



Community Development Department
 1200 L.W. Besinger Drive - Room 214
 Carpentersville, IL 60110
 Hours: M-F 8:30 AM – 5:00 PM
 Phone (847) 551-3478
 Fax (847) 426-0864
<http://vil.carpentersville.il.us>

Electrical Service Upgrade

ADDRESS:	Date Received:
Applicant Name:	Check in by:
Applicant Daytime Phone:	Date Returned to Applicant:
Applicant Email Address:	

I understand that any missing or incomplete items or failure to clearly describe the proposed scope of work will cause this plan review to be delayed until the submittal is complete and/or the work is correctly described. Upon submittal of the remaining items, I understand that the plans are still subject to review by the Village and that corrective measures and/or additional information may be required.

 Applicant Signature

 Date

Submittal Checklist, minimum requirements:

OK	N/A	Item Description
<input type="checkbox"/>	<input type="checkbox"/>	Homeowners Association approval letter, if required
<input type="checkbox"/>	<input type="checkbox"/>	Completed electrical permit application
<input type="checkbox"/>	<input type="checkbox"/>	Detailed scope of work and equipment information

Comments / Other Submittals Required:

Minimum Requirements:

1. Submit a completed electrical permit application, along with data on the size of the service to be installed (in Amps) and number of slots.
2. Electricians must be registered with the Village.
3. Electricians must submit a copy of their electricians license from an Illinois municipality that administers an electrical license examination.
4. Basic competency is expected of homeowners performing their own work.

5. Indicate the size and type of under-grounded (hot) and grounded (neutral) conductors.
6. Meter socket to be installed in an approved location at the proper height. From finished grade to the center of the meter between 30" to 60".
 - * Electrical service upgrade shall be provided with an external electrical main disconnect/over current main breaker, the main disconnect can be an integral part of the meter socket cabinet or in a separate outdoor panel listed and labeled for the application. Bonding and grounding shall take place at the first means of main disconnect*.
7. Overhead service conductors from the utility pole to the dwelling shall be at the proper height.
8. When mast is used as the attachment point, the minimum size of the mast for 100 amps service is 2.5 inches rigid steel conduit and 3" for larger service.
9. Mast shall be braced with the proper mounting clamps spaced accordingly.
10. Provide an effective ground. Minimum two 5/8" ground rods shall be installed no less than 6' apart.
11. Ground clamp used with ground rod shall be the direct burial type.
12. Ground conductor shall be connected to the water supply pipe, street side of the meter within 5' of entry point to the building. Provide a bonding jumper across the meter.
13. Indoor panel shall be installed at the proper height with the required working clearance and labeled accordingly. Indoor panel **shall not** be installed in a bathroom, or clothes closet. An equipment ground bus bar shall be isolated from the neutral.
14. Equipment and material shall be listed and labeled for the application.
15. Work shall be in compliance with the 2005 National Electrical Code, the Village, and ComEd requirements.
16. Contact the Community Development Department for remodeling work that may necessitate a service upgrade such as the addition of central air conditioning.
17. **Please note that there is a \$50 fee for re-inspections.**

General Information:

Inside wiring shall be copper and installed in EMT.

Smoke detectors shall be hard wired, interconnected with a battery back up in each sleeping room, on each level and within 15' outside of the sleeping rooms. Carbon Monoxide detector outside the sleeping room is a requirement.

GFCI and ARC fault protections are required where code requires.

Minimum Required Inspections:

Final inspection is required when all work is completed.

Schedule Inspections With:

Community Development Department

Helpful Contact Information:

J.U.L.I.E. 811
 Com Ed (800) 344-7661
 Community Development (847) 551-3478