

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that BUCKSTAR LLC

Located At 182 MIDDLE ST

Job ID: 2012-10-5118-HVAC

CBL: 032- I-001-001

has permission to Install Water Source Heat Pump 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

10/19/2012

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD**

BUILDING PERMIT INSPECTION PROCEDURES

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

or email: buildinginspections@portlandmaine.gov

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.**

FINAL INSPECTION REQUIRED

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.



PORTLAND MAINE

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Director of Planning and Urban Development
Jeff Levine

Job ID: 2012-10-5118-HVAC

Located At: 182 MIDDLE ST

CBL: 032- I-001-001

Conditions of Approval:

Fire

1. Installation shall comply with City Code Chapter 10.
2. Installation shall comply with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*;
3. NFPA 90A, *Standard for the Installation of Air-Conditioning and Ventilating Systems*;
4. NFPA 91, *Standard for Exhaust Systems for Air Conveying Vapors, Gases, Mists, and Noncombustible Particulate Solids*;
5. NFPA 70, *National Electrical Code*; and the manufacturer's published instructions.

City of Portland, Maine - Building or Use Permit Application

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

| | | | |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Job No: 2012-10-5118-HVAC | Date Applied: 10/2/2012 | CBL: 032-1-001-001 | |
| Location of Construction: 182 MIDDLE ST | Owner Name: BUCKSTAR LLC | Owner Address: 100 SILVER ST PORTLAND, ME 04101 | Phone: |
| Business Name: Stonewall Kitchen | Contractor Name: HVAC SERVICES INC | Contractor Address: 73 BRADLEY DR WESTBROOK MAINE 04092 | Phone: 854-4822 |
| Lessee/Buyer's Name: | Phone: | Permit Type: HVAC | Zone: B-3 |
| Past Use: 1 st floor retail/restaurant with offices above | Proposed Use: Same: 1 st floor retail/restaurant with offices above – to install water source heat pump in basement for Stonewall Kitchen | Cost of Work: \$12,000.00 | CEO District: |
| | | Fire Dept: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A | Inspection: Use Group: M/B Type: HVAC |
| Proposed Project Description: Install Water Source Heat Pump | | Pedestrian Activities District (P.A.D.) | |
| Permit Taken By: Gayle | | Zoning Approval | |

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>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.</p> | <p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>___ Maj ___ Min ___ MM</p> <p>Date: <i>OK - 10/4/12</i></p> | <p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p> | <p>Historic Preservation</p> <p><i>w/thin</i></p> <p><input type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p><i>Any exterior work requires A separate review & Approval</i></p> |
| | CERTIFICATION | | |

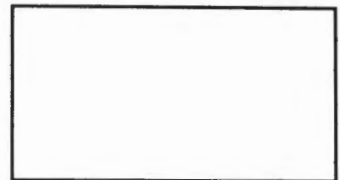
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

| | | | |
|---------------------------------------------|---------|------|-------|
| SIGNATURE OF APPLICANT | ADDRESS | DATE | PHONE |
| RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE | | DATE | PHONE |



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



2012 10 5 118 66

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 182 Middle St ~~033 Foot~~ 032 In 001 Use of Building Commercial Retail Date 8/30/12
 Name and address of owner of appliance Commercial Properties Silver St Portland, ME
68 location Stonehill Kitchen (182 Middle St) Portland, ME
 Installer's name and address HVAC SERVICES INC.
73 BRADLEY DRIVE WESTBROOK, ME Telephone 207 854-4822

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Water Source Heat Pump

U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

RECEIVED

IF NO Explain: OCT 02 2012

Dept. of Building Inspections
City of Portland Maine

The Type of License of Installer:

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas # _____
- Other _____

Type of Chimney:

- Masonry Lined
Factory built N/A
- Metal
Factory Built U.L. Listing # N/A
- Direct Vent
Type N/A UL# _____

