

City of Portland, Maine - Building or Use Permit Application

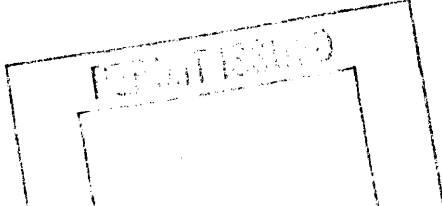
389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

| | | |
|-----------------------|-------------|---------------------|
| Permit No: 08-0445 | Issue Date: | CBL: 347 A008001 |
|-----------------------|-------------|---------------------|

| | | | |
|--|---|---|---------------------|
| Location of Construction: 140 PENNELL AVE | Owner Name: CGB PROPERTIES LLC | Owner Address: 84 COUNTRY LN | Phone: |
| Business Name: | Contractor Name: Jerrys Plumbing & Heating | Contractor Address: 22 Ridgeview Drive Biddeford | Phone 2072822319 |
| Lessee/Buyer's Name | Phone: | Permit Type: HVAC | Zone: R-3 |

| | | | | |
|--|---|--|---|--------------------|
| Past Use: Single Family Home | Proposed Use: Single Family Home - Install oil burning Heating System with 275 gal. Tank | Permit Fee: \$90.00 | Cost of Work: \$7,000.00 | CEO District: 5 |
| Proposed Project Description: Install oil burning Heating System with 275 gal. Tank | | FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>MA</i> | INSPECTION: Use Group: <i>U</i> Type: <i>IRU 2003</i> | |
| | | 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: lmd | Date Applied For: 05/01/2008 | Zoning Approval | | |
|-------------------------|---------------------------------|------------------------|--|--|

| | | | |
|---|---|---|--|
| <p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p> | <p>Special Zone or Reviews</p> <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>5/1/08</i> | <p>Zoning Appeal</p> <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: _____ | <p>Historic Preservation</p> <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: _____ |
| |  | | |

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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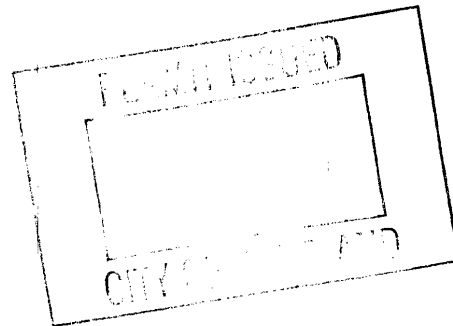
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| Location of Construction: 140 PENNELL AVE | Owner Name: CGB PROPERTIES LLC | Owner Address: 84 COUNTRY LN | Phone: |
| Business Name: | Contractor Name: Jerrys Plumbing & Heating | Contractor Address: 22 Ridgeview Drive Biddeford | Phone: (207) 282-2319 |
| Lessee/Buyer's Name | Phone: | Permit Type: HVAC | |

| | |
|--|---|
| Proposed Use: Single Family Home - Install oil burning Heating System with 275 gal. Tank | Proposed Project Description: Install oil burning Heating System with 275 gal. Tank |
|--|---|

Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 05/01/2008
Note: **Ok to Issue:**

