



Solar System Permits Submittal Requirements

Listed below are the requirements to submit a complete application for a solar system building permit. Staff will not process incomplete applications.

SUBMITTAL REQUIREMENTS

1. Completed and signed building permit application form;
2. Owner Certification and Transfer of Applicant Status form;
3. Proof of a valid State Contractor's License – by issuance;
4. City of Black Diamond Business License, if applicable;
5. (2) Site Plans;
6. (2) Sets of Specification Sheets;
7. (1) Copy of Installation Manuals, if available.

NOTE: *An L & I electrical permit is required and must be approved by L & I before final inspection by the City of Black Diamond.*

CHECKLIST FOR RESIDENTIAL SOLAR PHOTOVOLTAIC SYSTEMS: ROOFTOP MOUNTED

PV system description (include manufacturer and model # of PV modules and inverters):

CHECKLIST:

	Yes	No
1. PV system is designed and proposed for a detached one- or two-family dwelling or townhouse not more than three stories above grade or detached accessory structure that is code compliant to setbacks and height, or code allows expansion of nonconformity for solar modules. [IRC 101.2]	<input type="checkbox"/>	<input type="checkbox"/>
2. Modules on pitched roofs do not exceed the highest point of the roof unless approved by the local jurisdiction.	<input type="checkbox"/>	<input type="checkbox"/>
3. Rooftop is made from lightweight material such as a single layer of composition shingles, metal roofing, lightweight masonry, or cedar shingles.	<input type="checkbox"/>	<input type="checkbox"/>
4. The installation shall comply with the manufacturer's instructions. [IRC M2302.2]	<input type="checkbox"/>	<input type="checkbox"/>
5. The installation shall meet the requirements of NFPA 70 National Electric Code, and all required electrical permit(s) must be obtained from the Authority Having Jurisdiction to administer the electrical code. [IRC M2302.2]	<input type="checkbox"/>	<input type="checkbox"/>
6. The installation shall meet the requirements of the International Fire Code as amended by WA State. [IRC M2302.2]	<input type="checkbox"/>	<input type="checkbox"/>
7. The PV system is designed for the wind speed of the local area, and will be installed per the manufacturer's specifications. [IRC M2302.2.1(1)]	<input type="checkbox"/>	<input type="checkbox"/>
8. The ground snow load does not exceed 70 pounds per square foot. [IRC M2302.2.1(2)]	<input type="checkbox"/>	<input type="checkbox"/>
9. Total dead load of modules, supports, mountings, raceways and all other appurtenances weigh no more than four pounds per square foot. [IRC M2302.2.1(3)] Enter total dead load of system (lbs/ft ²):	<input type="checkbox"/>	<input type="checkbox"/>
10. To address uplift, modules are mounted no higher than 18" above the surface of the roofing to which they are affixed. [IRC M2302.2.1(4)]	<input type="checkbox"/>	<input type="checkbox"/>
11. Supports for solar modules are installed to spread the dead load across as many roof- framing members as needed to ensure that no point load exceeds fifty (50) pounds. [IRC M2302.2.1(S)]	<input type="checkbox"/>	<input type="checkbox"/>
12. The photovoltaic modules and supporting structure shall be constructed of noncombustible materials or fire-retardant treated wood equivalent to that required for the roof construction. [IRC M2302.2.1]	<input type="checkbox"/>	<input type="checkbox"/>
13. Roof and wall penetrations shall be flashed and sealed to prevent entry of water, rodents, and insects. [IRC M2302.2.2]	<input type="checkbox"/>	<input type="checkbox"/>
14. PV modules are listed and labeled with a fire classification in accordance with U L 1703. [IRC M2302.2.3]	<input type="checkbox"/>	<input type="checkbox"/>