

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that CLOUTIER, JAMES F

Located At 13 FLEETWOOD ST.

Job ID: 2011-07-1733-HVAC

CBL: 185 - - C - 016 - 001 - - - -

has permission to

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

07/20/2011

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.**

1. Close-In: (Electrical, Plumbing, Framing)
2. Final Inspection

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

Strengthening a Remarkable City. Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Penny St. Louis

Job ID: 2011-07-1733-HVAC

Located At: 13 FLEETWOOD

CBL: 185 - - C - 016 - 001 - - - -

Conditions of Approval:

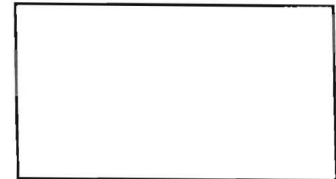
Building

1. The installation must comply with UL, the Manufacturers' Listing, and State of Maine Gas Regulations.
2. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm HVAC systems, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
3. Maintain proper setback(s) from property lines/buildings and proper clearances from vertical openings when direct venting
4. A photoelectric Carbon Monoxide (CO) detector shall be installed in each area within or giving access to bedrooms. That detection must be powered by the electrical service (plug-in or hardwired) in the building and battery.



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 Portland Use of Building Residence Date 7/18/11
 Name and address of owner of appliance 13 Fleetwood 185-C-16-17
Portland Me.
 Installer's name and address Dominic DiBiase, 52 Constitution Drive
Westbrook, Me. 04092 Telephone 797 5408

Location of appliance:
 Basement Floor
 Attic Roof

Type of Fuel:
 Gas Oil Solid

Appliance Name: Embassy Axia 29E
 U.L. Approved Yes No
CSA

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____
JUL 18 2011

The Type of License of Installer: Dept. of Building Inspections
City of Portland Maine

Master Plumber # _____
 Solid Fuel # _____
 Oil # _____
 Gas # PNT1250
 Other _____

Type of Chimney: Double wall Direct vent
 Masonry Lined
 Factory built _____
R-5

Metal
 Factory Built U.L. Listing # _____

Direct Vent
 Type _____ UL# CSA
certified
ISO 9001

Type of Fuel Tank
 Oil
 Gas

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 10,000

Permit Fee: \$ _____

7/19/11

Approved

Approved with Conditions

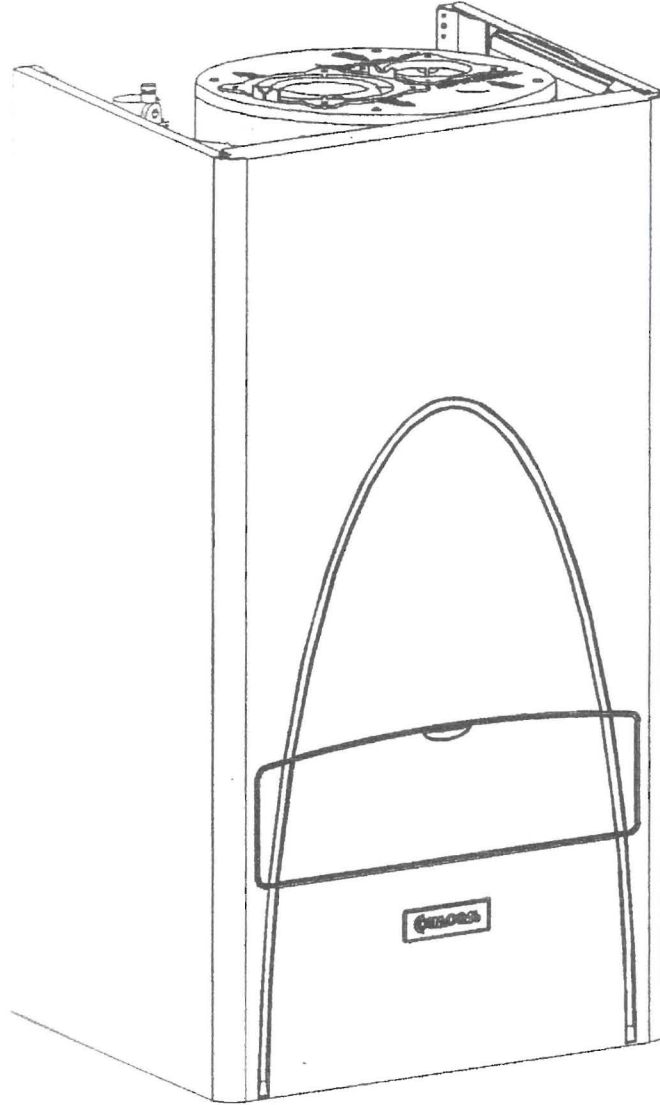
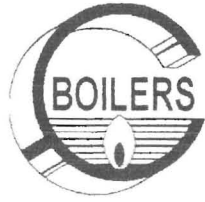
Fire: _____
 Ele.: _____
 Bldg.: _____