Type of Fuel Tank

- Oil
- Gas N/A

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 11,800-

Permit Fee: \$ 140.00

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

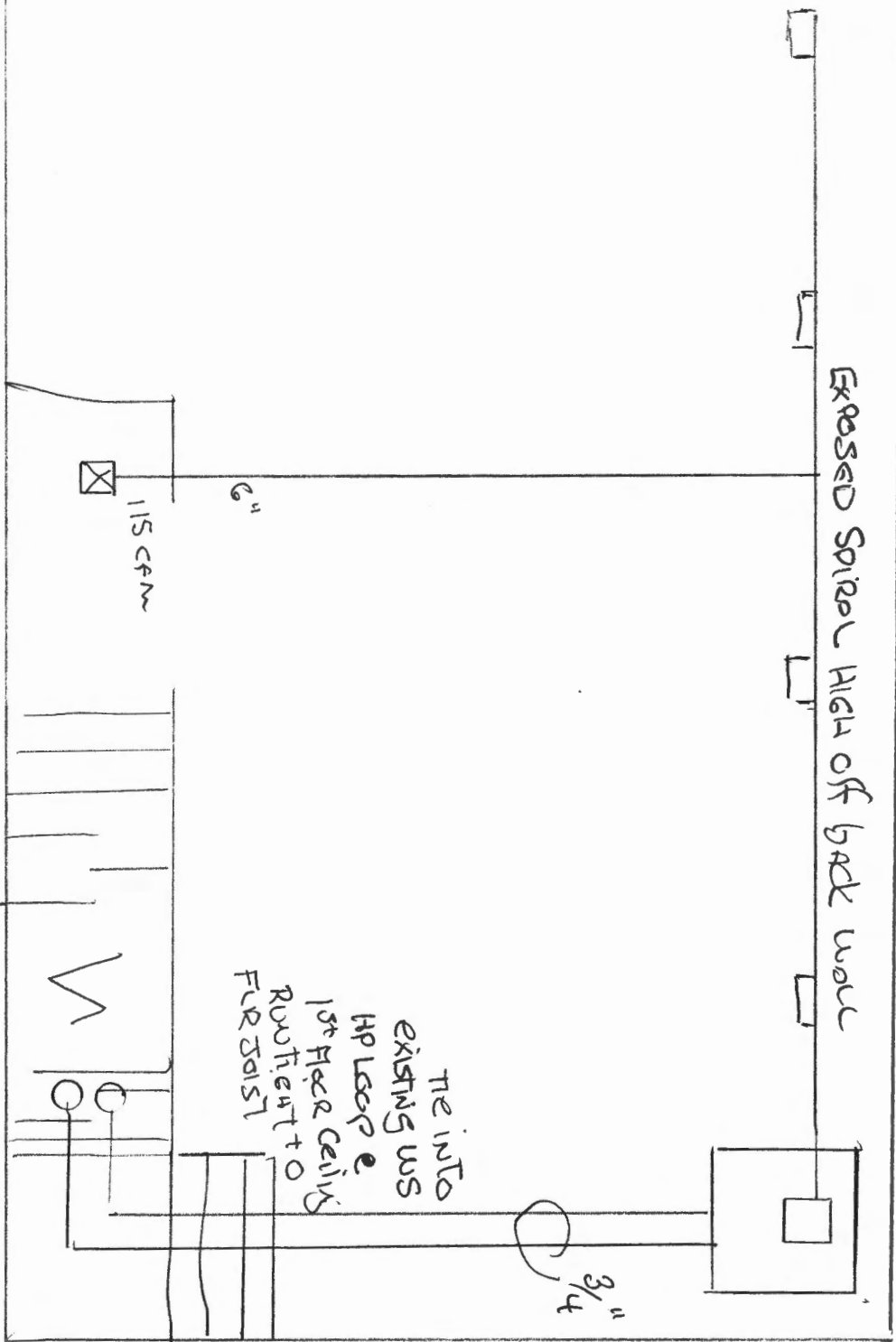
- See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer

