



## THE 2024 INTERNATIONAL CODES WILL GO INTO EFFECT JANUARY 1, 2026

### CODES: DID YOU KNOW?

- Building Codes are updated every three years to keep up with trends and needs.
- Building Codes are developed through the input of code officials, designers, builders, manufacturers, and other experts.
- Code changes are vetted by committees and voted on by industry experts worldwide before going into effect.
- The International Code Council is the organization that compiles and publishes the Codes.
- Cities like Denison formally adopt the Building Codes into law.

# SIGNIFICANT CHANGES IN THE 2024 INTERNATIONAL ENERGY CONSERVATION CODE

## COMMERCIAL PROVISIONS

### C101.3 – Intent (Modification)

- Provide minimum efficiency requirements for buildings that result in the maximum level of energy efficiency that is safe, technologically feasible, and life cycle cost effective, including optional requirements that lead to net zero energy buildings; each subsequent edition of the IECC is intended to provide increased energy savings

### C105.2 – Information on Construction Documents (Addition)

- Includes air sealing and thermal bridging details, areas designated for planned or future ESS, and the path of cables and raceways to planned or future on-site renewable energy systems

## Chapter 3 – No change in Climate Zone – still 3A

### Table C402.1.3 – R-Values and Fenestration Requirements (Modification)

- One option to meet opaque wood-framed wall R-value is R-0+R-12ci
- For metal-framed walls: R-0 +R-12.6ci, or R-13 + R-7.5ci, or R-20 + R-6.3ci

### Table C402.5 –Fenestration (Modification)

- U-Factor is 0.38, SHGC still 0.25 fixed/0.23 operable

### C402.6.1.1 –Air Barrier (Modification)

- More detail required for the design of air barrier components

### C402.7 – Thermal Bridges in Above-Grade Walls (Addition)

- New requirements for design and construction addressing mitigating the effects of thermal bridging

### Tables C403.3.2 – Air Conditioning Equipment Efficiency Requirements (Modification)

- New standards for efficiency and testing for all kinds of heating and cooling units

#### **C403.7.2 – Parking Garage Ventilation (Modification)**

- Ventilation requirements revised, including recognizing garages divided into multiple sections

#### **C403.8.6.2 – Intermittent Exhaust Control for Bathrooms (Addition)**

- Exhaust fans serving bathrooms and toilet rooms must have a shutoff based on an occupant sensor, timer, or humidity or contaminant sensor

#### **C404.4 – Service Water Heating System Piping Insulation (Modification)**

- Section has been rewritten

#### **C405 – Lighting Power Allowances (Modification)**

- Many of the numbers have been reduced

#### **C405.2.10 – NCTCOG Amendment: Sleeping Unit and Dwelling Unit Lighting and Switched Receptacle Controls**

- This section is amended to be deleted in its entirety

### **RESIDENTIAL PROVISIONS**

#### **R101.3 – Intent (Modification)**

- Provide minimum efficiency requirements for buildings that result in the maximum level of energy efficiency that is safe, technologically feasible, and life cycle cost effective, including optional requirements that lead to net zero energy buildings; each subsequent edition of the IECC is intended to provide increased energy savings

#### **R105.2.2 – NCTCOG Amendment: Solar Ready System**

- This section is amended to be deleted in its entirety

#### **Chapter 3 – No change in Climate Zone – still 3A**

#### **Table R402.1.3 –R-Values and Fenestration Requirements (Modification)**

- One option to meet opaque wood-framed wall R-value is R-0+R-12ci
- For metal-framed walls: R-0 +R-12.6ci, or R-13 + R-7.5ci, or R-20 + R-6.3ci

#### **Table R402.1.2 –Fenestration (Modification)**

- U-Factor is 0.30, SHGC still 0.25

#### **R402.5.1.3 –Maximum Air Leakage Rate (Modification)**

- Max. rate 3 ach

**R403.3.1 –Duct System Design (Addition)**

- Duct systems are to be designed and sized in accordance with ANSI/ACCA Manual D

**R403.6.5 –Intermittent Exhaust Control Options for Bathrooms and Toilet Rooms (Addition)**

- Bathroom exhaust fans for intermittent use must be controlled by one of the following: timer control, occupant sensor control, humidity control or contaminant control

**R403.9.1 – Heating Outside a Building (Addition)**

- Systems to provide heat outside a building must be radiant heat

**R403.14 – Gas Fireplaces (Addition)**

- Gas fireplaces cannot have a continuous pilot and must comply with a fireplace efficiency (FE) rating

**Table R406.5 – NCTCOG Amendment: Maximum Energy Rating Index (ERI)**

CLIMATE ZONE	ENERGY RATING INDEX NOT INCLUDING OPP	ENERGY RATING INDEX WITH OPP
3	50 57	33

<sup>3</sup> The table is effective from September 1, 2025 to August 31, 2028.

**TABLE R406.5 (N1106.5) <sup>4</sup>  
MAXIMUM ENERGY RATING INDEX**

CLIMATE ZONE	ENERGY RATING INDEX NOT INCLUDING OPP	ENERGY RATING INDEX WITH OPP
3	50 55	33

<sup>4</sup> This table is effective on or after September 1, 2028.