

**RESOLUTION NO. 561-14**

**A RESOLUTION RECOGNIZING THE CURRENT BUILDING CODES IN EFFECT IN ELMORE COUNTY AS: THE 2012 INTERNATIONAL BUILDING CODE, THE 2012 VERSION OF THE INTERNATIONAL RESIDENTIAL CODE, APPENDICES A, B, C AND D, MECHANICAL PARTS V AND VI, AND THE 2012 VERSION THE INTERNATIONAL ENERGY CONSERVATION CODE; PROVIDING EXCEPTIONS AND AMENDMENTS THERETO.**

**WHEREAS**, Title 39, Chapter 41 of Idaho Code (“Idaho Building Code Act”) provides authority to Elmore County to adopt and enforce building codes.

**WHEREAS**, Idaho Building Code Act provides for adoption of subsequent versions of the building codes as adopted and amended by the Idaho Building Code Board through the negotiated rulemaking process.

**WHEREAS**, the Idaho Building Code Board updated the building codes pursuant to the Idaho Building Code Act on March 20, 2014, which changes shall be effective January 1, 2015.

**WHEREAS**, Elmore County has adopted the Elmore County Zoning and Development Ordinance on March 21, 2012 as Ordinance 2012-01; which ordinance was subsequently amended on September, 19, 2012, as Ordinance 2012-03 and July 23, 2014, as Ordinance 2014-01 (collectively, the “Zoning Ordinance”).

**WHEREAS**, under Section 6-40-1 of the Zoning Ordinance, the building codes in effect for Elmore County shall be automatically updated upon the adoption of updated versions of the building codes by the State of Idaho.

**WHEREAS**, under Section 6-40-1 of the Zoning Ordinance the Board may, by resolution, confirm the building codes in effect in Elmore County.

**WHEREAS**, the Board desires to confirm the building codes in effect in Elmore County as of January 1, 2015.

**NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE ELMORE COUNTY BOARD OF COMMISSIONERS (“BOARD”):**

**SECTION 1. ADOPTION OF CURRENT BUILDING CODES:** The Board desires to confirm by this Resolution the building codes in effect as of the Effective Date of this Resolution in Elmore County as set forth in the attached Exhibit A, which exhibit is made a part hereof.

**SECTION 2. EFFECTIVE DATE.** This Resolution shall take effect and be in force on January 1, 2015.

Dated this 8<sup>th</sup> day of December, 2014.

**ELMORE COUNTY COMMISSIONERS**  
**/S/ ALBERT HOFER, Chairman**  
**/S/ FRANKLIN L. CORBUS, Commissioner**  
**/S/ WESLEY R. WOOTAN, Commissioner**  
**ATTEST: /S/ BARBARA STEELE, Clerk**

## Exhibit A

As of January 1, 2015 the following building codes recognized by Elmore County:

- **The 2012 Version of the International Building Code**
- **The 2012 Version of the International Residential Code, Appendices A,B,C and D, Mechanical Parts V and VI**
- **The 2012 Version of the International Energy Conservation Code**

As of January 1, 2015 the following amendments shall be applicable to the building codes:

### **A. 2012 International Building Code:**

1. Delete Table 2902.1 Footnote F and replace with the following:

f. Drinking fountains are not required for an occupant load of thirty (30) or fewer.

2. Delete Table 2902.1 Footnote G and replace with the following:

g. For business occupancies, excluding restaurants, and mercantile occupancies with an occupant load of thirty (30) or fewer, service sinks shall not be required.

3. Delete **section 305.2.3** and replace with the following:

**Twelve (12) of fewer children in a dwelling unit.** A facility such as the above within a dwelling unit and having twelve (12) or fewer children receiving such day care shall be classified as a group R-3 occupancy or shall comply with the International Residential Code.

4. Delete **Section 308.6.4** and replace with the following:

**Persons Receiving Care in a Dwelling Unit.** A facility such as the above within a dwelling unit and having twelve (12) or fewer children receiving day care or having five (5) or fewer person receiving custodial care shall be classified as a Group R-3 occupancy or shall comply with the International Residential Code.

5. Delete **Section 310.5** and replace with the following:

**Residential Group R-3.** Residential occupancies where the occupants are primarily permanent in nature and not classified as Group R-1, R-2, R-4, E or I, including:

- i. Buildings that do not contain more than two (2) dwelling units;
- ii. Boarding houses (nontransient) with sixteen (16) or fewer occupants;
- iii. Boarding houses (transient) with ten (10) or fewer occupants;
- iv. Care facilities that provide accommodations for five (5) or fewer persons receiving care;
- v. Congregate living facilities (nontransient) with sixteen (16) or fewer occupants;
- vi. Congregate living facilities (transient) with ten (10) or fewer occupants;
- vii. Dwelling units providing day care for twelve (12) or fewer children.

6. Delete **Section 310.5.1** and replace with the following:

**Care Facilities within a Dwelling Unit.** Care facilities for twelve (12) or fewer children receiving day care or five (5) or fewer persons receiving care that are within a single-family dwelling are permitted to comply with the International Residential Code.