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



Stonewall Kitchen



Product Catalog

Water Source Heat Pump
Axiom™ Horizontal/Vertical—GEH/GEV
1/2–5 Tons—60 Hz

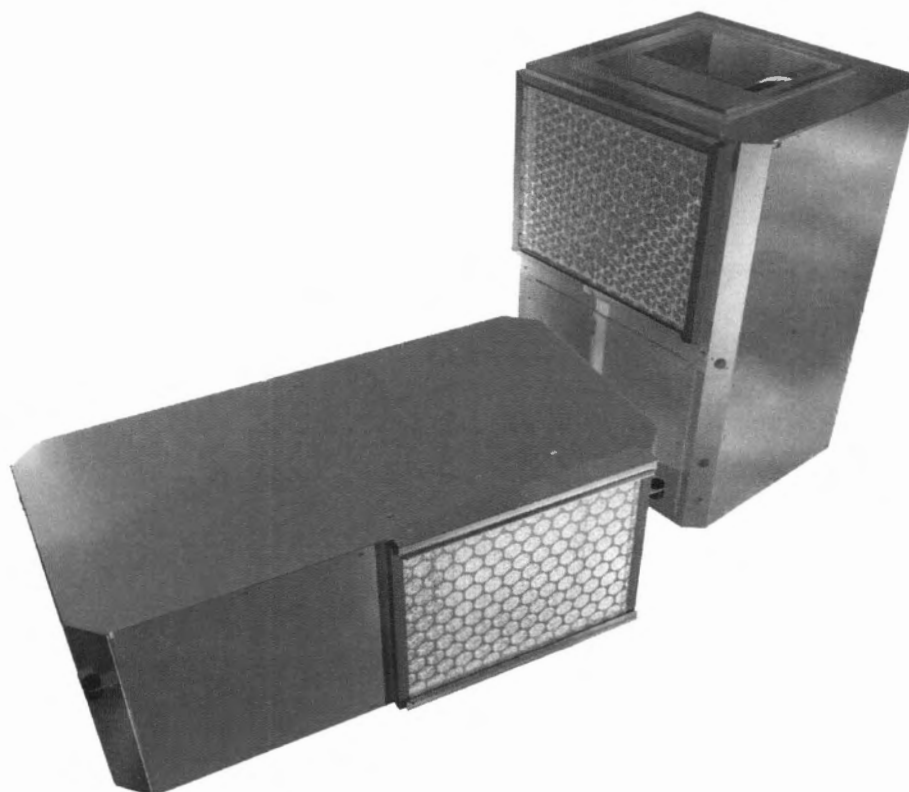


Table 10. Models GEV006-024 water-to-refrigerant coil

| Model GEV | 006 | 009 | 012 | 015 | 018 | 024 |
|-------------------------|-----|-----|-----|-----|-----|-----|
| Working Pressure (psig) | 780 | 780 | 780 | 780 | 780 | 780 |


Table 11. Models GEV030-042

| Model GEV | 030 | 036 | 042 |
|----------------------------------------|-----------------|--------------------|--------------------|
| Unit Size Length x Height x Width (in) | 21½ x 39¼ x 21½ | 26½ x 41 7/8 x 24½ | 26½ x 41 7/8 x 24½ |
| Compressor Type | Scroll | Scroll | Scroll |
| Net Weight (lbs.) | 253 | 288 | 288 |
| Ship Weight (lbs.) | 285 | 308 | 308 |
| Filter Size Actual (in.) | 17 7/8 x 24 7/8 | 19 7/8 x 24 7/8 | 19 7/8 x 24 7/8 |
| Water in/out size (FPT) | ¾ | ¾ | ¾ |
| Condensate size (NPTI) | ¾ | ¾ | ¾ |
| Blower Wheel Size (in.) | 10 x 6 | 12 x 8 | 12 x 8 |

