



712 Northeast 60th Street | Seattle, Washington 98115
(206) 914-3243 | info@carroll-electric.com | https://www.carroll-electric.com

RECIPIENT:



Estimate #291

Sent on Aug 21, 2026

Total \$4,676.27

Product/Service	Description	Qty.	Unit Price	Total
Conduit Installation	Install approximately 90–100 feet of 1-1/2-inch PVC conduit from the existing main panel to the new outdoor subpanel location. Install a PVC LB at the rear of the main panel and run approximately 15 feet vertically into the first attic space. Use an approved PVC sweep or offset to enter the attic at a higher location where necessary. Continue approximately 35 feet through the first attic, route down alongside the chimney area, enter the adjoining attic space, and continue approximately 20 feet to the subpanel location above the hot tub. Use Schedule 80 PVC where the raceway is exposed or subject to physical damage. Secure the conduit with approved supports and straps and seal all exterior penetrations. Install a short chase nipple between the new subpanel and the adjacent hot-tub disconnect enclosure. Install the existing-style five-foot liquidtight conduit whip between the disconnect and the hot tub.	1	\$900.00	\$900.00
Conductor Installation	Pull approximately 100 feet each of two 2/0 aluminum ungrounded conductors and one 2/0 aluminum neutral conductor from the main panel to the new outdoor subpanel. Pull one insulated #8 copper equipment-grounding conductor with the feeder. From the new subpanel, install the 50-amp hot-tub branch-circuit conductors through the chase nipple to the GFCI disconnect. Continue from the disconnect through the five-foot liquidtight whip to the hot-tub equipment compartment. Provide two #8 copper ungrounded conductors, one #8 copper neutral conductor and one insulated #10 copper equipment-grounding conductor for the hot-tub circuit.	1	\$650.00	\$650.00



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Product/Service	Description	Qty.	Unit Price	Total
Breakers, Disconnect and Final Connections	Install a 125-amp Square D Homeline outdoor-rated, 12-space/24-circuit main-lug subpanel. Install a listed equipment-grounding bar and maintain complete separation between grounded neutral conductors and equipment-grounding conductors. Do not install the neutral bonding screw in the subpanel. Install a listed and compatible 125-amp, two-pole feeder breaker in the existing main panel. Terminate the 2/0 aluminum feeder conductors using antioxidant compound where required and torque all connections to manufacturer specifications. Install a compatible surge-protective device in the main panel. Install a 50-amp, two-pole Homeline breaker in the new subpanel to supply the hot-tub disconnect. Install an outdoor-rated spa disconnect containing a 50-amp GFCI breaker. The disconnect will be readily accessible, within sight of the hot tub and at least five feet horizontally from the inside wall of the tub. Terminate the whip wiring in the hot-tub equipment compartment, label both panels and the disconnect, energize the system, test the GFCI protection and verify proper hot-tub operation.	1	\$850.00	\$850.00



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Product/Service	Description	Qty.	Unit Price	Total
Material	Approximately 100 feet of 1-1/2-inch PVC conduit, including Schedule 80 where exposed – \$200 1-1/2-inch PVC LBs with covers and gaskets – \$120 PVC sweeps, couplings, adapters and transition fittings – \$120 Conduit straps, supports and exterior anchors – \$40 PVC cement, bushings, sealant and penetration supplies – \$40 100 feet of 2/0 black aluminum XHHW-2 conductor – \$125 100 feet of 2/0 red aluminum XHHW-2 conductor – \$125 100 feet of 2/0 white-identified aluminum XHHW-2 neutral conductor – \$125 100 feet of insulated #8 green copper equipment-grounding conductor – \$105 (1) Compatible 125-amp, two-pole feeder breaker – \$175 (1) Square D Homeline 125-amp outdoor 12-space/24-circuit main-lug panel – \$150 (1) Listed equipment-grounding bar – \$25 (1) Main-panel-compatible surge-protective device – \$55 (1) 50-amp, two-pole Homeline breaker – \$25 (1) Outdoor spa disconnect with 50-amp GFCI breaker – \$175 Chase nipple, locknuts and bushings between enclosures – \$25 #8 copper and #10 green copper branch-circuit conductors – \$60 Five-foot liquidtight conduit whip and connectors – \$25 Labels, antioxidant compound and miscellaneous supplies – \$40	1	\$1,830.00	\$1,830.00

A deposit of \$2,338.14 will be required to begin.

Subtotal	\$4,230.00
Seattle (10.55%)	\$446.27
Total	\$4,676.27

Payment is due in the following structure. 50% before start, 50% after completion.
Work shall be completed no later than 1 week after the start.
Contractor not responsible for minor property damages caused by the completion of electrical work.
All installations are covered by a 1-year warranty.