See attached letter or requirement

Inspector's Signature _____ Date Approved _____

Signature of Installer Dominic DiBiase

Instruction manual for installation, use and maintenance



MODELS:

AXIA 20E & AXIA 29E



62403278 - R04 aug. 30-2002

FOR TECHNICAL SUPPORT CALL:



Embassy Industries, Inc.
300 Smith Street
Farmingdale, NY 11735
PH - 631-694-1800
Fax - 631-694-1832
www.embassyind.com
sales@embassyind.com

MANUFACTURED BY:



COSMOGAS s.r.l.
Via L. da Vinci 16 - 47014
MELDOLA (FC) ITALY
info@cosmogas.com
www.cosmogas.com



ISO 9001
Certified
Quality System

3.23 - Venting systems

This heater can be fitted with either a concentric or split type venting system. The approved types of flue gas discharge configurations for this heater are shown in figure 9

Particular attention must be taken when installing the vent pipes that go through the wall to the outside. It must always be possible to carry out routine maintenance operations of the flue. The vent pipe must be installed in such a way that it can be removed, if needed, in the future. Hence, a suitable sheath should be prepared in which to insert the vent pipe. Both venting systems are suitable for venting through a wall 1" (25 mm) to 24" (609 mm) thick.

You must place the terminal in an open area, and follow the following guidelines:

- Make certain that exhaust gas does not re-circulate back into the intake pipe.
- To prevent anyone from walking into the exhaust vent, maintain a 7 ft (2.13 m) clearance from ground level in walkways, patio areas, alleys, or otherwise public areas.
- Maintain a minimum 3 ft (0.9 m) clearance from any window or doorway;
- Never install a heat saver or similar product to capture waste heat from exhaust;
- Follow local gas codes in your region or refer to National Fuel Gas Code, or Can B149.1 INSTALLATION CODES.
- Maintain at least 4ft (1.2 m) clearance to electric, gas meters and exhaust fans.
- Always place screens in openings (in intake and exhaust) to prevent foreign matter from entering the heater.
- The vent terminals, (concentric, split type exhaust), must be a minimum of 12" (0.3 m) above ground level.
- If split type vent will be venting into a chimney, make certain that no other appliances are vented into it. This power-vented heater must not share a chimney. Vent exhaust terminal should be inserted into, but not beyond, inner wall of chimney.
- Do not vent into transient pipe. **Warranty will be void.**
- Do not place vent terminal where flue products can cause corrosion.
- Due to the high efficiency of the heater, condensation may form in the discharge piping as a result of the cooling of the flue gases. It is therefore necessary to take every precaution to prevent this condensation from going inside the heater, by collecting it and conveying it outside the building. Follow the instructions for conveying the condensation provided in chapter 3.23.10.

