



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT ISSUED

NOV 1 2 5

CITY OF PORTLAND

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 45 Wharf St. / 440 Fore St 32 R 7 Use of Building Retail / Restaurant Date 10/25/05
Name and address of owner of appliance Fore & Wharf LLC P.O. Box 7690 Portland Maine 04101

Installer's name and address Tom Smart HVAC Telephone 207-272-0113
Smart

Location of appliance:

- ☐ Basement ☐ Floor
☐ Attic ☒ Roof

Type of Fuel:

- ☒ Gas ☐ Oil ☐ Solid

Appliance Name: York / column

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 # PNP 2671 PNT 2671
☐ Other _____

Type of Chimney:

- ☐ Masonry Lined
Factory built _____
☐ Metal
Factory Built UL Listing # _____
☐ Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- ☐ Oil
☐ Gas

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 10,100.00

Permit Fee: \$ 120

Approved

Approved with Conditions

Fire: _____

Ele.: _____

Bldg.: _____

☐ See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer Thomas J. Smart

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 05-1580	Issue Date: NOV 18 2005	CBL: 032 R007001
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Location of Construction: 436 FORE ST	Owner Name: FORE & WHARF LLC	Owner Address: 6 WEBBER WAY	Phone:
Business Name:	Contractor Name: Smarc, Thomas LP & Natural Gas	Contractor Address: Westbrook	Phone: 2072320113
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: B-3

Past Use: Commercial	Proposed Use: Commeclal/ install a York / Coleman Gas Roof Top unit	Permit Fee: \$120.00	Cost of Work \$10,100.00	CEO District: 1
Project Description: install a York / Coleman Gas Roof Top unit		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied with conditions	INSPECTION: Use Group A-2 Type HVAC IBC-2003	
		Signature: Greg Cuss		
		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: Idobson	Date Applied For: 10/26/2005	Zoning Approval		
1. 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	Zoning Appeal	Historic Preservation
		<input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision Site Plan <i>OK</i> Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>11/14/05</i>	<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:	<input 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

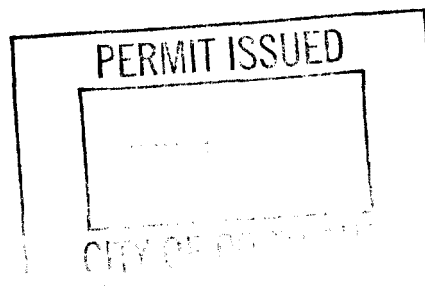
From: Deb Andrews
To: Jeanie Bourke
Date: 11/15/2005 11:06:13 AM
Subject: Re: 436 Fore St

Is this the one Steve Bauman is proposing? If so, I've I okayed it. Deb

>>> Jeanie Bourke 11/14/2005 2:34:24 PM >>>

Hi Deb,

Do you need to review an hvac unit going on the roof above the Liquid Blue on the Wharf st. side?



City of Portland, Maine - Building or Use Permit

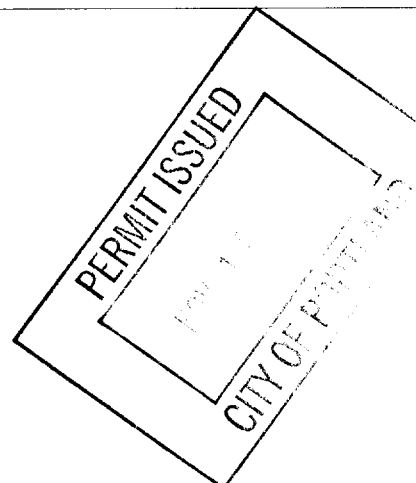
389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 05-1580		Date Applied For: 10/26/2005	CBL: 032 R007001
Location of Construction: 436 FORE ST	Owner Name: FORE & WHARF LLC	Owner Address: 6 WEBBER WAY	Phone:
Business Name:	Contractor Name: Smarc, Thomas LP & Natural Gas	Contractor Address: Westbrook	Phone (207) 232-0113
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	
Commecial/ install a York / Coleman Gas Roof Top unit		install a York / Coleman Gas Roof Top unit	
Dept: Zoning Status: Approved Reviewer: Jeanine Bourke Approval Date: 11/14/2005 Note: Ok to Issue: <input type="checkbox"/>			
Dept: Building Status: Approved Reviewer: Jeanine Bourke Approval Date: 11/14/2005 Note: Ok to Issue: <input type="checkbox"/>			
Dept: Fire Status: Approved with Conditions Reviewer: Cptn Greg Cass Approval Date: 10/27/2005 Note: Ok to Issue: <input type="checkbox"/> 1) All Related building construction to comply with NFPA 01 2) Install to comply with NFPA 54 All duct work to comply with 90B			

Comments:

11/14/2005-jmb: Spoke w/Helen W. At Criterium Mooney about the discrepancy of the model # and weight sited on the letter, she will bring over the 2nd draft with the appropriate model.

