



Development Services Division  
1055 S. Grady Way  
Renton, WA 98057  
(425) 430-7200  
www.rentonwa.gov

# ELECTRICAL PERMIT APPLICATION

This application must be filled out completely in order to be submitted for review. We will not accept incomplete applications. This application is good for one (1) year from the submittal date. A one-time extension of one (1) year can be requested at a cost of half the plan review fee. Once issued, the permit is good for one (1) year from issue date. A one-time extension of one (1) year can be requested at a cost of half the permit fee. Please follow our [Electronic File Standards](#) if your permit requires plan review. This application must be a .pdf and included in your submittal.

**FOR OFFICE USE ONLY:**

PERMIT NUMBER: \_\_\_\_\_ PROJECT NUMBER: \_\_\_\_\_ LAND USE NUMBER: \_\_\_\_\_

**ASSOCIATED BUILDING PERMIT NUMBER (REQUIRED):** \_\_\_\_\_

This number is required if your work is associated with work being done under a Building Permit. The Building Permit could belong to someone else, but we still need the number to keep all associated permits tied together. You may need to contact the Building Permit owner.

**1. LOCATION AND VALUATION INFORMATION**

JOB ADDRESS: \_\_\_\_\_ TENANT NAME: \_\_\_\_\_ LOT #: \_\_\_\_\_

VALUE OF WORK: (Fair market value for time + materials) \$ \_\_\_\_\_ BOEING JOB # (If applicable): \_\_\_\_\_

DESCRIPTION OF WORK: \_\_\_\_\_

**2. OWNER INFORMATION**

PROPERTY OWNER NAME: \_\_\_\_\_ PHONE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

**3. CONTACT INFORMATION**

CONTACT NAME: \_\_\_\_\_ PHONE: \_\_\_\_\_

EMAIL: \_\_\_\_\_ FAX: \_\_\_\_\_

**4. CONTRACTOR INFORMATION**

DOING WORK AS OWNER/CONTRACTOR? If yes, the owner will need to fill out the [Electrical Owner Affidavit Form](#). Include this form with your submittal. Tenants cannot do the work without written permission from the owner.

A LICENSED CONTRACTOR WILL BE DOING THE WORK. Fill out the portion below. (Required):

NAME: \_\_\_\_\_ PHONE: \_\_\_\_\_

STATE OF WASHINGTON CONTACTOR'S LICENSE: \_\_\_\_\_ UBI#: \_\_\_\_\_

CITY OF RENTON BUSINESS LICENSE: \_\_\_\_\_

<b>RESIDENTIAL ELECTRICAL PERMIT FEES</b>	<b>Cost**</b>	<b>Qty</b>
Single Family /Duplex New Service up to 200 AMPs	\$212	
Single Family /Duplex New Service over 200 AMPs	\$225	
Service Change up to 200 AMPS	\$165	
Service Change over 200 AMPS	\$175	
Any New Circuits added to above Service Change	\$20 ea. to max \$80	
Addition or alteration of outlet, new circuit, sub-panel, feeder, mast repair or similar WITHOUT a service change	\$165	
Temporary Service	\$150	
Mobile Home	\$150	
Re-inspection Fee	\$125	

<b>MULTI-FAMILY, COMMERCIAL, INDUSTRIAL PERMIT FEE ** (Based on value of permit)</b>					
\$	1.00-	\$	500.00	\$	63.00
\$	500.01-	\$	1,000.00	\$	47.00 + 3.5% of Value*
\$	1000.01-	\$	5000.00	\$	82.00 + 3.05% of Value *
\$	5000.01-	\$	50,000	\$	234.00 + 1.8% of Value*
\$	50,000.01-	\$	250,000	\$	1,127.00 + 1.05% of Value*
\$	250,000.01	\$	1,000,000	\$	3,752.00 +0.85% of Value*
\$	1000000.01	\$	And up	+12,152.00 + 0.47% of Value*	

**LOW VOLTAGE** Less than 50 volts shall be 50% of commercial/multi-family fee calculation based on value. (Min \$150.00)\*\*

**PLAN REVIEW FEE:** When required, shall be 40% of the standard fee \*\*

**PLAN REVIEW REQUIRED:** Services greater than 400 AMPS, Hospitals, Schools, Institutions, Nursing Homes, Assisted Living Facilities, Commercial Generators and work in hazardous locations.

\*Value of Work: Fair market value for time and material.

\*\* +Add an Additional 5% Technology Surcharge to Calculated Fee

Re-Inspection Fees	\$ 125	
Temporary Power	\$ 150	
Job Trailers	\$ 150	
Signs	\$ 150 Ea.	