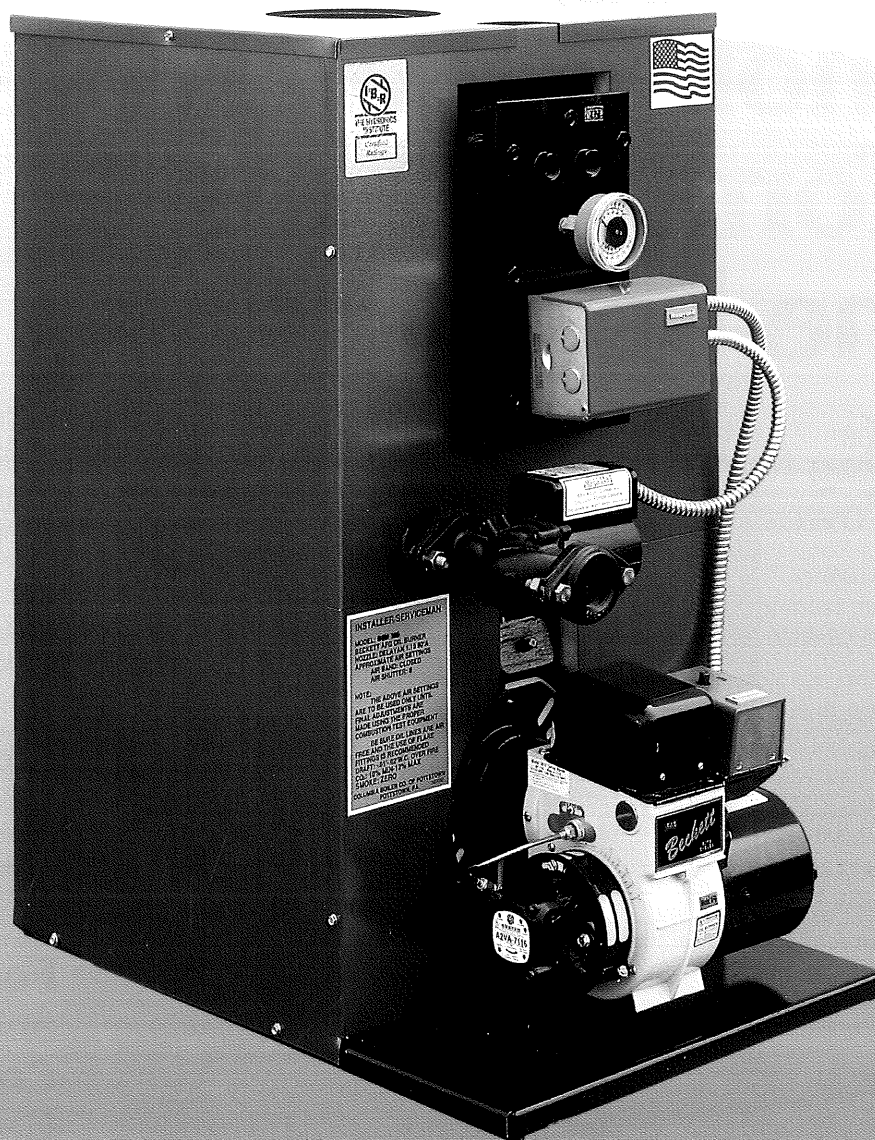
Dept: Building **Status:** Approved with Conditions **Reviewer:** Tammy Munson **Approval Date:** 05/08/2008
Note: **Ok to Issue:**

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



COLUMBIA[®]

Emerald Series



**Dependable, Economical, Oil-Fired
Residential Heating Boilers**

Columbia's Emerald Series . . . the Value Choice for Home Heating

Economical, trouble-free performance for home heating

Outstanding features for home owners

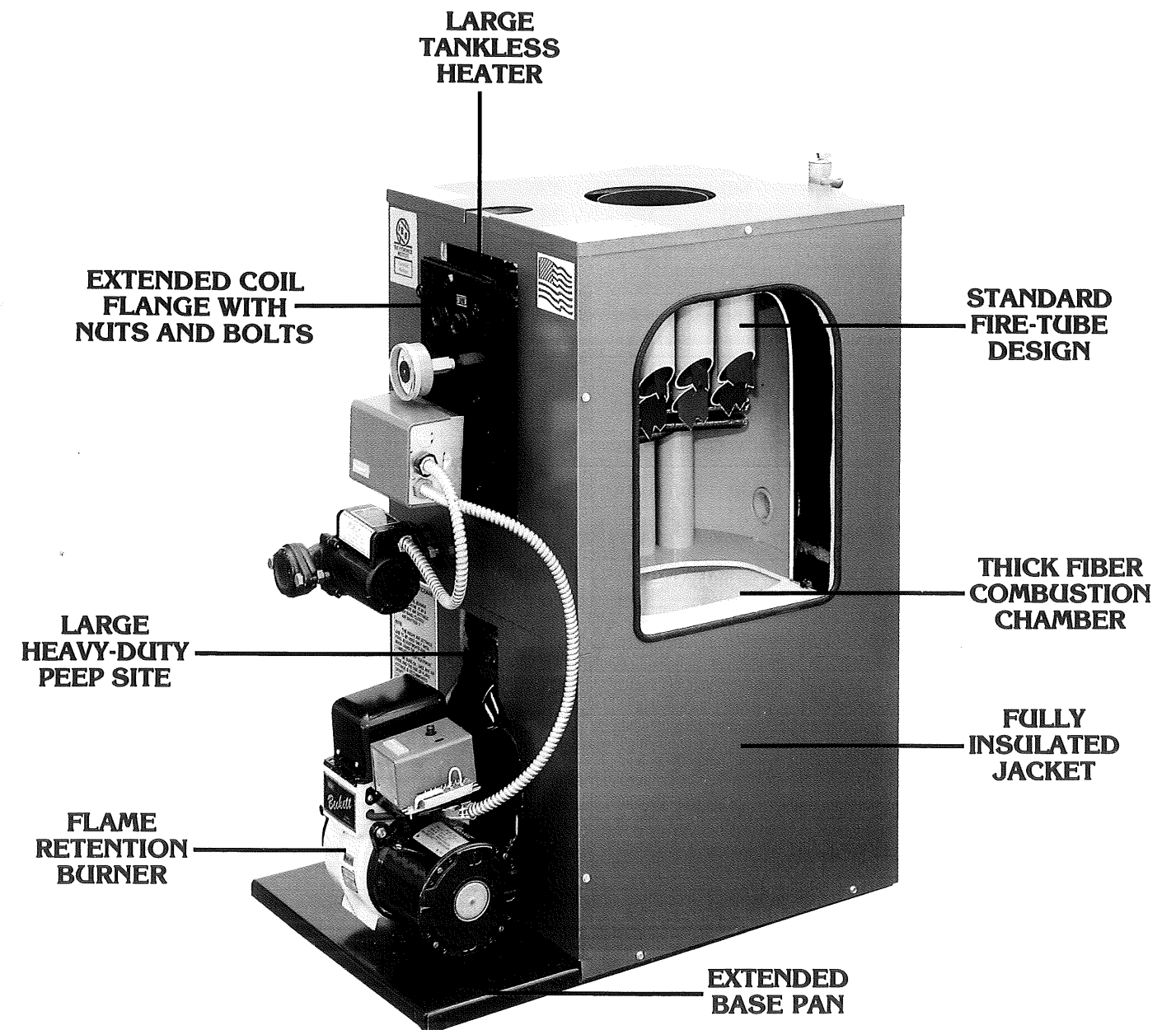
- Up to 82% combustion efficiency . . . more comfort for your home, more performance for your fuel-oil dollars.
- A reasonable price to fit most home owners' budgets.
- A proven product from a manufacturer you can rely on. Columbia has been manufacturing boilers for more than fifty years, and offers the most complete line in the industry.
- Solid construction and top-quality components make the Emerald Series an excellent choice for long, trouble-free service life.
- Plenty of hot water to meet your needs, with a 5 GPM tankless coil standard. (3 GPM coil on EM-85).
- Buy with confidence . . . your purchase is backed by Columbia's 20-year warranty.

