

Town of Bridgewater

Application for Mechanical Permit

Academy Building- 66 Central Square, Bridgewater, MA 02324

Phone: 508-697-0904 Fax: 508-697-0940

Mechanical Permits are inspected by the Building inspector.

FEE: is 2% of the value of the work. Minimum fee \$ 50.00

Date: _____ Is this application in conjunction with a building permit? **Yes** ___ **No** ___

Property Address: _____ Owner's Name: _____

Assessors Map # _____ Lot # _____ Type of Occupancy: _____

New: _____ Renovation: _____ Replacement: _____ Plans Submitted: Yes _____ No _____

Installing Company Name: _____

Company Street Address: _____ City: _____ Zip: _____

Company Phone Number: _____ **Estimated Cost: \$** _____

Indicate total number of units in the applicable box below

	Basement	1 st Floor	2 nd Floor	3 rd Floor	Roof *	Ground *		Basement	1 st Floor	2 nd Floor	3 rd Floor	Roof *	Ground *
Air Handling Units							Metal Chimneys						
Boilers/Furnaces							OXY Systems						
Central Air conditioner							Pool Heater						
Chimney Liner							Process Piping						
Comp Air Ppg							Power Vents						
Dryer Exhaust							Radiant Heat						
Draft Inducers							Range Hoods						
Evaporative Coolers							Roof Top Units						
Fire Suppression							Sprinkler Conn.						
Generators							Sprinkler Heads						
Heat Pumps							Sprinkler Hose Con						
HVAC							Vent Ducts						
Hydro Air Systems							Ventilation Fans						
Incinerators													
Kitchen Equipment													
Medical Gas													

*****Electrical wiring will require an Electrical Permit, Regardless of who is legally authorized to do the wiring*** Also pull all other required permits from *Fire Dept, Plumbing Dept.******

Describe Project: *NOTE: If any equipment is being placed outside of the footprint of the building, Indicate setbacks to the property line. A land survey may be required. Roof Top units may require a Structural Engineers review. Equipment that is visible from a public way and within a Historic District will require prior approval of the Historic District Commission. All equipment is subject to Bridgewater's Noise By-Law.

Insurance Coverage:

I have a current Insurance policy or its substantial equivalent which meets the requirements of MGL Ch. 142: Yes___ No___

If you have checked YES Please indicate the type of coverage by checking the appropriate Box:

A Liability Insurance Policy ___ Other type of Indemnity___ Bond___

Worker's Compensation Insurance Affidavit required for all Mechanical Submissions

Owners Insurance Waiver: I am Aware that the Licensee does not have the insurance coverage required by Chapter 142 of the Mass. General Laws. And that my signature on this permit application waives this requirement.

Please check one:

Owner: _____ Agent: _____

Signature of owner or owner's agent

I certify that I have the authority to make the foregoing application and that all of the information I have submitted (or entered) in the above application is true and accurate to the best of my knowledge, information and belief, and that all mechanical work and installations performed under this permit issued for this application will be in compliance with all pertinent provisions of the Massachusetts State Building Code, The International Mechanical Code and all the laws/by-laws/regulations of the Town of Bridgewater:

Installer's Signature:

Print Name:

Type of License : Master___ Journeyman___ License Number_____

For Office Use Only

Insurance on File	Permit Fee	Receipt Number	Permit Number
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Permit approved by: _____ **Date:** _____

Miscellaneous Building Code Requirements

IECC 403.3 Mechanical system piping insulation(Mandatory) Mechanical system piping capable of carrying fluids above 105* F (41* C) or below 55* (13* C) shall be insulated to a minimum of R-3.

MSBC 780 CMR 6305.1 New appliances must have 30" access area on the control side or meet the manufacturer's instructions.

MSBC 780 CMR3614.10.1.1 & 2.1 Requires that new installations in an attic or crawl space be provided with an electrical outlet and a light.

MSBC 780 CMR 5502.8 & 5602.6 Cutting and notching must be in compliance with this section of the building code.

MSBC 780 C MR 5602.8 & 717.0 Fire stopping in ceiling and floor openings at vent pipes, chimneys at ceiling and floor levels with approved non combustible materials.

MSBC 780 CMR 6803.3.4 Chimney and Vent connector clearances to combustibles or manufacturer's listed clearances to combustibles.

IECC 403.2.2 Duct Sealing (Mandatory) All ducts, Air handlers, filter boxes and building cavities used as ducts shall be sealed. Closure systems shall comply with UL181A. All tape shall be labeled with the proper UL181 Listing for the application.

IECC 403.2.1 Supply ducts in attics shall be insulated to a minimum of R-8. All other ducts shall be insulated to a minimum of R-6

IECC 403.2.3 Building Cavities (Mandatory) Building framing cavities shall not be used as supply ducts.

IECC 403.5 Mechanical Ventilation (Mandatory) Outdoor air intakes and exhaust shall have automatic or gravity dampers that close when the ventilation system is not in use

IECC 403.2.2 Duct tightness shall be verified by either of the following: (Mandatory)

- 1) **Post construction test:** Leakage to outdoors shall be less or equal to 8cfm (226.5 L/min) per 100 ft² (9.29 m²) of *conditioned floor area* or a total leakage less than or equal to 12 cfm (12L/min) per 100 ft² (9.29 m²) of *conditioned floor area* when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.

- 2) **Rough – in Test:** Total leakage shall be less than or equal to 6 cfm (169.9 L/min) per 100 ft² (9.29 m²) of *conditioned floor area* when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the roughed in system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test, total leakage shall be less than or equal to 4 cfm (113.3 L/min) per 100 ft² (9.29 m²) of *the conditioned floor area*.

Exceptions:

- A) Duct tightness test is not required if the air handler and all ducts are located within *conditioned space*.
- B) The duct testing is *ONLY* required when a system or any ductwork is in the attic.