

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

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

Permit No: 05-0059	Issue Date: <b>JAN 21 2005</b>	CBL: 390 A008001
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Location of Construction: 100 Hope Ave	Owner Name: Donovan Kevin M &	Owner Address: 69 Caron St	Phone:
Business Name:	Contractor Name: John Scott Plumbing & Heating	Contractor Address: 73 Warren Ave Portland	Phone: 2078072811

Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: R-2
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Past Use: Single family	Proposed Use: Single family Install a Solaia furnace	Permit Fee: \$120.00	Cost of Work: \$11,000.00	CEO District: 5
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Proposed Project Description: Single family Install a Solaia furnace	<b>FIRE DEPT:</b> <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied <i>NA</i>	<b>INSPECTION:</b> Use Group: R3/U Type: Heating INC 2003 Signature: <i>[Signature]</i>
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<b>PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)</b>		
Action:	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Conditions
	<input checked="" type="checkbox"/> Denied	
Signature:	Date:	

Permit Taken By: dmartin	Date Applied For: 01/14/2005	<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..	<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input checked="" 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:	<b>Zoning Appeal</b> <input type="checkbox"/> Variance <input checked="" type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	<b>Historic Preservation</b> <input type="checkbox"/> Not in District or Landmark <input checked="" 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:
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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

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<b>Location of Construction:</b> 100 Hope Ave	<b>Owner Name:</b> Donovan Kevin M &	<b>Owner Address:</b> 69 Caron St	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> John Scott Plumbing & Heating	<b>Contractor Address:</b> 73 Warren Ave Portland	<b>Phone</b> (207) 807-2811
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> HVAC	
<b>Proposed Use:</b> Single family Install a Solaia furnace		<b>Proposed Project Description:</b> Single family Install a Solaia furnace	

**Dept:** Zoning      **Status:** Approved      **Reviewer:** Tammy Munson      **Approval Date:** 01/20/2005  
**Note:**      **Ok to Issue:**

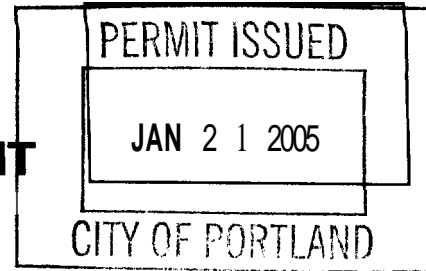
**Dept:** Building      **Status:** Approved with Conditions      **Reviewer:** Tammy Munson      **Approval Date:** 01/20/2005  
**Note:**      **Ok to Issue:**

1) Installation shall comply with 2003 International Mechanical Code and State of Maine Oil and Solid Fuel Board Laws and Rules



FILL IN AND SIGN WITH INK

# APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



Dan

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 390 A8 Use of Building Residential Date 1/7/05  
Name and address of owner of appliance 100 Hope Ave.

Installer's name and address John Scott ITH  
73 Warren Ave Westbrook Telephone 854-9500

### Location of appliance:

- Basement
- Floor
- Attic
- Roof

### Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: SOLAIA

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:

- R Master Plumber # \_\_\_\_\_
- Solid Fuel # MS2000 5135
- Oil # MS2000 5135
- 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 330

Number of Tanks 1

Distance from Tank to Center of Flame 15 feet.

Cost of Work: \$ 11,000

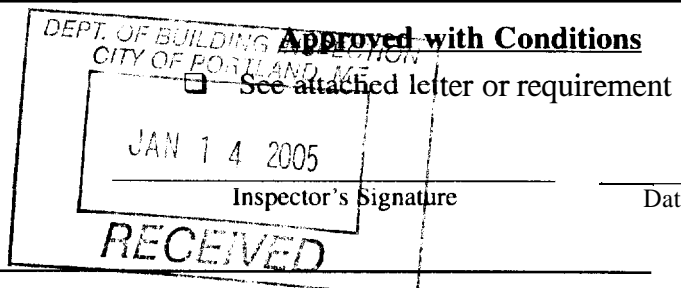
Permit Fee: \$ 120

Approved

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

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

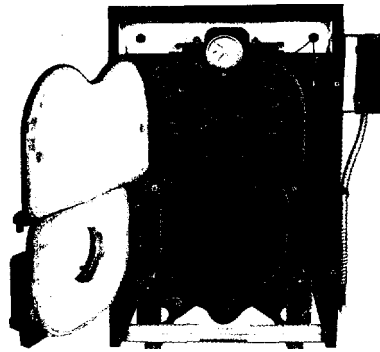
Bldg.: \_\_\_\_\_



Signature of Installer Keith V. [Signature]

