

**City of Portland, Maine - Building or Use Permit Application**  
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 10-1322	Issue Date:	CBL: 400 D019001
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Location of Construction: 406 RAY ST	Owner Name: JORDAN JOHN R	Owner Address: 19 MITCHELLWOOD DR	Phone:
Business Name:	Contractor Name: Tim Davis Plumbing & Heating	Contractor Address: P.O. Box 255 Lyman	Phone: 2073245237
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: R-3

Past Use: Single Family Home	Proposed Use: Single Family Home - install a Crown Boiler in basement	Permit Fee: 560.00	Cost of Work: \$3,500.00	CEO District: 4
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FIRE DEPT: <i>N/A</i>	<input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: <i>R3</i> Type: <i>HVAC</i>
Signature:	Signature: <i>[Signature]</i>	

Proposed Project Description:  
install a Crown Boiler in basement

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action:  Approved  Approved w/Conditions  Denied

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit Taken By: Idobson	Date Applied For: 10/21/2010	<b>Zoning Approval</b>
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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 information may invalidate a building permit and stop all work..	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> <i>OK w/condition</i> Date: <i>10/21/10</i> <i>AM</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied <i>N/A</i> Date: _____
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**PERMIT ISSUED**

OCT 25 2010

City of Portland

**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

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Permit No: 10-1322	Date Applied For: 10/21/2010	CBL: 400 D019001
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Location of Construction: 406 RAY ST	Owner Name: JORDAN JOHN R	Owner Address: 19 MITCHELLWOOD DR	Phone:
Business Name:	Contractor Name: Tim Davis Plumbing & Heating	Contractor Address: P.O. Box 255 Lyman	Phone (207) 324-5237
Lease/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Single Family Home - install a Crown Boiler in basement	Proposed Project Description: install a Crown Boiler in basement
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Dept: Zoning	Status: Pending	Reviewer: Ann Machado	Approval Date: 10/21/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval.			
Dept: Building	Status: Approved with Conditions	Reviewer: Jonathan Rioux	Approval Date: 10/25/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.			
2) Maintain proper setback(s) from property lines/buildings and proper clearances from verticle openings when direct venting.			
3) The installation must comply with the State of Maine Gas Regulations.			

**PERMIT ISSUED**

OCT 25 2010

City of Portland

82.00

# CROWN Boiler Co.

DESIGNED TO LEAD

## MWC Series

Mid Efficiency Gas-Fired Hot Water  
Direct Vent Condensing Boilers

### INSTALLATION INSTRUCTIONS

These instructions must be affixed on or adjacent to the boiler.



#### Models:

- MWC116ENT
- MWC116ELT
- MWC116ENL
- MWC116ELL

**WARNING.** Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or loss of life. For assistance or additional information, consult a qualified installer, service agency or the gas supplier. This boiler requires a special venting system. Read these instructions carefully before installing.

# CROWN Boiler Co.

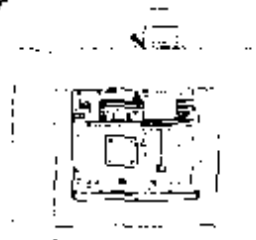
Manufacturer of Hydronic Heating Products

P.O. Box 14818 3633 I. Street

Philadelphia, PA 19134

Tel: (215) 535-8900 • Fax: (215) 535-9736 • [www.crownboiler.com](http://www.crownboiler.com)

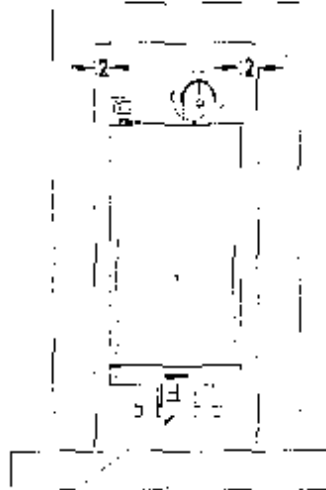
Clearance From  
Ceiling Vent Pipe To  
Combustibles = 0"



Removable Front  
Access Panel

Top View

15-34



Clearance From  
Hot Water Pipes To  
Combustibles = 1"

Front View

#### CLEARANCES TO COMBUSTIBLE & NON-COMBUSTIBLE CONSTRUCTION:

THIS BOILER IS APPROVED FOR CLOSET INSTALLATION WITH THE FOLLOWING MINIMUM CLEARANCES:

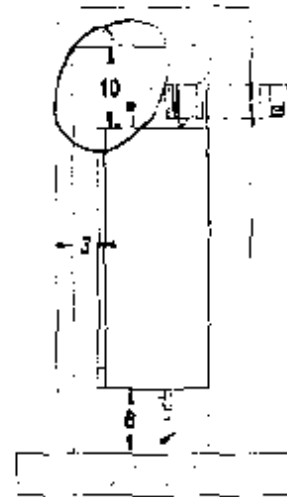
TOP = 10"  
FRONT = 3"  
SIDES = 7"  
BOTTOM = 8"

#### RECOMMENDED SERVICE CLEARANCES:

TOP = 10"  
FRONT = 24"  
SIDES = 6"  
BOTTOM = 24"

THESE SERVICE CLEARANCES ARE RECOMMENDED, BUT MAY BE REDUCED TO THE MINIMUM CLEARANCES PROVIDED:

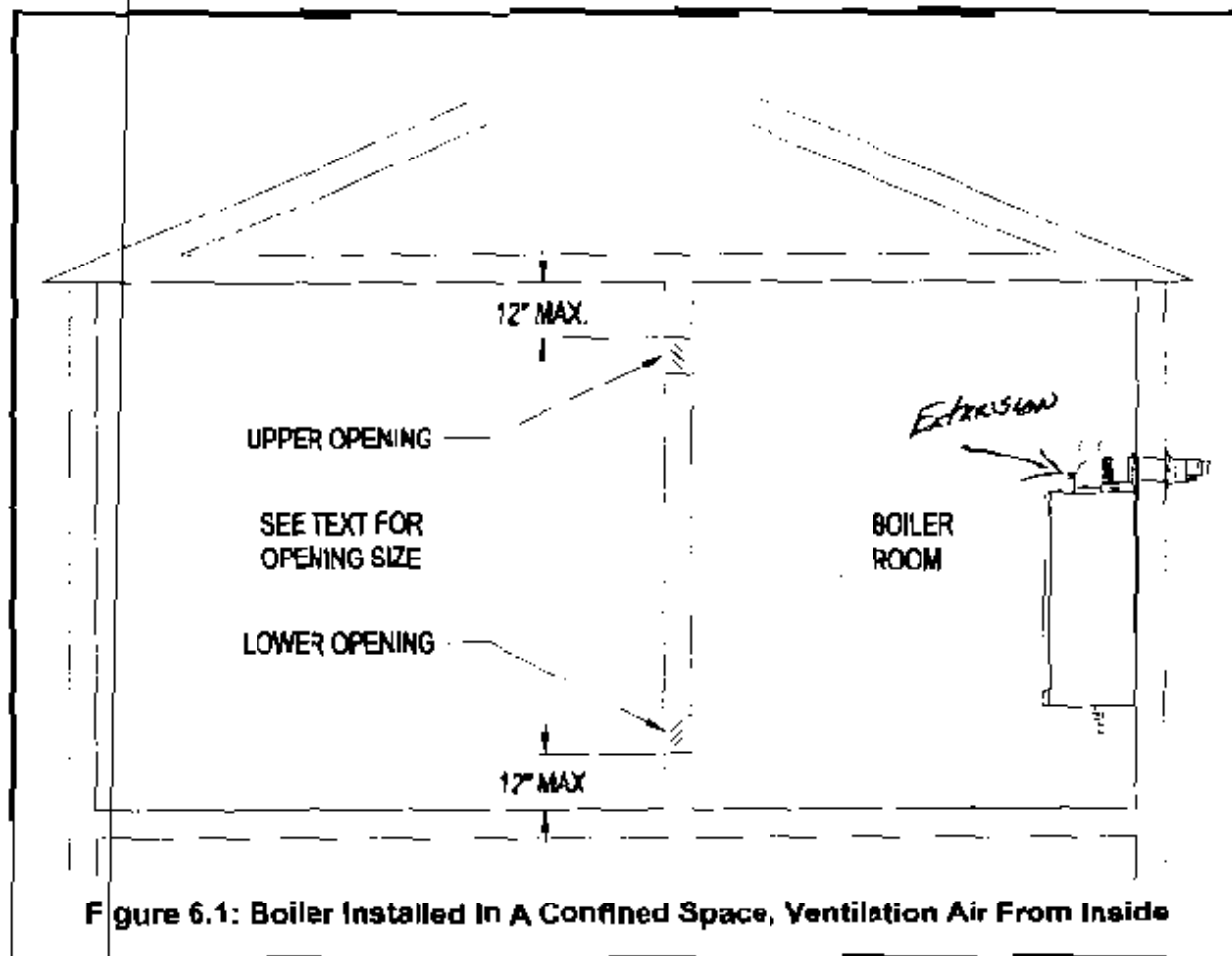
1. ACCESS TO THE FRONT OF THE BOILER IS PROVIDED THROUGH A DOOR.
2. ACCESS IS PROVIDED TO THE CONDENSATE TRAP AND UNIONS LOCATED UNDERNEATH THE BOILER.



Right View

Provide Access To This Area  
For Inspection Of Condensate  
Trap & Unions

Figure 4.1: Clearances To Combustible Or Non-combustible Material



**Figure 6.1: Boiler Installed In A Confined Space, Ventilation Air From Inside**

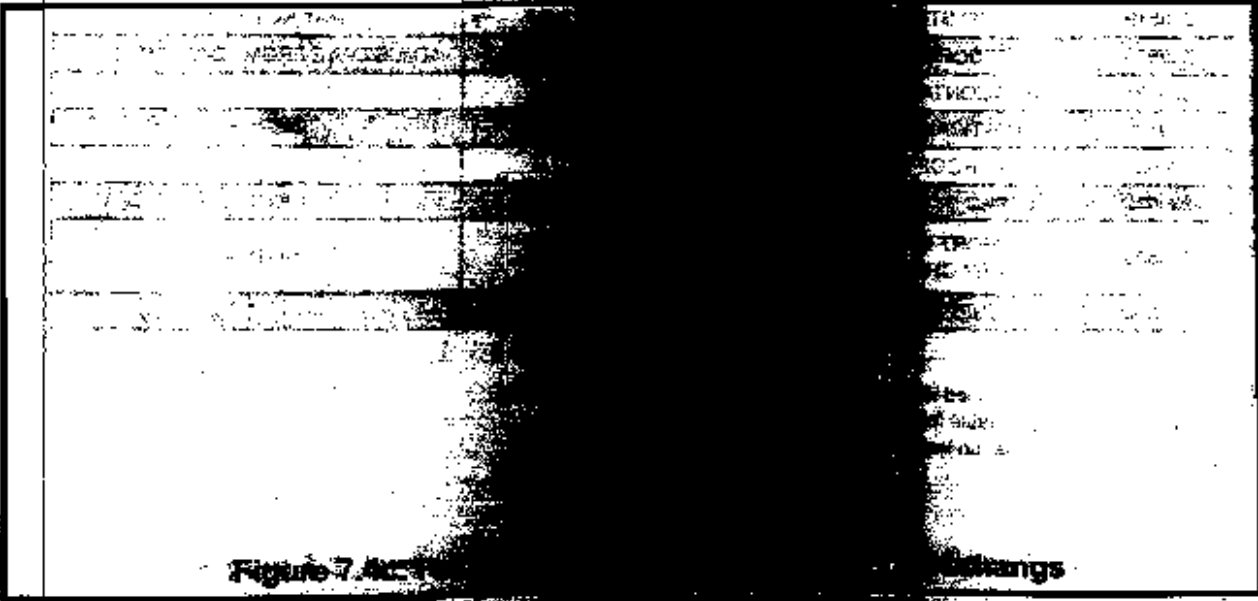
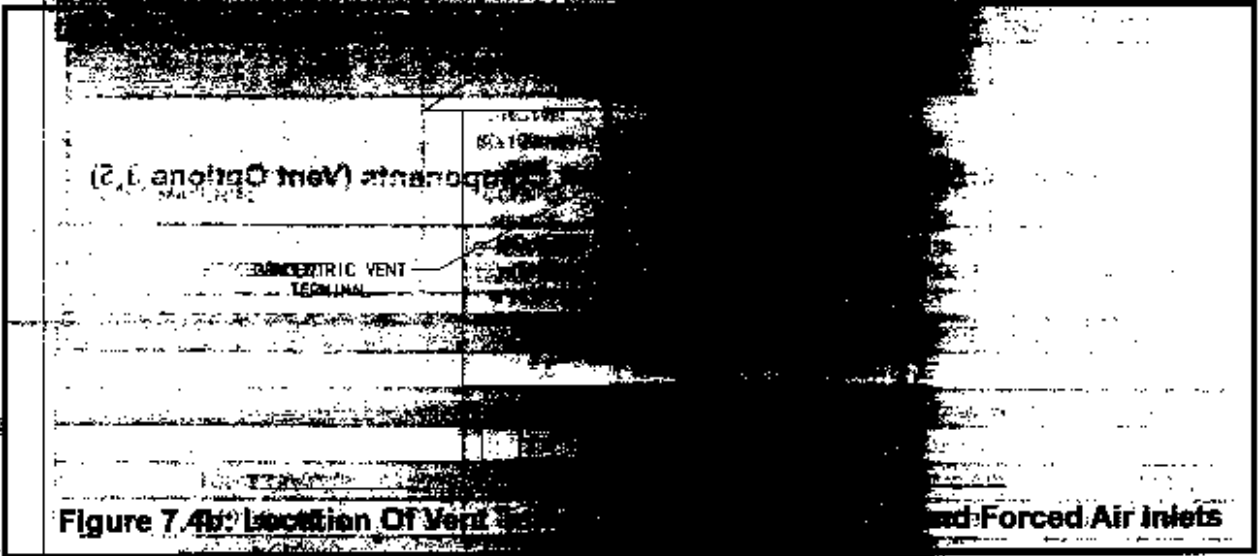
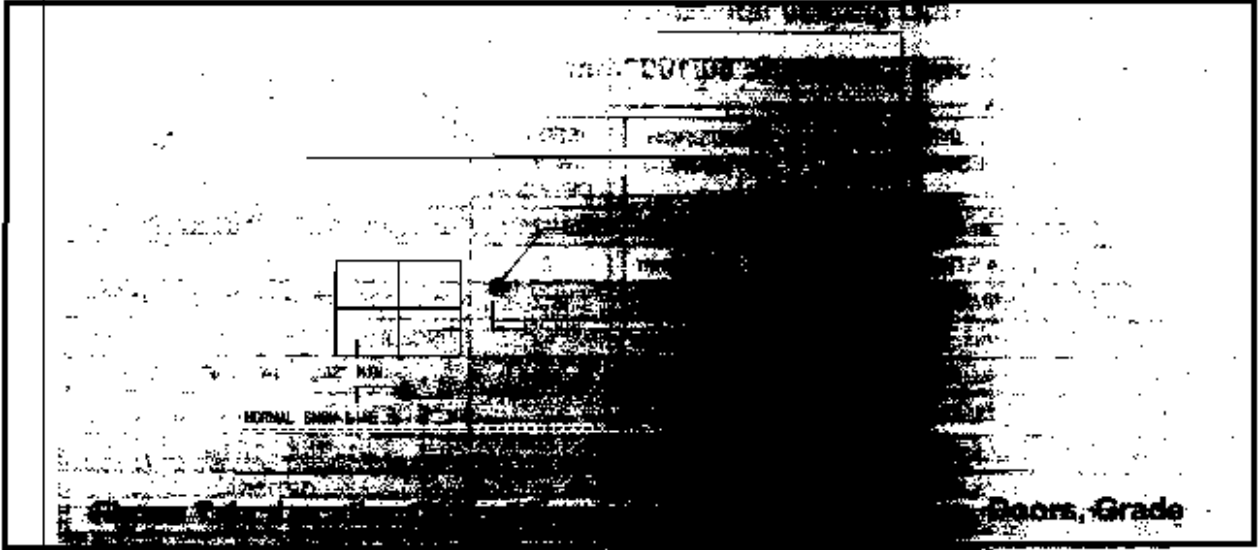
have a minimum free area of 54 square inches.

