



# 2018 WSEC – Washington State Energy Code

## Yakima County Building & Fire Safety Division – Yakima County Public Services

### International Energy Conservation Code of the State of Washington.

It is referred to herein as “this code”.

- ❖ Codes are updated every three years. Please contact the Building and Fire Safety Division to verify the correct code cycle. Email: [Building@co.yakima.wa.us](mailto:Building@co.yakima.wa.us) or Phone (509) 574-2300.
- ❖ Information contained herein is to aid customers relating to the Washington State Energy Code for **Residential** (Type R-3) structures located in Yakima County.
- ❖ This public assistance brochure is a segment of a code information and requirements.
- ❖ This handout is not intended to be a complete list of codes, requirements, or forms etc., and is subject to change without notice.
- ❖ Further information or forms can be obtained by contacting WSU offices or website as show below.

<http://www.energy.wsu.edu/BuildingEfficiency/EnergyCode.aspx>

#### 2018IRC - Sections R106 Construction Documents

##### R106.1 Submittal Documents.

Submittal documents consisting of *construction documents*, and other data shall be submitted in two or more sets with each application for a *permit*. The *construction documents* shall be prepared by a registered *design professional* where required by the statutes of the jurisdiction in which the project is to be constructed.

Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a registered *design professional*.

**Exception:** The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a registered *design professional* if it is found that the nature of the work applied for is such that reviewing of *construction documents* is not necessary to obtain compliance with this code.

##### R106.1.1 Information on construction documents.

*Construction documents* shall be drawn upon suitable material. Electronic media documents are permitted to be submitted where *approved* by the *building official*. *Construction documents* shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the *building official*.

Code experts provide support to those who use the residential sections of the Washington State Energy Code (WSEC). The codes go into effect every 3 years on July 1<sup>st</sup> of the following year of the specific code. Visit the State Building Code Council Website for updates.

Have questions about the residential code? Email [energycode@energy.wsu.edu](mailto:energycode@energy.wsu.edu) or call the WSEC Residential Code Hotline at (360)956-2042. Website: [WSU Energy Program Building Efficiency](#)

<p><b>We provide support regarding the residential code only.</b></p> <ul style="list-style-type: none"> <li>• <a href="#">2018 Washington State Energy Code – Residential</a></li> <li>• <a href="#">2018 Washington State Energy Code – Commercial</a></li> <li>• <a href="#">2018 Washington State Energy Code – Additional Resources</a></li> <li>• <a href="#">Compliance Publications &amp; Tools</a></li> </ul>	<p><b>These resources pertain to the residential section of 2018 WSEC</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Duct Testing Affidavit (New Construction)</a></li> <li>• <a href="#">Duct Testing Standard (RS-33)</a></li> <li>• <a href="#">Insulation Certificate</a></li> <li>• <a href="#">Air (Blower Door) Leakage Testing</a></li> <li>• <a href="#">WSEC (Compliance Certificate) 201 Certificate ½ Sheet (Avery 6573)</a></li> </ul>
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## Energy Code Worksheets

**Forms and works sheets for the WSEC codes are independent documents.**

1. **Prescriptive Method.** The prescriptive approach is the simplest method of WSEC code compliance. Meet all the minimum insulation levels required by Prescriptive requirement for the climate zone where the building is being constructed and choose additional credits and the project complies with the building envelope. The following Excel file provides a method for documenting compliance with the prescriptive standards.  
[Prescriptive Worksheet – All Climate Zones](#)
2. **Glazing Schedule.** Using the Prescriptive Method, all glazing must have an “area weighted average” U-Factor of .30. This means that some windows can have a higher U-Factor than .30 and some can have a lower U-Factor and .30 as long as the area weighted average is U-Factor .30 or lower. You may need to complete this form to document glazing compliance when applying for your building permit.  
[Glazing Schedule Worksheet](#)
3. **Heating Systems Sizing Calculator.** This calculator is a simpler version of previous worksheets and is for newly constructed buildings. The WSEC Heating System Sizing calculator assumes that your glazing products have an area weighted average of U.30. Use the dropdown boxes to choose insulation levels and enter the areas of each building component. The form has embedded instructions-hover your cursor over the red triangles to see them. Note that this calculator sizes heating systems only. It will not accurately size cooling systems.  
[Heating System Sizing Worksheet](#)

Component Performance Approach. Please contact WSU at [energycode@energy.wsu.edu](mailto:energycode@energy.wsu.edu) or (360)956-2042 for the current code cycle version of the CP Worksheet.