

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

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

Permit No: 08-0232	Issue Date:	CBL: 111 A016002
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Location of Construction: 449 FOREST AVE	Owner Name: FOREST AVENUE PLAZA LLC	Owner Address: 715 BOYLSTON ST	Phone:
Business Name:	Contractor Name: Grover Contracting	Contractor Address: 51 Burnham Drive Naples	Phone: 2075777282
Lender/Buyer's Name	Phone:	Permit Type: HVAC	Zone: B26

Past Use: Commercial - Laundry Mat  Proposed Use: Commercial - Laundry Mat - new Columbia CT - 10 boiler	Permit Fee: \$190.00  Cost of Work: \$16,550.00  CEO District: I	FURE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied  INSPECTION: Use Group: <i>B</i> Type: <i>HVAC</i> <i>DMC-2003</i> Signature: <i>[Signature]</i> Date: <i>3/19/08</i>
Proposed Project Description: Install Columbia CT-10 Boiler.		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: <i>lmd</i>	Date Applied For: 03/14/2008
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Zoning Approval		
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 Map Maj <input type="checkbox"/> Mod <input type="checkbox"/> IM <input type="checkbox"/> Date: <i>3/17/08</i> <i>ABM</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Minor Easements <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved 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 <i>ABM</i>

- 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.

*1430 10 2008*

**SCANNED**

*Scanned*

**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 \_\_\_\_\_

08/27/09 needs Boiler protection  
sprinkler heads

~~M~~



FILL IN AND SIGN WITH INK

111 A 016

# 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 449 Forest Ave Use of Building LAUNDRY Date 3-14-08  
Name and address of owner of appliance KEVIN CURCO

Installer's name and address GROWN CONTRACTING PO Box 917 Raymond  
Telephone 207-577-7282

### Location of appliance:

- Basement
- Floor
- Attic
- Roof

### Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Columbia CT-10

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 # \_\_\_\_\_
- 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 NATURAL

Size of Tank \_\_\_\_\_

Number of Tanks \_\_\_\_\_

Distance from Tank to Center of Flame \_\_\_\_\_ feet.

Cost of Work: \$ 16,550

Permit Fee: \$ 190-

Approved

Approved with Conditions

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

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

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

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer \_\_\_\_\_

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<b>Business Name:</b>	<b>Contractor Name:</b> Grover Contracting	<b>Contractor Address:</b> 51 Burnham Drive Naples	<b>Phone:</b> (207) 577-7282
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> HVAC	

<b>Proposed Use:</b> Commercial - Laundry Mat - new Columbia CT - 10 boiler	<b>Proposed Project Description:</b> Install Columbia CT-10 Boiler.
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<b>Dept:</b> Zoning	<b>Status:</b> Approved	<b>Reviewer:</b> Ann Machado	<b>Approval Date:</b> 03/17/2008
<b>Note:</b>			<b>Ok to Issue:</b> <input checked="" type="checkbox"/>
<b>Dept:</b> Building	<b>Status:</b> Approved with Conditions	<b>Reviewer:</b> Jeanine Bourke	<b>Approval Date:</b> 03/19/2008
<b>Note:</b> 1) Th			<b>Ok to Issue:</b> <input checked="" type="checkbox"/>



# CITY OF PORTLAND, MAINE

## Department of Building Inspections

March 14 2008

Received from

Jeffrey Aaker

Location of Work

449 Forest Ave

Cost of Construction \$ \_\_\_\_\_

Permit Fee \$ \_\_\_\_\_

Building (11) \_\_\_\_\_ Plumbing (15) \_\_\_\_\_ Electrical (12) \_\_\_\_\_ Site Plan (U2) \_\_\_\_\_

Other Barker

CBL: 111 A 016

Check #: \_\_\_\_\_

Total Collected \$ 190<sup>00</sup>

## THIS IS NOT A PERMIT

No work is to be started until PERMIT CARD is actually posted upon the premises. Acceptance of fee is no guarantee that permit will be granted. PRESERVE THIS RECEIPT. In case permit cannot be granted the amount of the fee will be refunded upon return of the receipt less \$10.00 or 10% whichever is greater.

