

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 08-0712	Issue Date: 06/23/2008	CBL: 336 F023001
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Location of Construction: 39 BRAINTREE ST	Owner Name: HOME SWEET HOME APARTME	Owner Address: 49 NORTHERN OAKS 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:

Past Use: Single Family Home	Proposed Use: Single Family Home - install a new Embassy Axia Gas Boiler in basement W/ 2 100 Gallon tanks	Permit Fee: \$60.00	Cost of Work: \$4,000.00	CEO District: 5
Proposed Project Description: install a new Embassy Axia Gas Boiler in basement W/ 2 100 Gallon tanks		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: Type:	
		Signature:	Signature:	
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: Idobson	Date Applied For: 06/16/2008	Zoning Approval		
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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"/> Date:	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 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:
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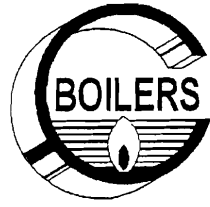
CERTIFICATION

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.

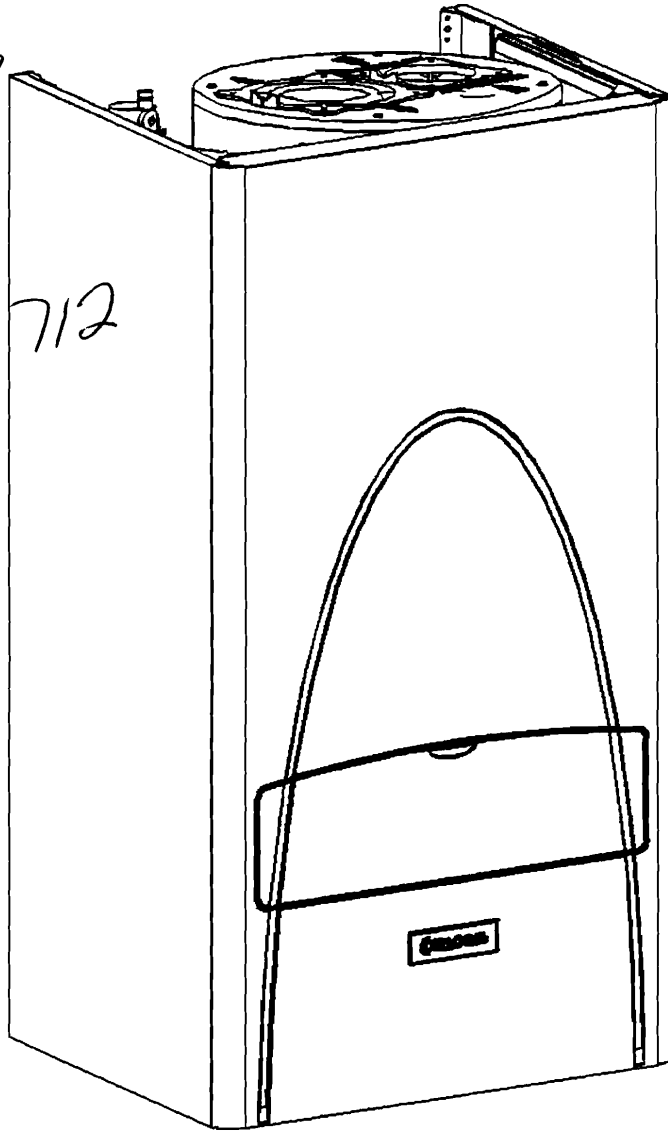
SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

Installation manual for installation, use and maintenance

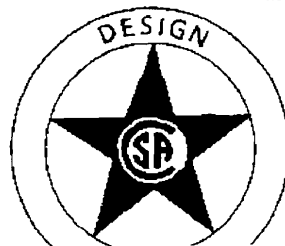


336-F-23
080712



MODELS:

AXIA 20E & AXIA 29E



3.1 - Pre-Installation

Installation must conform to the requirements of the authority having jurisdiction. In the absence of such requirements, installation must conform to:

National Fuel Gas Code ANSI Z223.1/NFPA 54 and or CSA B149.1, Natural Gas and Propane Installation Code.

This appliance is designed for heating water to a temperature below its boiling point at atmospheric pressure.

