

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 10-0070	Issue Date:	CBL: 384 A021001
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Location of Construction: 476 SUMMIT ST	Owner Name: GRACE BAPTIST CHURCH	Owner Address: 476 SUMMIT ST	Phone:
Business Name:	Contractor Name: Wayne Halls Heating Service	Contractor Address: PO box 6544 Scarborough	Phone:
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-2

Past Use: Commercial - Grace Baptist Church connected w/ permit#091329	Proposed Use: Commercial - Grace Baptist Church connected w/ permit#091329 - install a Buderus Boiler	Permit Fee: \$280.00	Cost of Work: \$26,000.00	CEO District: 5
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>*See Conditions</i>	INSPECTION: Use Group: A-3 Type: HVAC IMC-2003	

Proposed Project Description: Grace Baptist Church connected w/ permit#091329 - install a Buderus Boiler	Signature: <i>(KG)</i>	Signature: <i>AMB 2/1/10</i>
PEDESTRIAN ACTIVITIES DISTRICT (P.A.S.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: 01/26/2010	Zoning Approval
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<ol style="list-style-type: none"> 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"/> Date: <i>1/26/10</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 Date:
	<p>PERMIT ISSUED</p> <p>FEB - 1 2010</p> <p>City of Portland</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

PERMIT ISSUED

FEB - 1

City of Portland

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 476 Summit St Portland Use of Building 384-A Church Date 01/25/10
 Name and address of owner of appliance Grace Baptist Church
476 Summit St Portland Maine
 Installer's name and address WAYNE HAIC'S HEATING SERVICE
P.O. box 6544 Scarborough ME. Telephone 207-885-0307

Location of appliance:

- Basement Floor
 Attic Roof

Type of Fuel:

- Gas Oil Solid

Appliance Name: Buderus

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 # 5969
 Gas # _____
 Other _____

Type of Chimney:

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

Type of Fuel Tank

- Oil
 Gas

Size of Tank _____

Number of Tanks 1

Distance from Tank to Center of Flame 10 feet.

Cost of Work: \$ 26,000.00

Permit Fee: \$ 280

Approved

Approved with Conditions

Fire: _____

Ele.: _____

Bldg.: _____

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

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Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 01/26/2010
Note: **Ok to Issue:**

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 02/01/2010
Note: **Ok to Issue:**

- 1) The appliance and venting shall be installed in accordance with the UL listing, IMC 2003 and NFPA 211.
- 2) Installation shall comply with 2003 International Mechanical Code and State of Maine Oil and Solid Fuel Board Laws and Rules

Dept: Fire **Status:** Pending **Reviewer:** Capt Keith Gautreau **Approval Date:** 01/29/2010
Note: **Ok to Issue:**

- 1) Boiler must have fire protection or in a fire rated space.
- 2) Install shall comply with all manufacture's specifications.

