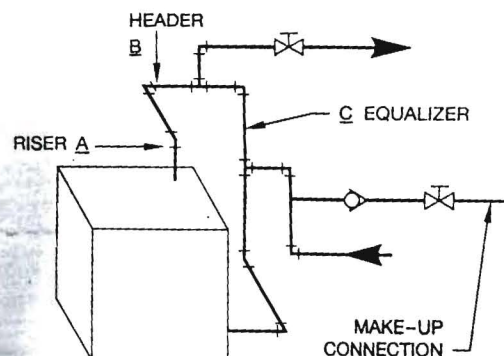


Figure 3.2: Steam Boiler Piping

E. TANKLESS HEATER OR COVERPLATE

1. If a tankless coil is used (item 9), install as pictured. On water boilers, install in opening in front section. On steam boilers, install in opening in rear section. For suggested piping of tankless water heaters refer to Figures 3.3 and 3.4.

DANGER Install anti-scald device in hot water supply piping. Water temperature above 125F can cause severe burns instantly or death from scalds.

NOTICE X1019R, X1020R, and PP1011R coils installed in WBV boilers have internal flow controls installed. Do not use external flow controls with these coils.

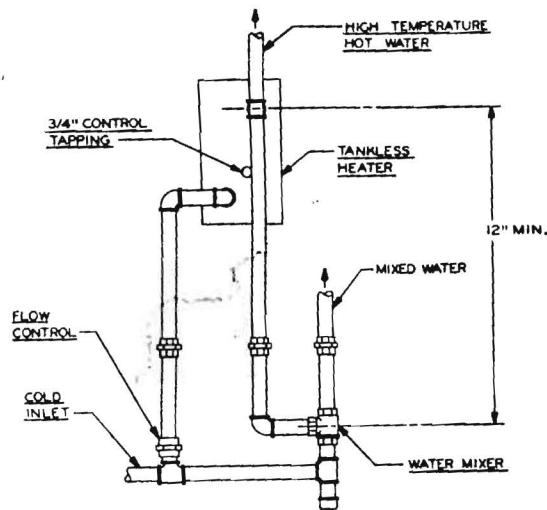


Figure 3.3: Tankless Coil Piping, Steam Boiler

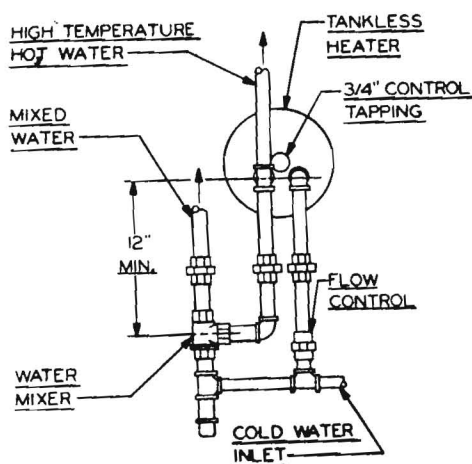


Figure 3.4: Tankless Coil Piping, Water Boiler

2. If not using a tankless coil, cover the heater opening with cover plate (item 7 or 16).

NOTICE Be sure rubber gasket is in place between cover plate or water heater plate and boiler section.

F. CONTROLS

CAUTION Pipe the discharge of the safety valve or relief valve to prevent injury in the event of pressure relief. Pipe the discharge to a drain. Provide piping that is the same size as the relief valve.

1. Water Boiler Controls:
 - a. Install the limit / operating control, pressure-temperature gauge and safety relief valve. See Figure 7.1 (Section 7) for proper location. For installations subject to UL726, a second operating control that senses water temperature is also required (not provided). Use an L4080B or equivalent. Install in the supply piping near the boiler.
2. Steam Boiler Controls:
 - a. Install the limit / operating control, pressure gauge, gauge glass trim and safety relief valve. See Figure 7.2 (Section 7), Figure 3.7 (float boilers) and cover photo (probe boilers).
 - b. For installations subject to UL726, a second operating control that senses steam pressure is required (not provided). Use a PA404A or equivalent. On probe boilers, install the additional pressure control opposite the standard PA404A using a cross instead of a tee along with a second brass siphon (not provided). On float boilers, install the additional pressure control in the 1/4" tapping on the top of the float low water cut-off using a vertical (360°) brass siphon (not provided).
 - c. For application of a probe low-water cut-off, use only Hydrolevel CG450. See Figure 7.2 (Section 7) for location. See also control manufacturers instruction sheet.
 - d. See Figure 3.7 for application of float low water cut-offs.
3. For complete information on servicing and adjustment of controls, refer to the attached control specification sheets.

PIPING AND CONTROLS

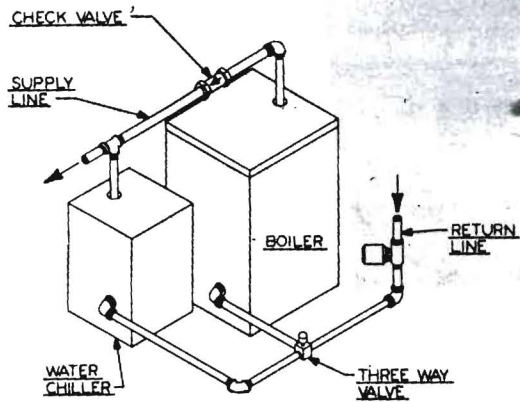


Figure 3.5: Piping to Isolate Boiler from Chilled Medium on Chiller Systems

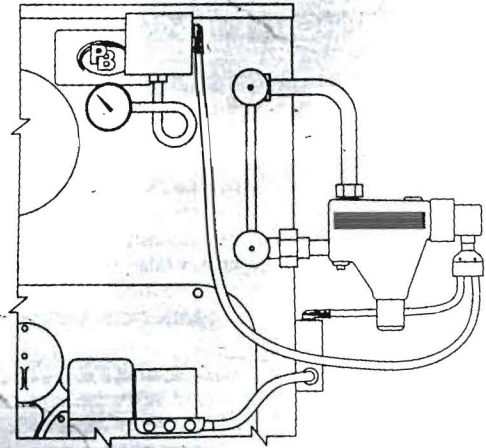


Figure 3.7: Float Low Water Cut-off

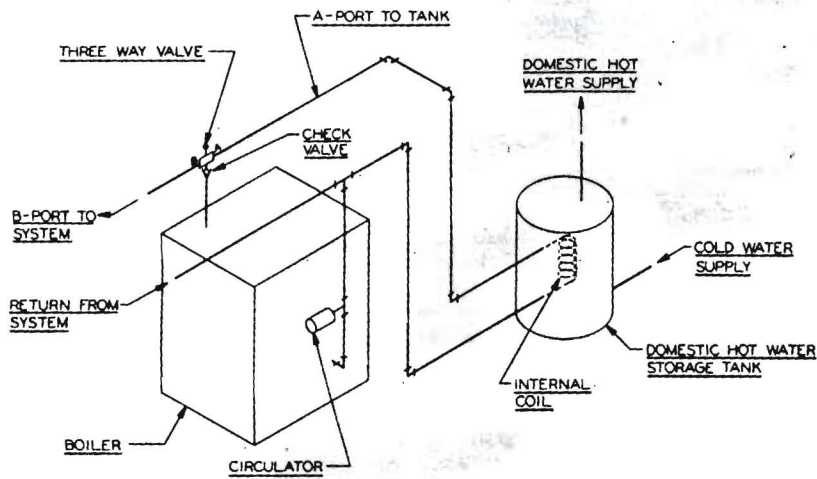


Figure 3.6: Piping with Peerless Indirect Water Tank