

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 09-1305	Issue Date:	CBL: 147 A024001
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Location of Construction: 1011 FOREST AVE	Owner Name: EWT 17 LLC	Owner Address: 99 FISHERVILLE RD	Phone:
Business Name:	Contractor Name: Mechanical Services, Inc	Contractor Address: 400 Presumpscot St Portland	Phone 2077741531
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: B-2

Past Use: Commercial	Proposed Use: Commercial - install a Coleman ZU-07N18ETGAA4 unit on roof	Permit Fee: \$310.00	Cost of Work: \$28,882.00	CEO District: 4
Proposed Project Description: install a Coleman ZU-07N18ETGAA4 unit on roof		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>* See Conditions</i>	INSPECTION: Use Group: <i>B</i> Type: <i>HVAC</i> <i>DMC-2003</i>	
		Signature: <i>KG</i>	Signature: <i>MP 12/1/09</i>	
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: Ldobson	Date Applied For: 11/18/2009	Zoning Approval
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<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"/> <input type="checkbox"/> Denied Date: <i>11/18/09</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: _____
	<p><i>done with conditions</i></p>		

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.

PERMIT ISSUED

NOV 30

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

City of Portland

City of Portland, Maine - Building or Use Permit

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

Permit No: 09-1305	Date Applied For: 11/13/2009	CBL: 147 A024001
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Location of Construction: 1011 FOREST AVE	Owner Name: EWT 17 LLC	Owner Address: 99 FISHERVILLE RD	Phone:
Business Name:	Contractor Name: Mechanical Services, Inc	Contractor Address: 400 Presumpscot St Portland	Phone (207) 774-1531
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Commercial - install a Coleman ZU-07N18ETGAA4 unit on roof	Proposed Project Description: install a Coleman ZU-07N18ETGAA4 unit on roof
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Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 11/18/2009

Note: **Ok to Issue:**

- 1) The new HVAC shall meet the B-2 Zone maximum noise allowances. The maximum allowed is: 7:00 am to 9:00 pm is 60 dBA & 9:00 pm to 7:00 am is 55 dBA. The City strickly enforces the noise requirements in the Land Use Zoning Ordinance.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 12/01/2009

Note: **Ok to Issue:**

- 1) Equipment must be installed in compliance per the manufacturer's specifications
2) Installation shall comply with 2003 International Mechanical Code

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Capt Keith Gautreau **Approval Date:** 11/24/2009

Note: **Ok to Issue:**

- 1) Install shall comply with all manufacture's specifications.
2) Install shall comply with NFPA 54.
A compliance letter is required

PERMIT ISSUED

NOV 30 2009

City of Portland



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT ISSUED

NOV 30

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 1011 Forrest Ave ^{147-A-24} Use of Building Office Date 11/9/09
 Name and address of owner of appliance Keystone Management
99 Fisherville Rd Concord, NH 03303
 Installer's name and address Mechanical Services Inc
400 Presumpscot St Portland, Me 04103 Telephone 774-1531

Location of appliance:

Basement Floor
 Attic Roof

Type of Fuel:

Gas Oil Solid

Appliance Name: Boiler 20-07NISETG1141

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 # PN T5450
 Other _____

Type of Chimney:

Masonry Lined
 Factory built _____

Metal
 Factory Built U.L. Listing # _____

Direct Vent
 Type Side discharge UL# _____
on roof

Type of Fuel Tank **RECEIVED**

Oil
 Gas N/A

NOV 13 2009

Size of Tank _____ Dept. of Building Inspections
City of Portland Maine

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 28,882

Permit Fee: \$ 310

Approved

Fire: _____
 Ele.: _____
 Bldg.: [Signature] 12/1/09

Signature of Installer [Signature]