WHITE - Applicant's Copy

YELLOW - Office Copy

PINK - Permit Copy

# COLUMBIA

## CT SERIES

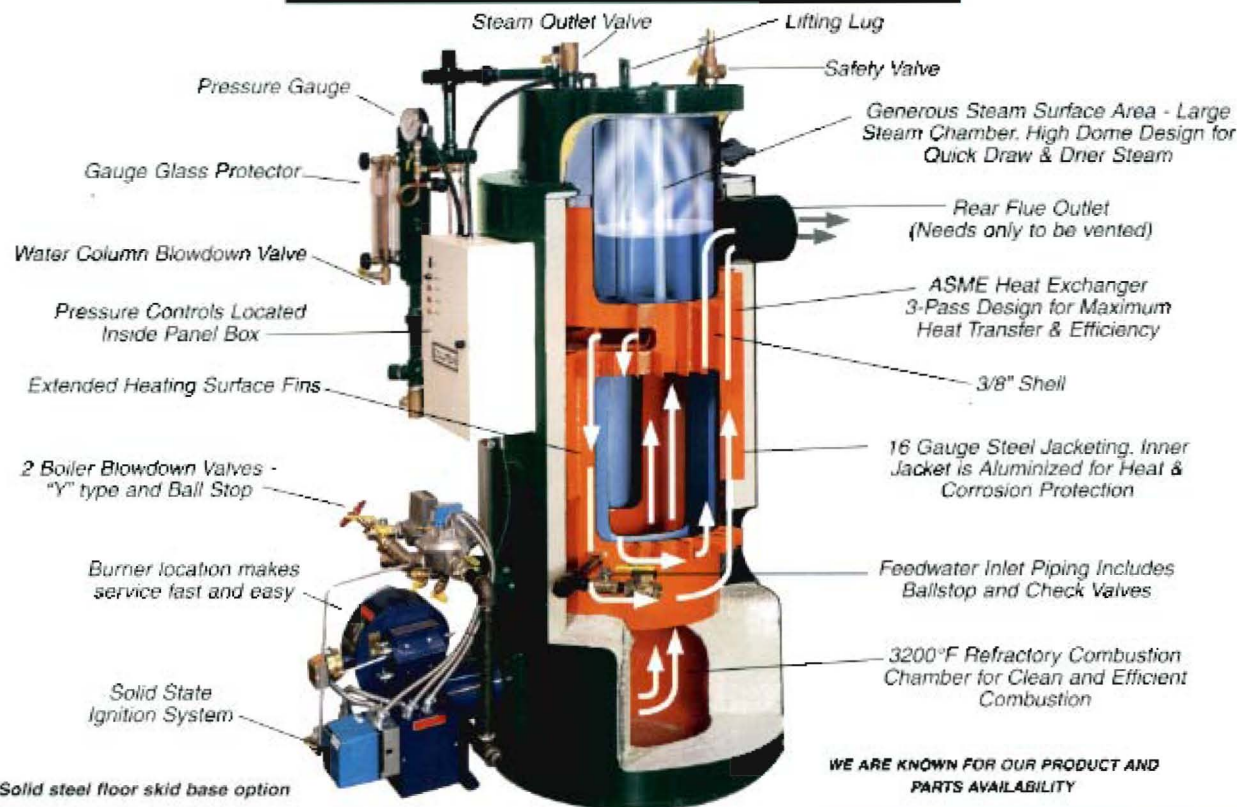
### HIGH PRESSURE STEAM BOILER



*The Columbia CT boiler features a three-pass, vertical tubeless design that provides an efficient, compact source for high pressure steam output. The CT's advanced features and dependable performance ensure that this boiler is tough enough for your business ... and with superior product and parts availability, you won't lose time to downtime.*

*You can do BETTER with Columbia*  
GOOD people. BETTER Boilers. BEST value.

