



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 64 NEAL ST. 62A 20 Use of Building Residents Date 8/30/05'
Name and address of owner of appliance William Roche Jr. 64 NEAL ST. PH d

Installer's name and address GELINAS HVAC SERVICES INC. 2 WASHINGTON AVE
Scarborough, ME 04074 Telephone (207) 885-0771

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name: Air conditioning unit 121bs
(SPACE PAK)

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 # N/A
- Solid Fuel # N/A
- Oil # N/A
- Gas # N/A
- Other 059205417

Type of Chimney:

- Masonry Lined
Factory built N/A
- Metal
Factory Built U.L. Listing # N/A
- Direct Vent
Type N/A UL# N/A

Type of Fuel Tank

- Oil N/A
- Gas

Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Flame N/A feet.

Cost of Work: \$ 9,000

Permit Fee: \$ 102⁰⁰/₁₀₀

Approved

Fire: _____
Ele.: _____
Bldg.: JMB

Approved with Conditions

- See attached letter or requirement

Signature of Installer William W. Belmont

Inspector's Signature _____ Date Approved _____

City of Portland, Maine - Building or Use Permit

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

Permit No: 05-1257	Date Applied For: 09/01/2005	CBL: 062 A020001
------------------------------	--	----------------------------

Location of Construction: 64 NEAL ST	Owner Name: KAHL JOHN M & WILLIAM J R	Owner Address: 64 NEAL ST	Phone:
Business Name:	Contractor Name: Gelinac HVAC Services INC	Contractor Address: 2 Washington Ave Scarborough	Phone (207) 885-0771
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Single Family Home/ Airconditioning unit on flr (120 lbs)	Proposed Project Description: Airconditioning unit on flr (120 lbs)
---	---

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 09/29/2005

Note: 9/29/05 spoke w/Bill G. (contractor) to verify the vent outlet. He assured me that it will not be seen from the street, it is going to be in the rear. **Ok to Issue:**

1) The vent shall not be visible from the street. If this changes, it is required to have a historic approval.

Dept: Building **Status:** Approved **Reviewer:** Jeanine Bourke **Approval Date:** 09/29/2005

Note: **Ok to Issue:**

**L & L STRUCTURAL
ENGINEERING SERVICES, INC.**

Six O Street
South Portland, ME 04106
Phone: (207) 767-4830
Fax: (207) 799-5432

August 26, 2005

Bill Gelinis
GELINAS HVAC Services, Inc.
2 Washington Avenue
Scarborough, Maine 04074

Subject: Proposed HVAC installation located at 64 Neil Street in Portland, Maine.

Dear Mr. Gelinis,

We have completed our review of the support for the HVAC unit. As you know we visited the site to review the area that it is to be installed. Based on the unit specification faxed to our office we understand the unit weighs approximately 120 pounds. Based on our evaluation of the floor area were the unit is to be placed we have determined that it is acceptable to install the unit in this area.

If you have any questions or require further assistance, please do not hesitate to call.

Sincerely,

L&L Structural Engineering Services, Inc.



Mark F. Leasure, P.E.
President



SECTION 2: SYSTEM INSTALLATION

NOTICE: Before proceeding with the installation, we recommend reading through this section of the manual for an overall understanding of the air conditioning fan coil unit and air distribution system component installation procedures.

STEP 1: LOCATING THE UNIT

The fan coil unit may be installed in an unconditioned space (as long as it is protected from the weather) such as an attic, garage or crawlspace...or a conditioned space such as a basement, closet or utility room (see dimensions in Figure 2.2 and 2.3).

The fan coil unit is shipped in a horizontal air flow arrangement, but can be easily field-converted to a vertical air flow arrangement (see Figures 2.8 and 2.9).

When selecting a location, consider the locations as shown in Figures 2.4, 2.5 and 2.6 of the return air box; routing of the plenum duct, supply tubing, refrigerant lines, condensate drain line; and all recommended clearances (see Figures 2.2 and 2.3).

When installing unit in an attic (above a room ceiling), recommend installing a secondary drain pan or optional float switch. Follow local code requirements.

Model	System capacity (Nom. Tons)	Electrical Characteristics	Connections					Recommended Condensing Unit	
			Suction Line	Liquid Line	Cond. Drain (NPT)	Return Inlet (Dia.)	Supply Outlet (I.D.)	Capacity (MBH)	Min SEER
ESP-2430D	2 - 2-1/2	1-60-208/230	7/8"	3/8"	3/4"	15"	9"	24 to 30	12+
ESP-3642D	3 - 3-1/2	1-60-208/230	7/8"	3/8"	3/4"	19"	9"	36 to 42	12+
ESP-4860D	4 & 5	1-60-208/230	7/8"	3/8"	3/4"	24"	9"	42 to 60	12+

Model	System capacity (Nom. Tons)	Blower					Coil			Ship. Wt. (lbs)
		Std. CFM @ 1.5" W.C.	Wheel Dia. and Width	Motor HP	Motor Type	F.L. Amps	No. of Rows Deep	Refrig. Charge (R-22)	Flow Control Type	
ESP-2430D	2 - 2-1/2	550	9" x 5"	1/3	PSC	1.8	6	0	Exp. Valve	112
ESP-3642D	3 - 3-1/2	850	9" x 5"	1/2	PSC	2.8	6	0	Exp. Valve	134
ESP-4860D	4 & 5	1150	9" x 6-3/8"	3/4	PSC	3.6	6	0	Exp. Valve	171

FIGURE 2.1: MODEL ESP-D SPECIFICATIONS

