

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 07-0275	Issue Date:	CBL: 053 A014001
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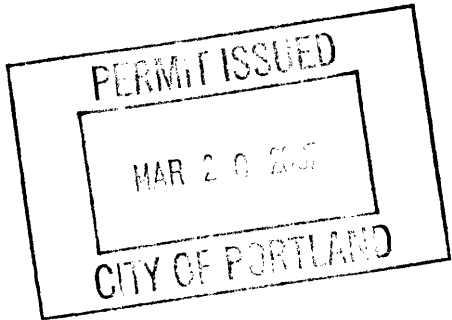
Location of Construction: 27 BOYNTON ST	Owner Name: MCDONALD SHELDON	Owner Address: 5 ROCKWELL ST	Phone:
Business Name:	Contractor Name: Waynes Plumbing and Heating	Contractor Address: 158 St. John St Portland	Phone 2077747849
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: RL

Past Use: 3 Unit Residential	Proposed Use: 3 Unit Residential - install a Williamson oil fired boiler in basement legal use: 3 d.v.	Permit Fee: \$70.00	Cost of Work: \$4,200.00	CEO District: 2
Proposed Project Description: install a Williamson oil fired boiler in basement		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied TO NFPA 31	INSPECTION: Use Group: 2-3 Type: 513 IRL-2007 Signature: Greg Cuss Signature: 3/20/07 PL	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____		

Permit Taken By: ldobson	Date Applied For: 03/20/2007	Zoning Approval	
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- 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"/> OK Date: 3/20/07 ABU	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 ABU Date:
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CERTIFICATION

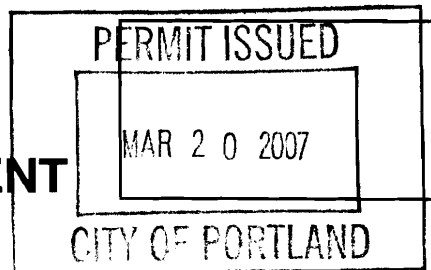
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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



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 27 Boynton St 3Rd FL Use of Building Res Date 3/19/07

Name and address of owner of appliance Sheldon McDonald 27 Boynton St

Installer's name and address Waynes Plumbing + Heating 158 St John St Portland ME 04102
450-9055 Telephone 7747849

Location of appliance:

- Basement Floor
- Attic Roof

Type of Fuel:

- Gas Oil Solid

Appliance Name: Williamson oil boiler

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 # MS 30001002
- Gas # _____
- Other _____

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type _____

Type of Fuel Tank

- Oil
- Gas

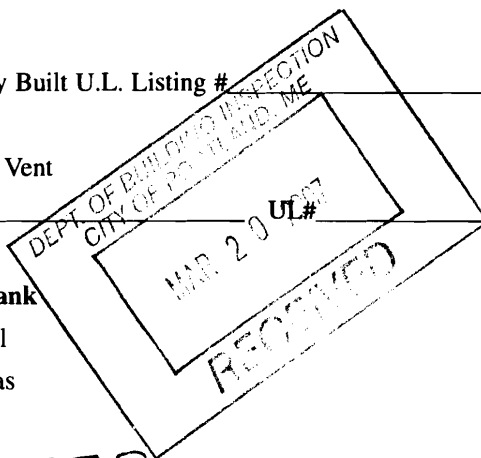
Size of Tank 275

Number of Tanks 1

Distance from Tank to Center of Flame 12 feet.

Cost of Work: \$ 4200.00

Permit Fee: \$ 70



Approved

Fire: _____

Ele.: _____

Bldg.: _____

Approved with Conditions

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer Robert G. [Signature]

City of Portland, Maine - Building or Use Permit

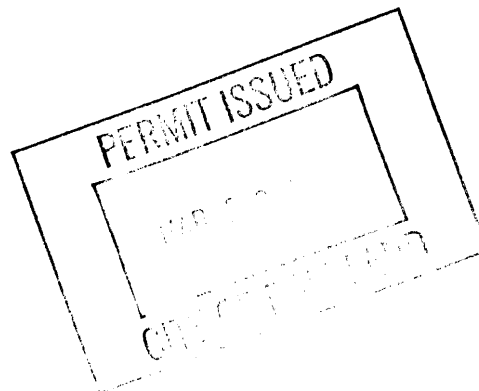
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Business Name:	Contractor Name: Waynes Plumbing and Heating	Contractor Address: 158 St. John St Portland	Phone (207) 774-7849
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: 3 Unit Residential - install a Williamson oil fired boiler in basement	Proposed Project Description: install a Williamson oil fired boiler in basement
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Dept: Zoning	Status: Approved	Reviewer: Ann Machado	Approval Date: 03/20/2007
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
Dept: Building	Status: Approved with Conditions	Reviewer: Chris Hanson	Approval Date:
Note:	Ok to Issue: <input type="checkbox"/>		
1) Installation shall comply with 2003 International Mechanical Code and State of Maine Oil and Solid Fuel Board Laws and Rules			
Dept: Fire	Status: Approved with Conditions	Reviewer: Cptn Greg Cass	Approval Date: 03/20/2007
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) Install shall comply with NFPA 31			



