

City of Portland, Maine - Building or Use Permit Application
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

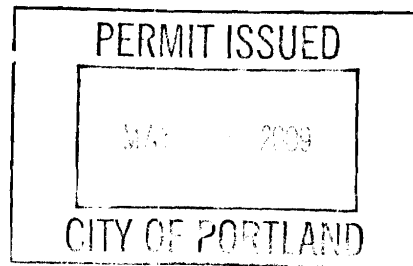
Permit No: 09-0373	Issue Date:	CBL: 012 P018001
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Location of Construction: 105 WASHINGTON AVE	Owner Name: A & M PARTNERS LLC	Owner Address: 120 EXCHANGE ST	Phone:
Business Name:	Contractor Name: HVAC Services, Inc.	Contractor Address: 73 Bradley Drive Westbrook 04092	Phone: 2078544822
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: B-2b

Past Use: Commercial office connected w/ permit#081469	Proposed Use: Commercial office connected w/ permit#081469 - install a Natural gas Heating/ Cooling unit on roof	Permit Fee: \$420.00	Cost of Work: \$39,700.00	CEO District: 1
Proposed Project Description: install a Natural gas Heating/ Cooling unit on roof		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied * See Conditions	INSPECTION: Use Group: B Type: HVAC IBC 2003 ST ME GAS REG Signature: Jm 5/6/09	
		Signature: <i>KC</i>	Signature: <i>Jm 5/6/09</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: 04/27/2009	Zoning Approval		
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 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..	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 Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>4/28/09 ABM</i>	Zoning Appeal <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: _____	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> Date: _____
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CERTIFICATION

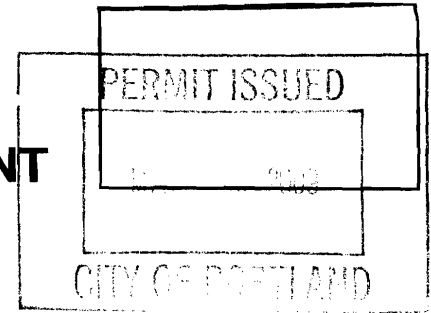
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, 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



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 107 Washington Ave 12 P. 18 Use of Building Comm Office Date 4/27/09
 Name and address of owner of appliance AEM PARTNERS
Exchange St. W Portland, ME
 Installer's name and address HVAC SERVICES INC.
73 Bradley Drive Westbrook, ME 04092 Telephone 207-854-4822

Location of appliance:

- Basement Floor
 Attic Roof

Type of Fuel:

- Gas Oil Solid

Appliance Name: Roof top HVAC

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 GAS

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 39,700-

Permit Fee: \$ 420

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Signature of Installer [Signature] 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: 09-0373	Date Applied For: 04/27/2009	CBL: 012 P018001
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Location of Construction: 105 WASHINGTON AVE	Owner Name: A & M PARTNERS LLC	Owner Address: 120 EXCHANGE ST	Phone:
Business Name:	Contractor Name: HVAC Services, Inc.	Contractor Address: 73 Bradley Drive Westbrook	Phone (207) 854-4822
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Commercial office connected w/ permit#081469 - install a Natural gas Heating/ Cooling unit on roof	Proposed Project Description: install a Natural gas Heating/ Cooling unit on roof
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Dept: Zoning	Status: Approved	Reviewer: Ann Machado	Approval Date: 04/28/2009	Note:	Ok to Issue: <input checked="" type="checkbox"/>
Dept: Building	Status: Approved with Conditions	Reviewer: Tom Markley	Approval Date: 05/06/2009	Note: 1) The installation must comply with the State of Maine Gas Regulations. 2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.	Ok to Issue: <input checked="" type="checkbox"/>
Dept: Fire	Status: Approved with Conditions	Reviewer: Capt Keith Gautreau	Approval Date: 04/29/2009	Note: 1) Install shall comply with NFPA 90B. 2) Install shall comply with all manufacture's specifications.	Ok to Issue: <input checked="" type="checkbox"/>

L & L STRUCTURAL
ENGINEERING SERVICES, INC.
Six Q Street
South Portland, ME 04106

