



Simplified Building Method—Envelope

2021 Oregon Energy Efficiency Specialty Code Compliance Checklist

This checklist may be used to demonstrate compliance with the Oregon Energy Efficiency Specialty Code (OEESC), which is based on ASHRAE Standard 90.1, for new buildings, alterations, and additions. To use this checklist, the building envelope shall comply with ASHRAE 90.1 Section 5.4, mandatory provisions and Section 5.5, Prescriptive Building Envelope Compliance Path.

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

PART I – PROPERTY OWNER INFORMATION

Property owner name:	Phone number:	
Installation address:	Climate Zone: <input type="checkbox"/> 4C <input type="checkbox"/> 5B	
City:	State: Oregon	ZIP:
Installer: <input type="checkbox"/> Contractor <input type="checkbox"/> Owner (If owner, skip to Part III)	<input type="checkbox"/> Non-Residential <input type="checkbox"/> Residential	

PART II – CONTRACTOR INFORMATION

Contractor name:	Phone number:
Email address:	
BCD business license #:	Contractor's CCB#:

PART III – 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 5.4.3.1.1 for whole-building air leakage has been demonstrated and documentation has been 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 5.4.3.1.2.
- Loading dock weatherseals:** Cargo doors and loading dock doors comply with Section 5.4.3.2 for weathersealing.
- Vestibules and revolving doors:** Building entrances comply with Section 5.4.3.3 for vestibules and revolving doors.
- 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 5.8.3.

Prescriptive compliance path

To use this checklist, the building envelope must comply with the mandatory provisions in Section 5.4 and 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 and will note the Section and Exception numbers. Submittal of a COMcheck report showing the Proposed and Required U-factors is also acceptable for complying with the Prescriptive Path.

Prescriptive Building Envelope Option (Section 5.5)		
<ul style="list-style-type: none"> Project complies with the requirements in Table 5.5-_____: <input type="checkbox"/> Yes <input type="checkbox"/> N/A <i>(check one)</i> <input type="checkbox"/> Nonresidential <input type="checkbox"/> Residential <input type="checkbox"/> Semiheated Opaque Areas. (5.5.3) All <i>opaque</i> surfaces, except <i>doors</i>, comply with one of the following methods: <i>(check one)</i> <input type="checkbox"/> Minimum rated <i>R-value</i> <input type="checkbox"/> Maximum <i>U-factor</i>, <i>C-factor</i>, or <i>F-factor</i> 		
Roof Insulation. (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</i> or <i>U-factor</i> _____ REQUIRED <i>R-value</i> or <i>U-factor</i> _____	<input type="checkbox"/> N/A
Above-Grade Wall Insulation. (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</i> or <i>U-factor</i> _____ REQUIRED <i>R-value</i> or <i>U-factor</i> _____	<input type="checkbox"/> N/A
Below-Grade Wall Insulation. (5.5.3.3)	PROPOSED <i>R-value</i> or <i>C-factor</i> _____ REQUIRED <i>R-value</i> or <i>C-factor</i> _____	<input type="checkbox"/> N/A
Floor Insulation. (5.5.3.4)	<input type="checkbox"/> Mass <input type="checkbox"/> Steel joists <input type="checkbox"/> Wood-framed and other	
	PROPOSED <i>R-value</i> or <i>U-factor</i> _____ REQUIRED <i>R-value</i> or <i>U-factor</i> _____	<input type="checkbox"/> N/A
Slab-on-Grade Floor Insulation. (5.5.3.5)	PROPOSED <i>R-value</i> or <i>F-factor</i> _____ REQUIRED <i>R-value</i> or <i>U-factor</i> _____	<input type="checkbox"/> N/A
Opaque Doors. (5.5.3.6)	PROPOSED <i>U-factor</i> _____ REQUIRED <i>U-factor</i> _____	<input type="checkbox"/> N/A
Fenestration Area. (5.5.4.2)	<input type="checkbox"/> Does <i>not</i> exceed maximum allowed	<input type="checkbox"/> N/A
Vertical Fenestration. (5.5.4.2.1)	Area: _____ % of Wall LIMIT 40% PROPOSED <i>U-factor</i> _____ REQUIRED <i>U-factor</i> _____	
	PROPOSED SHGC _____ VT/SHGC _____ REQUIRED SHGC _____ VT/SHGC _____	<input type="checkbox"/> N/A
Skylight Fenestration. (5.5.4.2.2, 5.5.4.2.3)	Area: _____ % of Roof LIMIT 3% PROPOSED <i>U-factor</i> _____ REQUIRED <i>U-factor</i> _____	
	PROPOSED SHGC _____ REQUIRED SHGC _____	<input type="checkbox"/> N/A
Fenestration Orientation. (5.5.4.5)	Path 'a' <input type="checkbox"/> Path 'b' <input type="checkbox"/>	
Exceptions to Chapter 5 used:		
Location of information on plan set:		
Additional project compliance notes/important:		