



City of Junction City
1171 Elm Street
Junction City, OR 97448
p 541.998.4763 fx 541.998.2773

Solar Panel Installation Requirements

Solar panels are regulated by the State of Oregon Structural Specialty Code. An on-line view-only version of the code is available at: http://www.bcd.oregon.gov/programs/online_codes.html .

Solar panel installations will require structural and electrical permits.

Installations complying with prescriptive path requirements (see 2014 OSSC Section 3111) are required to complete and submit the attached checklist along with the structural permit application. The flat rate structural permit fee for those permits is \$150 + 12% state surcharge. One (1) inspection is included with this permit.

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. Permit and plan review fees for those installations will be based on the valuation of the elements for the solar panels, including racking, mounting elements, rails, and the cost of labor to install. The cost of the solar electrical equipment including collector panels and inverters shall be excluded from the permit valuation. Three (3) inspections are covered under these fees with additional inspections charged at an hourly rate.



2014 Oregon Structural Specialty Code

Checklist for Prescriptive Photovoltaic Installations in Accordance with Section 3111

City of Junction City

1171 Elm Street * Junction City, OR 97448

phone 541.998.4763 fax 541.998.2773

Property Owner Information

Property owner name:

Installation address:

City:

State:

ZIP:

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, floor hazard areas.
- System must be shown in sufficient detail to assess whether the requirements of section 3111.5.3 or one of the exceptions have been met.
- The site plan must be on 8.5-inch x 11-inch or larger paper.

Structural Information

All structures:

- Is this conventional light framed wood construction?
Yes No (check one)
- Does the structure have pre-engineered trusses?
Yes No (check one)
- OR**
- Does structure have roof framing members spaced at 24 inches on center maximum?
Yes No (check one)
- Is the weight of the PV modules and racking less than 4.5 pounds per square foot?
Yes No (check one)
- Is the roofing material metal, single layer wood shingle, or not more than two layers of composition shingle?
Yes No (check one)



Structural Information (continued)

Standing seam metal roofs:

- Is the metal gauge 26 or heavier?
Yes No (check 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 (check one)
- Is the spacing of the clamps as measured along the seam less than or equal to 24 inches on center and 60" max along seam?
Yes No (check one)
- Is the roofing panel width 18 inches or less?
Yes No (check one)
- Will the roofing panel attachments be at least #10 screws at 24 inches on center?
Yes No (check one)
- Will the roofing panels be installed over minimum ½-inch nominal wood structural panels attached to framing with 8d nails at six inches on center at panel edges and 12 inches on center field nailing?
Yes No (check 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 3111.5.3(3) have been met.
- The structural plan must be on 8.5-inch x 11-inch or larger paper.

Wind Design

- Does the project site exceed 120 mph in exposure C or 135 mph in exposures A or B?
Yes No (check one) *If yes, the project may not be submitted using the prescriptive path*
- Is the module height less than 18 inches above the roof in accordance with section 3111.5.3(4)
- Yes No (check one)

PV Modules

Manufacturer: _____

Model Number: _____

Listing Agency: _____

Applicant name (please print)

Applicant signature

Date