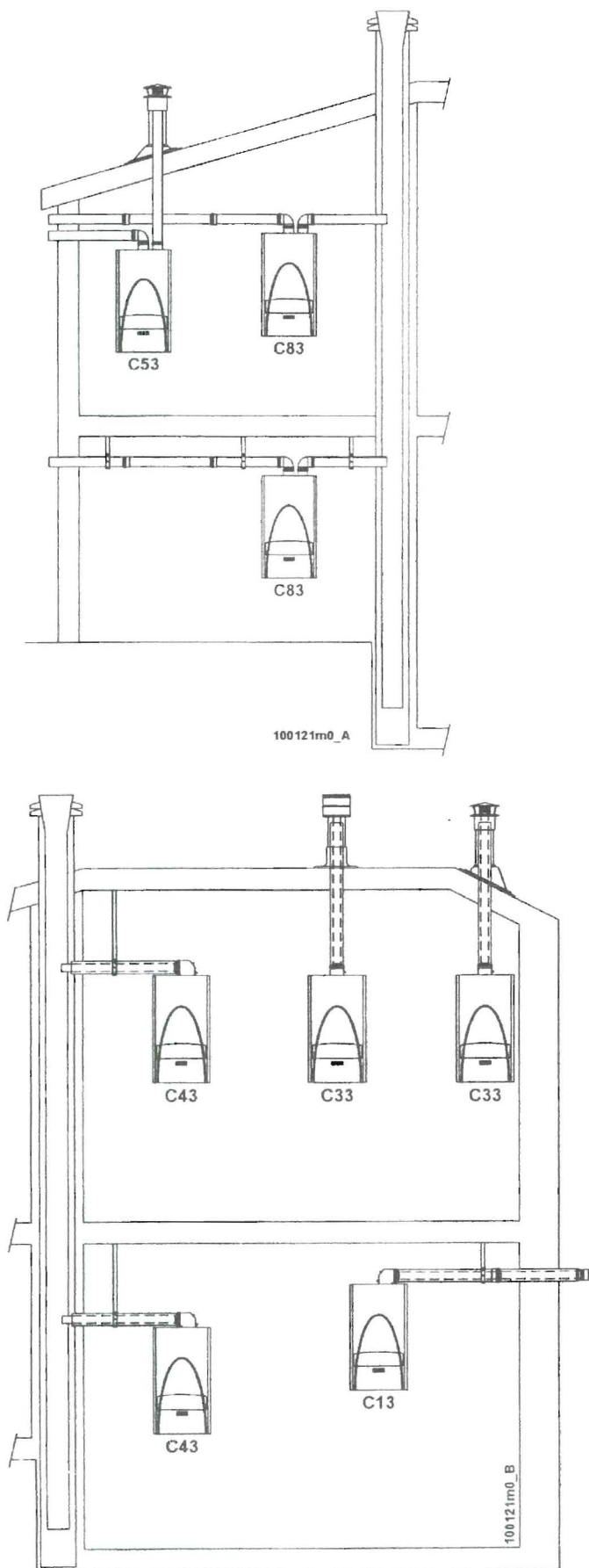


Figure 9 - Approved types of flue gas discharge systems

of the flue discharge/air intake fittings

The connection of the flue pipes to the heater can be rotated through 360°, in increments of 90°. This makes it possible to choose between 4 different relative positions (see figure 10) of the discharge and intake pipes, allowing for great versatility of installation.

- remove the fixing screws "A" from the top cover "B".
- rotate the top cover to the desired position.
- reinsert the fixing screws "A" and lock them down without excessive force.

Note: "C" indicates the front of the heater in the top views. In any position of rotation of the cover, the intake and discharge fittings can be rotated on themselves, allowing for optimal positioning of the connections for the combustion analysis and/or for the condensation discharge.

