

RESIDENTIAL ELECTRIC PLAN SUBMITTAL, PART B

General information:

- 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 electrical drawings have been submitted with the building plans, please indicate so on the reverse side of this application.
- Per Section 106.1, the Residential Building Official may require additional drawings, technical data or documentation in order to verify compliance.
- A registered electrical contractor with the Eaton Inspection & Zoning Office or homeowner & occupant of this dwelling may perform the electrical work.
- Homeowner/occupant definition: Individual who owns and occupies the dwelling where the work is performed for at least one (1) year.

For more information or questions:

Eaton Inspection & Zoning Office
328 North Maple Street,
Eaton, OH 45320-0027
937-456-7155 (phone)
937-472-5681 (fax)
ebd@cityofeaton.org

COMMON REFERENCED MECHANICAL TEXT

1401.1 Heating and cooling equipment and appliances shall be installed in accordance with manufacturer’s installation instruction and the requirements of the Residential Code of Ohio.

Sizing

1601 Heating and cooling equipment and appliances shall be installed in accordance with ACCA Manual D or other approved methods.

Gages of Metal Ducts & Plenums Used for Heating or Cooling

Types of Ducts	Size (inches)	Galvanized Min. Thickness (inches)	Equiv. Galvanized Sheet Gage	Aluminum Min. Thickness (inches)
Rounded & Enclosed Rectangle Ducts	14 or less	0.0127	30	0.0175
	16 and 18	0.0187	26	0.018
	20 and over	0.0236	24	0.023
Exposed Rectangle Ducts	14 or less	0.0157	28	0.0175
	over 14	0.0187	26	0.018

Access & Installation

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.

1601.4.3 Metal ducts shall be supported by .05-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.

1801.1 Venting requirements. Gas-fired appliances shall be vented in accordance with Chapter 24 (Fuel Gas). Sizing of category 1 appliances must submit table used and connector/vent size.

All equipment installed must comply with Chapter 11 ‘Energy Efficiency’ of the Residential Code of Ohio.

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