



Electrical Application

Office Use Only

Date: _____

ELEC: _____

EPLN: _____

Accepted By: _____

If applicable: Is this work attached to an existing building permit?

BLDG- _____

ENTER QUANTITIES:	
___ Feeder	___ Service - Added
___ Fire Alarm	___ Service - Altered
___ Generator	___ Service - New
___ Ground Ufer—per visit	<input type="checkbox"/> 60 AMP
___ Low Voltage	<input type="checkbox"/> 200 AMP
___ Circuits	<input type="checkbox"/> ≥ 400 AMP*
	___ Subpanel
	___ Temporary Service
	___ Illuminated Signs
	___ Other
	*Plan review required

TYPE/WORK CLASS
<input type="checkbox"/> Residential
<input type="checkbox"/> Commercial
<input type="checkbox"/> Multi-family
<input type="checkbox"/> Mixed Use
<input type="checkbox"/> Right of Way

*Value of Construction: The value of construction shall include the prevailing fair market value of all labor, materials and equipment, whether actually paid or not, needed to complete the work.

SITE LOCATION
*Value of Electrical work \$: _____
Site address: _____
Suite/FLR/RM: _____
Tax parcel number: _____
Project name/Tenant: _____
Plat name/Lot number: _____
Property owner: _____
Mailing address: _____
City: _____ State: _____ Zip: _____
Phone: _____

DETAILED DESCRIPTION OF WORK

ELECTRICAL CONTRACTOR INFORMATION	
Company name: _____	State contractor's license #: _____
Mailing address: _____	Expiration date: _____
City: _____ State: _____ Zip: _____	City of Redmond business license #: RED ___ - _____
Phone: _____	E-mail: _____

APPLICANT INFORMATION		
Contact person: _____	City: _____	State: _____
Company name: _____	Zip: _____	Phone: _____
Mailing address: _____	E-mail: _____	

BUILDING OWNER OR AUTHORIZED AGENT	
<i>I hereby certify that I have read and examined this application and know the same to be true and correct, and I am authorized to apply for this permit.</i>	
Print Name: _____	Date: _____
Signature: _____	

ELECTRICAL PLAN REVIEW IS REQUIRED FOR ALL BUILDINGS EXCEPT 1 AND 2 FAMILY DWELLINGS AND IRC TOWNHOUSES.

- All exterior appliance installations including Photovoltaic Systems and generators on all types of occupancies.
- Increase in load of 400 amps or more **IF**
 - New non-residential, multifamily or mixed-use buildings. (Excludes low voltage and voice data)
 - Existing or new commercial service alterations, generators, subpanels, transformers, feeders, or hazardous locations as defined by NEC.
- Installation/altering a service or feeder rated 400 amps or more.
- Any installation or alteration in a space with health care, educational, and institutional occupancy categories as listed in WCEC 85.15.G(1). (Hospital, nursing home unit or long-term care unit, boarding home or assisted living facility, private alcoholism hospital, private psychiatric hospital, maternity home, ambulatory surgery facility, renal hemodialysis clinic, residential treatment facility for psychiatrically impaired children and youth, adult residential rehabilitation center¹, education^{2,3}, and institutional^{2,3}.)
- Work on electrical systems operating at over 600 volts.

¹ Wiring methods in accordance with the NEC unless otherwise noted.

² Metallic or nonmetallic raceways, MI, MC or AC cable, except that in places of assembly located within educational or institutional facilities, wiring methods must conform to NEC 518.4(a). Places of assembly located within educational or institutional facilities may not be wired according to NEC 518.4(b) or (c)

³ Limited energy system may use wiring methods in accordance with the NEC

PLAN REVIEW NOT REQUIRED FOR

- Temporary power
- Low voltage and voice data

ELECTRONIC SUBMITTAL REQUIREMENTS - PLEASE BRING ALL MATERIALS IN ON A USB FLASHDRIVE.

- Electrical Plans**
Show power and lighting for each floor and location of all electrical panel boards.
- Electrical Panel Schedules**
With loads indicated in volt-amperes (VA) or kilovolt-amperes (KVA) and the listed interrupting rating (A.I.C.) of all overcurrent protective devices.
- Riser Diagram**
Showing the point-to-point available fault current and the raceway size and type, the conductor's size and type, and grounding methods. Include a detail of the grounding electrode system.
- Load Calculation**
Include an electric load summary showing all applicable demand factors.
- Fault Current Calculations**
Through the panel board level
- Lighting Budget Calculations**
per Washington State Energy Code. [See Redmond.gov](http://Redmond.gov) for Energy Code form.

Electronic Plan Standards

File Naming Standards:

Bolded items noted indicate the naming convention in which the particular submittal must be named. For example, the Site Plan must be named **Site Plan**.

Plan Sheet Standards:

All plans must be drawn to scale, as specifically identified in the checklist, and each sheet shall state the scale.

Acceptable File Types

Plans, calculations, reports and supporting documents must be uploaded as a PDF.

Plan Orientation: All plans must be uploaded in "Landscape" format in the horizontal position.