



# Simplified Building Method—Building Envelope

## Oregon Energy Efficiency Specialty Code Compliance Checklist

This checklist may be used to demonstrate compliance with the Simplified Building Method Compliance Path for the Building Envelope in accordance with the Oregon Energy Efficiency Specialty Code (OEESC)/ASHRAE Standard 90.1.

\*Note: This checklist **may not** be used for the Building Envelope Trade-Off Compliance Path, Section 5.6.

### Base requirements:

1. Allowed only for new buildings, alterations, and additions.
2. The building shall be two stories or fewer in height.
3. The *gross floor area* of the building shall be less than 25,000 ft<sup>2</sup>.
4. The building envelope shall comply with the Mandatory Provisions in Section 5.4 and the Prescriptive Building Envelope Compliance Path Provisions in Section 5.5.
5. Where applicable, the energy credits required in Chapter 11 and the OEESC shall be achieved. Where COMcheck is not being used, energy credits shall be identified using the [Energy Credit Supplementary Checklist](#).

### BUILDING INFORMATION

Contact name:	Email:	Phone number:
Site address:	Map and tax lot:	
City:	State: Oregon	ZIP:
Gross floor area:	Number of stories:	

### COMPLIANCE

#### Mandatory provisions

The building envelope of new buildings, alterations, or additions must comply with Section 5.4, Mandatory Provisions. Each item below is required to demonstrate compliance with Section 5.4, check the boxes that apply.

- ☐ **Whole-building air leakage:** Compliance with Section 5.4.3.1 for whole-building air leakage has been demonstrated and documentation will be provided to the building official.
- ☐ **Continuous air barrier:** The entire building envelope is designed and constructed with a continuous air barrier in accordance with Section 5.4.3.2.
- ☐ **Loading dock weatherseals:** Cargo doors and loading dock doors comply with Section 5.4.3.3 to restrict air leakage.
- ☐ **Vestibules and revolving doors:** Where applicable, vestibules and revolving doors comply with Section 5.4.3.4.
- ☐ **Insulation:** Insulation complies with the product information and installation requirements in Section 5.8.1.
- ☐ **Fenestration and doors:**
  - ☐ Fenestration and doors comply with the product rating and labeling requirements and U-factor, SHGC, and VT determination requirements in Section 5.8.2.
  - ☐ Fenestration and doors comply with the air leakage requirements in Section 5.8.2.

#### Prescriptive compliance path

To use this checklist, the building envelope must also comply with Section 5.5 “Prescriptive Building Envelope Option.” Check the appropriate boxes for each item and fill in the values used for compliance as applicable to the project. Select ‘N/A’ where that Section is not being constructed or altered. Exceptions being used shall be listed at the bottom of the page with the section and exception numbers noted.

Submittal of a COMcheck report, where used, showing the Proposed and Required U-factors is also acceptable for complying with the Prescriptive Path.

Where COMcheck is not being used, energy credits shall be identified using the [Energy Credit Supplementary Checklist](#).

Prescriptive compliance path—continued		
<b>Prescriptive Building Envelope Option (Section 5.5)</b> (check one) <input type="checkbox"/> Nonresidential <input type="checkbox"/> Residential <input type="checkbox"/> Semiheated		
<b>Roof Insulation.</b> (5.5.3.1)	<input type="checkbox"/> Insulation entirely above deck <input type="checkbox"/> Metal building <input type="checkbox"/> Attic and other	
	PROPOSED <i>R-value or U-factor</i> _____ REQUIRED <i>R-value or U-factor</i> _____	<input type="checkbox"/> N/A
<b>Roof Curbs.</b> (5.5.3.1.2)	<input type="checkbox"/> Skylights and other roof curbs are insulated to not less than R-5.0	<input type="checkbox"/> N/A
<b>Above-Grade Wall Insulation.</b> (5.5.3.2)	<input type="checkbox"/> Mass <input type="checkbox"/> Metal building <input type="checkbox"/> Steel-framed <input type="checkbox"/> Wood-framed and other	
	PROPOSED <i>R-value or U-factor</i> _____ REQUIRED <i>R-value or U-factor</i> _____	<input type="checkbox"/> N/A
<b>Below-Grade Wall Insulation.</b> (5.5.3.3)	PROPOSED <i>R-value or C-factor</i> _____ REQUIRED <i>R-value or C-factor</i> _____	<input type="checkbox"/> N/A
<b>Floor Insulation.</b> (5.5.3.4)	<input type="checkbox"/> Mass <input type="checkbox"/> Steel joists <input type="checkbox"/> Wood-framed and other	
	PROPOSED <i>R-value or U-factor</i> _____ REQUIRED <i>R-value or U-factor</i> _____	<input type="checkbox"/> N/A
<b>Slab-on-Grade Floor Insulation.</b> (5.5.3.5)	PROPOSED <i>R-value or F-factor</i> _____ REQUIRED <i>R-value or U-factor</i> _____	<input type="checkbox"/> N/A
<b>Opaque Doors.</b> (5.5.3.6)	PROPOSED <i>U-factor</i> _____ REQUIRED <i>U-factor</i> _____	<input type="checkbox"/> N/A
<b>Fenestration Area.</b> (5.5.4.2)	<input type="checkbox"/> Does <b><i>not</i></b> exceed maximum allowed	<input type="checkbox"/> N/A
<b>Vertical Fenestration.</b> (5.5.4.2.1)	Area: _____ % of Wall <b><i>LIMIT 40%</i></b> PROPOSED <i>U-factor</i> _____ REQUIRED <i>U-factor</i> _____	
	PROPOSED SHGC _____ VT/SHGC _____ REQUIRED SHGC _____ VT/SHGC _____	<input type="checkbox"/> N/A
<b>Skylight Fenestration.</b> (5.5.4.2.2, 5.5.4.2.3)	Area: _____ % of Roof <b><i>LIMIT 3%</i></b> PROPOSED <i>U-factor</i> _____ REQUIRED <i>U-factor</i> _____	
	PROPOSED SHGC _____ REQUIRED SHGC _____	<input type="checkbox"/> N/A
<b>Fenestration Orientation.</b> (5.5.4.5)	Path 'a' <input type="checkbox"/> Path 'b' <input type="checkbox"/>	
<b>Linear Thermal Bridges and Point Thermal Bridges.</b> (5.5.5)	<input type="checkbox"/> Project complies with Section 5.5.5	
<b>Exceptions to Chapter 5 used:</b>		
<b>Location of information on plan set:</b>		
<b>Additional project compliance notes/information:</b>		