

RESIDENTIAL ENERGY CODE DATA SHEET

This form must be included with all Building Permit Applications for residential construction to show compliance with the 1994 WA State Energy Code (WSEC) and 1993 WA State Ventilation and Indoor Air Quality (VIAQ) Code.

MECHANICAL SYSTEM AND BUILDING ENVELOPE

1. Heating

Check a or b to indicate type of heating system to be installed and show minimum/maximum heating capacity:

	Existing	New Min. Output Watts/BTUH	Max. Output Watts/BTUH	HVAC Equip. Efficiency
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- a. Electrical Resistance _____
- b. Other (Gas, Wood, Oil, Heat Pump) _____

Submit heat-loss calculations with the Building Permit Application for above checked heating equipment.

2. Method of Compliance

Check a, b, or c to indicate which approach will be used to comply with the Washington State Energy Code:

- a. **Chapter 6 - Prescriptive Path Approach** (*WSEC Section 602 and Tables 6-1, 6-2*):
! All requirements of Option # _____ must be followed (see reverse side for Options).
- b. **Chapter 5 - Component Performance Approach** (*WSEC Section 502.2.1*):
! UA calculations must be submitted with the Building Permit Application.
- c. **Chapter 4 - Systems Analysis Approach** (*WSEC Section 402*):
! Computer analysis comparing both heat-gain and heat-loss must be submitted with the Application.

3. Proposed Design Values

Show U-Values, and R-Values for the following categories and include corresponding details on the plans:

Glazing	Glazing % (Chpt.6 only)	Doors	Ceiling	Vaulted Ceiling	Wall Above Grade	Wall-Int Below Grade	Wall-Ext Below Grade	Floors	Slab on Grade
U=0.____	____%	U=0.____	R=____	R=____	R=____	R=____	R=____	R=____	R=____

Provide window-door schedule with sizes, U-Values, and area weighted U-Value calcs (if applicable) on the plans.

VENTILATION

4. Source-Specific Ventilation

Show CFM capacity (tested at 0.25 inches w.g.) of all source-specific exhaust fans to be installed:

Kitchen Fan	Bathroom Fan(s)	Laundry Room Fan	_____ Fan
_____ CFM	_____ CFM	_____ CFM	_____ CFM

5. Whole-House Ventilation

Check a, b, or c to indicate source of outside air:

- a. Through-wall, fresh air inlets and undercut doors (or interior wall louvers).
Location and size of inlets must be shown on the plans.
- b. Integrated Forced-Air System
Location of minimum 6" dia. fresh air duct and damper must be shown on the plans.
Note: Installation of a motorized damper which opens only when ventilation is called for and a whole-house exhaust fan which is interlocked with the ventilation control is highly recommended.
- c. Heat Recovery System
Design calculations/notes must be submitted with the Building Permit Application.

Check a or b to indicate type of exhaust fan to be installed:

- a. Whole-house exhaust fan (_____ CFM) located in _____ room.
- b. Combination source-specific/whole-house exhaust fan (_____ CFM) located in _____ room.

Provide a short description of the whole-house ventilation system on the plans.