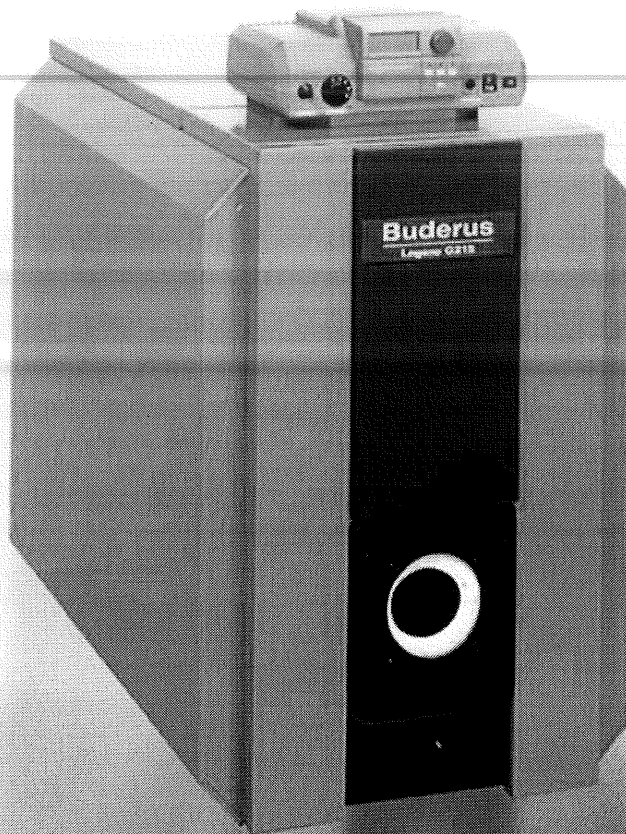
PERMIT ISSUED

FEB - 1 2010

City of Portland

G215 - G315
Cast Iron Residential Boilers

Buderus



Design Advantage — Superior Heating

High Efficiency - AFUEs Above 86%

Thermostream Design Eliminates Thermal Shock

Flexible, Corrosion Resistant GL-180M Cast Iron

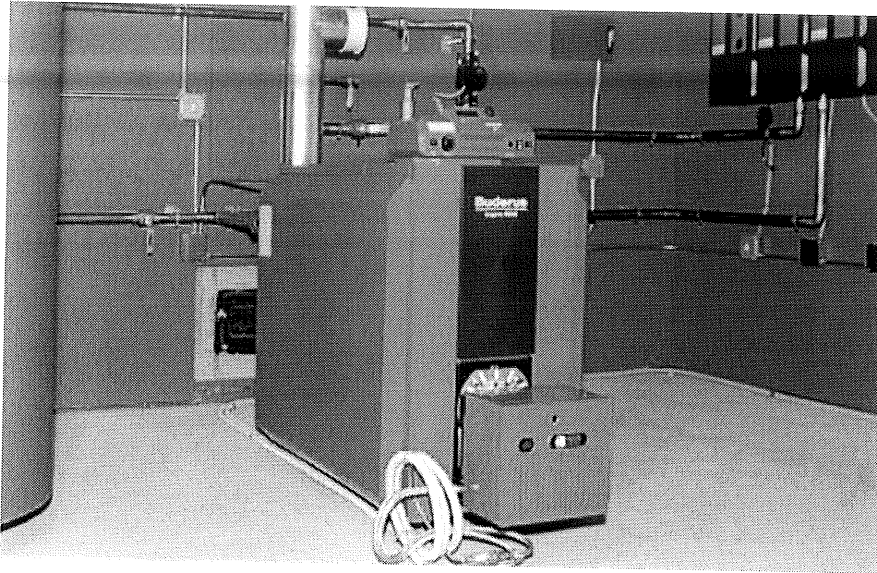
Full Swing Burner Door for Excellent Serviceability

134,000 to 768,000 BTU/Hr Output

Comfortable. Efficient. Intelligent Heating.

Maintenance and Service Convenience

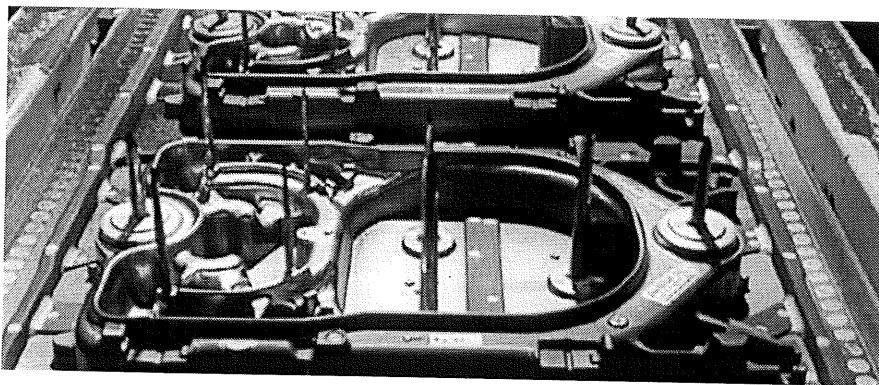
Stack temperature is easily adjustable with the removable baffles. A full swing reversible burner door allows maximum accessibility, and allows the boiler to be located almost anywhere. Buderus boilers are designed to be fully serviced from the front without disassembly and thus can be serviced in half the time of competitor's boilers. The Buderus GL-180 cast iron breaching ensures a long, problem-free life.



