



## Solar Panel Installation Requirements

Solar panels are regulated by the State of Oregon Solar Installation Specialty Code. An on-line view-only version of the code is available at:

[http://www.cbs.state.or.us/bcd/programs/solar/solar\\_code/100110\\_OSISC.pdf](http://www.cbs.state.or.us/bcd/programs/solar/solar_code/100110_OSISC.pdf)

Solar panel installations will require structural and electrical permits. See our website to obtain application forms for the structural permit <http://www.co.hood-river.or.us> click on County Departments/Community Development/Building Services/Building Applications.

The electrical permit fee is typically \$92.96 (service & branch circuit, \$83.00 + 12% State surcharge). The fee may vary, depending on the actual installation. The electrical permits are also available through the Hood River County Building Dept. at 601 State Street, Hood River OR 97031. Contractors may also use Oregon E-Permitting. For questions regarding the electrical permit please call the HRC Building Dept. at 541-386.1306.

Installations complying with prescriptive path requirements (typically light-frame roof installations - see Solar Code Sec 305.4) are required to complete and submit the attached form (pg 2 & 3), along with the structural permit application. The flat rate structural permit fee for those permits is \$168.00 (\$150.00 + 12 % State surcharge).

Installations not complying with the prescriptive path requirements will require plans prepared and stamped by the Oregon registered engineer to be submitted, along with the structural permit application. Fees for those installations will be based on the valuation, and will include a plan review fee. Please contact the Building Services office at **541-386-1306** or 541-387-6840 with the total project valuation to determine the fees.

Zoning authorization is required for all free-standing solar installations.

**Oregon Solar Installation Specialty Code Check  
List for Prescriptive Photovoltaic Installations in  
accordance with Section 305.4**

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Hood River County Community Development  
Building Services Department  
601 State Street  
Hood River, OR 97031  
541-386-1306

Property Owner Information	
Property Owner Name:	
Installation address:	
City:	State: Oregon      Zip Code:
Structure on which modules are to be installed:	
Day phone:	Evening phone:
Email address:	
Contractor:	CCB#:
Day phone:	Evening phone:
Email address:	

**SITE PLAN**

- Attach a simple site plan showing the location of the PV system in relation to buildings, structures, property lines, and, as applicable, flood hazard areas.
- System must be shown in sufficient detail to assess whether the requirements of section 304.9 or one of the exceptions have been met.
- The site plan must be on 8.5 x 11 or larger paper.

**PV Modules**

- • Manufacturer: \_\_\_\_\_
- • Model Number: \_\_\_\_\_
- • Listing Agency: \_\_\_\_\_

## **STRUCTURAL INFORMATION:**

- Is this conventional light framed wood construction?
  - Does the structure have pre-engineered trusses?;
- OR**
- Does structure have roof framing members spaced at 24 inches on center maximum?
  - Is the weight of the PV modules and racking less than 4.5 pounds per square foot?
  - Is the roofing material metal, single layer wood shingle, or not more than two layers of composition shingle?

## **STANDING SEAM METAL ROOFS:**

- Is the metal gauge 26 or heavier?
- Clamp design: Are clamps designed to withstand uplift of at least 115 pounds for clamps spaced at 60 inches on center or less or at least 75 pounds for clamps spaced at 48 inches on center or less?
- Is the spacing of the clamps as measured along the seam less than or equal to 24"on center?
- Is the roofing panel width 18-inches or greater?
- Will the roofing panel attachments be at least #10 screws at 24-inches on center?
- Will the roofing panels be installed over minimum 1/2-inch nominal wood structural panels attached to framing with 8d nails at 6-inches on center at panel edges and 12-inches on center field nailing?

*If no, on any of these requirements, the project may not be submitted using the prescriptive path.*

## **ROOF DESIGN AND ATTACHMENT**

- Attach a simple structural plan showing the roof framing (rafter size, type, and spacing) and PV system racking attachment.
- System must be shown in sufficient detail to assess whether the requirements of section 305.4 have been met.
- The structural plan must be on 8.5 x 11 or larger paper, drawn to scale minimum 1/4" = 1'.

## **WIND DESIGN**

- Is the module height less than 18 inches above the roof in accordance with section 305.4?

\_\_\_\_\_  
**Applicant name (please print)**

\_\_\_\_\_  
**Applicant Signature**

\_\_\_\_\_  
**Date**