Ease of installation and servicing for dealers

- Columbia offers 4 Emerald Series units to meet a broad range of requirements.
- Interchangeable trim can use any burner, pump or control desired; all trim is mounted on the front of the unit for easy access.
- Threaded and labeled in-out coil connections simplify installation.
- The extended coil flange with nuts and bolts means easier coil service.
- Split controls — L8124C with boiler and R4184D with burner are factors in economical serviceability.
- Solid construction features like extra heavy coil gaskets and exceptionally thick 3/4" fiber combustion chamber for maximum boiler life.
- Emerald Series units are easy to handle, with the inverted base pan forming a skid.

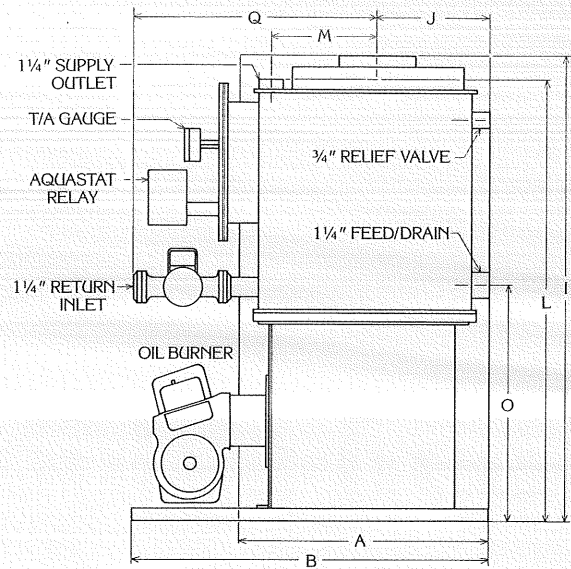
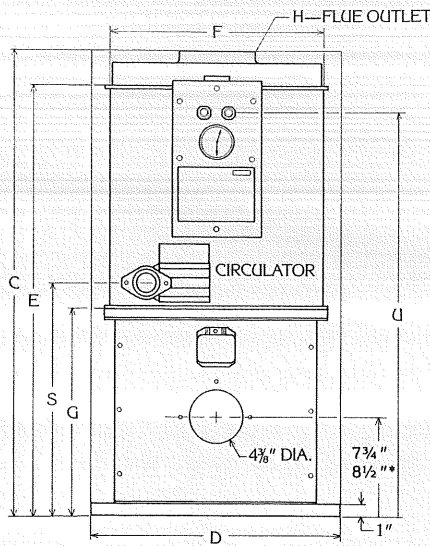
- The package is designed for easier installation; combined with the skid, it allows setting of boiler into place before unboxing.
- The large heavy-duty peep site allows unobstructed view of the flame pattern.
- The Emerald Series units are easy to clean . . . jacket top and smoke hood can be removed to expose fire tubes for brushing.
- With a minimum chimney height requirement of just 15', units can be used for a variety of applications.