A Tradition of Excellence

Buderus has been working with cast iron since 1731. In fact, Buderus produced the world's first low-temperature hydronic heating systems. Today, Buderus products are acknowledged as the world standard in high-efficiency, low emissions hydronic heating. All Buderus products are designed to meet strict safety and environmental regulations.

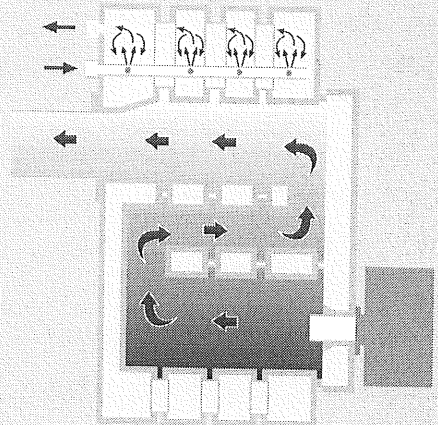
Buderus boilers are quickly and easily installed, are compatible with most hot water tanks, will outlast and outperform virtually any other residential hot water heating system and will add to your home's attractiveness and value.



The Three-Pass Boiler

The Three-Pass Boiler is Designed for:

- Optimized combustion with positive pressure-fired boilers and tailored chamber geometry — no need for a heat-consuming refractory or target wall eliminating the need for costly repairs.
- Minimal stack losses with the modified three-pass flue design's large heat transfer areas.
- Low standby losses with a full 3" jacket of thermal insulation around the entire block — even underneath the boiler!



How it works.

The flame fires into the first chamber. Then the flue products flow through the second pass to the front of the boiler. From there they reverse direction again — moving through the third pass to the back, and finally exiting via the flue connection into the chimney. Because the gases are held in the boiler longer this allows the cast iron to absorb the maximum amount of heat, resulting in a lower stack temperature and a higher efficiency.

G215

Model	G215/3	G215/4	G215/5	G215/6	G215/7
Performance Data					
D.O.E Heating Capacity (MBH)	134	171	207	256	294†
Net IBR Rating (MBH)	117	149	180	223	256
Oil Firing Rate (GPH)	1.1	1.4	1.7	2.1	2.5
AFUE (%)	86.3	86.2	86.1	86.0	86.7†
Number of Sections	3	4	5	6	7
Piping Connections					
Vent Connection Size	6"	6"	6"	6"	6"
Supply	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Return	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Physical Dimensions					
Overall Boiler Length (L)	26 1/4"	31"	35 3/4"	40 1/2"	45 1/2"
Boiler Block Length (L _K)	22"	26 3/4"	31 1/2"	36 1/4"	41"
Minimum Boiler Block Width	18"	18"	18"	18"	18"
Boiler Width	23 1/2"	23 1/2"	23 1/2"	23 1/2"	23 1/2"
Minimum Boiler Height	33 1/2"	33 1/2"	33 1/2"	33 1/2"	33 1/2"
Boiler Height	34 1/2"	34 1/2"	34 1/2"	34 1/2"	34 1/2"
Boiler Feet Spacing	13 1/4"	18"	22 1/2"	27 1/4"	32"
Fire Box Depth (T)	16 3/4"	21 1/2"	36 1/4"	31"	35 3/4"
Fire Box Volume (cu. ft.)	1.35	1.73	2.10	2.48	2.86
Dry Weight (lbs.)	400	500	600	700	800
Approx. Water Content (gal.)	12.9	16.1	19.3	22.5	25.6
Recommended Clearances for Ease of Serviceability					
Side	15"	15"	15"	15"	15"
Rear	20"	20"	20"	20"	20"

Tank Model	Volume	G215/3	G215/4	G215/5	G215/6	G215/7
LT160	42 Gallon	■	■			
LT200	53 Gallon	■	■	■		
LT300	79 Gallon	■	■	■	■	

Approval Numbers
MEA 463-99-E
CRN No# 6248.7C

Mounting hardware to secure G215 Boilers on top of LT Tanks, must be purchased separately.

