



## Department of Building Safety

101 4<sup>th</sup> St E, Hastings, MN 55033

Phone: 651-480-2342

Email: [Building@Hastingsmn.gov](mailto:Building@Hastingsmn.gov)

[www.hastingsmn.gov](http://www.hastingsmn.gov)

### Electrical

*This handout is a compilation of some of the standard requirements based on the State Building Code and City Ordinance for projects of this type. This information packet does not contain all the specific codes for construction and should only be used as a guide. The permittee is responsible to meet all code requirements applicable to each project.*

#### **Submittals:**

- ☐ Permit application- Electrical

#### **Typical inspections:**

- ☐ Electrical Rough-in
- ☐ Electrical Final

To schedule electrical inspections, contact  
McMullen Inspecting at  
[www.McMullenInspecting.com](http://www.McMullenInspecting.com) or  
(612)866-1979 Office Hours M-F 7am-8:30 am

- For typical residential electrical code requirements please review MN DLI handout at [https://www.dli.mn.gov/sites/default/files/pdf/eli\\_inspection\\_checklist2.pdf](https://www.dli.mn.gov/sites/default/files/pdf/eli_inspection_checklist2.pdf)
- All work must be inspected prior to being covered.
- Minimum permit fee is a one trip inspection.
- Total permit fee is calculated by adding the fees on the application or by \$75 multiplied by the number of required inspection trips, whichever is greater.

#### **Rough-In Inspection**

This inspection must be done before any wiring is covered by insulation, sheetrock, paneling, etc. Underground wiring must be inspected before the trench is covered.

- At all boxes, there must be minimum wire length of six inches including the grounding conductors.
- The outer cable jacket must extend at least ¼" into the box.
- All splicing of ground wires and other wires must be completed with approved splicing devices when calling for inspection.
- In receptacle boxes with more than one cable in the box, the ground wires must be spliced with a wire tail to be attached to the ground screw on the receptacle or switch, as only one conductor is permitted under a terminal screw.
- All metal boxes and equipment must be grounded.

- The volume of boxes must be sufficient for the number of conductors and other items contained in the Box. (See NEC art. 314-16 for box sizing)
- Do not install junction boxes in attic or conceal them in walls.
- All junctions and splices should be made in boxes that are used for fixtures, switches, or receptacles. If a regular box is too small, use a larger volume box. (See NEC 314-16)
- Plastic cable must be stapled at intervals not exceeding 4 & ½', and within 8" of plastic boxes.
- Plastic cable must not be installed within 1 & ¼" of the face of studs, joists, strips, or any framing members. This applies to cables installed through bored holes or cables strapped to the sides of studs or strips. Cables closer than 1 & ¼" must be protected with metal plates or sleeve a minimum of 1/16" thick.
- Outlet boxes may not be used as sole support of ceiling fans. Special approved fan boxes should be used for support of ceiling fans.
- Ground fault circuit interrupters must be used for receptacles located in bathrooms, garages, outside locations, within 6' of kitchen or bar type sinks, and unfinished areas of basements. (see NEC 210-8 for further details of GFI protection requirements)
- Recessed lighting fixtures installed in insulated areas must be IC rated. All recessed lighting fixtures must be installed as per the manufactures instructions. (Some are not approved for wiring with plastic cable.)
- See NEC 201.12 for required use of ARC/Fault protection.
- See NEC 406.12 for required use of tamper resistant receptacles

### Final Inspection

The law requires that the final inspection be made on wiring for all new homes, additions, and remodeling. It is unlawful to occupy a new home before all wiring is completed, inspected and approved.

It is the responsibility of the permit holder to call for the final inspection when all devices and fixtures have been installed, and wiring is entirely completed including the cover plates.



**Department of Building Safety**  
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[www.hastingsmn.gov](http://www.hastingsmn.gov)

## Electrical Permit Application

Site Address: \_\_\_\_\_

Contractor: \_\_\_\_\_

Owner Name: \_\_\_\_\_

Address: \_\_\_\_\_

Address: \_\_\_\_\_

City/State: \_\_\_\_\_ Zip: \_\_\_\_\_

City/State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Contractor License No: \_\_\_\_\_

Class of Work (check one): ☐ Residential ☐ Commercial

**Description of Work:** \_\_\_\_\_

NOTE: Permits expire (12) months from filing date. Work must be completed within that time period or submit a new permit and fees to finish the incomplete work. Final Inspection required to complete permit work.

Item Description	Fee	Total	Item Description	Fee	Total
0 to 400 Amp Power Source qty _____	\$70 ea		Solar 0-5,000 Watts	\$90	
401 to 800 Amp Power Source qty _____	\$140 ea		Solar 5,001-10,000 Watts	\$150	
Over 800 Amp Power Source qty _____	\$200 ea		Solar 10,001-20,000 Watts	\$225	
0 to 200 Amp Circuit or Feeder qty _____	\$12 ea		Solar 20,001-30,000 Watts	\$300	
Over 200 Amp Circuit or Feeder qty _____	\$30 ea		Solar 30,001-40,000 Watts	\$375	
<b>FEES ABOVE SHALL BE DOUBLED IF OVER 250 VOLTS</b>			Traffic signals, street, parking & outdoor lighting standards qty _____	\$5 ea	
Trip/Inspection Fee (Minimum charge for 1 trip project)	\$75/trip		Transformers for light, heat, and power (0 to 10 KVA) qty _____	\$20 ea	
New Multi-Family Dwelling qty _____	\$110/unit		Transformers for light, heat & power (more than 10 KVA) qty _____	\$40 ea	
New 1 & 2 family Homes 25 Circuits, 3 trips	\$225		Pools	\$150	
Additional circuits over 25 per unit qty _____	\$12 ea		Panel Changes (reconnect existing circuit or feeder for panelboard replacement)	\$100 ea	
Retrofitting of existing lighting fixtures qty _____	\$1 ea		SUBTOTAL		
Manufactured Home Park Lot Supply + Circuits	\$75/Ped		CITY SERVICE FEE		\$10.00
Technology circuits/circuits <50 volts qty _____	\$1 ea		STATE SURCHARGE		\$1.00
Separate bonding inspection (\$75) or concrete encased grounding electrode inspection (\$50)	\$75 or \$50		<b>TOTAL FEES DUE</b> (subject to re-inspection fees or shortages)		

By signing this document, I certify that I am the owner as defined by MN Statute 326.01 and will legally perform the electrical work at this property		I certify my electrical company will perform all electrical work on this property.	
Owner Signature:	Date:	Contractor Signature:	Date:

**NOTICE:** This is an **application only**. Permit will be issued after City approval and payment of fees.

\*\*\*\*\*FOR OFFICE USE ONLY\*\*\*\*\*

PERMIT: \_\_\_\_\_