- It must be hooked up to a heating system and to a sanitary hot water distribution system compatible with the characteristics, performance and power ratings of the water heater itself.
- Before installation it is necessary to thoroughly flush the heating and plumbing systems, in order to remove any residues or impurities which may compromise the correct functioning of the water heater .
- This water heater is not suitable for outside installation unless an outside installation kit is installed with the heater. .
Choose a place that is protected from the atmospheric elements i.e. rain, wind, sun and especially frost, and which complies with the requirements prescribed by the applicable national and/or local regulations.
- Refer to figure 4 for the minimum clearance distances required for installation and subsequent servicing.

3.2 - Instructions for the user

The installer must instruct the user on the correct use of the water heater , and in particular must:

- supply the installation and user manual and all the documentation contained in the packing materials;
- instruct the user concerning the special measures to be taken for the discharge of flue gases, and inform the user that these must not be altered;
- inform the user concerning the

control of the water pressure necessary in the system and the necessary measures for filling and for purging;

- inform the user on how to correctly set the temperatures and room thermostats to conserve energy.

3.3 - Clearances for installation

Figure 4 shows the proper distances that are allowed for the support bracket and wall. (see figure 2)

3.4 - Clearances from combustible material

This appliance may be installed directly onto a wall of combustible material with the following clearance:

Ceiling	8 inches
Front	2 inches
Rear	0 inches
Sides	2 inches
Floor	8 inches

3.5 - Choosing the place of installation



CAUTION!!! The water

heater must be installed on a vertical wall that is able to support its weight.

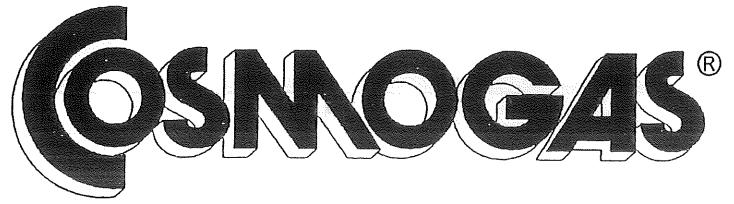
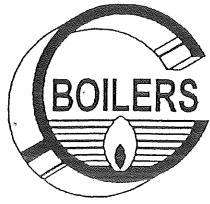
Heater may also be installed in a closet or alcove.

Choose a location centralized to the piping system with consideration to the vent pipe length. You will need to place the space/water heater so that the controls, drain, inlet/outlet, and gas valve are easily accessed. Care must be exercised when choosing the location of this appliance, where leakage from the safety relief valves, leakage from related piping, or connections, will not result in damage to the surrounding areas,

or to the lower floor of the building. Nothing should be installed between the safety relief valves and the heater. The discharge from the pressure relief valve must be connected to a suitable place for disposal. No reducing, coupling or other restrictions shall be installed in the discharge line. The discharge line should allow complete drainage of both valve and line.

Choose a suitable room and position for installation, taking the following factors into account:

- connection of the flue gas discharge/air intake pipes;
- connection of the gas supply piping;
- connection of the water supply;
- connection of the central heating system;
- connection of the sanitary hot water system;
- electrical connections;
- possible connection for draining the condensation produced by the flue gas discharge system;
- possible discharge connection for the safety relief valve.