## **B. 2012 International Residential Code, Appendices A, B, C, and D Mechanical Parts V and VI**

1. Delete exception No. 1 contained under IRC Section **R101.2-Scope**.
2. Delete exception No. 2 contained under IRC Section **R101.2- Scope**, and replace with the following exception:

Owner-occupied lodging houses with five or fewer guestrooms shall be permitted to be constructed in accordance with the International Residential Code for One- and Two-family Dwellings.

3. Add the following item No. 11 at the end of the "Building" subsection of IRC Section **R105.2- Work exempt from permit**:

11. Flag poles

4. Delete IRC Section **R303.4**
5. Delete IRC Section **R501.3** and its exceptions
6. Delete IRC Section **R602.10** and replace with the following:

**Wall Bracing.** Buildings shall be braced in accordance with this section or, when applicable section R602.12, or the most current edition of APA System Report SR-102 as an alternate method. Where a building, or portion thereof, does not comply with one (1) or more of the bracing requirements in this section, those portions shall be designed and constructed in accordance with Section R301.1.

7. **Chapter 11 [RE] Energy Efficiency-** The following sections and tables of chapter 11 shall be amended in accordance with the requirements contained below in Subsection 004.04 of these rules (see IECC amendments for actual amended language) which correspond to the appropriate section:

- A. **Table N1102.1.1 (Table R402.1.1)** - Insulation and Fenestration Requirements by Component;
- B. **Table N1102.1.3 (Table R402.1.3)** - Equivalent U-Factors;
- C. **Table N1102.2.2.6 (Table R402.2.6)** - Steel Frame Ceiling, Wall and Floor Insulation (R-Value);
- D. **Section N1102.4.1 (R402.4.1)** - Building Thermal Envelope;
- E. **Section N1102.4.1.1 (R402.4.1.1)** - Insulation;
- F. **Table N1102.4.1.1 (Table R402.4.1.1)** – Air Barrier and Insulation Installation;
- G. **Section N1102.4.1.2 (Table R402.4.1.2)** – Testing Option;
- H. Add **Section N1102.4.1.3 (R402.4.1.3)** – Visual Inspection Option;
- I. Add **Section N1102.6 (R402.6)** – Residential Log Home Thermal Envelope;
- J. Add **Table N1102.6 (Table R402.6)** – Log Home Prescriptive Thermal Envelope Requirements by Component; and
- K. **Section N1104.1 (R404.1)** – Lighting Equipment.

8. **Section M1502.4.1 Material and Size.** Add the following exception:

Dryer duct may be constructed of 0.013 (30 gauge) or equivalent of prefabricated 0.016 (28 gauge) ducts and fittings are not available.

9. Delete **Section M1502.4.2 Duct Installation** and replace with the following:

Exhaust ducts shall be supported at four (4) foot (1219 mm) intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Ducts shall not be joined with screws or similar fasteners that protrude into the inside of the duct.

10. **Section M1507.3.1 System Design.** Add the following to the end of the section:

Outdoor air shall be ducted predominantly horizontal to avoid chimney effect. Outdoor air ducts will contain an accessible back draft damper and be designed to have an open cross section of twenty (20) square inches per one thousand (1,000) square feet of conditioned space.

**11. Table M1601.1.1 (2) Gauges of Metal Ducts and Plenums Used for Heating or Cooling.** Add the following exception:

Round duct, enclosed rectangular ducts and fittings less than fourteen (14) inches may be constructed of 0.013 (30 gauge) or equivalent if prefabricated 0.016 (28 gauge) ducts and fittings are not available.

**C. 2012 International Energy Conservation Code**

1. Delete the values contained in Table R402.1.1 (Table N1102.1.1) for climate zone “5 and Marine 4” and climate zone “6” and replace with the following:

**Table R402.1.1  
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT**

Climate Zone	Fenestration U-Factor	Sky-light U-Factor	Glazed Fenestration SHGC	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value	Crawl-Space Wall R-Value
5 and Marine 4	0.35	0.60	NR	38	20 or 13+5h	13/17	30g	10/13	10,2ft	10/13
6	0.35	0.60	NR	49	20 or 13+5h	15/19	30g	15/19	10,4ft	10/13

2. Delete the values contained in Table R402.1.3 (Table N1102.1.3) for climate zone “5 and Marine 4” and climate zone “6” and replace with the following:

**Table R402.1.3  
EQUIVALENT U-FACTORS**

Climate Zone	Fenestration U-Factor	Skylight U-Factor	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Crawl-Space Wall R-Value
5 and Marine 4	0.35	0.60	0.030	0.057	0.082	0.033	0.059	0.065
6	0.35	0.60	0.026	0.057	0.060	0.033	0.059	0.065

3. Delete Table R402.2.6 (Table N1102.2.6) and Replace with the following:

**Table R402.2.6  
STEEL-FRAME CEILING, WALL AND FLOOR INSULATION (R-VALUE)**

WOOD FRAME R-VALUE REQUIREMENT	COLD FORMED STEEL EQUIVALENT R-VALUEa
<b>Steel Truss Ceilings</b>	
R-30	R-38 or R-30+3 or R-26+5
R-38	R-49 or R38+3
R-49	R-38+5
<b>Steel Joist Ceilings</b>	