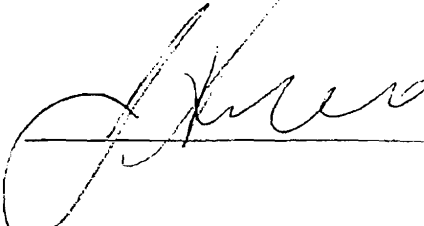
Fax Transmittal

To: STEVE HIGGINS From: JOE LEONARD
Fax: 854-0775 Pages: 3
Phone: _____ Date: 4/6/09
Re: 107 WASH AVE, PORT - HUDC. CC: _____

For Your Use For Review Please Comment Please Reply Please Recycle

• Comments:

- If you do not receive all pages, please call our office at 207 767-4830



L & L STRUCTURAL
ENGINEERING SERVICES, INC.

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

April 1, 2009

Mr. Steve Higgins
HVAC Services, Inc.
73 Bradley Drive
Westbrook, Maine 04094

Subject: Analysis of the Roof Structure to Support HVAC Units for the building
located at 107 Washington Avenue, Portland, Maine

Dear Mr. Higgins,

As per your request we have reviewed and analyzed the existing flat roof structure for the single story building located at 107 Washington Avenue in Portland, Maine. The purpose of our analysis and review was to determine if the existing roof structure is capable of safely supporting three proposed HVAC units to be installed on top of the roof. The proposed HVAC unit, according to information provided by your office, is a Trane model Rooftop Unit with an operational weight of 1,000 pounds. The unit footprint is approximately 3'-10" x 7'-10". The location of the units was described on a sketch from your office specifying the general arrangement of the rooftop units and identified with the contractor at the building site.

The existing roof structure consists of 5 1/2" x 9 1/2" (6x10) timber roof beams spaced at approximately 6'-2" on center and spanning approximately 15'-3" between 24" deep structural steel girders that have been reinforced prior to this renovation. The steel girders clear span between the exterior walls concrete masonry column supports that are integral with the exterior 8" thick concrete masonry block masonry exterior walls around the perimeter of the building. The roof decking consists of approximately 2" thick timber deck that is supported on the 6x10 beams. Our analysis and review of the roof structure was performed utilizing the 2003 International Building Code (IBC) adopted by the City of Portland and considering the Building Code Requirements for the material utilized in the existing roof structure.

The existing roof structure is capable of supporting the proposed HVAC unit, at the location discussed at the building site, in addition to the current code stipulated structural roof live (snow plus drifting snow as applicable) and dead loading as long as specific roof framing modifications are completed as follows:

1. The existing 6x10 beams between the steel girders on both sides of the three proposed locations of the HVAC rooftop units shall be reinforced with an additional 2x10 member fastened to the side of the existing 6x10 beam with two rows of 16d nails at 12" on center at the top and bottom of the beam plus an additional 6-16d nails at both ends of the beam.
2. The existing 2-1 3/4" x 9 1/2" LVL and 3x10 timber members that have been utilized to create the three openings in the existing roof for the HVAC rooftop units are acceptable as long as the members are supported in metal hangers with a minimum capacity of 1,250 pounds.

107 Washington Avenue, Portland, Maine

4/1/09

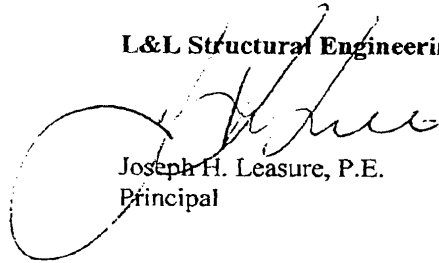
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3. The HVAC units shall be installed with the unit curbs over the existing 2-1 3/4" x 9 1/2" LVL, 3x10 timber members, existing 6x10 beams, or the existing steel girders. The EPDM roofing shall be re-roofed and repaired weather tight around the new HVAC units.

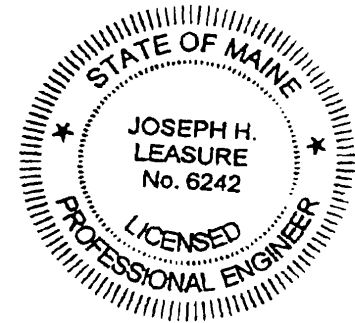
If you have any further questions or require any additional information and/or technical assistance, please do not hesitate to call.