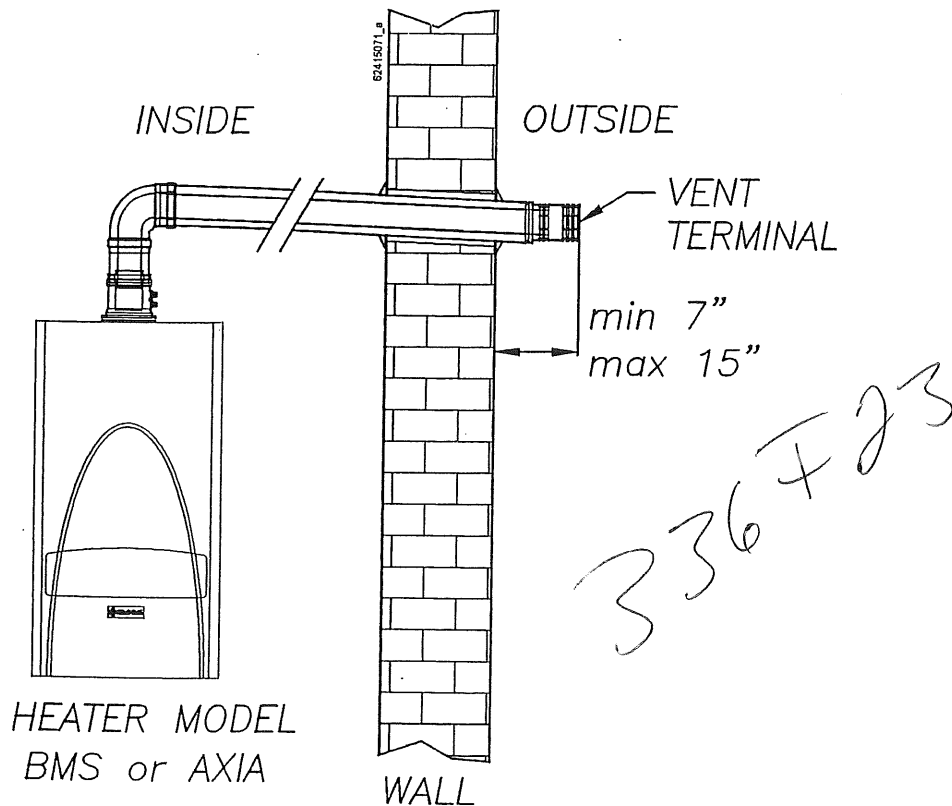
Clearances for vent terminals

Please, respect these rules during installation of the vent terminal.