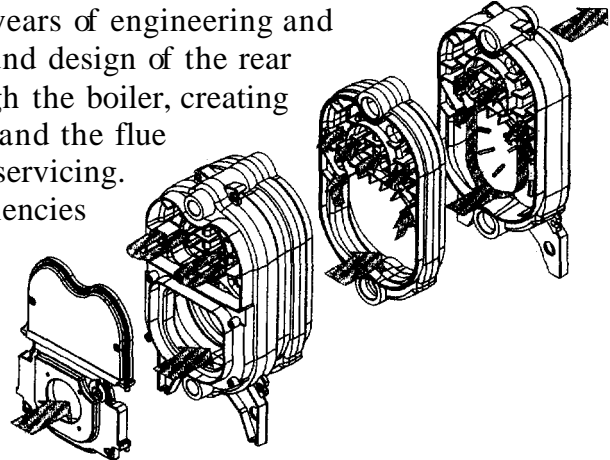
*Serviceability...*

A unique front jacket panel designed for easy removal allows convenient access to a one-piece swing-out door. The door is both easily opened and completely removable from the vessel for internal inspection and overall maintenance. The Solaia Boiler features a Riello oil burner with a quick disconnect for servicing.



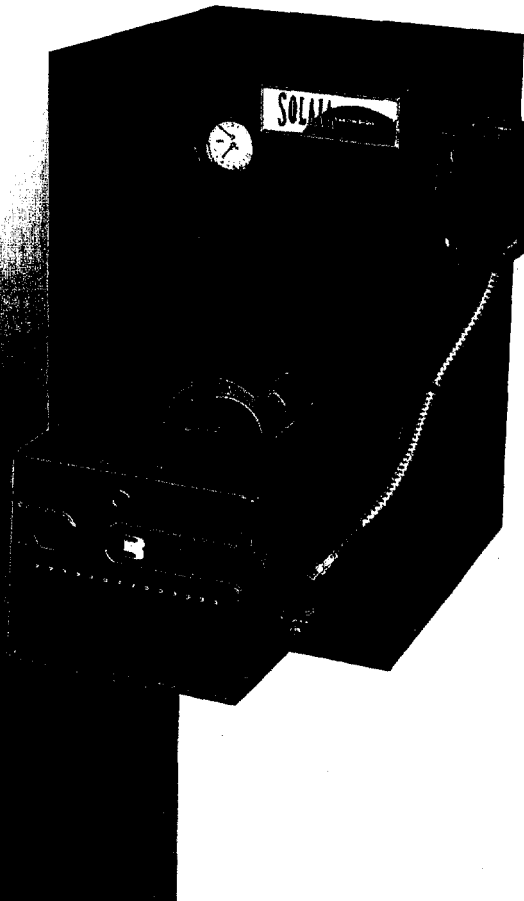
*A blend of technology and efficiency*

The Solaia is a low mass wet-base boiler with steel push nipples. Constructed of GG20 cast iron for greater durability, excellent heat transfer and resistance to corrosion, the Solaia is the result of over 50 years of engineering and manufacturing experience. The unique turnaround design of the rear casting creates optimal flue gas passages through the boiler, creating high efficiency. There are no baffles to remove, and the flue passages are easily accessible for cleaning and servicing. The Solaia Boiler is Energy Star rated with efficiencies from 86.4% to 87% .

