

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND

# BUILDING PERMIT

This is to certify that ERIN E LANE

Located At 39 SANBORN ST

Job ID: 2012-10-5167-HVAC

CBL: 375- B-001-001

has permission to Install a Viessman gas fired boiler in basement  
provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues 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**

10/17/2012

**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](mailto: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

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: 2012-10-5167-HVAC

Located At: 39 SANBORN ST

CBL: 375- B-001-001

## **Conditions of Approval:**

### **Building**

The installation must comply with the State of Maine gas regulations.

**City of Portland, Maine - Building or Use Permit Application**

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

Job No: 2012-10-5167-HVAC	Date Applied: 10/12/2012	CBL: 375- B-001-001	
Location of Construction: 39 SANBORN ST	Owner Name: ERIN & MATTHEW LANE	Owner Address: 39 SANBORN ST  PORTLAND, ME 04103	Phone:
Business Name:	Contractor Name: Charlie Burnham Heating Services, Inc.	Contractor Address: PO Box 382 Freeport ME 04032	Phone:  (207) 865-9010
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC - HVAC	Zone:  R-3
Past Use:  Single family	Proposed Use:  Same – single family – install Viessman gas fired boiler in basement	Cost of Work: 12000.00	CEO District:
		Fire Dept:  Approved Denied N/A	Inspection: Use Group: R-3 Type: HVAC
Proposed Project Description: Install Viessman gas fired boiler in basement		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Gayle		<b>Zoning Approval</b>	

<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><b>Special Zone or Reviews</b></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><input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM</p> <p>Date: 06 10/15/12 <i>AG</i></p>	<p><b>Zoning Appeal</b></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><b>Historic Preservation</b></p> <p><input checked="" 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>Date: <i>AG</i></p>
	<b>CERTIFICATION</b>		

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



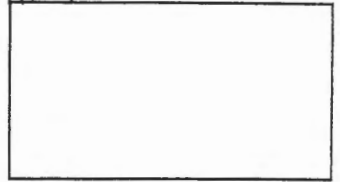
P-3

FILL IN AND SIGN WITH INK

rec'd 10/12/12

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

2012 10 5169 375 B001



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 39 Southborn St Use of Building \_\_\_\_\_ Date 10-12-12  
Name and address of owner of appliance Steven Melville 39 Southborn St Em: Matthew Lane

Installer's name and address Charlie Buryham Heating Service Inc.  
P.O. Box 382 Freeport, ME, 04032 Telephone 865-9010

### Location of appliance:

- Basement  Floor
- Attic  Roof

### Type of Fuel:

- Gas  Oil  Solid

Appliance Name: Viessman

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 # \_\_\_\_\_
- Oil # \_\_\_\_\_
- Gas # PNT 6050
- Other \_\_\_\_\_

### Type of Chimney:

- Masonry Lined  
Factory built \_\_\_\_\_
- Metal  
Factory Built U.L. Listing # \_\_\_\_\_
- Direct Vent  
Type CPVC UL# \_\_\_\_\_

### Type of Fuel Tank

- Oil
- Gas

Size of Tank 120 gal

Number of Tanks two

Distance from Tank to Center of Flame \_\_\_\_\_ feet.

Cost of Work: \$ 1,975

Permit Fee: \$ 140.00

RECEIVED

OCT 12 2012

Dept. of Building Inspections  
City of Portland, ME

### Approved

Fire: \_\_\_\_\_

Ele.: \_\_\_\_\_

Bldg.: \_\_\_\_\_

### Approved with Conditions

- See attached letter or requirement

Inspector's Signature \_\_\_\_\_

Date Approved \_\_\_\_\_

Signature of Installer [Signature]