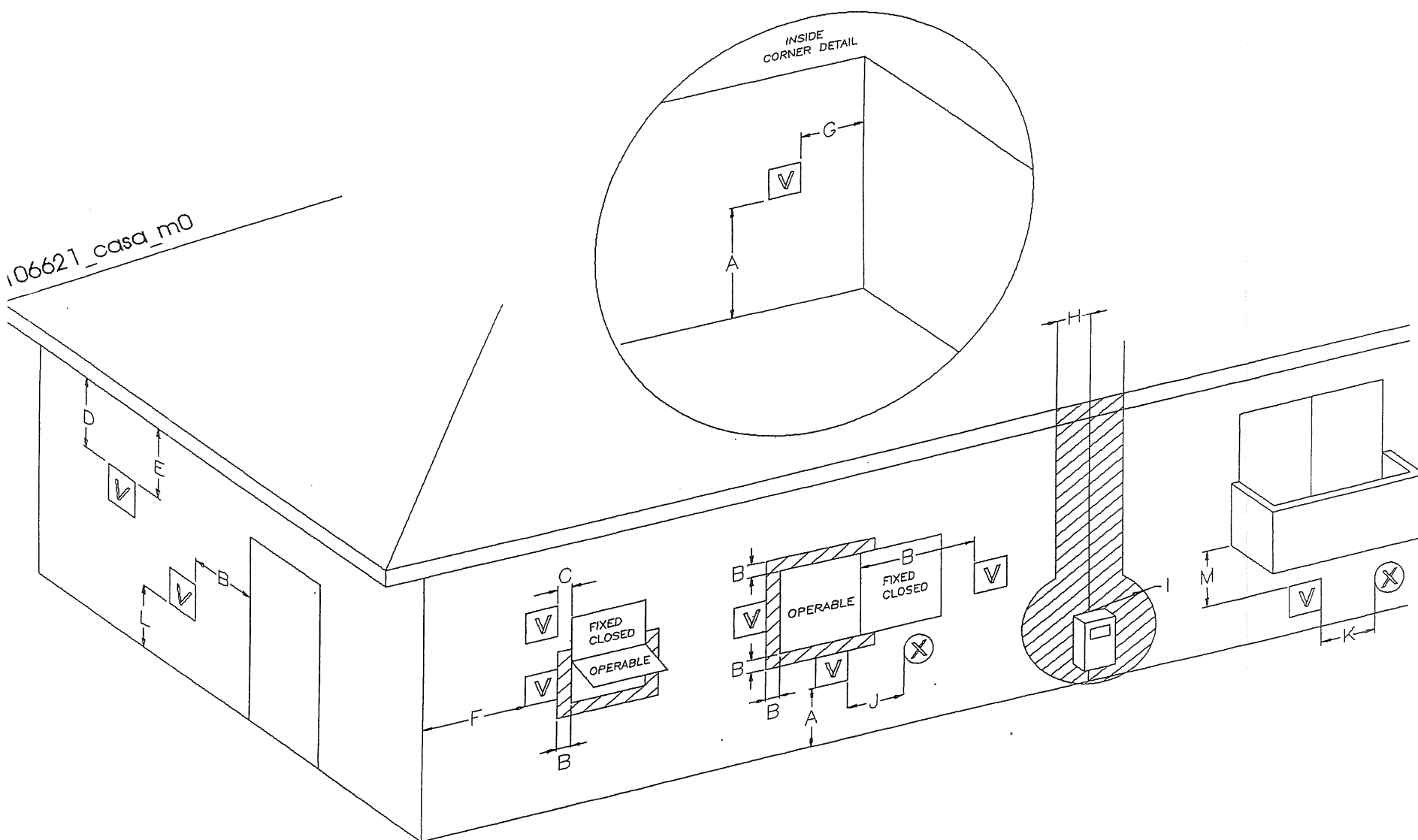


CAUTION!!!

Installation and service must be performed by a qualified installer, service agency or the gas supplier.



manufactured by:
COSMOGAS SRL
Via L. da Vinci 16, 47014
Meldola (FC)
Italy



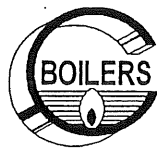
V VENT TERMINAL
 X AIR SUPPLY INLET
 AREA WHERE TERMINAL IS NOT PERMITTED

	Canadian Installation ¹	US Installation ²
Clearance above grade, veranda, porch, deck, or balcony	12 Inches (30 cm)	12 Inches (30 cm)
Clearance to window or door that may be opened	6 Inches (15 cm) for appliance ≤ 10,000 Btuh (3 kW), 12 inches (30 cm) for appliances > 10,000 Btuh (3 kW) and ≤ 100,00 Btuh (30 kW), 36 Inches (91 cm) for appliances > 100,00 Btuh (30 kW)	6 Inches (15 cm) for appliance ≤ 10,000 Btuh (3 kW), 9 Inches (23 cm) for appliances > 10,000 Btuh (3 kW) and ≤ 50,00 Btuh (15 kW), 12 Inches (30 cm) for appliances > 50,000 Btuh (15 kW)
Clearance to permanently closed window	*	*
Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61 cm) from the center line of the terminal	*	*
Clearance to unventilated soffit	*	*
Clearance to outside corner	*	*
Clearance to inside corner	*	*
Clearance to each side of center line extended above meter/regulator assembly	3 feet (91 cm) within a height 15 feet above the meter/regulator assembly	*
Clearance to service regulator vent outlet	3 feet (1.83 m)	*

	Canadian Installation ¹	US Installation ²
J = Clearance to non mechanical air supply inlet to building or the combustion air inlet to any other appliance	6 Inches (15 cm) for appliances ≤ 10,000 Btuh (3 kW), 12 Inches (30 cm) for appliances > 10,000 Btuh (3 kW) and ≤ 100,00 Btuh (30 kW), 36 Inches (91 cm) for appliances > 100,00 Btuh (30 kW)	6 Inches (15 cm) for appliances ≤ 10,000 Btuh (3 kW), 9 Inches (23 cm) for appliances > 10,000 Btuh (3 kW) and ≤ 50,000 Btuh (15 kW), 12 Inches (30 cm) for appliances > 50,000 Btuh (15 kW)
K = Clearance to a mechanical air supply inlet	6 feet (1.83 m)	3 feet (91 cm) above if within 10 feet (3 m) horizontally
L = Clearance above paved sidewalk or paved driveway located on public property	7 feet (2.13 m) †	*
M = Clearance under veranda, porch, deck, or balcony	12 inches (30 cm) ‡	*

¹ In accordance with the current CAN/CGA-B149 *Installation Codes*
² In accordance with the current ANSI Z223.1 / NFPA 54 *National Fuel Gas Code*
 † A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings
 ‡ Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.
 * For clearances not specified in ANSI Z223.1 / NFPA 54 or CAN/CGA-B149, one of the following shall be indicated:
 a) A minimum clearance value determined by testing in accordance with section 2.20, or
 b) A reference to the following footnote:
 "Clearance in accordance with local installation codes and the requirements of the gas supplier."

MANUFACTURED BY:



COSMOGAS[®]

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