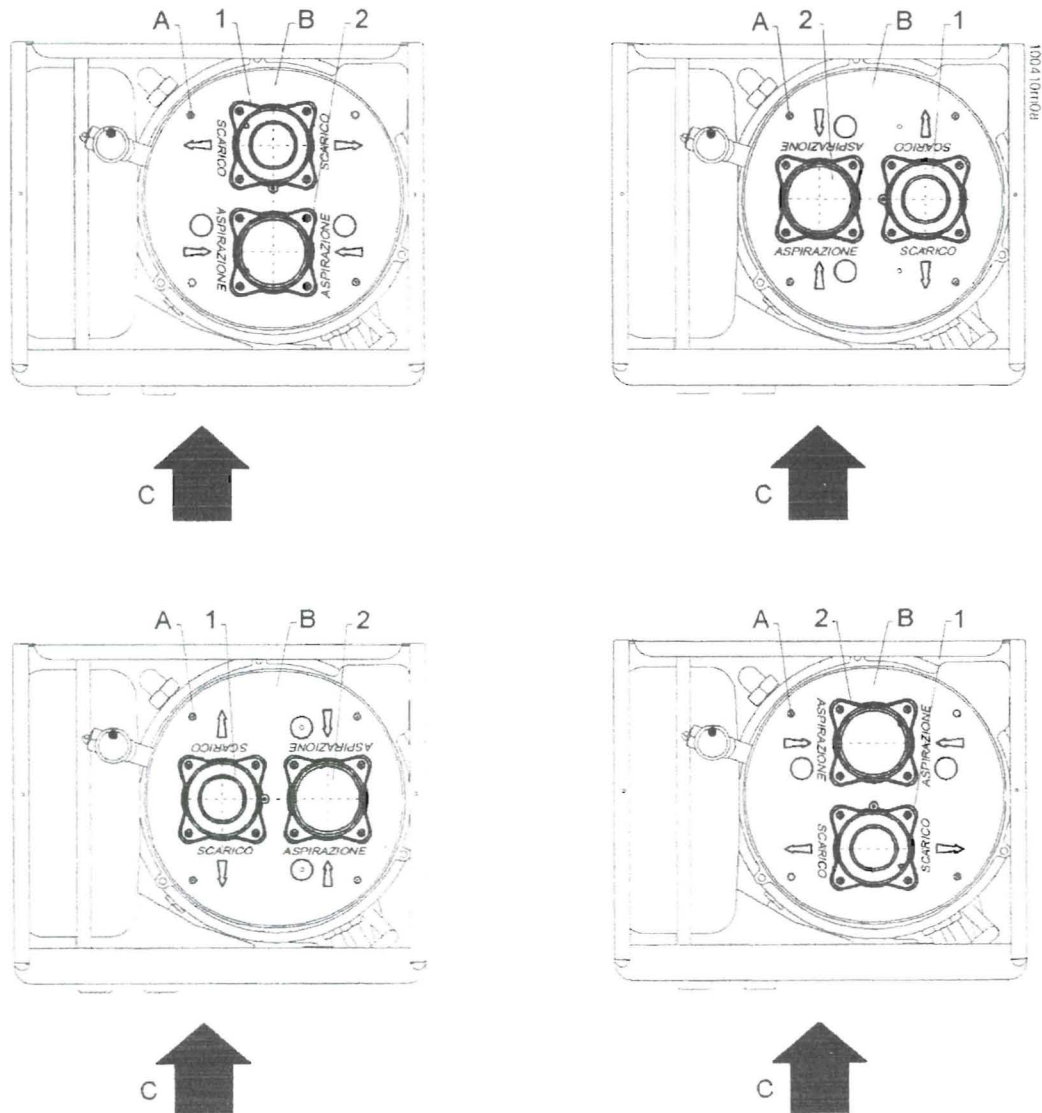


Figure 10 - Possibility of rotating the discharge and intake

3.23.6 - 60/100 coaxial system

The heater does not come with fittings for the flue gas discharge / air intake connection. To connect the heater to a coaxial 60/100 system it is necessary to order the special kit for vertical flue gas discharge and install it as shown in figure 17 or the kit for horizontal flue gas discharge and install it as shown in the figure 18

To install the vent connection on top of the heater proceed as follows:

refer to figure 17 if you have a vertical flue gas discharge, or refer to figure 18 if you have a horizontal flue gas discharge;

- close the ventilation opening "7" with the seal "6", the flange "5" and the bolts "4";
- insert the "3V" (vertical discharge) or the "3O" (horizontal discharge) fitting in the opening "8";
- in the case of the "3O" fitting, it can be rotated in every direction in steps of 90°.

Fix the "3V" or "3O" fitting to the opening "8" using the brackets "2" and the bolts "1".