R-30	R-38 in 2x4 or 2x6 or 2x8 R-49 in any framing
R-38	R-49 in 2x4 or 2x6 or 2x8 or 2x10
<b>Steel Framed Wall</b>	
R-13	R-13+5 or R-15+4 or R-21+3 or R-0+10
R-19	R-13+9 or R-19+8 or R-25+8
R-21	R-13+10 or R-19+9 or R-25+8
<b>Steel Joist Floor</b>	
R-13	R-19 in 2x6 R-19+6 in 2x8 or 2x10
R-19	R-19+6 in 2x6 R-19+12 in 2x8 or 2x10
a. Cavity insulation R-value is listed first, followed by continuous insulation R-value b. Insulation exceeding the height if the framing shall cover the framing	

4. Delete section 402.4.1 (N1102.4.1) and replace with the following:

**Building Thermal Envelope.** The building thermal envelope shall comply with sections R402.1.1 and either section R402.4.1.2 or R402.4.1.3. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

5. Delete section 402.4.1.1 (N1102.4.1.1) and replace with the following:

**Installation.** The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction.

6. Delete the criteria requirements for the "Fireplace" component of Table **R402.4.1.1 (Table N1102.4.1.1)**- Air Barrier and Insulation Installation, and replace with the following:

An air barrier shall be installed on fireplace walls.

7. Delete section **402.4.1.2 (N1102.4.1.2)** and replace with the following:

Testing option, Building envelope tightness and insulation installation shall be considered acceptable when tested air leakage is less than seven (7) air changes per hour (ACH) when tested with a blower door at a pressure of 33.5 psf (50Pa). Testing shall occur after rough in and after installation of penetrations of the building envelope, including penetrations for utilities, plumbing, electrical, ventilation and combustion appliances. During test:

Exterior windows and doors, fireplace and stove doors shall be closed but not sealed; dampers shall be closed, but not sealed, including exhaust, intake, makeup air, backdraft and flue dampeners; Interior doors shall be open; exterior openings for continuous ventilation systems and heat recovery ventilators shall be closed and sealed; heating and cooling systems shall be turned off; HVAC ducts shall not be sealed; and supply and return registers shall not be sealed.

8. Add the following as section **402.4.1.3 (N1102.4.1.3)**:

Visual inspection option, Building envelope tightness and insulation installation shall be considered acceptable when the items listed in **Table 402.4.1.1**, applicable to the method of construction, are field verified. Where required by code official and approved party independent from the installer of the insulation shall inspect the air barrier and insulation.

9. Add the following section:

**R402.6 (N1102.6) Residential Log Home Thermal Envelope.** Residential log home construction shall comply with sections 401 (General), 402.4 (Air Leakage), 402.4 (Maximum Fenestration U-Factor and SHGC), 403.1 (Controls), 403.2.2 (Sealing), 403.2.3 (Building Cavities), sections 403.3 through 403.9 (referred to as the mandatory provisions), section 404 (Electrical Power and Lighting Systems), and either Subparagraph 004.04.b.i,ii, or iii. as follows:

- i. Sections 402.2 through 402.3, 403.2.1, 404.1 and table 402.6;
- ii. Section 405 simulated Performance Alternative (Performance); or
- iii. REScheck (U.S. Department of Energy Building Codes Program)

10. Add **Table R402.6 (Table N1102.6) Log Home Prescriptive Thermal Envelope Requirements By Component** to be used only in accordance with Subparagraph 004.04.b.i above to appear as follows:

**Table R402.6  
LOG HOME PRESCRIPTIVE THERMAL ENVELOPE REQUIREMENTS BY COMPONENT**

CLIMATE ZONE	FENESTRATION U-FACTOR <sup>a</sup>	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	MIN. AVERAGE LOG SIZE In inches	FLOOR R-VALUE	BASEMENT WALL R-VALUE <sup>d</sup>	SLAB R-VALUE & DEPTH <sup>b</sup>	CRAWL SPACE WALL R-VALUE <sup>d</sup>
5,6-High Efficiency Equipment Path c	0.32	0.60	NR	49	5	30	15/19	10, 4ft	10/13
5	0.32	0.60	NR	49	8	30	10/13	10, 2ft	10/13
6	0.30	0.60	NR	49	8	30	15/19	10, 4ft	10/13

- a. The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration
- b. R-5 shall be added to the required slab edge R-values for heated slabs.
- c. 90% AFUE natural gas or propane, 84% AFUE oil, or 15 SEER heat pump heating equipment (zonal electric resistance heating equipment such as electric base board electric resistance heating equipment as the sole source for heating is considered compliant with the high efficiency equipment path).
- d. "15/19" means R-15 continuous insulated sheathing on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. "15/19" shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulated sheathing on the interior or exterior of the home. "10/13" means R20 continuous insulated sheathing of the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall.

11. Delete **Section R404.1 (N1104.1)** and replace with the following:

**Lighting Equipment (Mandatory).** A minimum of fifty percent (50%) of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or a minimum of fifty percent (50%) of the permanently installed lighting fixtures shall contain only high efficacy lamps.