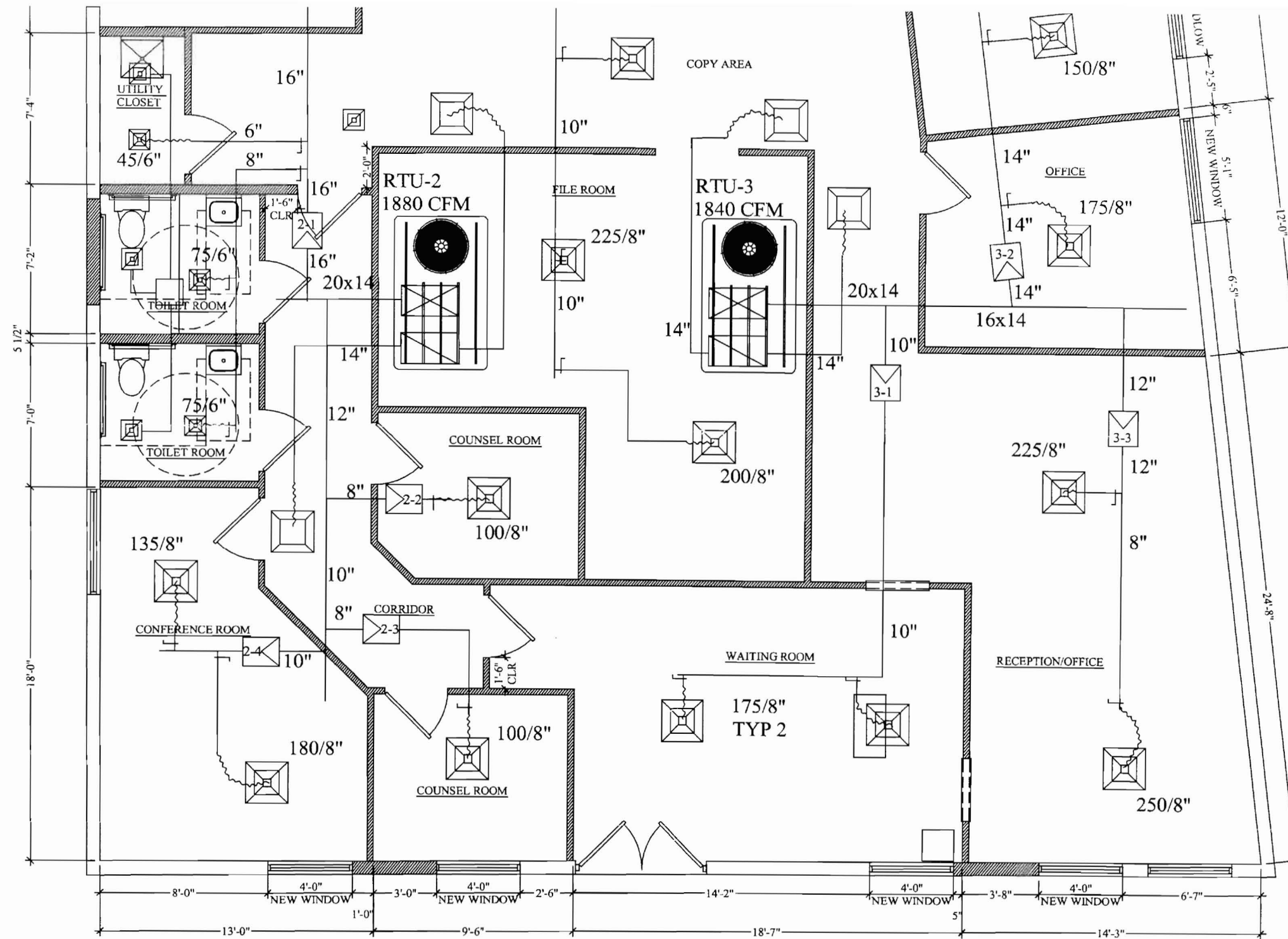
Sincerely,

L&L Structural Engineering Services, Inc.



Joseph H. Leasure, P.E.
Principal





1 | PLAN
 SCALE: 1/4" = 1'-0"

M-	PROPOSED	Date	Scale AS NOTED	Project:	HVAC SERVICES INC.	OWNER:
	PLAN	Revisions:		107 WASHINGTON STREET PORTLAND, MAINE		

