

INDEX (Complete and submit w/drawings)		Residential Code of Ohio Construction Document Requirements RCO Section 106.1.1, construction documents are required to include the following information:	Wayne County Building Dept. 428 West Liberty St. Wooster, Ohio 44691 Ph: 330-287-5525 Fax: 330-287-5649
Page #	Description	<ul style="list-style-type: none"> Index Site Plan Floor Plans Exterior Elevations Wall Sections Structural Description Fire-Resistant Ratings Electrical Plans Mechanical Plans 	<i>This document shall be included with the construction documents submitted and made a part thereof.</i>
	Site Plan		
	Foundation		
	Elevations		
	1 st Floor		
	2 nd Floor		
	Wall Section		
	Electrical (See Below)		
	Mechanical (See Below)		
	Plumbing (See Below)		

<p style="text-align: center;">ELECTRICAL</p> <p>NEC 110.3 All electrical equipment shall be installed and used in accordance with the listing requirements and manufacturer's instructions.</p> <p style="text-align: center;">Service</p> <p>Size of Service in Amperes: (Check one below)</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width: 5%;"></th> <th style="width: 15%;">Copper</th> <th style="width: 15%;">Aluminum</th> <th style="width: 15%;">Service Rating</th> <th rowspan="4" style="width: 50%; font-size: small;"> NEC 310.15 Conductor Sizes 120/240 VOLT 3-Wire, Single-Phase, Dwelling Services/Feeders </th> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">4 AWG</td> <td style="text-align: center;">2 AWG</td> <td style="text-align: center;">100 Amps</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">1 AWG</td> <td style="text-align: center;">2/0 AWG</td> <td style="text-align: center;">150 Amps</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;">2/0</td> <td style="text-align: center;">4/0 AWG</td> <td style="text-align: center;">200 Amps</td> </tr> </table> <p>NEC 250.50 All grounding electrodes that are present at each building or structure served shall be bonded together to form the grounding electrode system. Conductor size per NEC 250.66. NEC 250.52 Permitted Electrodes include: 1. Metal underground water pipe in direct contact with earth for 10 feet or more 2. Metal frame of the building 3. Concrete-encased electrode 4. Rod, pipe & plate electrodes</p> <p style="text-align: center;">General Circuitry</p> <p>NEC 210.11 and 422.12 In addition to the branch circuits installed to supply general illumination and receptacle outlets in dwelling units, the following minimum requirements apply: Two 20-amp circuits for the kitchen receptacles, One 20-amp circuit for the laundry receptacles, One 20-amp circuit for the bathroom receptacles and One separate, individual branch circuit for central heating equipment</p> <p>NEC 210.52 Receptacles installed in the kitchen to serve countertop surfaces shall be supplied by not less than two separate small appliance branch circuits.</p> <p>NEC 210.52 Generally, receptacle outlets in habitable rooms shall be installed so that no point measured horizontally along the floor line in any wall space is more than 6' from a receptacle outlet. A receptacle shall be installed in each wall space 2 feet or more in width.</p> <p>NEC 210.52 At kitchen countertops, receptacle outlets shall be installed so that no point along the wall line is more than 24 inch measured horizontally from a receptacle outlet in that space. Countertop spaces separated by range tops, sinks or refrigerators are separate spaces.</p> <p>NEC 210.52 & 406.8 At least one receptacle, accessible at grade level and no more than 6.5' above grade, shall be installed at the front and back of a dwelling</p> <p>NEC 210.12 All 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed arc-fault circuit interrupter, combination-type, installed to provide protection of the branch circuit.</p> <p>NEC 210.8 Ground-fault circuit-interrupter (GFCI) protection shall be provided for all 125-volt, 15 and 20 amp receptacle outlets installed outdoors, in boathouses, garages, unfinished accessory buildings, crawl spaces at or below grade level, unfinished basements, bathrooms, at kitchen countertops and within 6' of the outside edge of the sink in laundry rooms, utility rooms, and at wet-bars.</p>		Copper	Aluminum	Service Rating	NEC 310.15 Conductor Sizes 120/240 VOLT 3-Wire, Single-Phase, Dwelling Services/Feeders	<input type="checkbox"/>	4 AWG	2 AWG	100 Amps	<input type="checkbox"/>	1 AWG	2/0 AWG	150 Amps	<input type="checkbox"/>	2/0	4/0 AWG	200 Amps	<p style="text-align: center;">MECHANICAL</p> <p>M1401.1 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.</p> <p style="text-align: center;">Sizing</p> <p>M1401.3 Heating and cooling equipment shall be sized based on building loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies.</p> <p style="text-align: center;">HVAC Design</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width: 70%;">Equipment Type/Size:</td><td> </td></tr> <tr><td>Sq. Ft. of Conditioned Space:</td><td> </td></tr> <tr><td>Location of Equipment:</td><td> </td></tr> <tr><td>Duct Size (Supply/Return):</td><td> </td></tr> <tr><td>Type of Fuel:</td><td> </td></tr> <tr><td>Equipment Efficiency Ratings:</td><td> </td></tr> </table> <p style="text-align: center;">Access & Installation</p> <p>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</p> <p>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.</p> <p>M1401.4 Equipment installed outdoors shall be listed and labeled for outdoor installation.. Supports and foundations shall prevent excessive vibration, settlement or movement of equipment. Supports and foundations shall be level and conform to manufacturer's installation instructions.</p> <p style="text-align: center;">2006 Residential Code of Ohio Energy Code Requirements</p> <p>New section 1101.2 of the Residential Code of Ohio (RCO) provides several different methods to demonstrate energy code compliance for 1-, 2-, and 3-family residential dwellings. Please check the applicable design method chosen below:</p> <p>Compliance with the 2006 IECC:</p> <p><input type="checkbox"/> Prescriptive option Table 402.1.1</p> <p><input type="checkbox"/> Total UA option section 402.1.4</p> <p><input type="checkbox"/> Performance option Section 404</p> <p>Compliance with Chapter 11 of the RCO:</p> <p><input type="checkbox"/> RCO sections 1101-1103 (which contains a prescriptive option (Table 1102.1)</p> <p><input type="checkbox"/> Total UA option section 1102.1.3</p> <p><input type="checkbox"/> Compliance with the RCO Ohio Prescriptive package found in section 1104.</p> <p style="text-align: center;">Plumbing</p> <p>Provide layout of plumbing fixtures on floor plan. Plumbing permit required through the Wayne County Health Department</p>	Equipment Type/Size:		Sq. Ft. of Conditioned Space:		Location of Equipment:		Duct Size (Supply/Return):		Type of Fuel:		Equipment Efficiency Ratings:	
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I hereby do certify that all information given above is correct and accurate and has been included as part of the submitted plans.

PRINTED NAME (Owner/Applicant)

SIGNATURE

TITLE

DATE