

Washington State Energy Code

Required Credits

Identify size of project

- Small dwelling units**
Less than 1500 s.f. and less than 300 s.f. glazing
Additions to existing and less than 750 s.f.
- Medium dwelling units**
All dwelling units not categorized as small or large
Including additions greater than 750 s.f.
- Large dwelling units**
Dwelling greater than 5,000 s.f.

Points

0.5

1.5

2.5

Credits

Identify credit proposed

- 1a Prescriptive method plus**
U.28 glazing; R38 floor; R10 slab
OR component analysis
- 1b Prescriptive method plus**
U.25 glazing; R21 plus R4 walls;
R38 floor; Basement walls R21 plus R5 ci;
OR component analysis
- 1c Prescriptive method plus**
U22 glazing; all roof and rafter R49 advanced
Wall R21 plus R12 ci
- 2a Air leakage and ventilation**
Code compliance; reduce to 4 air changes
per hour; whole house ventilation
- 2b Air leakage and ventilation**
Code compliance; reduce to 2 air changes
per hour; whole house ventilation
- 2c Air leakage and ventilation**
Code compliance; reduce to 1.5 air changes
per hour; whole house ventilation
- 3a High efficient HVAC**
Minimum 95% AFUE
- 3b High efficient HVAC**
Air source heat pump HSPF 8.5
- 3c High efficient HVAC**
Ground source heat pump COP 3.3
OR Water source heat pump COP 3.6
- 3d Ductless system**
- 4 High efficient HVAC distribution**
All inside conditioned space; all comustion eq.
direct vent or seal combustion
- 5a Efficient water heater**
Fuel fired with EF .062
OR Electric with EF .93 and 1.75 faucets
- 5b Efficient water heater**
Fuel fired with EF .82
OR Solar
OR Electric heat pump with EF 2.0
OR Ground source
- 6 Renewable electric energy**

0.5

1.0

2.0

0.5

1.0

1.5

0.5

1.0

2.0

1.0

1.0

0.5

1.5

0.5

Marine 4C 2012 Prescriptive Envelope Requirements

Walls	Ceiling	Floor	Basement Wall	Slab	Mass wall	Glazing	Skylight	SHGC
R21	R49	R30	R10/15/21 int	R10	21/21	U.30	U.50	n/a

HVAC Summary

Model	CFM	BTUs	Efficiency rating	HRV yes/no	OSA	OSA duct size

Notes

Exhaust and Whole House Ventilation

Location	CFM	Duct size	Timer	Whole house ventilation type

HVAC Duct Sizing

Trunk size	Bedroom branches	Living room	Utility	Bathrooms	Other