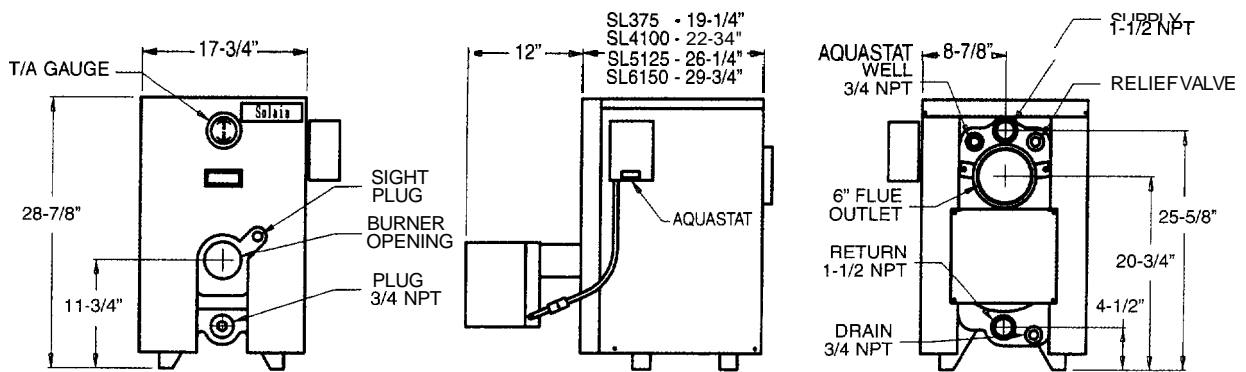


# SOLAIA

- 3 pass wet-base design
- GG20 cast iron
- Low mass
- High efficiency to 87%



# SOLAIA SPECIFICATIONS

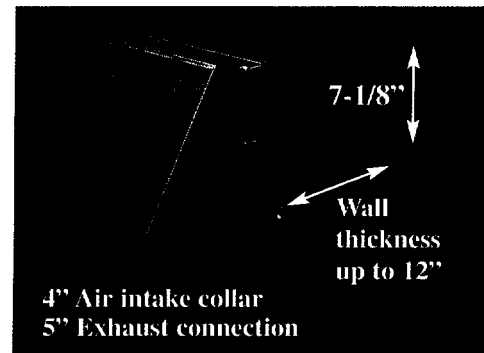
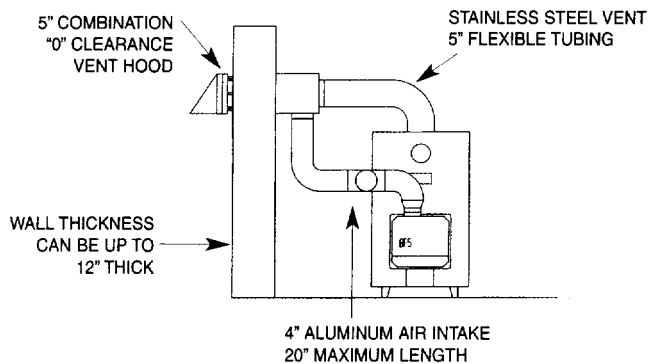


## IBR/DOE RATINGS AND DATA

Boiler Model No.	SL375	SLD375	SL4100	SLD4100	SL5125	SL6150
Nozzle - Riello	.65 - 80B	.65 - 80B	.85 - 80B	.85 - 80B	1.10 - 80B	1.25 - 80B
Input BTU/HR	105,000	105,000	140,000	140,000	175,000	210,000
Net IBR Rating BTU/HR	79,000	79,000	106,000	106,000	133,000	160,000
AFUE Rating	85.5	85.5	86.5	86.5	86.9	86.9
Approx. Shipping Weight	300	300	350	350	390	430

DIMENSIONS (Inches)						
Cabinet Height	28-7/8"	28-7/8"	28-7/8"	28-7/8"	28-7/8"	28-7/8"
Cabinet Length	19-1/4"	19-1/4"	22-3/4"	22-3/4"	26-1/4"	29-3/4"
Return Outlet Height C.L.	4-1/2"	4-1/2"	4-1/2"	4-1/2"	4-1/2"	4-1/2"
Flue Outlet Height C.L.	20-3/4"	20-3/4"	20-3/4"	20-3/4"	20-3/4"	20-3/4"



BOYERTOWN FURNACE COMPANY  
 P.O. Box 100, 156 Holly Road, Boyertown, PA 19512  
 PHONE 610.369.1450 FAX 610.367.6800



Constructed and hydrostatically tested in accordance with ASME Boiler Code, Section IV.

