FILL IN AND SIGN WITH INK

Inspections Division
Date: 09/18/15

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: 63 Williams St. Use of Building: RESIDENTIAL Date: 9-1-15

Name and Address of Owner: Todd Angerhofer - 63 William St Portland, Maine 04103

Installer's Name and Address: STEINERT Co. P.O. Box 1912 : WINDHAM, ME 04062 E-Mail STEINERTCOMPANY@YAHOO.COM

Location of Appliance:
- [x] Basement
- [ ] Floor
- [ ] Attic
- [ ] Roof

Type of Fuel:
- [x] Gas
- [ ] Oil
- [ ] Solid

Appliance Name: BOSCH Greenstar

UL Approved: [x] Yes [ ] No

Will appliance be installed in accordance with the manufacturer's installation instructions? [x] Yes [ ] No

Type of License of Installer:
Master Plumber #:
Solid Fuel #:
Oil #:
Gas #: PNT 364
Other:

Type of Venting: (*Plan required for submittal*)
- [ ] Masonry Lined
  Factory Built:
- [ ] Metal
  Factory Built UL Listing:
- [x] Direct Vent
  Type: PVC UL #:

# of Tanks:

Type of Fuel Tank:
- [ ] Gas
- [ ] Oil

Size of Tank: Natural

Distance from tank to center of flame:

Cost of Work: $ 12,892

Permit Fee: $

Approved

Fire:

Electric:

Building:

Approved with Conditions

[ ] See attached letter or requirements

Inspector's Signature Date Approved

Signature of Installer: Norwood Sanborn **E:Mail:** STEINERTCOMPANY@YAHOO.COM

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PORTLAND MAINE

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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.
[NOTE - OWNER WILL DELIVER PAYMENT] TE 9/10/15

NO ☑ I intend to deliver a payment method through the U.S. Postal Service mail once my permit paperwork has been electronically delivered.

Applicant Signature: Norwood Sanborn Date: 9-1-15

I have provided digital copies and sent them on: Date:

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

Inspections Division

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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.

- [x] A floor plan that includes structural details, size and dimensions of the floor the equipment is going to be installed.
- [x] Information on how the unit is being vented & hanging details if appropriate.
- [x] 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.
- [x] 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.
- [x] Proof of ownership is required if it is inconsistent with the assessors records.
  OWNERSHIP IS ON RECORD

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.

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Contract #06092015

1. **Parties to the contract:**

   A. **Contractor:** Steinert Co., Inc.
   P.O. Box 1912
   Windham, ME 04062

   B. **Homeowner:** Todd Angerhofer
   63 William St.
   Portland, Me.

2. **Location of work:** (same)

3. **Completion Dates:**

   a. Estimated date of commencement: _____
   b. Estimated date of completion: _____

4. **Contract Price:** : see below
   The price for this proposal will be held for 30 days.

5. **Payment:** A deposit of ⅓ of the contract price is due upon signing; ⅓ due when equipment is delivered; balance due in full when job is completed. A 2% finance charge will be assessed per month for balances not paid within 30 days.
   (Payment is to be made by cash or check only)

6. Description of work:
   Option 1:
   1. Install (1) Bosch Greenstar 100 natural gas combi boiler. This boiler is a condensing wall hung boiler.
   2. Will install (1) plywood on cellar wall and mount boiler on it. Will also mount manifolds on plywood.
   3. Will use pex piping from manifold to each panel radiator.
   4. Will install 5-8 panel radiators and 1 towel bar in bathroom.
   5. Will pipe natural gas from meter to boiler.

   Total Cost: $12,892.00

   Option 2:
   1. If Riva boiler is used.
   2. 2-5 Same as Option 1.

   Total Cost: $11,440.00

THE STEINERT CO. Inc.

Inspections Division
Date: 09/18/15

PLUMBING, HEATING, PIPING CONTRACTOR

P.O. BOX 1912 • WINDHAM, MAINE 04062
892-5683 or 657-4610 or 878-8008
www.steinertco.com

Boiler will be mounted on plywood that will mount on cement wall.
Will be side wall vented with PVC.

See Next Page

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Installation of Greenstar 100 High-efficiency condensing boiler and associated Eco Style radiators for 2401 Congress Street Apartment 1

Chart 117
Block D
Lot 021

Drawings attached:
-"63WmStPortland-Basement-Install01.jpg" (schematic of basement and installation of new Greenstar 100 High-efficiency Condensing Boiler [scale 1 large block = 5'; one small block = 6"]
-" 63WmStPortland-1stFloor.jpg" layout of Apartment 1 (1st floor), which will receive new radiators [scale 1 large block = 5'; one small block = 6"]
- "63WmStPortland-Lot.jpg" plot plan showing shape and dimensions of lot with distance from actual property lines and principal structures [scale one block = 4'

Additional Documents Attached
-"Greenstar_Install&Svc.pdf" Installation requirements and technical specification for Greenstar 100 High-efficiency Condensing Boiler
-"EcostyleTechnical-Booklet-011713.pdf" Installation requirements and technical specification for panel-style radiators (all but Bathroom)
-"Ecostyle-Towel-Bar-111413.pdf" Installation requirements and technical specification for towelbar-style radiators (Bathroom

Installation Description:
Only one new boiler will be installed and will service Apartment 1 (first floor) for heat and domestic hot water. Apartments 2 and 3 will continue to receive heat and domestic hot water from existing boiler

-New Greenstar 100 High-efficiency Condensing Boiler will be installed in existing boiler room as shown in file "63WmStPortland-Basement-Install01.jpg" It will be mounted to a plywood board that will be mounted to existing studs in boiler room wall

-Boiler room space is currently vented outside of the building by flexible metal vent conduit (6" diameter), which starts at an open-ended penetration into the existing boiler room and terminates in a fitting in a window (replaces one of the glass panes).

-Basement has combined Carbon Monoxide/Smoke detector (hardwired, battery backup, photoelectric) installed on ceiling (bottom of stringer just outside door of boiler room

-Gas supply will be tapped off gas supply to existing boiler

-New Greenstar 100 High-efficiency Condensing Boiler exhaust will be piped to a boarded-up window opening in the Northwest corner of the basement as shown in “63WmStPortland-Basement-Install01.jpg”

-Domestic hot water from the New Greenstar 100 High-efficiency Condensing Boiler will be connected to existing domestic hot water piping inside the boiler room, near east wall