

# 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)

A direct link is available at our website, [www.mccog.com](http://www.mccog.com) FAQ, Effective Codes, including a link to sites for purchasing codes.

Solar panel installations will require structural and electrical permits. See our website, forms/fees for the application forms.

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.

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 \$145.60 (\$130.00 + 12% State surcharge).

Installations not complying with the prescriptive path requirements will require plans prepared and stamped by an 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. Contact our office 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

---

Mid Columbia Building Codes Services  
312 Court St, Ste 415  
The Dalles OR 97801  
541-298-4461

### Property Owner Information

<b>Property Owner Name:</b>	
<b>Installation address:</b>	
<b>City:</b>	<b>State: OR</b>
	<b>Zip:</b>
<b>Structure on which modules are to be installed:</b>	
<b>Day Phone:</b> (     )	<b>Evening Phone:</b> (     )
<b>Email address:</b>	
<b>Contractor:</b>	<b>CCB#:</b>
<b>Day Phone:</b> (     )	<b>Evening Phone:</b> (     )
<b>Email address:</b>	

### Site Plan

<ul style="list-style-type: none"> <li>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.</li> <li>System must be shown in sufficient detail to assess whether the requirements of section 304.9 or one of the exceptions have been met.</li> <li>The site plan must be on 8.5 x 11 or larger paper.</li> </ul>
--

### Structural Information

<p><b>All Structures:</b></p> <ul style="list-style-type: none"> <li>Is this conventional light framed wood construction? <b>Yes No (circle one)</b></li> <li>Does the structure have pre-engineered trusses? <b>Yes No (circle one)</b> ;</li> </ul> <p style="margin-left: 20px;"><b>OR</b></p> <ul style="list-style-type: none"> <li>Does structure have roof framing members spaced at 24 inches on center maximum? <b>Yes No (circle one)</b></li> <li>Is the weight of the PV modules and racking less than 4.5 pounds per square foot? <b>Yes No (circle one)</b></li> <li>Is the roofing material metal, single layer wood shingle, or not more than two layers of composition shingle? <b>Yes No (circle one)</b></li> </ul>
--

### Structural Information (continued)

#### Standing Seam Metal Roofs:

- Is the metal gauge 26 or heavier? **Yes No ( circle one)**
- 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? **Yes No (circle one)**
- Is the spacing of the clamps as measured along the seam less than or equal to 24"o.c.? **Yes No ( circle one)**
- Is the roofing panel width 18-inches or greater? **Yes No (circle one)**
- Will the roofing panel attachments be at least #10 screws at 24-inches on center? **Yes No (circle one)**
- Will the roofing panels be installed over minimum ½-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? **Yes No (circle one)**

*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 ¼" = 1'.

### Wind Design

- Is the module height less than 18 inches above the roof in accordance with section 305.4? **Yes No (circle one)**

### PV Modules

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

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

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

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