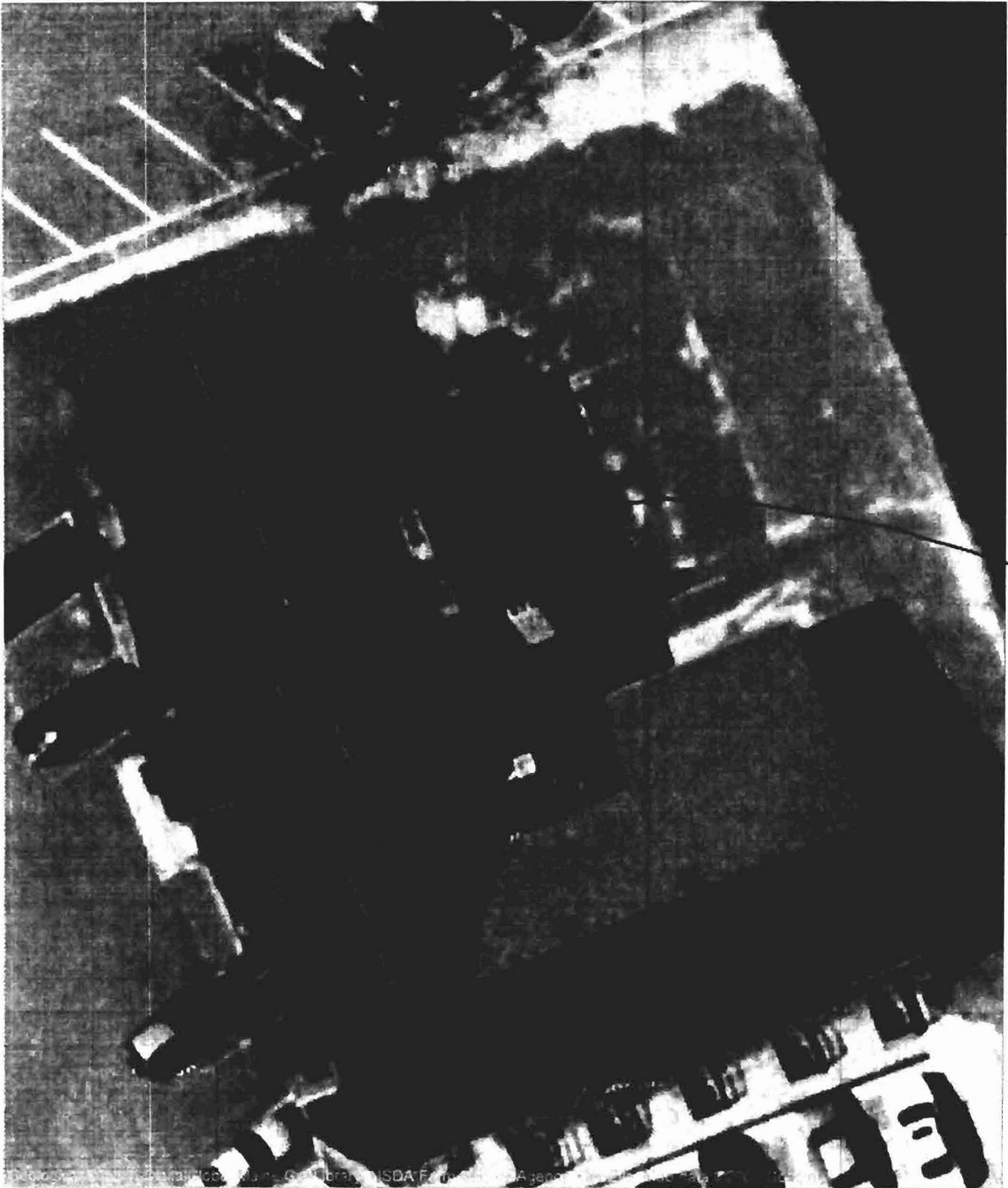
Approved with Conditions

See attached letter or requirement

 Inspector's Signature Date Approved

Google maps Address

To see all the details that are visible on the screen, use the "Print" link next to the map.



' New COLEMAN UNIT
will REPLACE This "GE" UNIT



Heating & Air Conditioning

6.5-12.5 Ton Package

ZU - 11.2 to 11.5 EER Single Pkg R-410a AC

Date: 2/27/2009 Page: 3

Order No:

Project Name: **chris green jr R-410A**

Model #: **ZU-07N18ETGAA4**

Quantity: 1

System: **ZU-07N18ETGAA4**

Cooling Performance

Total capacity	93.5 MBH
Sensible capacity	68.7 MBH
Refrigerant type	R410A
Efficiency (at ARI)	11.40 EER
Ambient DB temp.	95 °F
Entering DB temp.	80 °F
Entering WB temp.	67 °F
Leaving DB temp.	58.88 °F
Leaving WB temp.	57.15 °F
Part load efficiency	12.4 IPLV
Sound power	83 dB(A)
Elevation	0 ft.

