

## Prescriptive Rooftop-Mounted Solar Photovoltaic Installation Checklist Residential and Commercial Compliance w

Use this checklist to demonstrate compliance with the prescriptive photovoltaic (PV) installation requirements of the Oregon Residential Specialty Code (ORSC) and the Oregon Structural Specialty Code (OSSC). Separate electrical permits are required for installations. See OAR 918-050-0180.

## **PART I – PROPERTY OWNER INFORMATION**

Property owner name:		Phone number:	
		r holie humber.	
Installation address:		1	
City:	State: Oregon	ZIP:	
Structure type:       ORSC governed dwelling or accessory structure (2021)         OSSC governed commercial or apartment building (2022)         Other:			
Installer: Contractor Owner (If owner, skip to Part III)			
PART II – CONTRACTOR INFORMATION			
Contractor's name: Phone		Phone number:	
Email address:			
BCD license #:		CCB license #:	
PART III – STRUCTURAL CRITERIA			
Roof structure requirements			
If "No" is selected for any item in Part III, or if the supporting structure is a manufactured dwelling, the project <b>may not</b> be submitted using the prescriptive path.			
Check the appropriate boxes for each item as it applies to the project.			
The Risk Category is I or II for OSSC governed structures (OSSC Section 1604.5):		Yes 🗌 No	
The structure is of conventional light-frame construction:		Yes 🗌 No	
The supporting roof framing is one of the following:		Yes 🔲 No	
(check one)			
or Rafters spaced ≤ 24 inches o.c. and for ORSC governed structures spans comply with OSSC Section 3111.3.5.3 Items 1.2.4 and 1.2.5 or for OSSC governed structures spans comply with OSSC Section 3111.3.5.3 Items 1.1.5 and 1.1.6			
The ground snow load does not exceed the following:		Yes 🔲No	
( <i>check one</i> ) $\Box$ 70 psf for ORSC governed structures, or	$\sim$ 50 psf for OSSC	governed structures	
<ul> <li>The basic design wind speed does not exceed the following:</li> </ul>		Yes 🗌 No	
(check one) 120 mph in Wind Exposure Category C f 135 mph in Wind Exposure Category B fo 135 mph in Wind Exposure Category B or	or OSSC governed strue	ctures; <b>or</b>	
<ul> <li>The roofing materials are metal, single-layer wood shingle or shake, or not more than two layers of composition shingle:</li> </ul>		YesNo	
<ul> <li>The module height will be no more than 18 inches from the will comply with Figures 3111.3.5.3(2) and 3111.3.5.3(<u>3):</u></li> </ul>			

PART III – STRUCTURAL CRITERIA (continued)		
Loading requirements		
Check the appropriate boxes for each item associated with the selected attachment method.		
Attachment Method 1: PV modules or racking will be attached directly to the roof framing or blocking:		
• The combined weight of PV modules and racking is not more than 4.5 psf:YesNo		
• The spacing of PV modules or racking attachments complies with one of the following: Yes No		
( <i>check one</i> )		
Attachment spacing > 24 inches and ≤ 48 inches in any direction where <b>all</b> of the following exist:		
<ol> <li>Ground snow load ≤ 36 psf.</li> <li>Attachments not located within 3 feet of a roof edge, hip, eave, or ridge.</li> <li>Basic design wind speed ≤ 120 mph in Wind Exposure Category B or ≤ 110 mph in Wind Exposure Category C.</li> </ol>		
Attachment Method 2: PV modules or racking will be attached directly to standing seam metal panels:		
The combined weight of PV modules and racking is not more than 4.5 psf: Yes No		
The clamps comply with all the following requirements:YesNo		
1. The allowable uplift capacity complies with the following:		
Not less than 115 pounds where clamp spacing is ≥ 48 inches o.c. and Not less than 75 pounds where clamp spacing is < 48 inches o.c.		
2. The spacing along a panel seam will be $\geq$ 24 and $\leq$ 60 inches o.c.		
3. The parallel to seam clamp spacing multiplied by the perpendicular clamp spacing will be $\leq$ 10 sq. ft.		
The metal roofing panels comply with the following requirements:  Yes  No		
1. Panel thickness is a minimum 26 gauge steel.		
<ol> <li>Panel width is ≤ 18 inches.</li> </ol>		
3. Attached with at least #10 screws at 24 inches o.c.		
<ol> <li>Will be installed over minimum ½-inch nominal wood structural panel sheathing that is fastened with 8d nails at 6 inches o.c. at panel edges and 12 inches o.c. field nailing.</li> </ol>		
PART IV – ROOF FRAMING PLAN		
Roof design requirements		
Provide a simple plan showing the roof framing members (type, size and spacing) and PV system racking attachment points in accordance with the local municipality's requirements. The proposed system must be shown in sufficient detail to assess whether the prescriptive installation requirements of Section 3111.3.5.3 will be met.		
PART V – PV MODULES		
Manufacturer:		
Model number:		
Listing agency:		
PART VI – LOCATIONS AND PATHWAYS		
Locations and pathway requirements		
Provide a simple plan in accordance with the municipality's requirements showing the location of the proposed PV array(s) on the building(s) and fire fighter access and escape pathways. The proposed system must be shown in sufficient detail to assess whether the location and pathway requirements of Sections 3111.3.4.1 through 3111.3.4.8 will be met.		