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

# Installation and Service Instructions

for use by heating contractor

# VIESSMANN

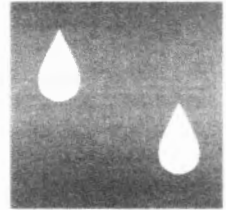
Vitodens 100-W

WB1B Series

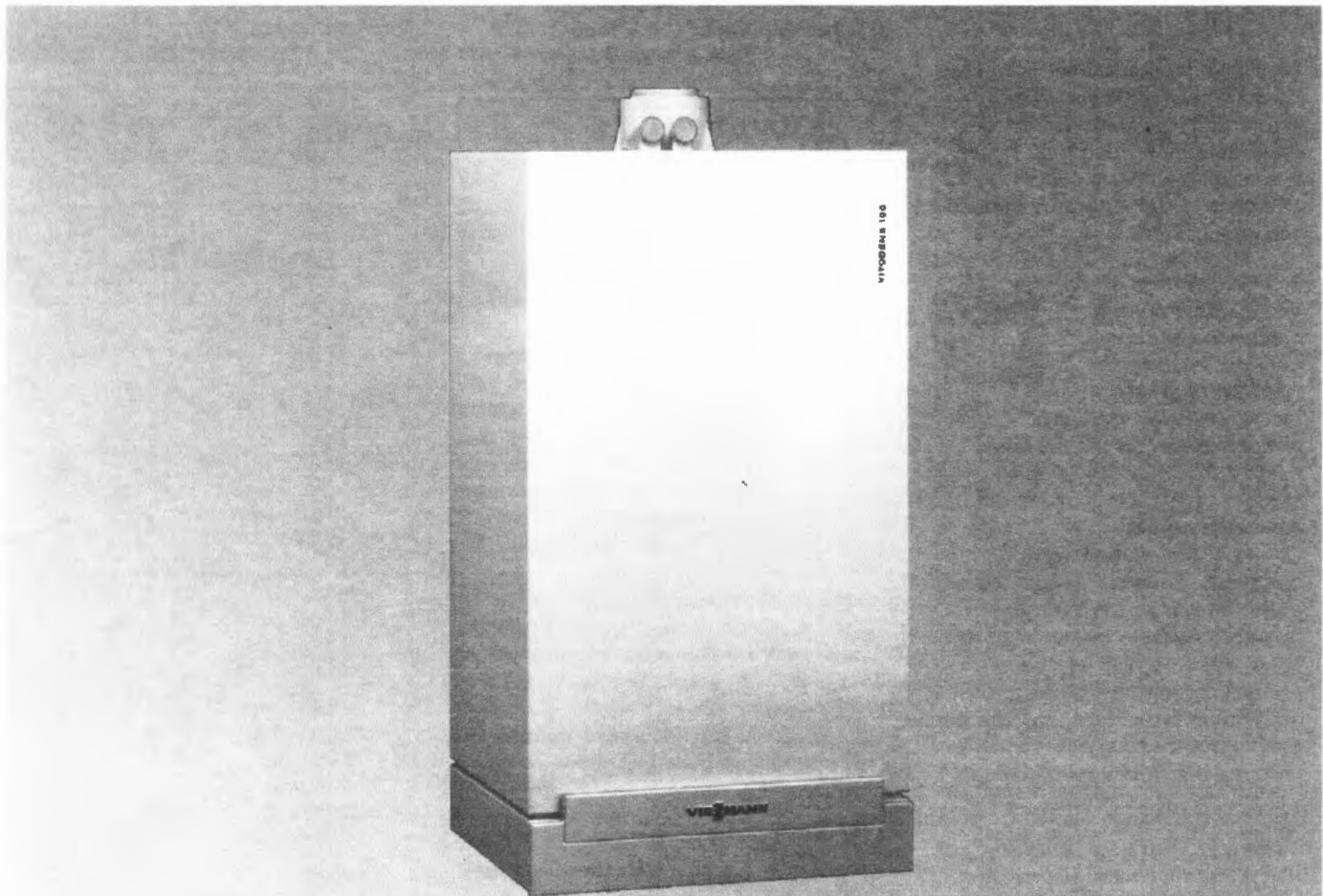
Wall-Mounted, gas-fired condensing boiler

Heating input 37 to 118 MBH  
10.8 to 34.5 kW

Please file in Service Binder



## VITODENS 100-W



Vitodens 100-W, WB1B  
(with preinstalled coaxial vent pipe adaptor)

### IMPORTANT

Read and save these instructions  
for future reference.