- If other gas-burning appliances are in the boiler room, size the openings in accordance with the appliance manufacturer's instructions or the National Fuel Gas Code ANSI Z223.1/NFPA 54 and/or CAN/CSA B 149.1. Minimum opening free area is 54 square inches even if opening requirements for other appliances are less.

**Step 2a (contd.)**

- If the total volume of both the boiler room and the room to which the openings connect is less than 50 cubic feet per 1000 BTU/hr of total appliance input, install a pair of identical openings into a third room. Connect additional rooms with openings until the total volume of all rooms is at least 50 cubic feet per 1000 BTU/hr of input.
- The "free area" of an opening takes into account the blocking effect of mesh, grills, and covers. Where screens are used, they must be no finer than  $\frac{1}{4}$ " (4 x 4) mesh.

**Step 2b:** If the boiler is to be placed in an unconfined space the natural infiltration into the boiler room will provide adequate air for ventilation without additional openings into boiler room.





# CITY OF PORTLAND, MAINE

Department of Building Inspections

## Original Receipt

Received from

Tim Davis

Location of Work

406 Bay St

Cost of Construction \$

Building Fee

Permit Fee \$

Site Fee

Certificate of Occupancy Fee:

Building (B) \_\_\_\_\_

Plumbing (P) \_\_\_\_\_

Electrical (E) \_\_\_\_\_

Site Plan (S) \_\_\_\_\_

Other \_\_\_\_\_

CAL: 402219

Total: 60

Check #: 4094

Total Collected: 60

**No work is to be started until permit issued.  
Please keep original receipt for your records.**

Taken by: sd

WHITE - Applicant's Copy  
YELLOW - Office Copy  
PINK - Permit Copy