

Ohio Residential Plan Submittal Form (HVAC) 2/11/13

Address of Project		City/Township		Project Description	
Contractor/DBA		Address		State License No	Phone No
Owner		Address		Phone No	
HVAC Design					
Equipment Type / Size		Location of Equipment		Type of fuel	Furnace Efficiency

Provide additional details or drawings below

First Floor Plan

HVAC Design			
Equipment Type / Size		Location of Equipment	
Type of Fuel		Fuel Efficiency	

Provide additional details or drawings below

Second Floor Plan

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

_____ Date ___/___/___

NOTE: Per section 106.1 the Residential Building Official may require additional drawings, technical data or documentation in order to verify compliance.

Building Department Only

Residential Plans Examiner/Building Official	Date of Approval	Application/Permit No

Ohio Residential Plan Submittal Form

Referenced Code Text

HVAC

Includes: Heating, Cooling, Ventilation, Exhaust, Prefabricated Fireplaces, Gas piping, Water Heaters, Ranges and Ovens.

1302.1 All Appliances regulated by the Residential Code of Ohio shall be listed and labeled.

1305.1.3 Appliances in attics require an opening size minimum 22in x 30in with an unobstructed 22in x 30in passageway with solid flooring leading to the service area of the appliance which needs to be 30in x 30in x 30in high min. A luminaire controlled by a switch and a receptacle at the appliance is required.

1305.1.4 Appliances under floors shall be provided with an unobstructed passageway and an opening 22in x 30in. A luminaire controlled by a switch and a receptacle at the appliance is required

1601.3.2 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.

1103.2.1 Duct Insulation Supply ducts in attics shall be insulated to a minimum of R-8. Any other duct outside of the thermal building envelope shall be insulated to a minimum R-6

1103.2.2 Duct Sealing Ducts, Air Handlers, Filter boxes, and bldg cavities used as ducts shall be sealed. Duct tightness shall be verified by testing.

1103.5 Mechanical Ventilation Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not working.

Prefabricated fireplaces, Water Heaters, Ranges/Ovens Shall be installed and inspected as required in the manufacturers installation instructions.

Gas Piping will be sized in accordance with the appliance BTU rating, length of run, type and diameter of pipe, along with supply pressure. A pressure test shall be performed in the presence of the inspector to verify that there are no leaks in the system.

1401.1 Heating and cooling equipment and appliances shall be installed in accordance with the manufacturer's installation instructions and the requirement's of the Residential Code.

1401.2 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

1401.3 Heating and Cooling equipment shall be sized in accordance with ACCA manual S in accordance with ACCA manual J. ACCA manual D should be used for duct sizing.

1411.3 Condensate disposal shall be conveyed to an approved place of disposal. A secondary drain or an auxiliary drain pan shall be required where damage to the building will occur as a result of overflow.

1502 Clothes Dryer Exhaust shall be exhausted to the outdoors, ducts shall be supported every 4ft, the max. length shall be 25ft (or longer if the manufacturer allows). If the length exceeds 25ft (and is concealed within the building construction) the equivalent length shall be identified on a permanent label that shall be located within 6ft of the exhaust duct connection or on the electric panel.

1503 Range Hood Exhaust the exhaust duct needs to be sealed airtight and exhausted to the outdoors. The minimum exhaust rate is 100 cfm intermittent or 25 cfm continuous.

1503.4 Make Up Air Exhaust hood systems shall be provided with makeup air as required

1507.2 Recirculation of Air Exhaust air from bath rooms shall be exhausted to the outdoors.

1507.3 Bath Exhaust The minimum required mechanical exhaust rate for a bathroom or toilet room is 50 cfm intermittent or 20 cfm continuous.