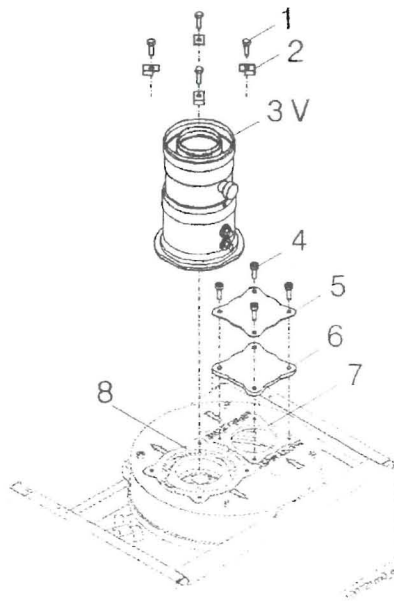


Figure 17 - Installation of the vertical coaxial system

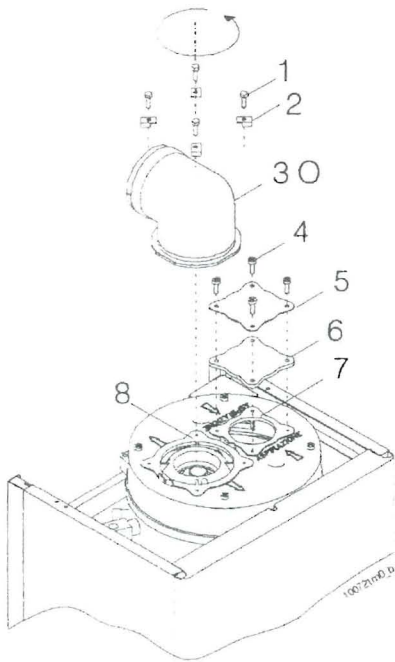


Figure 18 - Installation of the horizontal coaxial system

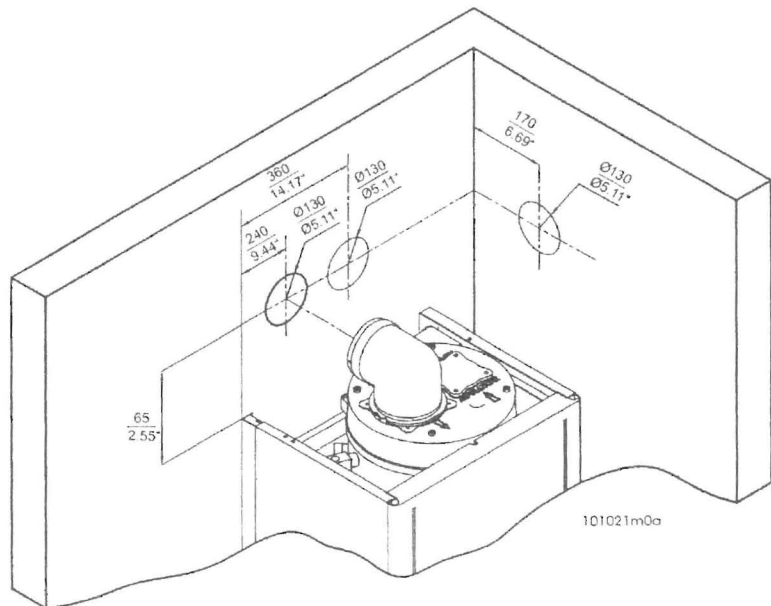
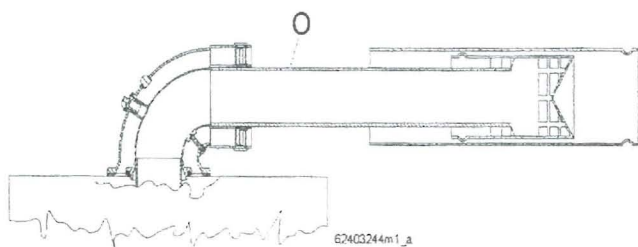


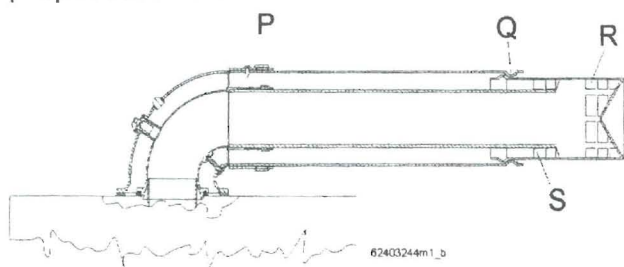
Figure 19 - Positioning of the holes for horizontal coaxial flue gas discharge

3 - INSTALLATION

FIRST, insert the vent inner pipe into the vent elbow and tighten using self-tapping screws "N"



SECOND, fit the outer pipe and secure it with proper screws "P"



