

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that DIVERSIFIED PROPERTIES

Located At 18 CASTINE AVE

Job ID: 2012-10-5135-HVAC

CBL: 309- E-010-001

has permission to Install HVAC. Navien boiler

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

**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.**

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: 2012-10-5135-HVAC

Located At: 18 CASTINE AVE

CBL: 309- E-010-001

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: 2012-10-5135-HVAC	Date Applied: 10/9/2012	CBL: 309- E-010-001	
Location of Construction: 18 CASTINE AVE	Owner Name: DIVERSIFIED PROPERTIES	Owner Address: PO BOX 10127 PORTLAND, ME 04104	Phone:
Business Name:	Contractor Name: TIMOTHY R DAVIS @TIM DAVIS PLUMBING & HEATING INC	Contractor Address: P.O. BOX 255 AVE LYMAN MAINE 04002-0255	Phone: 467-1889
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: R-3
Past Use: Single family dwelling (under construction)	Proposed Use: Same: Single family dwelling – to install Navien heating system	Cost of Work: \$4,000.00	CEO District:
		Fire Dept: Approved Denied N/A	Inspection: Use Group: R-3 Type: HVAC
Proposed Project Description: Install HVAC, Navien boiler		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Brad		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>[Signature]</i> 10/9/12</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><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>[Signature]</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 appication 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.

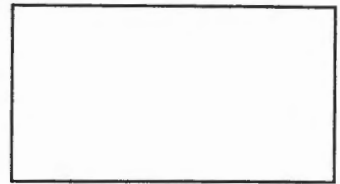
SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



2012-10-S135-HWAC

Event 10/9/12



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 18 CASTING ROAD 309 E10 Use of Building Residential Date 10/5/12
 Name and address of owner of appliance Diversified Properties
Westbrook ME.
 Installer's name and address Tim Davis Plumbing & Heating Inc.
P.O. Box 255 Lyman, ME Telephone 467-1889

Location of appliance:

- Basement
- Attic
- Floor
- Roof

RECEIVED

OCT 05 2012

Dept. of Building Inspections
City of Portland Maine

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: NAUEN

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 # MS 60007706
- Solid Fuel # _____
- Oil # _____
- Gas # NPT 4652
- Other _____

Type of Chimney:

- Masonry Lined
- Metal
- Factory built _____
- Factory Built U.L. Listing # _____

Direct Vent
Type PVC UL# _____

Type of Fuel Tank

- Oil
- Gas

Size of Tank 100 GAL

Number of Tanks 1

Distance from Tank to Center of Flame 20' feet.

Cost of Work: \$ 3,500.00

Permit Fee: \$ 60.00

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer _____



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Receipts Details:

Tender Information: Check , Check Number: 4853

Tender Amount: 60.00

Receipt Header:

Cashier Id: bsaucier

Receipt Date: 10/9/2012

Receipt Number: 49060

Receipt Details:

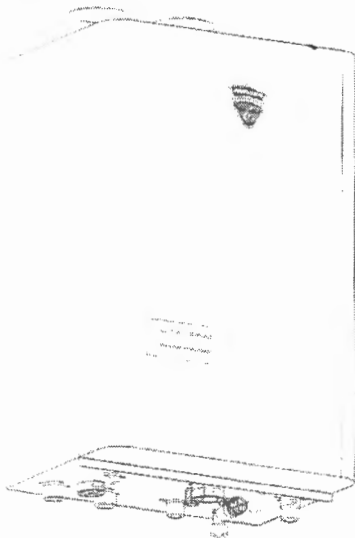
Referance ID:	8293	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	60.00	Charge Amount:	60.00
Job ID: Job ID: 2012-10-5135-HVAC - Install HVAC, Navien boiler			
Additional Comments: 18 Castine Rd			

Thank You for your Payment!

Condensing **NAVIENT**

Navigating Energy and Environment

Installation Manual



For potable water heating and space heating



CH-180 ASME
CH-210 ASME
CH-240 ASME

MODEL

Keep this manual near the navien Combination Boiler for future reference whenever maintenance or service is required.

⚠ WARNING

If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

⚠ CAUTION

This product warranty is valid only used in the America and Canada but automatically be voided for other countries. (for America and Canada unit standard only)

Please return the "Installation Manual" to the customer after installing.

