

## Residential HVAC/Gas Plan Approval Application Champaign County Building Regulations

Address of Project		City/Township		Project Description	
Owner		Address		Phone No	Cell Phone No
				( )	( )
				E-mail:	
Contractor/DBA		Address		Phone No	Cell Phone No
				( )	( )
				E-mail:	
<b>HVAC/Gas Line Design</b>					
Equipment Type/ Size		Location of Equipment		Type of Fuel	
				Heat Loss/Gain	
Heat Loss/Heat Gain Calculations (USE BELOW SPACE)				Drawings Have Been Submitted with Building Plans?	
				<input type="checkbox"/> Yes	* If no, drawings or system description must be submitted below or with Application
<input type="checkbox"/> No*					

**Note: Gas line submittals require schematic designs and details.**

As the legal owner/agent of the property above, I am performing the HVAC work described above:

\_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_  
Applicant/Owner/Agent

Application Fee \$40.40	<input type="checkbox"/>	Work W/out Permit \$200.00	<input type="checkbox"/>	Application No. _____
Application fee must accompany application or application will not be processed or accepted. If paying by credit card please put address of project in the account number on the form.				Plans Examiner Approval
				<input type="checkbox"/> Yes <input type="checkbox"/> No Plan Reviewer _____
Date of Review			__/__/__	Plan Approval No. _____

# Residential Plan Submittal Form *Part B*

## General instructions

- The plan submittal form must be filled out completely. If this form is not completed accurately and thoroughly the application may be rejected.
- All applications must have a system description or plan included, no exceptions.
- If the HVAC/Gas drawings have been submitted with the building plans, please indicate on the application.
- Per section 106.1 the Residential Building Official may require additional drawings, technical data or documentation in order to verify compliance.
- A registered HVAC contractor with Champaign County Building Regulations Department or homeowner must perform HVAC work.
- Homeowner/occupant definition: individual that owns and occupies the dwelling where work is to be performed for at least one year.
- Minimum fee \$85.00

## For more information or questions:

Champaign County Building Regulations  
1512 S. Hwy 68 Bay 13  
Urbana, Ohio 43078  
(937) 484-1602  
(937) 484-1591 fax

Dana R. Booghier CBO, Director

## COMMON REFERENCED MECHANICAL CODE TEXT

**M1401.1** Heating and cooling equipment and appliances shall be installed in accordance with manufacturer's installation instructions and the requirements of the Residential Code.

### Sizing

**M1601.1** Heating and cooling equipment and appliances shall be installed in accordance with ACCA Manual D or other approved heating and cooling calculation methodologies.

**Gages of Metal Ducts & Plenums Used for Heating/Cooling**

Types of Ducts	Size (inches)	Minimum Thickness (inch)	Equiv. Galvanized Sheet Gage	Approx. Aluminum B & S Gage
Rounded Ducts & Enclosed Rectangle	14 or less	0.013	30	26
	over 14	0.016	28	24
Exposed Rectangle Ducts	14 or less	0.016	28	24
	over 14	0.019	26	22

### Access & Installation

**M1401.2** Heating and cooling equipment shall be located with respect to building construction and other equipment to permit maintenance, servicing and replacement. Clearances shall be maintained to permit cleaning of heating and cooling surfaces; replacement of filters, blowers, motors, controls and vent connections; lubrication of moving parts; and adjustments.

**M1601.3.2.** Metal ducts shall be supported by 0.5-inch (12.7 mm) wide 18-gage metal straps or 12 –gage galvanized wire at intervals not exceeding 10 feet (3048 mm) or other approved means. Nonmetallic ducts shall be supported in accordance with manufacturer's installation instructions.

**M1801.1** Venting requirements. Gas fired appliance shall be vented in accordance with Chapter 24 (Fuel Gas). Sizing of category 1 appliance must submit table used and connector/vent size.

**All equipment installed must comply with the 2006 International Energy Conservation Code**

**DISCLAIMER: THE ABOVE COMMON REFERENCED CODE ITEMS IS NOT AN EXHAUSTIVE LIST AND IS INTENDED TO HELP THE APPLICANT WITH COMMON CODE QUESTIONS. IT IS THE APPLICANTS RESPONSIBILITY TO KNOW AN UNDERSTAND AND ALL APPLICABLE CODE REQUIREMENTS.**

8/2010