



City of Tigard

Building Division

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2010 Oregon Solar Installation Specialty Code

Check List for Prescriptive Installation of Roof-Mounted PhotoVoltaic Solar Panel System

Property Information	
Installation Address:	
City:	Zip:
Owner's Name:	Date:
Contractor's Name:	CCB #:

Design Parameters of the Property/Structure			
Flood Hazard Area	Is the installation Located in a flood plain/flood way?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes", does not qualify for the prescriptive path, follow OSSC or ORSC for design requirements.
Wind Exposure	Is the wind exposure "C" or less?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes", qualifies for the prescriptive path.
Ground Snow Load	Installations on detached single/two-family dwelling/single/two-family townhomes and/or their accessory structures.	Is the Ground Snow Load 70 psf or less? <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes", qualifies for the prescriptive path.
	Installations on all structures other than above	Is the Ground Snow Load 50 psf or less? <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes", qualifies for the prescriptive path.

Type of Construction	Is the construction material wood and does the construction qualify as “conventional light frame” construction?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.
Roof framing members	Pre-engineered trusses.	Is the spacing 24 inches or less? <input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.
	Nominal lumber.	Is the spacing 24 inches or less? <input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.
Solar installation	Is the combined weight of the PV modules and racking less than or equal to 4.5 psf?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.
	Is the solar installation layout in accordance with Section 305.4(3) of the 2010 Oregon Solar Code?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.
Roofing material	Check the type of roofing material	<input type="checkbox"/> Metal <input type="checkbox"/> Single layer of wood shingle/shake <input type="checkbox"/> Max. two layers of composition shingle.	If roofing material is one of the three types checked, qualifies for the prescriptive path.
Connections of the solar assembly to the roof	Is the roof mounted solar assembly connected to roof framing or blocking directly?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.

Attachment of roof mounted solar systems directly to standing seam metal panels	Is the gauge 26 or less?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.
	Minimum Uplift rating of Clamps?	115 lbs for 60 inch spacing or less? <input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.
		75 lbs for 48 inches spacing or less? <input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.
	Spacing of clamps? _____ inches	Minimum 24 inches Maximum 60 inches	If the spacing falls within 24 inches and 60 inches, qualifies for the prescriptive path.
	Width of roofing panels? _____ inches	18 inches or less	If the width of the panel is less than 18 inches, qualifies for the prescriptive path.
	Size and spacing of fastener?	Minimum #10 at 24 inches o/c? <input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.
	Is the roof decking of WSP min. ½” thickness, decking connected to framing members w/min. 8d nails @ 6”/12” o/c?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.
	Height of the solar modules	Maximum 18 inches from the top of the module to the roof surface. Is the height less than or equal to 18 inches? <input type="checkbox"/> Yes <input type="checkbox"/> No	If “Yes”, qualifies for the prescriptive path.

Submittal Documents required for Prescriptive Installations

Site Plan	Show the location of the PV system in relation to buildings, structures, property lines, and, as applicable, flood hazard areas.
	Details must be clear and easy to read.
	Minimum size of the plan is 8.5 x 11 inches.
Structural Plan	Attach a simple structural plan showing the roof framing (rafter size, type, and spacing) and PV module system racking attachment.
	System must be shown in sufficient detail and clarity to assess whether it meets the prescriptive construction requirements as listed earlier above in the matrix.
	Minimum size of the plan is 8.5 x 11 inches.

PV Modules

Manufacturer:
Model Number:
Listing Agency: