

Scope of Work: Electrical

Install all new electrical wiring in the home, using a combination of existing routes for old electrical wiring, as well as running wiring along new routes. Install new lighting fixtures and antique replacement outlets and switches, to be provided by the owner.

The prior electrical wiring in the home was a combination of knob and tube installed around 1900 and insulated wiring installed around 1940.

In 2006 new electrical service was installed up to a new breaker box in the basement. A construction outlet was added just below the breaker box. The current electrical service was not connected to the existing older wiring in the house. No electrical service runs through any old wiring in the house.

When the new electrical service was installed, a trench was dug and metal pipe laid with room for five wires. The new electrical service uses this pipe to run to the house. As part of this work, I would like for the remaining overhead wire to the house – a phone line/internet line – be run through the underground pipe.

Although the original fuse boxes were removed, all prior wiring from the 1940 renovation was clipped but otherwise left in place. Since some of this wiring runs through brick walls, it was thought that the existing wiring could be used to pull new wiring through.

The major issue with installing wiring in the house has been that nearly all walls, both interior and exterior, are brick. For the 1940 renovation, some outlets are installed in the walls, but many are installed in the flooring of the first and second floors. Wiring was also run through the brick walls for the installation of some outlets about one foot off the floor and for the installation of light switches at typical height about three to four feet. For lighting on the second floor, wiring was run from the basement up through an exterior metal pipe along the exterior brick to the attic, where it was then run from the attic down to the second floor ceiling.

Historically, there were four chimneys on the home. Three remain visible from the exterior and only one is currently used (to vent the gas boiler). If running wiring from floor to floor is a concern, two of the remaining chimneys could be used. Each is a large, open passageway, and one of which runs from the basement to the attic. This could facilitate running wiring from floor to floor.

Goals of this work:

- Replace all existing wiring.
- Replace all existing outlets and light switches with antique replacements (to be provided by owner).
- Wiring should be run through conduit throughout house, to the extent possible.
- Wiring should be run through existing pathways within the walls (ie, tie new wiring to old wiring and pull through).
- Wiring should be run in the basement in such a way that it is hidden from view.
- Remove metal pipe from exterior wall and run wiring through conduit up through the house through the main chimney from the basement to the attic.
- Run remaining overhead wire for cable/internet through the underground pipe to reconnect at the house.

Lighting

The prior wiring was run for one overhead light in the center of each room. The new wiring should be run so that lighting can be installed in the center of each room and above each of the arched windows in the house. This would be true of all rooms except the mud room on the first floor and the two front bedrooms on the second floor. For each of these rooms, separate controls / switches should be available for the overhead versus window lights, with a slider control for the control of the intensity of the window lights.

Additional, more thorough lighting will also be installed in the basement.

The owner will provide the light fixtures for installation in the home.

The Kitchen

Since the kitchen is being left as a the last project to complete at the home, basic wiring should be run to the kitchen, with the intention of coming back and adjusting wiring, outlets and lighting during the final stages of the project.

Contractors interested in viewing the home to be able to bid on this project should contact:

John Whitman

Email: roffhome@gmail.com

Cell: 773-949-6650

The owner will be available on Saturdays and Sundays from September 10 through September 25 for contractors to see the home. Appointments must be made in advance. No drop-ins are allowed.

Any bids on this work must be received by October 1. A hiring decision will be made by October 15.

Work on the home must be completed by May 1, 2017.

Any contractor hired will be asked to sign a contract covering the work to be performed and must carry liability insurance.