For Home Owners and Dealers . . . Columbia's Emerald Series Delivers Satisfaction



EMERALD SERIES

PACKAGED, HYDRONIC HEATING BOILERS



IBR/DOE RATINGS AND DATA

| Boiler Model No. | EM-85 | EM-100 | EM-110 | EM-125 | EM-135 | EM-150 | EM-165 | EM-175 | EM-200 |
|-------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| Firing Rate — #2 Fuel | .85 | 1.00 | 1.10 | 1.25 | 1.35 | 1.50 | 1.65 | 1.75 | 2.00 |
| Input — MBTU/Hr. | 119 | 140 | 154 | 175 | 189 | 210 | 231 | 245 | 280 |
| DOE Heating Capacity MBTU/Hr. | 97 | 113 | 125 | 141 | 157 | 176 | 191 | 205 | 231 |
| Net IBR Rating MBTU/Hr. | 84 | 98 | 109 | 123 | 136 | 153 | 166 | 178 | 201 |
| AFUE Ratings | 80.6 | 80.1 | 80.6 | 80.3 | 82.5 | 82.5 | 81.3 | 82.6 | 81.5 |
| GPM Tankless Coil | 3 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| No. Fire Tubes | 8 | 10 | 12 | 14 | 8 | 10 | 10 | 14 | 14 |
| Water Capacity (Gallons) | 14 | 13.5 | 13 | 12.5 | 22 | 20 | 20 | 16 | 16 |
| Approx. Shipping Weight lbs. | 285 | 290 | 295 | 300 | 355 | 370 | 370 | 390 | 390 |

DIMENSIONS (INCHES)

| | | | | | | | | | | | |
|---------------|--------|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Casing | A | Length | 20" | 20" | 20" | 20" | 21" | 21" | 21" | 21" | 21" |
| | B | Length (over all) | 28" | 28" | 28" | 28" | 29-3/4" | 29-3/4" | 29-3/4" | 29-3/4" | 29-3/4" |
| | C | Height | 36-1/4" | 36-1/4" | 36-1/4" | 36-1/4" | 45" | 45" | 45" | 45" | 45" |
| | D | Width | 19-1/2" | 19-1/2" | 19-1/2" | 19-1/2" | 21" | 21" | 21" | 21" | 21" |
| Boiler | E | Height | 33-3/8" | 33-3/8" | 33-3/8" | 33-3/8" | 42-3/8" | 42-3/8" | 42-3/8" | 42-3/8" | 42-3/8" |
| | F | Diameter | 16-3/4" | 16-3/4" | 16-3/4" | 16-3/4" | 18-3/4" | 18-3/4" | 18-3/4" | 18-3/4" | 18-3/4" |
| | G | Base Hgt. | 16" | 16" | 16" | 16" | 19-1/2" | 19-1/2" | 19-1/2" | 19-1/2" | 19-1/2" |
| Flue Outlet | H | Size | 6" | 6" | 6" | 6" | 6" | 8" | 8" | 8" | 8" |
| | I | Height | 36-1/2" | 36-1/2" | 36-1/2" | 36-1/2" | 46" | 46" | 46" | 46" | 46" |
| | J | C.L. to Rear | 9-1/2" | 9-1/2" | 9-1/2" | 9-1/2" | 10-1/2" | 10-1/2" | 10-1/2" | 10-1/2" | 10-1/2" |
| Supply Outlet | L | Size | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" |
| | M | Height | 34-1/4" | 34-1/4" | 34-1/4" | 34-1/4" | 44" | 44" | 44" | 44" | 44" |
| | N | C.L. to Outlet | 8-1/2" | 8-1/2" | 8-1/2" | 8-1/2" | 8-3/8" | 8-3/8" | 8-3/8" | 8-3/8" | 8-3/8" |
| Feed/ Drain | O | Size | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" |
| | P | Height | 18-1/4" | 18-1/4" | 18-1/4" | 18-1/4" | 21-3/4" | 21-3/4" | 21-3/4" | 21-3/4" | 21-3/4" |
| Return Inlet | Q | Size | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" | 1-1/4" |
| | R | C.L. to Inlet | 19-1/2" | 19-1/2" | 19-1/2" | 19-1/2" | 20" | 20" | 20" | 20" | 20" |
| Coil Conn. | S | Height | 18" | 18" | 18" | 18" | 21-1/2" | 21-1/2" | 21-1/2" | 21-1/2" | 21-1/2" |
| | T | Nominal Size | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" |
| U | Height | 31-1/4" | 31-1/4" | 31-1/4" | 31-1/4" | 41" | 41" | 41" | 41" | 41" | |



America's most trusted name in commercial and residential boilers.

COLUMBIA BOILER CO. OF POTTSTOWN

5/97 - WR - 10M Box 1070 ■ Pottstown, PA 19464 ■ Phone (610) 323-2700 ■ Fax (610) 323-7292