

Town of Eagle

RESIDENTIAL ENERGY CODE WORKSHEET

Project Address: _____



v.1

New Building Alteration Addition

COMPLIANCE METHOD (Select **ONE**)

BUILDING TYPE

<input type="checkbox"/> Option #1 - Prescriptive Compliance	<input type="checkbox"/> Single Family Detached
<input type="checkbox"/> Option #2 - Building Performance Compliance	<input type="checkbox"/> Duplex
<input type="checkbox"/> Option #3 - Energy Rating Index (ERI)	<input type="checkbox"/> Townhome
<input type="checkbox"/> Option #4 - Total UA	<input type="checkbox"/> Condominium
<input type="checkbox"/> Option #5 - ENERGY STAR Certified Homes	<input type="checkbox"/> Multi-Family (3 stories or less)

ADDITIONAL EFFICIENCY PACKAGES (mandatory)

[Mixed fuel building has combustion equipment or plumbing for combustion equip]

Mixed Fuel Buildings - (Select **THREE** of 5 packages)

All Electric Buildings - (Select **ONE** of 5 packages)

Package I. - UA - Enhanced Envelope Performance [R408.2.1]

The total building thermal envelope UA, the sum of U-factor times assembly area, shall be less than or equal to 95 percent of the total UA resulting from multiplying the U-factors in Table 402.1.2 by the same assembly area as in the proposed building

Package II. - HVAC EQUIPMENT PERFORMANCE - Greater Efficiency (select **ONE**) [R408.2.2]

- 1. Greater than or equal to 95% AFUE natural gas furnace and 16 SEER air conditioner
- 2. Greater than or equal to 10 HSPF/16 SEER air source heat pump.
- 3. Greater than or equal to 3.5 COP ground source heat pump.

For multiple cooling systems and for multiple heating systems, all systems shall meet or exceed the minimum efficiency requirements set forth and shall be sized to meet 100 percent of the applicable design cooling/heating load

Package III. - SERVICE WATER HEATING - Energy Reduction (select **ONE**) [R408.2.3]

- 1. Greater than or equal to 82 EF fossil fuel service water heating system
- 2. Greater than or equal to 2.0 EF electric service water heating system
- 3. Greater than or equal to 0.4 solar fraction solar water heating system

Package IV. - DUCT DISTRIBUTION SYSTEM - Increased Efficiency (select **ONE**) [R408.2.4]

- 1. 100% of ducts and air handlers located entirely within the building thermal envelope
- 2. 100% of ductless thermal distribution system or hydronic thermal distribution system located completely inside the building thermal envelope
- 3. 100% of duct thermal distribution system located in conditioned space

Package V. - AIR SEALING AND VENTILATION - Improved Efficiency [R408.2.5]

Installation of an ERV or HRV along with a measured air leakage rate < or = to 3.0 ACH50

THERMAL ENVELOPE COMPLIANCE

THIRD PARTY TESTING

3rd Party - Agency Name _____

3rd Party - Individual Tester's Name _____

Certification / Credentials of Individual _____

Tester listed above will perform:

Blower Door Duct Testing Whole-dwelling mechanical ventilation

**Page No.
shall
reference
applicable
plan sheet**

Duct Testing (mandatory) will be performed:

Rough-In Stage Final Mechanical

SLAB EDGE [R402.2.9]

Page No.

R-_____

Heated Slab

Insulation Depth _____ ft.

CRAWL SPACE [R402.2.10]

Page No.

<input type="checkbox"/> Conditioned: (Vapor Barrier and NO outside air openings)	Wall R-Value _____	Cavity and/or Continuous	_____
<input type="checkbox"/> Unconditioned: (Outside air openings, no conditioned air)	Ceiling R-Value _____		

BASEMENT - Conditioned (unconditioned basements must be thermally isolated) [R402.2.8]

Page No.

Wall R-Value _____

Insulation required from top of basement wall down 10 feet or to floor

		EXTERIOR WALLS - Cavity / Continuous R402.2.5/402.2.6	Batt	Blown	Spray	Other	Page No.
Wall 1	R-_____	Method/Materials	_____	_____	_____	_____	_____
Wall 2	R-_____	Method/Materials	_____	_____	_____	_____	_____
Wall 3	R-_____	Method/Materials	_____	_____	_____	_____	_____
Wall 4	R-_____	Method/Materials	_____	_____	_____	_____	_____
Wall 5	R-_____	Method/Materials	_____	_____	_____	_____	_____

CEILING - Cavity / Continuous [R402.2.1/R402.2.2]

Page No.

Ceiling 1	R-_____	Method/Materials	Batt	Blown	Spray	Other	Page No.
Ceiling 2	R-_____	Method/Materials	_____	_____	_____	_____	_____
Ceiling 3	R-_____	Method/Materials	_____	_____	_____	_____	_____
Ceiling 4	R-_____	Method/Materials	_____	_____	_____	_____	_____
Ceiling 5	R-_____	Method/Materials	_____	_____	_____	_____	_____

Ventilated Attic

Eave Baffles Identified on Plans

Unventilated Attic

Attic Access Shown on Plans

FLOORS OVER UNCONDITIONED SPACE OR OUTSIDE AIR [R402.2.7]				Batt	Blown	Spray	Other	Page No.
Floor 1	R-_____	Method/Materials		_____	_____	_____	_____	_____
Floor 2	R-_____	Method/Materials		_____	_____	_____	_____	_____
HEATED GARAGES AND SUNROOMS [R402.2.12]				Batt	Blown	Spray	Other	Page No.
Wall	R-_____	Method/Materials		_____	_____	_____	_____	_____
Roof	R-_____	Method/Materials		_____	_____	_____	_____	_____
FENESTRATION [Table 402.1.2/402.1.3 or Performance or UA Trade-off]								Page No.
Window 1	U-_____		Door 1	U-_____				_____
Window 2	U-_____		Door 2	U-_____				_____
Window 3	U-_____		Door 3	U-_____				_____
Window 4	U-_____		Door 4	U-_____				_____
Window 5	U-_____		Door 5	U-_____				_____
Window 6	U-_____		Skylight	U-_____				_____
MISCELLANEOUS COMPLIANCE REQUIREMENTS								
HEATING AND COOLING EQUIPMENT								Page No.
<input type="checkbox"/> All heating and cooling equipment locations are shown on floor plan								_____
<input type="checkbox"/> Heating and cooling equipment located in a crawl space or attic space shall be accessible by an unobstructed path minimum 60 inches in height and 30 inches wide								_____
<input type="checkbox"/> Snow and ice melting system (for pavement) does not exceed 200 s.f. and shown on site plan								_____
ELECTRIC READY WIRING FOR COMBUSTION EQUIPMENT [R404.4]								Page No.
<input type="checkbox"/> Combustion equipment shall be installed in an approved space and provided with a junction box connected to electrical panel by continuous raceways and conductors compliant with items 1-4 listed below:								_____
1) Conductors sized for electric equipment that will serve the same load as the combustion equipment								
2) Electric panel has reserved space for a dual-pole circuit breaker								
3) Both the junction box and electric panel directory are labeled "For Future Equipment"								
4) Junction box location allows for electric equipment to be installed in same place as combustion equipment								
SOLAR READY PROVISIONS [Appendix RB]								Page No.
<input type="checkbox"/> Construction documents are submitted which indicates the solar-ready zone								_____
EV READINESS [Appendix RD]								Page No.
<input type="checkbox"/> Minimum one (1) EV parking space per dwelling unit shown on plans (Exception: multi-family)								_____
<input type="checkbox"/> Multi-family EV parking spaces are shown on plans in accordance with Appendix RD								_____