

Clark County Community Development

3130 E. Main Street, Suite 1A, Springfield, OH 45505
 (937) 521-2160/(937) 328-2621 Fax
 Thomas A. Hale, CBO, RBO, Director

Residential Electrical Plan Approval Application

Address of Project	City/Township/Zip	Project Description	
Property owner	Address/State/Zip	Phone No ()	Cell Phone No ()
		E-mail	
Contractor/DBA	Address/State/Zip	Phone No ()	Cell Phone No ()
		E-mail :	

Electrical Design

Service Size	Panel Location in dwelling	Size of Service Entrance Cable	<input type="checkbox"/> Overhead
			<input type="checkbox"/> Underground
Estimated Fault Current at Service Line Terminals		Attach Panel Schedule and Service Diagram	

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

_____ **Date** ___ / ___ / ___ **Ohio Edison Notification #** _____
Applicant/Owner/Agent Signature

This is the Certificate of Plan Approval- Please post on Jobsite

Office Use Only

Application Fee \$40.00 <input type="checkbox"/>	Work W/out Permit \$200.00 <input type="checkbox"/>	Application No. _____
Services:	State Assessment Fee 1% \$ _____	
100 amp or Less \$5.00 <input type="checkbox"/>	Plan Review Fee \$20.00 <input type="checkbox"/>	
101-200 \$6.00 <input type="checkbox"/>	Total of All Fees \$ _____	
201-400 \$7.00 <input type="checkbox"/>	Residential Plans Examiner	
401-600 \$8.00 <input type="checkbox"/>	_____	
601 and over \$9.00 <input type="checkbox"/>	Date of Review ___ / ___ / ___	
Swimming Pool \$5.00 <input type="checkbox"/>		
Temp Pole \$5.00 <input type="checkbox"/>		
Field Inspection \$45.00 <input checked="" type="checkbox"/>		

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 electrical drawings have been submitted with the building plans, please indicate so on the application.
- This application may be faxed or e-mailed to our office at anytime. Once the application is approved the clerical staff will call the applicant (one call only) indicating approval and total cost of permit. It is the applicant's responsibility to check periodically on the status of this application. Since technology can have "glitches" it is a good idea to make sure we have received this application.
- Per section 106.1 the Residential Building Official may require additional drawings, technical data or documentation in order to verify compliance.

For more information or questions:

Clark County Community Development
Springview Government Center
3130 E. Main St., Suite 1A
Springfield, OH 45505
937-521-2160
937-328-2621 fax

Thomas A. Hale, Director
thale@clarkcountyohio.gov
General E-mail: communitydevelopment@clarkcountyohio.gov
Website: www.clarkcountyohio.gov/communitydevelopment

Office Hours:
8:00am to 5:00pm Monday
Through Friday

Common Referenced Electrical Code Text

NEC 110.3 All electrical equipment shall be installed and used in accordance with the listing requirements and manufacturer's instructions.

Service

Size of Service in Amperes:

Copper	Aluminum	Service Rating	NEC 310-15 Conductor Sizes 120/240 VOLT 3-Wire, Single- Phase, Dwelling Services/Feeders
4 AWG	2 AWG	100 Amps	
1 AWG	2/0 AWG	150 Amps	
2/0 AWG	4/0 AWG	200 Amps	

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

General Circuitry

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

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.

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. **A receptacle is required for a counter space 12 inches or greater.**

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.

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

NEC 210.12 All branch circuits supplying 125-volt, 15 and 20 ampere outlets in dwelling unit bedrooms shall be protected by a listed arc-fault circuit interrupter device. **This includes switches, receptacles, and smoke detectors. Smoke Alarms must comply to section R313.1 of the 2006 Ohio Residential Code. Must be located inside and directly outside of each sleeping room.**

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.

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 ALL APPLICABLE CODE REQUIREMENTS.