Table 12. Models GEV030-042 air-to-refrigerant coil

| Model GEV | 030 | 036 | 042 |
|-----------------------------|-----------------|---------------|---------------|
| Working Pressure (psig) | 650 | 650 | 650 |
| Tubes High | 21 | 18 | 18 |
| Tubes Deep | 4 | 3 | 4 |
| No. of Circuits | 4 | 3 | 4 |
| Finned vol. (h,w,d) | 21 x 16.3 x 3.5 | 18 x 21 x 2.6 | 18 x 21 x 3.5 |
| Coil Surface Area (Sq. Ft.) | 2.33 | 2.63 | 2.63 |
| Fins per Inch | 12 | 12 | 12 |
| Tube Material | Copper | Copper | Copper |
| Tube OD (in.) | 3/8 | 3/8 | 3/8 |
| Wall Thickness | 0.014 | 0.014 | 0.014 |
| Return Bends | Copper | Copper | Copper |

Table 13. Models GEV030-042 water-to-refrigerant coil

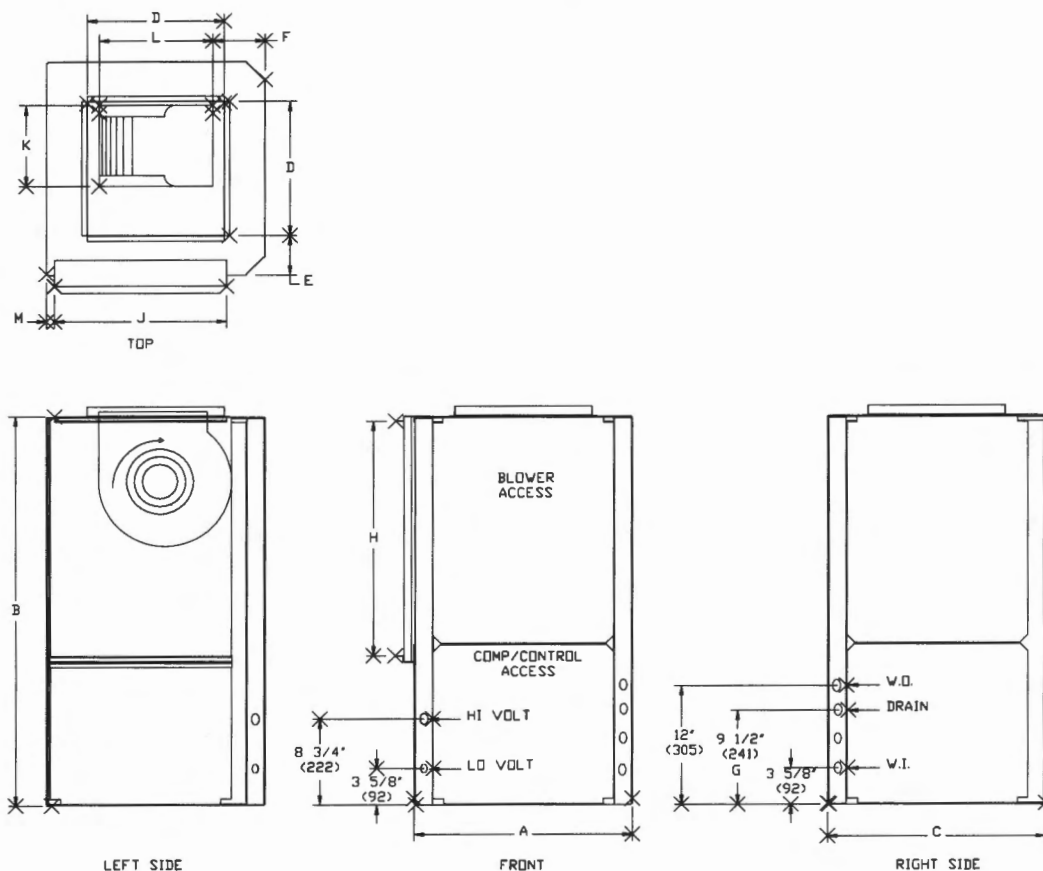
| Model GEV | 030 | 036 | 042 |
|-------------------------|-----|-----|-----|
| Working Pressure (psig) | 780 | 780 | 780 |