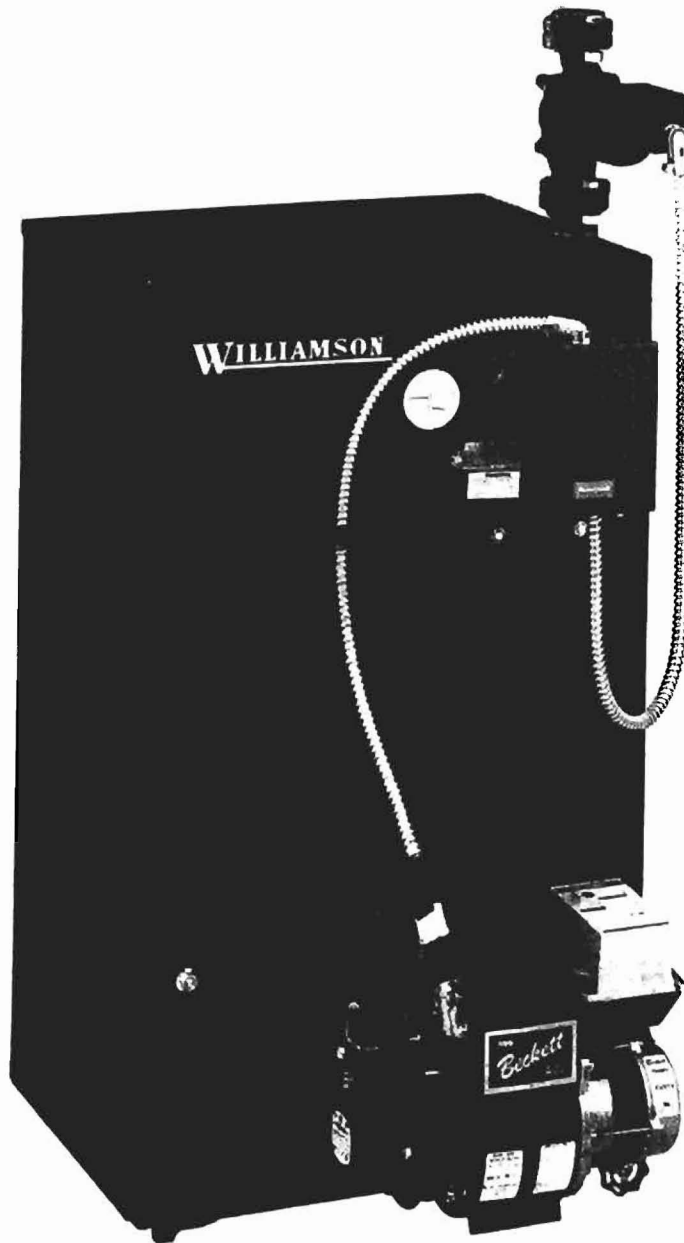


OWT

Oil-fired Water Boilers

- Factory tested
- Easy service
 - Swing-away burner door
 - Low draft loss
 - Top access cleanout cover
 - Plug-in wiring harness
- High efficiency oil burner
 - Flame retention head design
 - Solenoid valve
 - PSC motor
 - Solid state ignitor
- Rear flue outlet
- Cast iron sections with built-in air separator
- Insulated heavy-gauge steel jacket
- Limited lifetime warranty

- Factory-packaged
- 0.75 to 2.00 GPH Input
- ~~With tankless heater~~



Williamson

RATINGS



Boiler model number	I=B=R burner capacity	DOE heating capacity	Net I=B=R ratings	DOE seasonal efficiency	Flue connection size	Minimum I=B=R chimney size (x 15' high)		Boiler water content	Draft loss through boiler	Circulator flange size (Recommended supply & return pipe size, NPT)
	GPH ①	MBH ②	MBH ③	% AFUE	(Round)	Rectangular	Round	Gallons	Inches W.C.	
OWT-3-075	0.75	90	78	84.3	7"	8" x 8"	6"	11.0	.000	1 1/4"
OWT-3-100	1.00	116	101	82.2	7"	8" x 8"	6"	11.0	.000	
OWT-4-110	1.10	129	112	82.5	7"	8" x 8"	6"	13.4	.010	
OWT-4-125	1.25	145	126	81.7	7"	8" x 8"	6"	13.4	.010	
OWT-5-135	1.35	159	138	82.8	7"	8" x 8"	7"	15.9	.010	1 1/2"
OWT-5-150	1.50	174	151	81.3	7"	8" x 8"	7"	15.9	.010	
OWT-5-165	1.65	191	166	81.2	7"	8" x 8"	7"	15.9	.010	
OWT-6-175	1.75	203	177	80.8	7"	8" x 8"	7"	18.4	.000	
OWT-6-200	2.00	231	201	80.7	7"	8" x 8"	7"	18.4	.005	

① Based on 140,000 Btu/h per gallon, #2 fuel oil.