# COLUMBIA ADVANTAGES



WE ARE KNOWN FOR OUR PRODUCT AND PARTS AVAILABILITY

ASME

## CT SPECIFICATIONS AND DATA

MODEL NO	CT-6	CT-10	CT-15	CT-20	CT-25	CT-35	CT-60*
<b>RATINGS:</b>							
Horsepower	6	9.5	15	20	25	35	50
Gas Input (BTU per hour)	252,000	399,000	630,000	840,000	1,050,000	1,470,000	2,100,000
Oil Input (Gals. per hour)	2.00	2.85	4.50	6.00	7.50	10.50	15.00
Output (BTU per hour)	201,600	320,000	504,000	672,000	840,000	1,176,000	1,680,000
Output (Lbs. steam per hour)	207	320	517	690	862	1207	1725
Maximum Allowable Working Pressure	150	150	150	150	150	150	150
Water Capacity (Gals.)	16	27	37	43	59	90	240
Steam Release Surface Area	183 sq.in.	262 sq.in.	389 sq.in.	501 sq.in.	627 sq.in.	817 sq.in.	1402sq.in.
Hand Hole Sizes	(3) 3x4	(3) 3x3-3/4	(3) 3x3-3/4	(4) 3x3-3/4	(4) 3x3-3/4	(4) 3x3-3/4	(4) 3x3-3/4
<b>BOILER DIMENSIONS:</b>							
A Boiler Height (includes piping)	70"	78"	84"	88"	92"	96"	103"
B Boiler Diameter (left to right, packaged including M & M)	34"	36"	40"	41"	42"	43"	56"
C Boiler Diameter (left to right, less trim & piping)	27"	30"	34"	37"	40"	43"	56"
D Burner to Flue Outlet (approx.)	47"	48"	54"	58"	62"	71"	94"
E Flue Outlet (diameter)	6"	6"	8"	8"	10"	12"	12"
F Flue Outlet to Floor (centerline)	48-1/4"	55"	60"	63-1/2"	65-1/2"	69"	76-1/4"
G Steam Outlet (IPS)	3/4"	3/4"	1"	1"	1-1/4"	1-1/4"	2"
H Feedwater Inlet (IPS)	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	1"
I Feedwater Inlet to Floor (centerline)	22-3/8"	24-3/8"	24-3/8"	27-3/8"	28-3/8"	13-1/2"	15-1/2"
J Blowdown Outlet (IPS)	1"	1"	1"	1"	1"	1"	1-1/4"
K Normal Water Line to Floor	46-3/4"	54-1/2"	60-1/2"	65"	69"	71-1/2"	81-1/2"
Approx. Floor Space	3' x 5'	3' x 5'	3-1/4' x 5'	3-1/2'x5-1/2'	4' x 6'	5' x 8'	6' x 10'
<b>CRATED DIMENSIONS:</b>							
Left to Right	38"	41"	43"	44"	44"	45-1/2"	56"
Front to Rear	53"	56"	62"	66"	66"	77"	96"
Height	73"	81"	86"	95"	95"	95"	104"
Approx. Shipping Wt. (skidded & crated)	1580 lb	1900 lb	2450 lb	3075 lb	3400 lb	4650 lb	6200 lb

CT BOILER/BURNER UNITS. Completely assembled, piped, wired & factory tested with steam pressure gauge, water level gauge, gauge cocks with ball checks, gauge glass protector, steam safety valve, steam supply ball valve, boiler and water column blowdown valves, hand hole inspection plate assemblies, feedwater inlet ball valve & check valve, jack\* and 3" poured refractory insulation, water column with probe type low water cut-off and pump control, additional probe type low water cut-off with annual reset, steam pressure control, steam hi-limit pressure control with manual reset, feed pump motor contactor, and UL listed burner with safety and operating controls. CSD-1 approval is standard on all boilers.  
 \* The CT 50 is built with a 3" supply fitting and a 3" return fitting for use as a hot water boiler.

Manufactured in USA by  
**COLUMBIA BOILER COMPANY**  
 P.O. Box 1070, Pottstown, PA 19464  
 (610) 323-2700 FAX (610) 323-7292  
 www.columbiaboiler.com  
 rbcsales@columbiaboiler.com



**KALCO BOILER TECHNOLOGY**  
 Manufacturers Representative  
 P.O. Box 26 Holden, MA 01520  
 Tel (508) 829-4485 Fax (508) 829-5240