**Before Set-up**

Before placing boiler in its installation location, ensure all necessary accessories are installed.

**CAUTION**

The boiler must be installed in such a way that gas ignition system components are protected from water (spraying, splashing, etc.) during boiler operation and service.

**Minimum Clearances**

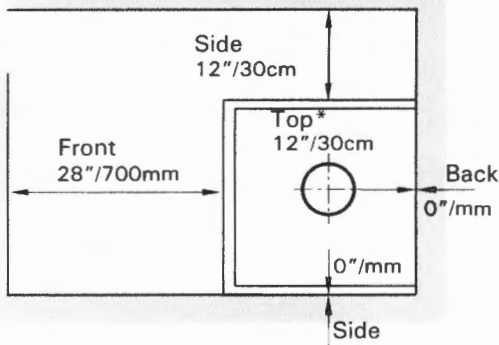


Fig. 2

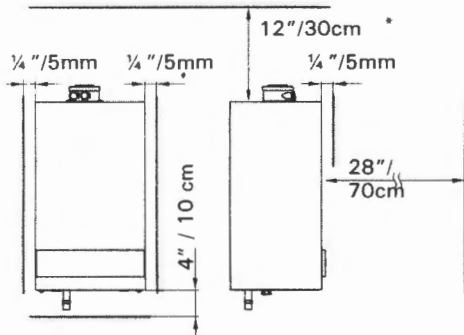


Fig. 3

**Recommended minimum service clearances**

Refer to Fig. 2 and 3.

**Note:**

The Vitodens 100-W boiler has passed the zero inches vent clearance to combustibles testing requirements dictated by the boiler Harmonized Standard ANSI Z21.13. CSA 4.9.2007 and therefore is listed for zero clearance to combustibles when vented with a single-wall special venting system (AL-29-4C material) or UL/ULC-listed CPVC gas vent material. The zero inches vent clearance to combustibles for the Vitodens 100-W boiler supercedes the clearance to combustibles listing that appears on the special venting system label.

Top clearance - 12" / 30 cm.



See the Vitodens Venting System Installation Instructions.

**Clearance to combustibles**

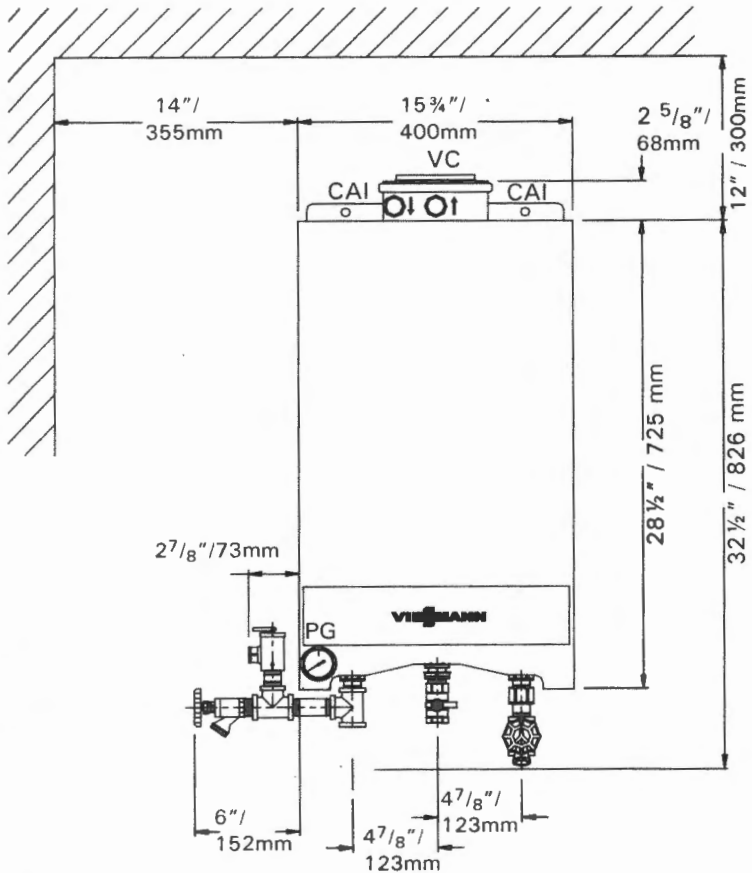
Top	Front	Rear	Left	Right	Vent pipe*1
0	0 AL, CL	0	0	0	0

AL = Alcove  
CL = Closet

\*1 Refer to the Installation Instructions of the Vitodens Venting System for details.