11/14/2005-jmb: Sent email to Deb A. To see if it needs historic review





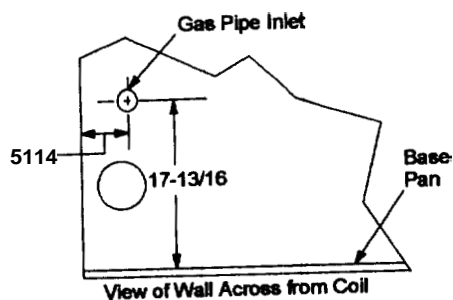
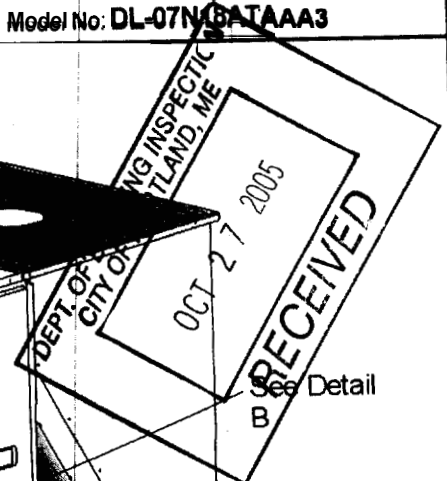
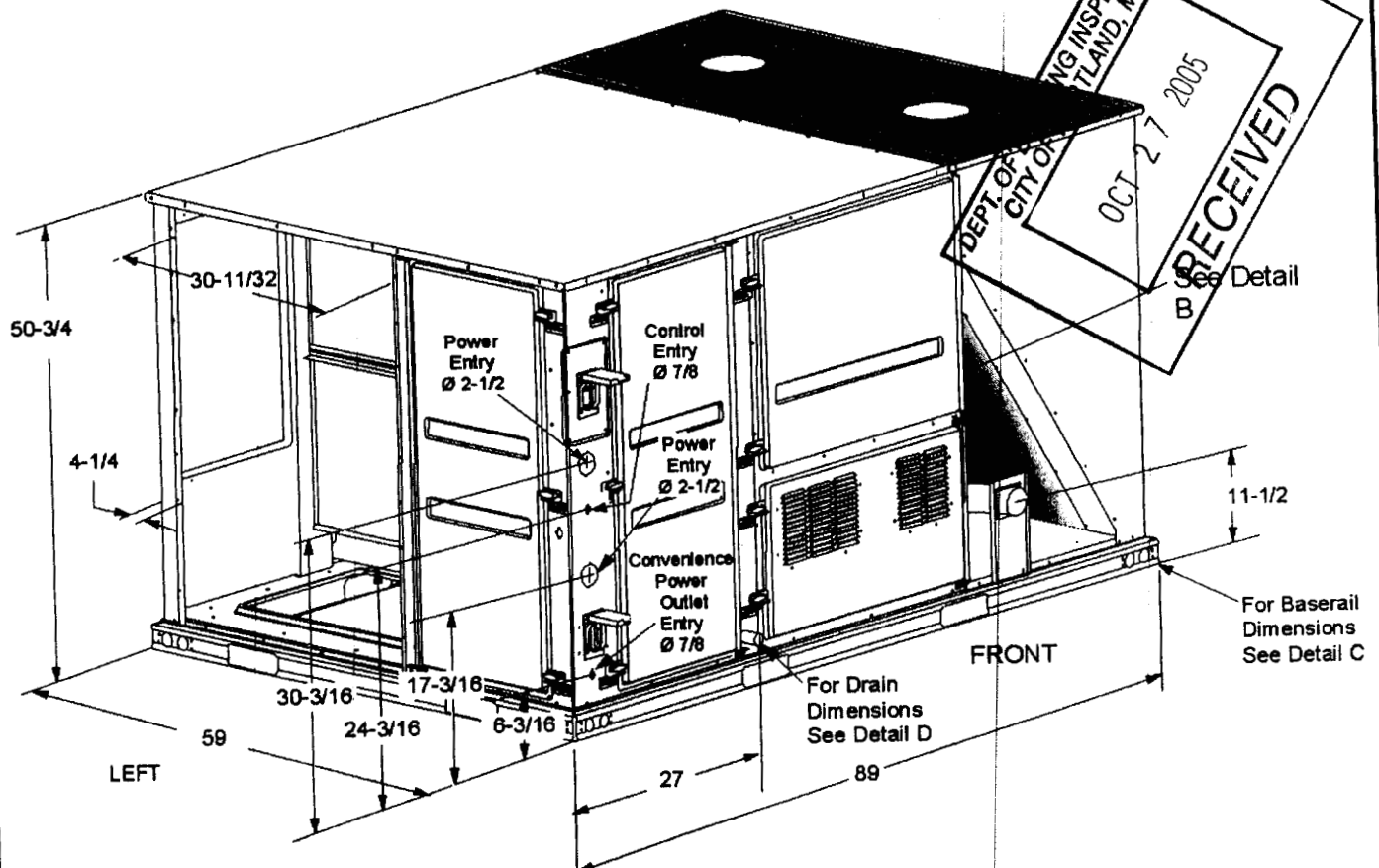
Gas/Electric Unit

