

## Commonwealth of Massachusetts Sheet Metal Permit



Date:	Permit #
Estimated Job Cost: \$	Permit Fee: \$
Plans Submitted: YESNO_	Plans Reviewed: YESNO
Business License #	Applicant License #
Business Information:	Property Owner / Job Location Information:
Name:	Name:
	Street:
City/Town:	City/Town:
Telephone:	Telephone:
Photo I.D. required / Copy of Pho	oto I.D. attached: YES NO
J-1 / M-1-unrestricted license	Staff Initial
J-2 / M-2-restricted to dwellings 3-si	tories or less and commercial up to 10,000 sq. ft. / 2-stories or le
Residential: 1-2 family Mul	lti-family Condo / Townhouses Other
	Retail Industrial Educational
Samona E-1/	tutional Other
	ft over 10,000 sq. ft <b>Number of Stories:</b>
Sheet metal work to be completed:	New Work: Renovation:
HVAC Metal Wate	ershed Roofing Kitchen Exhaust System
	Vents Air Balancing
Provide detailed description of wor	rk to be done: Attach drawings if applicable
· .	
	• •

INSURANCE COVERAGE:							
I have a <u>current liability</u> insurance p	olicy or its equivalent which meet	s the requirements of M.G.L. Ch. 112 Yes 🔲 🔲					
If you have checked Yes indicate th	e type of coverage by checking the	e appropriate box below:					
A liability insurance policy	Other type of indemn	ity Bond					
OWNER'S INSURANCE WAIVER: I am Massachusetts General Laws, and t	n aware that the licensee <u>does not h</u> that my signature on this permit ap	ave the insurance coverage required by Chapter 112 of the plication waives this requirement.					
	<u>.</u>	Check One Only					
Signature of Owner or Owner's Agent		Owner Agent					
and accurate to the best of my knowled	edge and that all sheet metal work a	have submitted (or entered) regarding this application are true nd installations performed under the permit issued for this etts Building Code and Chapter 112 of the General Laws.					
Duct inspecti	on required prior to insulation	installation: YESNO					
	Progress Inspe	etions					
Date	Comments						
	Final Inspect	<del>ion</del>					
		•					
	. •						
Ву	Type of License:						
Title City/Town Sturbridge	☐ Master						
Permit#	☐ Master-Restricted	Signature of Licensee					
Fees	☐ Journeyperson	The area at a second and					
Residential \$50.00	☐ Journeyperson-Restricted	License Number					
Commercial \$75,00		Check at www.mass.gov/dpl					
Inspector Signature of Permit Approval							



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

Town / City of \_\_\_\_\_

Contractor		<u>.</u>		TTACHMENTS orm (and supp	orlina wo	rksheets): Or	ATTACHED Yes No
Mechanical License #		· · · · · · · · · · · · · · · · · · ·	MJ1AE Form OEM perforn	n (and supportionance data (he	ng worksl ating, co	heets):	Yes No
Building Permit#	Zone #	<b>₫</b> .		iction Rate Wo tion system sk		į.	Yes No
Job Address (Street or Lot #, Blo	– ock, Subdivision				•		
HVAC LOAD CALCULATIO	N (IRC M1401	8)					
	mad J		Building	Construct	ion Info	ormation	
Winter Design Conditions		J	Bulldi	ng			
Outdoor temperature	°F		Orienta	ation (Front do	or faces)		
Indoor temperature	°F		Nort	h, East, West, Sou	ih, Northeas	st, Northwest, Southea	st, Southwest
Total heat loss	Btu		Condit	ioned floor are	a	Sq Ft	
Summer Design Conditions			Numbe	er of bedrooms	<b>5</b>		
Outdoor temperature	°F		Numbe	er of Occupant	s		
Indoor temperature	°F		Envelo	pe Tightness		<del></del>	
•	. Gr @	% Rh	Windo	ows		6	nnt =
Sensible heat gain	Btu	- 70 FAII	Eave of	overhang depti	1	Ft .	oof
Latent heat gain	Btu			al shade		Ea	
Total heat gain	Btu		Bline	is, drapes, etc.	···· · · · · · · · · · · · · · · · · ·		pth Window
i otal from guili			Numb	er of skylights	<del></del>	·	
HVACEQUIPMENT SELE	CTION (IRCA	11401,3)			(		8/2
Heating Equipment Data ( MW	Avau S)	Cooling Ed	quipment Data			Blower Data	
Equipment type		Equipmer	nt type			Heating CFM	CFM
Furnace, Heat pump, Boiler, etc.		Air Cond	illoner, Heal pump, e	elc,		Cooling CFM	CFM
Model		Model	<del></del>				
Heating output capacity	Btu	Sensible	cooling capacity		Btu		
Heat pumps - capacity at winter design of	outdoor conditions	Latent co	oling capacity		Btu		
Auxilliary heat output capacity	Btu	Total cool	ling capacity		Btu		
SEER: EEF	R:	HSPF:		COP:		AFUE:	•
HVAC DUCT DISTRIBUTIO	ON SYSTEM	DESIGN (I	RC M1601.1)	Sec. and to part			
Design airflow (WAWALP)	CFM	Longest supply	r duct-	Ft	Duct Ma	terials Used (circle	)
External Static Pressure (ESP)	IWC	Longest return		'	Trunk Du	ict: Duct board, Fle	x, Sheet metal, tal, Other (specify)
		_01180011014111				Emilia dilottimo	tal, Galor (openity)
Component Pressure Losses (CPL)	IWC	Total Effective	: Lenath (TEL)	Ft			
Component Pressure Losses (CPL)  Available Static Pressure (ASP)	<del></del>	Total Effective	ELength (TEL)	Ft IWC	Branch E	Duct: Duct board, Fl Lined sheet m	ex, Sheet metal, etal, Other (specify)
Available Static Pressure (ASP)  ASP = ESP - CPL	<del></del>	Friction Rate:	(ASP x 100) / TEL	Ft IWC	Branch E		
Available Static Pressure (ASP)  ASP = ESP - CPL  I declare the load calculations, equip	IWC ment selection, a	Friction Rate: Friction Rate = nd:duct system	(ASP x 100) / TEL vdesign were rig	IWC		Lined sheet m	etal, Other (specify)
Available Static Pressure (ASP)  ASP = ESP - CPL	IWC ment selection, a	Friction Rate: Friction Rate = nd:duct system	(ASP x 100) / TEL vdesign were rig	IWC		Lined sheet m	etal, Other (specify)
Available Static Pressure (ASP)  ASP = ESP - CPL  I declare the load calculations, equip	IWC ment selection, a	Friction Rate: Friction Rate = nd:duct system	(ASP x 100) / TEL vdesign were rig	IWC		Lined sheet m	etal, Other (specify)

Note: One form is required for each zone.