**Preparing the Connections** *(continued)*

**Dimensions overview with piping connections**



*This section is an overview only!  
Refer to subsequent sections for  
detailed information on individual  
piping connections.*

**Piping connections for Vitodens  
100-W, WB1B 26 and 35  
(factory supplied)**

- Legend**
- BWR Boiler water return, 3/4"
  - BWS Boiler water supply, 3/4"
  - BD Boiler drain
  - BF Boiler fill
  - GC Gas connection, 3/4" NPTM  
(male thread)
  - PRV Pressure relief valve
  - PG Pressure gage
  - VC Venting connection
  - CAI Combustion air inlet  
connection (optional)

Fig. 6

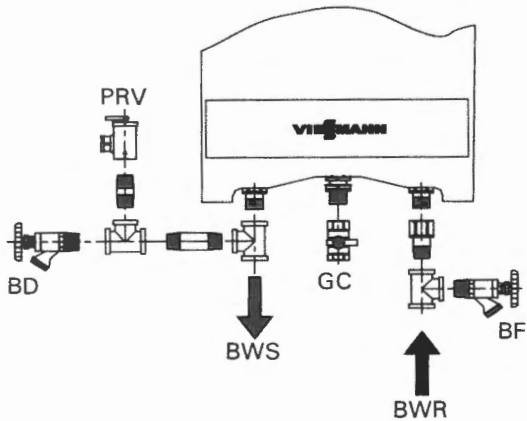


Fig. 7



# Installation Instructions

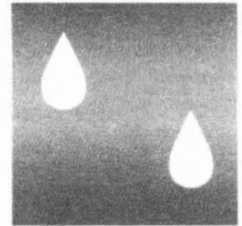
for use by heating contractor

# VIESSMANN

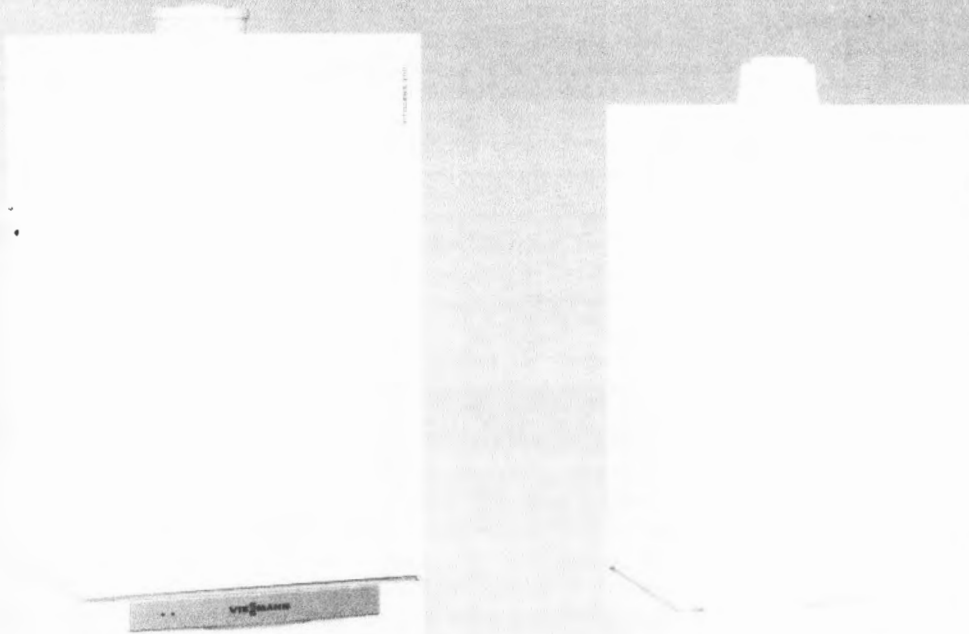
## Venting System

for Vitodens 100-W WB1B Series  
and Vitodens 200-W WB2B Series

Please file in Service Binder



## Rigid Pipe Venting System



Vitodens 100-W, WB1B and  
Vitodens 200-W WB2B Series  
(with preinstalled coaxial vent pipe adaptor)