Date 0411112005 Page 1
Order No

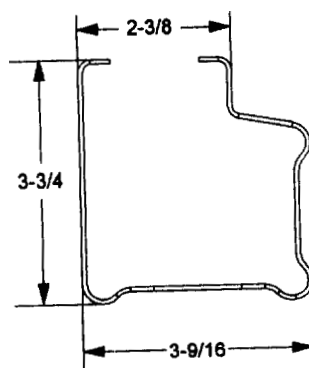
Project Name **Untitled**
Architect
Engineer
Purchaser
Submitted By **ROGER WINDSOR**

QUANTITY: 1 UNITS DESIGNATION: Schedule No:

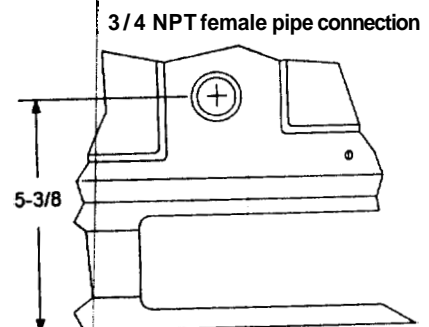
Model No: **DL-07N00ATAAA3**



Detail B



Detail C - Baseraill Dimensions



Detail D - Drain Dimensions



ENGINEERS REPORT

Date 04/11/2005 Page 1
Order No

Project Name **Untitled**
Architect

Engineer
Submitted By **ROGER WINDSOR**

Quantity **1** Model No **DL-07N18ATAAA3**

OD Schedule No

RTU & I D Schedule No

COOLING PERFORMANCE

Total Capacity *	89.0	MBH
Sensible Capacity	64.0	MBH
Elevation	0	Ft
Efficiency (at ARI)	9.00	EER
Part Load Efficiency	10.15	IPLV
Power Input (w/o blower)	8.30	KW
Leaving DB Temp	60.25	F
Leaving WB Temp	57.71	F

Outdoor DB Temperature	95.0	F
Entering DB Temperature	80.0	F
Entering WB Temperature	67.0	F

*Gross Capacity

HEATING PERFORMANCE

Entering Air Temperature	60	F
Air Temperature Rise	55.60	F
Leaving Air Temperature	115.60	F

☒ Gas Heat

Gas Fired Input	180	MBH
Gas Fired Output	180	MBH

Heating Capacity N/A MBH

☐ Heat Pump

SUPPLY AIR BLOWER PERFORMANCE

Total Supply Air	3000	CFM
Outside Air	0	CFM
External Static Pressure	0.60	IWG
Duct Connection	Bottom	

Blower Speed	854	RPM
Motor Rating	1.5	HP
Brake Horsepower	1.47	BHP
Power Input (blower only)	1.37	KW

APPROXIMATE DIMENSIONS & WEIGHT*

Height	51 in.
Width	89 in.
Depth	59 in.