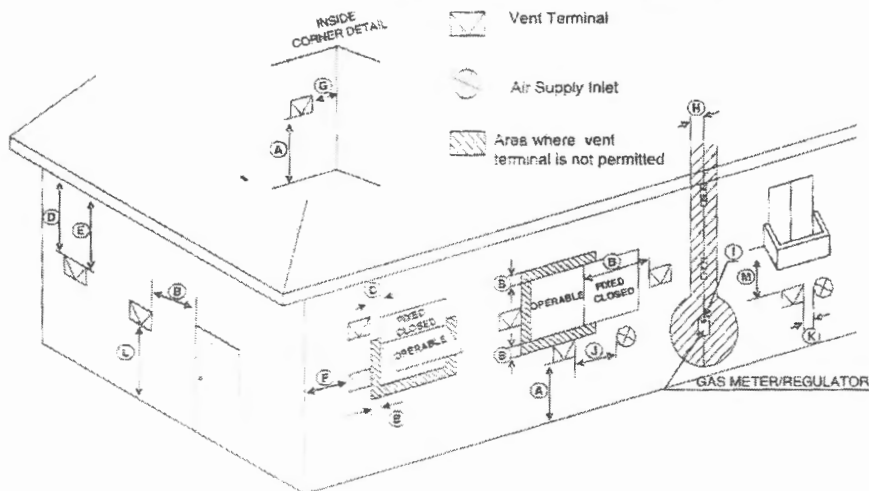
KD NAVIENT

**Navien Gas Combination Boiler
Installation Manual**

Venting Clearances:

All clearance requirements are in accordance with ANSI Z21.10.3 and the National Fuel Gas Code, ANSI Z223.1 / NFPA 54 and CGA B149.1 Natural Gas and Propane Installation Code.

ANSI Z223.1 / NFPA 54 and CGA B149.1 Natural Gas and Propane Installation Code.



	Clearance To:	US Direct Vent Indoor Installation	Canada Direct Vent Indoor Installation
A	Above grade, veranda, porch, deck or balcony	1'	1'
B	Window or door that may be opened	1'	3'
C	Permanently closed window	*	*
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet from the center of the terminal	*	*
E	Unventilated soffit	*	*
F	Outside corner	*	*
G	Inside corner	*	*
H	Each side of center line extended above meter/regulator assembly	*	3' within a height 15' above meter/regulator assembly
I	Service regulator vent outlet	*	3'
J	Non-mechanical air supply inlet or combustion air inlet to any other appliance	1'	3'
K	Mechanical air supply inlet	3' above if within 10' horizontally	6"
L	Above paved sidewalk or paved driveway located on public property	*	7'
M	Under veranda, porch, deck, or balcony	*	1'

Locating the Combination Boiler:

7. Select a location that ensures the boiler will have sufficient and clean, combustion air; avoid installation where dust or debris will accumulate; avoid installation where chemical agents (e.g., hair spray, spray detergent, chlorine, chemicals) are used.
8. If installing into a very tight space or corner, please ensure there is sufficient service and maintenance access to all gas and water piping to ensure that regular maintenance (such as cleaning the water filter, the air filter and the condensate trap) will not become problematic.

Allow sufficient clearance:

	Indoor install
Top of Boiler	Min. 9 inches
Back of Boiler	Min. 0.5 inches
Front of Boiler	Min 4 inches
Sides of Boiler	Min. 3 inches
Bottom of Boiler	Min. 12 inches

9. DO NOT install in an area that contains or stores gasoline or other flammables.
10. Ensure that combustibles are clear of the immediate area. Ensure hanging laundry or other such items will not impede the air movement into or out of the Combination Boiler or its venting.
11. For commercial applications, avoid greasy fumes or a large amount of steam; take measures to prevent the fumes and steam from entering in the equipment.
12. The boiler piping system of a hot water boiler connected to heating coils located in air handling units where they may be exposed to refrigerated air circulation must be equipped with flow control valves or other automatic means to prevent gravity circulation of the boiler water during the cooling cycle.

Mounting the Unit to the Wall:

1. All Navien units come with an upper mounting bracket pre-drilled at 16" on center for easy installation on standard stud walls. Affix the bracket to the wall securely, ensuring that it is level and that it can support the weight of the combination Boiler. If the strength of the wall is not sufficient, reinforce the area to prevent any unsafe situations.
2. If the framing is not standard, reinforcement of the wall is required or if installing on an uneven surface, fasten 3/4" plywood to the stud wall and then attach the mounting brackets to the plywood.
3. When using the supplied mounting bracket, it creates a 5/8" clearance from the back of the unit.
4. The upper bracket is installed on the wall and the combination Boiler is then hung on the bracket. On the back of the combination Boiler at each of the top corners, there is a hanger bracket on the back of the combination Boiler that interlocks with a tabs on the wall mounting bracket.