

Alterations Worksheet - 2018 Washington State Energy Code

Project Address

Contact Information

The WSEC requirements for alterations are located in Chapter 5 of the code text. [View code online](#)

Alterations (remodels) which do not create new dwelling units do not need to obtain energy credits from Tables R406.2 and R406.3

Additions must meet the requirements for new construction, please visit our website for separate forms including Prescriptive Worksheet, Glazing Schedule, Heating System Sizing Worksheet, and Ventilation Summary. This includes conversions of unconditioned space to become conditioned space, such as finishing a garage into living space.

1. Will the wall cavities be exposed? Yes No

If yes: Exposed wall cavities must be insulated -
2 X 4 wall studs require **R-15** insulation
2 X 6 wall studs require **R-21** insulation

2. Will the roof/ceiling framing cavities or attic be exposed? Yes No

If yes: Exposed roof/ceiling assemblies must be insulated -
Vaulted ceilings: Insulate to the full depth of the framing member while allowing for the minimum 1" ventilated space
Flat ceilings: Install R-49 insulation or what the attic space can accommodate based on the roof pitch

3. Will the floor framing cavities be exposed? Yes No

If yes: Exposed floor cavities must be insulated to R-30

4. Are the windows and/or doors being replaced? Yes No
(includes both window or door and frames)

If yes: New windows and doors must have an area weighted average U-factor of ≤ 0.30

5. Will the heating or cooling system be replaced? Yes No

If yes: New equipment must meet current requirements and ducts need to be tested

6. Will the hot water system be altered? Yes No

If yes: New water heating equipment must meet current code requirements
Note, separate plumbing permit required from: [Public Health - Seattle & King County](#)

7. Are more than 50% of the light fixtures being changed? Yes No

If yes: 90% of all lamps must be high efficacy (LED or CFL)
Note, separate electrical permit required from: [WA Labor & Industries](#)