

Alterations Worksheet - 2018 Washington State Energy Code

Project Information

STEVEN PAIGE
3431 74TH AVENUE SOUTHEAST
MERCER ISLAND, WA 98040

Contact Information

PATRICIA BRENNAN ARCHITECTS
4515C BAGLEY AVENUE NORTH
SEATTLE, WA 98103

The WSEC requirements for alterations are located in Chapter 5 of the code text.

Alterations (remodels) do not need to obtain energy credits from Table R406.3

Additions must meet the requirements for new construction. This includes nonconditioned space being altered to become conditioned space.

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

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

Will the floor framing cavities be exposed? Yes No

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

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

Will the heating or cooling system be replaced? Yes No

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

Will the hot water system be altered? Yes No

If yes: New water heating equipment must meet current code requirements

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)