**IMPORTANT**

**Read and save these instructions  
for future reference.**



## Vent Length Requirements

### Equivalent vent length calculation example - CPVC system

Table 46. (see also fig. 63)

Type of fitting	Equivalent length ft. / m
90° long sweep elbow (CPVC)	5 / 1.52
45° long sweep elbow (CPVC)	3 / 0.91

### Equivalent vent length calculation example (Vitodens WB1B or WB2B system diameter 2")

Maximum allowable equivalent length is 86 ft. / 31 m  
(see table 41 and fig. 53 on page 59)

2 x 90° elbow .....	10 ft. / 3.05 m
4 x 45° elbow .....	12 ft. / 3.66 m
Exhaust vent pipe .....	10 ft. / 3.05 m
Air intake pipe .....	10 ft. / 3.05 m
Combined total equivalent vent length (a + b) .....	42 ft. / 12.81 m

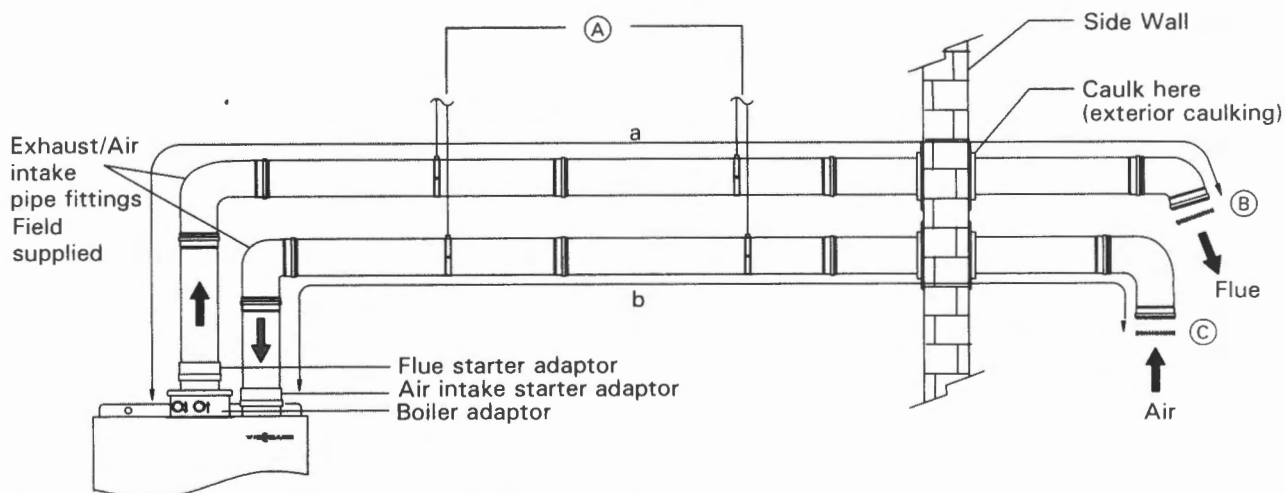


Fig. 64 Vitodens 100-W and 200-W, WB2B 19, 26, 35

#### Legend

- (A) Support system
- (B) Exhaust pipe termination with screen
- (C) Combustion air intake with screen
- a Equivalent vent length (exhaust)
- b Equivalent vent length (air intake)



# PORTLAND MAINE

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Receipts Details:

**Tender Information:** Check , BusinessName: Charlie Burnham, Check Number: 8212  
**Tender Amount:** 140.00

Receipt Header:

**Cashier Id:** gguertin  
**Receipt Date:** 10/15/2012  
**Receipt Number:** 49210

Receipt Details:

Referance ID:	8342	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	140.00	Charge Amount:	140.00
Job ID: Job ID: 2012-10-5167-HVAC -			
Additional Comments: Charlie Burnham			

Thank You for your Payment!