Heating Performance

Entering DB temp.	60 °F
Heating output capacity (Max)	180 MBH
Leaving DB temp.	60 °F

Supply Air Blower Performance

Supply air	3000 CFM
Ext. static pressure	0.6 IWG
Blower speed	1171 RPM
Duct location	Bottom
Motor rating	3.00 HP
Actual required BHP	1.85 HP
Power input	1.73 kW

Electrical Data

Power supply	230-3-60
Min circuit ampacity	47.00 Amps
Max over-current protection	60 Amps
Can derate	Yes
Derated voltage	208 V

Dimensions & Weight

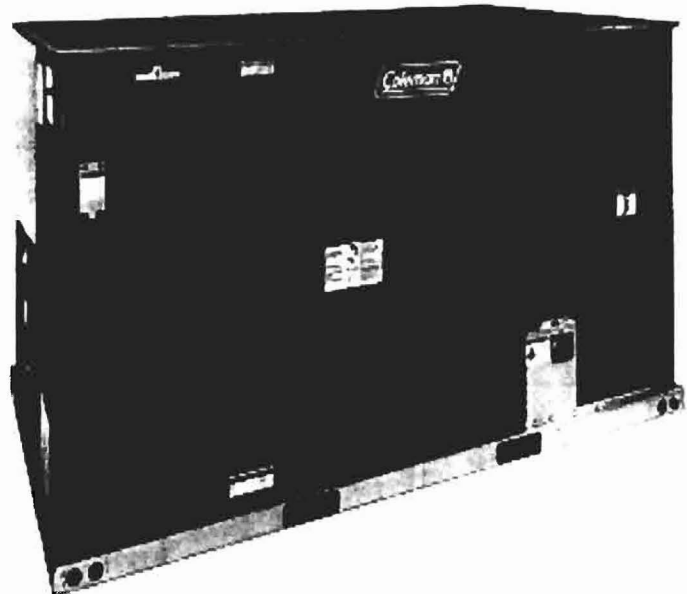
Hgt	42 in.	Len	89 in.	Wth	59 in.
Weight with factory installed options					1110 lbs.

Clearances

Right	12 in.	Front	36 in.	Back	36 in.
Top	72 in.	Bottom	0 in.	Left	36 in.



ARI Standard 349/350
Commercial and Residential Quality
Air Conditioning Equipment



7.5 TON

STANDARD FEATURES

- A single 59" W x 89" D cabinet means simple installation regardless of unit tonnage.
- Specify units for cooling only, cooling with electric heat, and cooling with gas heat.
- Two-stage Heat/ 2-Stage cool provides ultimate comfort.
- Convertibility for side or down airflow discharge, with single-enthalpy economizers used on either application.
- Choose from a wide range of factory-installed options and standards like BAS controls, dirty filter and disconnect switches, barometric relief and power exhaust, phase monitors, smoke detectors, stainless steel heat exchangers, and much more.
- The dual-circuit reliability of two compressors with independent refrigeration circuits, electronic spark ignition, and power-vented combustion.
- Install these compact units almost anywhere there's a curb, slab, roof rack, or frame.
- Each unit is completely charged with R410A—wired, piped, and tested.
- All units are assembled and delivered on rigid, full-perimeter base rails, allowing for 3-way forklift access and overhead rigging.
- Tool-free maintenance with features like hinged doors for all-access panels, slide-out blower and blower motor tray, and self-tensioning blower belt.
- IAQ features like foil-faced insulation, pitched roof, and removable drain pan.
- Can be ordered practically ready for immediate installation

FACTORY WARRANTY

- Five-Year Limited Warranty On Compressor
- Ten-Year Heat Exchanger Warranty
- One-Year Warranty all other parts

Coleman 7.5 Ton Natural Gas/Electric Cooling Rooftop Unit.

To be installed at 1011 Forest Avenue in Portland, ME. Will replace existing GE Electric Heat/Electric Cool unit on center back of roof.

Heating Capacity (MAX) 180 MBH

Cooling Capacity 93.5 MBH

Sound power 83 dB(A)

Physical Size

42" Tall

89" Long

59" Wide

Total system weight: 1,110 lbs.



October 28, 2009
09-107

Mr. Christopher C. Green
Mechanical Services, Inc.
400 Presumpscot Street
Portland, ME 04103-5292

1011 Forest Avenue, Portland, Maine

Dear Chris:

As requested, we have conducted a structural analysis of the existing 2x10@16"o.c. flat roof joists spanning approximately 15.0 feet to support the proposed 1,110 pound RTU (roof top unit) that will replace the existing RTU. We understand the proposed RTU is 59 inches x 89 inches in plan size, which translates to an equivalent uniform RTU load of 30psf. The minimum design flat roof snow load (Pf) set forth in the 2009 International Building Code (IBC) for this geographic area is 40psf.

As a result, our analysis indicates the existing 2x10 flat roof joists will safely support the proposed RTU.

Professional services rendered are believed to be in a manner that is consistent with others performing similar work in the geographic area at the time services were rendered.

Thank you for using SRG Engineering for your structural engineering needs.

Sincerely,

SRG ENGINEERING, INC.

A handwritten signature in black ink, appearing to read "S. Grant", is written over the printed name.

Steven R. Grant, P.E.
President

SRG:srg