Total Rigging Weight
(including factory accessories)

1006 Lbs*

SOUND POWER PERFORMANCE

Sound Power 84 Dbels

ELECTRICAL DATA

Power Supply	208-3-60
Total Unit Ampacity	39.6 Amps
Maximum Fuse Size	50 Amps
Maximum HACR Breaker Size	50 Amps

CLEARANCES

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

Engineer's Notes:

SUBMITTAL DATA SHEET

ROOF CURB

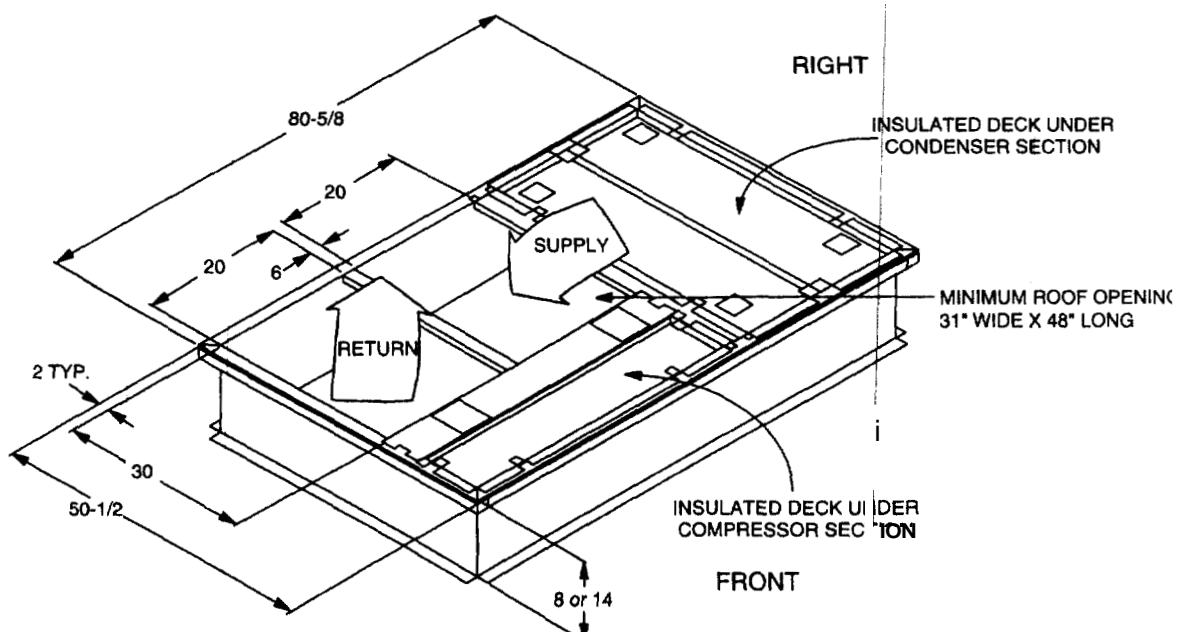
MODEL: 1RC0470 & 1RC0471

FOR UNITS: DL -06 thru -12 BA -06 thru -12
DS -06 thru -10 DW 12
DU -06 thru -12



JOB NAME		LOCATION:		
PURCHASER:		ORDER NO:		
ENGINEER				
SUBMITTED TO:	FOR	REF:	APPROVAL	CONSTRUCTION:
SUBMITTED BY:			DATE:	
UNIT DESIGNATION			SCHEDULE NO.	MODEL NO.

* Supply and Return Air (Including duct support rails) as shown, are typical for **bottom** duct applications.
For location of horizontal duct applications (On rear of unit), refer to Unit Dimensions details.



ROOF CURB MODEL NUMBER
8" - 1RC0470
14" - 1RC0471

Note:

1. Roof curb is built to NRCA standards.
2. Roof curb is constructed of 18 gauge G90 steel.
3. Unit duct supports are provided.
4. Full perimeter 4 wood nailer.
5. Curbs are shipped unassembled.
6. Corner hinge pins are used for assembly.

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036-22932-001-A-0904
Supersedes: Nothing

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5005
York
Drive

Norman
OK
73069

MOONEY ENGINEERS

22 MONUMENT SQ., SUITE 300
PORTLAND, ME 04101
TEL 207 775-1969
800 922-1969
FAX 207 775-4115

October 25, 2005

Mr. Mike Nugent
City of Portland
Portland City Hall, Room 315
389 Congress Street
Portland, ME 04101

**Re: Structural Evaluation – Add HVAC, Roof of Liquid Blue
440 Fore Street, Portland, Maine
CME Project No. 05-330**

Dear Mike:

Mr. Steve Baumann, representing Mr. Ed Baumann, the owner, requested that I review the roof of the building at 440 Fore Street, Portland Maine to determine if the roof framing is adequate for adding HVAC equipment. The building was inspected on October 25, 2005. Access was provided by Mr. Steve Baumann. The applicable code for the City of Portland is the 2003 IBC. The building is in use as a bar, and is under renovation. The roofing is new. No other equipment is on the roof. I did not inspect the roof.

The building is a one-story building on the Fore Street side, and a two-story building on the Wharf Street side. The building has multi-wythe brick masonry load bearing exterior walls. The roof framing consists of approximately 3-inch by 7-inch rafters at approximately 18 inches on center. The span of the rafters is approximately 7 feet for the Wharf Street side of the building where the HVAC unit will be installed. The rafters are supported by wood timber beams approximately 9 inches by 10 inches, and the beams are supported by interior wood columns approximately 5 1/4 inches by 9 inches. The wood framing appears to be in good condition. I understand that the building had three additional floors at one time. The building framing is typical of the commercial buildings on Commercial, Fore and Wharf Streets.

The required loading for this roof is 35 psf Snow Load, and I am assuming 20 psf for the Dead Load (roofing, sheathing, framing). The HVAC unit is a Coleman Model #DBYA-F060N110 weighing 480 pounds, and I am assuming 10% more weight for ductwork and flashing. The unit is 42 inches by 48 inches. The roof framing, including rafters, beams and columns, is adequate to support this load.

Please call if there are further questions. Thank you for allowing Criterium - Mooney Engineers to help you.

Yours truly,

Helen C. Watts FOR

Helen C. Watts, P.E.
Project Engineer

HCW/

cc: Mr. Steve Baumann

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BUILDING DIAGNOSTICS
INSPECTIONS
ENVIRONMENTAL SERVICES
MAINTENANCE PLANNING
DESIGN



?
Inconsistent
w/ submitted
model

®

PORTLAND MOONEY ENGINEERS[®]

November 2, 2005

22 MONUMENT SQ., SUITE 300
PORTLAND, ME 04101
TEL 207 775-1969
800 922-1969
FAX 207 775-4115

Mr. Mike Nugent
City of Portland
Portland City Hall, Room 315
389 Congress Street
Portland, ME 04101

**Re: Structural Evaluation – Add HVAC, Roof of Liquid Blue
440 Fore Street, Portland, Maine
CME Project No. 05-330**

Dear Mike:

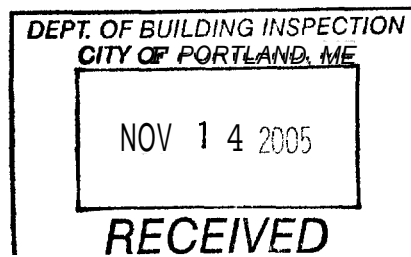
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The building is a one-story building on the Fore Street side, and a two-story building on the Wharf Street side. The building has multi-wythe brick masonry load bearing exterior walls. The roof framing consists of approximately 3-inch by 7½-inch rafters at approximately 18 inches on center. The span of the rafters is approximately 7 feet for the Wharf Street side of the building where the HVAC unit **will** be installed. The rafters are supported by wood timber beams approximately 9 inches by 10 inches, and the beams are supported by interior wood columns approximately 5¼ inches by 9 inches. The wood framing appears to be in good condition. I understand that the building had three additional floors at one time. The building framing is robust and typical of the 100+ year old commercial buildings on Commercial, Fore and Wharf Streets.

The required loading for this roof is 35 psf Snow Load, and I am assuming 20 psf for the Dead Load (roofing, sheathing, framing). The HVAC unit is a Coleman Model #DL-07N18ATAAA3 weighing approximately 1,000 pounds, and I am assuming 200# for curbing and fittings and 500# for ductwork. The unit is 6.7 feet by 4.2 feet, for a load at the area of the unit of 61 psf. The

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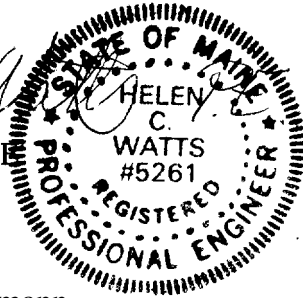
roof framing, including rafters, beams **and** columns, is adequate to support this load per square foot over the full length of the rafter.

This letter is a revision of a letter dated October 26, 2005, **as** the **HVAC** equipment to be installed has been revised and is heavier than that originally specified. Please call if there are further questions. Thank you for allowing Criterium - Mooney Engineers to help you.

Yours truly,



Helen C. Watts, P.E.
Project Engineer



HCW/

xc: **Mr.** Steve Baumann

H:\DATA\Projects\Proj05\Liquid Blue W A C ltr 2.doc