Table 14. Models GEV048-060

| Model GEV | 048 | 060 |
|----------------------------------------|--------------------|--------------------|
| Unit Size Length x Height x Width (in) | 30½ x 46 7/8 x 26½ | 30½ x 46 7/8 x 26½ |
| Compressor Type | Scroll | Scroll |
| Net Weight (lbs.) | 348 | 350 |
| Ship Weight (lbs.) | 396 | 396 |
| Filter Size Actual (in.) | 27 7/8 x 29 7/8 | 27 7/8 x 29 7/8 |
| Water in/out size (FPT) | 1 | 1 |

Figure 18. Left return/top supply

Note: Access to the unit for service purposes should be provided at installation. All configurations require a 36 in. surround clearance from other mechanical and electrical equipment to enable panel removal from the unit for service/maintenance ability. Local and/or NEC codes require greater service clearance. Check all code requirements prior to unit installation. Installer is responsible for following all local and NEC code requirements.


Table 113. Dimensional data—left return/top supply

| Unit | A | B | C | D | E | F | G | H | J | K | L | M | W.I. NPTI | W.O. NPTI | Drain FPT |
|---------------|-----------------|------------------|-----------------|-----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-------------|---------------|---------------|--------------|
| 006-015 | 19-1/2 (495) | 31-1/4 (794) | 21-1/2 (546) | 11-1/2 (292) | 4 (102) | 5-3/4 (146) | 9-1/2 (241) | 15 (381) | 17 (432) | 6-7/8 (175) | 8 (203) | 3/4 (19) | 1/2 (12.7) | 1/2 (12.7) | 3/4 (19) |
| 018, 024, 030 | 21-1/2 (546) | 39-1/4 (997) | 21-1/2 (546) | 13-1/2 (343) | 4 (102) | 4 (1021) | 9-1/2 (241) | 23-3/4 (603) | 17 (432) | 8-1/4 (368) | 9-3/4 (248) | 3/4 (19) | 3/4 (19) | 3/4 (19) | 3/4 (19) |
| | | | | | | | | | | | 11-3/8 (289) | | | | |
| 036, 042 | 24-1/2 (622) | 41-7/8 (1064) | 26-1/2 (673) | 18 (457) | 3-1/4 (83) | 5-3/4 (146) | 9-1/2 (241) | 19 (483) | 23 (584) | 10-1/2 (267) | 13-1/2 (343) | 1/4 (6) | 3/4 (19) | 3/4 (19) | 3/4 (19) |
| Std-048 | 26-1/2 (673) | 46-7/8 (1191) | 30-1/2 (775) | 18 (457) | 4-1/4 (108) | 2 (51) | 9-1/2 (241) | 29 (737) | 27-7/8 (708) | 13-7/8 (352) | 13-7/8 (352) | 1/2 (13) | 1 (25.4) | 1 (25.4) | 3/4 (19) |
| Hi-048, 060 | 26-1/2 (673) | 46-7/8 (1191) | 30-1/2 (775) | 18 (457) | 4-1/4 (108) | 2 (51) | 9-1/2 (241) | 29 (737) | 27-7/8 (708) | 13-1/8 (333) | 11-3/8 (289) | 1/2 (13) | 1 (25.4) | 1 (25.4) | 3/4 (19) |

Note: All dimensions are in inches followed by millimeters in parenthesis.



PORTLAND MAINE

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Receipts Details:

Tender Information: Check , BusinessName: visa, Check Number: 3449

Tender Amount: 140.00

Receipt Header:

Cashier Id: gguertin

Receipt Date: 10/4/2012

Receipt Number: 48950

Receipt Details:

| | | | |
|--------------------------------------------------------------------|--------|----------------|-----------|
| Referance ID: | 8259 | Fee Type: | BP-Constr |
| Receipt Number: | 0 | Payment Date: | |
| Transaction Amount: | 140.00 | Charge Amount: | 140.00 |
| Job ID: Job ID: 2012-10-5118-HVAC - Install Water Source Heat Pump | | | |
| Additional Comments: 172 middle St., Hvac Services | | | |

Thank You for your Payment!