

MASON COUNTY
DEPARTMENT OF COMMUNITY DEVELOPMENT
Permit Assistance Center

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2009 Washington State Energy Code (WSEC)
Effective January 1, 2011.

Ventilation & Indoor Quality

Ventilation code provisions are now located in the 2009 International Residential Code (IRC), 2009 International Mechanical Code (IMC), & 2009 International Building Code

The following information will be required for the WSEC and ventilation code plan review:

1. Complete the Washington State Energy Code/ Ventilation code application located on the reverse side including information about the project, proposed compliance methods and proposed energy credit(s) listed in Table 9-1 attached to this form. All dwelling units are required to develop at least one credit from Table 9-1.
2. Include all windows, skylights, sliding glass doors, french doors and any other door with 50% glass or more on the window and door schedule. Use rough opening dimensions to calculate size. It is always helpful to list the u-factors of windows and doors, if known. If you do not know u-factors, the plan reviewer will assume that all window & door glazing will have the required u-factor of the compliance option. When using the area weighted average methods to comply with prescriptive-path include calculations with submittal documents.
3. Identify the location and fuel type of the heating system, water heater, location of exhaust fans (bathroom, laundry, kitchen, etc.) and R-factor of proposed insulation for walls, floors, ceilings, and slabs on the building plans. Indoor and outdoor lighting shall be high efficacy luminaires that comply with WSEC section 505. To verify compliance, provide lighting information on plans.
4. Questions? Call Mason County Community Development at (360) 427-9670 ext. 352. WSEC compliance information and code text is also available on the WSU-Energy Program website at:
<http://www.energy.wsu.edu/code/>

Prescriptive Requirements ^{0,1} for Group R Occupancy
Climate Zone 1, Table 6-1

Option	Glazing Area % of Floor ¹⁰	Glazing U-factor		Door U-Factor ⁹	Ceiling ²	Vaulted Ceiling ³	Wall ¹² Above Grade	Wall ⁴ int below grade	Wall ⁴ ext Below Grade	Floor ⁵	Slab ⁶ on Grade
		Vertical	Overhead ¹¹								
I	13%	.34	.50	.20	R-49 or R-38 adv	R-38	R-21 int ⁷	R-21 TB	R-10	R-30	R-10
II *	25%	.32	.50	.20	R-49 or R-38 adv	R-38	R-21 int ⁷	R-21 TB	R-10	R-30	R-10
III	Unlimited	.30	.50	.20	R-49 or R-38 adv	R-38	R-21 int ⁷	R-21 TB	R-10	R-30	R-10

*Reference Case/ Call (360)427-9670 ext. 352 for footnote information. Log & solid timber wall with a min. avg. thickness of 3.5" are exempt from the above grade wall insulation requirements.

Total window & door area _____ / (divided by) total sq. ft of heated area _____ = _____ %of glazing