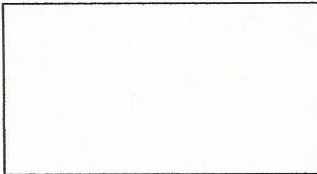




FILL IN AND SIGN WITH INK

Application for Heating, Ventilation, Air Condition (HVAC) Cooking or Power Equipment



To the Inspector of Buildings, Portland Maine:

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

Address/CBL: 335-C-021-001
27 Dadham St Use of Building: Residential Date: 8/12/13

Name and Address of Owner: Jim Kavanaugh
27 Dadham St
Portland, ME

Installer's Name and Address: Tim Davis Plumbing & Heating Inc.
P.O. Box 455 Alfred ME 04002 E-Mail: TDPHINC@yahoo.com

<p>Location of Appliance:</p> <p><input checked="" type="checkbox"/> Basement <input type="checkbox"/> Floor</p> <p><input type="checkbox"/> Attic <input type="checkbox"/> Roof</p> <p>Type of Fuel:</p> <p><input type="checkbox"/> Gas <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Solid</p> <p>Appliance Name: <u>Crown Freeport CT</u></p> <p>UL Approved: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Will appliance be installed in accordance with the manufacturer's installation instructions? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Type of License of Installer:</p> <p>Master Plumber #: <u>MS 60007706</u></p> <p>Solid Fuel #: <u>AP 300012858</u></p> <p>Oil #: <u>Chris Ryan #</u></p> <p>Gas #: <u>PNT 4629</u></p> <p>Other: _____</p>	<p>Type of Venting: (Plan required for submittal)</p> <p><input checked="" type="checkbox"/> Masonry Lined Factory Built: _____</p> <p><input type="checkbox"/> Metal Factory Built UL Listing: _____</p> <p><input type="checkbox"/> Direct Vent Type: _____ UL #: _____</p> <p># of Tanks: _____</p> <p>Type of Fuel Tank:</p> <p><input type="checkbox"/> Gas <input checked="" type="checkbox"/> Oil</p> <p>Size of Tank: <u>275</u></p> <p>Distance from tank to center of flame: <u>20'</u></p> <p>Cost of Work: \$ <u>4,500.00</u></p> <p>Permit Fee: \$ <u>65.00</u></p>
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Approved

Approved with Conditions

Fire: _____

See attached letter or requirements

Electric: _____

Building: _____

Inspector's Signature

Date Approved

Signature of Installer: [Handwritten Signature]

E-Mail: TDPHINC@yahoo.com



HVAC / Power Equipment Checklist

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.

- A floor plan that includes structural details, size and dimensions of the floor the equipment is going to be installed.
- Information on how the unit is being vented & hanging details if appropriate.
- Details of the specific equipment being installed; ie; specifications and any heating technical specifications. Often this information can be obtained from the manufacturer's spec sheet or retail advertisements.
- A plot plan showing the shape and dimension of the lot, with the distance from the actual property lines, and the principal structure may be required.
- Proof of ownership is required if it is inconsistent with the assessors records.

**All HVAC installations must be conducted in compliance with the
IRC 2009 Building Code**

Separate permits are required for plumbing and electrical installations, as required.

Separate permits are also required based on different properties (different Chart, Block and Lot.)

Permit Fee: \$30.00 for the first \$1000.00 construction cost, \$10.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.

AS NOTED	DATE	BY
RM / MD		
210279	Project No.	
FOR REVIEW	Checked By	
SEE REVISION	Drawn By	
210279 TYP-1	Issue Date	
Draw No.	Sheet No.	

HYDRAULIC CALCULATIONS
 HYDRAULIC CALCULATIONS FOR
 LOT# C DEBHAM STREET
 PROJECT NO. 210279
 DRAWING NO. 210279 TYP-1
 DATE 10-11-2012
 DRAWN BY: J. DAVIS
 CHECKED BY: J. DAVIS
 APPROVED BY: J. DAVIS
 PROJECT NO.: 210279
 SHEET NO.: 210279 TYP-1
 DATE: 10-11-2012

TEST # 1 TO DETERMINE IF THE SIZE OF 1/2" OR 3/4" PIPING IS APPROPRIATE FOR THE SYSTEM. THE TEST SHALL BE PERFORMED AT THE MAIN MANIFOLD. THE TEST SHALL BE PERFORMED AT THE MAIN MANIFOLD. THE TEST SHALL BE PERFORMED AT THE MAIN MANIFOLD.

TEST # 2 TO DETERMINE IF THE SIZE OF 1/2" OR 3/4" PIPING IS APPROPRIATE FOR THE SYSTEM. THE TEST SHALL BE PERFORMED AT THE MAIN MANIFOLD. THE TEST SHALL BE PERFORMED AT THE MAIN MANIFOLD. THE TEST SHALL BE PERFORMED AT THE MAIN MANIFOLD.

WATER PRESSURE INFORMATION

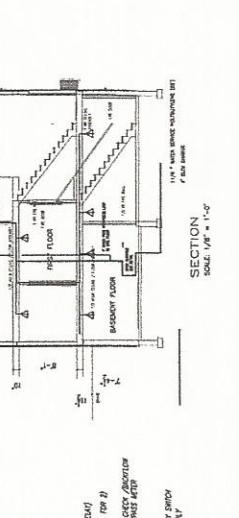
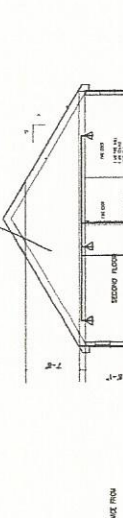
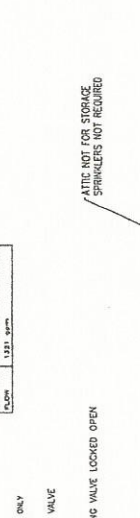
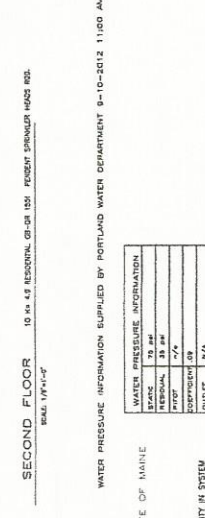
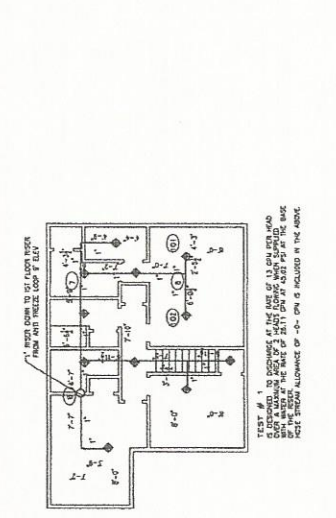
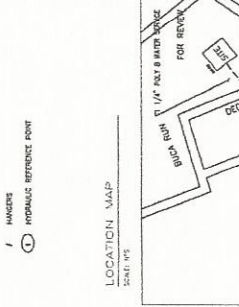
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MINIMUM PRESSURE	20 PSI
MAXIMUM PRESSURE	120 PSI
AVG. PRESSURE	70 PSI
DIFFERENTIAL	10 PSI
VALVE	10 PSI
LOSS	10 PSI

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LEGEND

- RESIDENTIAL PREINSTALLED SPRINKLER HEAD
- NEW SPRINKLER HEAD (NOTED IN SECTION)
- PIPE UP OR DOWN
- HANGERS
- HYDRAULIC REFERENCE POINT



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NOTES

- SYSTEM DESIGNED TO THE REQUIREMENTS OF THE NFPA 13-0 2010 EDITION, STATE OF MAINE AND THE PORTLAND MAINE CODE.
- DRAIN TO THE MAIN DRAIN VALVE.
- REMOVABLE FITTINGS SHALL BE PROVIDED AT THE END OF ALL CROSS MAINS TO PROVIDE FOR FLUSHING SYSTEM.
- THE REQUIREMENTS OF NFPA 13, 2010 EDITION.
- ALL PIPE LOCATIONS TO BE FIELD MARKED PRIOR TO FRAME-UP AND INSTALLATION.
- HIGH TEMPERATURE HUGGS TO BE FIELD LOCATED WHERE REQUIRED.
- CONCEALED IN ROOMS WITHOUT MEASUREMENTS ARE TO BE FIELD LOCATED.
- PIPE AND FITTINGS MAY BE CPVC PLASTIC OR EQUAL.
- SPRINKLERS ARE NOT REQUIRED IN BATHROOMS NOT MORE THAN 30 SQ. FT.

NOTE: CPVC PLASTIC TO BE INSTALLED PER LISTING REQUIREMENTS SEE CUT SHEET
 NOTE: ANTI-FREEZE TO BE INSTALLED PER LISTING REQUIREMENTS SEE CUT SHEET
 50% PREMIXED GLYCERINE BASED ANTI-FREEZE ONLY PER STATE OF MAINE 2ND FLOOR ONLY



PORTLAND MAINE

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

Jeff Levine, AICP, Director
Director of Planning and Urban Development

Tammy Munson
Director, Inspections Division

Electronic Signature and Fee Payment Confirmation

Notice: Your electronic signature is considered a legal signature per state law.