I certify that the information on this application furnished by me is true and correct and that the applicable requirements of the City of Renton will be met. I understand that this application is valid for one year from the application date. If a permit is not issued during this time period, the application will become void. This application does not constitute a permit to work. Work is not to commence until the building permit is posted on premises where work is to be performed. Certification is hereby rendered that no work is to be done except as described, and that all work shall conform to applicable codes. Work in public rights-of-way and/or utility easements are not authorized under this application. Any work done without the benefit of having a building permit issued is subject double the permit fee. Fees to be paid at permit intake.

APPLICANT SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPLICANT NAME PRINTED \_\_\_\_\_



Development Services Division  
1055 S. Grady Way  
Renton, WA 98057  
(425) 430-7200  
www.rentonwa.gov

# ELECTRICAL PLAN REVIEW REQUIREMENTS

**Plan review required for: Service over 400 Amps, Hospitals, Schools, Institutions, Nursing Homes, Assisted Living Facilities, when Replacing 50% or more of lighting luminaries, and in hazardous locations per article 500 NEC.**

## *ITEMS REQUIRED FOR ELECTRICAL PLAN REVIEW SUBMITTAL*

- 1. **Completed Electrical Permit Application** with description of the full scope and nature of electrical installation. Provide name, phone number and email address for contact person for electrical plan review questions. Call the Building Department to make an intake appointment. 425 430-7200 x1
- 2. **Electronic copy** of the plans on a USB flash drive according to Renton [Electronic File Standards](#).
- 3. Indicate building use (or portion of) per WAC 296-46B-900-(1). Include the basis for designation of any special occupancy or classified location (s).
- 4. Electrical Engineer's stamp and signature shall be on all Educational Facilities, Hospitals, and Nursing Homes; all services or feeders rated 1,600 amperes or larger; all installations identified in the National Electrical Code requiring engineering supervision.
- 5. Symbol legends.
- 6. Circuit connecting lines with home runs shown for all equipment, lighting, and receptacle symbols.
- 7. One-line riser diagram; including available fault current; available Interrupt Current (AIC) ratings of switchboards and/or panel boards, and equipment bracing. Riser diagrams and load calculations must be complete to the point of connection between the facilities of the serving utility and the premises wiring. Identify all service and feeder conductors, including conductor size, material, insulation, and overcurrent protection, conduit size, number, and type. Show transformer primary/secondary voltage and KVA size.
- 8. Provide panel and switchboard schedules showing overcurrent protection, conductor size, insulation, type, and branch circuit loads.
- 9. Provide load calculations for all panel boards and other distribution equipment affected by the electrical work being done. Include total connected load, demand factors, and calculated loads.
- 10. Verify the street address (inspection address) for this project.
- 11. Floor plan views including lighting schedule and energy code switching requirements (occupancy sensors, daylighting, automatic shut off controls, photo-sensors) of electrical installation or alteration.
- 12. Adequate capacity and rating shall be indicated when existing service feeder has additional loads added.
- 13. Indicate if service or feeder is to be altered or installed.

All new services shall be underground except for existing residential dwellings. Underground service will be required on any dwelling moved to a new location. This application does not constitute a permit to work. Work is not to commence until electrical permit is posted on premises where work is to be performed. Certification is hereby rendered that no work is to be done except as described, and that all work shall conform to the applicable codes. Work in public rights-of-way and/or utility easements are not authorized under this application.

## GROUNDING ELECTRODE SYSTEM

Concrete-Encased Electrode: An electrode encased by at least two (2) inches of concrete, located within and near the bottom of a concrete footing that is in direct contact with the earth, consisting of at least 20 feet, #4 bare copper, sized in accordance with Table 250-66, 2008 NEC, shall be installed in all new residential and commercial construction.

CONCRETE ENCASED ELECTRODES SHALL BE INSTALLED IN ALL NEW RESIDENTIAL AND COMMERCIAL CONSTRUCTION INSTALLATIONS.

### Alternative Approved Method:

An electrode consisting of 20 feet, #4 rebar (not less than ½ inch in diameter meeting the requirements of NEC 250.52) encased by at least 2 inches of concrete, located within and near the bottom of a concrete footing that is in direct contact with the earth. Sections of reinforcing bar are permitted to be tied together to make up the 20 foot length. Electrode splices shall overlap a minimum of 3 feet and be tied together at a minimum of 6 inches on center.

The electrode shall be stubbed up vertically a minimum of 1 foot above the top of the foundation wall adjacent to the service location. Service stubs shall be identified with orange fluorescent paint. Connection from the vertical section of the electrode to the service ground shall be made with a direct burial clamp to a minimum of a #4 copper conductor and made accessible.

**The grounding electrode system inspection will be conducted with the footing inspection prior to placement of concrete.**