



Electrical Service Installation Worksheet

Project Address _____

Permit # _____
Office Use

Contractor or Owner Name _____

Service Provider (check a box): Empire Electric White River Electric

Electrical Service Upgrade (check a box): Residential Commercial

Please provide the following information.

1. Current size of service: _____ amp.

2. Current grounding system:

<input type="checkbox"/> ground rod	<input type="checkbox"/> metal water service	<input type="checkbox"/> plate
<input type="checkbox"/> grounding ring	<input type="checkbox"/> concrete encased electrode	

3. Proposed size of service upgrade: _____ amp.

4. Proposed grounding system update:

<input type="checkbox"/> ground rod	<input type="checkbox"/> grounding ring	<input type="checkbox"/> concrete encased electrode
<input type="checkbox"/> plate		

5. Current service: overhead underground

6. Proposed service: overhead underground

Per City of Branson Code Sec 18-47:

- The service disconnecting means shall be installed at a readily accessible location outside of a building or structure. This requirement shall apply when replacing a electric panel and when replacing a service disconnect not in a readily accessible location outside of a building or structure.
- Where an owner is doing work on owner’s personal residence, all wiring from the point of utility connection into the structure shall be of copper conductors.

Per NEC 2014:

- The combination meter/main service disconnect enclosure to be installed shall be rated as a NEMA 3R.
- Service Grounding Conductors shall be sized accordingly as per 250.66 and Service Conductors as per 310.15.(B) (6) and properly identified.
- Connection of the Main Bonding Jumper as per 250.28
- Disconnect enclosures shall be properly/permanently identified, not located above stairs, properly bonded.
- Service riser conduit is to be of Schedule 80 if PVC , properly secured and clearances observed.
- If a metal sweep is used less that 18” below grade, it is to be bonded with the grounding conductor.

Note: If a new service is replacing a combination disconnect/breaker panel that is located on the inside of the building, separate grounding and grounded buss terminals will be required and all conductors appropriately located. In addition, if this electric service installation is for new construction in multi-unit buildings, the drywall in the immediate area of the breaker panel and a GFIC must be installed (1-per floor). The panel cover must also be available for immediate installation after inspection.

After obtaining a permit and initiating the install, call the inspection line at 417-337-8505 for a rough in inspection to inspect any/all of the following :

- trench
- conductor applications
- riser mounting/attachment
- bonding and grounding electrode placement/connections

If approved, an orange “Approved” sticker will be placed on the enclosure and the Service Provider can be contacted for service activation. A final inspection is required. Please call the aforementioned inspection line.

In the space below, or on a separate attached sheet, please diagram an overhead view, (site plan), showing the current and proposed service locations as well as any trenching and setback dimensions which will be incorporated into the work.

SITE PLAN