By digitally signing the attached document(s), you are signifying your understanding this is a legal document and your electronic signature is considered a **legal signature** per Maine state law. You are also signifying your intent on paying your fees by the opportunities below.

I, the undersigned, intend and acknowledge that no permit application can be reviewed until payment of appropriate permit fees are **paid in full** to the Inspections Office, City of Portland Maine by method noted below:

Within 24-48 hours, once my complete permit application and corresponding paperwork has been electronically delivered, I intend to **call the Inspections Office** at 207-874-8703 and speak to an administrative representative and provide a credit/debit card over the phone.

Within 24-48 hours, once my permit application and corresponding paperwork has been electronically delivered, I intend to **hand deliver** a payment method to the Inspections Office, Room 315, Portland City Hall.

I intend to deliver a payment method through the U.S. Postal Service mail once my permit paperwork has been electronically delivered.

Applicant Signature: 

Date: 8/22/13

I have provided digital copies and sent them on: ~~8/22/13~~
PDF Via Email

Date: 8/22/13

NOTE: All electronic paperwork must be delivered to buildinginspections@portlandmaine.gov or by physical means ie; a thumb drive or CD to the office.

Room 315 - 389 Congress Street- Portland, Maine 04101 (207) 874-8703 - Fax: 874-8716 - TTY: 874-8936

Freeport CT

Chimney-vented residential model of the high efficiency three-pass Scotch Marine design

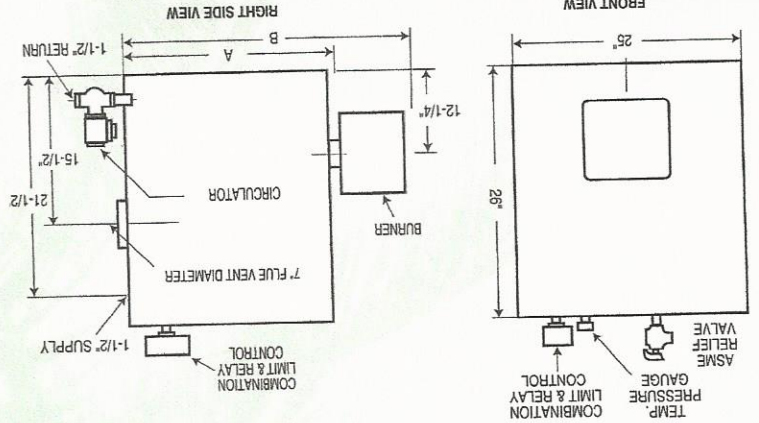
- Beckett or Riello oil burners
- Most models are Energy Star qualified (up to 87.6% A.F.U.E.)
- Full lifetime warranty on cast iron heat exchanger
- Swing-open burner door with safety switch
- Eight sizes: 92,000 to 286,000 outputs



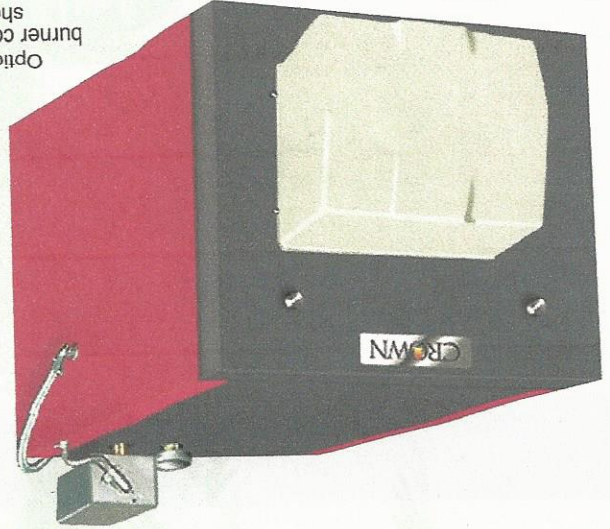
Certified Ratings

Model Number	IBR Net Rating (in. A)	B* (in.)	Flue Collar Dia. (in.)	Beckett Riello	Annual Efficiency AFUE% w/Burner
CT-3	80,000	19-1/4	34	7	86.1*
CT-35	104,000	19-1/4	34	7	84.7
CT-4	105,000	24-1/4	39	7	86.1*
CT-45	139,000	24-1/4	39	7	84.0
CT-5	141,000	29-1/4	44	7	86.1*
CT-6	176,000	34-1/4	49	7	86.1*
CT-7	211,000	39-1/4	54	7	86.1*
CT-8	249,000	44-1/4	59	7	85.3

CT-35 and CT-45 are up-fired versions of CT-3 and CT-4
 ▲ IBR Combustion Efficiency
 * Dimension B is approximate due to varying burner lengths



Optional burner cover shown



OIL HOT WATER