② Based on standard test procedures prescribed by the United States Department of Energy, with combustion conditions of 13% CO₂ and -0.02" W.C. draft.

③ Net I=B=R ratings are based on net installed radiation of sufficient quantity for the requirements of the building and nothing need be added for normal piping and pickup. Ratings are based on a piping and pickup allowance of 1.15. Additional allowance should be made for unusual piping and pickup loads.

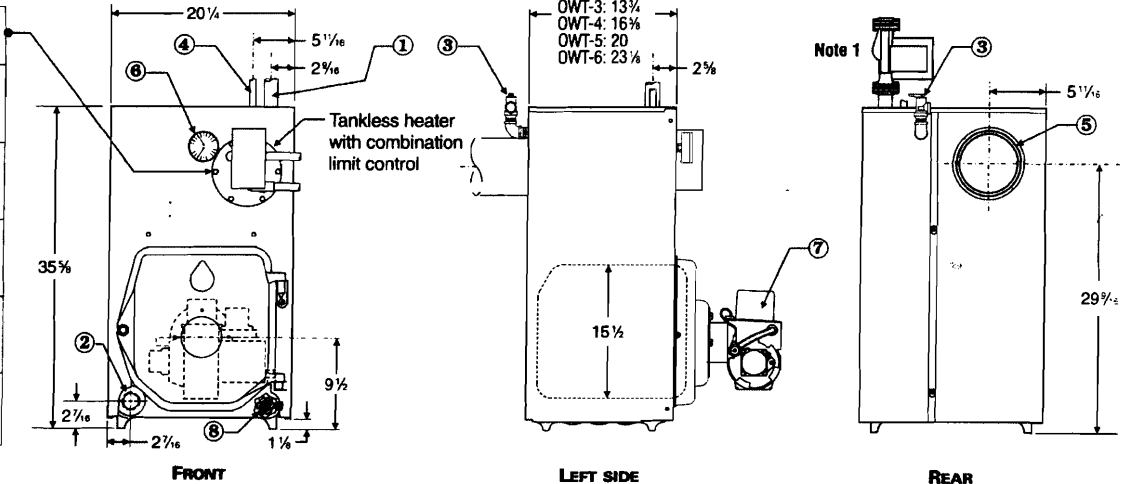
DOE

DIMENSIONS

ALL DIMENSIONS IN INCHES

Boiler model	Tankless heater	Intermittent draw rating
OWT-3	WT-11	3.00 GPM (50°F to 140°F)
OWT-4	WT-14	3.75 GPM (40°F to 140°F)
OWT-5	WT-14	4.00 GPM (40°F to 140°F)
OWT-6	WT-14	4.25 GPM (40°F to 140°F)

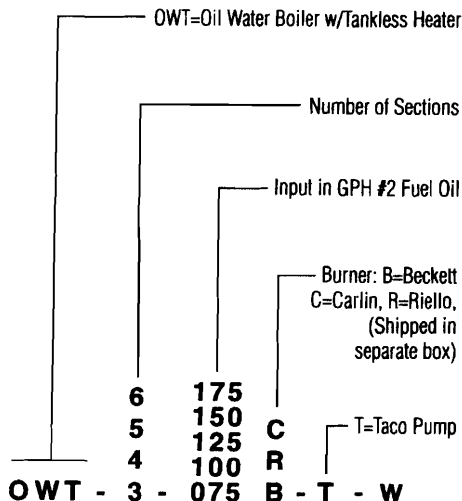
Tankless heater tappings are 1/2" NPT, with 3/4" NPT center tapping for tankless temperature control/limit.



- | | |
|---------------------------------------|---|
| ① Supply piping (Note 1) | ⑤ Vent connection — 7" diameter |
| ② Return piping (Note 1) | ⑥ Pressure/temperature gauge |
| ③ Relief valve, 3/4" NPT | ⑦ Oil burner (shipped in separate carton) |
| ④ 1/2" NPT to expansion tank/air vent | ⑧ Drain valve |

Note 1: Boiler supply and return tappings are 1 1/2" NPT. Circulator flanges shipped with boiler are sized to recommended pipe size listed in RATINGS table, above.
Boiler circulator is shipped loose. Circulator may be mounted on either boiler supply or return piping.

ORDER CODE



EQUIPMENT

- Factory tested
- Factory-assembled cast iron section assembly, including aluminized steel flue collector, swing-away burner mounting door, with refractory blanket and recessed target wall in combustion chamber
- Taco 007 circulator
- High efficiency flame-retention oil burner (Beckett AFG, or Carlin EZ, or Riello)

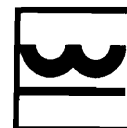
- High limit control with circulator relay
- Built-in air separator
- Combination pressure/temperature gauge
- 30 PSIG ASME relief valve
- Drain valve
- Barometric damper
- Tankless heater

OPTIONAL

- Two-stage oil burner fuel unit

WARRANTY

- Limited lifetime warranty on heat exchanger
- 3-year limited warranty on parts
- Optional 5- or 10-year parts and labor warranty



Williamson

8201 W. Calumet Road • Milwaukee, WI 53223