- N = Screws provided
- O = Inner pipe
- P = Screws provided
- Q = This position shall be respected
- R = Discharge grid
- S = Intake grid

Figure 20 - Correct installation of the coaxial pipe

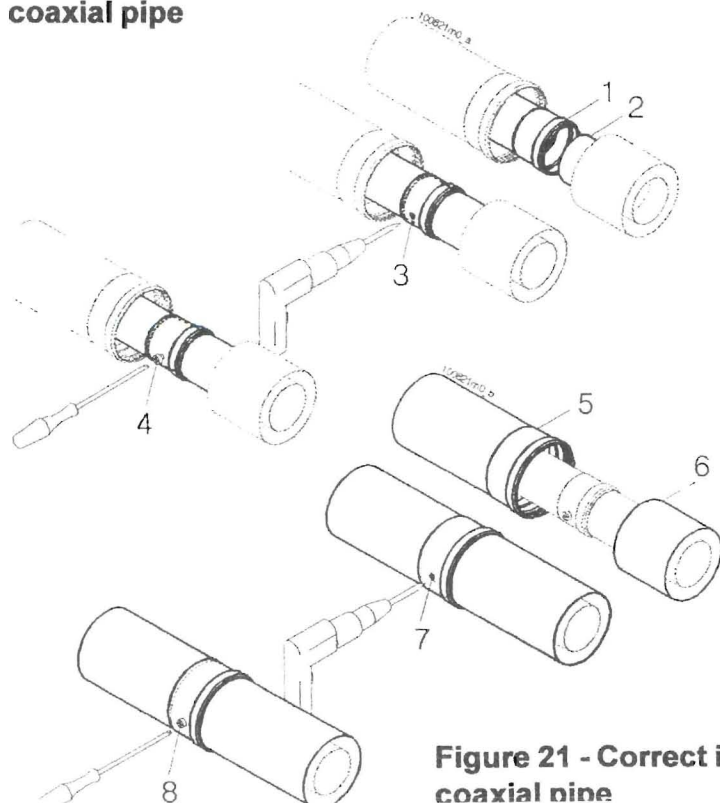


Figure 21 - Correct installation of the coaxial pipe



CAUTION!!! Be careful when

installing coaxial venting. Proper assembly and installation of venting elbows and tubing must include the use of self-tapping screws to permanently secure in place the internal and external discharge tube (see figure 20 item P and N). Self-tapping screws are used to insure that the discharge vent tube remains in place and not allow discharge gases to re-enter the heater. Failure to secure the internal discharge tube may result in the heater backfiring and causing permanent damage to the heat exchanger. Heaters which have been damaged for this reason are not covered in our limited warranty. The stainless steel (End terminal) wind guard must fit properly and inter-lock into slip joint of intake pipe (see Figure 20 item Q).

It is imperative that the internal discharge pipe first be secured in place with self-tapping screws (see figure 20 item N) and before attaching and securing the external vent pipe (see figure 20 item P). Also, ensure that the two grids (R and S on the Figure 20) of the end terminal come completely out of the outer pipe. If the intake grid (see figure 20 item S) is hidden the heater will not receive enough air for combustion and would fail to ignite.

- Take particular care with the installation of the piping sections that pass through the wall toward the outside; these must always allow for normal maintenance actions, therefore install the pipes inside a liner to enable them to be pulled out
- Horizontal stretches should always have an inclination of at least 2% in the direction of condensation evacuation devices or toward the point of discharge into the atmosphere.
- The flue gas discharge / air intake system can be extended up to the maximum distance indicated in chapter 6 at the end of the manual. Every 90° bend has an equivalent loss to 3ft (1 m) of straight piping. Every 45° bend has an equivalent loss to 1.5ft (0.5 m) of straight piping.



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

57 ✓ 18

7.18 20 11

Received from Libby

Location of Work 13 FL + wood

Cost of Construction \$ _____ Building Fee: _____

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: _____

Building (IL) _____ Plumbing (I5) _____ Electrical (I2) _____ Site Plan (U2) _____

Other HVAC

CBL: 185-C-17

Check #: 1632

Total Collected \$ 120

**No work is to be started until permit issued.
Please keep original receipt for your records.**

Taken by: [Signature]

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy