

Commonwealth of Massachusetts

Sheet Metal Permit

Date: _____

Permit # _____

Estimated Job Cost: \$ _____

Permit Fee: \$ _____

Plans Submitted: YES ___ NO ___

Plans Reviewed: YES ___ NO ___

Business License # _____

Applicant License # _____

Business Information:

Property Owner / Job Location Information:

Name: _____

Name: _____

Street: _____

Street: _____

City/Town: _____

City/Town: _____

Telephone: _____

Telephone: _____

Photo I.D. required / Copy of Photo I.D. attached: YES ___ NO ___

Staff Initial

J-1 / M-1-unrestricted license

J-2 / M-2-restricted to dwellings 3-stories or less and commercial up to 10,000 sq. ft. / 2-stories or less

Residential: 1-2 family ___ Multi-family ___ Condo / Townhouses ___ Other ___

Commercial: Office ___ Retail ___ Industrial ___ Educational ___

Institutional ___ Other ___

Square Footage: under 10,000 sq. ft. ___ over 10,000 sq. ft. ___ Number of Stories: ___

Sheet metal work to be completed: New Work: ___ Renovation: ___

HVAC ___ Metal Watershed Roofing ___ Kitchen Exhaust System ___

Metal Chimney / Vents ___ Air Balancing ___

Provide detailed description of work to be done:

INSURANCE COVERAGE:

I have a current liability insurance policy or its equivalent which meets the requirements of M.G.L. Ch. 112 Yes No

If you have checked Yes, indicate the type of coverage by checking the appropriate box below:

A liability insurance policy Other type of indemnity Bond

OWNER'S INSURANCE WAIVER: I am aware that the licensee does not have the insurance coverage required by Chapter 112 of the Massachusetts General Laws, and that my signature on this permit application waives this requirement.

Check One Only

Owner Agent

Signature of Owner or Owner's Agent

By checking this box , I hereby certify that all of the details and information I have submitted (or entered) regarding this application are true and accurate to the best of my knowledge and that all sheet metal work and installations performed under the permit issued for this application will be in compliance with all pertinent provision of the Massachusetts Building Code and Chapter 112 of the General Laws.

Duct inspection required prior to insulation installation: YES _____ NO _____

Progress Inspections

Date

Comments

<u>Date</u>	<u>Comments</u>
_____	_____
_____	_____
_____	_____
_____	_____

Final Inspection

Date

Comments

<u>Date</u>	<u>Comments</u>
_____	_____

By _____ Title _____ City/Town _____ Permit # _____ Fee \$ _____ Inspector Signature of Permit Approval	Type of License: <input type="checkbox"/> Master <input type="checkbox"/> Master-Restricted <input type="checkbox"/> Journeyperson <input type="checkbox"/> Journeyperson-Restricted <input type="checkbox"/> _____	_____ Signature of Licensee License Number: _____ Check at www.mass.gov/dpl
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The Commonwealth of Massachusetts
 Department of Industrial Accidents
 1 Congress Street, Suite 100
 Boston, MA 02114-2017
 www.mass.gov/dia

Workers' Compensation Insurance Affidavit: Builders/Contractors/Electricians/Plumbers.
 TO BE FILED WITH THE PERMITTING AUTHORITY.

Applicant Information

Please Print Legibly

Name (Business/Organization/Individual): _____

Address: _____

City/State/Zip: _____ Phone #: _____

Are you an employer? Check the appropriate box:

- 1. I am an employer with _____ employees (full and/or part-time).*
- 2. I am a sole proprietor or partnership and have no employees working for me in any capacity. [No workers' comp. insurance required.]
- 3. I am a homeowner doing all work myself. [No workers' comp. insurance required.] †
- 4. I am a homeowner and will be hiring contractors to conduct all work on my property. I will ensure that all contractors either have workers' compensation insurance or are sole proprietors with no employees.
- 5. I am a general contractor and I have hired the sub-contractors listed on the attached sheet. These sub-contractors have employees and have workers' comp. insurance. ‡
- 6. We are a corporation and its officers have exercised their right of exemption per MGL c. 152, §1(4), and we have no employees. [No workers' comp. insurance required.]

Type of project (required):

- 7. New construction
- 8. Remodeling
- 9. Demolition
- 10. Building addition
- 11. Electrical repairs or additions
- 12. Plumbing repairs or additions
- 13. Roof repairs
- 14. Other _____

*Any applicant that checks box #1 must also fill out the section below showing their workers' compensation policy information.

† Homeowners who submit this affidavit indicating they are doing all work and then hire outside contractors must submit a new affidavit indicating such.

‡ Contractors that check this box must attach an additional sheet showing the name of the sub-contractors and state whether or not those entities have employees. If the sub-contractors have employees, they must provide their workers' comp. policy number.

I am an employer that is providing workers' compensation insurance for my employees. Below is the policy and job site information.

Insurance Company Name: _____

Policy # or Self-ins. Lic. #: _____ Expiration Date: _____

Job Site Address: _____ City/State/Zip: _____

Attach a copy of the workers' compensation policy declaration page (showing the policy number and expiration date).

Failure to secure coverage as required under MGL c. 152, §25A is a criminal violation punishable by a fine up to \$1,500.00 and/or one-year imprisonment, as well as civil penalties in the form of a STOP WORK ORDER and a fine of up to \$250.00 a day against the violator. A copy of this statement may be forwarded to the Office of Investigations of the DIA for insurance coverage verification.

I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct.

Signature: _____ Date: _____

Phone #: _____

Official use only. Do not write in this area, to be completed by city or town official.

City or Town: _____ Permit/License # _____

Issuing Authority (circle one):

- 1. Board of Health
- 2. Building Department
- 3. City/Town Clerk
- 4. Electrical Inspector
- 5. Plumbing Inspector
- 6. Other _____

Contact Person: _____ Phone #: _____



Residential Plans Examiner Review Form for HVAC System Design (Loads, Equipment, Ducts)

Town / City of _____

Contractor _____

Mechanical License # _____

Building Permit # _____ Zone # _____

Job Address (Street or Lot #, Block, Subdivision) _____

REQUIRED ATTACHMENTS

- Manual J1 Form (and supporting worksheets): Or
- MJ1AE Form (and supporting worksheets):
- OEM performance data (heating, cooling, blower):
- Manual D Friction Rate Worksheet:
- Duct distribution system sketch:

ATTACHED

- Yes No
- Yes No
- Yes No
- Yes No
- Yes No

HVAC LOAD CALCULATION (IRC M1401.3)

Design Conditions

Winter Design Conditions

Outdoor temperature _____ °F

Indoor temperature _____ °F

Total heat loss _____ Btu

Summer Design Conditions

Outdoor temperature _____ °F

Indoor temperature _____ °F

Grains difference _____ Δ Gr @ _____ % Rh

Sensible heat gain _____ Btu

Latent heat gain _____ Btu

Total heat gain _____ Btu

Building Construction Information

Building

Orientation (Front door faces) _____

North, East, West, South, Northeast, Northwest, Southeast, Southwest

Conditioned floor area _____ Sq Ft

Number of bedrooms _____

Number of Occupants _____

Envelope Tightness _____

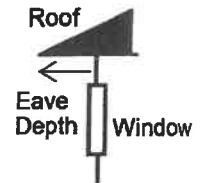
Windows

Eave overhang depth _____ Ft

Internal shade _____

Blinds, drapes, etc.

Number of skylights _____



HVAC EQUIPMENT SELECTION (IRC M1401.3)

Heating Equipment Data

Equipment type _____

Furnace, Heat pump, Boiler, etc.

Model _____

Heating output capacity _____ Btu

Heat pumps - capacity at winter design outdoor conditions

Auxilliary heat output capacity _____ Btu

SEER: _____ EER: _____

Cooling Equipment Data

Equipment type _____

Air Conditioner, Heat pump, etc.

Model _____

Sensible cooling capacity _____ Btu

Latent cooling capacity _____ Btu

Total cooling capacity _____ Btu

HSPF: _____ COP: _____ AFUE: _____

Blower Data

Heating CFM _____ CFM

Cooling CFM _____ CFM

HVAC DUCT DISTRIBUTION SYSTEM DESIGN (IRC M1601.1)

Design airflow _____ CFM

External Static Pressure (ESP) _____ IWC

Component Pressure Losses (CPL) _____ IWC

Available Static Pressure (ASP) _____ IWC

ASP = ESP - CPL

Longest supply duct: _____ Ft

Longest return duct: _____ Ft

Total Effective Length (TEL) _____ Ft

Friction Rate: _____ IWC

Friction Rate = (ASP x 100) / TEL

Duct Materials Used (circle)

Trunk Duct: Duct board, Flex, Sheet metal, Lined sheet metal, Other (specify) _____

Branch Duct: Duct board, Flex, Sheet metal, Lined sheet metal, Other (specify) _____

I declare the load calculations, equipment selection, and duct system design were rigorously performed based on the building plan listed above. I understand the claims made on these forms will be subject to review and verification.

Contractor's Printed Name _____ Date _____

Contractor's Signature _____

Note: One form is required for each zone.